Base Load Power Hub (BLPH)

PAINTING APPLICATION REPORTS
STRUCTURE & PIPING
Document Number: 123A90-PML-QC-DB-00011

Document Class: 3

00	08/04/2026	Issue for Information (IFI)	M.Sacchi	F.Zanellati	R.Degli Esposti
Rev.	Date	Description	Prepared	Reviewed	Approved

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Revision / Change Log

Rev.	Description
0	Issue for Information (IFI)

Table of contents

1 INTRODUCTION AND INSTRUCTIONS FOR USE 4

2 **PAINTING APPLICATION** REPORTS 5

1 INTRODUCTION AND INSTRUCTIONS FOR USE

This dossier gathers all reports related to the application of surface treatments performed on both the structural components and piping systems of the BLPH project.

All reports are provided in searchable PDF format, allowing efficient consultation and retrieval of specific information.

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

2 PAINTING APPLICATION REPORTS

Piping

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 001	Pages: 1 of 4
Item description: See List Item nr 1144	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 06/07/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 1144

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC- SP 1		
Abrasive type & mesh: Metallic Grit GH 50			Anchor Profile recorded [µm]: Medium G according to ISO 8503		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 14	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	30/06/24 8.00	18	63	10.87	18
	30/06/2024 12.00	22	61	14.14	20

Coating System Nº 1	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	BARRIER 80S		PENGUARD		HARDTOP XP				
Batch number Part A:	3432859-1-*-1:2		3431380-1-*-1:2		3533700-1				
Expiration date:	12/03/2026		22/02/2026		05/06/2028				
Batch number Part B:	3437130-1-*-1:2		3437147-1-*-1:2		3520081-1				
Expiration date:	10/04/2026		27/02/2026		20/05/2028				
Color:	GREY		OFF WHITE		RAL9002				
Application method:	AIRLESS		AIRLESS		AIRLESS				
Application date:	30/06/24		03/07/24		05/07/24				
Start / Stop time:	12.00	18.00	8.00	12.00	8.00	12.00			
Air temperature:	22	22	19	22	19	22			NOTES
Surface temperature:	20	21	19	21	20	21			
Dew point:	14.14	15.13	12.05	13.63	11.32	13.63			
Relative humidity:	61	65	64	59	61	59			
Wet film thickness:	100		260		100				
DFT Min/Max/Av [µm]:	63/85/75		257/294/260		307/394/315				
Inspection date & time:	03/07/24 9.00		05/07/24 9.00		06/07/24 8.00				

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing: N.A.
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35744	

EMANUELE ZAFFI Gruppo ISPAC CERTIFICATE n° 476 ISO 9001

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 001	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

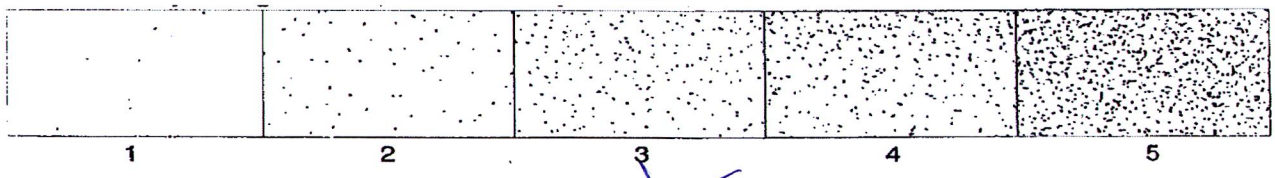
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

EMANUELE ZAFFI Gruppo ISIQ FROSIO NS 478 CERTIFICATE n° 8011

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (19)

Lista No. 1144
Del: 06/07/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	131_1_A	4"-DR-267-01CS-N	123A90-FDL-PP-DI-00131-01		CS	148,10	Montato 1 - 9002	
2)	131_1_B	4"-DR-267-01CS-N	123A90-FDL-PP-DI-00131-01		CS	21,80	Montato 1 - 9002	
3)	132_1_A	4"-DR-268-01CS-N	123A90-FDL-PP-DI-00132-01		CS	152,20	Montato 1 - 9002	
4)	137_1_A	3"-DR-273-01CS-N	123A90-FDL-PP-DI-00137-01		CS	93,30	Montato 1 - 9002	
5)	137_1_B	3"-DR-273-01CS-N	123A90-FDL-PP-DI-00137-01		CS	78,40	Montato 1 - 9002	
6)	138_1_A	3"-DR-274-01CS-N	123A90-FDL-PP-DI-00138-01		CS	32,00	Montato 1 - 9002	
7)	139_1_A	3"-DR-275-01CS-N	123A90-FDL-PP-DI-00139-01		CS	11,20	Montato 1 - 9002	
8)	139_1_B	3"-DR-275-01CS-N	123A90-FDL-PP-DI-00139-01		CS	15,00	Montato 1 - 9002	
9)	140_1_A	3"-DR-276-01CS-N	123A90-FDL-PP-DI-00140-01		CS	32,50	Montato 1 - Ral 9002	
10)	141_1_A	3"-DR-277-01CS-N	123A90-FDL-PP-DI-00141-01		CS	11,70	Montato 1 - 9002	
11)	141_1_B	3"-DR-277-01CS-N	123A90-FDL-PP-DI-00141-01		CS	15,00	Montato 1 - 9002	
12)	143_1_A	3"-DR-279-01CS-N	123A90-FDL-PP-DI-00143-01		CS	47,90	Montato 1 - 9002	
13)	143_1_B	3"-DR-279-01CS-N	123A90-FDL-PP-DI-00143-01		CS	20,40	Montato 1 - 9002	



ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (19)

Lista No. 1144
Del: 06/07/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	144_1_A	3"-DR-280-01CS-N	123A90-FDL-PP-DI-00144-01		CS	32,10	Montato 1-9002	
15)	145_1_A	3"-DR-281-01CS-N	123A90-FDL-PP-DI-00145-01		CS	18,90	Montato 1-9002	
16)	146_1_A	3"-DR-282-01CS-N	123A90-FDL-PP-DI-00146-01		CS	28,00	Montato 1-9002	
17)	147_1_A	3"-DR-283-01CS-N	123A90-FDL-PP-DI-00147-01		CS	38,40	Montato 1-9002	
18)	148_1_A	3"-DR-284-01CS-N	123A90-FDL-PP-DI-00148-01		CS	30,30	Montato 1-9002	
19)	149_1_A	3"-DR-285-01CS-N	123A90-FDL-PP-DI-00149-01		CS	17,70	Montato 1-9002	



TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 002	Pages: 1 of 4
Item description: See List Item nr 1225	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 17/07/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 1225

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC- SP 1		
Abrasive type & mesh: Metallic Grit GH 50			Anchor Profile recorded [µm]: Medium G according to ISO 8503		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	11/07/2024 8.00	21	64	15.94	20
	11/07/2024 12.00	20	60	12.01	20

Coating System Nº 1	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	BARRIER 80S		PENGUARD		HARDTOP XP				
Batch number Part A:	3432859-1-*-1:2		3431380-1-*-1:2		3533700-1				
Expiration date:	12/03/2026		22/02/2026		05/06/2028				
Batch number Part B:	3437130-1-*-1:2		3437147-1-*-1:2		3520081-1				
Expiration date:	10/04/2026		27/02/2026		20/05/2028				
Color:	GREY		OFF WHITE		RAL9002				
Application method:	AIRLESS		AIRLESS		AIRLESS				
Application date:	11/07/24		13/07/24		14/07/24				
Start / Stop time:	12.00	17.00	9.00	12.00	9.00	12.00			
Air temperature:	20	19	18	19	19	20			NOTES
Surface temperature:	20	19	18	18	19	20			
Dew point:	12.01	10.31	8.85	11.32	10.57	11.57			
Relative humidity:	60	57	55	61	58	62			
Wet film thickness:	100		260		100				
DFT Min/Max/Av [µm]:	69/89/74		261/315/289		315/420/317				
Inspection date & time:	13/07/24 9.00		14/07/24 9.00		17/07/24 8.00				

Holiday testing: Performed ☐ Not Performed ☒
Result: OK ☐ Not OK ☐

Adhesion testing: N.A.

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE# 35744	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 002	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

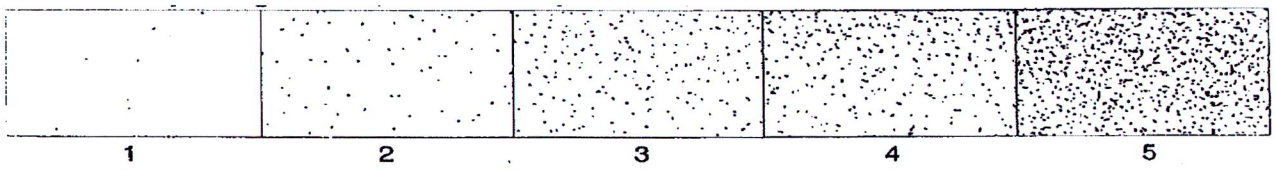
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign			

EMANUELE ZAFFI ENGINEER FROSIONE CORROSIONE NIS 476 CERTIFICATE n° 8011

NACE # 35746

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 1225
Del: 17/07/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (14)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	128_1_A	12"-DR-264-01CS-N	123A90-FDL-PP-DI-00128-01		CS	443,40	Montato	1 - 9002
2)	129_1_A	10"-DR-265-01CS-N	123A90-FDL-PP-DI-00129-01		CS	80,10	Montato	1 - 9002
3)	129_1_B	10"-DR-265-01CS-N	123A90-FDL-PP-DI-00129-01		CS	503,70	Montato	1 - 9002
4)	129_1_C	10"-DR-265-01CS-N	123A90-FDL-PP-DI-00129-01		CS	49,70	Montato	1 - 9002
5)	129_2_D	10"-DR-265-01CS-N	123A90-FDL-PP-DI-00129-02		CS	204,10	Montato	1 - 9002
6)	130_1_A	8"-DR-266-01CS-N	123A90-FDL-PP-DI-00130-01		CS	386,10	Montato	1 - 9002
7)	130_1_B	8"-DR-266-01CS-N	123A90-FDL-PP-DI-00130-01		CS	67,90	Montato	1 - 9002
8)	130_1_C	8"-DR-266-01CS-N	123A90-FDL-PP-DI-00130-01		CS	90,60	Montato	1 - 9002
9)	133_1_A	3"-DR-269-01CS-N	123A90-FDL-PP-DI-00133-01		CS	14,50	Montato	1 - 9002
10)	134_1_A	3"-DR-270-01CS-N	123A90-FDL-PP-DI-00134-01		CS	15,10	Montato	1 - 9002
11)	135_1_A	3"-DR-271-01CS-N	123A90-FDL-PP-DI-00135-01		CS	14,50	Montato	1 - 9002
12)	136_1_A	3"-DR-272-01CS-N	123A90-FDL-PP-DI-00136-01		CS	15,10	Montato	1 - 9002
13)	142_1_A	3"-DR-278-01CS-N	123A90-FDL-PP-DI-00142-01		CS	33,00	Montato	1 - 9002

EMANUELE ZAFFI Ispettore Tecnico CERTIFICATO n° 8011 FIRMATO N° 470

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (14)

Lista No. 1225
Del: 17/07/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg]	Transfer Status		Eng.Notes
14)	**128_1_B**	**12"-DR-264-01CS-N**	**123A90-FDL-PP-DI-00128-01**		**HU-C**	**355,50**	Ready for Erection	1- 9002	**HOOK-UP 007**

EMANUELE ZAFFI Gruppo ISPAC CERTIFICATE n° 8011 NS 176

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 003	Pages: 1 of 6
Item description: See List Item nr 3489	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 01/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3489

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC- SP 1		
Abrasive type & mesh: Metallic Grit GH 50			Anchor Profile recorded [µm]: Medium G according to ISO 8503		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	24/09/2024 8.00	16	62	8.74	16
	24/09/2024 12.00	16	65	9.44	16

Coating System Nº 1	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	BARRIER 80S		PENGUARD		HARDTOP XP				
Batch number Part A:	3432859-1-*-1:2		3431380-1-*-1:2		3606677-1				
Expiration date:	12/03/2026		22/02/2026		12/08/2028				
Batch number Part B:	3437130-1-*-1:2		3437147-1-*-1:2		3520081-1				
Expiration date:	10/04/2026		27/02/2026		20/05/2028				
Color:	GREY		OFF WHITE		RAL9002				
Application method:	AIRLESS		AIRLESS		AIRLESS				
Application date:	24/09/2024		25/09/2024		27/09/24				
Start / Stop time:	12.00	17.00	9.00	12.00	8.00	12.00			
Air temperature:	16	17	17	17	17	17			NOTES
Surface temperature:	16	16	16	17	16	16			
Dew point:	9.44	9.68	9.44	10.16	9.68	9.44			
Relative humidity:	65	62	61	64	62	61			
Wet film thickness:	100		260		100				
DFT Min/Max/Av [µm]:	64/91/79		254/294/273		312/394/374				
Inspection date & time:	25/09/24 9.00		27/09/2024 9.00		01/10/2024 8.00				

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing: N.A.
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

TREZETA SERVICE Gruppo Isacci Emanuele Zaffi ANNULLATO PROTOCOLLO UNI EN ISO 9001 CERTIFICATE n° 8011 IQNet IS 476

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 003	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

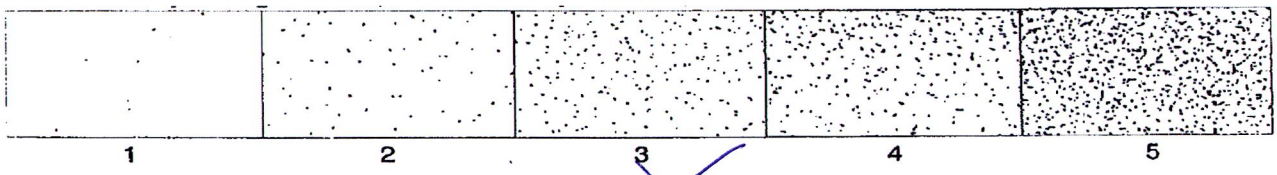
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA *Michele Sacchi* Quality Control Dept.	
Sign			

EMANUELE ZAFFI Gruppo TREZETA S.r.l. CERTIFICATE n° 8011

NACE # 35744

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3489
Del: 01/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (48)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	034_1_A	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-01		CS	11,50	Inizio Verniciatura	1 - 9002
2)	034_1_B	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-01		CS	14,70	Inizio Verniciatura	1 - 9002
3)	034_2_C	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	9,80	Inizio Verniciatura	1 - 9002
4)	034_2_D	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	12,70	Inizio Verniciatura	1 - 9002
5)	034_2_E	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	7,20	Inizio Verniciatura	1 - 9002
6)	034_2_F	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	9,40	Inizio Verniciatura	1 - 9002
7)	036_3_G	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	21,60	Inizio Verniciatura	6A - 9002
8)	036_4_J	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-04		SS	37,60	Inizio Verniciatura	6A - 9002
9)	036_5_L	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-05		SS	15,20	Inizio Verniciatura	6A - 9002
10)	036_6_O	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	34,10	Inizio Verniciatura	6A - 9002
11)	036_7_P	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-07		SS	14,40	Inizio Verniciatura	6A - 9002
12)	036_8_R	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	40,90	Inizio Verniciatura	6A - 9002
13)	036_8_T	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	15,40	Inizio Verniciatura	6A - 9002

EMANUELE ZAFFI ISPAC CERTIFICATE n° 8011 FROSIO NS476

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3489
Del: 01/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	046_1_A	1"-N-125-03HSS-N	123A90-FDL-PP-DI-00046-01		SS	4,20	Inizio Verniciatura	6A - 9002
15)	048_1_A	1"-N-127-03HSS-N	123A90-FDL-PP-DI-00048-01		SS	4,60	Inizio Verniciatura	6A - 9002
16)	062_1_A	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	12,20	Inizio Verniciatura	1 - 9002
17)	062_1_B	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	16,00	Inizio Verniciatura	1 - 9002
18)	062_1_C	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	22,50	Inizio Verniciatura	1 - 9002
19)	062_2_D	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	8,20	Inizio Verniciatura	1 - 9002
20)	062_2_G	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	21,90	Inizio Verniciatura	1 - 9002
21)	065_1_B	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	3,80	Inizio Verniciatura	6A - 9002
22)	095_1_A	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	14,10	Inizio Verniciatura	6A - 9002
23)	095_1_B	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	5,80	Inizio Verniciatura	6A - 9002
24)	095_1_C	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	4,30	Inizio Verniciatura	6A - 9002
25)	095_1_D	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	7,30	Inizio Verniciatura	6A - 9002
26)	095_1_E	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	13,70	Inizio Verniciatura	6A - 9002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3489
Del: 01/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	095_1_F	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	5,90	Inizio Verniciatura	6A - 9002
28)	101_1_A	1"-IA-203-01SS-N	123A90-FDL-PP-DI-00101-01		SS	1,40	Inizio Verniciatura	6A - 9002
29)	101_1_B	1"-IA-203-01SS-N	123A90-FDL-PP-DI-00101-01		SS	3,10	Inizio Verniciatura	6A - 9002
30)	102_1_B	1-1/2"-IA-204-01SS-N	123A90-FDL-PP-DI-00102-01		SS	3,70	Inizio Verniciatura	6A - 9002
31)	103_1_A	1"-IA-205-01SS-N	123A90-FDL-PP-DI-00103-01		SS	3,10	Inizio Verniciatura	6A - 9002
32)	103_1_B	1"-IA-205-01SS-N	123A90-FDL-PP-DI-00103-01		SS	5,10	Inizio Verniciatura	6A - 9002
33)	104_1_A	1"-IA-206-01SS-N	123A90-FDL-PP-DI-00104-01		SS	3,00	Inizio Verniciatura	6A - 9002
34)	106_1_A	1"-IA-208-01SS-N	123A90-FDL-PP-DI-00106-01		SS	4,40	Inizio Verniciatura	6A - 9002
35)	106_1_B	1"-IA-208-01SS-N	123A90-FDL-PP-DI-00106-01		SS	3,10	Inizio Verniciatura	6A - 9002
36)	108_1_A	1"-IA-210-01SS-N	123A90-FDL-PP-DI-00108-01		SS	4,70	Inizio Verniciatura	6A - 9002
37)	109_1_B	1"-IA-211-01SS-N	123A90-FDL-PP-DI-00109-01		SS	3,10	Inizio Verniciatura	6A - 9002
38)	110_1_A	1"-IA-212-01SS-N	123A90-FDL-PP-DI-00110-01		SS	4,40	Inizio Verniciatura	6A - 9002
39)	110_1_B	1"-IA-212-01SS-N	123A90-FDL-PP-DI-00110-01		SS	3,10	Inizio Verniciatura	6A - 9002



ROSETTI MARINO
Group of Companies

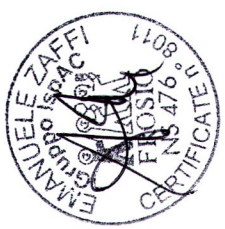
Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3489
Del: 01/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	**111_1_A**	**1"-IA-213-01SS-N**	**123A90-FDL-PP-DI-00111-01**		**SS**	**3,00**	Inizio Verniciatura	6A - 9002
41)	**112_1_A**	**1"-IA-214-01SS-N**	**123A90-FDL-PP-DI-00112-01**		**SS**	**4,40**	Inizio Verniciatura	6A - 9002
42)	**112_1_B**	**1"-IA-214-01SS-N**	**123A90-FDL-PP-DI-00112-01**		**SS**	**3,10**	Inizio Verniciatura	6A - 9002
43)	**113_1_A**	**1"-IA-215-01SS-N**	**123A90-FDL-PP-DI-00113-01**		**SS**	**2,20**	Inizio Verniciatura	6A - 9002
44)	**119_1_A**	**1"-IA-223-01SS-N**	**123A90-FDL-PP-DI-00119-01**		**SS**	**6,50**	Inizio Verniciatura	6A - 9002
45)	**122_2_C**	**1"-N-257-03HSS-N**	**123A90-FDL-PP-DI-00122-02**		**SS**	**12,80**	Inizio Verniciatura	6A - 9002
46)	**127_1_A**	**1-1/2"-IA-263-01SS-N**	**123A90-FDL-PP-DI-00127-01**		**SS**	**11,80**	Inizio Verniciatura	6A - 9002
47)	**127_1_B**	**1-1/2"-IA-263-01SS-N**	**123A90-FDL-PP-DI-00127-01**		**SS**	**4,10**	Inizio Verniciatura	6A - 9002
48)	**127_2_C**	**1-1/2"-IA-263-01SS-N**	**123A90-FDL-PP-DI-00127-02**		**SS**	**21,90**	Inizio Verniciatura	6A - 9002



TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 004	Pages: 1 of 6
Item description: See List Item nr 3489	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 01/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3489

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	24/09/24 8.00	16	62	8.74	16
	24/09/24 12.00	16	65	9.44	16

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3606677-1				
Expiration date:	25/10/2026		22/02/2026		12/08/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3520081-1				
Expiration date:	11/09/2028		27/02/2026		20/05/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLLESS		AIRLESS		AIRLESS				
Application date:	24/09/24		25/09/24		27/09/24				
Start / Stop time:	12	18	8	12	8	12			
Air temperature:	16	17	17	17	17	17			NOTES
Surface temperature:	16	16	16	17	16	16			
Dew point:	9.44	9.68	9.44	10.16	9.68	9.44			
Relative humidity:	65	62	61	64	62	61			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	54/81/65		161/194/154		221/265/230				
Inspection date & time:	25/09/24		27/09/24		01/10/24				

Holiday testing: Performed ☐ Not Performed ☒
Result: OK ☐ Not OK ☐

Adhesion testing:

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35764	

EMANUELE ZAFFI Gruppo Ispettori CERTIFICATE n° 8011

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 004	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

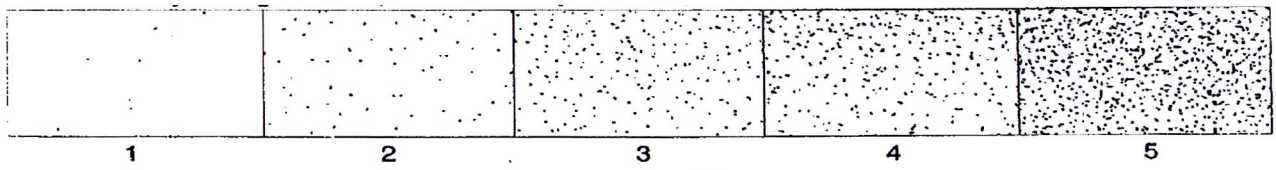
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

EMANUELE ZAFFI Gruppo Ispettori Coatings FROSIO N° 476 CERTIFICATE n° 801

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3489
Del: 01/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (48)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	034_1_A	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-01		CS	11,50	Inizio Verniciatura	1 - 9002
2)	034_1_B	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-01		CS	14,70	Inizio Verniciatura	1 - 9002
3)	034_2_C	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	9,80	Inizio Verniciatura	1 - 9002
4)	034_2_D	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	12,70	Inizio Verniciatura	1 - 9002
5)	034_2_E	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	7,20	Inizio Verniciatura	1 - 9002
6)	034_2_F	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	9,40	Inizio Verniciatura	1 - 9002
7)	036_3_G	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	21,60	Inizio Verniciatura	6A - 9002
8)	036_4_J	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-04		SS	37,60	Inizio Verniciatura	6A - 9002
9)	036_5_L	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-05		SS	15,20	Inizio Verniciatura	6A - 9002
10)	036_6_O	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	34,10	Inizio Verniciatura	6A - 9002
11)	036_7_P	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-07		SS	14,40	Inizio Verniciatura	6A - 9002
12)	036_8_R	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	40,90	Inizio Verniciatura	6A - 9002
13)	036_8_T	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	15,40	Inizio Verniciatura	6A - 9002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

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Lista No. 3489
Del: 01/10/2024
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	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
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16)	062_1_A	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	12,20	Inizio Verniciatura	1 - 9002
17)	062_1_B	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	16,00	Inizio Verniciatura	1 - 9002
18)	062_1_C	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	22,50	Inizio Verniciatura	1 - 9002
19)	062_2_D	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	8,20	Inizio Verniciatura	1 - 9002
20)	062_2_G	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	21,90	Inizio Verniciatura	1 - 9002
21)	065_1_B	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	3,80	Inizio Verniciatura	6A - 9002
22)	095_1_A	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	14,10	Inizio Verniciatura	6A - 9002
23)	095_1_B	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	5,80	Inizio Verniciatura	6A - 9002
24)	095_1_C	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	4,30	Inizio Verniciatura	6A - 9002
25)	095_1_D	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	7,30	Inizio Verniciatura	6A - 9002
26)	095_1_E	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	13,70	Inizio Verniciatura	6A - 9002

EMANUELE ZAFFI Gruppo ISNAC CERTIFICATE n° 8011

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

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28)	101_1_A	1"-IA-203-01SS-N	123A90-FDL-PP-DI-00101-01		SS	1,40	Inizio Verniciatura	6A - 9002
29)	101_1_B	1"-IA-203-01SS-N	123A90-FDL-PP-DI-00101-01		SS	3,10	Inizio Verniciatura	6A - 9002
30)	102_1_B	1-1/2"-IA-204-01SS-N	123A90-FDL-PP-DI-00102-01		SS	3,70	Inizio Verniciatura	6A - 9002
31)	103_1_A	1"-IA-205-01SS-N	123A90-FDL-PP-DI-00103-01		SS	3,10	Inizio Verniciatura	6A - 9002
32)	103_1_B	1"-IA-205-01SS-N	123A90-FDL-PP-DI-00103-01		SS	5,10	Inizio Verniciatura	6A - 9002
33)	104_1_A	1"-IA-206-01SS-N	123A90-FDL-PP-DI-00104-01		SS	3,00	Inizio Verniciatura	6A - 9002
34)	106_1_A	1"-IA-208-01SS-N	123A90-FDL-PP-DI-00106-01		SS	4,40	Inizio Verniciatura	6A - 9002
35)	106_1_B	1"-IA-208-01SS-N	123A90-FDL-PP-DI-00106-01		SS	3,10	Inizio Verniciatura	6A - 9002
36)	108_1_A	1"-IA-210-01SS-N	123A90-FDL-PP-DI-00108-01		SS	4,70	Inizio Verniciatura	6A - 9002
37)	109_1_B	1"-IA-211-01SS-N	123A90-FDL-PP-DI-00109-01		SS	3,10	Inizio Verniciatura	6A - 9002
38)	110_1_A	1"-IA-212-01SS-N	123A90-FDL-PP-DI-00110-01		SS	4,40	Inizio Verniciatura	6A - 9002
39)	110_1_B	1"-IA-212-01SS-N	123A90-FDL-PP-DI-00110-01		SS	3,10	Inizio Verniciatura	6A - 9002



ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

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41)	112_1_A	1"-IA-214-01SS-N	123A90-FDL-PP-DI-00112-01		SS	4,40	Inizio Verniciatura	6A - 9002
42)	112_1_B	1"-IA-214-01SS-N	123A90-FDL-PP-DI-00112-01		SS	3,10	Inizio Verniciatura	6A - 9002
43)	113_1_A	1"-IA-215-01SS-N	123A90-FDL-PP-DI-00113-01		SS	2,20	Inizio Verniciatura	6A - 9002
44)	119_1_A	1"-IA-223-01SS-N	123A90-FDL-PP-DI-00119-01		SS	6,50	Inizio Verniciatura	6A - 9002
45)	122_2_C	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-02		SS	12,80	Inizio Verniciatura	6A - 9002
46)	127_1_A	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-01		SS	11,80	Inizio Verniciatura	6A - 9002
47)	127_1_B	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-01		SS	4,10	Inizio Verniciatura	6A - 9002
48)	127_2_C	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	21,90	Inizio Verniciatura	6A - 9002

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 005	Pages: 1 of 6
Item description: See List Item nr 3517	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 02/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3517

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC- SP 1		
Abrasive type & mesh: Metallic Grit GH 50			Anchor Profile recorded [µm]: Medium G according to ISO 8503		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	25/09/2024 8.00	17	61	9.44	17
	25/09/2024 12.00	17	64	10.16	17

Coating System Nº 1	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	BARRIER 80S		PENGUARD		HARDTOP XP				
Batch number Part A:	3432859-1-*-1:2		3431380-1-*-1:2		3606677-1				
Expiration date:	12/03/2026		22/02/2026		12/08/2028				
Batch number Part B:	3437130-1-*-1:2		3437147-1-*-1:2		3520081-1				
Expiration date:	10/04/2026		27/02/2026		20/05/2028				
Color:	GREY		OFF WHITE		RAL9002				
Application method:	AIRLESS		AIRLESS		AIRLESS				
Application date:	25/09/2024		27/09/2024		30/09/24				
Start / Stop time:	12.00	17.00	8.00	12.00	8.00	12.00			
Air temperature:	17	18	17	17	18	18			NOTES
Surface temperature:	17	18	16	16	18	18			
Dew point:	10.16	10.14	9.68	9.44	10.14	9.63			
Relative humidity:	64	60	62	61	60	58			
Wet film thickness:	100		260		100				
DFT Min/Max/Av [µm]:	64/94/69		261/312/275		321/415/365				
Inspection date & time:	27/09/24		30/09/24		02/10/24				

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing: N.A.
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35744	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 005	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

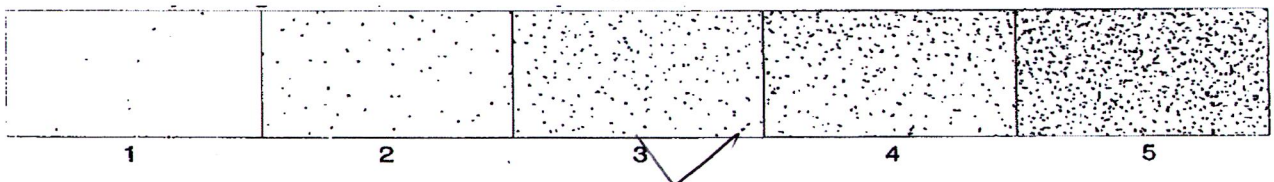
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☐ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3517
Del: 02/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	034_1_A	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-01		CS	11,50	Ready for Erection	1 - 9002
2)	034_1_B	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-01		CS	14,70	Ready for Erection	1 - 9002
3)	034_2_C	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	9,80	Ready for Erection	1 - 9002
4)	034_2_D	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	12,70	Ready for Erection	1 - 9002
5)	034_2_E	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	7,20	Ready for Erection	1 - 9002
6)	034_2_F	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	9,40	Ready for Erection	1 - 9002
7)	036_3_G	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	21,60	Ready for Erection	6A - 9002
8)	036_4_J	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-04		SS	37,60	Ready for Erection	6A - 9002
9)	036_5_L	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-05		SS	15,20	Ready for Erection	6A - 9002
10)	036_6_O	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	34,10	Ready for Erection	6A - 9002
11)	036_7_P	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-07		SS	14,40	Ready for Erection	6A - 9002
12)	036_8_R	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	40,90	Ready for Erection	6A - 9002
13)	036_8_T	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	15,40	Ready for Erection	6A - 9002

EMANUELE ZAFFI Gruppo Isa AC CERTIFICATE n° 8011

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3517
Del: 02/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	046_1_A	1"-N-125-03HSS-N	123A90-FDL-PP-DI-00046-01		SS	4,20	Ready for Erection	6A - 9002
15)	048_1_A	1"-N-127-03HSS-N	123A90-FDL-PP-DI-00048-01		SS	4,60	Ready for Erection	6A - 9002
16)	062_1_A	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	12,20	Ready for Erection	1 - 9002
17)	062_1_B	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	16,00	Ready for Erection	1 - 9002
18)	062_1_C	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	22,50	Ready for Erection	1 - 9002
19)	062_2_D	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	8,20	Verniciato	1 - 9002
20)	062_2_G	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	21,90	Verniciato	1 - 9002
21)	065_1_B	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	3,80	Ready for Erection	6A - 9002
22)	095_1_A	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	14,10	Ready for Erection	6A - 9002
23)	095_1_B	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	5,80	Ready for Erection	6A - 9002
24)	095_1_C	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	4,30	Ready for Erection	6A - 9002
25)	095_1_D	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	7,30	Ready for Erection	6A - 9002
26)	095_1_E	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	13,70	Ready for Erection	6A - 9002



ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3517
Del: 02/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	095_1_F	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	5,90	Ready for Erection	6A - 9002
28)	101_1_A	1"-IA-203-01SS-N	123A90-FDL-PP-DI-00101-01		SS	1,40	Ready for Erection	6A - 9002
29)	101_1_B	1"-IA-203-01SS-N	123A90-FDL-PP-DI-00101-01		SS	3,10	Ready for Erection	6A - 9002
30)	102_1_B	1-1/2"-IA-204-01SS-N	123A90-FDL-PP-DI-00102-01		SS	3,70	Ready for Erection	6A - 9002
31)	103_1_A	1"-IA-205-01SS-N	123A90-FDL-PP-DI-00103-01		SS	3,10	Ready for Erection	6A - 9002
32)	103_1_B	1"-IA-205-01SS-N	123A90-FDL-PP-DI-00103-01		SS	5,10	Ready for Erection	6A - 9002
33)	104_1_A	1"-IA-206-01SS-N	123A90-FDL-PP-DI-00104-01		SS	3,00	Ready for Erection	6A - 9002
34)	106_1_A	1"-IA-208-01SS-N	123A90-FDL-PP-DI-00106-01		SS	4,40	Ready for Erection	6A - 9002
35)	106_1_B	1"-IA-208-01SS-N	123A90-FDL-PP-DI-00106-01		SS	3,10	Ready for Erection	6A - 9002
36)	108_1_A	1"-IA-210-01SS-N	123A90-FDL-PP-DI-00108-01		SS	4,70	Ready for Erection	6A - 9002
37)	109_1_B	1"-IA-211-01SS-N	123A90-FDL-PP-DI-00109-01		SS	3,10	Ready for Erection	6A - 9002
38)	110_1_A	1"-IA-212-01SS-N	123A90-FDL-PP-DI-00110-01		SS	4,40	Ready for Erection	6A - 9002
39)	110_1_B	1"-IA-212-01SS-N	123A90-FDL-PP-DI-00110-01		SS	3,10	Ready for Erection	6A - 9002

EMANUELE ZAFFI Gruppo IsoAcciai CERTIFICATE n. 8011 ISO 9001 FRS 476

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3517
Del: 02/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (48)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	111_1_A	1"-IA-213-01SS-N	123A90-FDL-PP-DI-00111-01		SS	3,00	Ready for Erection	6A - 9002
41)	112_1_A	1"-IA-214-01SS-N	123A90-FDL-PP-DI-00112-01		SS	4,40	Ready for Erection	6A - 9002
42)	112_1_B	1"-IA-214-01SS-N	123A90-FDL-PP-DI-00112-01		SS	3,10	Ready for Erection	6A - 9002
43)	113_1_A	1"-IA-215-01SS-N	123A90-FDL-PP-DI-00113-01		SS	2,20	Ready for Erection	6A - 9002
44)	119_1_A	1"-IA-223-01SS-N	123A90-FDL-PP-DI-00119-01		SS	6,50	Ready for Erection	6A - 9002
45)	122_2_C	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-02		SS	12,80	Ready for Erection	6A - 9002
46)	127_1_A	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-01		SS	11,80	Ready for Erection	6A - 9002
47)	127_1_B	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-01		SS	4,10	Ready for Erection	6A - 9002
48)	127_2_C	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	21,90	Ready for Erection	6A - 9002.

EMANUELE ZAFFI ISO CERTIFICATE n° 8011 RINA ISO 9001 Gruppo

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 006	Pages: 1 of 6
Item description: See List Item nr 3517	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 02/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3517

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	25/09/2024 8.00	17	61	9.44	17
	25/09/2024 12.00	17	64	10.16	17

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3606677-1				
Expiration date:	25/10/2026		22/02/2026		12/08/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3520081-1				
Expiration date:	11/09/2028		27/02/2026		20/05/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLLESS		AIRLESS		AIRLESS				
Application date:	25/09/2024		27/09/2024		30/09/24				
Start / Stop time:	12.00	17.00	8.00	12.00	17.00	8.00			
Air temperature:	17	18	17	17	18	17			NOTES
Surface temperature:	17	18	16	17	18	16			
Dew point:	10.16	10.14	9.68	10.16	10.14	9.68			
Relative humidity:	64	60	62	64	60	62			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	57/90/64		158/179/164		215/280/230				
Inspection date & time:	27/09/24		30/09/24		02/10/24				

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing:
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Zaffi Emanuele	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

EMANUELE ZAFFI Gruppo Trezeta Service CERTIFICATE n° 8011 IQNet IRQS 476

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 006	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

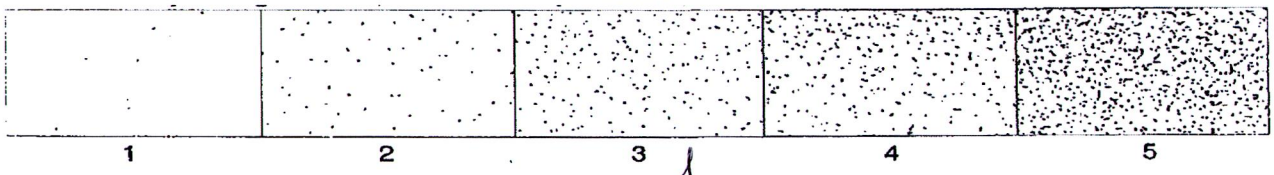
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35744	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3517
Del: 02/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	034_1_A	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-01		CS	11,50	Ready for Erection	1 - P002
2)	034_1_B	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-01		CS	14,70	Ready for Erection	1 - P002
3)	034_2_C	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	9,80	Ready for Erection	1 - P002
4)	034_2_D	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	12,70	Ready for Erection	1 - P002
5)	034_2_E	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	7,20	Ready for Erection	1 - P002
6)	034_2_F	1"-N-100-01CS-N	123A90-FDL-PP-DI-00034-02		CS	9,40	Ready for Erection	1 - P002
7)	036_3_G	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	21,60	Ready for Erection	6A - P002
8)	036_4_J	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-04		SS	37,60	Ready for Erection	6A - P002
9)	036_5_L	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-05		SS	15,20	Ready for Erection	6A - P002
10)	036_6_O	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	34,10	Ready for Erection	6A - P002
11)	036_7_P	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-07		SS	14,40	Ready for Erection	6A - P002
12)	036_8_R	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	40,90	Ready for Erection	6A - P002
13)	036_8_T	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	15,40	Ready for Erection	6A - P002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3517
Del: 02/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	046_1_A	1"-N-125-03HSS-N	123A90-FDL-PP-DI-00046-01		SS	4,20	Ready for Erection	6A - 9002
15)	048_1_A	1"-N-127-03HSS-N	123A90-FDL-PP-DI-00048-01		SS	4,60	Ready for Erection	6A - 9002
16)	062_1_A	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	12,20	Ready for Erection	1 - 9002
17)	062_1_B	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	16,00	Ready for Erection	1 - 9002
18)	062_1_C	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-01		CS	22,50	Ready for Erection	1 - 9002
19)	062_2_D	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	8,20	Verniciato	1 - 9002
20)	062_2_G	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	21,90	Verniciato	1 - 9002
21)	065_1_B	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	3,80	Ready for Erection	6A - 9002
22)	095_1_A	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	14,10	Ready for Erection	6A - 9002
23)	095_1_B	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	5,80	Ready for Erection	6A - 9002
24)	095_1_C	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	4,30	Ready for Erection	6A - 9002
25)	095_1_D	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	7,30	Ready for Erection	6A - 9002
26)	095_1_E	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	13,70	Ready for Erection	6A - 9002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (48)

Lista No. 3517
Del: 02/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	095_1_F	1"-IA-191-01SS-N	123A90-FDL-PP-DI-00095-01		SS	5,90	Ready for Erection	6A - 9002
28)	101_1_A	1"-IA-203-01SS-N	123A90-FDL-PP-DI-00101-01		SS	1,40	Ready for Erection	6A - 9002
29)	101_1_B	1"-IA-203-01SS-N	123A90-FDL-PP-DI-00101-01		SS	3,10	Ready for Erection	6A - 9002
30)	102_1_B	1-1/2"-IA-204-01SS-N	123A90-FDL-PP-DI-00102-01		SS	3,70	Ready for Erection	6A - 9002
31)	103_1_A	1"-IA-205-01SS-N	123A90-FDL-PP-DI-00103-01		SS	3,10	Ready for Erection	6A - 9002
32)	103_1_B	1"-IA-205-01SS-N	123A90-FDL-PP-DI-00103-01		SS	5,10	Ready for Erection	6A - 9002
33)	104_1_A	1"-IA-206-01SS-N	123A90-FDL-PP-DI-00104-01		SS	3,00	Ready for Erection	6A - 9002
34)	106_1_A	1"-IA-208-01SS-N	123A90-FDL-PP-DI-00106-01		SS	4,40	Ready for Erection	6A - 9002
35)	106_1_B	1"-IA-208-01SS-N	123A90-FDL-PP-DI-00106-01		SS	3,10	Ready for Erection	6A - 9002
36)	108_1_A	1"-IA-210-01SS-N	123A90-FDL-PP-DI-00108-01		SS	4,70	Ready for Erection	6A - 9002
37)	109_1_B	1"-IA-211-01SS-N	123A90-FDL-PP-DI-00109-01		SS	3,10	Ready for Erection	6A - 9002
38)	110_1_A	1"-IA-212-01SS-N	123A90-FDL-PP-DI-00110-01		SS	4,40	Ready for Erection	6A - 9002
39)	110_1_B	1"-IA-212-01SS-N	123A90-FDL-PP-DI-00110-01		SS	3,10	Ready for Erection	6A - 9002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3517
Del: 02/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (48)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	111_1_A	1"-IA-213-01SS-N	123A90-FDL-PP-DI-00111-01		SS	3,00	Ready for Erection	6A - 9002
41)	112_1_A	1"-IA-214-01SS-N	123A90-FDL-PP-DI-00112-01		SS	4,40	Ready for Erection	6A - 9002
42)	112_1_B	1"-IA-214-01SS-N	123A90-FDL-PP-DI-00112-01		SS	3,10	Ready for Erection	6A - 9002
43)	113_1_A	1"-IA-215-01SS-N	123A90-FDL-PP-DI-00113-01		SS	2,20	Ready for Erection	6A - 9002
44)	119_1_A	1"-IA-223-01SS-N	123A90-FDL-PP-DI-00119-01		SS	6,50	Ready for Erection	6A - 9002
45)	122_2_C	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-02		SS	12,80	Ready for Erection	6A - 9002
46)	127_1_A	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-01		SS	11,80	Ready for Erection	6A - 9002
47)	127_1_B	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-01		SS	4,10	Ready for Erection	6A - 9002
48)	127_2_C	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	21,90	Ready for Erection	6A - 9002.



TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 007	Pages: 1 of 56
Item description: See List Item nr 3557	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 11/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3557

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC- SP 1		
Abrasive type & mesh: Metallic Grit GH 50			Anchor Profile recorded [µm]: Medium G according to ISO 8503		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	07/10/2024 8.00	18	64	11.10	18
	07/10/2024 12.00	18	67	11.79	18

Coating System Nº 1	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	BARRIER 80S		PENGUARD		HARDTOP XP				
Batch number Part A:	3432859-1-*-1:2		3431380-1-*-1:2		3606677-1				
Expiration date:	12/03/2026		22/02/2026		12/08/2028				
Batch number Part B:	3437130-1-*-1:2		3437147-1-*-1:2		3520081-1				
Expiration date:	10/04/2026		27/02/2026		20/05/2028				
Color:	GREY		OFF WHITE		RAL9002				
Application method:	AIRLESS		AIRLESS		AIRLESS				
Application date:	07/10/24		08/10/24		10/10/24				
Start / Stop time:	12.00	17.00	8.00	12.00	8.00	12.00			
Air temperature:	18	20	18	24	18	19			NOTES
Surface temperature:	18	18	18	24	18	18			
Dew point:	11.79	11.76	12.02	16.02	10.38	10.57			
Relative humidity:	67	59	68	61	61	58			
Wet film thickness:	100		260		100				
DFT Min/Max/Av [µm]:	60/91/64		271/315/294		312/394/321				
Inspection date & time:	08/10/24		10/10/24		11/10/24				

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing: N.A.
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #-35744	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 007	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

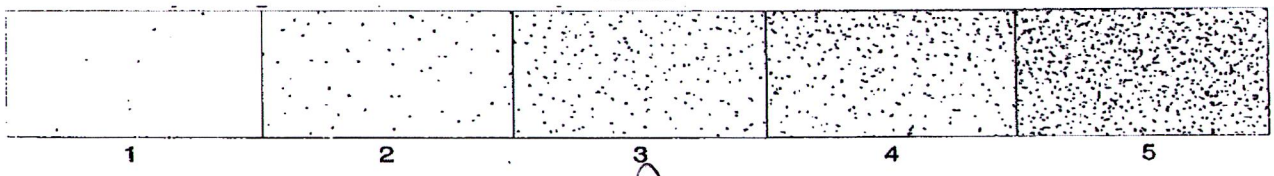
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (37)

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	001_1_A	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	7,80	Rilasciato Verniciatura QC	
2)	001_1_B	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	7,90	Rilasciato Verniciatura QC	
3)	001_1_C	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	26,00	Rilasciato Verniciatura QC	N/A
4)	001_1_D	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	3,10	Rilasciato Verniciatura QC	
5)	001_1_E	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	3,70	Rilasciato Verniciatura QC	
6)	020_1_A	1"-N-028-03HSS-N	123A90-FDL-PP-DI-00020-01		SS	4,20	Rilasciato Verniciatura QC	6A - 9002
7)	027_1_B	1"-WW-038-01CS-H	123A90-FDL-PP-DI-00027-01		CS	3,90	Rilasciato Verniciatura QC	1D - N/A
8)	032_1_D	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	3,30	Rilasciato Verniciatura QC	1D - N/A
9)	035_1_A	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	3,00	Rilasciato Verniciatura QC	1 - 9002
10)	036_1_A	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	7,30	Rilasciato Verniciatura QC	
11)	036_1_B	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	15,50	Rilasciato Verniciatura QC	6A - 9002
12)	036_1_C	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	41,40	Rilasciato Verniciatura QC	
13)	036_2_D	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-02		SS	50,60	Rilasciato Verniciatura QC	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (37)

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	036_2_E	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-02		SS	28,70	Rilasciato Verniciatura QC	
15)	036_3_H	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	22,30	Rilasciato Verniciatura QC	
16)	036_3_I	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	31,70	Rilasciato Verniciatura QC	
17)	036_4_F	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-04		SS	22,60	Rilasciato Verniciatura QC	6A - P002
18)	036_6_N	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	16,40	Rilasciato Verniciatura QC	
19)	036_7_Q	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-07		SS	19,20	Rilasciato Verniciatura QC	
20)	036_8_S	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	14,20	Rilasciato Verniciatura QC	
21)	044_1_C	10"-VL-123-01HSS-N	123A90-FDL-PP-DI-00044-01		SS	142,10	Rilasciato Verniciatura QC	6A - P002
22)	062_2_E	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	19,10	Rilasciato Verniciatura QC	1 - P002
23)	062_2_F	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	4,70	Rilasciato Verniciatura QC	
24)	065_1_A	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	3,70	Rilasciato Verniciatura QC	6A - P002
25)	065_1_C	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	7,60	Rilasciato Verniciatura QC	
26)	097_1_A	1-1/2"-N-197-01CS-N	123A90-FDL-PP-DI-00097-01		CS	3,20	Rilasciato Verniciatura QC	1 - P002



ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (37)

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg]	Transfer Status	Eng.Notes
27)	102_1_A	1-1/2"-IA-204-01SS-N	123A90-FDL-PP-DI-00102-01		SS	12,10	Rilasciato Verniciatura QC	6A - 9002
28)	107_1_A	1"-IA-209-01SS-N	123A90-FDL-PP-DI-00107-01		SS	5,90	Rilasciato Verniciatura QC	6A - 9002
29)	109_1_A	1"-IA-211-01SS-N	123A90-FDL-PP-DI-00109-01		SS	1,40	Rilasciato Verniciatura QC	6A - 9002
30)	113_1_B	1"-IA-215-01SS-N	123A90-FDL-PP-DI-00113-01		SS	7,40	Rilasciato Verniciatura QC	6A - 9002
31)	127_2_D	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	8,70	Rilasciato Verniciatura QC	6A - 9002
32)	030_3_F	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	3,30	Rilasciato Verniciatura QC	HOOK-UP 004
33)	030_3_H	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	4,60	Rilasciato Verniciatura QC	HOOK-UP 004
34)	033_1_B	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,50	Rilasciato Verniciatura QC	HOOK-UP 001
35)	033_1_F	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,10	Rilasciato Verniciatura QC	HOOK-UP 001
36)	033_1_G	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,70	Rilasciato Verniciatura QC	HOOK-UP 001
37)	033_1_H	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,50	Rilasciato Verniciatura QC	HOOK-UP 001

1D - N/A

1D - N/A

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 008	Pages: 1 of 5
Item description: See List Item nr 3557	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 11/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3557

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	07/10/2024 8.00	18	64	11.10	18
	07/10/2024 12.00	18	67	11.79	18

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3606677-1				
Expiration date:	25/10/2026		22/02/2026		12/08/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3520081-1				
Expiration date:	11/09/2028		27/02/2026		20/05/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLLESS		AIRLESS		AIRLESS				
Application date:	07/10/24		08/10/24		10/10/24				
Start / Stop time:	12.00	17.00	8.00	12.00	17.00	8.00			
Air temperature:	18	20	18	18	20	18			NOTES
Surface temperature:	18	18	18	18	18	18			
Dew point:	11.79	11.76	12.02	11.79	11.76	12.02			
Relative humidity:	67	59	68	67	59	68			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	54/79/67		161/194/169		230/290/245				
Inspection date & time:	08/10/24		10/10/24		11/10/24				

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing:
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign			

EMANUELE ZAFFI ISPETTORE DI VERNICIATURA AROSIO MS 478 CERTIFICATE n° 8011

NACE # 35744

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 008	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

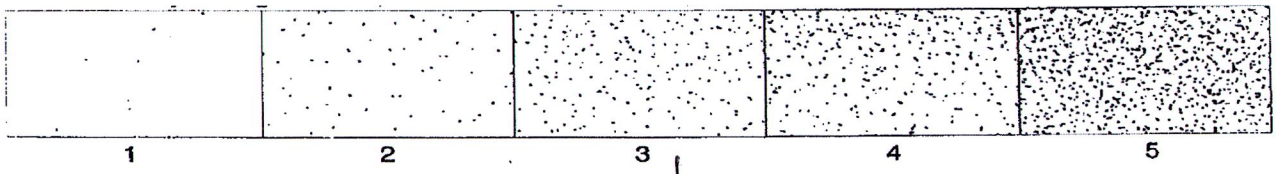
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA S.R.L.	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE# 35744	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (37)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	001_1_A	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	7,80	Rilasciato Verniciatura QC	
2)	001_1_B	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	7,90	Rilasciato Verniciatura QC	
3)	001_1_C	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	26,00	Rilasciato Verniciatura QC	N/A
4)	001_1_D	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	3,10	Rilasciato Verniciatura QC	
5)	001_1_E	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	3,70	Rilasciato Verniciatura QC	
6)	020_1_A	1"-N-028-03HSS-N	123A90-FDL-PP-DI-00020-01		SS	4,20	Rilasciato Verniciatura QC	6A - 9002
7)	027_1_B	1"-WW-038-01CS-H	123A90-FDL-PP-DI-00027-01		CS	3,90	Rilasciato Verniciatura QC	1D - N/A
8)	032_1_D	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	3,30	Rilasciato Verniciatura QC	1D - N/A
9)	035_1_A	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	3,00	Rilasciato Verniciatura QC	1 - 9002
10)	036_1_A	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	7,30	Rilasciato Verniciatura QC	
11)	036_1_B	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	15,50	Rilasciato Verniciatura QC	6A - 9002
12)	036_1_C	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	41,40	Rilasciato Verniciatura QC	
13)	036_2_D	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-02		SS	50,60	Rilasciato Verniciatura QC	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (37)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	036_2_E	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-02		SS	28,70	Rilasciato Verniciatura QC	
15)	036_3_H	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	22,30	Rilasciato Verniciatura QC	
16)	036_3_I	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	31,70	Rilasciato Verniciatura QC	
17)	036_4_F	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-04		SS	22,60	Rilasciato Verniciatura QC	6A - 9002
18)	036_6_N	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	16,40	Rilasciato Verniciatura QC	
19)	036_7_Q	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-07		SS	19,20	Rilasciato Verniciatura QC	
20)	036_8_S	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	14,20	Rilasciato Verniciatura QC	
21)	044_1_C	10"-VL-123-01HSS-N	123A90-FDL-PP-DI-00044-01		SS	142,10	Rilasciato Verniciatura QC	6A - 9002
22)	062_2_E	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	19,10	Rilasciato Verniciatura QC	1 - 9002
23)	062_2_F	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	4,70	Rilasciato Verniciatura QC	
24)	065_1_A	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	3,70	Rilasciato Verniciatura QC	6A - 9002
25)	065_1_C	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	7,60	Rilasciato Verniciatura QC	
26)	097_1_A	1-1/2"-N-197-01CS-N	123A90-FDL-PP-DI-00097-01		CS	3,20	Rilasciato Verniciatura QC	1 - 9002



ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (37)

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	102_1_A	1-1/2"-IA-204-01SS-N	123A90-FDL-PP-DI-00102-01		SS	12,10	Rilasciato Verniciatura QC	6A - P002
28)	107_1_A	1"-IA-209-01SS-N	123A90-FDL-PP-DI-00107-01		SS	5,90	Rilasciato Verniciatura QC	6A - P002
29)	109_1_A	1"-IA-211-01SS-N	123A90-FDL-PP-DI-00109-01		SS	1,40	Rilasciato Verniciatura QC	6A - P002
30)	113_1_B	1"-IA-215-01SS-N	123A90-FDL-PP-DI-00113-01		SS	7,40	Rilasciato Verniciatura QC	6A - P002
31)	127_2_D	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	8,70	Rilasciato Verniciatura QC	6A - P002
32)	030_3_F	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	3,30	Rilasciato Verniciatura QC	HOOK-UP 004
33)	030_3_H	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	4,60	Rilasciato Verniciatura QC	HOOK-UP 004 — 1D - N/A
34)	033_1_B	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,50	Rilasciato Verniciatura QC	HOOK-UP 001
35)	033_1_F	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,10	Rilasciato Verniciatura QC	HOOK-UP 001
36)	033_1_G	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,70	Rilasciato Verniciatura QC	HOOK-UP 001
37)	033_1_H	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,50	Rilasciato Verniciatura QC	HOOK-UP 001 — 1D - N/A

EMANUELE ZAFFI Gruppo IspaC CERTIFICATE n° 8011 ISO 9001

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 009	Pages: 1 of 5
Item description: See List Item nr 3557	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 11/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3557

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 13	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	07/10/2024 8.00	18	64	11.10	18
	07/10/2024 12.00	18	67	11.79	18

Coating System Nº 1D	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	EPOXY HR ALLUMINIUM		EPOXY HR GREY						
Batch number Part A:	3545389-1		3549393-1						
Expiration date:	12/06/2026		17/06/2026						
Batch number Part B:	3446829-1		3446829-1						
Expiration date:	07/03/2026		07/03/2026						
Color:	ALLUMIUM		GREY						
Application method:	AIRLESS		AIRLESS						
Application date:	07/10/24		08/10/24						
Start / Stop time:	12.00	17.00	12.00	17.00					
Air temperature:	18	20	18	20					NOTES
Surface temperature:	18	18	18	18					
Dew point:	11.79	11.76	11.79	11.76					
Relative humidity:	67	59	67	59					
Wet film thickness:	200		200						
DFT Min/Max/Av [µm]:	137/181/154		261/315/276						
Inspection date & time:	08/10/24		11/10/24						

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing:
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 009	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

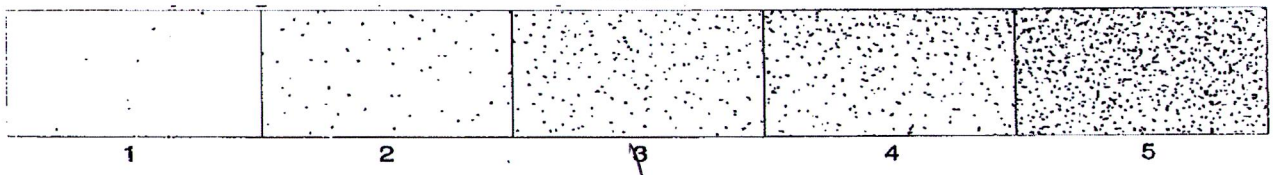
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Ing. Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign			

EMANUELE ZAFFI Gruppo Trezeta CERTIFICATE N° 8011 IQNet CQY 16 PRO 0176

NACE# 35744

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (37)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	001_1_A	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	7,80	Rilasciato Verniciatura QC	
2)	001_1_B	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	7,90	Rilasciato Verniciatura QC	
3)	001_1_C	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	26,00	Rilasciato Verniciatura QC	N/A
4)	001_1_D	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	3,10	Rilasciato Verniciatura QC	
5)	001_1_E	1"-DM-001-01SS-E	123A90-FDL-PP-DI-00001-01		SS	3,70	Rilasciato Verniciatura QC	
6)	020_1_A	1"-N-028-03HSS-N	123A90-FDL-PP-DI-00020-01		SS	4,20	Rilasciato Verniciatura QC	6A - 9002
7)	027_1_B	1"-WW-038-01CS-H	123A90-FDL-PP-DI-00027-01		CS	3,90	Rilasciato Verniciatura QC	1D - N/A
8)	032_1_D	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	3,30	Rilasciato Verniciatura QC	1D - N/A
9)	035_1_A	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	3,00	Rilasciato Verniciatura QC	1 - 9002
10)	036_1_A	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	7,30	Rilasciato Verniciatura QC	
11)	036_1_B	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	15,50	Rilasciato Verniciatura QC	6A - 9002
12)	036_1_C	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-01		SS	41,40	Rilasciato Verniciatura QC	
13)	036_2_D	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-02		SS	50,60	Rilasciato Verniciatura QC	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (37)

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	036_2_E	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-02		SS	28,70	Rilasciato Verniciatura QC	
15)	036_3_H	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	22,30	Rilasciato Verniciatura QC	
16)	036_3_I	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-03		SS	31,70	Rilasciato Verniciatura QC	
17)	036_4_F	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-04		SS	22,60	Rilasciato Verniciatura QC	6A - P002
18)	036_6_N	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	16,40	Rilasciato Verniciatura QC	
19)	036_7_Q	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-07		SS	19,20	Rilasciato Verniciatura QC	
20)	036_8_S	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-08		SS	14,20	Rilasciato Verniciatura QC	
21)	044_1_C	10"-VL-123-01HSS-N	123A90-FDL-PP-DI-00044-01		SS	142,10	Rilasciato Verniciatura QC	6A - P002
22)	062_2_E	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	19,10	Rilasciato Verniciatura QC	1 - P002
23)	062_2_F	1"-N-151-01CS-N	123A90-FDL-PP-DI-00062-02		CS	4,70	Rilasciato Verniciatura QC	
24)	065_1_A	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	3,70	Rilasciato Verniciatura QC	6A - P002
25)	065_1_C	1"-N-154-01HSS-N	123A90-FDL-PP-DI-00065-01		SS	7,60	Rilasciato Verniciatura QC	
26)	097_1_A	1-1/2"-N-197-01CS-N	123A90-FDL-PP-DI-00097-01		CS	3,20	Rilasciato Verniciatura QC	1 - P002

EMANUELE ZAFFI ISO 9001 CERTIFICATE N° FRS 476 GRUPPO PIOMBONI

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3557
Del: 11/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (37)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	102_1_A	1-1/2"-IA-204-01SS-N	123A90-FDL-PP-DI-00102-01		SS	12,10	Rilasciato Verniciatura QC	6A - 9002
28)	107_1_A	1"-IA-209-01SS-N	123A90-FDL-PP-DI-00107-01		SS	5,90	Rilasciato Verniciatura QC	6A - 9002
29)	109_1_A	1"-IA-211-01SS-N	123A90-FDL-PP-DI-00109-01		SS	1,40	Rilasciato Verniciatura QC	6A - 9002
30)	113_1_B	1"-IA-215-01SS-N	123A90-FDL-PP-DI-00113-01		SS	7,40	Rilasciato Verniciatura QC	6A - 9002
31)	127_2_D	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	8,70	Rilasciato Verniciatura QC	6A - 9002
32)	030_3_F	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	3,30	Rilasciato Verniciatura QC	HOOK-UP 004
33)	030_3_H	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	4,60	Rilasciato Verniciatura QC	HOOK-UP 004
34)	033_1_B	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,50	Rilasciato Verniciatura QC	HOOK-UP 001
35)	033_1_F	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,10	Rilasciato Verniciatura QC	HOOK-UP 001
36)	033_1_G	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,70	Rilasciato Verniciatura QC	HOOK-UP 001
37)	033_1_H	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	2,50	Rilasciato Verniciatura QC	HOOK-UP 001

1D - N/A

1D - N/A

EMANUELE ZAFFI CERTIFICATO 8011

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 010	Pages: 1 of 4
Item description: See List Item nr 3574	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 14/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3574

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3		Surface degreasing: SSPC- SP 1	
Abrasive type & mesh: Metallic Grit GH 50		Anchor Profile recorded [µm]: Medium G according to ISO 8503	
Steel Surface cleanliness: ISO 8501-1 SA 2.5		Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12
Dust test assessment: ISO 8502-3 ATT # 1			Max acceptable value: 20

Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	08/10/2024 8.00	18	68	12.02	18
	08/10/2024 12.00	24	61	16.02	24

Coating System Nº 1	Paint manufacturer: JOTUN				REMARKS
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80S	PENGUARD	HARDTOP XP		
Batch number Part A:	3432859-1-*-1:2	3431380-1-*-1:2	3606677-1		
Expiration date:	12/03/2026	22/02/2026	12/08/2028		
Batch number Part B:	3437130-1-*-1:2	3437147-1-*-1:2	3520081-1-*1:2		
Expiration date:	10/04/2026	27/02/2026	20/05/2028		
Color:	GREY	OFF WHITE	RAL9002		
Application method:	AIRLESS	AIRLESS	AIRLESS		
Application date:	08/10/24	10/10/24	11/10/24		
Start / Stop time:	12.00 / 16.00	8.00 / 12.00	8.00 / 12.00		
Air temperature:	24 / 24	19 / 19	18 / 18		NOTES
Surface temperature:	24 / 24	19 / 19	18 / 18		
Dew point:	16.02 / 16.02	11.81 / 10.82	11.10 / 10.38		
Relative humidity:	61 / 61	63 / 59	64 / 61		
Wet film thickness:	100	260	100		
DFT Min/Max/Av [µm]:	62/79/67	257/312/298	315/410/360		
Inspection date & time:	10/10/24	11/10/24	14/10/24		

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing: N.A.
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35746	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 10	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

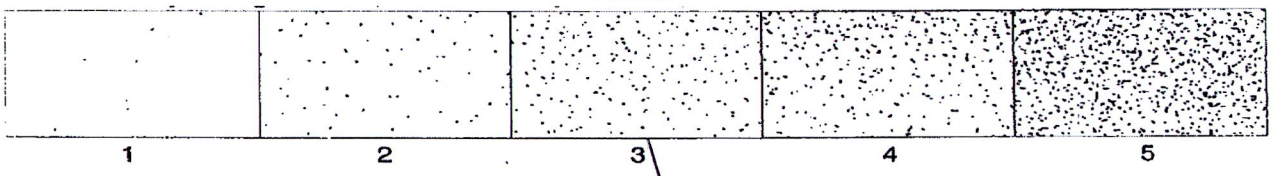
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE# 35744	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3574
Del: 14/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (16)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes	
1)	027_1_A	1"-WW-038-01CS-H	123A90-FDL-PP-DI-00027-01		CS	3,00	Rilasciato Pref. QC	1D - H/A	
2)	029_1_A	1"-SWR-045-01CS-H	123A90-FDL-PP-DI-00029-01		CS	6,80	Rilasciato Pref. QC	1D - H/A	
3)	031_3_G	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-03		HU-C	5,10	Rilasciato Pref. QC	HOOK-UP 005	1D - H/A
4)	032_1_C	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	38,40	Rilasciato Pref. QC	1D - H/A	
5)	100_1_A	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	4,10	Rilasciato Pref. QC	1D - H/A	
6)	100_1_D	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	5,00	Rilasciato Pref. QC		
7)	100_2_F	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-02		CS	16,70	Rilasciato Pref. QC		
8)	100_2_G	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-02		CS	15,90	Rilasciato Pref. QC		
9)	114_1_A	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	1,70	Rilasciato Pref. QC	1 - 9002	
10)	114_1_D	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	2,10	Rilasciato Pref. QC		
11)	124_1_A	1"-WW-260-01CS-E	123A90-FDL-PP-DI-00124-01		CS	4,20	Rilasciato Pref. QC	1D - H/A	
12)	124_1_B	1"-WW-260-01CS-E	123A90-FDL-PP-DI-00124-01		CS	3,70	Rilasciato Pref. QC		
13)	033_1_A	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	15,50	Rilasciato Pref. QC	HOOK-UP 001	1D - H/A

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

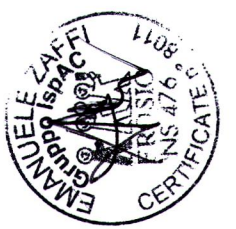
Crosswind

ELENCO ITEM IN TRASFERIMENTO (16)

Lista No. 3574
Del: 14/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	**033_1_C**	**1"-WW-081-01CS-H**	**123A90-FDL-PP-DI-00033-01**		**HU-C**	**18,70**	Rilasciato Pref. QC	**HOOK-UP 001**
15)	**033_1_D**	**1"-WW-081-01CS-H**	**123A90-FDL-PP-DI-00033-01**		**HU-C**	**14,40**	Rilasciato Pref. QC	**HOOK-UP 001**
16)	**033_1_E**	**1"-WW-081-01CS-H**	**123A90-FDL-PP-DI-00033-01**		**HU-C**	**3,30**	Rilasciato Pref. QC	**HOOK-UP 001**

1D - H/A



TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 011	Pages: 1 of 4
Item description: See List Item nr 3574	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 14/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3574

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3		Surface degreasing: SSPC SP1	
Abrasive type & mesh: garnet		Anchor Profile recorded [µm]: 25 -85	
Steel Surface cleanliness: ISO 8501-1 SA 2.5		Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 13
Dust test assessment: ISO 8502-3 ATT # 1			Max acceptable value: 20

Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	08/10/2024 8.00	18	68	12.02	18
	08/10/2024 12.00	24	61	16.02	24

Coating System Nº 1D	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	EPOXY HR ALLUMINIUM		EPOXY HR GREY						
Batch number Part A:	3545389-1		3549393-1						
Expiration date:	12/06/2026		17/06/2026						
Batch number Part B:	3446829-1		3446829-1						
Expiration date:	07/03/2026		07/03/2026						
Color:	ALLUMIUM		GREY						
Application method:	AIRLESS		AIRLESS						
Application date:	08/10/24		10/10/24						
Start / Stop time:	12.00	16.00	8.00	12.00					
Air temperature:	24	24	19	19					NOTES
Surface temperature:	24	24	19	19					
Dew point:	16.02	16.02	11.81	10.82					
Relative humidity:	61	61	63	59					
Wet film thickness:	200		200						
DFT Min/Max/Av [µm]:	137/210/154		261/294/275						
Inspection date & time:	10/10/24		14/10/24						

Holiday testing: Performed ☐ Not Performed ☒
Result: OK ☐ Not OK ☐

Adhesion testing:

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

EMANUELE ZAFFI Group Leader PROMO PML NS #6 CERTIFICATE n° 8011

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 11	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

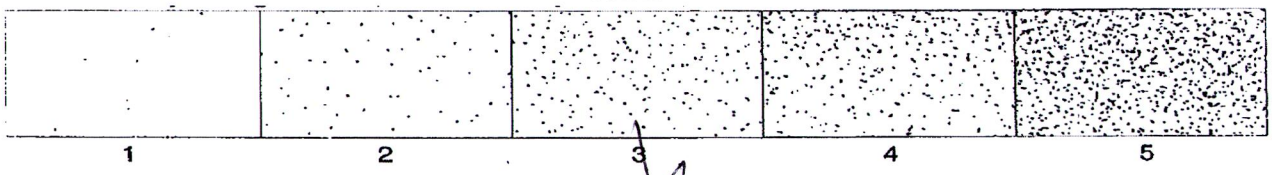
'VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA *Michele Sacchi* Quality Control Dept.	
Sign			

EMANUELE ZAFFI ... CERTIFICATO N. ... NACE #35744

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3574
Del: 14/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (16)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes	
1)	027_1_A	1"-WW-038-01CS-H	123A90-FDL-PP-DI-00027-01		CS	3,00	Rilasciato Pref. QC	1D - H/A	
2)	029_1_A	1"-SWR-045-01CS-H	123A90-FDL-PP-DI-00029-01		CS	6,80	Rilasciato Pref. QC	1D - H/A	
3)	031_3_G	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-03		HU-C	5,10	Rilasciato Pref. QC	HOOK-UP 005	1D - H/A
4)	032_1_C	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	38,40	Rilasciato Pref. QC	1D - H/A	
5)	100_1_A	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	4,10	Rilasciato Pref. QC	1D - H/A	
6)	100_1_D	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	5,00	Rilasciato Pref. QC		
7)	100_2_F	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-02		CS	16,70	Rilasciato Pref. QC		
8)	100_2_G	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-02		CS	15,90	Rilasciato Pref. QC		
9)	114_1_A	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	1,70	Rilasciato Pref. QC	1 - P002	
10)	114_1_D	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	2,10	Rilasciato Pref. QC		
11)	124_1_A	1"-WW-260-01CS-E	123A90-FDL-PP-DI-00124-01		CS	4,20	Rilasciato Pref. QC	1D - H/A	
12)	124_1_B	1"-WW-260-01CS-E	123A90-FDL-PP-DI-00124-01		CS	3,70	Rilasciato Pref. QC		
13)	033_1_A	1"-WW-081-01CS-H	123A90-FDL-PP-DI-00033-01		HU-C	15,50	Rilasciato Pref. QC	HOOK-UP 001	1D - H/A

EMANUELE CAUDO CERTIFICATE

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (16)

Lista No. 3574
Del: 14/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	**033_1_C**	**1"-WW-081-01CS-H**	**123A90-FDL-PP-DI-00033-01**		**HU-C**	**18,70**	Rilasciato Pref. QC	**HOOK-UP 001**
15)	**033_1_D**	**1"-WW-081-01CS-H**	**123A90-FDL-PP-DI-00033-01**		**HU-C**	**14,40**	Rilasciato Pref. QC	**HOOK-UP 001**
16)	**033_1_E**	**1"-WW-081-01CS-H**	**123A90-FDL-PP-DI-00033-01**		**HU-C**	**3,30**	Rilasciato Pref. QC	**HOOK-UP 001**

1D - H/A

EMANUELE ZAFFI ... CERTIFICATE n° 801

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 012	Pages: 1 of 9
Item description: See List Item nr 3617	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 21/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3617

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC- SP 1		
Abrasive type & mesh: Metallic Grit GH 50			Anchor Profile recorded [µm]: Medium G according to ISO 8503		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	15/10/2024 8.00	18	65	11.33	18
	15/10/2024 12.00	18	59	9.89	18

Coating System Nº 1	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	BARRIER 80S		PENGUARD		HARDTOP XP				
Batch number Part A:	3432859-1-*-1:2		3431380-1-*-1:2		3674054-1				
Expiration date:	12/03/2026		22/02/2026		15/10/2028				
Batch number Part B:	3437130-1-*-1:2		3437147-1-*-1:2		3674950-1-*				
Expiration date:	10/04/2026		27/02/2026		10/10/2028				
Color:	GREY		OFF WHITE		RAL9002				
Application method:	AIRLESS		AIRLESS		AIRLESS				
Application date:	15/10/24		16/10/24		18/10/24				
Start / Stop time:	12.00	16.00	8.00	12.00	8.00	12.00			
Air temperature:	18	18	18	18	18	19			NOTES
Surface temperature:	18	18	18	18	18	19			
Dew point:	9.89	10.63	8.85	9.37	9.11	10.82			
Relative humidity:	59	62	55	57	56	59			
Wet film thickness:	100		260		100				
DFT Min/Max/Av [µm]:	67/91/71		264/310/274		310/394/327				
Inspection date & time:	16/10/24		18/10/24		21/10/24				

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing: N.A.
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE# 35744	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 12	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

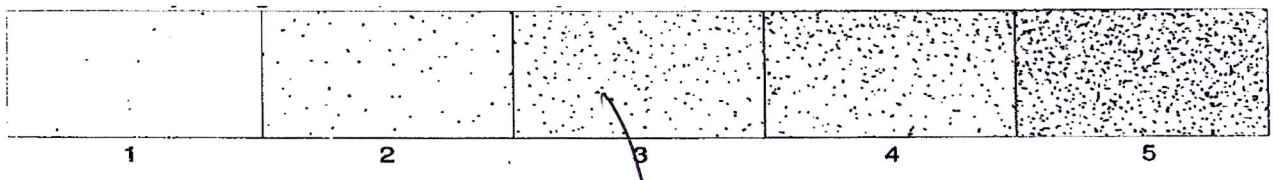
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☐ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE# 35746	

CERTIFICATE n° 8011

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	002_1_A	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-01		SS	13,20	Rilasciato Verniciatura QC	6A - P002
2)	002_1_C	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-01		SS	18,40	Rilasciato Verniciatura QC	
3)	003_1_A	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	7,10	Rilasciato Verniciatura QC	1D - N/A
4)	003_1_B	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	27,80	Rilasciato Verniciatura QC	
5)	003_1_D	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	28,60	Rilasciato Verniciatura QC	
6)	003_2_F	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	26,10	Rilasciato Verniciatura QC	
7)	003_2_G	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	5,80	Rilasciato Verniciatura QC	
8)	004_1_B	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	9,70	Rilasciato Verniciatura QC	1D - N/A
9)	004_1_D	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	3,70	Rilasciato Verniciatura QC	
10)	006_1_A	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	50,50	Rilasciato Verniciatura QC	6A - P002
11)	006_1_B	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	17,10	Rilasciato Verniciatura QC	
12)	006_1_C	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	29,90	Rilasciato Verniciatura QC	
13)	007_1_B	1"-DI-012-01CS-H	123A90-FDL-PP-DI-00007-01		CS	29,90	Rilasciato Verniciatura QC	1D - N/A

EMANUELE ZAFFI ... CERTIFICATE n° 3071

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	007_1_C	1"-DI-012-01CS-H	123A90-FDL-PP-DI-00007-01		CS	3,30	Rilasciato Verniciatura QC	1D - N/A
15)	008_1_A	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	4,70	Rilasciato Verniciatura QC	6A - P002
16)	008_1_C	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	10,90	Rilasciato Verniciatura QC	
17)	008_1_D	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	4,10	Rilasciato Verniciatura QC	
18)	015_1_A	2"-VL-022-01HSS-N	123A90-FDL-PP-DI-00015-01		SS	6,00	Rilasciato Verniciatura QC	6A - P002
19)	015_1_B	2"-VL-022-01HSS-N	123A90-FDL-PP-DI-00015-01		SS	4,80	Rilasciato Verniciatura QC	
20)	018_1_B	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	15,90	Rilasciato Verniciatura QC	6A - P002
21)	018_1_C	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	35,10	Rilasciato Verniciatura QC	
22)	030_1_A	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-01		CS	4,60	Rilasciato Verniciatura QC	1D - N/A
23)	030_1_B	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-01		CS	23,20	Rilasciato Verniciatura QC	
24)	030_2_C	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	16,00	Rilasciato Verniciatura QC	
25)	030_2_D	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	23,30	Rilasciato Verniciatura QC	
26)	030_2_E	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	18,70	Rilasciato Verniciatura QC	

EMANUELE ZAFFI ISPAC 8071 CERTIFICATE

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	031_1_C	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-01		CS	35,30	Rilasciato Verniciatura QC	1D - N/A
28)	031_2_E	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-02		CS	2,30	Rilasciato Verniciatura QC	
29)	032_1_A	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	4,70	Rilasciato Verniciatura QC	1D - N/A
30)	032_1_B	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	5,60	Rilasciato Verniciatura QC	
31)	035_1_B	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	4,00	Rilasciato Verniciatura QC	1 - P002
32)	035_1_C	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	3,60	Rilasciato Verniciatura QC	
33)	036_5_K	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-05		SS	50,00	Rilasciato Verniciatura QC	6A - P002
34)	036_6_M	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	20,40	Rilasciato Verniciatura QC	
35)	037_1_A	4"-VL-111-01HSS-N	123A90-FDL-PP-DI-00037-01		SS	16,70	Rilasciato Verniciatura QC	6A - P002
36)	037_1_B	4"-VL-111-01HSS-N	123A90-FDL-PP-DI-00037-01		SS	15,50	Rilasciato Verniciatura QC	
37)	038_1_A	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	16,70	Rilasciato Verniciatura QC	6A - P002
38)	038_1_B	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	15,20	Rilasciato Verniciatura QC	
39)	038_1_C	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	36,70	Rilasciato Verniciatura QC	

EMANUELE ZAFFI Gruppo SAC CERTIFICATE 8011 FRISTO ENS 476

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	039_1_A	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	16,70	Rilasciato Verniciatura QC	
41)	039_1_B	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	15,20	Rilasciato Verniciatura QC	6A - P002
42)	039_1_C	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	36,70	Rilasciato Verniciatura QC	
43)	040_1_A	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	16,70	Rilasciato Verniciatura QC	
44)	040_1_B	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	15,50	Rilasciato Verniciatura QC	6A - P002
45)	040_1_C	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	36,70	Rilasciato Verniciatura QC	
46)	041_1_A	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	17,70	Rilasciato Verniciatura QC	
47)	041_1_B	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	15,80	Rilasciato Verniciatura QC	6A - P002
48)	041_1_C	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	37,60	Rilasciato Verniciatura QC	
49)	043_1_B	10"-VL-117-01HSS-N	123A90-FDL-PP-DI-00043-01		SS	146,10	Rilasciato Verniciatura QC	6A - P002
50)	044_1_B	10"-VL-123-01HSS-N	123A90-FDL-PP-DI-00044-01		SS	200,00	Rilasciato Verniciatura QC	6A - P002
51)	047_1_A	1"-N-126-03HSS-N	123A90-FDL-PP-DI-00047-01		SS	4,60	Rilasciato Verniciatura QC	6A - P002
52)	049_1_A	1"-N-128-03HSS-N	123A90-FDL-PP-DI-00049-01		SS	4,60	Rilasciato Verniciatura QC	6A - P002

EMANUELE ZAFFI Gruppo IsoCAM CERTIFICATE 9011

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
53)	058_1_A	6"-VL-145-01HSS-N	123A90-FDL-PP-DI-00058-01		SS	36,50	Rilasciato Verniciatura QC	6A - P002
54)	058_1_B	6"-VL-145-01HSS-N	123A90-FDL-PP-DI-00058-01		SS	25,50	Rilasciato Verniciatura QC	
55)	066_1_A	1"-N-158-01CS-N	123A90-FDL-PP-DI-00066-01		CS	6,50	Rilasciato Verniciatura QC	1 - P002
56)	066_1_B	1"-N-158-01CS-N	123A90-FDL-PP-DI-00066-01		CS	6,70	Rilasciato Verniciatura QC	
57)	073_1_A	6"-VL-168-01HSS-N	123A90-FDL-PP-DI-00073-01		SS	35,90	Rilasciato Verniciatura QC	6A - P002
58)	073_1_B	6"-VL-168-01HSS-N	123A90-FDL-PP-DI-00073-01		SS	25,50	Rilasciato Verniciatura QC	
59)	081_1_A	6"-VL-176-01HSS-N	123A90-FDL-PP-DI-00081-01		SS	35,40	Rilasciato Verniciatura QC	6A - P002
60)	081_1_B	6"-VL-176-01HSS-N	123A90-FDL-PP-DI-00081-01		SS	25,50	Rilasciato Verniciatura QC	
61)	085_1_A	6"-VL-181-01HSS-N	123A90-FDL-PP-DI-00085-01		SS	35,90	Rilasciato Verniciatura QC	6A - P002
62)	089_1_A	6"-VL-185-01HSS-N	123A90-FDL-PP-DI-00089-01		SS	36,50	Rilasciato Verniciatura QC	6A - P002
63)	089_1_B	6"-VL-185-01HSS-N	123A90-FDL-PP-DI-00089-01		SS	23,40	Rilasciato Verniciatura QC	
64)	097_1_B	1-1/2"-N-197-01CS-N	123A90-FDL-PP-DI-00097-01		CS	4,40	Rilasciato Verniciatura QC	1 - P002
65)	100_1_B	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	2,70	Rilasciato Verniciatura QC	1D - N/A

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
66)	100_1_C	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	9,00	Rilasciato Verniciatura QC	1D - N/A
67)	114_1_C	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	7,20	Rilasciato Verniciatura QC	1 - 9002
68)	120_1_A	2"-AV-224-01CS-N	123A90-FDL-PP-DI-00120-01		CS	14,80	Rilasciato Verniciatura QC	1 - 9002
69)	122_1_A	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-01		SS	13,80	Rilasciato Verniciatura QC	6A - 9002
70)	122_1_B	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-01		SS	21,20	Rilasciato Verniciatura QC	
71)	126_1_A	1"-N-262-01CS-N	123A90-FDL-PP-DI-00126-01		CS	5,20	Rilasciato Verniciatura QC	1 - 9002
72)	127_2_E	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	4,10	Rilasciato Verniciatura QC	6A - 9002
73)	018_1_A	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	15,10	Rilasciato Verniciatura QC	6A - 9002
74)	030_3_G	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	11,50	Rilasciato Verniciatura QC	HOOK-UP 004 1D - N/A
75)	074_1_A	1"-HY-169-03HSS-N	123A90-FDL-PP-DI-00074-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
76)	074_2_B	1"-HY-169-03HSS-N	123A90-FDL-PP-DI-00074-02		SS	3,60	Rilasciato Verniciatura QC	
77)	078_1_A	1"-HY-173-03HSS-N	123A90-FDL-PP-DI-00078-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
78)	078_2_B	1"-HY-173-03HSS-N	123A90-FDL-PP-DI-00078-02		SS	3,60	Rilasciato Verniciatura QC	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
79)	**082_1_A**	**1"-HY-178-03HSS-N**	**123A90-FDL-PP-DI-00082-01**		**SS**	**3,60**	Rilasciato Verniciatura QC	6A - P002
80)	**082_2_B**	**1"-HY-178-03HSS-N**	**123A90-FDL-PP-DI-00082-02**		**SS**	**3,60**	Rilasciato Verniciatura QC	
81)	**099_1_A**	**3"-WW-201-01CS-H**	**123A90-FDL-PP-DI-00099-01**		**CS**	**11,00**	Rilasciato Verniciatura QC	1D - H1A
82)	**121_1_A**	**2"-AV-256-01CS-N**	**123A90-FDL-PP-DI-00121-01**		**HU-C**	**9,50**	Rilasciato Verniciatura QC	**HOOK-UP 002** 1 - P002

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 013	Pages: 1 of 9
Item description: See List Item nr 3617	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 21/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3617

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	15/10/2024 8.00	18	65	11.33	18
	15/10/2024 12.00	18	59	9.89	18

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3674054-1				
Expiration date:	25/10/2026		22/02/2026		15/10/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3674950-1				
Expiration date:	11/09/2028		27/02/2026		10/10/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLLESS		AIRLESS		AIRLESS				
Application date:	15/10/24		16/10/24		18/10/24				
Start / Stop time:	12.00	16.00	8.00	12.00	8.00	12.00			
Air temperature:	18	18	18	18	18	19			NOTES
Surface temperature:	18	18	18	18	18	19			
Dew point:	9.89	10.63	8.85	9.37	9.11	10.82			
Relative humidity:	59	62	55	57	56	59			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	57/90/67		164/195/171		215/294/234				
Inspection date & time:	16/10/24		18/10/24		21/10/24				

Holiday testing: Performed ☐ Not Performed ☒
Result: OK ☐ Not OK ☐

Adhesion testing:

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE# 35746	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**
Att # 1 PAR 13	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

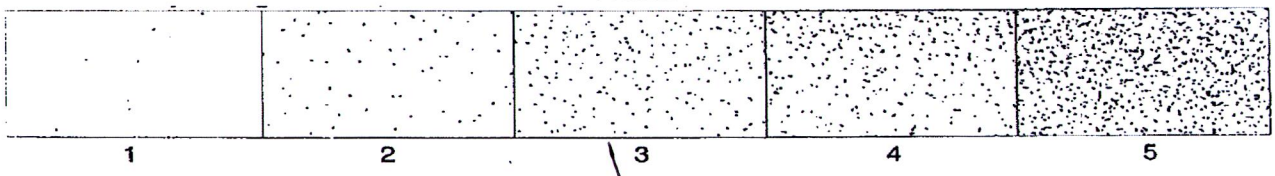
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☐ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign			

CERTIFICATE n° 8541

NACE # 35746

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (82)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	002_1_A	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-01		SS	13,20	Rilasciato Verniciatura QC	6A - 9002
2)	002_1_C	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-01		SS	18,40	Rilasciato Verniciatura QC	
3)	003_1_A	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	7,10	Rilasciato Verniciatura QC	1D - N/A
4)	003_1_B	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	27,80	Rilasciato Verniciatura QC	
5)	003_1_D	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	28,60	Rilasciato Verniciatura QC	
6)	003_2_F	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	26,10	Rilasciato Verniciatura QC	
7)	003_2_G	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	5,80	Rilasciato Verniciatura QC	
8)	004_1_B	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	9,70	Rilasciato Verniciatura QC	1D - N/A
9)	004_1_D	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	3,70	Rilasciato Verniciatura QC	
10)	006_1_A	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	50,50	Rilasciato Verniciatura QC	6A - 9002
11)	006_1_B	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	17,10	Rilasciato Verniciatura QC	
12)	006_1_C	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	29,90	Rilasciato Verniciatura QC	
13)	007_1_B	1"-DI-012-01CS-H	123A90-FDL-PP-DI-00007-01		CS	29,90	Rilasciato Verniciatura QC	1D - N/A

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	007_1_C	1"-DI-012-01CS-H	123A90-FDL-PP-DI-00007-01		CS	3,30	Rilasciato Verniciatura QC	1D - N/A
15)	008_1_A	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	4,70	Rilasciato Verniciatura QC	6A - 9002
16)	008_1_C	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	10,90	Rilasciato Verniciatura QC	
17)	008_1_D	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	4,10	Rilasciato Verniciatura QC	
18)	015_1_A	2"-VL-022-01HSS-N	123A90-FDL-PP-DI-00015-01		SS	6,00	Rilasciato Verniciatura QC	6A - 9002
19)	015_1_B	2"-VL-022-01HSS-N	123A90-FDL-PP-DI-00015-01		SS	4,80	Rilasciato Verniciatura QC	
20)	018_1_B	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	15,90	Rilasciato Verniciatura QC	6A - 9002
21)	018_1_C	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	35,10	Rilasciato Verniciatura QC	
22)	030_1_A	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-01		CS	4,60	Rilasciato Verniciatura QC	1D - N/A
23)	030_1_B	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-01		CS	23,20	Rilasciato Verniciatura QC	
24)	030_2_C	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	16,00	Rilasciato Verniciatura QC	
25)	030_2_D	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	23,30	Rilasciato Verniciatura QC	
26)	030_2_E	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	18,70	Rilasciato Verniciatura QC	

ROSETTI MARINO
Group of Companies

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Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	031_1_C	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-01		CS	35,30	Rilasciato Verniciatura QC	1D - N/A
28)	031_2_E	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-02		CS	2,30	Rilasciato Verniciatura QC	
29)	032_1_A	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	4,70	Rilasciato Verniciatura QC	1D - N/A
30)	032_1_B	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	5,60	Rilasciato Verniciatura QC	
31)	035_1_B	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	4,00	Rilasciato Verniciatura QC	1 - P002
32)	035_1_C	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	3,60	Rilasciato Verniciatura QC	
33)	036_5_K	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-05		SS	50,00	Rilasciato Verniciatura QC	6A - P002
34)	036_6_M	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	20,40	Rilasciato Verniciatura QC	
35)	037_1_A	4"-VL-111-01HSS-N	123A90-FDL-PP-DI-00037-01		SS	16,70	Rilasciato Verniciatura QC	6A - P002
36)	037_1_B	4"-VL-111-01HSS-N	123A90-FDL-PP-DI-00037-01		SS	15,50	Rilasciato Verniciatura QC	
37)	038_1_A	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	16,70	Rilasciato Verniciatura QC	6A - P002
38)	038_1_B	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	15,20	Rilasciato Verniciatura QC	
39)	038_1_C	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	36,70	Rilasciato Verniciatura QC	

EMANUELE ZAFFI Grupppo Isd4 FRS 476 n° 8011 CERTIFICATE

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	039_1_A	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	16,70	Rilasciato Verniciatura QC	
41)	039_1_B	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	15,20	Rilasciato Verniciatura QC	6A - 9002
42)	039_1_C	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	36,70	Rilasciato Verniciatura QC	
43)	040_1_A	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	16,70	Rilasciato Verniciatura QC	
44)	040_1_B	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	15,50	Rilasciato Verniciatura QC	6A - 9002
45)	040_1_C	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	36,70	Rilasciato Verniciatura QC	
46)	041_1_A	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	17,70	Rilasciato Verniciatura QC	
47)	041_1_B	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	15,80	Rilasciato Verniciatura QC	6A - 9002
48)	041_1_C	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	37,60	Rilasciato Verniciatura QC	
49)	043_1_B	10"-VL-117-01HSS-N	123A90-FDL-PP-DI-00043-01		SS	146,10	Rilasciato Verniciatura QC	6A - 9002
50)	044_1_B	10"-VL-123-01HSS-N	123A90-FDL-PP-DI-00044-01		SS	200,00	Rilasciato Verniciatura QC	6A - 9002
51)	047_1_A	1"-N-126-03HSS-N	123A90-FDL-PP-DI-00047-01		SS	4,60	Rilasciato Verniciatura QC	6A - 9002
52)	049_1_A	1"-N-128-03HSS-N	123A90-FDL-PP-DI-00049-01		SS	4,60	Rilasciato Verniciatura QC	6A - 9002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
53)	058_1_A	6"-VL-145-01HSS-N	123A90-FDL-PP-DI-00058-01		SS	36,50	Rilasciato Verniciatura QC	6A - P002
54)	058_1_B	6"-VL-145-01HSS-N	123A90-FDL-PP-DI-00058-01		SS	25,50	Rilasciato Verniciatura QC	
55)	066_1_A	1"-N-158-01CS-N	123A90-FDL-PP-DI-00066-01		CS	6,50	Rilasciato Verniciatura QC	1 - P002
56)	066_1_B	1"-N-158-01CS-N	123A90-FDL-PP-DI-00066-01		CS	6,70	Rilasciato Verniciatura QC	
57)	073_1_A	6"-VL-168-01HSS-N	123A90-FDL-PP-DI-00073-01		SS	35,90	Rilasciato Verniciatura QC	6A - P002
58)	073_1_B	6"-VL-168-01HSS-N	123A90-FDL-PP-DI-00073-01		SS	25,50	Rilasciato Verniciatura QC	
59)	081_1_A	6"-VL-176-01HSS-N	123A90-FDL-PP-DI-00081-01		SS	35,40	Rilasciato Verniciatura QC	6A - P002
60)	081_1_B	6"-VL-176-01HSS-N	123A90-FDL-PP-DI-00081-01		SS	25,50	Rilasciato Verniciatura QC	
61)	085_1_A	6"-VL-181-01HSS-N	123A90-FDL-PP-DI-00085-01		SS	35,90	Rilasciato Verniciatura QC	6A - P002
62)	089_1_A	6"-VL-185-01HSS-N	123A90-FDL-PP-DI-00089-01		SS	36,50	Rilasciato Verniciatura QC	6A - P002
63)	089_1_B	6"-VL-185-01HSS-N	123A90-FDL-PP-DI-00089-01		SS	23,40	Rilasciato Verniciatura QC	
64)	097_1_B	1-1/2"-N-197-01CS-N	123A90-FDL-PP-DI-00097-01		CS	4,40	Rilasciato Verniciatura QC	1 - P002
65)	100_1_B	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	2,70	Rilasciato Verniciatura QC	1D - N/A

EMANUELE ZAFFI Gruppo IsoCert 8011 CERTIFICATE

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
66)	100_1_C	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	9,00	Rilasciato Verniciatura QC	1D - N/A
67)	114_1_C	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	7,20	Rilasciato Verniciatura QC	1 - 9002
68)	120_1_A	2"-AV-224-01CS-N	123A90-FDL-PP-DI-00120-01		CS	14,80	Rilasciato Verniciatura QC	1 - 9002
69)	122_1_A	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-01		SS	13,80	Rilasciato Verniciatura QC	6A - 9002
70)	122_1_B	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-01		SS	21,20	Rilasciato Verniciatura QC	
71)	126_1_A	1"-N-262-01CS-N	123A90-FDL-PP-DI-00126-01		CS	5,20	Rilasciato Verniciatura QC	1 - 9002
72)	127_2_E	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	4,10	Rilasciato Verniciatura QC	6A - 9002
73)	018_1_A	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	15,10	Rilasciato Verniciatura QC	6A - 9002
74)	030_3_G	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	11,50	Rilasciato Verniciatura QC	HOOK-UP 004 1D - N/A
75)	074_1_A	1"-HY-169-03HSS-N	123A90-FDL-PP-DI-00074-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
76)	074_2_B	1"-HY-169-03HSS-N	123A90-FDL-PP-DI-00074-02		SS	3,60	Rilasciato Verniciatura QC	
77)	078_1_A	1"-HY-173-03HSS-N	123A90-FDL-PP-DI-00078-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
78)	078_2_B	1"-HY-173-03HSS-N	123A90-FDL-PP-DI-00078-02		SS	3,60	Rilasciato Verniciatura QC	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
79)	082_1_A	1"-HY-178-03HSS-N	123A90-FDL-PP-DI-00082-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
80)	082_2_B	1"-HY-178-03HSS-N	123A90-FDL-PP-DI-00082-02		SS	3,60	Rilasciato Verniciatura QC	
81)	099_1_A	3"-WW-201-01CS-H	123A90-FDL-PP-DI-00099-01		CS	11,00	Rilasciato Verniciatura QC	1D - H1A
82)	121_1_A	2"-AV-256-01CS-N	123A90-FDL-PP-DI-00121-01		HU-C	9,50	Rilasciato Verniciatura QC	HOOK-UP 002 1 - 9002

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 014	Pages: 1 of 9
Item description: See List Item nr 3617	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 21/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3617

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 13	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	15/10/2024 8.00	18	65	11.33	18
	15/10/2024 12.00	18	59	9.89	18

Coating System Nº 1D	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	EPOXY HR ALLUMINIUM		EPOXY HR GREY						
Batch number Part A:	3545389-1		3549393-1						
Expiration date:	12/06/2026		17/06/2026						
Batch number Part B:	3446829-1		3446829-1						
Expiration date:	07/03/2026		07/03/2026						
Color:	ALLUMIUM		GREY						
Application method:	AIRLESS		AIRLESS						
Application date:	15/10/24		16/10/24						
Start / Stop time:	12.00	16.00	8.00	12.00					
Air temperature:	18	18	18	18					NOTES
Surface temperature:	18	18	18	18					
Dew point:	9.89	10.63	8.85	9.37					
Relative humidity:	59	62	55	57					
Wet film thickness:	200		200						
DFT Min/Max/Av [µm]:	134/178/154		289/330/295						
Inspection date & time:	16/10/24		21/10/24						

Holiday testing:	Performed ☐	Not Performed ☑	Adhesion testing:
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE# 35746	

TREZETA SERVICE Emanuele Zaffi CERTIFICATE n° 8011 IQNet IQNet CERTIFICATO IQNet CERTIFICATE n° 8011

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 14	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

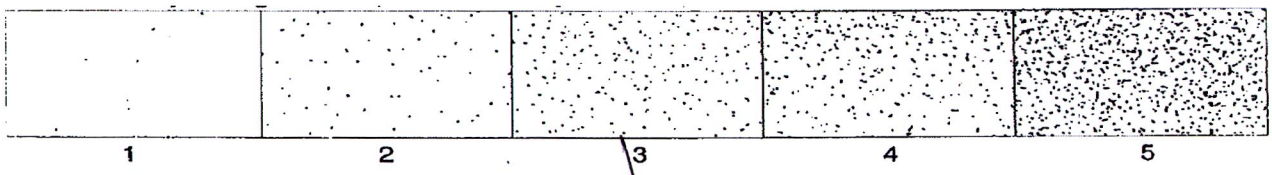
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☐ **NON CONFORME** ☐

	TREZETA S.R.L.	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35764	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	002_1_A	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-01		SS	13,20	Rilasciato Verniciatura QC	6A - P002
2)	002_1_C	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-01		SS	18,40	Rilasciato Verniciatura QC	
3)	003_1_A	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	7,10	Rilasciato Verniciatura QC	1D - N/A
4)	003_1_B	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	27,80	Rilasciato Verniciatura QC	
5)	003_1_D	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	28,60	Rilasciato Verniciatura QC	
6)	003_2_F	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	26,10	Rilasciato Verniciatura QC	
7)	003_2_G	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	5,80	Rilasciato Verniciatura QC	
8)	004_1_B	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	9,70	Rilasciato Verniciatura QC	1D - N/A
9)	004_1_D	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	3,70	Rilasciato Verniciatura QC	
10)	006_1_A	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	50,50	Rilasciato Verniciatura QC	6A - P002
11)	006_1_B	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	17,10	Rilasciato Verniciatura QC	
12)	006_1_C	6"-VL-010-01HSS-N	123A90-FDL-PP-DI-00006-01		SS	29,90	Rilasciato Verniciatura QC	
13)	007_1_B	1"-DI-012-01CS-H	123A90-FDL-PP-DI-00007-01		CS	29,90	Rilasciato Verniciatura QC	1D - N/A

ROSETTI MARINO
Group of Companies

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ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg]	Transfer Status	Eng.Notes
14)	007_1_C	1"-DI-012-01CS-H	123A90-FDL-PP-DI-00007-01		CS	3,30	Rilasciato Verniciatura QC	1D - N/A
15)	008_1_A	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	4,70	Rilasciato Verniciatura QC	6A - P002
16)	008_1_C	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	10,90	Rilasciato Verniciatura QC	
17)	008_1_D	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	4,10	Rilasciato Verniciatura QC	
18)	015_1_A	2"-VL-022-01HSS-N	123A90-FDL-PP-DI-00015-01		SS	6,00	Rilasciato Verniciatura QC	6A - P002
19)	015_1_B	2"-VL-022-01HSS-N	123A90-FDL-PP-DI-00015-01		SS	4,80	Rilasciato Verniciatura QC	
20)	018_1_B	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	15,90	Rilasciato Verniciatura QC	6A - P002
21)	018_1_C	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	35,10	Rilasciato Verniciatura QC	
22)	030_1_A	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-01		CS	4,60	Rilasciato Verniciatura QC	1D - N/A
23)	030_1_B	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-01		CS	23,20	Rilasciato Verniciatura QC	
24)	030_2_C	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	16,00	Rilasciato Verniciatura QC	
25)	030_2_D	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	23,30	Rilasciato Verniciatura QC	
26)	030_2_E	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-02		CS	18,70	Rilasciato Verniciatura QC	

EMANUELE ZAFFI Group ISO 9001 CERTIFICATE ISO 14001

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

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ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
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A: Yard Piomboni
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	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	031_1_C	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-01		CS	35,30	Rilasciato Verniciatura QC	1D - N/A
28)	031_2_E	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-02		CS	2,30	Rilasciato Verniciatura QC	
29)	032_1_A	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	4,70	Rilasciato Verniciatura QC	1D - N/A
30)	032_1_B	1"-WW-079-01CS-H	123A90-FDL-PP-DI-00032-01		CS	5,60	Rilasciato Verniciatura QC	
31)	035_1_B	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	4,00	Rilasciato Verniciatura QC	1 - P002
32)	035_1_C	1"-N-101-01CS-N	123A90-FDL-PP-DI-00035-01		CS	3,60	Rilasciato Verniciatura QC	
33)	036_5_K	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-05		SS	50,00	Rilasciato Verniciatura QC	6A - P002
34)	036_6_M	1-1/2"-IA-108-01SS-N	123A90-FDL-PP-DI-00036-06		SS	20,40	Rilasciato Verniciatura QC	
35)	037_1_A	4"-VL-111-01HSS-N	123A90-FDL-PP-DI-00037-01		SS	16,70	Rilasciato Verniciatura QC	6A - P002
36)	037_1_B	4"-VL-111-01HSS-N	123A90-FDL-PP-DI-00037-01		SS	15,50	Rilasciato Verniciatura QC	
37)	038_1_A	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	16,70	Rilasciato Verniciatura QC	6A - P002
38)	038_1_B	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	15,20	Rilasciato Verniciatura QC	
39)	038_1_C	4"-VL-112-01HSS-N	123A90-FDL-PP-DI-00038-01		SS	36,70	Rilasciato Verniciatura QC	



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Progetto : 123A90_PIP

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Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	039_1_A	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	16,70	Rilasciato Verniciatura QC	
41)	039_1_B	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	15,20	Rilasciato Verniciatura QC	6A - P002
42)	039_1_C	4"-VL-113-01HSS-N	123A90-FDL-PP-DI-00039-01		SS	36,70	Rilasciato Verniciatura QC	
43)	040_1_A	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	16,70	Rilasciato Verniciatura QC	
44)	040_1_B	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	15,50	Rilasciato Verniciatura QC	6A - P002
45)	040_1_C	4"-VL-114-01HSS-N	123A90-FDL-PP-DI-00040-01		SS	36,70	Rilasciato Verniciatura QC	
46)	041_1_A	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	17,70	Rilasciato Verniciatura QC	
47)	041_1_B	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	15,80	Rilasciato Verniciatura QC	6A - P002
48)	041_1_C	4"-VL-115-01HSS-N	123A90-FDL-PP-DI-00041-01		SS	37,60	Rilasciato Verniciatura QC	
49)	043_1_B	10"-VL-117-01HSS-N	123A90-FDL-PP-DI-00043-01		SS	146,10	Rilasciato Verniciatura QC	6A - P002
50)	044_1_B	10"-VL-123-01HSS-N	123A90-FDL-PP-DI-00044-01		SS	200,00	Rilasciato Verniciatura QC	6A - P002
51)	047_1_A	1"-N-126-03HSS-N	123A90-FDL-PP-DI-00047-01		SS	4,60	Rilasciato Verniciatura QC	6A - P002
52)	049_1_A	1"-N-128-03HSS-N	123A90-FDL-PP-DI-00049-01		SS	4,60	Rilasciato Verniciatura QC	6A - P002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
53)	058_1_A	6"-VL-145-01HSS-N	123A90-FDL-PP-DI-00058-01		SS	36,50	Rilasciato Verniciatura QC	6A - P002
54)	058_1_B	6"-VL-145-01HSS-N	123A90-FDL-PP-DI-00058-01		SS	25,50	Rilasciato Verniciatura QC	
55)	066_1_A	1"-N-158-01CS-N	123A90-FDL-PP-DI-00066-01		CS	6,50	Rilasciato Verniciatura QC	1 - P002
56)	066_1_B	1"-N-158-01CS-N	123A90-FDL-PP-DI-00066-01		CS	6,70	Rilasciato Verniciatura QC	
57)	073_1_A	6"-VL-168-01HSS-N	123A90-FDL-PP-DI-00073-01		SS	35,90	Rilasciato Verniciatura QC	6A - P002
58)	073_1_B	6"-VL-168-01HSS-N	123A90-FDL-PP-DI-00073-01		SS	25,50	Rilasciato Verniciatura QC	
59)	081_1_A	6"-VL-176-01HSS-N	123A90-FDL-PP-DI-00081-01		SS	35,40	Rilasciato Verniciatura QC	6A - P002
60)	081_1_B	6"-VL-176-01HSS-N	123A90-FDL-PP-DI-00081-01		SS	25,50	Rilasciato Verniciatura QC	
61)	085_1_A	6"-VL-181-01HSS-N	123A90-FDL-PP-DI-00085-01		SS	35,90	Rilasciato Verniciatura QC	6A - P002
62)	089_1_A	6"-VL-185-01HSS-N	123A90-FDL-PP-DI-00089-01		SS	36,50	Rilasciato Verniciatura QC	6A - P002
63)	089_1_B	6"-VL-185-01HSS-N	123A90-FDL-PP-DI-00089-01		SS	23,40	Rilasciato Verniciatura QC	
64)	097_1_B	1-1/2"-N-197-01CS-N	123A90-FDL-PP-DI-00097-01		CS	4,40	Rilasciato Verniciatura QC	1 - P002
65)	100_1_B	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	2,70	Rilasciato Verniciatura QC	1D - N/A

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
66)	100_1_C	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-01		CS	9,00	Rilasciato Verniciatura QC	1D - N/A
67)	114_1_C	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	7,20	Rilasciato Verniciatura QC	1 - 9002
68)	120_1_A	2"-AV-224-01CS-N	123A90-FDL-PP-DI-00120-01		CS	14,80	Rilasciato Verniciatura QC	1 - 9002
69)	122_1_A	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-01		SS	13,80	Rilasciato Verniciatura QC	6A - 9002
70)	122_1_B	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-01		SS	21,20	Rilasciato Verniciatura QC	
71)	126_1_A	1"-N-262-01CS-N	123A90-FDL-PP-DI-00126-01		CS	5,20	Rilasciato Verniciatura QC	1 - 9002
72)	127_2_E	1-1/2"-IA-263-01SS-N	123A90-FDL-PP-DI-00127-02		SS	4,10	Rilasciato Verniciatura QC	6A - 9002
73)	018_1_A	4"-VL-025-01HSS-N	123A90-FDL-PP-DI-00018-01		SS	15,10	Rilasciato Verniciatura QC	6A - 9002
74)	030_3_G	1"-WW-071-01CS-H	123A90-FDL-PP-DI-00030-03		HU-C	11,50	Rilasciato Verniciatura QC	HOOK-UP 004 1D - N/A
75)	074_1_A	1"-HY-169-03HSS-N	123A90-FDL-PP-DI-00074-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
76)	074_2_B	1"-HY-169-03HSS-N	123A90-FDL-PP-DI-00074-02		SS	3,60	Rilasciato Verniciatura QC	
77)	078_1_A	1"-HY-173-03HSS-N	123A90-FDL-PP-DI-00078-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
78)	078_2_B	1"-HY-173-03HSS-N	123A90-FDL-PP-DI-00078-02		SS	3,60	Rilasciato Verniciatura QC	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (82)

Lista No. 3617
Del: 21/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
79)	**082_1_A**	**1"-HY-178-03HSS-N**	**123A90-FDL-PP-DI-00082-01**		**SS**	**3,60**	Rilasciato Verniciatura QC	6A - P002
80)	**082_2_B**	**1"-HY-178-03HSS-N**	**123A90-FDL-PP-DI-00082-02**		**SS**	**3,60**	Rilasciato Verniciatura QC	
81)	**099_1_A**	**3"-WW-201-01CS-H**	**123A90-FDL-PP-DI-00099-01**		**CS**	**11,00**	Rilasciato Verniciatura QC	1D - H1A
82)	**121_1_A**	**2"-AV-256-01CS-N**	**123A90-FDL-PP-DI-00121-01**		**HU-C**	**9,50**	Rilasciato Verniciatura QC	**HOOK-UP 002** 1 - P002

EMANUELE ZAFFI RAC Gruppo PROSIO NS 476 CERTIFICATE 8011

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 015	Pages: 1 of 6
Item description: See List Item nr 3661	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 28/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3661

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	22/10/2024 8.00	22	59	13.63	22
	22/10/2024 12.00	22	64	14.89	22

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3674054-1				
Expiration date:	25/10/2026		22/02/2026		15/10/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3674950-1				
Expiration date:	11/09/2028		27/02/2026		10/10/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLLESS		AIRLESS		AIRLESS				
Application date:	22/10/24		23/10/24		25/10/24				
Start / Stop time:	12.00	16.00	8.00	12.00	8.00	12.00			
Air temperature:	22	22	22	22	21	21			NOTES
Surface temperature:	22	22	22	22	21	21			
Dew point:	14.89	15.13	13.89	13.37	13.21	13.20			
Relative humidity:	64	65	60	58	61	61			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	57/91/61		154/215/163		230/291/264				
Inspection date & time:	23/10/24		25/10/24		28/10/24				

Holiday testing: Performed ☐ Not Performed ☒
Result: OK ☐ Not OK ☐

Adhesion testing:

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35746	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 15	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

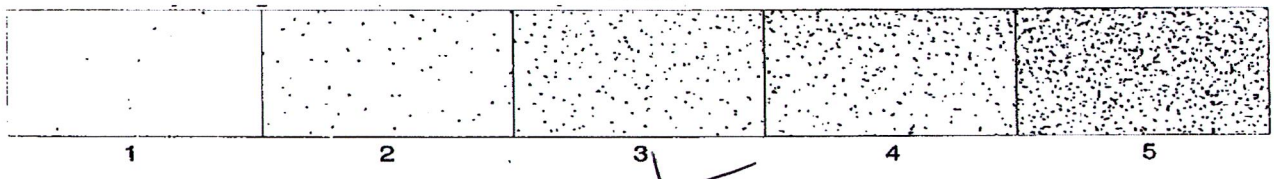
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		IAQG # 35744	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3661
Del: 28/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (45)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	003_1_C	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	3,70	Rilasciato Verniciatura QC	
2)	003_2_E	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	22,60	Rilasciato Verniciatura QC	1D - N/A
3)	003_2_H	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	14,10	Rilasciato Verniciatura QC	
4)	004_1_A	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	5,90	Rilasciato Verniciatura QC	1D - N/A
5)	004_1_C	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	30,40	Rilasciato Verniciatura QC	
6)	007_1_A	1"-DI-012-01CS-H	123A90-FDL-PP-DI-00007-01		CS	6,30	Rilasciato Verniciatura QC	1D - N/A
7)	008_1_B	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	10,40	Rilasciato Verniciatura QC	6A - 9002
8)	016_2_D	2"-HY-023-01HSS-N	123A90-FDL-PP-DI-00016-02		SS	17,70	Rilasciato Verniciatura QC	6A - 9002
9)	016_2_E	2"-HY-023-01HSS-N	123A90-FDL-PP-DI-00016-02		SS	15,20	Rilasciato Verniciatura QC	
10)	031_2_F	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-02		CS	5,70	Rilasciato Verniciatura QC	1D - N/A
11)	031_3_H	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-03		HU-C	27,50	Rilasciato Verniciatura QC	HOOK-UP 005
12)	037_1_C	4"-VL-111-01HSS-N	123A90-FDL-PP-DI-00037-01		SS	36,70	Rilasciato Verniciatura QC	6A - 9002
13)	043_1_C	10"-VL-117-01HSS-N	123A90-FDL-PP-DI-00043-01		SS	163,80	Rilasciato Verniciatura QC	6A - 9002

EMANUELE ZAFFI Gruppo CIG 8011 n. 476 CERTIFICATE

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (45)

Lista No. 3661
Del: 28/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	045_1_A	1"-N-124-03HSS-N	123A90-FDL-PP-DI-00045-01		SS	4,20	Rilasciato Verniciatura QC	6A - 9002
15)	057_1_B	1"-HY-144-03HSS-N	123A90-FDL-PP-DI-00057-01		SS	4,20	Rilasciato Verniciatura QC	6A - 9002
16)	063_1_A	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	39,70	Rilasciato Verniciatura QC	
17)	063_1_B	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	27,10	Rilasciato Verniciatura QC	6A - 9002
18)	063_1_C	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	20,30	Rilasciato Verniciatura QC	
19)	063_1_D	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	11,00	Rilasciato Verniciatura QC	
20)	067_1_A	2"-AV-160-01CS-N	123A90-FDL-PP-DI-00067-01		CS	16,60	Rilasciato Verniciatura QC	1 - 9002
21)	071_1_A	1-1/2"-HY-166-03HSS-N	123A90-FDL-PP-DI-00071-01		SS	3,70	Rilasciato Verniciatura QC	6A - 9002
22)	080_1_C	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	25,70	Rilasciato Verniciatura QC	6A - 9002
23)	080_1_D	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	11,50	Rilasciato Verniciatura QC	
24)	100_2_E	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-02		CS	6,30	Rilasciato Verniciatura QC	1D - N/A
25)	114_1_B	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	4,90	Rilasciato Verniciatura QC	1 - 9002
26)	122_2_D	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-02		SS	30,90	Rilasciato Verniciatura QC	6A - 9002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3661
Del: 28/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (45)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	123_1_A	1"-WW-259-01CS-E	123A90-FDL-PP-DI-00123-01		CS	4,40	Rilasciato Verniciatura QC	1D - M1A
28)	158_1_A	1"-AV-294-01CS-N	123A90-FDL-PP-DI-00158-01		CS	5,50	Rilasciato Verniciatura QC	1 - 9002
29)	158_1_B	1"-AV-294-01CS-N	123A90-FDL-PP-DI-00158-01		CS	15,00	Rilasciato Verniciatura QC	
30)	063_1_E	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	12,30	Rilasciato Verniciatura QC	6A - 9002
31)	069_1_A	1"-HY-164-03HSS-N	123A90-FDL-PP-DI-00069-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
32)	069_2_B	1"-HY-164-03HSS-N	123A90-FDL-PP-DI-00069-02		SS	3,60	Rilasciato Verniciatura QC	
33)	070_1_A	1"-HY-165-03HSS-N	123A90-FDL-PP-DI-00070-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
34)	071_1_B	1-1/2"-HY-166-03HSS-N	123A90-FDL-PP-DI-00071-01		SS	5,30	Rilasciato Verniciatura QC	6A - 9002
35)	072_1_A	4"-HY-167-03HSS-N	123A90-FDL-PP-DI-00072-01		SS	23,20	Rilasciato Verniciatura QC	6A - 9002
36)	080_1_A	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	23,20	Rilasciato Verniciatura QC	6A - 9002
37)	080_1_E	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	54,90	Rilasciato Verniciatura QC	
38)	080_1_F	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	23,70	Rilasciato Verniciatura QC	
39)	083_1_A	1-1/2"-HY-179-03HSS-N	123A90-FDL-PP-DI-00083-01		SS	3,70	Rilasciato Verniciatura QC	6A - 9002

EMANUELE ZAFFI Gruppo s.r.l. FRS 476 UNI EN ISO 9001 CERTIFICATE

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3661
Del: 28/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (45)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	**083_1_B**	**1-1/2"-HY-179-03HSS-N**	**123A90-FDL-PP-DI-00083-01**		**SS**	**5,30**	Rilasciato Verniciatura QC	6A - 9002
41)	**087_1_B**	**1-1/2"-HY-183-03HSS-N**	**123A90-FDL-PP-DI-00087-01**		**SS**	**5,30**	Rilasciato Verniciatura QC	6A - 9002
42)	**088_1_C**	**4"-HY-184-03HSS-N**	**123A90-FDL-PP-DI-00088-01**		**SS**	**25,70**	Rilasciato Verniciatura QC	
43)	**088_1_D**	**4"-HY-184-03HSS-N**	**123A90-FDL-PP-DI-00088-01**		**SS**	**11,50**	Rilasciato Verniciatura QC	6A - 9002
44)	**088_1_E**	**4"-HY-184-03HSS-N**	**123A90-FDL-PP-DI-00088-01**		**SS**	**54,90**	Rilasciato Verniciatura QC	
45)	**088_1_F**	**4"-HY-184-03HSS-N**	**123A90-FDL-PP-DI-00088-01**		**SS**	**23,70**	Rilasciato Verniciatura QC	

EMANUELE ZAFFI Gruppo SDAC 8071 CERTIFICATE NS 476 °C

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 016	Pages: 1 of 6
Item description: See List Item nr 3661	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 28/10/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3661

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3		Surface degreasing: SSPC SP1	
Abrasive type & mesh: garnet		Anchor Profile recorded [µm]: 25 -85	
Steel Surface cleanliness: ISO 8501-1 SA 2.5		Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 11
Dust test assessment: ISO 8502-3 ATT # 1			Max acceptable value: 20

Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	22/10/2024 8.00	22	59	13.63	22
	22/10/2024 12.00	22	64	14.89	22

Coating System Nº 1D	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	EPOXY HR ALLUMINIUM		EPOXY HR GREY						
Batch number Part A:	3545389-1		3549393-1						
Expiration date:	12/06/2026		17/06/2026						
Batch number Part B:	3446829-1		3446829-1						
Expiration date:	07/03/2026		07/03/2026						
Color:	ALLUMIUM		GREY						
Application method:	AIRLESS		AIRLESS						
Application date:	22/10/24		23/10/24						
Start / Stop time:	12.00	16.00	12.00	16.00					
Air temperature:	22	22	22	22					NOTES
Surface temperature:	22	22	22	22					
Dew point:	14.89	15.13	14.89	15.13					
Relative humidity:	64	65	64	65					
Wet film thickness:	200		200						
DFT Min/Max/Av [µm]:	131/174/137		261/315/271						
Inspection date & time:	23/10/24		28/10/24						

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing:
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35744	

TREZETA SERVICE SPA FROSIO NS 476 CERTIFICATE n° 8011

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 16	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

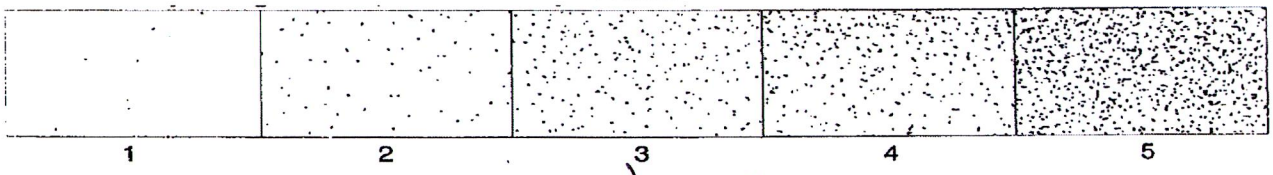
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☐ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35746	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (45)

Lista No. 3661
Del: 28/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	003_1_C	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-01		CS	3,70	Rilasciato Verniciatura QC	1D - N/A
2)	003_2_E	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	22,60	Rilasciato Verniciatura QC	
3)	003_2_H	1"-WW-004-01CS-H	123A90-FDL-PP-DI-00003-02		CS	14,10	Rilasciato Verniciatura QC	
4)	004_1_A	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	5,90	Rilasciato Verniciatura QC	1D - N/A
5)	004_1_C	1"-DM-005-01CS-H	123A90-FDL-PP-DI-00004-01		CS	30,40	Rilasciato Verniciatura QC	
6)	007_1_A	1"-DI-012-01CS-H	123A90-FDL-PP-DI-00007-01		CS	6,30	Rilasciato Verniciatura QC	1D - N/A
7)	008_1_B	1"-VL-014-01HSS-N	123A90-FDL-PP-DI-00008-01		SS	10,40	Rilasciato Verniciatura QC	6A - 9002
8)	016_2_D	2"-HY-023-01HSS-N	123A90-FDL-PP-DI-00016-02		SS	17,70	Rilasciato Verniciatura QC	6A - 9002
9)	016_2_E	2"-HY-023-01HSS-N	123A90-FDL-PP-DI-00016-02		SS	15,20	Rilasciato Verniciatura QC	
10)	031_2_F	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-02		CS	5,70	Rilasciato Verniciatura QC	1D - N/A
11)	031_3_H	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-03		HU-C	27,50	Rilasciato Verniciatura QC	HOOK-UP 005
12)	037_1_C	4"-VL-111-01HSS-N	123A90-FDL-PP-DI-00037-01		SS	36,70	Rilasciato Verniciatura QC	6A - 9002
13)	043_1_C	10"-VL-117-01HSS-N	123A90-FDL-PP-DI-00043-01		SS	163,80	Rilasciato Verniciatura QC	6A - 9002

EMANUELE ZAFFI Gruppo IDAC 8071 FIMSTO 476 CERTIFICATE

ROSETTI MARINO
Group of Companies

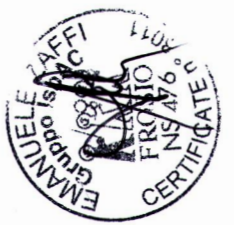
Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (45)

Lista No. 3661
Del: 28/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg]	Transfer Status	Eng.Notes
14)	045_1_A	1"-N-124-03HSS-N	123A90-FDL-PP-DI-00045-01		SS	4,20	Rilasciato Verniciatura QC	6A – P002
15)	057_1_B	1"-HY-144-03HSS-N	123A90-FDL-PP-DI-00057-01		SS	4,20	Rilasciato Verniciatura QC	6A – P002
16)	063_1_A	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	39,70	Rilasciato Verniciatura QC	6A – P002
17)	063_1_B	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	27,10	Rilasciato Verniciatura QC	
18)	063_1_C	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	20,30	Rilasciato Verniciatura QC	
19)	063_1_D	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	11,00	Rilasciato Verniciatura QC	
20)	067_1_A	2"-AV-160-01CS-N	123A90-FDL-PP-DI-00067-01		CS	16,60	Rilasciato Verniciatura QC	1 – P002
21)	071_1_A	1-1/2"-HY-166-03HSS-N	123A90-FDL-PP-DI-00071-01		SS	3,70	Rilasciato Verniciatura QC	6A – P002
22)	080_1_C	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	25,70	Rilasciato Verniciatura QC	6A – P002
23)	080_1_D	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	11,50	Rilasciato Verniciatura QC	
24)	100_2_E	1"-WW-202-01CS-H	123A90-FDL-PP-DI-00100-02		CS	6,30	Rilasciato Verniciatura QC	1D – N/A
25)	114_1_B	1"-WW-216-01CS-N	123A90-FDL-PP-DI-00114-01		CS	4,90	Rilasciato Verniciatura QC	1 – P002
26)	122_2_D	1"-N-257-03HSS-N	123A90-FDL-PP-DI-00122-02		SS	30,90	Rilasciato Verniciatura QC	6A – P002



ROSETTI MARINO
Group of Companies

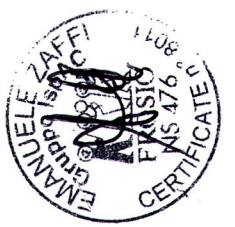
Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (45)

Lista No. 3661
Del: 28/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	123_1_A	1"-WW-259-01CS-E	123A90-FDL-PP-DI-00123-01		CS	4,40	Rilasciato Verniciatura QC	1D - M1A
28)	158_1_A	1"-AV-294-01CS-N	123A90-FDL-PP-DI-00158-01		CS	5,50	Rilasciato Verniciatura QC	1 - 9002
29)	158_1_B	1"-AV-294-01CS-N	123A90-FDL-PP-DI-00158-01		CS	15,00	Rilasciato Verniciatura QC	
30)	063_1_E	4"-HY-152-01HSS-N	123A90-FDL-PP-DI-00063-01		SS	12,30	Rilasciato Verniciatura QC	6A - 9002
31)	069_1_A	1"-HY-164-03HSS-N	123A90-FDL-PP-DI-00069-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
32)	069_2_B	1"-HY-164-03HSS-N	123A90-FDL-PP-DI-00069-02		SS	3,60	Rilasciato Verniciatura QC	
33)	070_1_A	1"-HY-165-03HSS-N	123A90-FDL-PP-DI-00070-01		SS	3,60	Rilasciato Verniciatura QC	6A - 9002
34)	071_1_B	1-1/2"-HY-166-03HSS-N	123A90-FDL-PP-DI-00071-01		SS	5,30	Rilasciato Verniciatura QC	6A - 9002
35)	072_1_A	4"-HY-167-03HSS-N	123A90-FDL-PP-DI-00072-01		SS	23,20	Rilasciato Verniciatura QC	6A - 9002
36)	080_1_A	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	23,20	Rilasciato Verniciatura QC	6A - 9002
37)	080_1_E	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	54,90	Rilasciato Verniciatura QC	
38)	080_1_F	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	23,70	Rilasciato Verniciatura QC	
39)	083_1_A	1-1/2"-HY-179-03HSS-N	123A90-FDL-PP-DI-00083-01		SS	3,70	Rilasciato Verniciatura QC	6A - 9002



ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3661
Del: 28/10/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (45)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	083_1_B	1-1/2"-HY-179-03HSS-N	123A90-FDL-PP-DI-00083-01		SS	5,30	Rilasciato Verniciatura QC	6A - 9002
41)	087_1_B	1-1/2"-HY-183-03HSS-N	123A90-FDL-PP-DI-00087-01		SS	5,30	Rilasciato Verniciatura QC	6A - 9002
42)	088_1_C	4"-HY-184-03HSS-N	123A90-FDL-PP-DI-00088-01		SS	25,70	Rilasciato Verniciatura QC	
43)	088_1_D	4"-HY-184-03HSS-N	123A90-FDL-PP-DI-00088-01		SS	11,50	Rilasciato Verniciatura QC	6A - 9002
44)	088_1_E	4"-HY-184-03HSS-N	123A90-FDL-PP-DI-00088-01		SS	54,90	Rilasciato Verniciatura QC	
45)	088_1_F	4"-HY-184-03HSS-N	123A90-FDL-PP-DI-00088-01		SS	23,70	Rilasciato Verniciatura QC	

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 017	Pages: 1 of 5
Item description: See List Item nr 3669	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 05/11/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3669

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	28/10/2024 8.00	16	55	6.99	16
	28/10/2024 12.00	18	55	8.85	18

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3674054-1				
Expiration date:	25/10/2026		22/02/2026		15/10/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3674950-1				
Expiration date:	11/09/2028		27/02/2026		10/10/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLLESS		AIRLESS		AIRLESS				
Application date:	28/10/24		29/10/24		31/10/24				
Start / Stop time:	12.00	16.00	8.00	12.00	8.00	12.00			
Air temperature:	18	18	19	19	19	19			NOTES
Surface temperature:	18	18	19	19	19	19			
Dew point:	8.85	8.02	9.50	8.94	9.50	8.55			
Relative humidity:	55	52	54	52	54	51			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	58/91/67		161/194/173		235/297/254				
Inspection date & time:	29/10/24		31/10/24		05/11/2024				

Holiday testing: Performed ☐ Not Performed ☒
Result: OK ☐ Not OK ☐

Adhesion testing:

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35746	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 17	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

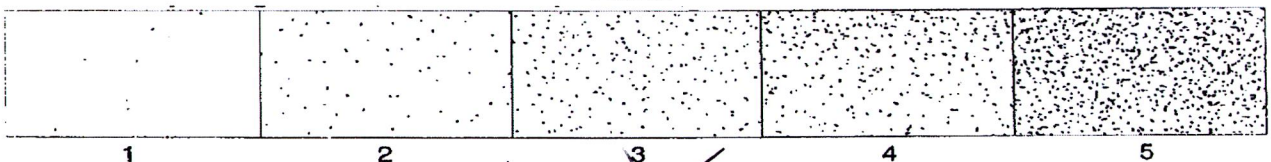
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (32)

Lista No. 3696
Del: 05/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	002_1_B	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-01		SS	28,20	Rilasciato Verniciatura QC	6A - 9002
2)	002_2_D	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-02		SS	35,70	Rilasciato Verniciatura QC	
3)	002_2_E	2"-VL-003-01HSS-N	123A90-FDL-PP-DI-00002-02		SS	9,20	Rilasciato Verniciatura QC	
4)	005_1_A	1"-HY-007-03HSS-N	123A90-FDL-PP-DI-00005-01		SS	3,10	Rilasciato Verniciatura QC	
5)	005_1_C	1"-HY-007-03HSS-N	123A90-FDL-PP-DI-00005-01		SS	3,60	Rilasciato Verniciatura QC	
6)	005_1_D	1"-HY-007-03HSS-N	123A90-FDL-PP-DI-00005-01		SS	7,30	Rilasciato Verniciatura QC	6A - 9002
7)	005_2_F	1"-HY-007-03HSS-N	123A90-FDL-PP-DI-00005-02		SS	32,60	Rilasciato Verniciatura QC	
8)	005_3_G	1"-HY-007-03HSS-N	123A90-FDL-PP-DI-00005-03		SS	10,40	Rilasciato Verniciatura QC	
9)	005_3_H	1"-HY-007-03HSS-N	123A90-FDL-PP-DI-00005-03		SS	31,40	Rilasciato Verniciatura QC	
10)	016_1_A	2"-HY-023-01HSS-N	123A90-FDL-PP-DI-00016-01		SS	20,10	Rilasciato Verniciatura QC	6A - 9002
11)	016_1_B	2"-HY-023-01HSS-N	123A90-FDL-PP-DI-00016-01		SS	9,60	Rilasciato Verniciatura QC	
12)	017_1_A	1-1/2"-HY-024-03HSS-N	123A90-FDL-PP-DI-00017-01		SS	3,70	Rilasciato Verniciatura QC	6A - 9002
13)	042_2_B	10"-VL-116-01HSS-N	123A90-FDL-PP-DI-00042-02		SS	249,40	Rilasciato Verniciatura QC	6A - 9002

EMANUELE ZAFFI Ispettore QC 8011 RINA CERTIFICATE n° NS 476

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (32)

Lista No. 3696
Del: 05/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	042_2_C	10"-VL-116-01HSS-N	123A90-FDL-PP-DI-00042-02		SS	79,40	Rilasciato Verniciatura QC	6A - 9002
15)	043_1_A	10"-VL-117-01HSS-N	123A90-FDL-PP-DI-00043-01		SS	110,70	Rilasciato Verniciatura QC	6A - 9002
16)	044_1_A	10"-VL-123-01HSS-N	123A90-FDL-PP-DI-00044-01		SS	274,90	Rilasciato Verniciatura QC	6A - 9002
17)	057_1_D	1"-HY-144-03HSS-N	123A90-FDL-PP-DI-00057-01		SS	4,20	Rilasciato Verniciatura QC	6A - 9002
18)	068_1_B	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-01		SS	11,30	Rilasciato Verniciatura QC	6A - 9002
19)	072_1_C	4"-HY-167-03HSS-N	123A90-FDL-PP-DI-00072-01		SS	25,70	Rilasciato Verniciatura QC	6A - 9002
20)	075_1_A	1-1/2"-HY-170-03HSS-N	123A90-FDL-PP-DI-00075-01		SS	3,70	Rilasciato Verniciatura QC	6A - 9002
21)	076_1_C	4"-HY-171-03HSS-N	123A90-FDL-PP-DI-00076-01		SS	25,70	Rilasciato Verniciatura QC	6A - 9002
22)	076_1_D	4"-HY-171-03HSS-N	123A90-FDL-PP-DI-00076-01		SS	11,50	Rilasciato Verniciatura QC	
23)	079_1_A	1-1/2"-HY-174-03HSS-N	123A90-FDL-PP-DI-00079-01		SS	3,70	Rilasciato Verniciatura QC	6A - 9002
24)	116_4_A	3"-VL-220-01HSS-N	123A90-FDL-PP-DI-00116-04		SS	2,60	Rilasciato Verniciatura QC	6A - 9002
25)	157_1_B	1"-VL-293-01HSS-N	123A90-FDL-PP-DI-00157-01		SS	3,50	Rilasciato Verniciatura QC	6A - 9002
26)	017_1_B	1-1/2"-HY-024-03HSS-N	123A90-FDL-PP-DI-00017-01		SS	5,30	Rilasciato Verniciatura QC	6A - 9002.

EMANUELE ZAFFI 8011 CERTIFICATE N° 476 RINA NS

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3696
Del: 05/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (32)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	**076_1_F**	**4"-HY-171-03HSS-N**	**123A90-FDL-PP-DI-00076-01**		**SS**	**23,70**	Rilasciato Verniciatura QC	6A - 9002
28)	**079_1_B**	**1-1/2"-HY-174-03HSS-N**	**123A90-FDL-PP-DI-00079-01**		**SS**	**5,30**	Rilasciato Verniciatura QC	6A - 9002
29)	**084_1_A**	**4"-HY-180-03HSS-N**	**123A90-FDL-PP-DI-00084-01**		**SS**	**23,20**	Rilasciato Verniciatura QC	6A - 9002
30)	**084_1_F**	**4"-HY-180-03HSS-N**	**123A90-FDL-PP-DI-00084-01**		**SS**	**23,70**	Rilasciato Verniciatura QC	
31)	**087_1_A**	**1-1/2"-HY-183-03HSS-N**	**123A90-FDL-PP-DI-00087-01**		**SS**	**3,70**	Rilasciato Verniciatura QC	6A - 9002
32)	**088_1_A**	**4"-HY-184-03HSS-N**	**123A90-FDL-PP-DI-00088-01**		**SS**	**23,20**	Rilasciato Verniciatura QC	6A - 9002

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 018	Pages: 1 of 5
Item description: See List Item nr 3752	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 15/11/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3752

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	11/11/2024 8.00	18	55	8.85	18
	11/11/2024 12.00	19	54	9.50	19

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3674054-1				
Expiration date:	25/10/2026		22/02/2026		15/10/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3674950-1				
Expiration date:	11/09/2028		27/02/2026		10/10/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLESS		AIRLESS		AIRLESS				
Application date:	11/11/24		12/11/24		14/11/24				
Start / Stop time:	12.00	16.00	8.00	12.00	8.00	12.00			
Air temperature:	19	19	19	18	18	19			NOTES
Surface temperature:	19	19	19	18	18	19			
Dew point:	9.50	8.55	8.94	8.02	8.85	8.94			
Relative humidity:	54	51	52	52	55	52			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	57/91/64		163/197/184		216/294/254				
Inspection date & time:	12/11/24		14/11/24		15/11/24				

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing:
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 18	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

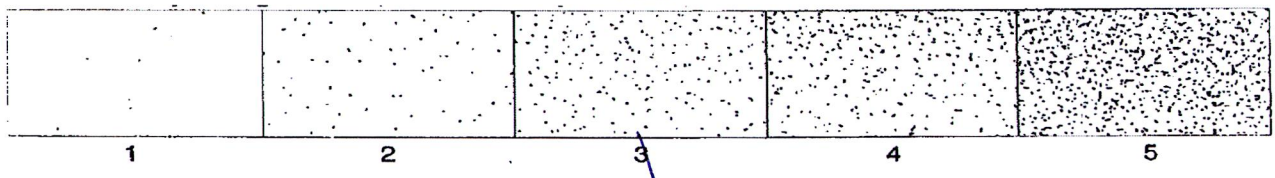
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign			

EMANUELE ZAFFI CORSO DI FORMAZIONE FROSIO NS 476 n° 8011 CERTIFICATE

NACE # 35744

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3752
Del: 15/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (28)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	005_2_E	1"-HY-007-03HSS-N	123A90-FDL-PP-DI-00005-02		SS	10,60	Inizio Verniciatura	6A - P002
2)	050_1_C	1"-HY-132-03HSS-N	123A90-FDL-PP-DI-00050-01		SS	3,90	Inizio Verniciatura	6A - P002
3)	051_1_C	1"-HY-133-03HSS-N	123A90-FDL-PP-DI-00051-01		SS	3,90	Inizio Verniciatura	6A - P002
4)	052_1_C	1"-HY-134-03HSS-N	123A90-FDL-PP-DI-00052-01		SS	3,90	Inizio Verniciatura	6A - P002
5)	053_1_C	1"-HY-135-03HSS-N	123A90-FDL-PP-DI-00053-01		SS	3,90	Inizio Verniciatura	6A - P002
6)	054_1_C	1"-HY-136-03HSS-N	123A90-FDL-PP-DI-00054-01		SS	3,90	Inizio Verniciatura	6A - P002
7)	056_1_A	1"-HY-143-03HSS-N	123A90-FDL-PP-DI-00056-01		SS	2,80	Inizio Verniciatura	6A - P002
8)	057_1_A	1"-HY-144-03HSS-N	123A90-FDL-PP-DI-00057-01		SS	2,70	Inizio Verniciatura	6A - P002
9)	061_3_E	1-1/2"-HY-148-03HSS-N	123A90-FDL-PP-DI-00061-03		SS	20,30	Inizio Verniciatura	6A - P002
10)	068_1_A	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-01		SS	6,20	Inizio Verniciatura	
11)	068_1_C	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-01		SS	13,80	Inizio Verniciatura	6A - P002
12)	068_1_D	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-01		SS	7,70	Inizio Verniciatura	
13)	068_2_E	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-02		SS	11,20	Inizio Verniciatura	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3752
Del: 15/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (28)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	068_2_F	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-02		SS	6,40	Inizio Verniciatura	6A - P002
15)	068_2_G	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-02		SS	3,50	Inizio Verniciatura	
16)	068_2_H	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-02		SS	3,10	Inizio Verniciatura	
17)	068_2_I	1"-HY-163-01HSS-N	123A90-FDL-PP-DI-00068-02		SS	2,80	Inizio Verniciatura	
18)	072_1_D	4"-HY-167-03HSS-N	123A90-FDL-PP-DI-00072-01		SS	11,50	Inizio Verniciatura	6A - P002
19)	076_1_B	4"-HY-171-03HSS-N	123A90-FDL-PP-DI-00076-01		SS	42,70	Inizio Verniciatura	6A - P002
20)	077_1_A	6"-VL-172-01HSS-N	123A90-FDL-PP-DI-00077-01		SS	35,40	Inizio Verniciatura	6A - P002
21)	077_1_B	6"-VL-172-01HSS-N	123A90-FDL-PP-DI-00077-01		SS	25,50	Inizio Verniciatura	
22)	080_1_B	4"-HY-175-03HSS-N	123A90-FDL-PP-DI-00080-01		SS	42,70	Inizio Verniciatura	6A - P002
23)	085_1_B	6"-VL-181-01HSS-N	123A90-FDL-PP-DI-00085-01		SS	25,50	Inizio Verniciatura	6A - P002
24)	070_2_B	1"-HY-165-03HSS-N	123A90-FDL-PP-DI-00070-02		SS	3,60	Inizio Verniciatura	6A - P002
25)	072_1_E	4"-HY-167-03HSS-N	123A90-FDL-PP-DI-00072-01		SS	54,90	Inizio Verniciatura	6A - P002
26)	072_1_F	4"-HY-167-03HSS-N	123A90-FDL-PP-DI-00072-01		SS	23,70	Inizio Verniciatura	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (28)

Lista No. 3752
Del: 15/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	**076_1_A**	**4"-HY-171-03HSS-N**	**123A90-FDL-PP-DI-00076-01**		**SS**	**23,20**	Inizio Verniciatura	6A - 9002
28)	**076_1_E**	**4"-HY-171-03HSS-N**	**123A90-FDL-PP-DI-00076-01**		**SS**	**54,90**	Inizio Verniciatura	

EMANUELE ZAFFI Gruppo IspAC FOSID 476 n° 8011 CERTIFICATE

TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 019	Pages: 1 of 8
Item description: See List Item nr 3799	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 27/11/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3799

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	21/11/2024 8.00	21	61	13.20	20
	21/11/2024 12.00	18	55	8.55	18

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3674054-1				
Expiration date:	25/10/2026		22/02/2026		15/10/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3674950-1				
Expiration date:	11/09/2028		27/02/2026		10/10/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLLESS		AIRLESS		AIRLESS				
Application date:	21/11/24		22/11/24		25/11/24				
Start / Stop time:	12.00	16.00	8.00	12.00	8.00	12.00			
Air temperature:	18	18	18	19	18	18			NOTES
Surface temperature:	18	18	18	18	18	18			
Dew point:	8.85	10.63	9.89	10.82	10.63	9.89			
Relative humidity:	55	62	59	59	62	59			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	59/87/64		167/215/189		240/290/276				
Inspection date & time:	22/11/24		25/11/24		27/11/24				

Holiday testing:	Performed ☐	Not Performed ☐	Adhesion testing:
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign			

MANUELE LAFFI Gruppo ispaci N. 9176 ANSI-ASQ CERTIFICATE n. 8011

NACE# 35744

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 19	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

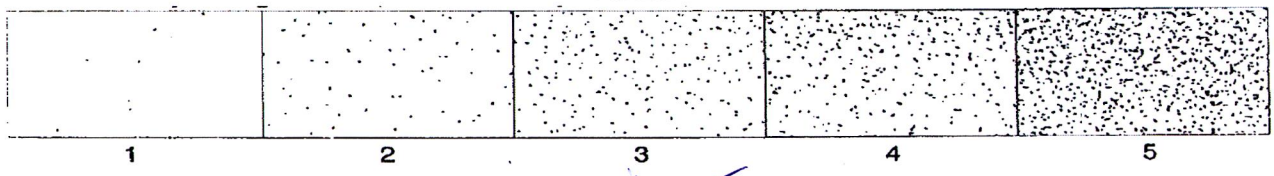
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE# 35766	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3799
Del: 27/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (65)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	005_1_B	1"-HY-007-03HSS-N	123A90-FDL-PP-DI-00005-01		SS	11,70	Rilasciato Verniciatura QC	6A - 9002
2)	009_1_A	1"-HY-015-03HSS-N	123A90-FDL-PP-DI-00009-01		SS	4,00	Rilasciato Verniciatura QC	6A - 9002
3)	009_1_B	1"-HY-015-03HSS-N	123A90-FDL-PP-DI-00009-01		SS	3,90	Rilasciato Verniciatura QC	
4)	010_1_A	1"-HY-016-03HSS-N	123A90-FDL-PP-DI-00010-01		SS	4,00	Rilasciato Verniciatura QC	6A - 9002
5)	010_1_B	1"-HY-016-03HSS-N	123A90-FDL-PP-DI-00010-01		SS	3,90	Rilasciato Verniciatura QC	
6)	011_1_B	1"-HY-017-03HSS-N	123A90-FDL-PP-DI-00011-01		SS	4,00	Rilasciato Verniciatura QC	6A - 9002
7)	012_1_A	1"-HY-018-03HSS-N	123A90-FDL-PP-DI-00012-01		SS	3,50	Rilasciato Verniciatura QC	6A - 9002
8)	012_1_B	1"-HY-018-03HSS-N	123A90-FDL-PP-DI-00012-01		SS	4,70	Rilasciato Verniciatura QC	
9)	013_1_B	1"-HY-019-03HSS-N	123A90-FDL-PP-DI-00013-01		SS	4,70	Rilasciato Verniciatura QC	6A - 9002
10)	014_1_A	1"-HY-020-03HSS-N	123A90-FDL-PP-DI-00014-01		SS	3,50	Rilasciato Verniciatura QC	6A - 9002
11)	014_1_B	1"-HY-020-03HSS-N	123A90-FDL-PP-DI-00014-01		SS	4,70	Rilasciato Verniciatura QC	
12)	016_2_C	2"-HY-023-01HSS-N	123A90-FDL-PP-DI-00016-02		SS	40,30	Rilasciato Verniciatura QC	6A - 9002
13)	019_1_B	1"-HY-026-03HSS-N	123A90-FDL-PP-DI-00019-01		SS	4,10	Rilasciato Verniciatura QC	6A - 9002

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (65)

Lista No. 3799
Del: 27/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
14)	019_1_C	1"-HY-026-03HSS-N	123A90-FDL-PP-DI-00019-01		SS	3,90	Rilasciato Verniciatura QC	6A - 9002
15)	019_1_D	1"-HY-026-03HSS-N	123A90-FDL-PP-DI-00019-01		SS	6,20	Rilasciato Verniciatura QC	
16)	050_1_B	1"-HY-132-03HSS-N	123A90-FDL-PP-DI-00050-01		SS	4,10	Rilasciato Verniciatura QC	6A - 9002
17)	051_1_B	1"-HY-133-03HSS-N	123A90-FDL-PP-DI-00051-01		SS	4,10	Rilasciato Verniciatura QC	6A - 9002
18)	053_1_B	1"-HY-135-03HSS-N	123A90-FDL-PP-DI-00053-01		SS	4,10	Rilasciato Verniciatura QC	6A - 9002
19)	053_1_D	1"-HY-135-03HSS-N	123A90-FDL-PP-DI-00053-01		SS	6,10	Rilasciato Verniciatura QC	
20)	054_1_B	1"-HY-136-03HSS-N	123A90-FDL-PP-DI-00054-01		SS	4,00	Rilasciato Verniciatura QC	6A - 9002
21)	054_1_D	1"-HY-136-03HSS-N	123A90-FDL-PP-DI-00054-01		SS	8,20	Rilasciato Verniciatura QC	
22)	055_1_A	4"-HY-142-03HSS-N	123A90-FDL-PP-DI-00055-01		SS	23,20	Rilasciato Verniciatura QC	
23)	055_1_D	4"-HY-142-03HSS-N	123A90-FDL-PP-DI-00055-01		SS	11,50	Rilasciato Verniciatura QC	6A - 9002
24)	055_1_E	4"-HY-142-03HSS-N	123A90-FDL-PP-DI-00055-01		SS	54,90	Rilasciato Verniciatura QC	
25)	055_1_F	4"-HY-142-03HSS-N	123A90-FDL-PP-DI-00055-01		SS	23,70	Rilasciato Verniciatura QC	
26)	056_1_B	1"-HY-143-03HSS-N	123A90-FDL-PP-DI-00056-01		SS	3,90	Rilasciato Verniciatura QC	6A - 9002

ROSETTI MARINO
Group of Companies

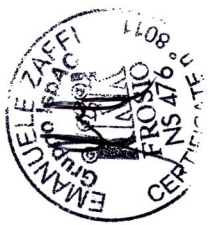
Progetto : 123A90_PIP

Crosswind

Lista No. 3799
Del: 27/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (65)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
27)	056_1_C	1"-HY-143-03HSS-N	123A90-FDL-PP-DI-00056-01		SS	4,50	Rilasciato Verniciatura QC	6A - 9002
28)	056_1_D	1"-HY-143-03HSS-N	123A90-FDL-PP-DI-00056-01		SS	4,10	Rilasciato Verniciatura QC	
29)	057_1_C	1"-HY-144-03HSS-N	123A90-FDL-PP-DI-00057-01		SS	4,20	Rilasciato Verniciatura QC	6A - 9002
30)	057_1_E	1"-HY-144-03HSS-N	123A90-FDL-PP-DI-00057-01		SS	6,80	Rilasciato Verniciatura QC	
31)	061_1_A	1-1/2"-HY-148-03HSS-N	123A90-FDL-PP-DI-00061-01		SS	41,10	Rilasciato Verniciatura QC	6A - 9002
32)	061_2_B	1-1/2"-HY-148-03HSS-N	123A90-FDL-PP-DI-00061-02		SS	6,40	Rilasciato Verniciatura QC	
33)	061_2_C	1-1/2"-HY-148-03HSS-N	123A90-FDL-PP-DI-00061-02		SS	16,70	Rilasciato Verniciatura QC	
34)	061_2_D	1-1/2"-HY-148-03HSS-N	123A90-FDL-PP-DI-00061-02		SS	18,00	Rilasciato Verniciatura QC	
35)	061_3_F	1-1/2"-HY-148-03HSS-N	123A90-FDL-PP-DI-00061-03		SS	44,40	Rilasciato Verniciatura QC	
36)	064_1_A	1"-HY-153-03HSS-N	123A90-FDL-PP-DI-00064-01		SS	3,80	Rilasciato Verniciatura QC	6A - 9002
37)	064_1_B	1"-HY-153-03HSS-N	123A90-FDL-PP-DI-00064-01		SS	4,00	Rilasciato Verniciatura QC	
38)	064_1_C	1"-HY-153-03HSS-N	123A90-FDL-PP-DI-00064-01		SS	3,90	Rilasciato Verniciatura QC	
39)	064_1_D	1"-HY-153-03HSS-N	123A90-FDL-PP-DI-00064-01		SS	4,80	Rilasciato Verniciatura QC	



ROSETTI MARINO
Group of Companies

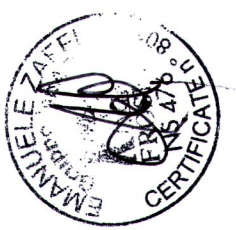
Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (65)

Lista No. 3799
Del: 27/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
40)	064_1_E	1"-HY-153-03HSS-N	123A90-FDL-PP-DI-00064-01		SS	6,10	Rilasciato Verniciatura QC	6A - 9002
41)	072_1_B	4"-HY-167-03HSS-N	123A90-FDL-PP-DI-00072-01		SS	42,70	Rilasciato Verniciatura QC	6A - 9002
42)	090_1_A	1"-HY-186-03HSS-N	123A90-FDL-PP-DI-00090-01		SS	3,80	Rilasciato Verniciatura QC	
43)	090_1_B	1"-HY-186-03HSS-N	123A90-FDL-PP-DI-00090-01		SS	4,00	Rilasciato Verniciatura QC	6A - 9002.
44)	090_1_C	1"-HY-186-03HSS-N	123A90-FDL-PP-DI-00090-01		SS	3,90	Rilasciato Verniciatura QC	
45)	090_1_E	1"-HY-186-03HSS-N	123A90-FDL-PP-DI-00090-01		SS	6,10	Rilasciato Verniciatura QC	
46)	091_1_A	1"-HY-187-03HSS-N	123A90-FDL-PP-DI-00091-01		SS	3,80	Rilasciato Verniciatura QC	
47)	091_1_B	1"-HY-187-03HSS-N	123A90-FDL-PP-DI-00091-01		SS	4,00	Rilasciato Verniciatura QC	6A - 9002
48)	091_1_C	1"-HY-187-03HSS-N	123A90-FDL-PP-DI-00091-01		SS	3,90	Rilasciato Verniciatura QC	
49)	091_1_E	1"-HY-187-03HSS-N	123A90-FDL-PP-DI-00091-01		SS	6,10	Rilasciato Verniciatura QC	
50)	092_1_A	1"-HY-188-03HSS-N	123A90-FDL-PP-DI-00092-01		SS	3,80	Rilasciato Verniciatura QC	
51)	092_1_B	1"-HY-188-03HSS-N	123A90-FDL-PP-DI-00092-01		SS	4,00	Rilasciato Verniciatura QC	6A - 9002
52)	092_1_C	1"-HY-188-03HSS-N	123A90-FDL-PP-DI-00092-01		SS	3,90	Rilasciato Verniciatura QC	



ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3799
Del: 27/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (65)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
53)	092_1_D	1"-HY-188-03HSS-N	123A90-FDL-PP-DI-00092-01		SS	4,80	Rilasciato Verniciatura QC	6A - P002.
54)	092_1_E	1"-HY-188-03HSS-N	123A90-FDL-PP-DI-00092-01		SS	6,10	Rilasciato Verniciatura QC	
55)	093_1_A	1"-HY-189-03HSS-N	123A90-FDL-PP-DI-00093-01		SS	3,80	Rilasciato Verniciatura QC	
56)	093_1_B	1"-HY-189-03HSS-N	123A90-FDL-PP-DI-00093-01		SS	4,00	Rilasciato Verniciatura QC	
57)	093_1_C	1"-HY-189-03HSS-N	123A90-FDL-PP-DI-00093-01		SS	3,90	Rilasciato Verniciatura QC	6A - P002
58)	093_1_D	1"-HY-189-03HSS-N	123A90-FDL-PP-DI-00093-01		SS	4,80	Rilasciato Verniciatura QC	
59)	093_1_E	1"-HY-189-03HSS-N	123A90-FDL-PP-DI-00093-01		SS	6,10	Rilasciato Verniciatura QC	
60)	094_1_A	1"-HY-190-03HSS-N	123A90-FDL-PP-DI-00094-01		SS	3,90	Rilasciato Verniciatura QC	
61)	094_1_B	1"-HY-190-03HSS-N	123A90-FDL-PP-DI-00094-01		SS	4,00	Rilasciato Verniciatura QC	6A - P002
62)	094_1_C	1"-HY-190-03HSS-N	123A90-FDL-PP-DI-00094-01		SS	3,90	Rilasciato Verniciatura QC	
63)	084_1_B	4"-HY-180-03HSS-N	123A90-FDL-PP-DI-00084-01		SS	42,70	Rilasciato Verniciatura QC	6A - P002
64)	086_1_A	1"-HY-182-03HSS-N	123A90-FDL-PP-DI-00086-01		SS	3,60	Rilasciato Verniciatura QC	6A - P002
65)	086_2_B	1"-HY-182-03HSS-N	123A90-FDL-PP-DI-00086-02		SS	3,60	Rilasciato Verniciatura QC	



ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

ELENCO ITEM IN TRASFERIMENTO (65)

Lista No. 3799
Del: 27/11/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg]	Transfer Status	Eng.Notes



TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 020	Pages: 1 of 3
Item description: See List Item nr 3901	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 16/12/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3901

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 11	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	11/12/2024 8.00	18	59	9.89	18
	11/12/2024 10.00	18	59	9.89	18

Coating System Nº 1D	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	EPOXY HR ALLUMINIUM		EPOXY HR GREY						
Batch number Part A:	3545389-1		3549393-1						
Expiration date:	12/06/2026		17/06/2026						
Batch number Part B:	3446829-1		3446829-1						
Expiration date:	07/03/2026		07/03/2026						
Color:	ALLUMIUM		GREY						
Application method:	AIRLESS		AIRLESS						
Application date:									
Start / Stop time:	10.00	12.00	12.00	16.00					
Air temperature:	18	18	18	18					NOTES
Surface temperature:	18	18	18	18					
Dew point:	9.89	8.85	10.63	8.85					
Relative humidity:	59	55	62	55					
Wet film thickness:	200		200						
DFT Min/Max/Av [µm]:	129/175/134		265/314/277						
Inspection date & time:	13/12/24		16/12/24						

Holiday testing:	Performed ☐	Not Performed ☒	Adhesion testing:
Result:	OK ☐	Not OK ☐	

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35744	

EMANUELE ZAFFI ISPETTORE COATING INSPECTOR LIVELLO 2 ISO 9712 CERTIFICATE n° 8011

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 20	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

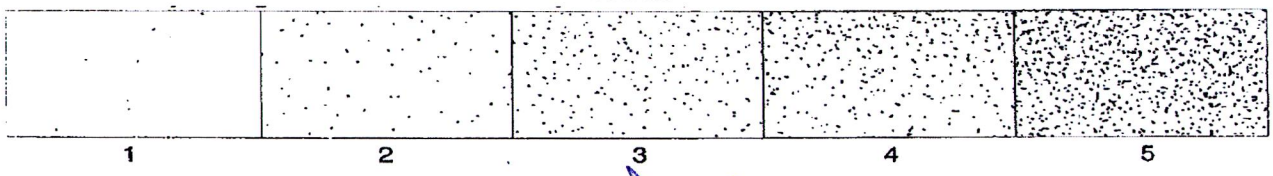
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE # 35744	

ROSETTI MARINO
Group of Companies

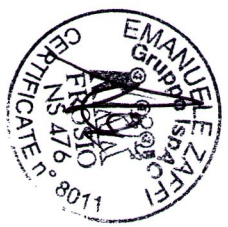
Progetto : 123A90_PIP

Crosswind

Lista No. 3901
Del: 16/12/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (2)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	031_2_D	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-02		CS	22,80	Rilasciato Verniciatura QC	1D - N/A
2)	031_2_J	1-1/2"-WW-073-01CS-H	123A90-FDL-PP-DI-00031-02		CS	2,80	Rilasciato Verniciatura QC	



TREZETA SERVICE
VERNICIATURE E RIVESTIMENTI ANTICORROSIVI
PER L'EDILIZIA E L'INDUSTRIA

PAINT APPLICATION REPORT

CLIENT: CROSSWIND
PROJECT: HOLLANDSE KUST NOORD WIND PARK
JOB: 123A90

Document number: PAR 021	Pages: 1 of 3
Item description: See List Item nr 3902	Applicable Procedure: 123A90-PML-QHSE-RE-00093 rev002
Issued by: Zaffi Emanuele	Issue date: 16/12/24
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: 3902

SURFACE PREPARATION

Steel preparation: ISO 8501—1 to 3			Surface degreasing: SSPC SP1		
Abrasive type & mesh: garnet			Anchor Profile recorded [µm]: 25 -85		
Steel Surface cleanliness: ISO 8501-1 SA 2.5			Test for soluble salts according to ISO 8502-06/09 [mg/m²]	Actual value: 12	
Dust test assessment: ISO 8502-3 ATT # 1				Max acceptable value: 20	
Weather conditions:	Date & time:	Air temperature °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
	11/12/2024 8.00	18	59	9.89	18
	11/12/2024 10.00	18	59	9.89	18

Coating System Nº 6A	Paint manufacturer: JOTUN								REMARKS
	1) First Coat		2) Second Coat		3) Third Coat		4) Fourth coat		
Product name:	PENGUARD PRIMER		PENGUARD		HARDTOP XP				
Batch number Part A:	3684864-1-*-1:2-1		3431380-1-*-1:2		3674054-1				
Expiration date:	25/10/2026		22/02/2026		15/10/2028				
Batch number Part B:	3636782-1-*1:4		3437147-1-*-1:2		3674950-1				
Expiration date:	11/09/2028		27/02/2026		10/10/2028				
Color:	RED		OFF WHITE		RAL9002				
Application method:	AIRLLESS		AIRLESS		AIRLESS				
Application date:	11/12/24		13/12/24		14/12/24				
Start / Stop time:	10.00	12.00	8.00	12.00	8.00	12.00			
Air temperature:	18	18	18	18	18	18			NOTES
Surface temperature:	18	18	18	18	18	18			
Dew point:	9.89	9.89	9.89	10.63	8.85	9.37			
Relative humidity:	59	59	59	62	55	57			
Wet film thickness:	100		200		100				
DFT Min/Max/Av [µm]:	55/87/61		155/198/172		215/298/245				
Inspection date & time:	13/12/24		14/12/24		16/12/24				

Holiday testing: Performed ☐ Not Performed ☒
Result: OK ☐ Not OK ☐

Adhesion testing:

EQUIPMENTS

TYPE	SERIAL NUMBER	EXPIRATION DATE
ELCOMETER G319 DEWPOINT METER	Aa20094	22/01/2025
ELCOMETER E124-3M THICKNESS GAUGE	XYJC06275	29/02/2025
ELCOMETER 456 COATING THICKNESS GAUGE	ZI01964	20/11/2025
ELCOMETER 138	WF23159	12/05/2025

RESULT: **CONFORMING** ☒ **NOT CONFORMING** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign			

NACE # 35744

TREZETA S.R.L. VERNICIATURE E RIVESTIMENTI ANTICORROSIVI PER L'EDILIZIA E L'INDUSTRIA	**PAINT APPLICATION REPORT** **CLIENT: CROSSWIND** **PROJECT: HOLLANDSE KUST NOORD WIND PARK** **JOB: 123A90**

Att # 1 PAR 21	Issued by : Emanuele Zaffi

Dust Test Assessment by ISO 8502-3

Test 1	
Test 2	
Test 3	
Test 4	

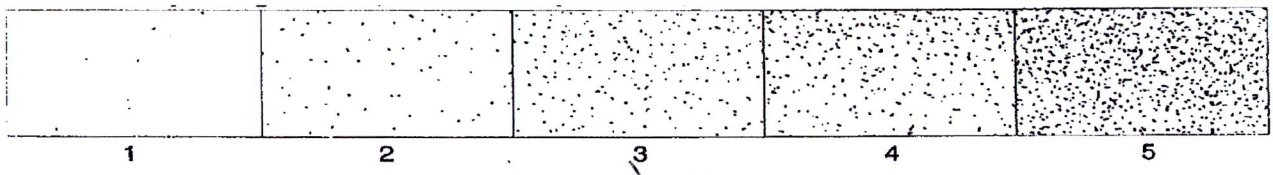
VALORI DI ACCETABILITA'

Granulometria delle particelle di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☐	2 ☒	3 ☐	4 ☐	5 ☐

VALORI REALI

Granulometria delle particelle di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐
Valutazione della quantità di polvere:	1 ☒	2 ☐	3 ☐	4 ☐	5 ☐

VALORI DI RIFERIMENTO DELLA QUANTITÀ DI POLVERE



RISULTATO: **CONFORME** ☒ **NON CONFORME** ☐

	TREZETA SERVICE	ROSETTI MARINO	Third Party Inspector
Name	Emanuele Zaffi	ROSETTI MARINO SpA Michele Sacchi Quality Control Dept.	
Sign		NACE #35744	

ROSETTI MARINO
Group of Companies

Progetto : 123A90_PIP

Crosswind

Lista No. 3902
Del: 16/12/2024
Da: Trezeta
A: Yard Piomboni
Tipo: Definitiva

ELENCO ITEM IN TRASFERIMENTO (4)

	Spool ID	Line Number	ISO Doc Number	Eng. Rev	Group code	Weight (kg)	Transfer Status	Eng.Notes
1)	**050_1_D**	**1"-HY-132-03HSS-N**	**123A90-FDL-PP-DI-00050-01**		**SS**	**6,20**	Verniciato	6A - P002
2)	**084_1_C**	**4"-HY-180-03HSS-N**	**123A90-FDL-PP-DI-00084-01**		**SS**	**25,70**	Verniciato	6A - P002
3)	**084_1_D**	**4"-HY-180-03HSS-N**	**123A90-FDL-PP-DI-00084-01**		**SS**	**11,50**	Verniciato	6A - P002
4)	**088_1_B**	**4"-HY-184-03HSS-N**	**123A90-FDL-PP-DI-00088-01**		**SS**	**40,60**	Verniciato	



Jotun Protects Property

Trieste, 16/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

ESSEGICOLOR SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD EXPRESS, COMP B 4L	3515768-1-*-1:2	15/05/2024	15/05/2026
JOTAMASTIC 90 BASE 5 A 14L	3440536-1-*-1:3	08/03/2024	07/03/2028
PENGUARD EXPRESS ZP GREY A 16L	3483915-1-*-1:2-1	25/04/2024	25/04/2026
JOTAMASTIC 90, WG COMP B 1L	3454159-1-*-1:2	15/03/2024	15/03/2026
HARDTOP XP BASE 1 A 16.4L	3533700-1-*-1:2	05/06/2024	04/06/2028
JOTAMASTIC 90 BASE 3 A 3.5L	3508479-1-*-1:2	13/05/2024	12/05/2028
JOTAMASTIC 90, WG COMP B 4.4L	3458876-1-*-1:2	20/03/2024	20/03/2026
HARDTOP XP, COMP B 1.8L	3520081-1-*-1:2	21/05/2024	20/05/2028
MARE NOSTRUM BLACK 2.5L	3394524-1-*-1:2	19/01/2024	18/01/2028
HARDTOP XP BASE 3 A 16.4L	3497689-1-*-1:2-1	03/05/2024	02/05/2028
ANTIPEST PRIMER ALU RT A 2L	3454281-1-*-1:3	25/03/2024	24/03/2028
ANTIPEST PRIMER, COMP B 0.5L	3413602-1-*-1:3	07/02/2024	06/02/2028
JOTAMASTIC 90, WG COMP B 4.4L	3458876-1-*-1:2	20/03/2024	20/03/2026
JOTAMASTIC 90, WG COMP B 1L	3454159-1-*-1:2	15/03/2024	15/03/2026
ANTIPEST PRIMER ALU RT A 2L	3454281-1-*-1:3	25/03/2024	24/03/2028
HARDTOP XP, COMP B 1.8L	3520081-1-*-1:2	21/05/2024	20/05/2028
PENGUARD EXPRESS ZP GREY A 16L	3483915-1-*-1:2-1	25/04/2024	25/04/2026
PENGUARD EXPRESS, COMP B 4L	3515768-1-*-1:2	15/05/2024	15/05/2026
JOTAMASTIC 90 BASE 3 A 3.5L	3508479-1-*-1:2	13/05/2024	12/05/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

HARDTOP XP BASE 3 A 16.4L	3497689-1-*-1:2-1	03/05/2024	02/05/2028
ANTIPEST PRIMER, COMP B 0.5L	3413602-1-*-1:3	07/02/2024	06/02/2028
MARE NOSTRUM BLACK 2.5L	3394524-1-*-1:2	19/01/2024	18/01/2028
HARDTOP XP BASE 1 A 16.4L	3533700-1-*-1:2	05/06/2024	04/06/2028
JOTAMASTIC 90 BASE 5 A 14L	3440536-1-*-1:3	08/03/2024	07/03/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

Trieste, 19/02/2025

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
ESSEGICOLOR SRL

Sales Part Description		Lot/Batch No	Production Date	Best Before Date
HARDTOP XP BASE 1 A	16.4L	3606677-1-*-1:2	13/08/2024	12/08/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

Trieste, 13/02/2025

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
TREZETA SERVICE SRL

Sales Part Description	Lot/Batch No	Lot/Batch No MCI	Production Date	Best Before Date
PENGUARD EXPRESS, COMP B 4L	3437147-1-*-1:2		28/02/2024	27/02/2026
PENGUARD EXPRESS OFFWHIT A 16L	3431380-1-*-1:2		23/02/2024	22/02/2026
BARRIER 80 S, EU COMP B 1.25L	3437130-1-*-1:2		10/04/2024	10/04/2026
BARRIER 80 S GREY A 7.5L	3432859-1-*-1:2		12/03/2024	12/03/2026
EPOXY HR, COMP B 2.5L	3446829-1-*-1:2		07/03/2024	07/03/2026
EPOXY HR, COMP B 2.5L	3446829-1-*-1:2		07/03/2024	07/03/2026
EPOXY HR RAL 7035 A 16.3L	3549393-1-*-1:3		17/06/2024	17/06/2026
EPOXY HR ALUMINIUM CPA 16.3L	3545389-1-*-1:3		12/06/2024	12/06/2026
HARDTOP XP ral 9002 16,47L	3674054-1-*-1:2	W16279758-3-1	16/10/2024	15/10/2028
HARDTOP XP, COMP B 1.8L	3674950-1-*-1:2		11/10/2024	10/10/2028
PENGUARD PRIMER RED A 16L	3684864-1-*-1:2-1		25/10/2024	25/10/2026
PENGUARD, COMP B 4L	3636782-1-*-1:4		12/09/2024	11/09/2028

Maurizio Peretti
Supply Chain Manager
Jotun Italia S.r.l.

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

Structure

ROSETTI MARINO

PAINT APPLICATION REPORT
COMPANY: HOLLANDSE KUST NOORD WIND PARK
PROJECT: CROSSWIND
JOB: 123A90

Document number: TSZA-001-A	Pages: 1 of 10
Item description: TRANSITION PIECE FLANGE	Applicable Procedure: METHOD STATEMENT FOR BLASTING, THERMAL SPRAY ALUMINUM APPLICATION
Issued by: Alex Sanna	Issue date: 05/12/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex Nr 1

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: Garnet 20-40			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 59 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 18 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. See Annex Nr 2				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	29/11/2024 8:00	14,8	65,9	8,5	14,1
Conditioned	29/11/2024 12:00	16,2	64,4	9,5	16,2

TSZA	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	AL/ZINC WIRE 85/15	PENGUARD TIE COAT 100	N.A.	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	623016	3549211	N.A.	N.A.	
Expiration date:	N.A.	13/06/2026	N.A.	N.A.	
Batch Parte B:	N.A.	3540740	N.A.	N.A.	
Expiration date:	N.A.	16/06/2028	N.A.	N.A.	
Color:	METAL GREY	RED	N.A.	N.A.	
Application method:	METALISER	ROLLER	N.A.	N.A.	
Application date:	29/12/2024	29/12/2024	N.A.	N.A.	
Start / Stop time:	13:00	17:00	N.A.	N.A.	
Air temperature:	16,5	14,8	N.A.	N.A.	
Surface temperature:	15,9	14,3	N.A.	N.A.	
Dew point:	9,6	7,5	N.A.	N.A.	
Relative humidity:	63,8	61,6	N.A.	N.A.	
Wet film thickness:	N.A.	75	N.A.	N.A.	
DFT Min/Max/Av [µm]:	121/157/138	N.A.	N.A.	N.A.	
Inspection date & time:	29/11/2024	N.A.	N.A.	N.A.	

Holiday test: Performed ☐ Not Performed ☑
Risultato: OK ☐ Not OK ☐

Adhesion Testing: ADTR-TSZA-001-A

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO		
Firma	ALEX SANNA FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.	On Behalf CW L. D'Alessandro ☐W ☐R	

ROSETTI MARINO	**PAINT APPLICATION REPORT** **COMPANY: HOLLANDSE KUST NOORD WIND PARK** **PROJECT: CROSSWIND** **JOB: 123A90**

Document number: TSZA-001-B	Pages: 1 of 10
Item description: TRANSITION PIECE FLANGE	Applicable Procedure: METHOD STATEMENT FOR BLASTING, THERMAL SPRAY ALUMINUM APPLICATION
Issued by: Alex Sanna	Issue date: 05/12/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex Nr.1

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: Garnet 20-40			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 61 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 16 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. See Annex Nr.3				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	04/12/2024 8:00	15,1	62,7	8,0	14,6
Conditioned	04/12/2024 12:00	17,3	60,8	9,7	16,5

TSZA	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	**AL/ZINC WIRE 85/15**	**PENGUARD TIE COAT 100**	N.A.	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	623016	3549211	N.A.	N.A.	
Expiration date:	N.A.	13/06/2026	N.A.	N.A.	
Batch Parte B:	N.A.	3540740	N.A.	N.A.	
Expiration date:	N.A.	16/06/2028	N.A.	N.A.	
Color:	METAL GREY	RED	N.A.	N.A.	
Application method:	METALISER	ROLLER	N.A.	N.A.	
Application date:	04/12/2024	04/12/2024	N.A.	N.A.	
Start / Stop time:	13:00	17:00	N.A.	N.A.	
Air temperature:	17,7	16,4	N.A.	N.A.	
Surface temperature:	17,2	15,9	N.A.	N.A.	
Dew point:	10,2	9,3	N.A.	N.A.	
Relative humidity:	61,3	62,8	N.A.	N.A.	
Wet film thickness:	N.A.	75	N.A.	N.A.	
DFT Min/Max/Av [µm]:	119/157/138	N.A.	N.A.	N.A.	
Inspection date & time:	04/12/2024	N.A.	N.A.	N.A.	

Holiday test: Performed ☐ Not Performed ☑
Risultato: OK ☐ Not OK ☐

Adhesion Testing: ADTR-TSZA-001-B

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto	On Behalf	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPAP 2735	C.W. L. D'Alessandro ☑W ☑R	

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: TSZA-001	Annex Nr.1	Pages: 3 of 10
Applicable ITP: 123A90-PML-QHSE-ITP-00074		Applicable Procedure: METHOD STATEMENT FOR BLASTING, THERMAL SPRAY ALUMINUM APPLICATION
Issued by: Alex Sanna		Issue date: 5/12/24

LIST OF ITEMS INSPECTED		
NAME / DESCRIPTION:	QUANTITY	DWG / LIST
TRANSITION PIECE FLANGE	1	K559-2254-ST-GAS-001

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore ~~Snam~~	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	~~C. BIANCO~~	
Firma	ALEX SANNA ROPE ACCESS CORROSION CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMR 2735		On Behalf L. D'Alessandro ☐W ☐R

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document Nr: TSZA-001-A	Annex n.2	Page 4 of 10	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

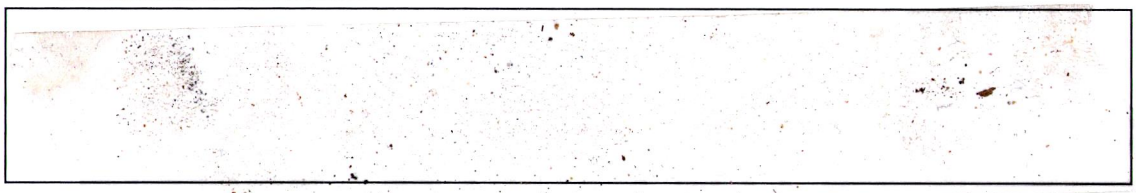
Test 1



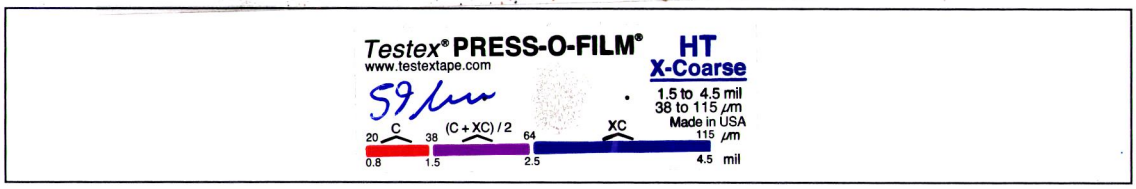
Test 2



Test 3



Test 4



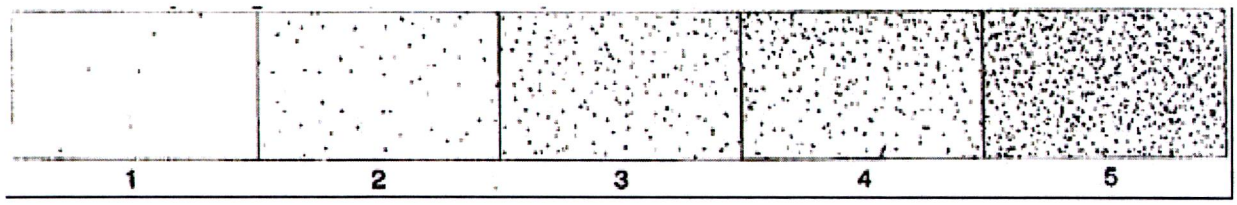
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

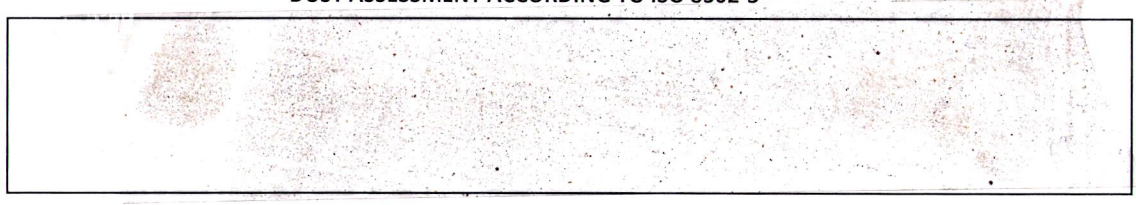
	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AnPP 2735	On Behalf L. D'Alessandro	

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document Nr: TSZA-001-B	Annex n.3	Page 5 of 10	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

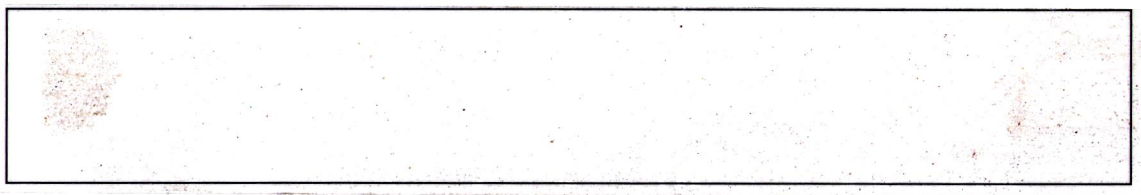
Test 1



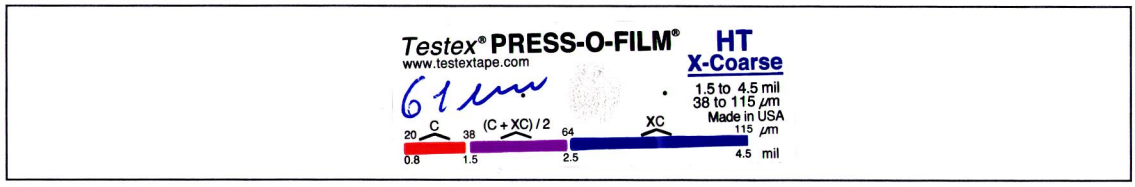
Test 2



Test 3



Test 4



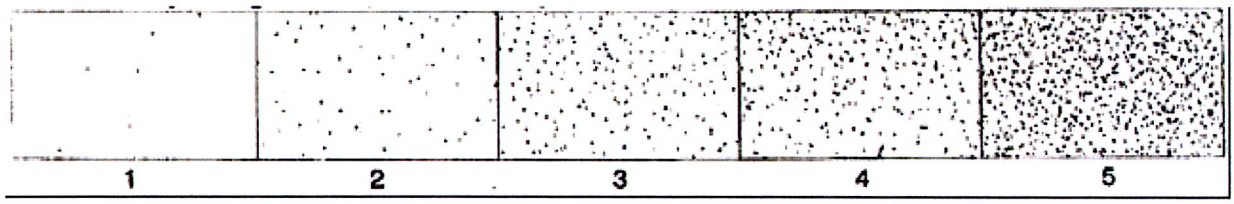
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

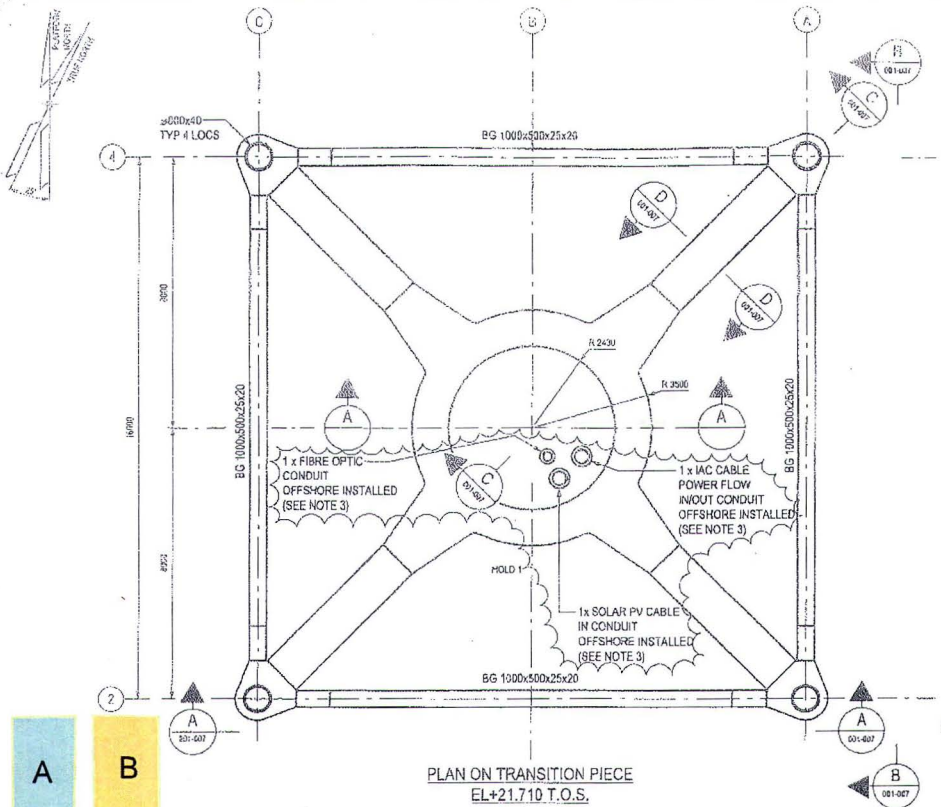
REFERENCE VALUES FOR THE QUANTITY OF DUST



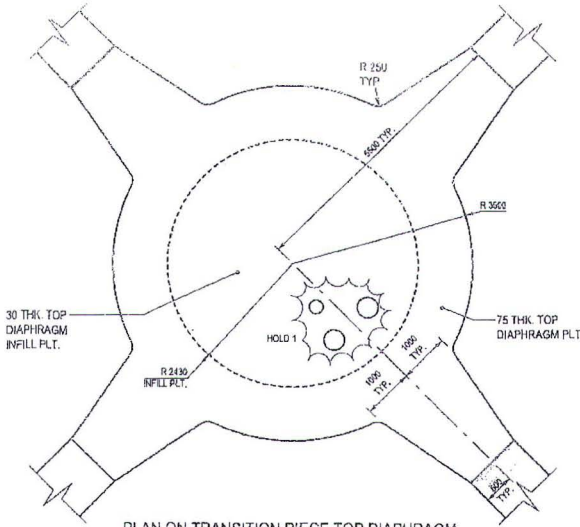
RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. ANPP 2735	On Behalf L. D'Alessandro ☑W ☑R	

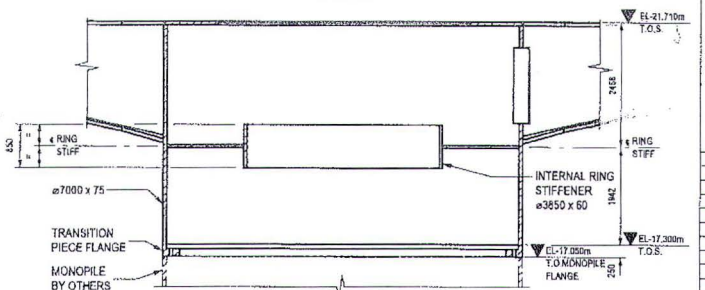
ALEX SANNA KRKA CERT. Nr. 702



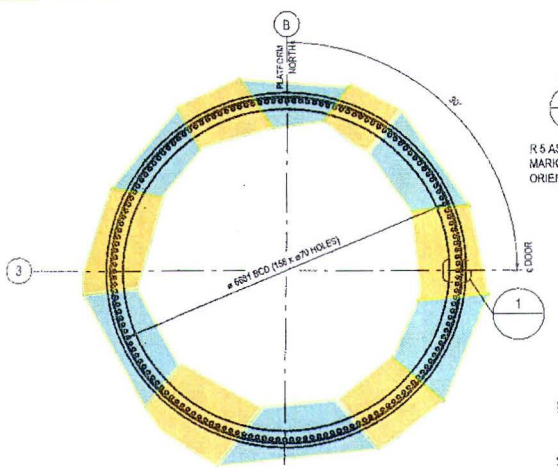
PLAN ON TRANSITION PIECE
EL+21.710 T.O.S.



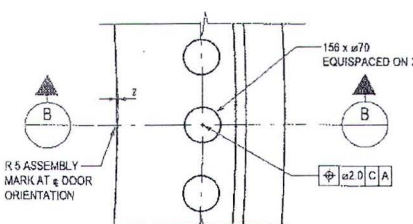
PLAN ON TRANSITION PIECE TOP DIAPHRAGM
EL+21.710 T.O.S.
SCALE 1:50



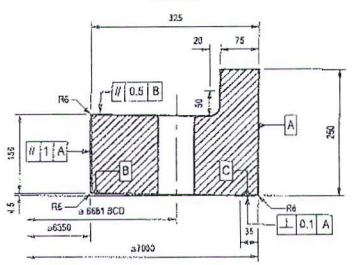
SECTION A
SCALE 1:50



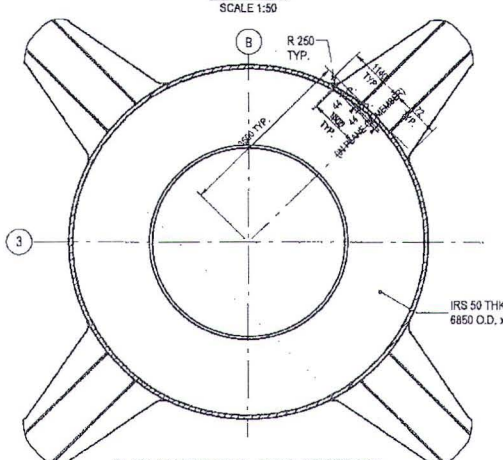
PLAN ON TRANSITION PIECE FLANGE
EL+17.300 T.O.S. U.N.O.
SCALE 1:50



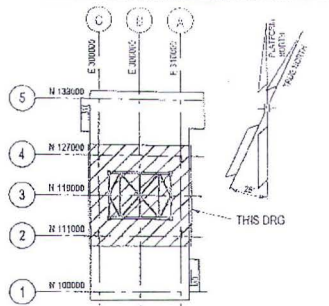
DETAIL 1
SCALE 1:5



SECTION B
SCALE 1:5



PLAN ON INTERNAL RING STIFFENER
SCALE 1:50



KEYPLAN

NOTES

1. FOR GENERAL NOTES REFER TO DRG No. K559-2254-ST-GAS-001-001
2. FOR DETAILS OF MONOPILE TOP FLANGE REFER TO VAN OORD DRAWING NUMBER 144671-VOOW-TF-ENG-DWG-1110

HOLDS

1. LOCATION, NUMBER AND SIZE OF CONDUITS TO BE CONFIRMED BY COMPANY.

REFERENCE DRAWINGS

REV	DATE	DESCRIPTIONS	ORG'D	CHK'D	APPR'D
1	23.03.23	ISSUED FOR INFORMATION	NC	MDKOS	JS
0	22.02.23	ISSUE FOR CLIENT REVIEW	NC	MDKOS	JS

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SHELL BLPH FEED
OFFSHORE TOPSIDES PRIMARY STEEL
TRANSITION PIECE

SCALE		DWG NO.:	SHEET	REV
FORMAT	A1	K559-2254-ST-GAS-001	001	1

S.C.S. S.r.l. Unipersonale
via Carmelitani Scalzi, 20
37122 VERONA
tel. e fax 045 - 8348452
e-mail: info@scs.vr.it

CERTIFICATO DI COLLAUDO
TEST REPORT

EN 10204 2005
N°. 0218/05/2023 DATA 30/05/23

CLIENTE: IMPRESA DONELLI S.R.L.

ORDINE: A saldo ordine di acquisto Nr. 567 del 11/05/2023

D.D.T. : 219 del 05/06/2023

MATERIALE: **kg. 2.700,0 filo in lega ZINCO/ALLUMINIO 85/15 dia. 2,31 mm**
Secondo EN UNI ISO 14919 – 2.1 – 2,31 - 1
Bobine D300 da 15 kg

COLATA: 623016

ANALISI CHIMICA DI COLATA:

Pb	Cd	Fe	Cu	Al	Sn	Mg	Zn	
0.0009	0.0012	0.0181	0.0003	15.2616	0.0003	0.0002	84.7056	%

CARATTERISTICHE MECCANICHE:

Resistenza a Trazione (Rm): 138,50 MPa
Allungamento % (A50): 68,50
Durezza: 30,60 HV

NOTE:

Le caratteristiche meccaniche sono riferite alla lega in vergella. Filo trafilato con tolleranze richieste dalla tecnologia di metallizzazione e imballato in bobine D300 da 15 kg.

S.C.S. S.r.l. Unipersonale
R.A.Q.
ing. Emilio Biraghi

S.C.S. Surface Coating Solutions S.r.l.
Via Carmelitani Scalzi, 20
37122 - VERONA
P. IVA 03508860230

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD TIECOAT 100 RED A 13L
Colour:
Production Date: 13/06/2024
Batch No: 3549211-1-*-1:2
Product Code: 0FGREDPVA
Best Before Date : 13/06/2026

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	82	80 - 180 cP
DENSITY-PYKNOMETER/ISO 2811-1	1584	1580 - 1630 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 5 h
GRINDOMETER/ISO 1524	20	- 80 um

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 10/09/2024**

Document number: **77345741**

Analysis number: **4347339**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD TIECOAT 100, CPB 6.5L
Colour:	
Production Date:	17/06/2024
Batch No:	3540740-1-*-1:2
Product Code:	0FGCPBGQA
Best Before Date :	16/06/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	903	890 - 910 kg/m3
DIN CUP 4	15	13 - 17 s
DRYING TIME/BECK KOLLER	3	3 - 5 h

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 10/09/2024**

Document number: **77345882**

Analysis number: **4333317**

JOTUN
Jotun Protects Property

Trieste, 10/09/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3563986-1-*-1:2	05/07/2024	04/07/2028
HARDTOP XP RAL 7035 A 18.2L	3581804-1-*-1:2	18/07/2024	17/07/2028
HARDTOP XP, COMP B 1.8L	3586736-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3586728-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3550791-1-*-1:2	17/06/2024	16/06/2028
PENGUARD UNI, COMP B 5L	3546405-1-*-1:2-2	12/07/2024	11/07/2028
PENGUARD UNI GREY A 15L	3365663-1-*-1:3-1	03/01/2024	02/01/2028
PENGUARD UNI GREY A 15L	3413788-1-*-1:2-2	17/02/2024	16/02/2028
BARRIER 80 S, EU COMP B 1.25L	3579042-1-*-1:2-2	13/07/2024	13/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
BARRIER 80 S GREY A 7.5L	3565748-1-*-1:2-3	06/07/2024	06/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9695118015	31/07/2024	30/07/2028
JOTUN THINNER NO. 10 20L	01D9694047035	13/07/2024	12/07/2028
PENGUARD TIECOAT 100 RED A 13L	3549211-1-*-1:2	13/06/2024	13/06/2026
PENGUARD TIECOAT 100, CPB 6.5L	3540740-1-*-1:2	18/06/2024	17/06/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_01.A	Pages: 1 of 22
Item description: LOWER DECK SOUTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 03/04/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 76 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 13,2 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	19/03/2024 7:00	21,8	54,2	12,1	20,9
Conditioned	20/03/2024 12:00	22,4	55,0	12,9	21,3

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3407381-1	3424163-1	3336076-1	N.A.	
Expiration date:	29/01/2026	26/02/2028	20/11/2027	N.A.	
Batch Parte B:	2887683-1	3402241-1	3344297-1	N.A.	
Expiration date:	30/08/2024	23/01/2028	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	20/03/2024	27/03/2024	29/04/2024	N.A.	
Start / Stop time:	12:00	12:00 / 17:00	08:00/17:30	N.A.	
Air temperature:	22,4	21,9	21,7	N.A.	
Surface temperature:	21,3	22,8	22,9	N.A.	
Dew point:	12,9	10,6	12,4	N.A.	
Relative humidity:	55	48,6	55,3	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	55/67/94	267/305/290	325/340/355	N.A.	
Inspection date & time:	27/03/2024	29/03/2024	03/04/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☑	Adhesion Testing:
Risultato:	OK ☐	Not OK ☐	

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto		
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. NACE 2735		

Testex® PRESS-O-FILM® HT X-Coarse www.testextape.com 1.5 to 4.5 mil 38 to 115 µm Made in USA

On Behalf L. D'Alessandro ☑W ☑R

ROSETTI MARINO	**PAINT APPLICATION REPORT** **COMPANY: HOLLANDSE KUST NOORD WIND PARK** **PROJECT: CROSSWIND** **JOB: 123A90**

Document number: B_01.C		Pages:	3 of 22
Item description: LOWER DECK SOUTH		Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna		Issue date: 03/04/2024	
Applicable ITP: 123A90-PML-QHSE-ITP-00074		Reference DWG: See Annex for drawings and treated areas	

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 72 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 14,4 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	23/03/2024 7:00	20,9	48,6	9,7	21,8
Conditioned	25/03/2024 16:00	21,1	46,0	9,0	22,7

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3397565-1	3424163-1	3340635-1	N.A.	
Expiration date:	18/01/2026	26/02/2028	23/11/2027	N.A.	
Batch Parte B:	2887683-1	3402241-1	3344297-1	N.A.	
Expiration date:	30/08/2024	23/01/2028	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	25/03/2024	28/03/2024	02/04/2024	N.A.	
Start / Stop time:	16:00	08:00/16:30	07:00/18:00	N.A.	
Air temperature:	21,1	22,7	21,7	N.A.	
Surface temperature:	22,7	23,7	22,9	N.A.	
Dew point:	9,0	11,1	12,4	N.A.	
Relative humidity:	46	47,8	55,3	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	47/63/96	250/280/295	320/330/340	N.A.	
Inspection date & time:	27/03/2024	29/03/2024	03/04/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☑
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO S.p.A. Alberto Renesto Quality Control Dept. MCC 2735	On Behalf CROSSWIND L. D'Alessandro ☑W ☐R	

Testex® PRESS-O-FILM® HT
www.testextape.com
X-Coarse
1.5 to 4.5 mil
38 to 115 µm
Made in USA
20 38 (C + XC) / 2 64 XC 115 µm
0.8 1.5 2.5 4.5 mil

ROSETTI MARINO

PAINT APPLICATION REPORT
COMPANY: HOLLANDSE KUST NOORD WIND PARK
PROJECT: CROSSWIND
JOB: 123A90

Document number: B_01.B	Pages: 2 of 22
Item description: LOWER DECK SOUTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 03/04/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)	Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50	Anchor Profile recorded [µm]: Medium G ISO 8503-1. 82 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.	Test for solublesalts [mg/m2]	Actual value: 18 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.		Max acceptable value: 20 [mg/m2]	

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	21/03/2024 7:00	21,2	49,9	10,3	22,2
Conditioned	22/03/2024 14:40	22,5	46,5	10,5	25,7

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3407381-1	3389769-1	3340635-1	N.A.	
Expiration date:	29/01/2026	14/01/2028	23/11/2027	N.A.	
Batch Parte B:	2887683-1	3347831-1	3344297-1	N.A.	
Expiration date:	30/08/2024	29/11/2024	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	22/03/2024	27/03/2024	02/04/2024	N.A.	
Start / Stop time:	14:40	08:00 / 17:00	08:00/17:30	N.A.	
Air temperature:	22,5	21,7	21,7	N.A.	
Surface temperature:	25,7	23,4	22,9	N.A.	
Dew point:	10,5	12,4	12,4	N.A.	
Relative humidity:	46,5	55,4	55,3	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	54/94/73	260/275/285	325/340/355	N.A.	
Inspection date & time:	27/03/2024	29/03/2024	03/04/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☑
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. D'ALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. MAC 2735	On Behalf CROSSWIND L. D'Alessandro ☑W ☐R	

Testex® PRESS-O-FILM® HT X-Coarse
www.testextape.com
1.5 to 4.5 mil
38 to 115 µm
Made in USA
20 38 64 (C + XC) / 2 XC 115 µm
0.8 1.5 2.5 4.5 mil

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90
Annex n.1/ Doc. B_01A	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4

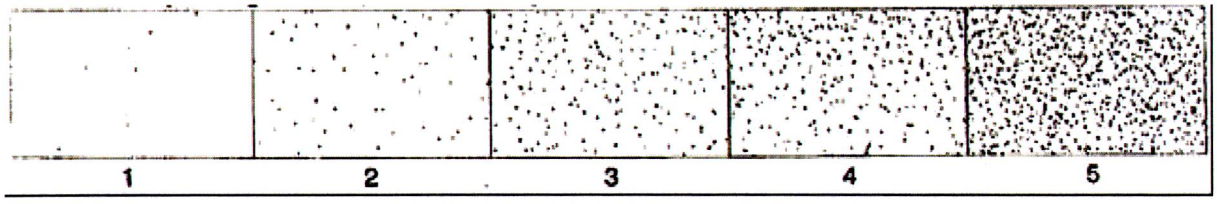
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Application	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. NACE 2735		

ALEX SANNA CERT. Nr. 7021

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_01C	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4

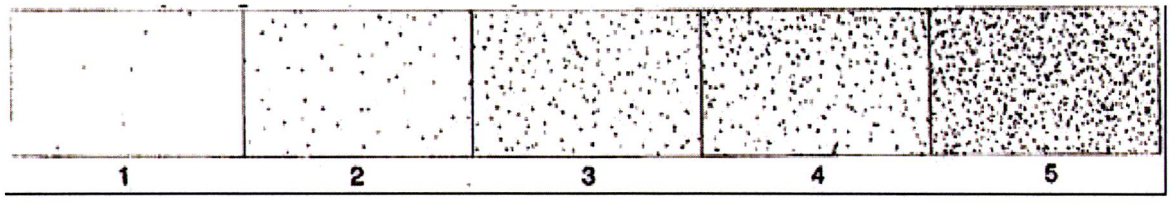
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. NACE 2735		

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_01B	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4

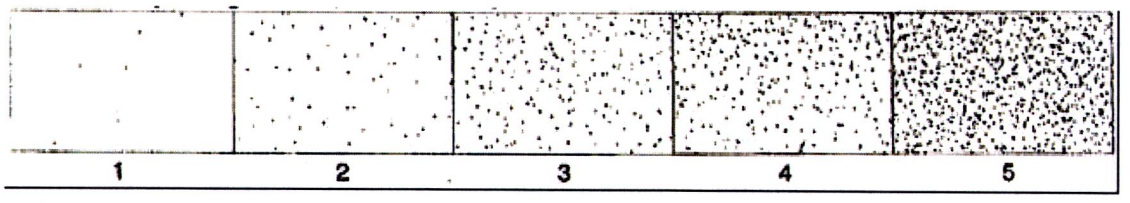
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



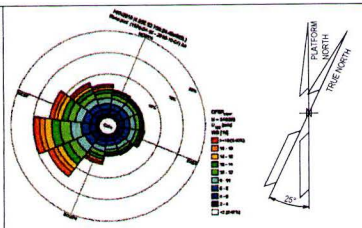
RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. INCE 2135		

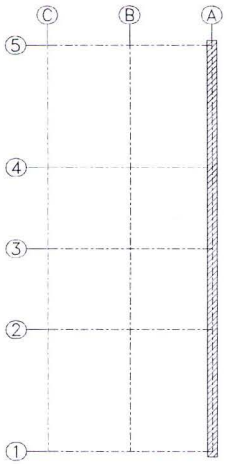
ALEX SANNA FROSINO CERT. Nr. 7021

DRAWING NO. 123A90-DDL-ST-DD-90042

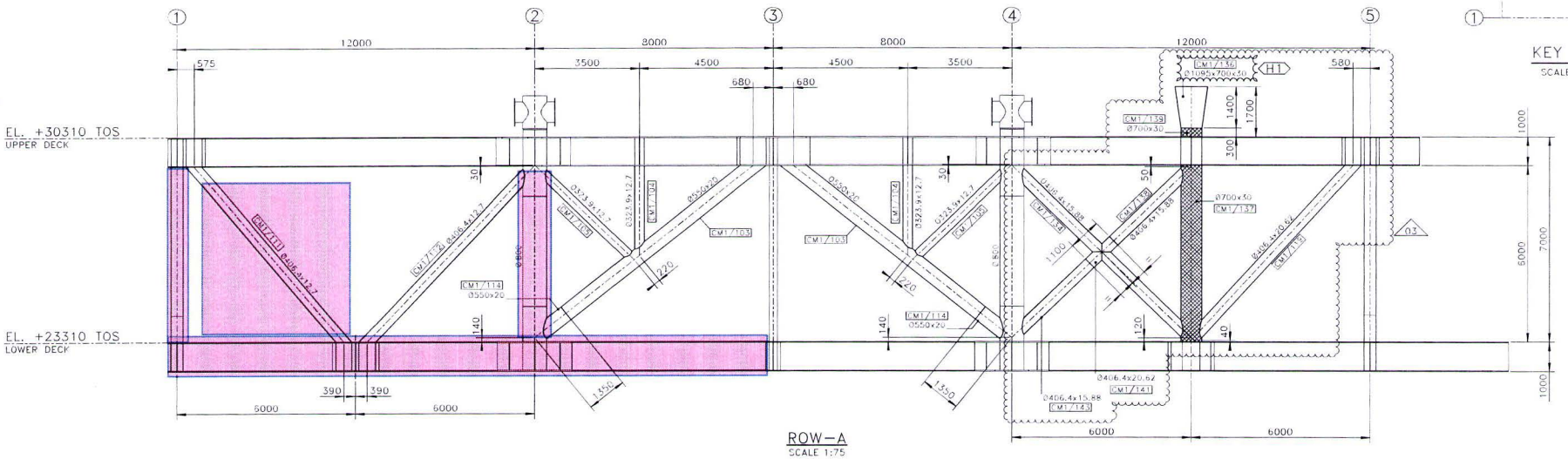
REV. 03



LDS



KEY PLAN
SCALE 1:250



ROW–A
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø700x30	DC1–I–420–40_Z
Ø550x20	DC2–II–420–20
Ø1095x700x30	DC2–II–420–40
Ø323.9x12.7	DC3–II–X52–20
Ø406.4x12.7	DC3–II–X52–20
Ø406.4x15.88	DC3–II–X52–20
Ø406.4x20.62	DC3–II–X52–20

HOLDS

1 – CONE FOR CRANE CONNECTION TO BE CONFIRMED BY CRANE VENDOR

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	25/03/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –A–

CONTRACT NO./TITLE CW–I–WP4–20.1–25/HOLLANDSE KUST NOORD WIND FARM | SCALE 1:75

DRAWN S.GRIFFINI | CHECKED A.MALZAROTTI | APPROVED D.LO STENZO | DATE 25/03/24

A1 | DRAWING NO. 123A90–DDL–ST–DD–90042 | SHEET 001 | REV. 03

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ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: A_01_	Pages: 4 of 22
Item description: LOWER DECK SOUTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 03/04/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

LIST OF ITEMS INSPECTED

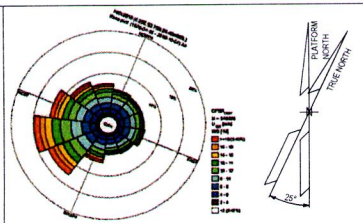
NAME / DESCRIPTION:	QUANTITY	DWG / LIST
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -A-	1	123A90-DDL-ST-DD-90042
BASE LOAD POWER HUB TOPSIDE - SECONDARY STEEL PLAN AT EL. +23310 T.D.S. - SCHET 2	1	123A90-DDL-ST-DD-90241
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -C-	1	123A90-DDL-ST-DD-90044
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -1-	1	123A90-DDL-ST-DD-90045
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -2 & 4-	1	123A90-DDL-ST-DD-90048

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

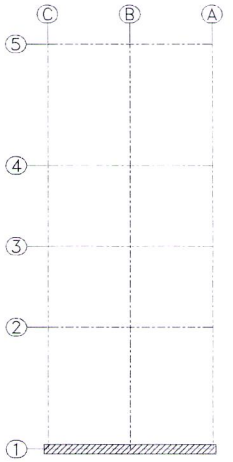
	QC Applicatore	QC Rosetti Marino	Ispettore Snam	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	On Behalf G. BIANCO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO S.p.A. Alberto Renesto Quality Control Dept. NACE 2735	L. D'Alessandro ☐W ☐R	

DRAWING NO. 123A90-DDL-ST-DD-90045

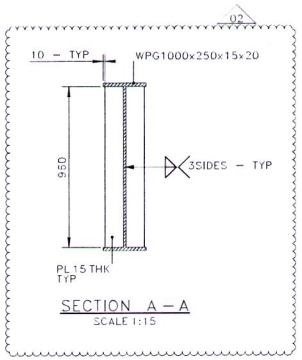
REV. 02



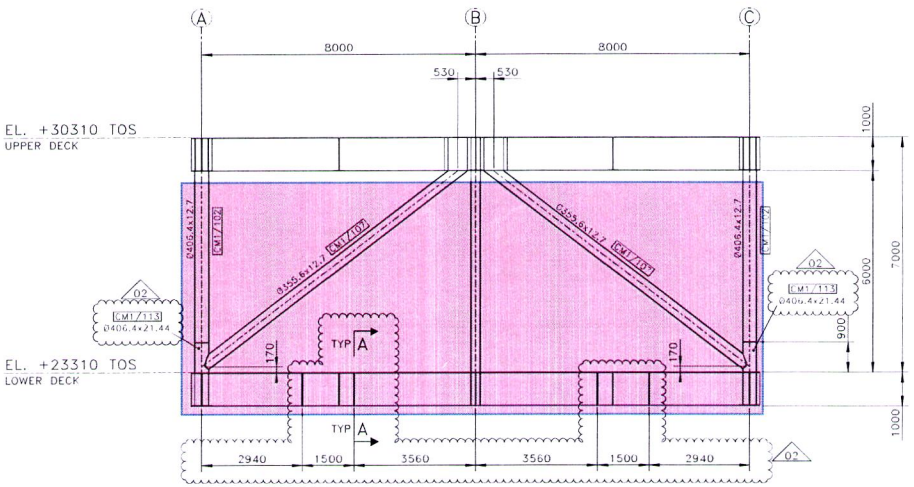
LDS



KEY PLAN
SCALE 1:250



SECTION A – A
SCALE 1:15



ROW – 1
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø355.6x12.7	DC3-II-X52-20
Ø406.4x12.7	DC3-II-X52-20
Ø406.4x21.44	DC3-II-X52-20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

tecon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –1–

CONTRACT NO./TITLE CW-4-WP4-20.1-05/HOLLANDSE KUST NOORD WIND FARM | SCALE 1:75

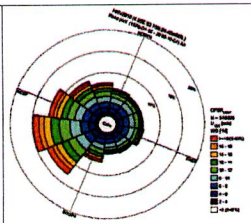
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.DI STEFANO | DATE 15/02/24

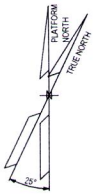
A1 | DRAWING NO. 123A90-DDL-ST-DD-90045 | SHEET 001 | REV. 02

FILE NAME: 123A90-DDL-ST-DD-90045-02.dwg

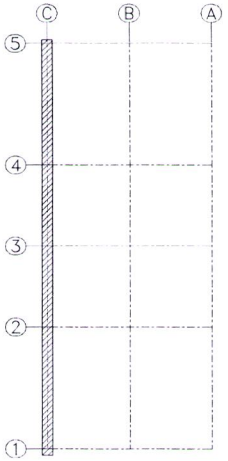
DRAWING NO. 123A90-DDL-ST-DD-90044

REV. 02

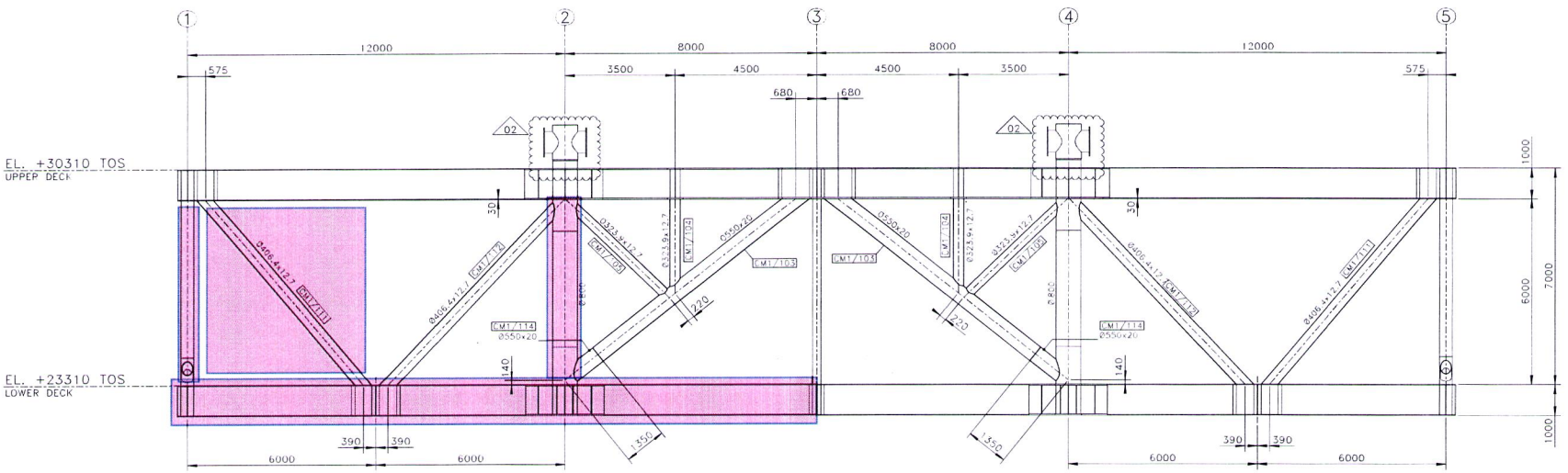




LDS



KEY PLAN
SCALE 1:250



ROW–C
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø550x20	DC2–H–420–20
Ø323.9x12.7	DC3–H–X52–20
Ø406.4x12.7	DC3–H–X52–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

tecon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –C–

CONTRACT NO./TITLE CW-I-WP4-20_2-05/HOLLANDSE KUST NOORD WIND FARL | SCALE 1:75

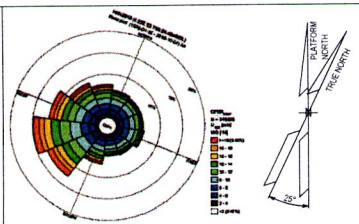
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 15/02/24

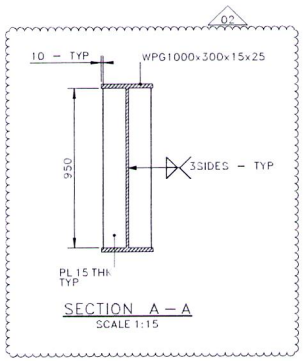
A1 | DRAWING NO. 123A90–DDL–ST–DD–90044 | SHEET 001 | REV. 02

File Name : 123A90-DDL-ST-DD-90044_02.dwg

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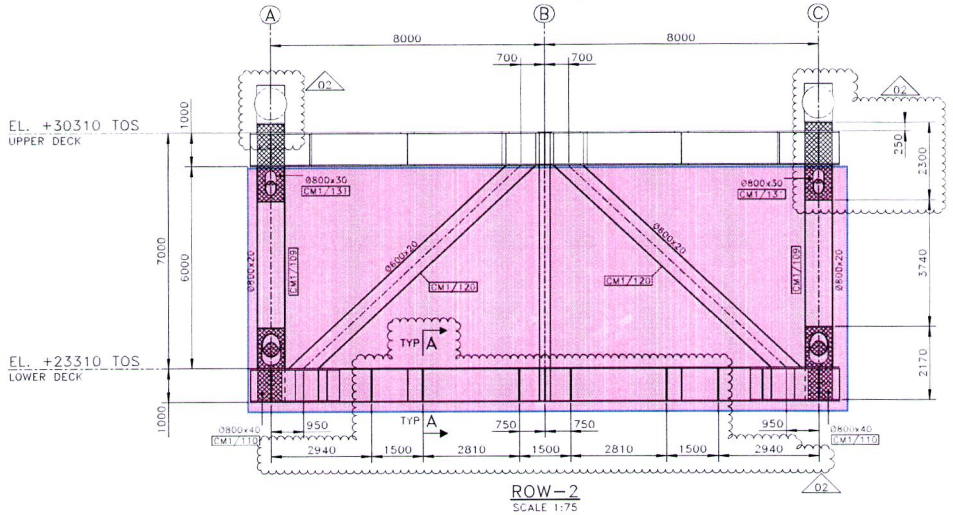
REV. 02



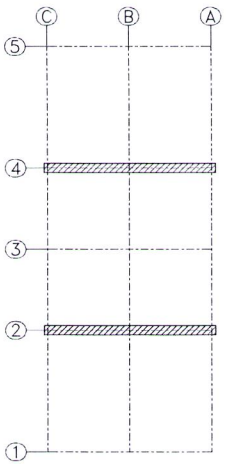


SECTION A – A
SCALE 1:15

LDS

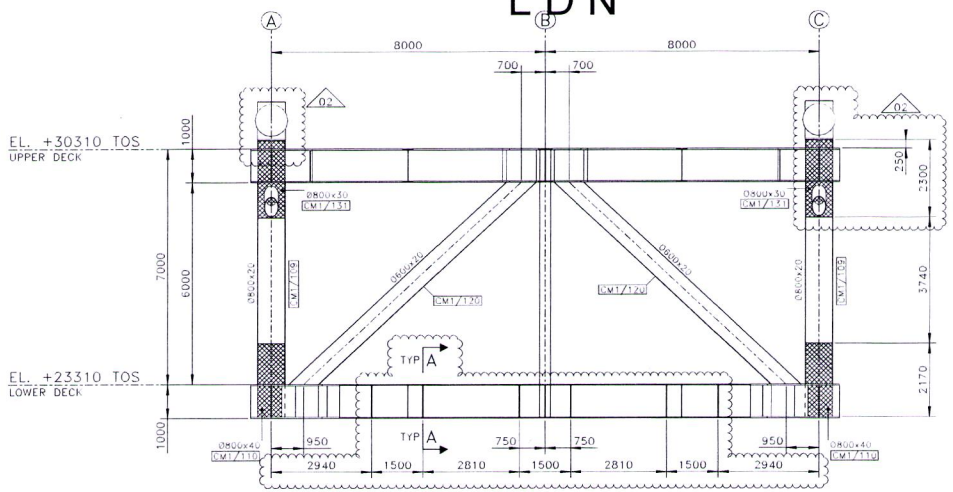


ROW–2
SCALE 1:75



KEY PLAN
SCALE 1:250

LDN



ROW–4
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS (U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL STRUCTURAL MEMBERS NOTED ▨ SHALL HAVE –Z PROPERTIES–.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø800x30	DC1–I–420–40_Z
Ø800x40	DC1–I–420–40_Z
Ø600x20	DC2–II–420–20
Ø800x20	DC2–II–420–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –2 & 4–

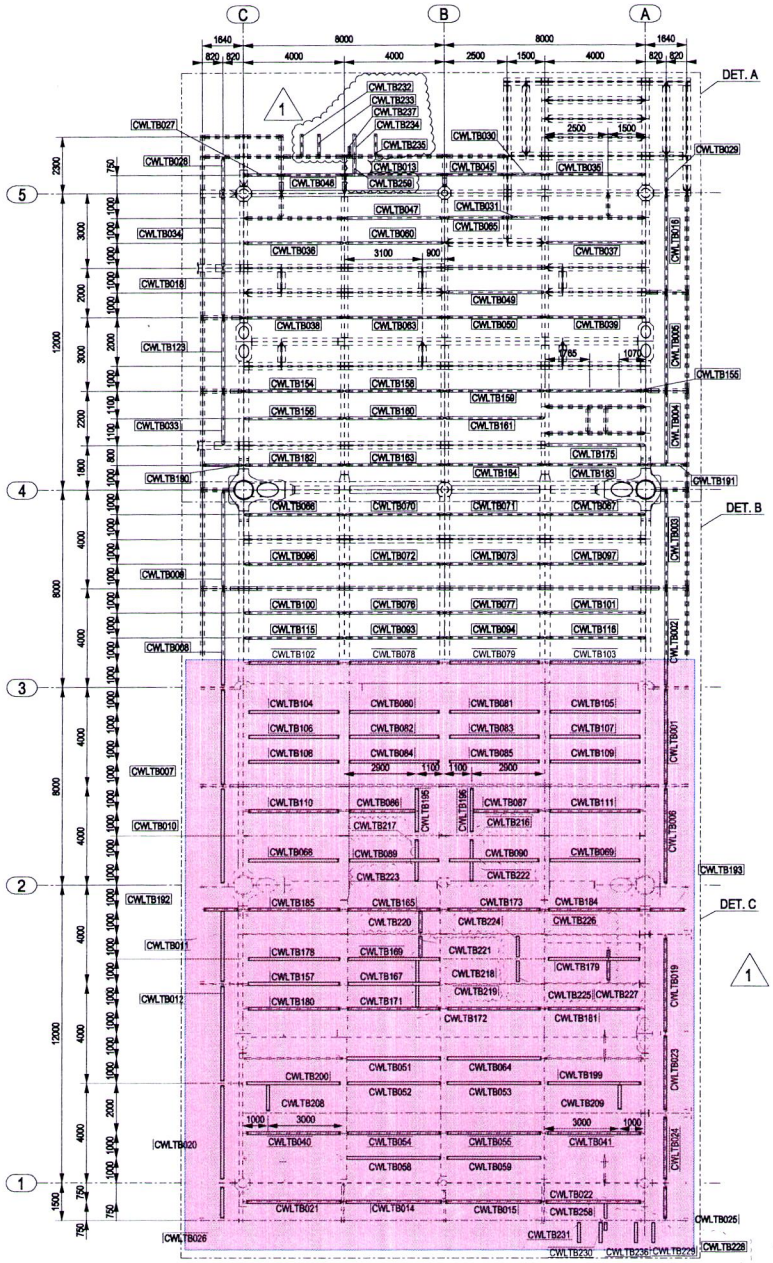
CONTRACT NO./TITLE CW-I-WP4-0033-02/HOLLANDSE KUST NOORD WIND FARM	SCALE 1:100
DRAWN S.GRIFFINI / CHECKED A.BALZAROTTI / APPROVED D.LO STERZO	DATE 15/02/24

A1	DRAWING NO. 123A90-DDL-ST-DD-90048	SHEET 001	REV. 02

FILE NAME = 123A90-DDL-ST-DD-90048_02.dwg

LDN

LDS

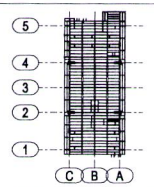


PLAN AT EL.+23310 TOS

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR MARKS LIST SEE DWG 123A90-FDL-ST-DD-90240
4 – FOR DETAILS SEE 123A90-FDL-ST-DD-90242 TO 90244

KEY PLAN



PLAN AT EL.+23310 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90104	TOPSIDE-SECONDARY STEEL PLAN AT EL.+23310 TOS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	05/03/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
0	31/01/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOP SIDES – TERTIARY PLAN AT EL. +23310 TOS
ASSEMBLY TERTIARY

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:100
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 05/03/2024

A1	DRAWING NO. 123A90-FDL-ST-DD-90241	SHEET 001	REV. 1

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 28/11/2023
Batch No: 3344297-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 27/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	609	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1137	1110 - 1150 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Holloway, Dave
QC-laboratory

Document number: **75609404**

Analysis number: **4022028**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 24/11/2023
Batch No: 3340635-1-*-1:3
Product Code: 0UV967UMA
Best Before Date : 23/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	320	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1363	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.35	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609425** Analysis number: **4021791**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 21/11/2023
Batch No: 3336076-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 20/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	300	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1360	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	0.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Lee, Paul
QC-laboratory

Document number: **75609361**

Analysis number: **4016045**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	26/08/2022
Batch No:	2887683-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	25/08/2024

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	930	912 - 952 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609140**

Analysis number: **3458161**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	30/11/2023
Batch No:	3347831-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	29/11/2027

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	960	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609488**

Analysis number: **4026577**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	23/01/2024
Batch No:	3402241-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	22/01/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609529**

Analysis number: **4107435**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S GREY A 7.5L
Colour:	
Production Date:	19/01/2024
Batch No:	3397565-1-*-1:2
Product Code:	6BRGREHQA
Best Before Date :	18/01/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2646	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	137	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609107**

Analysis number: **4103372**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI GREY A 15L
Colour:	
Production Date:	12/01/2024
Batch No:	3389769-1-*-1:2
Product Code:	0R5GRERVA
Best Before Date :	11/01/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	675	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	60	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609492**

Analysis number: **4086069**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 26/02/2024
Batch No: 3424163-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 25/02/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	760	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609501** Analysis number: **4143420**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S GREY A 7.5L
Colour:	
Production Date:	30/01/2024
Batch No:	3407381-1-*-1:2
Product Code:	6BRGREHQA
Best Before Date :	29/01/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2740	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	450	400 - um
VISCOSITY STORMER/ASTM D 562	124	120 - 141 KU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Holloway, Dave
QC-laboratory

Document number: **75609352**

Analysis number: **4115785**

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_02.A	Pages: 1 of 22
Item description: LOWER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 23/04/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 77 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 18,6 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	09/04/2024 7:00	22,6	57,4	13,8	22,8
Conditioned	10/04/2024 12:00	23,2	54,6	13,6	23,7

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3407381-1	3424163-1	3336076-1	N.A.	
Expiration date:	29/01/2026	26/02/2028	20/11/2027	N.A.	
Batch Parte B:	2887683-1	3402241-1	3344297-1	N.A.	
Expiration date:	30/08/2024	23/01/2028	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	10/04/2024	18/04/2024	19/04/2024	N.A.	
Start / Stop time:	12:00	10:00 / 17:30	10:00/17:30	N.A.	
Air temperature:	23,2	22,7	23,1	N.A.	
Surface temperature:	23,7	23	23,3	N.A.	
Dew point:	13,6	13,8	12,4	N.A.	
Relative humidity:	54,6	57,1	54,8	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	59/71/104	271/303/316	336/367/381	N.A.	
Inspection date & time:	11/04/2024	19/04/2024	23/04/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐ Risultato: OK ☐ Not OK ☐	Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto		
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_02.B	Pages: 2 of 22
Item description: LOWER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 23/04/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 78 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 17 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	12/04/2024 7:00	20,4	57,8	11,8	21
Conditioned	13/04/2024 13:30	23,1	48,6	11,7	23,4

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3407381-1	3389769-1	3340635-1	N.A.	
Expiration date:	29/01/2026	14/01/2028	23/11/2027	N.A.	
Batch Parte B:	2887683-1	3347831-1	3344297-1	N.A.	
Expiration date:	30/08/2024	29/11/2024	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	13/04/2024	18/04/2024	19/04/2024	N.A.	
Start / Stop time:	13:30	10:00 / 17:30	10:00/17:30	N.A.	
Air temperature:	23,1	22,7	23,1	N.A.	
Surface temperature:	23,4	23	23,3	N.A.	
Dew point:	11,7	13,8	13,5	N.A.	
Relative humidity:	48,6	57,1	54,8	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	56/79/98	271/306/322	336/367/381	N.A.	
Inspection date & time:	14/04/2024	19/04/2024	23/04/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐ Risultato: OK ☐ Not OK ☐	Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPP 2733		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_02.C	Pages: 3 of 22
Item description: LOWER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 23/04/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)	Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50	Anchor Profile recorded [µm]: Medium G ISO 8503-1. 79 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.	Test for solublesalts [mg/m2]	Actual value: 15,7 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.		Max acceptable value: 20 [mg/m2]	

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	14/04/2024 7:00	21,9	50,2	11,1	22
Conditioned	15/04/2024 14:00	20,4	48,1	9,1	21,1

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3397565-1	3424163-1	3340635-1	N.A.	
Expiration date:	18/01/2026	26/02/2028	23/11/2027	N.A.	
Batch Parte B:	2887683-1	3402241-1	3344297-1	N.A.	
Expiration date:	30/08/2024	23/01/2028	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	15/04/2024	16/04/2024	19/04/2024	N.A.	
Start / Stop time:	14:00	11:00/17:00	10:00/17:30	N.A.	
Air temperature:	20,4	21,5	23,1	N.A.	
Surface temperature:	21,1	22,2	23,3	N.A.	
Dew point:	9,1	12,0	13,5	N.A.	
Relative humidity:	48,1	54,7	54,8	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	51/68/94	244/299/315	320/330/340	N.A.	
Inspection date & time:	16/04/2024	19/04/2024	03/04/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: A_01_	Pages: 4 of 22
Item description: LOWER DECK SOUTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 03/04/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

LIST OF ITEMS INSPECTED

NAME / DESCRIPTION:	QUANTITY	DWG / LIST
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -A-	1	123A90-DDL-ST-DD-90042
BASE LOAD POWER HUB TOPSIDE - SECONDARY STEEL PLAN AT EL. +23310 T.D.S. - SCHET 2	1	123A90-DDL-ST-DD-90241
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -C-	1	123A90-DDL-ST-DD-90044
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -8-	1	123A90-DDL-ST-DD-90043
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -2 & 4-	1	123A90-DDL-ST-DD-90048

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore [illegible]	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	[illegible]	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept ANPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_02A	Issued by: Alex Sanna

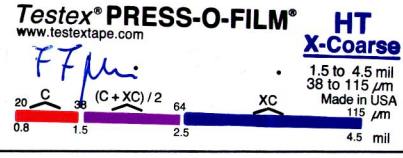
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



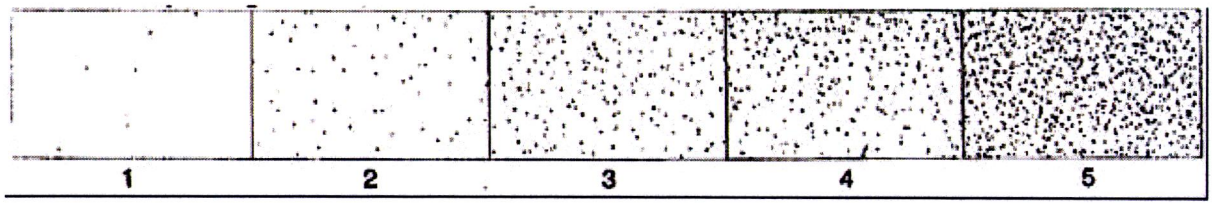
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	**2** ☐	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☐	**3** ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	**2** ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	**3** ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIONE CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. A-III 2435		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_02B	Issued by: Alex Sanna

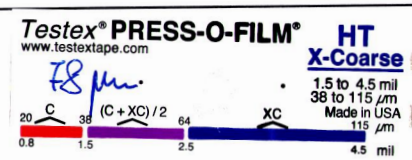
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



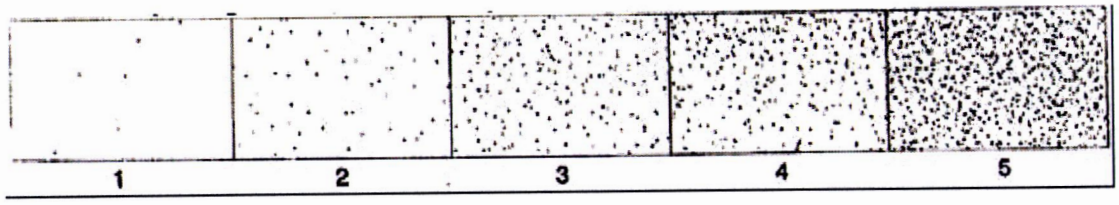
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2	3	4	# 5
Evaluation of dust quantities:	1 ☐	2	3	4	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☐	2 ✓	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ✓	2 ☐	3	4	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ✓ **NOT CONFORMING** __

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. Appr 2735		

ALEX SANNA PROSIO CERT. Nr. 7021

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_02C	Issued by: Alex Sanna

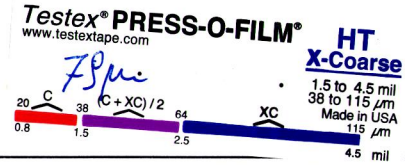
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



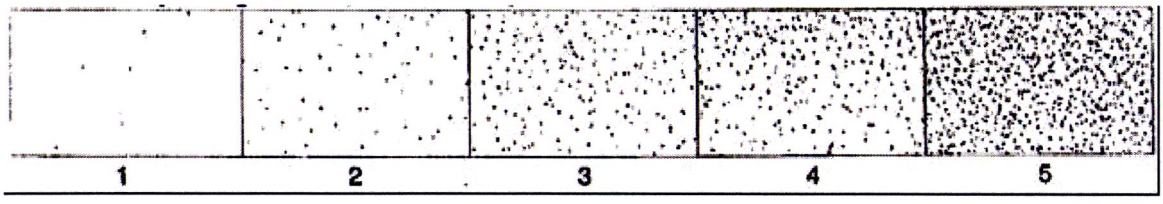
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. ATIR 2735		

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 26/08/2022
Batch No: 2887683-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 25/08/2024

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	930	912 - 952 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609140**

Analysis number: **3458161**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 12/01/2024
Batch No: 3389769-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 11/01/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	675	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	60	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609492**

Analysis number: **4086069**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S GREY A 7.5L
Colour:	
Production Date:	19/01/2024
Batch No:	3397565-1-*-1:2
Product Code:	6BRGREHQA
Best Before Date :	18/01/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2646	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	137	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609107**

Analysis number: **4103372**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 26/02/2024
Batch No: 3424163-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 25/02/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	760	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609501**

Analysis number: **4143420**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 23/01/2024
Batch No: 3402241-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 22/01/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609529**

Analysis number: **4107435**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 30/01/2024
Batch No: 3407381-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 29/01/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2740	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	450	400 - um
VISCOSITY STORMER/ASTM D 562	124	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Holloway, Dave
QC-laboratory

Document number: **75609352**

Analysis number: **4115785**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 28/11/2023
Batch No: 3344297-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 27/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	609	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1137	1110 - 1150 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Holloway, Dave
QC-laboratory

Document number: **75609404**

Analysis number: **4022028**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 30/11/2023
Batch No: 3347831-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 29/11/2027

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	960	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609488**

Analysis number: **4026577**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 21/11/2023
Batch No: 3336076-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 20/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	300	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1360	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	0.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Lee, Paul
QC-laboratory

Document number: **75609361**

Analysis number: **4016045**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 24/11/2023
Batch No: 3340635-1-*-1:3
Product Code: 0UV967UMA
Best Before Date : 23/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	320	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1363	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.35	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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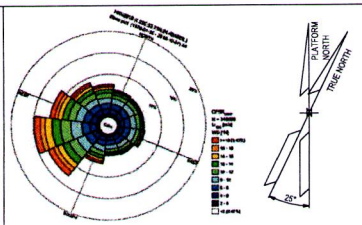
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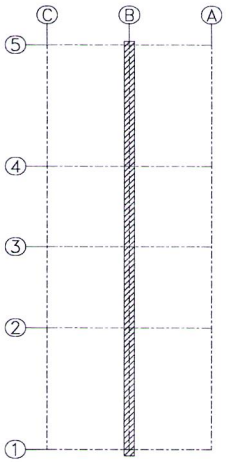
Document number: **75609425**

Analysis number: **4021791**

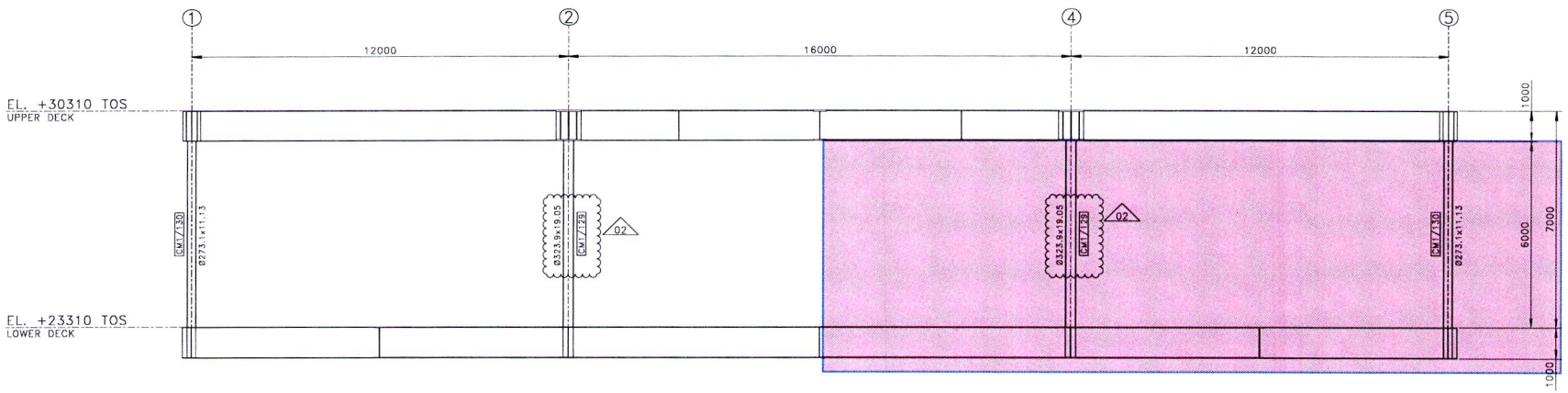
DRAWING No. 123A90-DDL-ST-DD-90043

REV. 02





KEY PLAN
SCALE 1:250



ROW–B
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	~~MATERIAL DESIGNATION~~
Ø273.1x11.13	DC3–II–X52–0
Ø323.9x19.05	DC3–II–X52–20

02

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –B–

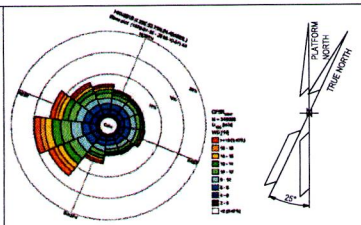
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75

DRAWN S.GRIFFINI | CHECKED A.RAJZAROTH | APPROVED D.I.D STERZO | DATE 15/02/24

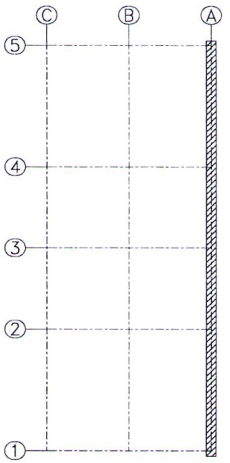
A1 | DRAWING NO. 123A90-DDL-ST-DD-90043 | SHEET 001 | REV. 02

File Name : 123A90-DDL-ST-DD-90043_02.dwg

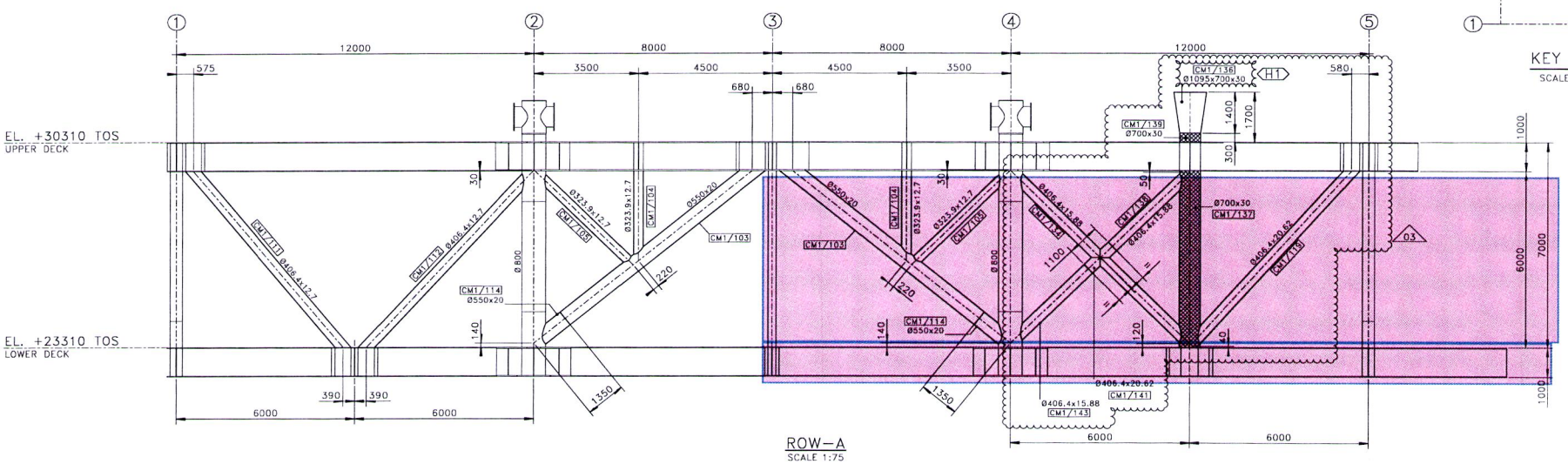
DRAWING NO. 123A90-DDL-ST-DD-90042 | REV. 03



LDS



KEY PLAN
SCALE 1:250



NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø700x30	DC1–I–420–40_Z
Ø550x20	DC2–II–420–20
Ø1095x700x30	DC2–II–420–40
Ø323.9x12.7	DC3–II–X52–20
Ø406.4x12.7	DC3–II–X52–20
Ø406.4x15.88	DC3–II–X52–20
Ø406.4x20.62	DC3–II–X52–20

HOLDS

1 – CONE FOR CRANE CONNECTION TO BE CONFIRMED BY CRANE VENDOR

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	25/03/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –A–

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75

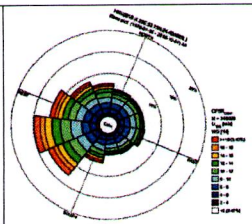
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 25/03/24

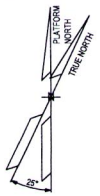
A1 | DRAWING NO. 123A90-DDL-ST-DD-90042 | SHEET 001 | REV. 03

File Name : 123A90-DDL-ST-DD-90042_03.dwg

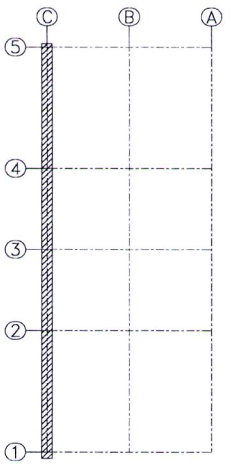
DRAWING NO. 123A90-DDL-ST-DD-90044

REV. 02

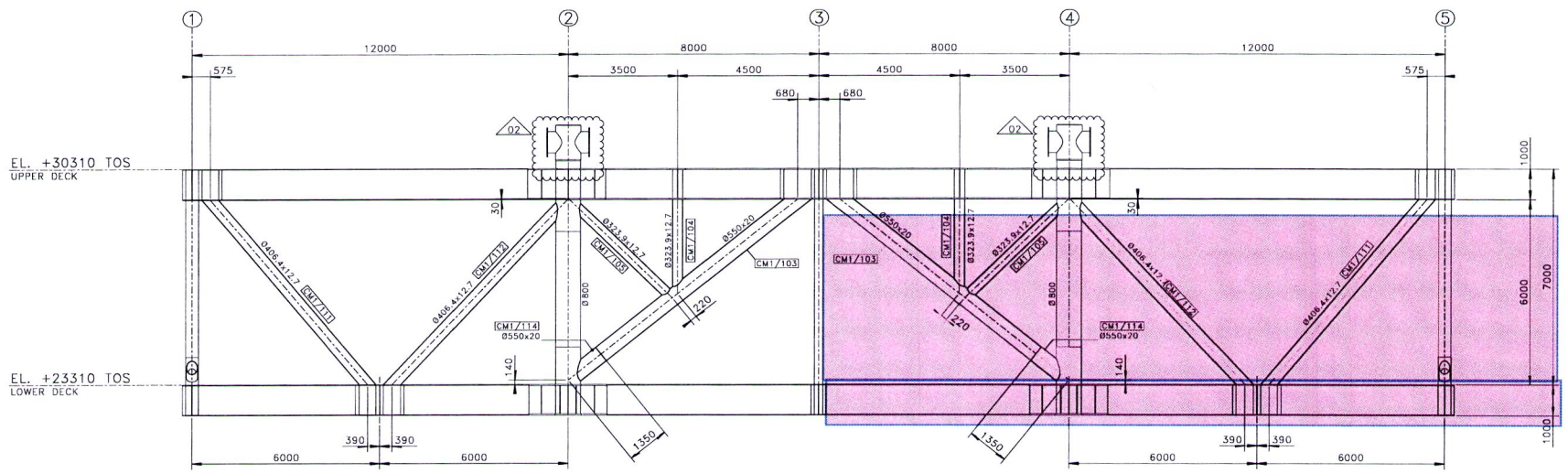




LDS



KEY PLAN
SCALE 1:250



ROW–C
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø550x20	DC2–II–420–20
Ø323.9x12.7	DC3–II–X52–20
Ø406.4x12.7	DC3–II–X52–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –C–

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75

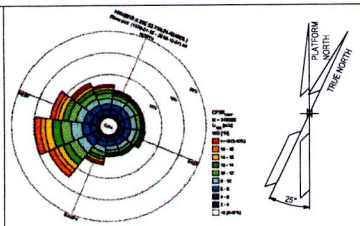
DRAWN S.GRIFFINI | CHECKED A.HALZAROTH | APPROVED D.D.O STERZO | DATE 15/02/24

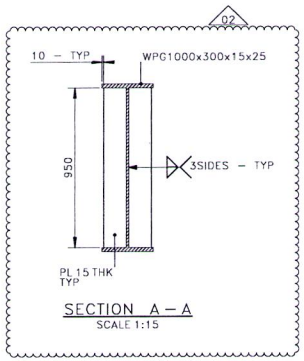
A1 | DRAWING NO. 123A90-DDL-ST-DD-90044 | SHEET 001 | REV. 02

File Name : 123A90-DDL-ST-DD-90044_02.dwg

DRAWING NO. 123A90-DDL-ST-DD-90048

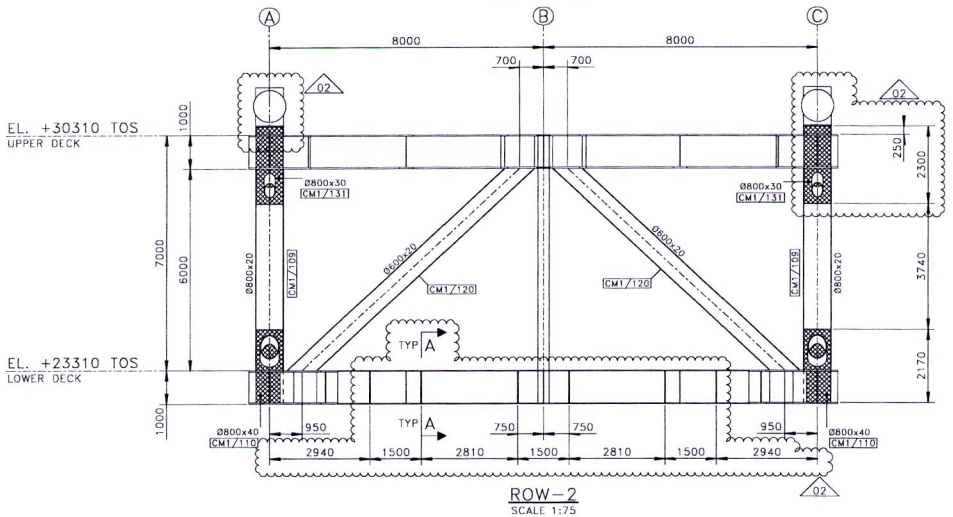
REV. 02



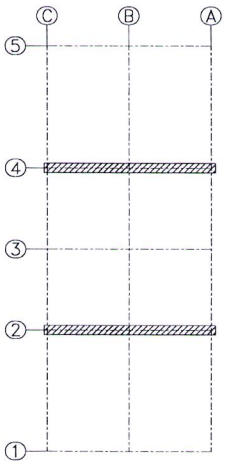


SECTION A – A
SCALE 1:15

LDS

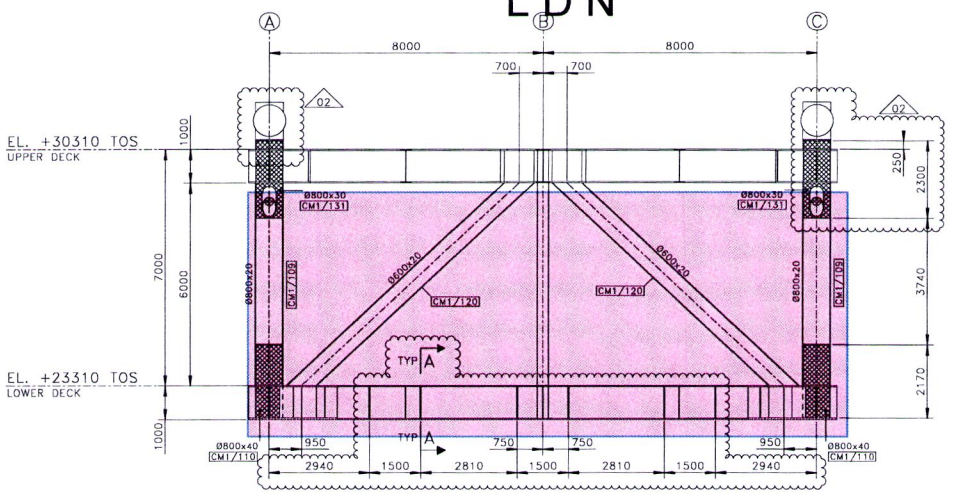


ROW–2
SCALE 1:75



KEY PLAN
SCALE 1:250

LDN



ROW–4
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL STRUCTURAL MEMBERS NOTED ▨ SHALL HAVE –Z PROPERTIES–.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø800x30	DC1–I–420–40_Z
Ø800x40	DC1–I–420–40_Z
Ø600x20	DC2–II–420–20
Ø800x20	DC2–II–420–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –2 & 4–

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:100

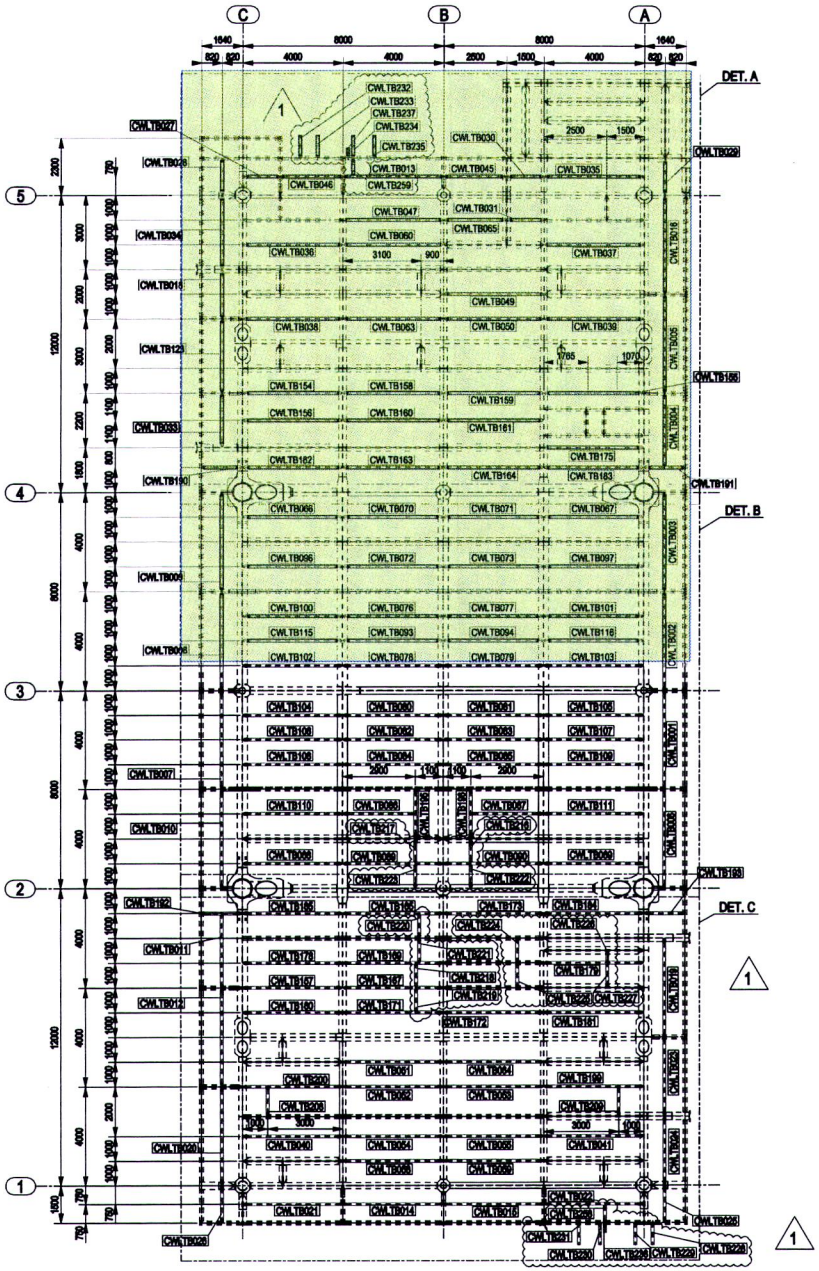
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.I.O STERZO | DATE 15/02/24

A1 | DRAWING NO. 123A90–DDL–ST–DD–90048 | SHEET 001 | REV. 02

File Name: 123A90-DDL-ST-DD-90048_02.dwg

LDN

LDS


C
B
A
1640
8000
8000
1640
820
820
4000
4000
2500
1500
4000
820
820
DET. A
DET. B
DET. C
5
4
3
2
1
CWL.TB027
CWL.TB028
CWL.TB029
CWL.TB030
CWL.TB035
CWL.TB045
CWL.TB046
CWL.TB259
CWL.TB047
CWL.TB031
CWL.TB055
CWL.TB060
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CWL.TB053
CWL.TB050
CWL.TB039
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CWL.TB158
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CWL.TB018
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CWL.TB190
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CWL.TB008
CWL.TB007
CWL.TB010
CWL.TB182
CWL.TB011
CWL.TB012
CWL.TB020
CWL.TB026
CWL.TB183
CWL.TB185
CWL.TB016
CWL.TB123
CWL.TB033
CWL.TB005
CWL.TB004
CWL.TB003
CWL.TB002
CWL.TB001
CWL.TB015
CWL.TB013
CWL.TB045
CWL.TB030
CWL.TB029
CWL.TB035

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_03.A	Pages: 1 of 18
Item description: UPPER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 20/05/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 69 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 17,5 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	06/05/2024 7:00	20,7	55,1	11,4	20,9
Conditioned	07/05/2024 13:30	22,8	47,7	11,1	23,1

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3410797-1	3389769-1	3476703-1	N.A.	
Expiration date:	01/02/2026	11/01/2028	18/04/2028	N.A.	
Batch Parte B:	2887683-1	3347831-1	3509693-1	N.A.	
Expiration date:	25/08/2024	29/11/2027	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	07/05/2024	14/05/2024	17/05/2024	N.A.	
Start / Stop time:	13:30	11:00 / 18:00	9:30/16:30	N.A.	
Air temperature:	22,8	21,4	22,9	N.A.	
Surface temperature:	23,1	22,1	234	N.A.	
Dew point:	11,1	10,9	11,9	N.A.	
Relative humidity:	47,7	51,3	49,9	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	56/69/96	265/307/312	322/370/385	N.A.	
Inspection date & time:	14/05/2024	17/05/2024	20/05/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto		
Firma	ALEX SANNA ARA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_03.B	Pages: 2 of 18
Item description: UPPER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 20/05/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 71 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 19 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	08/05/2024 7:00	21,4	51,3	10,9	22,1
Conditioned	09/05/2024 13:30	22,0	49,4	10,9	22,7

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3410797-1	3389769-1	3476703-1	N.A.	
Expiration date:	01/02/2026	11/01/2028	18/04/2028	N.A.	
Batch Parte B:	2887683-1	3347831-1	3509693-1	N.A.	
Expiration date:	25/08/2024	29/11/2027	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	09/05/2024	14/05/2024	17/05/2024	N.A.	
Start / Stop time:	13:30	11:00 / 18:00	9:30/16:30	N.A.	
Air temperature:	22	21,4	22,9	N.A.	
Surface temperature:	22,7	22,1	234	N.A.	
Dew point:	10,9	10,9	11,9	N.A.	
Relative humidity:	49,4	51,3	49,9	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	59/73/104	269/296/319	336/367/379	N.A.	
Inspection date & time:	14/05/2024	17/05/2024	20/05/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_03.C	Pages: 3 of 18
Item description: UPPER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 20/05/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 73 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 16,7 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	10/05/2024 8:00	22,1	49,7	11,1	22,9
Conditioned	11/05/2024 11:00	22,4	47,6	10,7	23,0

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3410797-1	3389769-1	3476703-1	N.A.	
Expiration date:	01/02/2026	11/01/2028	18/04/2028	N.A.	
Batch Parte B:	2887683-1	3347831-1	3509693-1	N.A.	
Expiration date:	25/08/2024	29/11/2027	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	11/05/2024	14/05/2024	17/05/2024	N.A.	
Start / Stop time:	11:00	11:00 / 18:00	9:30/16:30	N.A.	
Air temperature:	22,4	21,4	22,9	N.A.	
Surface temperature:	23	22,1	234	N.A.	
Dew point:	10,7	10,9	11,9	N.A.	
Relative humidity:	47,6	51,3	49,9	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	51/68/94	234/285/327	316/342/361	N.A.	
Inspection date & time:	14/05/2024	17/05/2024	20/05/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_03C	Issued by: Alex Sanna

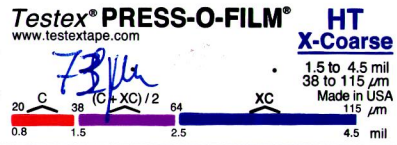
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



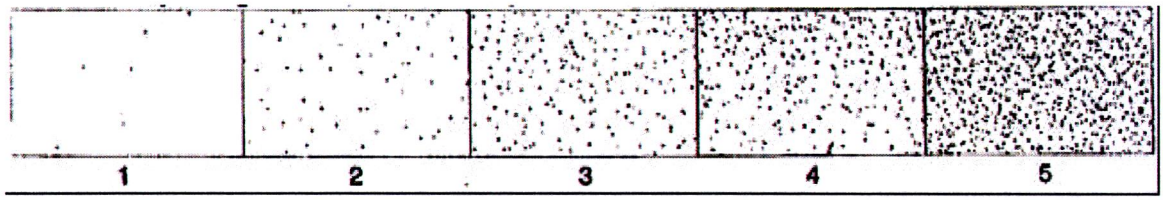
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: **CONFORMING** ☐ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. ATPP 2735		

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_03	Pages: 4 of 17
Item description: UPPER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 20/05/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

LIST OF ITEMS INSPECTED		
NAME / DESCRIPTION:	QUANTITY	DWG / LIST
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -A-	1	123A90-DDL-ST-DD-90042
BASE LOAD POWER HUB TOPSIDE - SECONDARY STEEL PLAN AT EL. +33310	1	123A90-DDL-ST-DD-90105
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -C-	1	123A90-DDL-ST-DD-90044
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -8-	1	123A90-DDL-ST-DD-90043
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -2 & 4-	1	123A90-DDL-ST-DD-90048

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore [illegible]	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	[illegible]	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. 17 MAY 2024		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_03A	Issued by: Alex Sanna

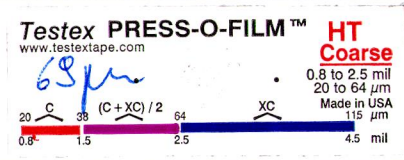
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



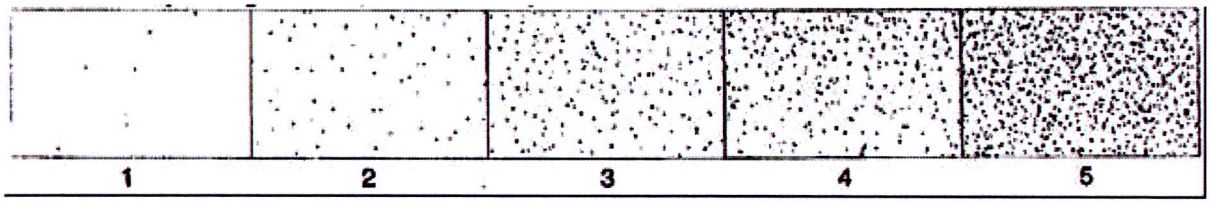
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	**2** ☑	3 ☐	**4** ☐	**# 5** ☐
Evaluation of dust quantities:	1 ☐	2 ☑	**3** ☐	**4** ☐	**5** ☐

MEASURED VALUES

Particle size of powder:	1 ☑	**2** ☐	3 ☐	4 ☐	**5** ☐
Evaluation of dust quantities:	1 ☑	2 ☐	**3** ☐	**4** ☐	**5** ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ALEX SANNA ... CERT. Nr. 702

AMPP 2735

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_03B	Issued by: Alex Sanna

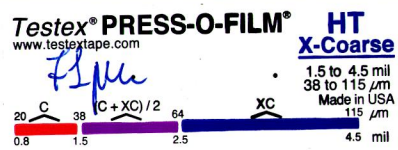
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



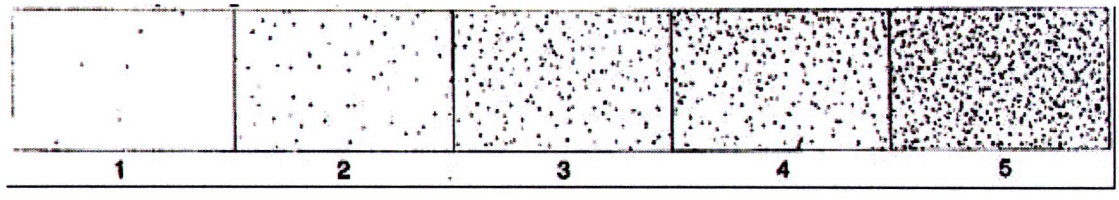
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2	3	4	# 5
Evaluation of dust quantities:	1 ☐	2	3	4	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3	4	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST

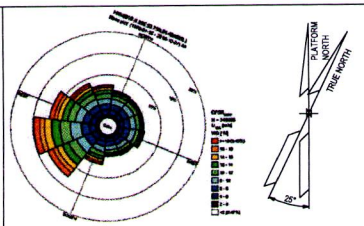


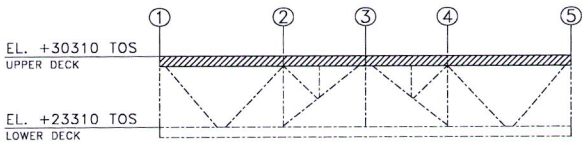
RESULT: CONFORMING **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA AM FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. Aut PP 2735		

DRAWING NO. 123A90-DDL-ST-DD-90105

REV. 02

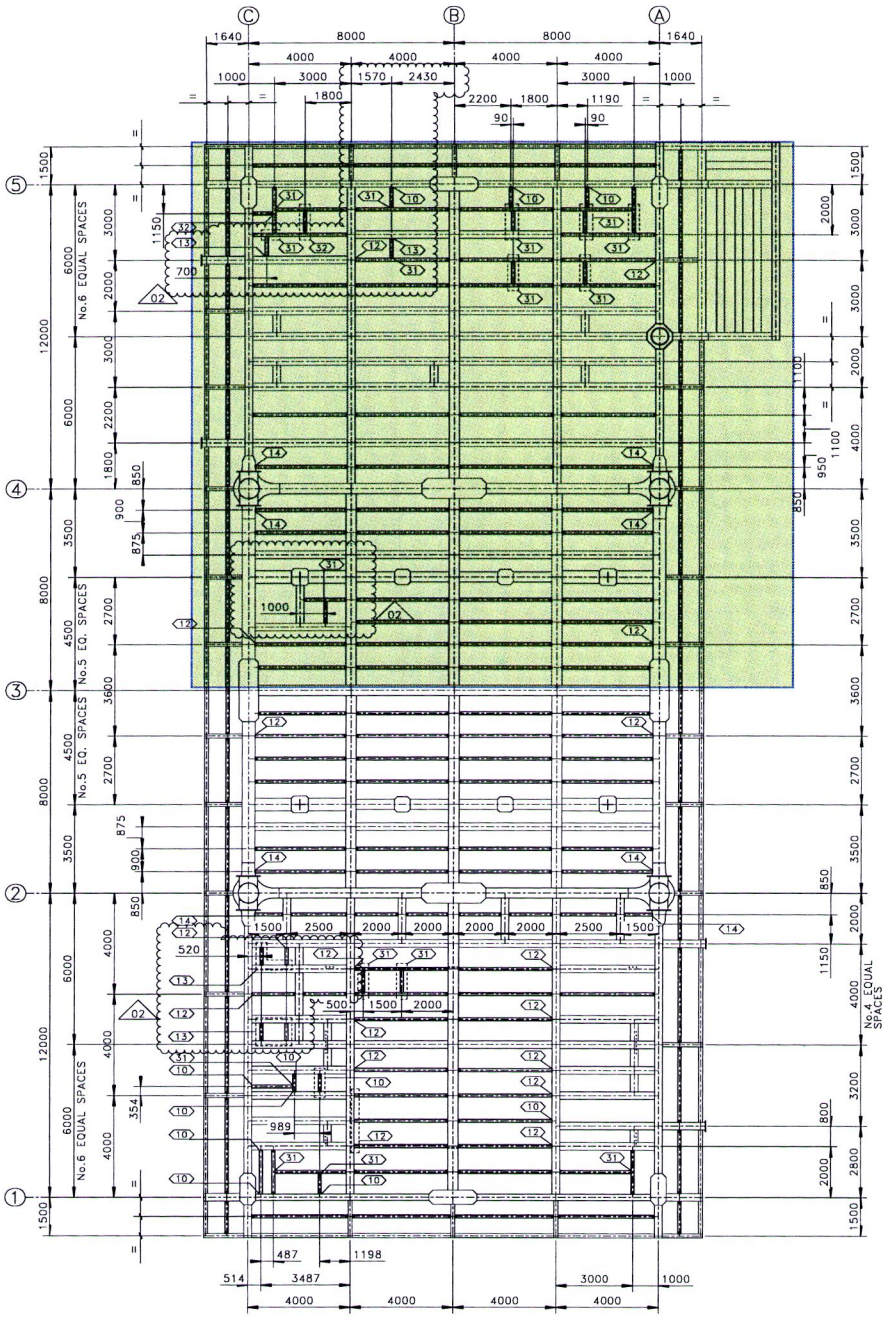




KEY ELEVATION
SCALE 1:250

UDN

UDS



PLAN AT EL.+30310 TOS
ALL BEAMS ARE IPE240 U.N.O. – ALL CONNECTIONS ARE (11) U.N.O.
SCALE 1:100

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL STIFFENER MATERIALS ARE DC4–III–355–0 U.N.O.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
IPE240	DC4–III–355–0

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90034	TYPICAL BEAM CONNECTIONS
123A90–DDL–ST–DD–90050	PRIMARY STEEL – PLAN AT EL +30310 TOS
123A90–DDL–ST–DD–90058	SEC. STEEL – PLAN AT EL +30310 TOS – SH. 1

tecon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	16/09/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	23/05/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	01/12/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – SECONDARY STEEL
PLAN AT EL. +30310 T.O.S. – SHEET 2

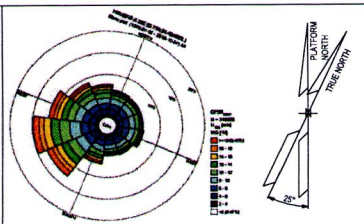
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:100
DRAWN S.GRIFFINI	CHECKED A.BALZAROTTI	APPROVED D.LO STERZO	DATE 16/09/24

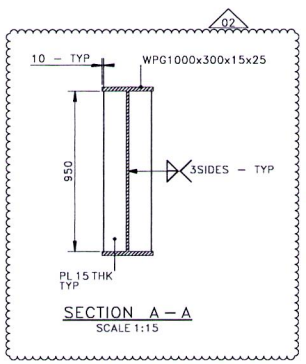
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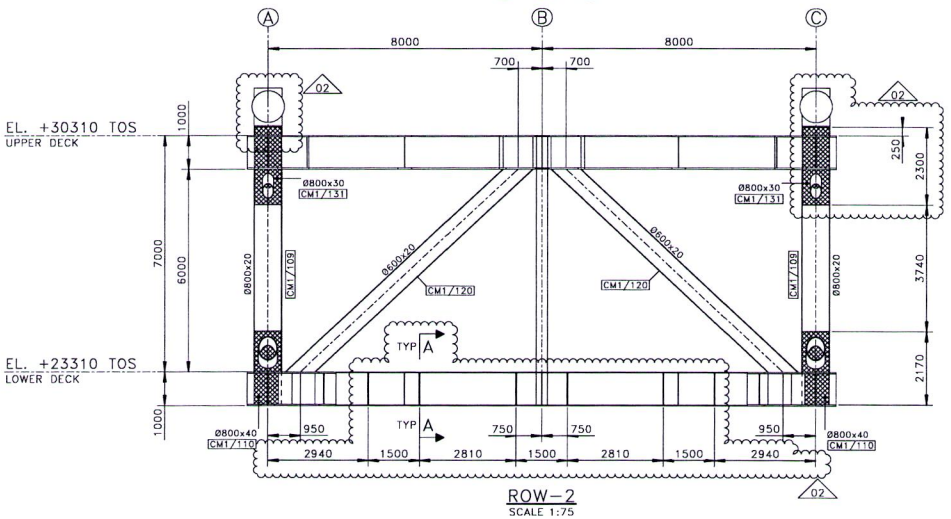
REV. 02



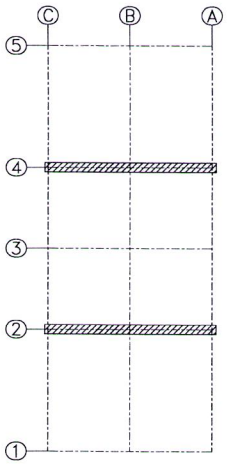


SECTION A – A
SCALE 1:15

UDS

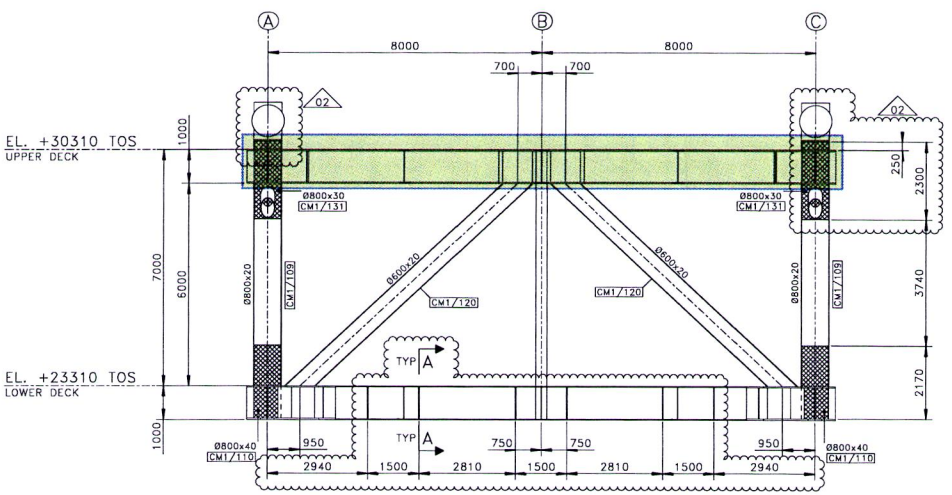


ROW–2
SCALE 1:75



KEY PLAN
SCALE 1:250

UDN



ROW–4
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL STRUCTURAL MEMBERS NOTED ▨ SHALL HAVE –Z PROPERTIES–.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø800x30	DC1–I–420–40_Z
Ø800x40	DC1–I–420–40_Z
Ø600x20	DC2–II–420–20
Ø800x20	DC2–II–420–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

recon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –2 & 4–

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:100

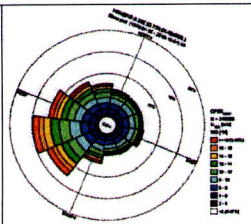
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 15/02/24

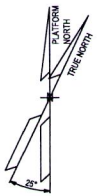
A1 | DRAWING NO. 123A90–DDL–ST–DD–90048 | SHEET 001 | REV. 02

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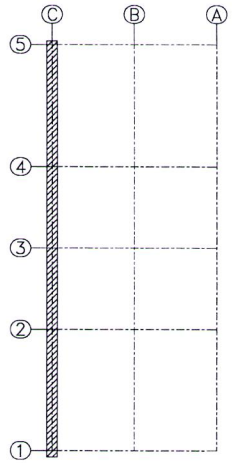
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REV. 02

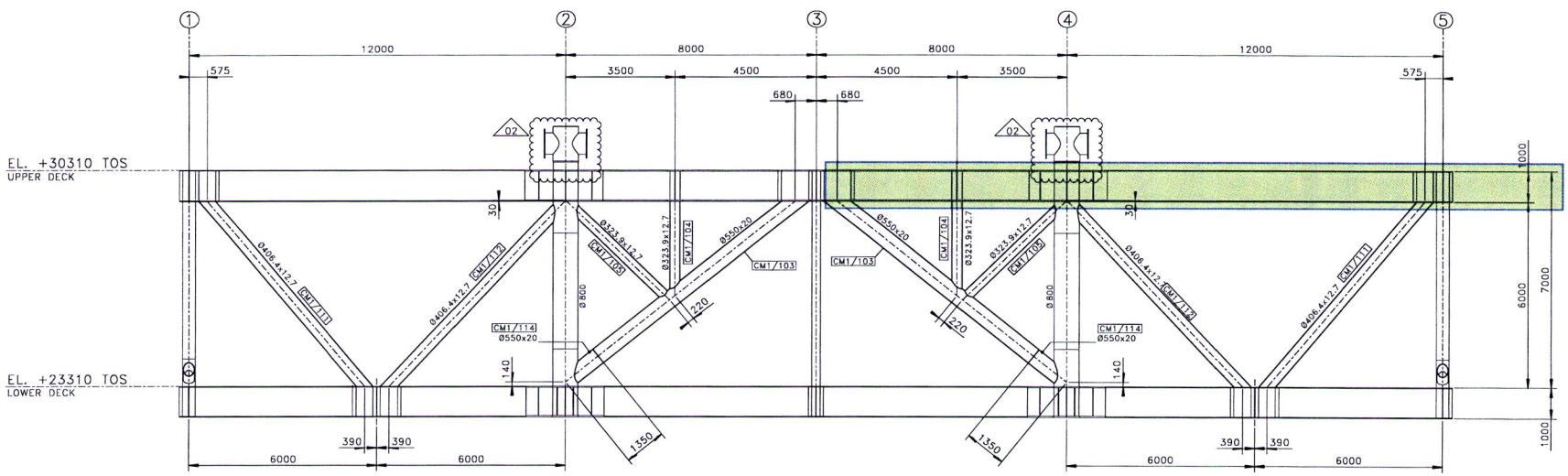




UDN



KEY PLAN
SCALE 1:250



ROW–C
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø550x20	DC2–II–420–20
Ø323.9x12.7	DC3–II–X52–20
Ø406.4x12.7	DC3–II–X52–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

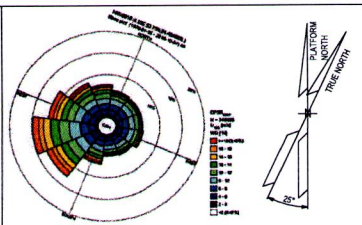
TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –C–

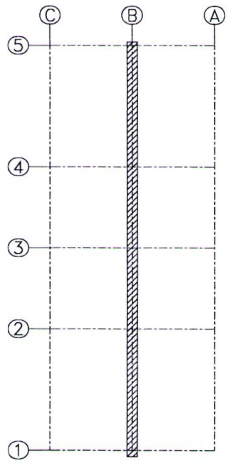
CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 15/02/24
A1 | DRAWING NO. 123A90–DDL–ST–DD–90044 | SHEET 001 | REV. 02

File Name : 123A90–DDL–ST–DD–90044_02.dwg

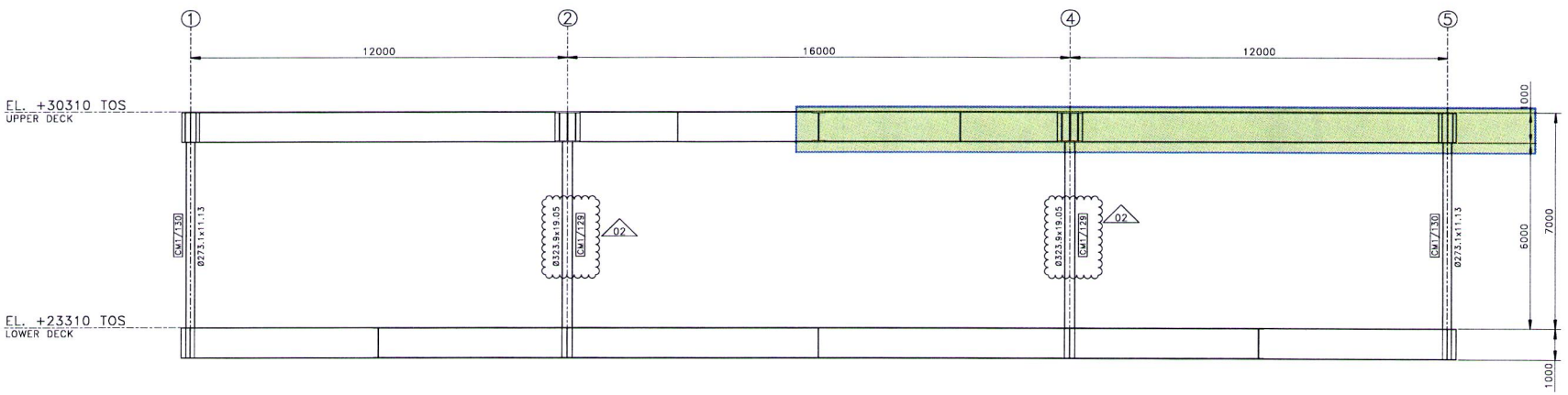
DRAWING NO. 123A90-DDL-ST-DD-90043

REV. 02





KEY PLAN
SCALE 1:250



ROW–B
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	~~MATERIAL DESIGNATION~~
Ø273.1x11.13	DC3–II–X52–0
Ø323.9x19.05	DC3–II–X52–20

02

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

tecon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

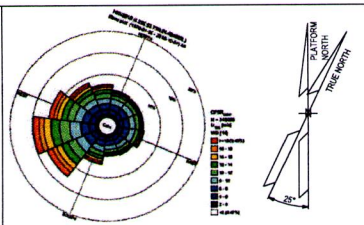
TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –B–

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 15/02/24
A1 | DRAWING NO. 123A90–DDL–ST–DD–90043 | SHEET 001 | REV. 02

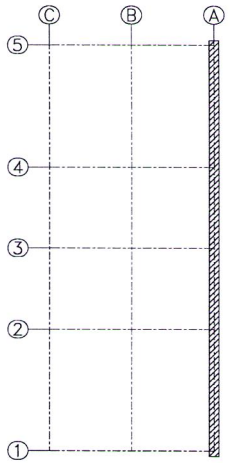
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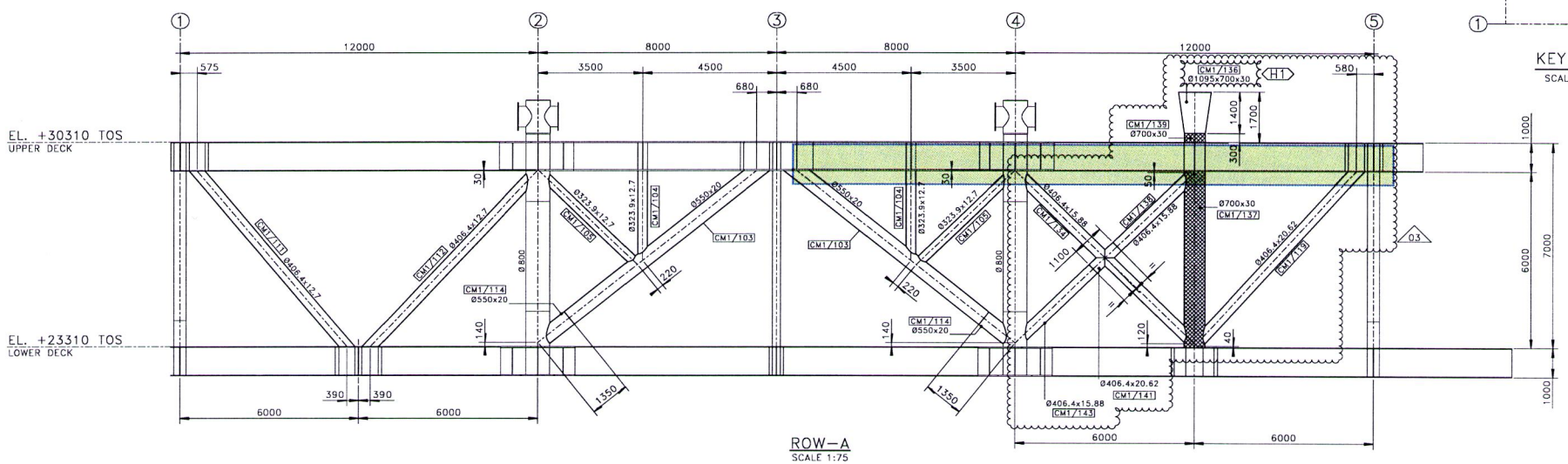
KEY 03



UDN



KEY PLAN
SCALE 1:250



ROW–A
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø700x30	DC1–I–420–40_Z
Ø550x20	DC2–II–420–20
Ø1095x700x30	DC2–II–420–40
Ø323.9x12.7	DC3–II–X52–20
Ø406.4x12.7	DC3–II–X52–20
Ø406.4x15.88	DC3–II–X52–20
Ø406.4x20.62	DC3–II–X52–20

HOLDS

1 – CONE FOR CRANE CONNECTION TO BE CONFIRMED BY CRANE VENDOR

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	25/03/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

tecon

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –A–

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75

DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 25/03/24

A1 | DRAWING NO. 123A90–DDL–ST–DD–90042 | SHEET 001 | REV. 03

File Name : 123A90–DDL–ST–DD–90042_03.dwg

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 10/05/2024
Batch No: 3509693-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 09/05/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	579	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743314**

Analysis number: **4281816**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 19/04/2024
Batch No: 3476703-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 18/04/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	280	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1390	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.31	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743210**

Analysis number: **4247572**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	30/11/2023
Batch No:	3347831-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	29/11/2027

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	960	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609488**

Analysis number: **4026577**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 12/01/2024
Batch No: 3389769-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 11/01/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	675	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	60	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609492** Analysis number: **4086069**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 02/02/2024
Batch No: 3410797-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 01/02/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2622	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	750	400 - um
VISCOSITY STORMER/ASTM D 562	120	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609647**

Analysis number: **4122447**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	26/08/2022
Batch No:	2887683-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	25/08/2024

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	930	912 - 952 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609140**

Analysis number: **3458161**

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_04.A	Pages: 1 of 18
Item description: UPPER DECK SOUTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 08/06/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 75 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 18,8 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	27/05/2024 10:00	21,6	49,9	10,7	20,9
Conditioned	07/05/2024 11:30	21,1	51,1	10,6	22,4

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3420911-1	3424163-1	3336076-1	N.A.	
Expiration date:	13/02/2024	25/02/2028	20/11/2027	N.A.	
Batch Parte B:	2887683-1	3347831-1	3344297-1	N.A.	
Expiration date:	25/08/2024	29/11/2027	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	07/05/2024	06/06/2024	07/06/2024	N.A.	
Start / Stop time:	11:30	10:00 / 17:00	8:30 / 17:00	N.A.	
Air temperature:	21,1	20,4	21,7	N.A.	
Surface temperature:	22,4	21,1	23,4	N.A.	
Dew point:	10,6	9,7	12,1	N.A.	
Relative humidity:	51,1	50,2	54,2	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	58/72/106	254/301/317	312/355/372	N.A.	
Inspection date & time:	05/06/2024	07/06/2024	08/06/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐ Risultato: OK ☐ Not OK ☐	Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto		
Firma	ALEX SANNA FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_04.B	Pages: 2 of 18
Item description: UPPER DECK SOUTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 08/06/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 72 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 15,5 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	30/05/2024 7:00	20,4	49,9	9,6	23,1
Conditioned	01/06/2024 11:00	21,7	54,4	12,1	22,5

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3420911-1	3424163-1	3336076-1	N.A.	
Expiration date:	13/02/2024	25/02/2028	20/11/2027	N.A.	
Batch Parte B:	2887683-1	3347831-1	3344297-1	N.A.	
Expiration date:	25/08/2024	29/11/2027	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	01/06/2024	06/06/2024	07/06/2024	N.A.	
Start / Stop time:	11:00	10:00 / 17:00	8:30 / 17:00	N.A.	
Air temperature:	21,7	20,4	21,7	N.A.	
Surface temperature:	22,5	21,1	23,4	N.A.	
Dew point:	12,1	9,7	12,1	N.A.	
Relative humidity:	54,4	50,2	54,2	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	59/73/104	241/295/320	299/330/365	N.A.	
Inspection date & time:	14/05/2024	07/06/2024	08/06/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_04.C	Pages: 3 of 18
Item description: UPPER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 08/06/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 73 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 16,7 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	03/06/2024 13:00	23,7	55,4	14,2	23,9
Conditioned	04/06/2024 13:00	24,1	49,9	13,0	24,2

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3420911-1	3424163-1	3336076-1	N.A.	
Expiration date:	13/02/2024	25/02/2028	20/11/2027	N.A.	
Batch Parte B:	2887683-1	3347831-1	3344297-1	N.A.	
Expiration date:	25/08/2024	29/11/2027	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	04/06/2024	06/06/2024	07/06/2024	N.A.	
Start / Stop time:	13:00	10:00 / 17:00	8:30 / 17:00	N.A.	
Air temperature:	24,1	20,4	21,7	N.A.	
Surface temperature:	24,2	21,1	23,4	N.A.	
Dew point:	13,0	9,7	12,1	N.A.	
Relative humidity:	49,9	50,2	54,2	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	54/69/101	249/265/295	310/335/362	N.A.	
Inspection date & time:	05/06/2024	07/06/2024	08/06/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA KKK FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_04	Pages: 4 of 18
Item description: UPPER DECK SOUTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 08/06/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

LIST OF ITEMS INSPECTED

NAME / DESCRIPTION:	QUANTITY	DWG / LIST
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -A-	1	123A90-DDL-ST-DD-90042
BASE LOAD POWER HUB TOPSIDE - SECONDARY STEEL PLAN AT EL. +33310	1	123A90-DDL-ST-DD-90105
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -C-	1	123A90-DDL-ST-DD-90044
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -8-	1	123A90-DDL-ST-DD-90043
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -2 & 4-	1	123A90-DDL-ST-DD-90048
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -1-	1	123A90-DDL-ST-DD-90045

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	
Firma		ROSETTI MARINO S.p. Alberto Renesto Quality Control Dept.	

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_04_A	Issued by: Alex Sanna

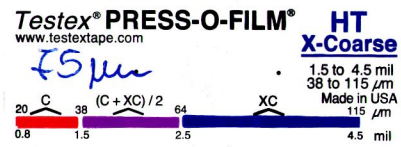
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



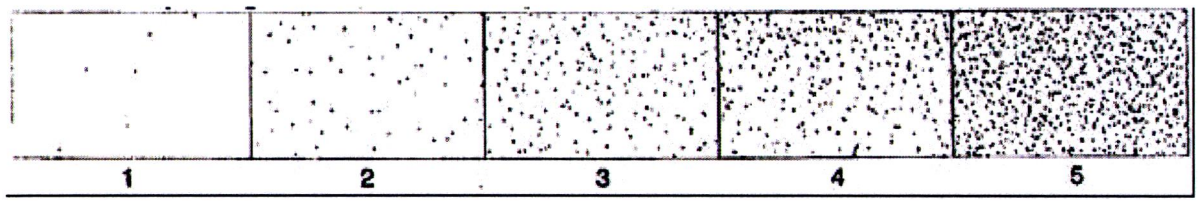
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☐	3	4	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☐	3	4	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3	4	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIONE CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. APPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_04_B	Issued by: Alex Sanna

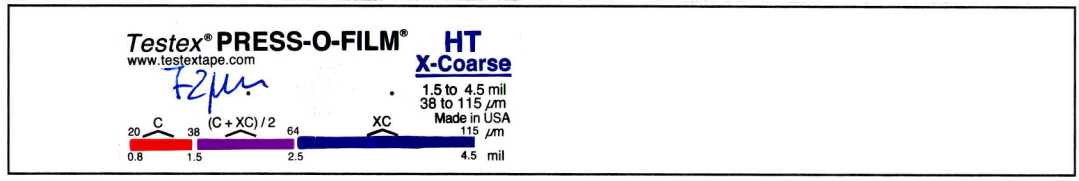
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



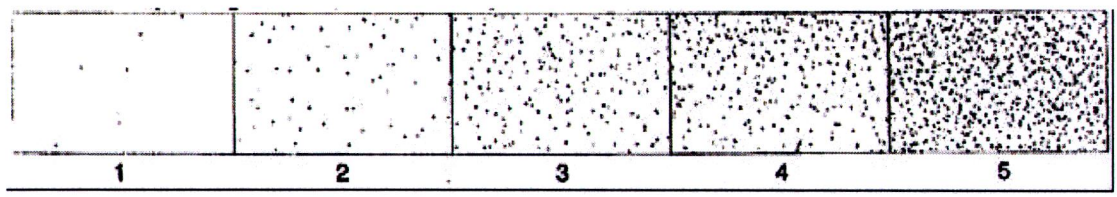
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2	3	4	# 5
Evaluation of dust quantities:	1 ☐	2	3	4	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3	4	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: **CONFORMING** **NOT CONFORMING** _

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA CERT. Nr. 702	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_03C	Issued by: Alex Sanna

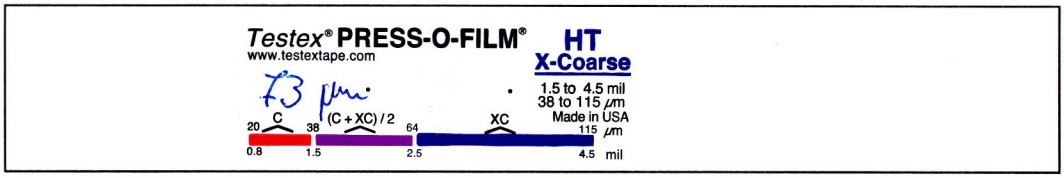
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



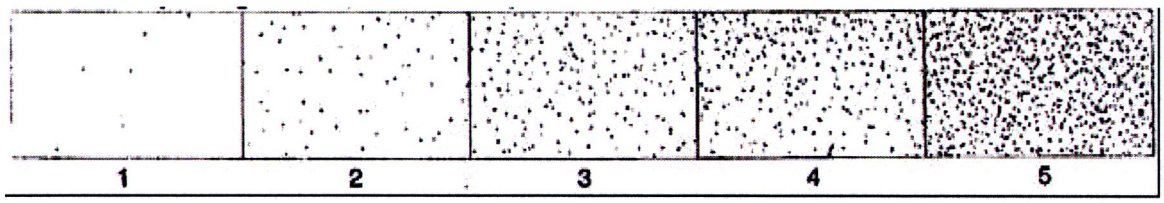
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ALEX SANNA FROSIO CERT. Nr. 7027

AMPP 2735

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 14/02/2024
Batch No: 3420911-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 13/02/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2620	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	135	120 - 141 KU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609613**

Analysis number: **4137646**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	26/08/2022
Batch No:	2887683-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	25/08/2024

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	930	912 - 952 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609140**

Analysis number: **3458161**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 26/02/2024
Batch No: 3424163-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 25/02/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	760	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609501**

Analysis number: **4143420**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	30/11/2023
Batch No:	3347831-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	29/11/2027

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	960	940 - 960 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609558**

Analysis number: **4026577**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 21/11/2023
Batch No: 3336076-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 20/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	300	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1360	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	0.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Lee, Paul
QC-laboratory

Document number: **75609361**

Analysis number: **4016045**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B	1.8L
Colour:		
Production Date:	28/11/2023	
Batch No:	3344297-1-*-1:2	
Product Code:	0UVCPBBTA	
Best Before Date :	27/11/2027	

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	609	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1137	1110 - 1150 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

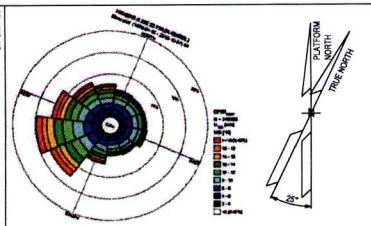
Holloway, Dave
QC-laboratory

Document number: **75609404**

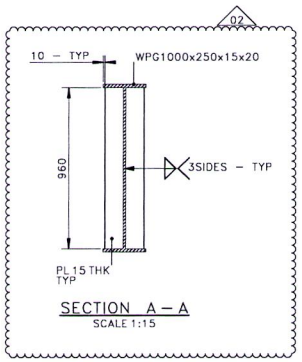
Analysis number: **4022028**

DRAWING NO. 123A90-DDL-ST-DD-90045

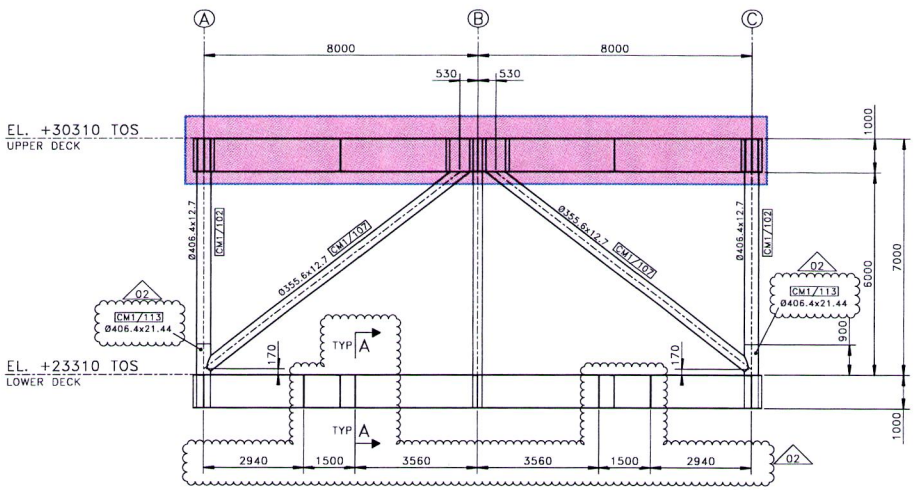
REV. 02



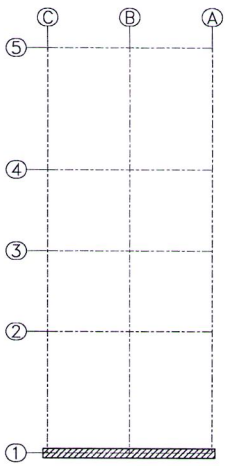
UDS



SECTION A – A
SCALE 1:15



ROW – 1
SCALE 1:75



KEY PLAN
SCALE 1:250

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø355.6x12.7	DC3-II-X52-20
Ø406.4x12.7	DC3-II-X52-20
Ø406.4x21.44	DC3-II-X52-20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

recon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SCR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SCR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SCR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –1–

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75

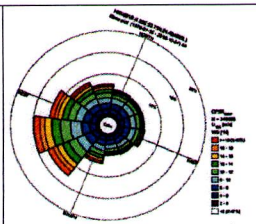
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.I.O. STER/O | DATE 15/02/24

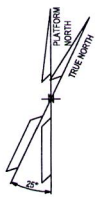
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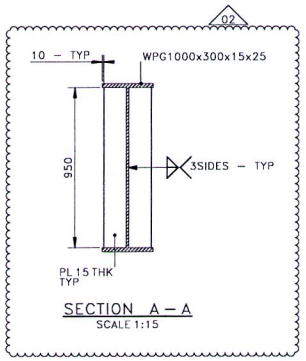
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REV. 02

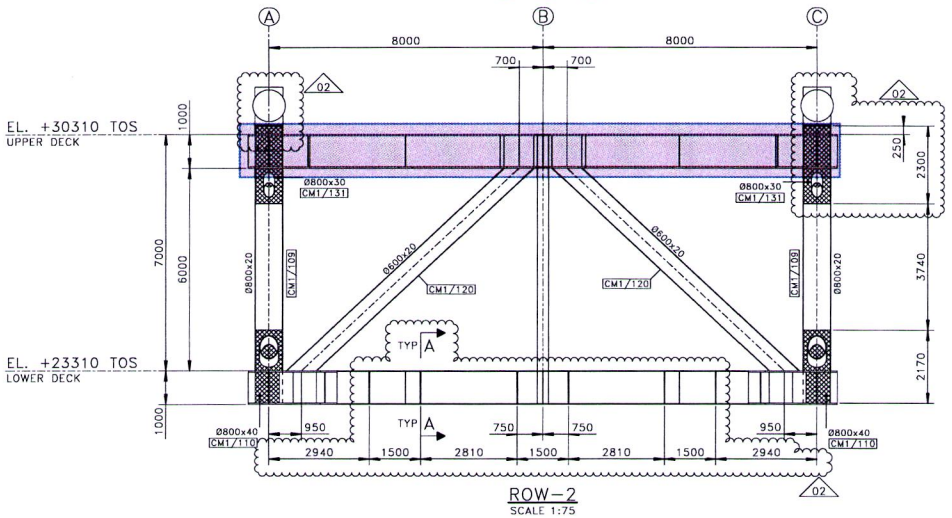




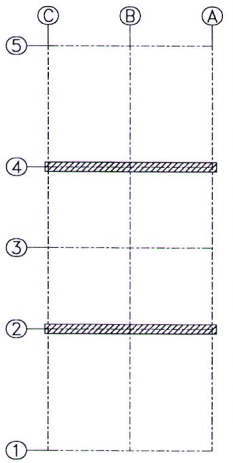


SECTION A – A
SCALE 1:15

UDS

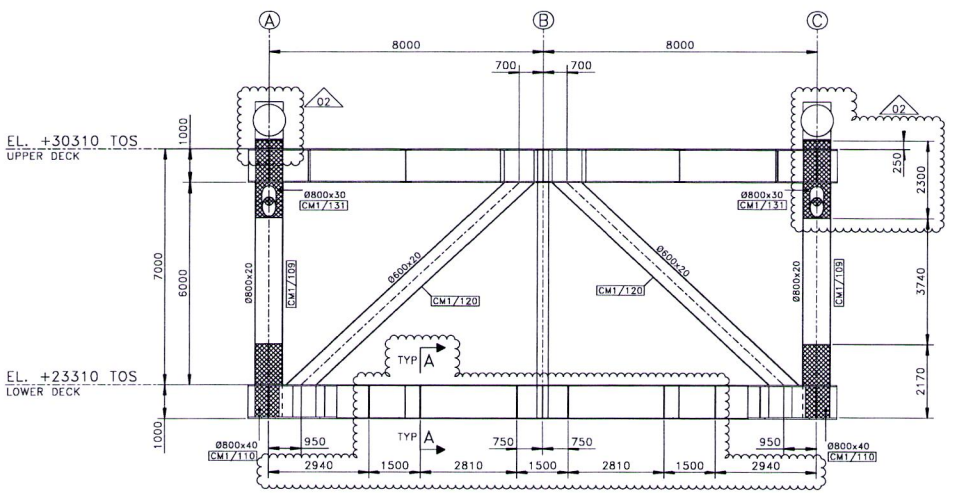


ROW–2
SCALE 1:75



KEY PLAN
SCALE 1:250

UDN



ROW–4
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL STRUCTURAL MEMBERS NOTED ▨ SHALL HAVE –Z PROPERTIES–.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø800x30	DC1–I–420–40_Z
Ø800x40	DC1–I–420–40_Z
Ø600x20	DC2–II–420–20
Ø800x20	DC2–II–420–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

recon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SCR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –2 & 4–

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:100

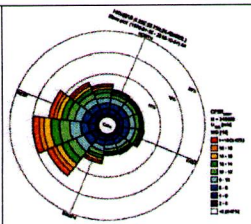
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 15/02/24

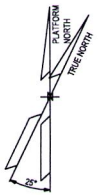
A1 | DRAWING NO. 123A90-DDL-ST-DD-90048 | SHEET 001 | REV. 02

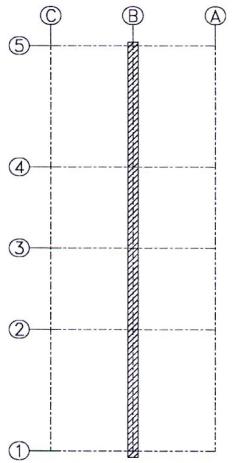
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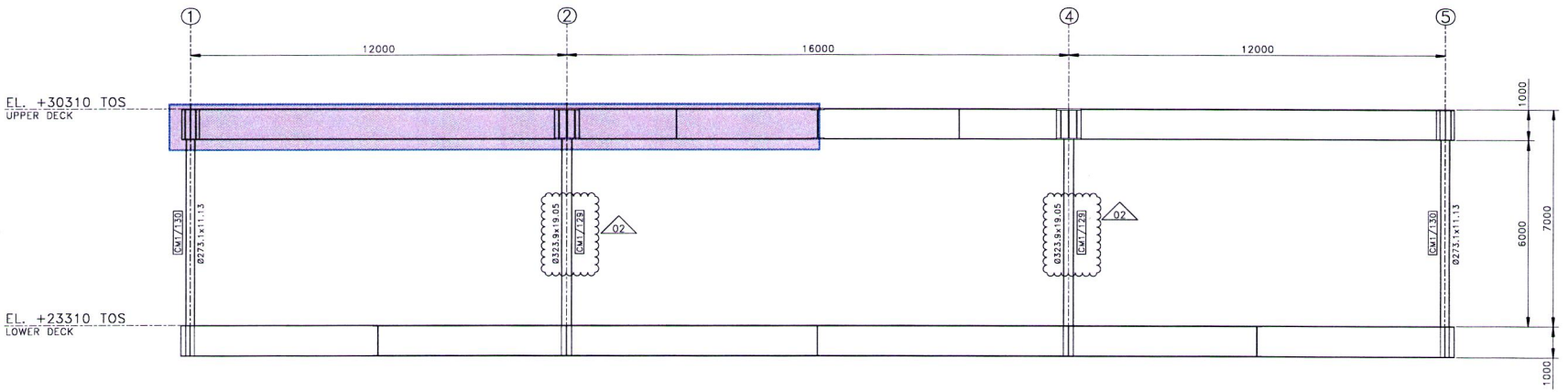
REV. 02







KEY PLAN
SCALE 1:250



ROW–B
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø273.1x11.13	DC3–II–X52–0
Ø323.9x19.05	DC3–II–X52–20

02

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –B–

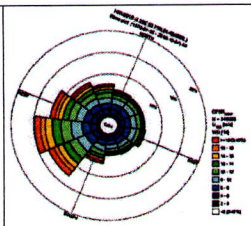
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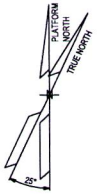
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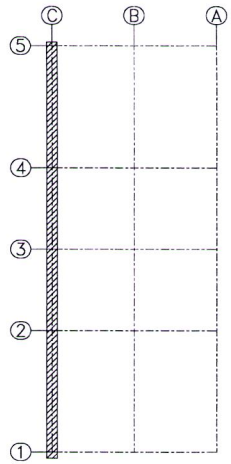
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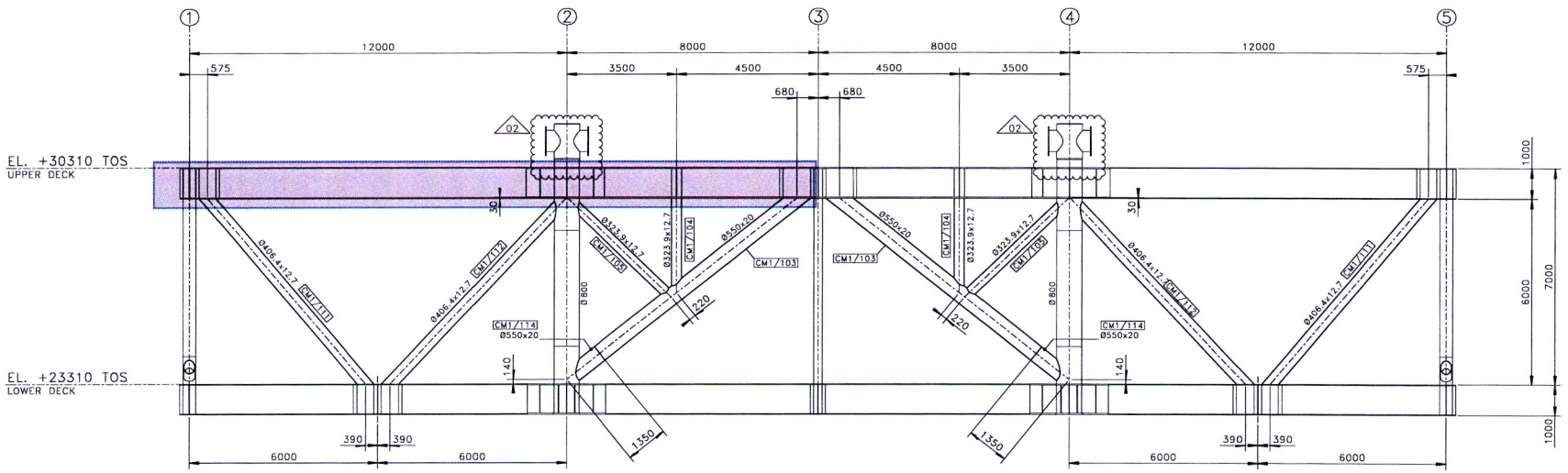




UDN



KEY PLAN
SCALE 1:250



ROW–C
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø550x20	DC2–II–420–20
Ø323.9x12.7	DC3–II–X52–20
Ø406.4x12.7	DC3–II–X52–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

tecon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

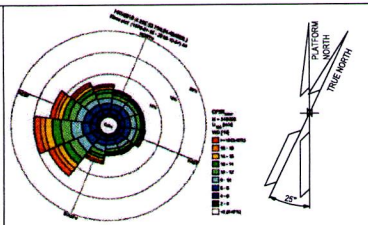
TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –C–

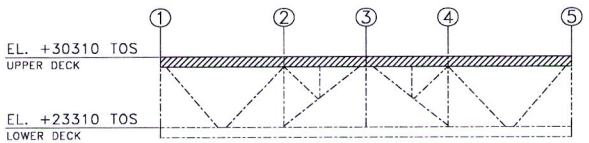
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DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 15/02/24
A1 | DRAWING NO. 123A90-DDL-ST-DD-90044 | SHEET 001 | REV. 02

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A3b 02

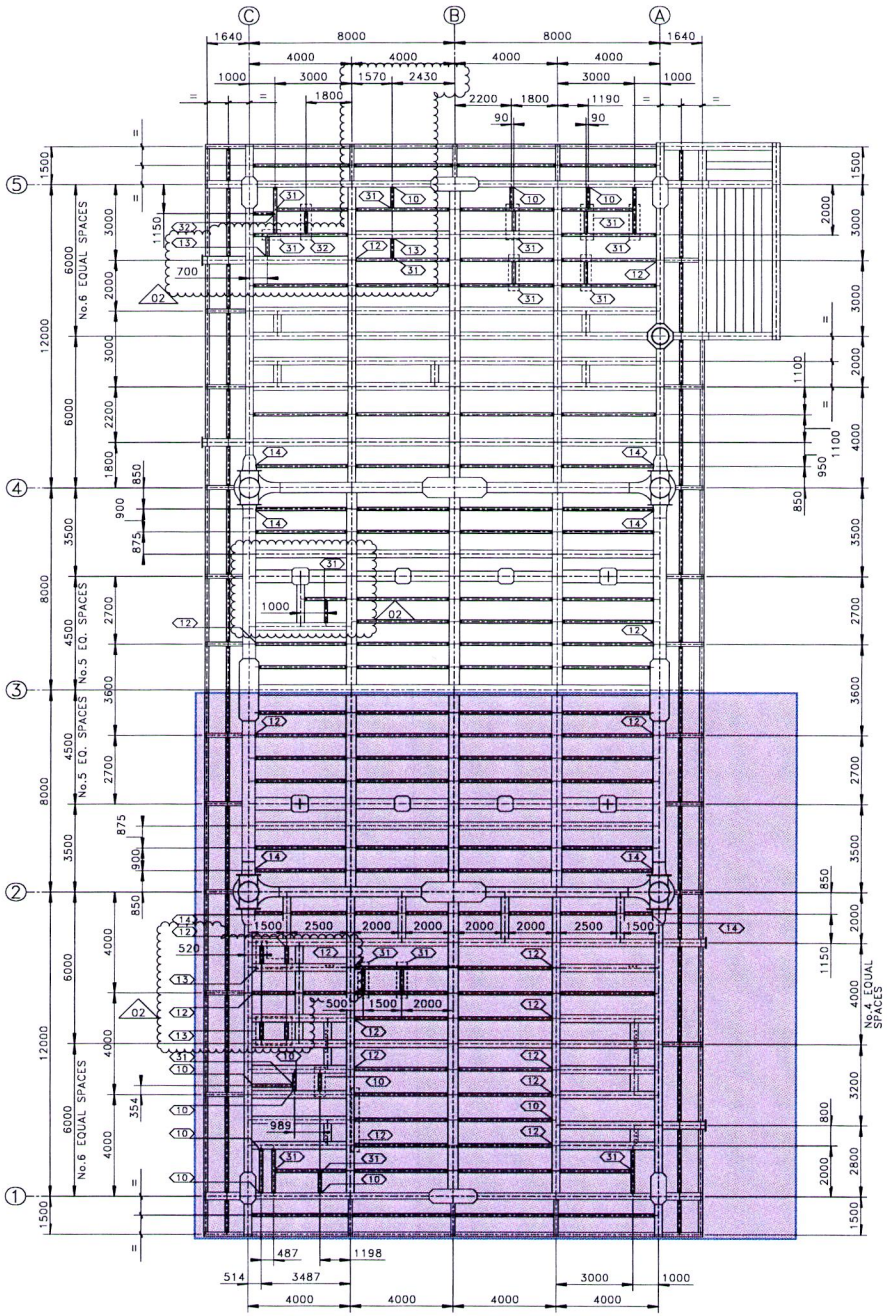




KEY ELEVATION
SCALE 1:250

UDN

UDS



PLAN AT EL.+30310 TOS
ALL BEAMS ARE IPE240 U.N.O. – ALL CONNECTIONS ARE ⟨11⟩ U.N.O.
SCALE 1:100

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL STIFFENER MATERIALS ARE DC4-III-355-0 U.N.O.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
IPE240	DC4-III-355-0

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90034	TYPICAL BEAM CONNECTIONS
123A90-DDL-ST-DD-90050	PRIMARY STEEL – PLAN AT EL +30.310 TOS
123A90-DDL-ST-DD-90058	SEC. STEEL – PLAN AT EL +30.310 TOS – SH. 1

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	16/09/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	23/05/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	01/12/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – SECONDARY STEEL
PLAN AT EL. +30310 T.O.S. – SHEET 2

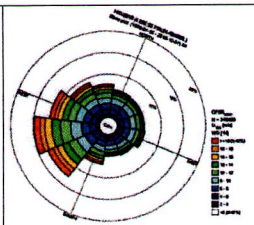
CONTRACT NO./TITLE CW-1-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:100
DRAWN S.GRIFFINI	CHECKED A.BALZAROTTI	APPROVED D.LO STERZO	DATE 16/09/24

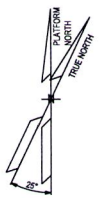
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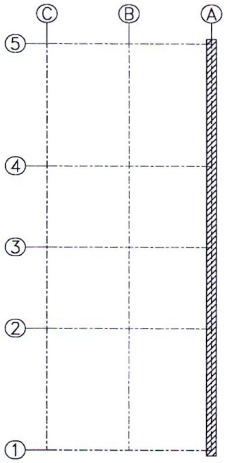
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REV. 03

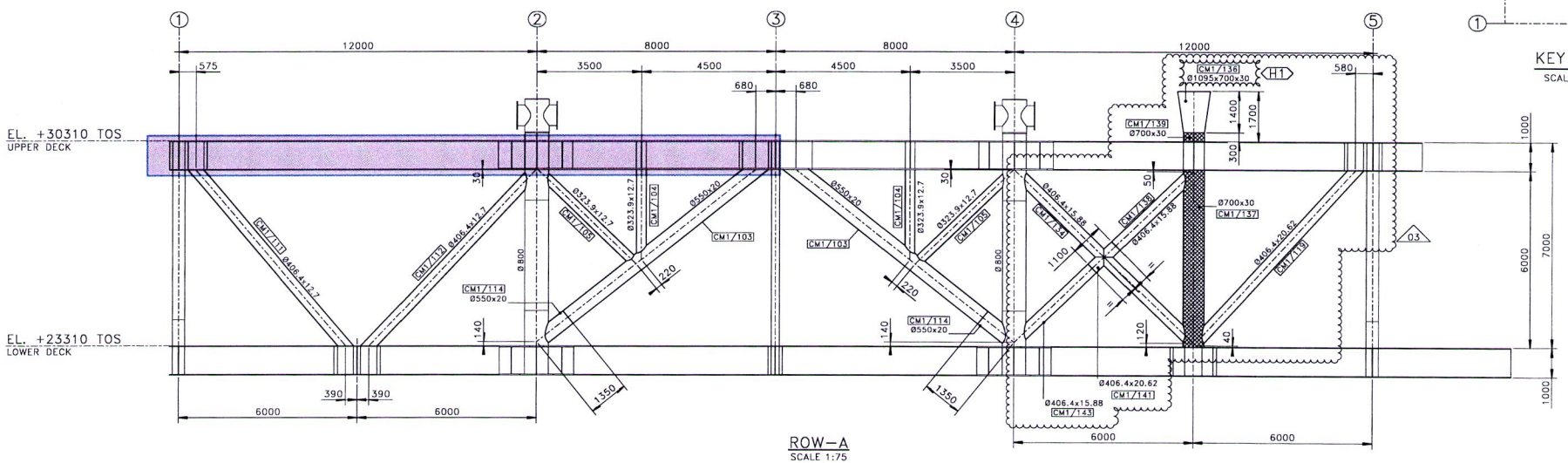




UDS



KEY PLAN
SCALE 1:250



ROW–A
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø700x30	DC1–I–420–40_Z
Ø550x20	DC2–II–420–20
Ø1095x700x30	DC2–II–420–40
Ø323.9x12.7	DC3–II–X52–20
Ø406.4x12.7	DC3–II–X52–20
Ø406.4x15.88	DC3–II–X52–20
Ø406.4x20.62	DC3–II–X52–20

HOLDS

1 – CONE FOR CRANE CONNECTION TO BE CONFIRMED BY CRANE VENDOR

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

tecon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	25/03/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –A–

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75

DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.I.O STERZO | DATE 25/03/24

A1 | DRAWING NO. 123A90–DDL–ST–DD–90042 | SHEET 001 | REV. 03

File Name : 123A90-DDL-ST-DD-90042_03.dwg

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_05.A	Pages: 1 of 14
Item description: PAU_STRUCTURE	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 17/08/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 72 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 18 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	07/08/2024 7:00	28,5	56,9	19,1	27,4
Conditioned	07/08/2024 14:00	34,7	53,5	23,9	35,4

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3410797-1	3389769-1	3476703-1	N.A.	
Expiration date:	01/02/2026	11/01/2028	18/04/2028	N.A.	
Batch Parte B:	2887683-1	3453990-1	3509693-1	N.A.	
Expiration date:	25/08/2024	14/03/2028	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	07/08/2024	08/08/2024	09/08/2024	N.A.	
Start / Stop time:	14:00	09:30 / 15:30	10:30 / 17:00	N.A.	
Air temperature:	34,7	26,4	31,1	N.A.	
Surface temperature:	35,4	27,1	32,3	N.A.	
Dew point:	23,9	16,9	22,4	N.A.	
Relative humidity:	53,5	55,9	59,9	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	55/69/101	245/273/299	309/330/375	N.A.	
Inspection date & time:	08/08/2024	09/08/2024	10/08/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐ Risultato: OK ☐ Not OK ☐	Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto		
Firma	ALEX SANNA ... FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_05.B	Pages: 2 of 14
Item description: PAU_STRUCTURE	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 17/08/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 76 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 16,8 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	12/08/2024 7:00	27,7	56,6	18,3	31,1
Conditioned	12/08/2024 15:00	32,2	53,3	21,5	33,7

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3410797-1	3389769-1	3476703-1	N.A.	
Expiration date:	01/02/2026	11/01/2028	18/04/2028	N.A.	
Batch Parte B:	2887683-1	3453990-1	3509693-1	N.A.	
Expiration date:	25/08/2024	14/03/2028	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	12/08/2024	14/08/2024	15/08/2024	N.A.	
Start / Stop time:	15:00	10:30 / 17:00	9:30 / 17:00	N.A.	
Air temperature:	32,2	29,9	31,7	N.A.	
Surface temperature:	33,7	31,1	32,3	N.A.	
Dew point:	21,5	20,0	22,1	N.A.	
Relative humidity:	53,3	55,5	56,8	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	55/78/106	248/267/299	307/337/366	N.A.	
Inspection date & time:	13/08/2024	15/08/2024	16/08/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐ Risultato: OK ☐ Not OK ☐	Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_05.C	Pages: 3 of 14
Item description: PAU_STRUCTURE	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 17/08/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION					
Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 74 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 19,6 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	13/08/2024 7:00	28,8	61,1	20,5	29,9
Conditioned	13/08/2024 14:00	32,3	51,1	20,9	31,6

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3410797-1	3389769-1	3476703-1	N.A.	
Expiration date:	01/02/2026	11/01/2028	18/04/2028	N.A.	
Batch Parte B:	2887683-1	3453990-1	3509693-1	N.A.	
Expiration date:	25/08/2024	14/03/2028	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	13/08/2024	14/08/2024	15/08/2024	N.A.	
Start / Stop time:	14:00	10:30 / 17:00	9:30 / 17:00	N.A.	
Air temperature:	32,3	29,9	31,7	N.A.	
Surface temperature:	31,6	31,1	32,3	N.A.	
Dew point:	20,9	20,0	22,1	N.A.	
Relative humidity:	51,1	55,5	56,8	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Av/Max [µm]:	61/73/98	249/265/295	310/335/362	N.A.	
Inspection date & time:	014/08/2024	15/08/2024	16/08/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT		
TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA ELETTRICISTA FROSIONE CERT. Nr. 702	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMP 2435		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: A_01_	Pages: 4 of 14
Item description: LOWER DECK SOUTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 03/04/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

LIST OF ITEMS INSPECTED		
NAME / DESCRIPTION:	QUANTITY	DWG / LIST
BASE LOAD POWER HUB TOPSIDE - EQUIPEMENT PLAN AT EL. +34810	1	123A90-FDL-ST-DD-90661

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore [illegible]	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	[illegible]	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_05_B	Issued by: Alex Sanna

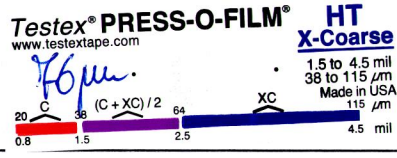
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



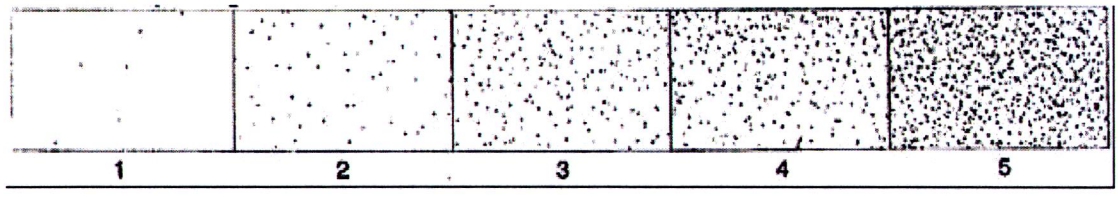
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2	3	4	# 5
Evaluation of dust quantities:	1 ☐	2	3	4	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3	4	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ✓ **NOT CONFORMING** _

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPP 2735		

ALEX SANNA KKK FROSIO CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_05_C	Issued by: Alex Sanna

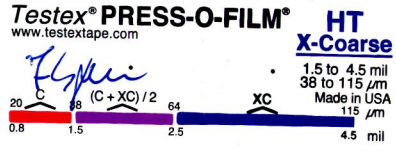
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



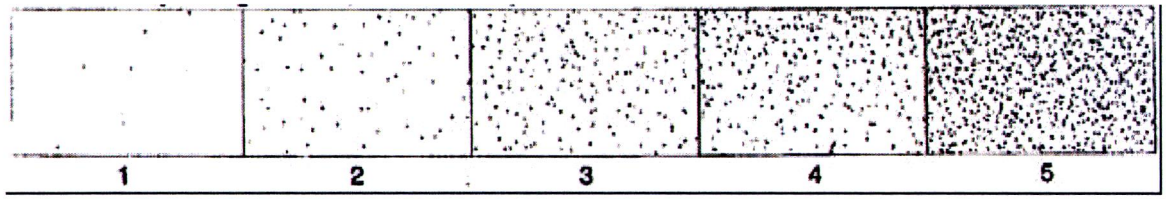
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIONE CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. 17AP2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90
Annex n.1/ Doc. B_05_A	Issued by: Alex Sanna

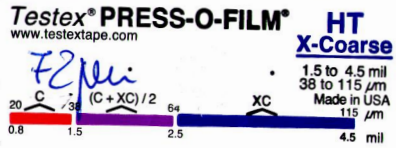
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



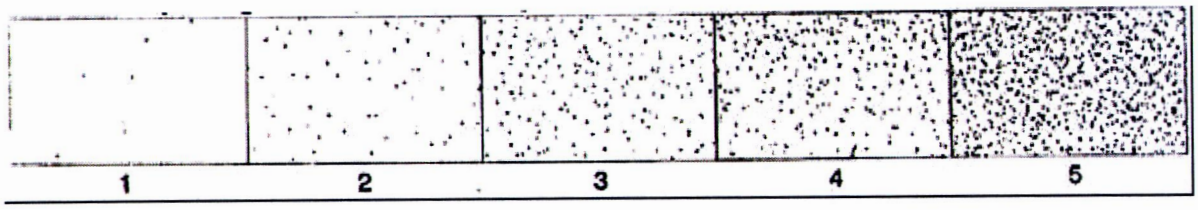
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☐	3	4	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☐	3	4	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3	4	5 ☐

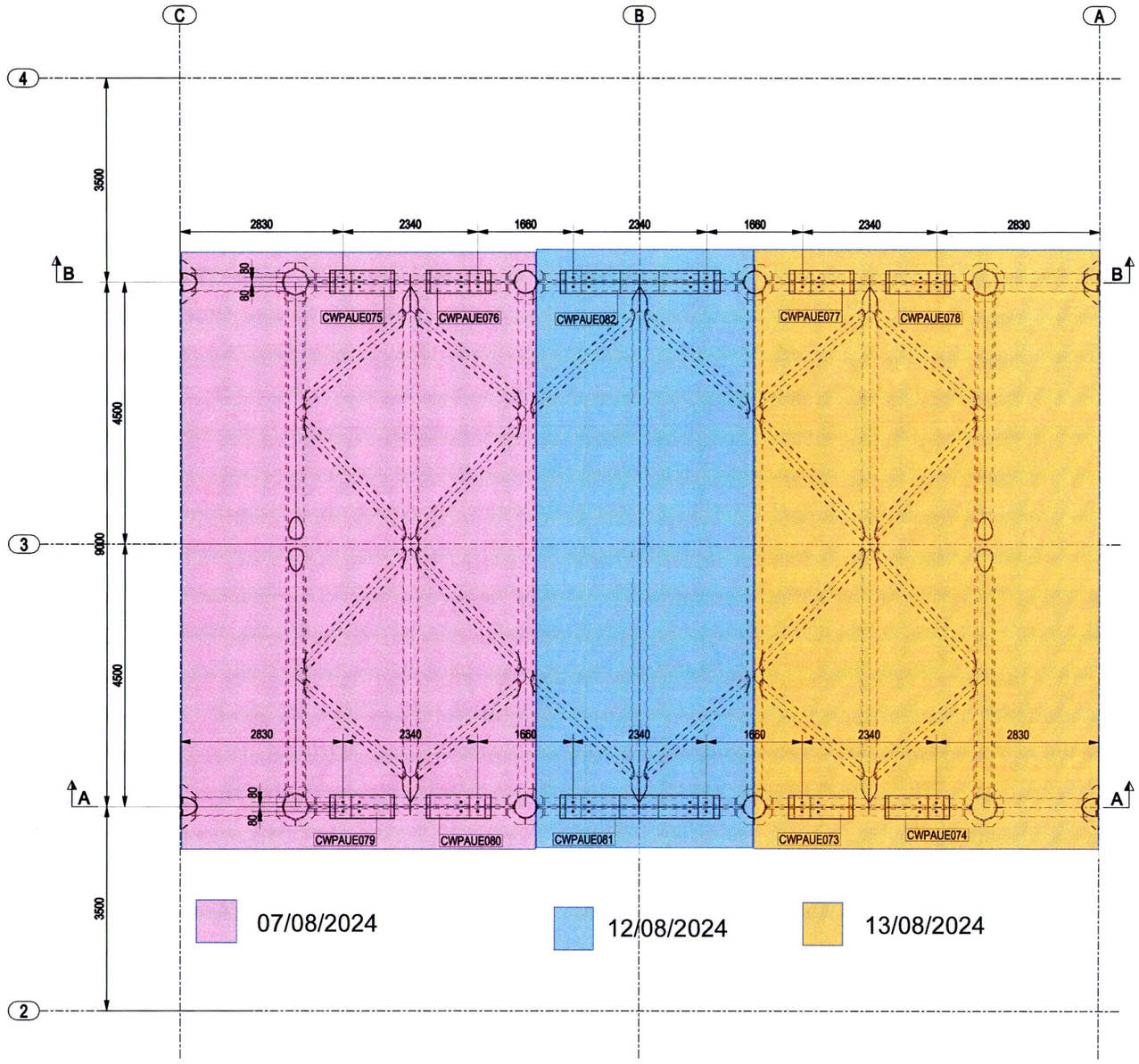
REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA ... CERT. Nr. 702	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. ... AMP 2735		

MARKS	DRAWING NUMBER	NOTES
CWPAUE001	123A90-FDL-ST-DD-90657	
CWPAUE002	123A90-FDL-ST-DD-90657	
CWPAUE003	123A90-FDL-ST-DD-90657	
CWPAUE004	123A90-FDL-ST-DD-90657	
CWPAUE005	123A90-FDL-ST-DD-90657	
CWPAUE006	123A90-FDL-ST-DD-90657	
CWPAUE007	123A90-FDL-ST-DD-90657	
CWPAUE008	123A90-FDL-ST-DD-90657	
CWPAUE009	123A90-FDL-ST-DD-90657	
CWPAUE010	123A90-FDL-ST-DD-90657	
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CWPAUE026	123A90-FDL-ST-DD-90657	
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CWPAUE041	123A90-FDL-ST-DD-90657	
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CWPAUE045	123A90-FDL-ST-DD-90657	
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CWPAUE068	123A90-FDL-ST-DD-90657	
CWPAUE069	123A90-FDL-ST-DD-90657	
CWPAUE070	123A90-FDL-ST-DD-90657	
CWPAUE071	123A90-FDL-ST-DD-90657	
CWPAUE072	123A90-FDL-ST-DD-90657	
CWPAUE073	123A90-FDL-ST-DD-90658	
CWPAUE074	123A90-FDL-ST-DD-90659	
CWPAUE075	123A90-FDL-ST-DD-90658	
CWPAUE076	123A90-FDL-ST-DD-90659	
CWPAUE077	123A90-FDL-ST-DD-90658	
CWPAUE078	123A90-FDL-ST-DD-90659	
CWPAUE079	123A90-FDL-ST-DD-90658	
CWPAUE080	123A90-FDL-ST-DD-90659	
CWPAUE081	123A90-FDL-ST-DD-90660	
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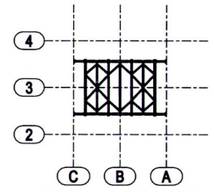


PLAN AT EL +34810 TOS

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR SECTIONS A-A & B-B SEE DWG 123A90-FDL-ST-DD-90662 & 90663

KEY PLAN



PLAN AT EL. +34810 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	14/06/2024	CW-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOP SIDES – EQUIPMENT PLAN AT EL. +34810 TOS
ASSEMBLY

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:45
DRAWN CW-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 14/06/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90661		SHEET 001	REV. 0

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 10/05/2024
Batch No: 3509693-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 09/05/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	579	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743314** Analysis number: **4281816**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 19/04/2024
Batch No: 3476703-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 18/04/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	280	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1390	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.31	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743210**

Analysis number: **4247572**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	15/03/2024
Batch No:	3453990-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	14/03/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	960	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743497**

Analysis number: **4189579**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 12/01/2024
Batch No: 3389769-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 11/01/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	675	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	60	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609492** Analysis number: **4086069**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 26/08/2022
Batch No: 2887683-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 25/08/2024

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	930	912 - 952 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609140**

Analysis number: **3458161**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 02/02/2024
Batch No: 3410797-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 01/02/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2622	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	750	400 - um
VISCOSITY STORMER/ASTM D 562	120	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609647** Analysis number: **4122447**

ROSETTI MARINO	**PAINT APPLICATION REPORT** **COMPANY: HOLLANDSE KUST NOORD WIND PARK** **PROJECT: CROSSWIND** **JOB: 123A90**

Document number: E_06.A	Pages: 1 of 11
Item description: TP-WASTE WATER TANK	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 11/03/2025
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 76 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 13 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	07/03/2025 11:30	17,3	61,8	9,9	18,3
Conditioned	08/03/2025 12:00	18,2	52,9	8,5	22,2

Coating System Nº 3D (NORSOK M-501 Rev. 7)	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	TANKGUARD PLUS	TANGUARD PLUS	N.A.	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3614114	3700799	N.A.	N.A.	
Expiration date:	10/09/2026	05/11/2026	N.A.	N.A.	
Batch Parte B:	3743863	3743863	N.A.	N.A.	
Expiration date:	11/12/2026	11/12/2026	N.A.	N.A.	
Color:	BUFF	WHITE	N.A.	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	N.A.	
Application date:	08/03/2025	10/03/2025	N.A.	N.A.	
Start / Stop time:	14:00 / 18:30	11:30 / 16:00	N.A.	N.A.	
Air temperature:	18,5	19,6	N.A.	N.A.	
Surface temperature:	21,7	18,8	N.A.	N.A.	
Dew point:	9,3	14,5	N.A.	N.A.	
Relative humidity:	51,8	72,4	N.A.	N.A.	
Wet film thickness:	175	175	N.A.	N.A.	
DFT Min/Max/Av [µm]:	144/378/233	281/577/414	N.A.	N.A.	
Inspection date & time:	10/03/2025	11/03/2025	N.A.	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:
Risultato:	OK ☐	Not OK ☐	

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. E_06A	Pag 2 of 11	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



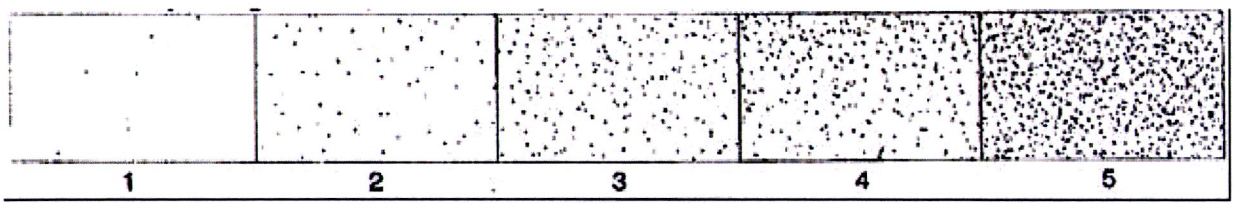
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AnPP2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: E_06_	Pages: 3 of 11	
Item description: TP-WASTE WATER TANK	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna	Issue date:	11/03/2025
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED		
NAME / DESCRIPTION:	QUANTITY	DWG / LIST
TP-WASTE WATER TANK	1	123A90-DDL-ST-DD-90123
TP-WASTE WATER TANK AT EL. +21710	1	123A90-DDL-ST-DD-90655
TP-WASTE WATER TANK AT EL. +21710	1	123A90-DDL-ST-DD-90656

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

Trieste, 11/03/2025

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
TANKGUARD PLUS WHITE A 16L	3700799-1-*-1:2	06/11/2024	06/11/2026
TANKGUARD PLUS, COMP B 4L	3743863-1-*-1:2	11/12/2024	11/12/2026
TANKGUARD PLUS BUFF A 16L	3614114-1-*-1:2	14/09/2024	14/09/2026

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: TANKGUARD PLUS BUFF A 16L
Colour:
Production Date: 27/09/2024
Batch No: 3614114-1-*-1:2
Product Code: 0J7MBUSVA
Best Before Date : 27/09/2026

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	500	400 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	207	170 - 210 cP
DENSITY-PYKNOMETER/ISO 2811-1	1647	1644 - 1744 kg/m3
DRYING TIME/BECK KOLLER	4	- 4 h
GRINDOMETER/ISO 1524	50	- 60 um

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Place and date: **JP(E)Ltd Flix Fact 11/03/2025**

Document number: **79401990** Analysis number: **4454251**

CERTIFICATE OF ANALYSIS

CoA

Product: TANKGUARD PLUS WHITE A 16L
Colour:
Production Date: 29/11/2024
Batch No: 3700799-1-*-1:2
Product Code: 0J7001SVA
Best Before Date : 29/11/2026

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	450	400 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	177	170 - 210 cP
DENSITY-PYKNOMETER/ISO 2811-1	1644	1644 - 1744 kg/m3
DRYING TIME/BECK KOLLER	4	- 4 h
GRINDOMETER/ISO 1524	40	- 60 um

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Place and date: **JP(E)Ltd Flix Fact 11/03/2025**

Document number: **79402049** Analysis number: **4594930**

CERTIFICATE OF ANALYSIS

CoA

Product: TANKGUARD PLUS, COMP B 4L
Colour:
Production Date: 11/12/2024
Batch No: 3743863-1-*-1:2
Product Code: 0J7CPBEVA
Best Before Date : 11/12/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	1039	950 - 1150 kg/m3
DRYING TIME/BECK KOLLER	3	- 4 h

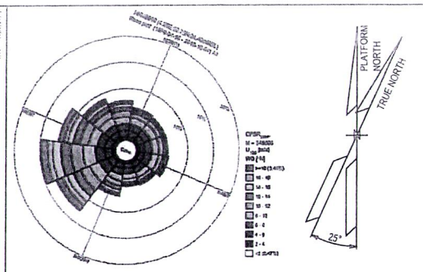
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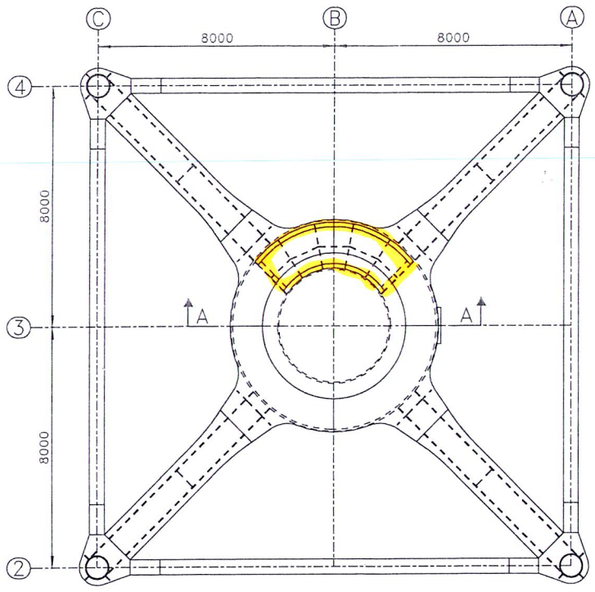
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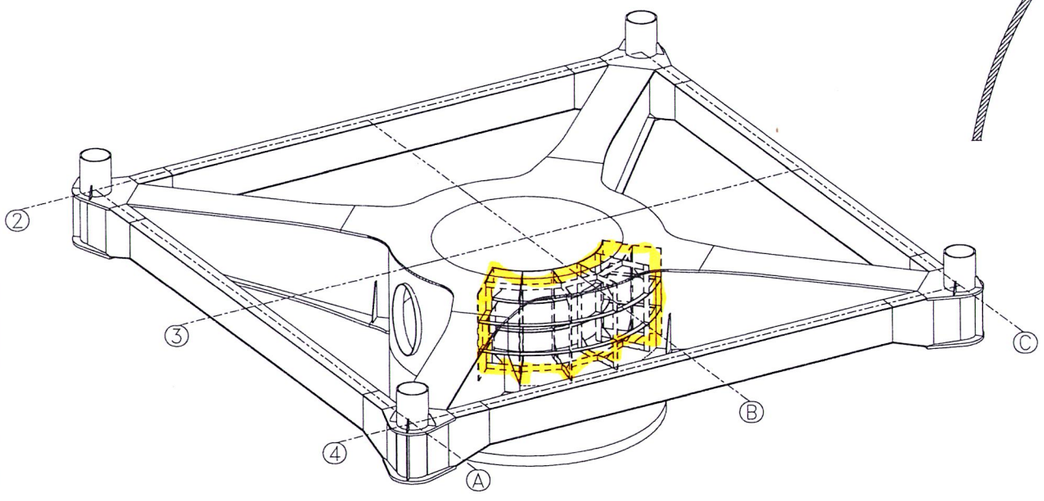
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REV. 01

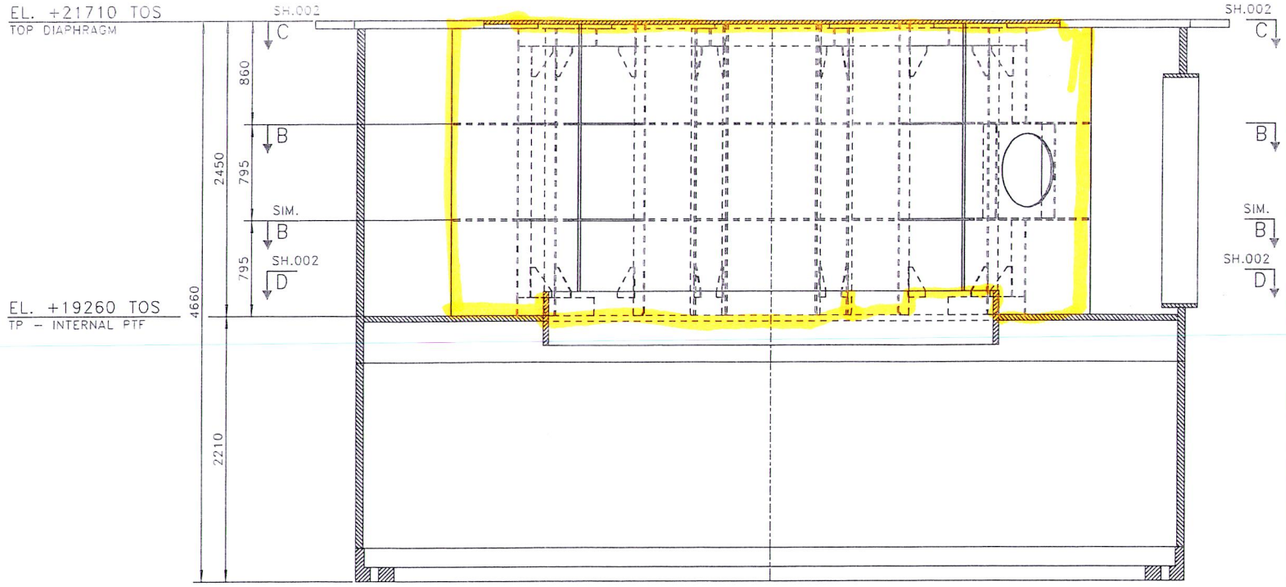




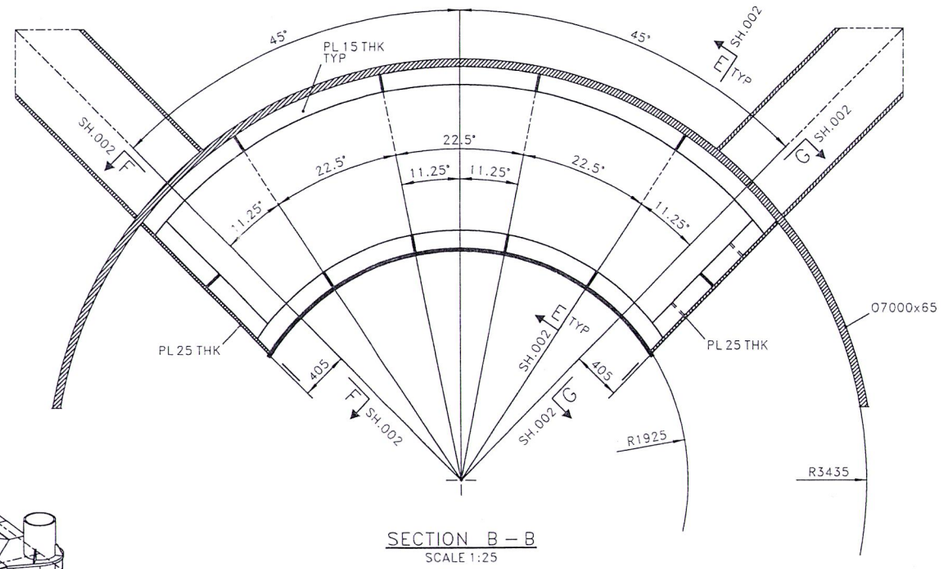
TP – WASTE WATER TANK – KEY PLAN
SCALE 1:100



TP – WASTE WATER TANK – 3D VIEW



SECTION A – A
SCALE 1:25



SECTION B – B
SCALE 1:25

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL WELDS ARE FULL PENETRATION WELDS U.N.O.
4 – ALL FILLET WELDS SHALL BE CONTINUOUS AND THE LEG SIZE SHALL BE EQUAL 0.7 THE MINIMUM THICKNESS TO BE JOINTED U.N.O.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
PL 10 THK	DC3-II-355-0
PL 15 THK	DC3-II-355-20
PL 25 THK	DC3-II-355-20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90032	PLATES – DOUBLE SIDED WELDS
123A90-DDL-ST-DD-90033	PLATES – SINGLE SIDED WELDS
123A90-DDL-ST-DD-90078	TP – PRIMARY STEEL – ELEVATION ROW –A–
123A90-DDL-ST-DD-90085	TP – PRIMARY STEEL – PLAN AT EL. +21710 TOS
123A90-DDL-ST-DD-90101	TP – PRIMARY STEEL – SECTIONS
123A90-DDL-ST-DD-90123	TP – WASTE WATER TANK – ASS. AND DET. – SH.2

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	19/08/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	03/06/24	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WASTE WATER TANK
ASSEMBLY AND DETAILS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:10

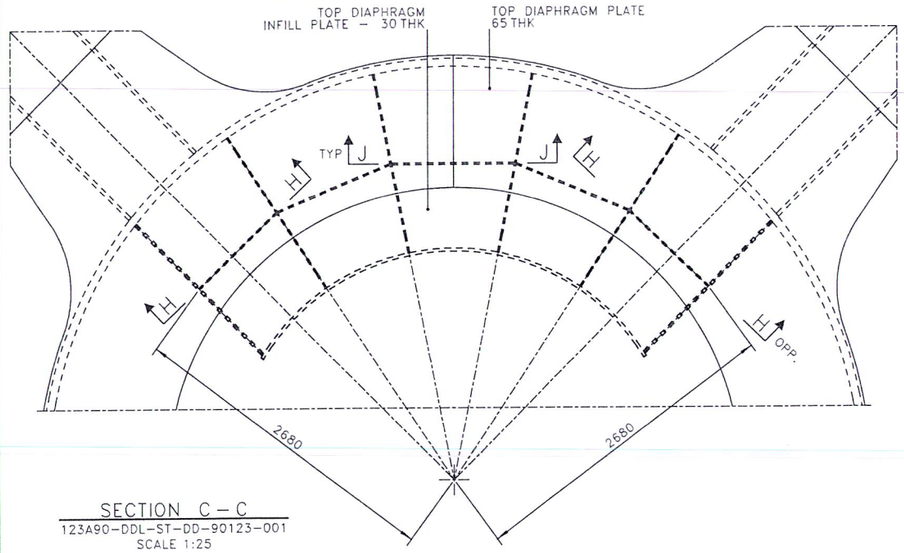
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 19/08/24

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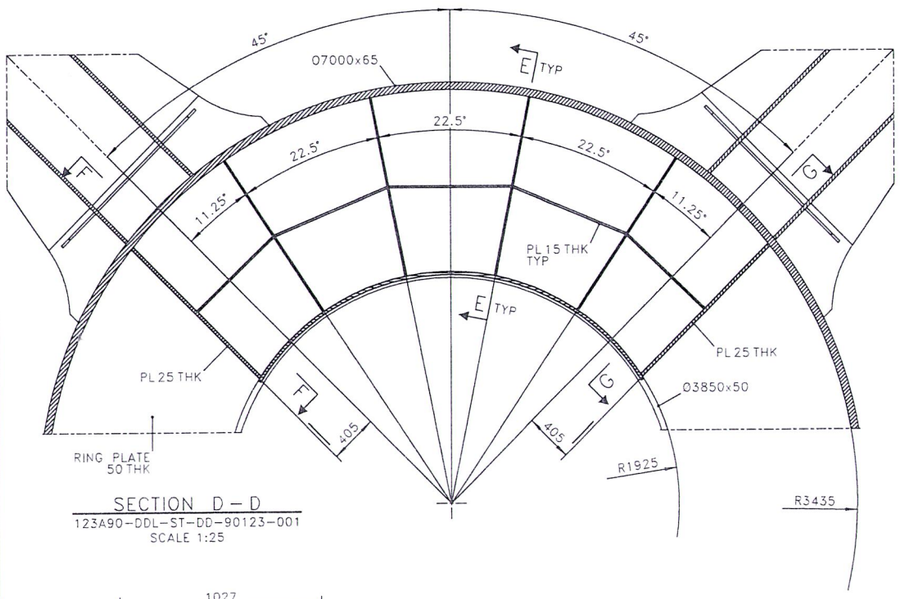
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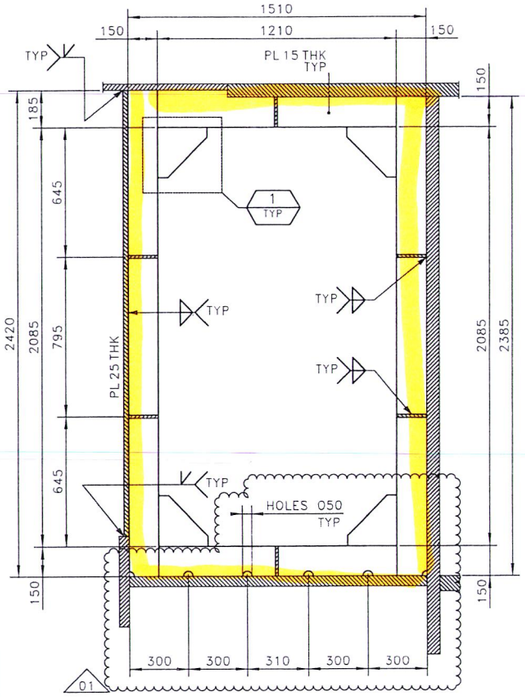
REV. 01



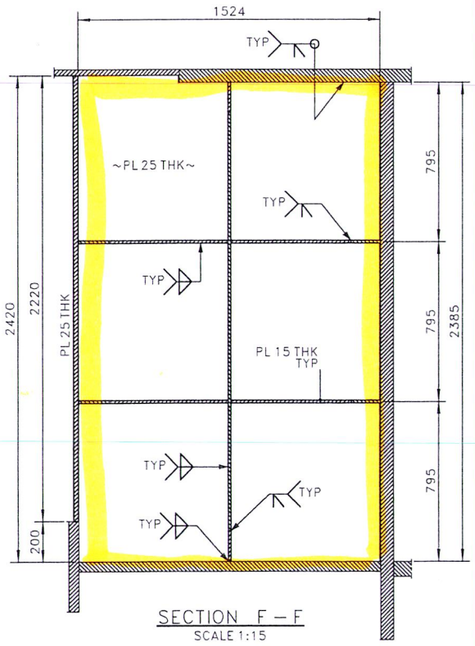
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SCALE 1:25



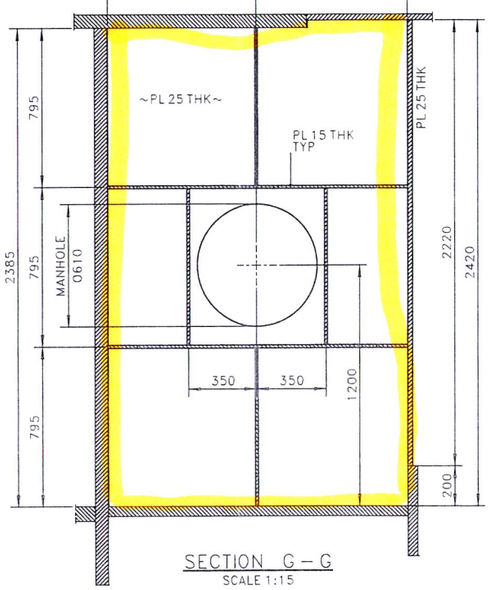
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SCALE 1:25



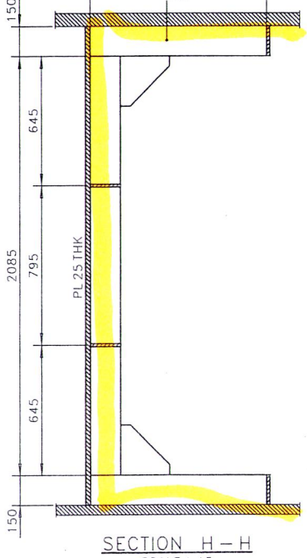
SECTION E – E
SCALE 1:15



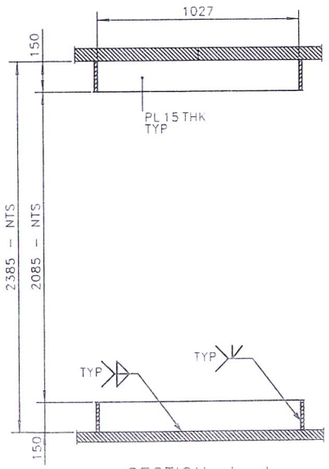
SECTION F – F
SCALE 1:15



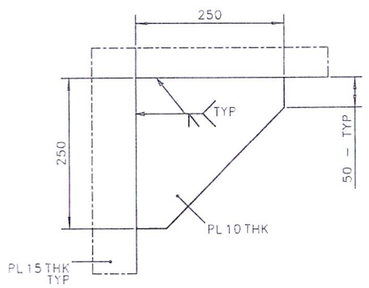
SECTION G – G
SCALE 1:15



SECTION H – H
SCALE 1:15



SECTION J – J
SCALE 1:15



1 TYP DETAIL –

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL WELDS ARE FULL PENETRATION WELDS U.N.O.
4 – ALL FILLET WELDS SHALL BE CONTINUOUS AND THE LEG SIZE SHALL BE EQUAL 0.7 THE MINIMUM THICKNESS TO BE JOINTED U.N.O.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
PL 10 THK	DC3-II-355-0
PL 15 THK	DC3-II-355-20
PL 25 THK	DC3-II-355-20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90032	PLATES – DOUBLE SIDED WELDS
123A90-DDL-ST-DD-90033	PLATES – SINGLE SIDED WELDS
123A90-DDL-ST-DD-90123	TP – WASTE WATER TANK – ASS. AND DET. – SH.1

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	19/08/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	03/06/24	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WASTE WATER TANK
ASSEMBLY AND DETAILS

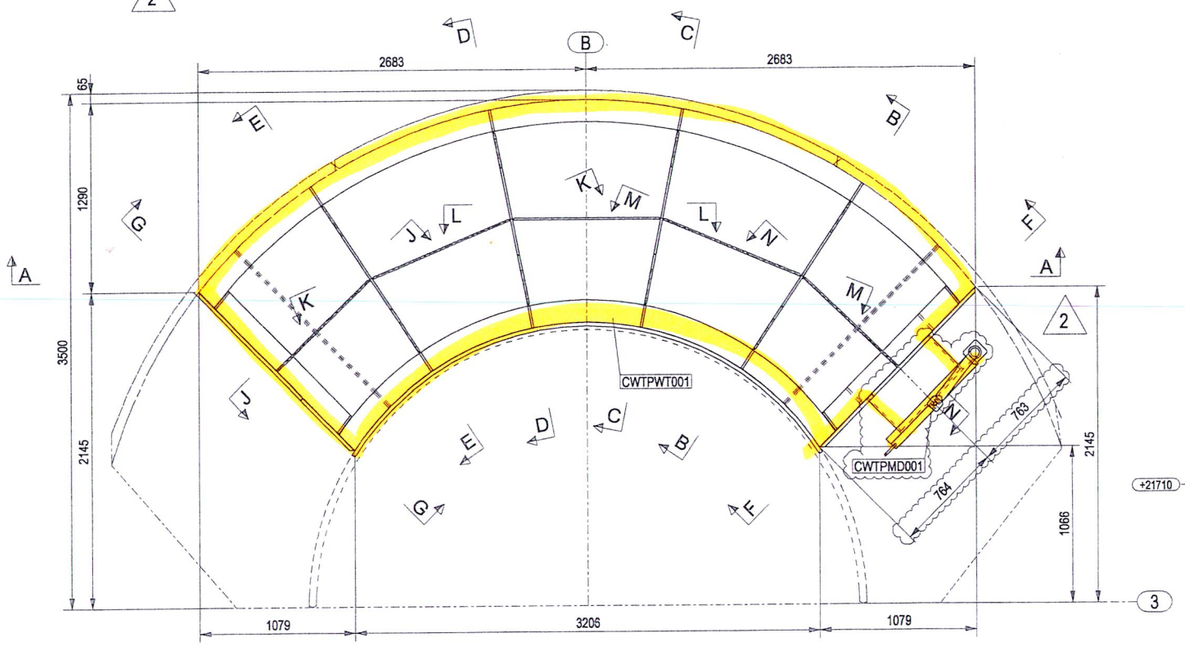
CONTRACT NO.: TITLE: CH-RPA-2023-05/HOLLANDSE LIJST NOORD WIND FARM | SCALE 1:10

DRAWN: S.DRIFFIN | CHECKED: A.EALZAROTTI | APPROVED: D...O STEFZO | DATE: 19/08/24

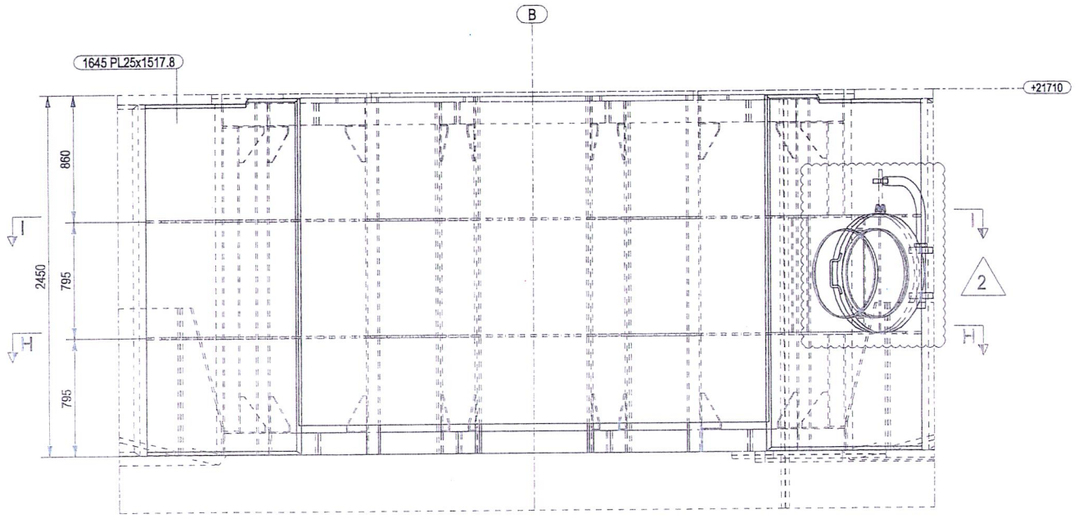
SIZE	DRAWING NO.	SHT. NO.	REV.
A1	123A90-DDL-ST-DD-90123	002/002	01

File Name : 123A90-DDL-ST-DD-90123_01.dwg

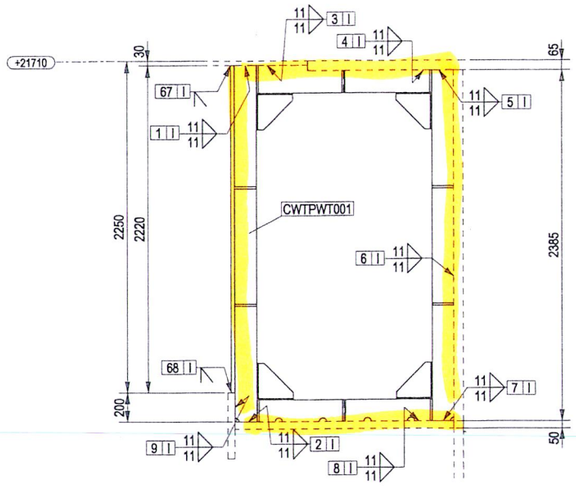
MARKS	DRAWING NUMBER	NOTES
CWTPMD001	123A90-FDL-ST-DD-90773	
CWTPWT001	123A90-FDL-ST-DD-90652	



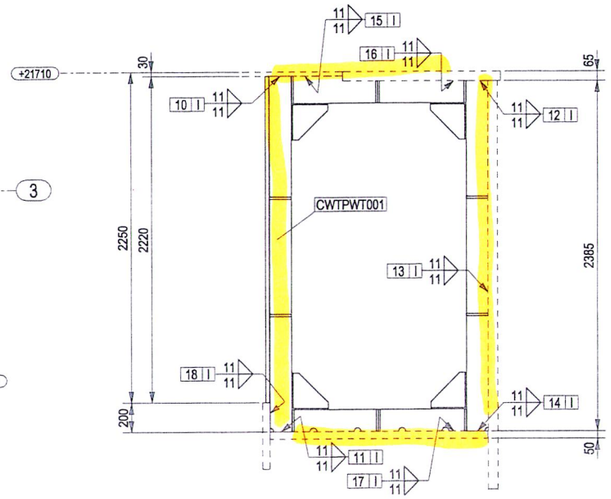
ASSEMBLY WASTE WATER TANK



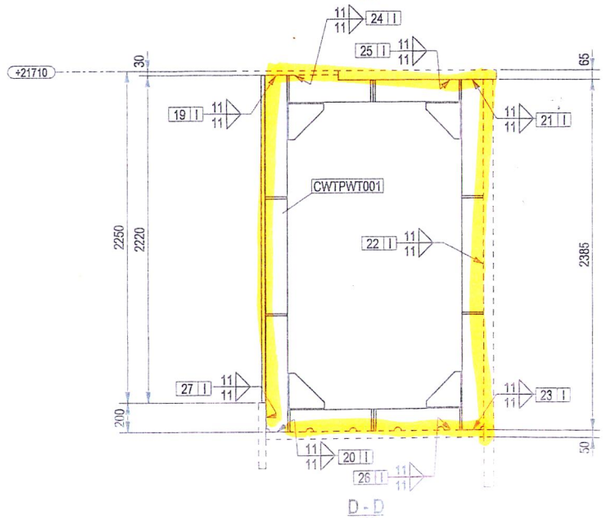
A - A
1:20



B - B
1:20



C - C
1:20

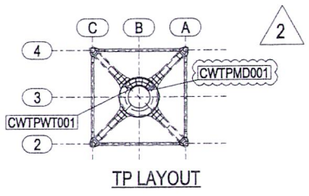


D - D
1:20

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR SECTIONS E-E TO N-N SEE DWG 123A90-FDL-ST-DD-90656

KEY PLAN



TP LAYOUT

HOLDS

REFERENCE DRAWINGS

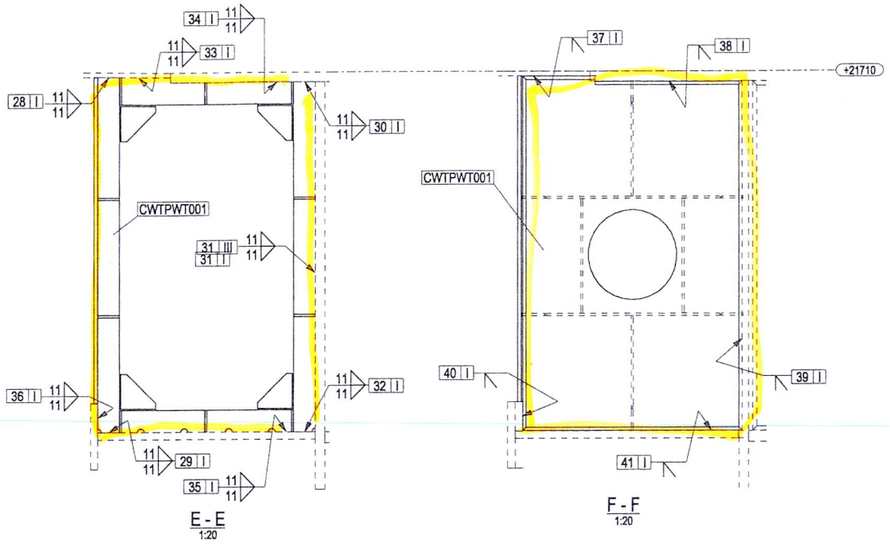
DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90123-001	TP - WASTE WATER TANK ASSEMBLY AND DETAILS
123A90-DDL-ST-DD-90123-002	TP - WASTE WATER TANK ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
2	29/11/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
1	28/08/2024	CM-TS	MR	DC	REVISED WHERE INDICATED/ HOLD REMOVED
0	14/06/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND | ROSETTI MARINO

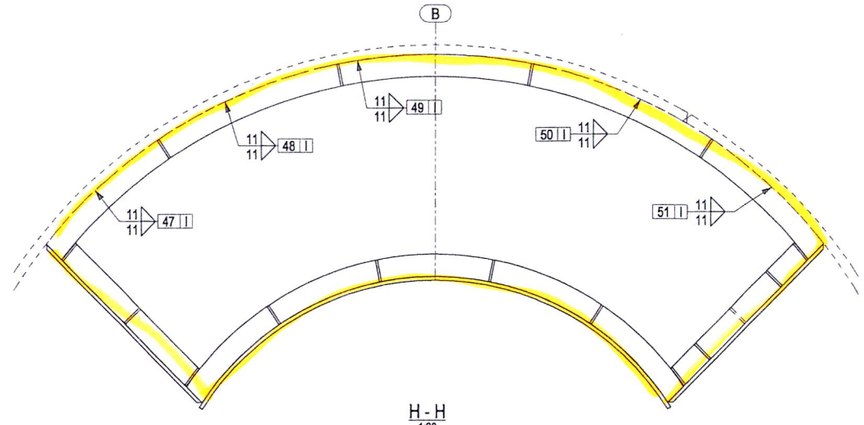
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WASTE WATER TANK AT EL.+21710 TOS
ASSEMBLY TP WASTE WATER TANK

CONTRACT NO./TITLE CW-I-WF4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:20
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 29/11/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90655	SHEET 001	REV. 2

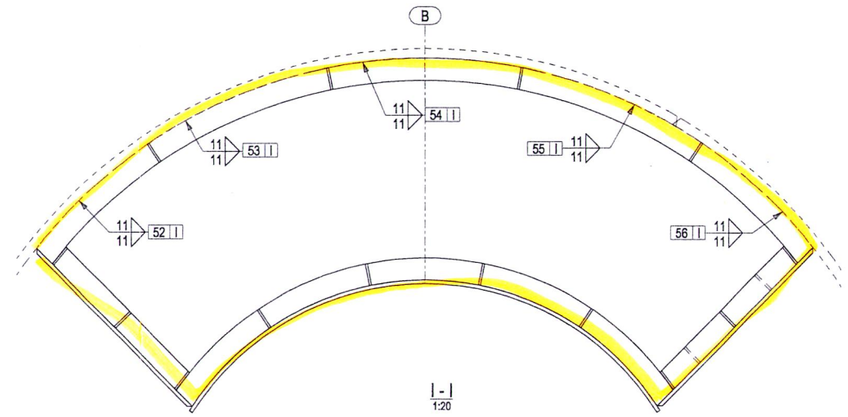


E - E
1:20

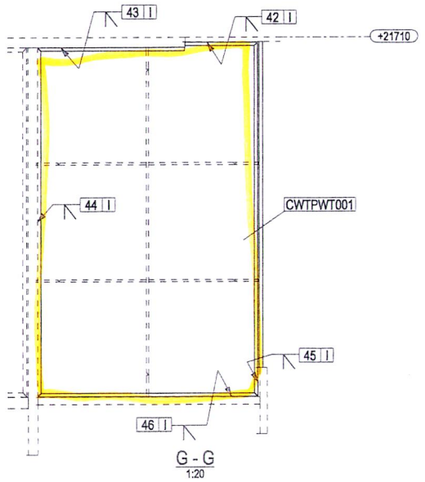
F - F
1:20



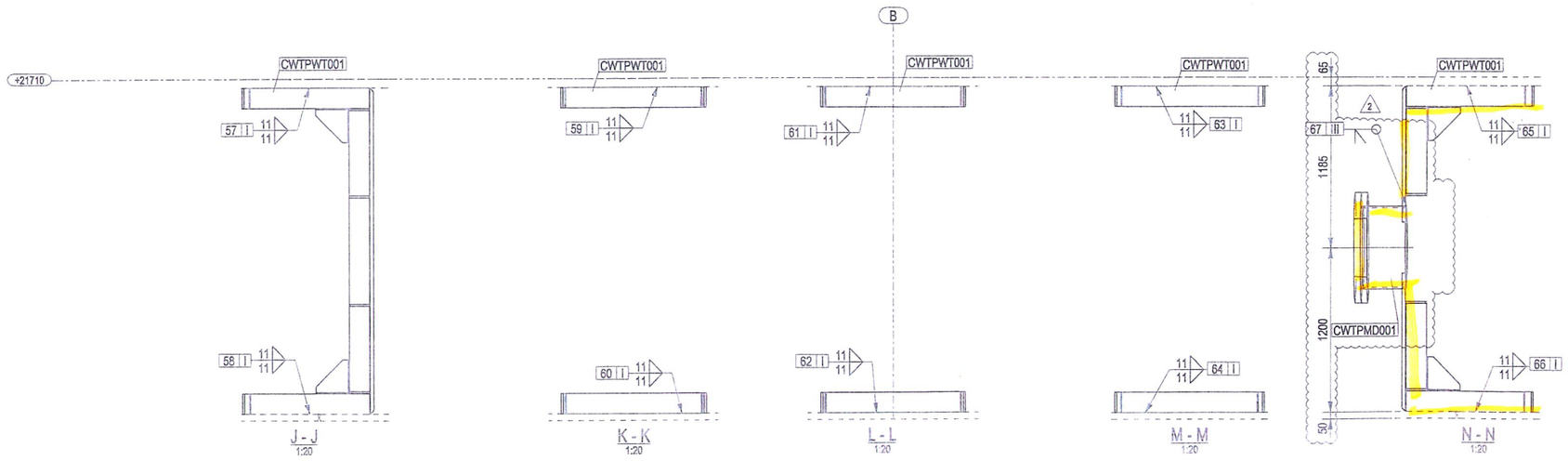
H - H
1:20



I - I
1:20



G - G
1:20



J - J
1:20

K - K
1:20

L - L
1:20

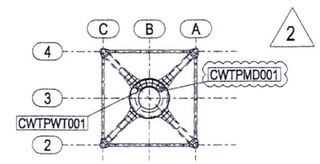
M - M
1:20

N - N
1:20

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR PLAN VIEW AND DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90655

KEY PLAN



TP LAYOUT

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-80123-001	TP - WASTE WATER TANK ASSEMBLY AND DETAILS
123A90-DDL-ST-DD-80123-002	TP - WASTE WATER TANK ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
2	29/11/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
1	28/08/2024	CM-TS	MR	DC	REVISED WHERE INDICATED/ HOLD REMOVED
0	14/06/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WASTE WATER TANK AT EL.+21710 TOS
ASSEMBLY TP WASTE WATER TANK

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:20

DRAWN CM-TS | CHECKED M.ROSSI | APPROVED D.CASADIO | DATE 29/11/2024

A1 | DRAWING NO. 123A90-FDL-ST-DD-90656 | SHEET 001 | REV. 2

ROSETTI MARINO

PAINT APPLICATION REPORT
COMPANY: HOLLANDSE KUST NOORD WIND PARK
PROJECT: CROSSWIND
JOB: 123A90

Document number: B_07.A	Pages: 1 of 63
Item description: ACCESS PLATFORM PLAN ROW 2	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 09/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 84 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 13 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	04/10/2024 10:30	18,6	67,9	12,6	18,1
Conditioned	04/10/2024 15:30	19,1	68,8	13,2	17,2

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3583470	3607509	3590159	N.A.	
Expiration date:	18/07/2026	20/08/2026	24/07/2028	N.A.	
Batch Parte B:	3589589	3614729	3598096	N.A.	
Expiration date:	24/07/2026	24/05/2028	03/09/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	04/10/2024	07/10/2024	08/10/2024	N.A.	
Start / Stop time:	15:30 / 16:30	9:15 / 12:00	8:30 / 11:00	N.A.	
Air temperature:	22,1	17,6	21,1	N.A.	
Surface temperature:	22,1	16,3	20,6	N.A.	
Dew point:	16,0	12,3	15,9	N.A.	
Relative humidity:	68,4	70,9	72,2	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	55/143/77	228/386/279	271/425/334	N.A.	
Inspection date & time:	05/10/2024	08/10/2024	09/10/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto		
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. Ariz 2735		

ALEX SANNA FROSIONE CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_07_A	Issued by: Alex Sanna

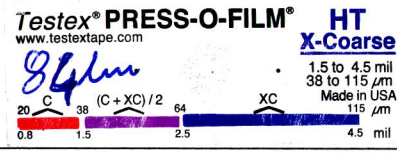
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



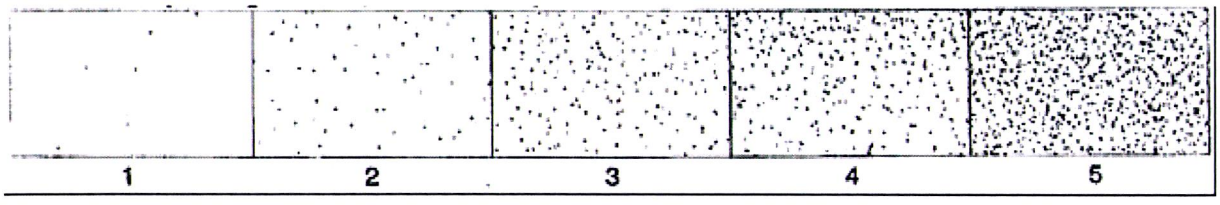
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2135		

Jotun Protects Property

Trieste, 07/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP, COMP B 1.8L	3626772-1-*-1:2	30/08/2024	29/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3583470-1-*-1:2	18/07/2024	18/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 10 20L	01D9697354005	25/09/2024	24/09/2028
JOTUN THINNER NO. 17 (IT) 20L	01D9697354010	25/09/2024	24/09/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 30/08/2024
Batch No: 3626772-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 29/08/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	635	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	90.05	88 - 92 %

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641869** Analysis number: **4476569**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 8/22/2024
Batch No: 3607509-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 8/21/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	714	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1537	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 8/23/2024**

Inan, Semih
QC-laboratory

Document number: **77148452**

Analysis number: **4464678**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796** Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 25/07/2024
Batch No: 3583470-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 25/07/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2620	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641664** Analysis number: **4407967**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 24.07.2024**

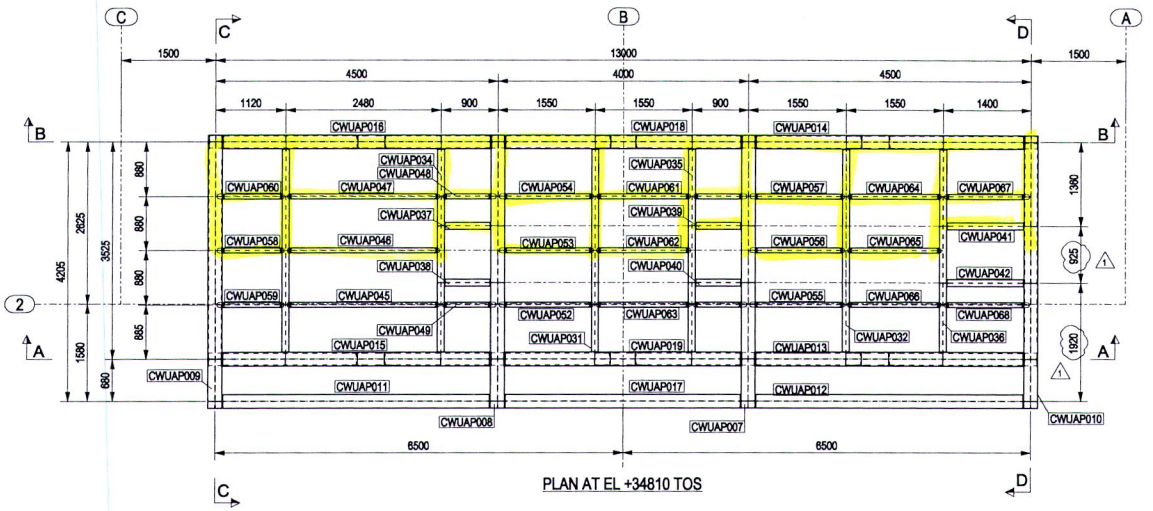
Karademir, Tamer
QC-laboratory

Document number: **76836595**

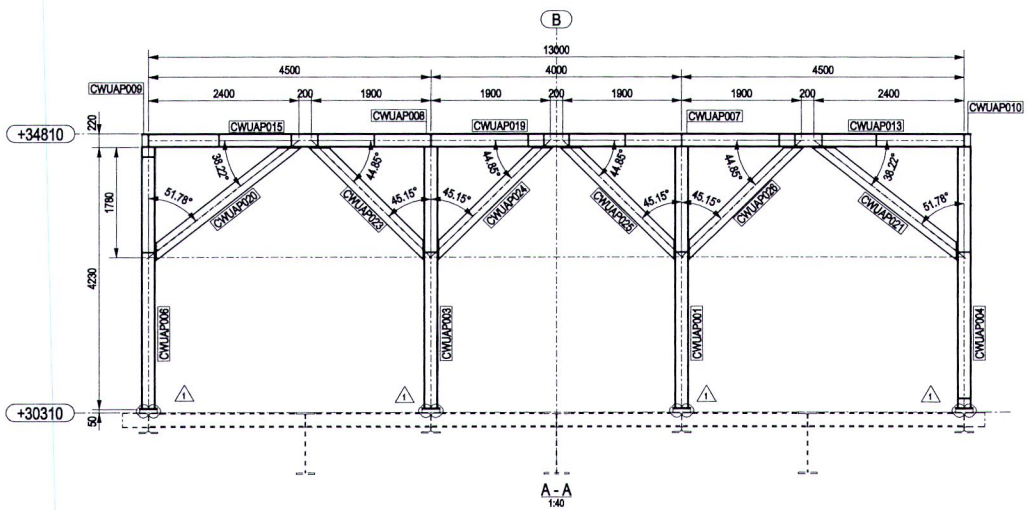
Analysis number: **4415672**

MARKS	DRAWING NUMBER	NOTES
CWUAP001	123A90-FDL-ST-DD-90693	
CWUAP002	123A90-FDL-ST-DD-90693	
CWUAP003	123A90-FDL-ST-DD-90693	
CWUAP004	123A90-FDL-ST-DD-90693	
CWUAP005	123A90-FDL-ST-DD-90694	
CWUAP006	123A90-FDL-ST-DD-90694	
CWUAP007	123A90-FDL-ST-DD-90695	
CWUAP008	123A90-FDL-ST-DD-90695	
CWUAP009	123A90-FDL-ST-DD-90695	
CWUAP010	123A90-FDL-ST-DD-90695	
CWUAP011	123A90-FDL-ST-DD-90695	
CWUAP012	123A90-FDL-ST-DD-90695	
CWUAP013	123A90-FDL-ST-DD-90696	
CWUAP014	123A90-FDL-ST-DD-90696	
CWUAP015	123A90-FDL-ST-DD-90696	
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MARKS	DRAWING NUMBER	NOTES
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CWUAP065	123A90-FDL-ST-DD-90700	
CWUAP066	123A90-FDL-ST-DD-90700	
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CWUAP068	123A90-FDL-ST-DD-90700	
CWUAP069	123A90-FDL-ST-DD-90698	
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CWUAP071	123A90-FDL-ST-DD-90698	



PLAN AT EL +34810 TOS

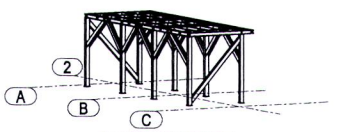


A - A
1:40

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR SECTIONS B–B TO D–D SEE DWG 123A90–FDL–ST–DD–90723
4 – FOR TYPICAL DETAILS SEE DWG 123A90–FDL–ST–DD–90723

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	04/12/2024	CM–TS	WR	DC	REVISED WHERE INDICATED
0	01/08/2024	CM–TS	WR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ACCESS PLATFORM PLAN ROW 2
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:40
DRAWN CM–TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 04/12/2024
A1	DRAWING NO. 123A90–FDL–ST–DD–90722	SHEET 001	REV. 1

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_07.B	Pages: 2 of 63
Item description: ACCESS PLATFORM PLAN ROW 2	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 12/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 84 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 15 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	07/10/2024 8:00	20,3	66,1	13,8	21,7
Conditioned	07/10/2024 15:00	20,4	68,2	14,3	20,7

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3565748	3413788	3590159	N.A.	
Expiration date:	06/07/2026	16/02/2028	24/07/2028	N.A.	
Batch Parte B:	3589589	3546405	3626772	N.A.	
Expiration date:	24/07/2026	11/07/2028	29/08/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	07/10/2024	09/10/2024	11/10/2024	N.A.	
Start / Stop time:	15:30 / 18:00	8:30 / 10:30	8:00 / 10:30	N.A.	
Air temperature:	20,1	20,2	20,7	N.A.	
Surface temperature:	19,6	19,5	20,0	N.A.	
Dew point:	13,9	15,6	15,6	N.A.	
Relative humidity:	67,4	75,9	72,6	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	58/128/82	237/325/263	299/330/365	N.A.	
Inspection date & time:	08/10/2024	10/10/2024	12/10/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA AIA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_07_B	Issued by: Alex Sanna

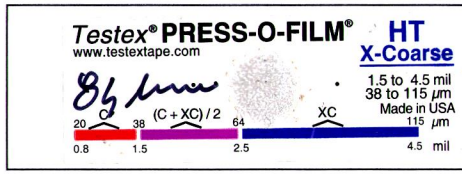
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



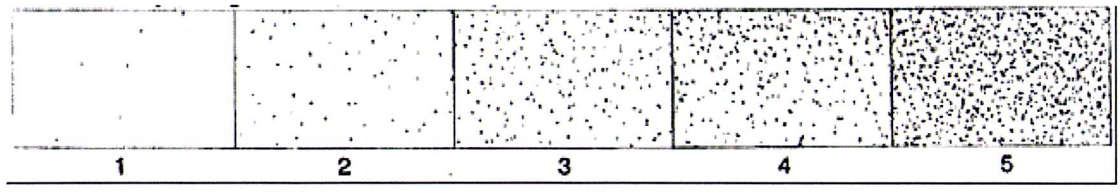
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	ALEX SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto QA/QC Coating Dept.		

ALEX SANNA IRATA FROSIO CERT. Nr. 7021

Jotun Protects Property

Trieste, 10/09/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3563986-1-*-1:2	05/07/2024	04/07/2028
HARDTOP XP RAL 7035 A 18.2L	3581804-1-*-1:2	18/07/2024	17/07/2028
HARDTOP XP, COMP B 1.8L	3586736-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3586728-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3550791-1-*-1:2	17/06/2024	16/06/2028
PENGUARD UNI, COMP B 5L	3546405-1-*-1:2-2	12/07/2024	11/07/2028
PENGUARD UNI GREY A 15L	3365663-1-*-1:3-1	03/01/2024	02/01/2028
PENGUARD UNI GREY A 15L	3413788-1-*-1:2-2	17/02/2024	16/02/2028
BARRIER 80 S, EU COMP B 1.25L	3579042-1-*-1:2-2	13/07/2024	13/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
BARRIER 80 S GREY A 7.5L	3565748-1-*-1:2-3	06/07/2024	06/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9695118015	31/07/2024	30/07/2028
JOTUN THINNER NO. 10 20L	01D9694047035	13/07/2024	12/07/2028
PENGUARD TIECOAT 100 RED A 13L	3549211-1-*-1:2	13/06/2024	13/06/2026
PENGUARD TIECOAT 100, CPB 6.5L	3540740-1-*-1:2	18/06/2024	17/06/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	12/07/2024
Batch No:	3546405-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	11/07/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	953	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 12/07/2024**

Demircan, Hamza
QC-laboratory

Document number: **76713224**

Analysis number: **4393674**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 17.02.2024
Batch No: 3413788-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 16.02.2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	689	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1533	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 17.02.2024**

Karademir, Tamer
QC-laboratory

Document number: **75200495**

Analysis number: **4145405**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 6.07.2024
Batch No: 3565748-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 6.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2645	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 7.07.2024**

Onk, Necmettin
QC-laboratory

Document number: **76644855**

Analysis number: **4385745**

Trieste, 07/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP, COMP B 1.8L	3626772-1-*-1:2	30/08/2024	29/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3583470-1-*-1:2	18/07/2024	18/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 10 20L	01D9697354005	25/09/2024	24/09/2028
JOTUN THINNER NO. 17 (IT) 20L	01D9697354010	25/09/2024	24/09/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796** Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B 1.8L
Colour:	
Production Date:	30/08/2024
Batch No:	3626772-1-*-1:2
Product Code:	0UVCPBBTA
Best Before Date :	29/08/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	635	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	90.05	88 - 92 %

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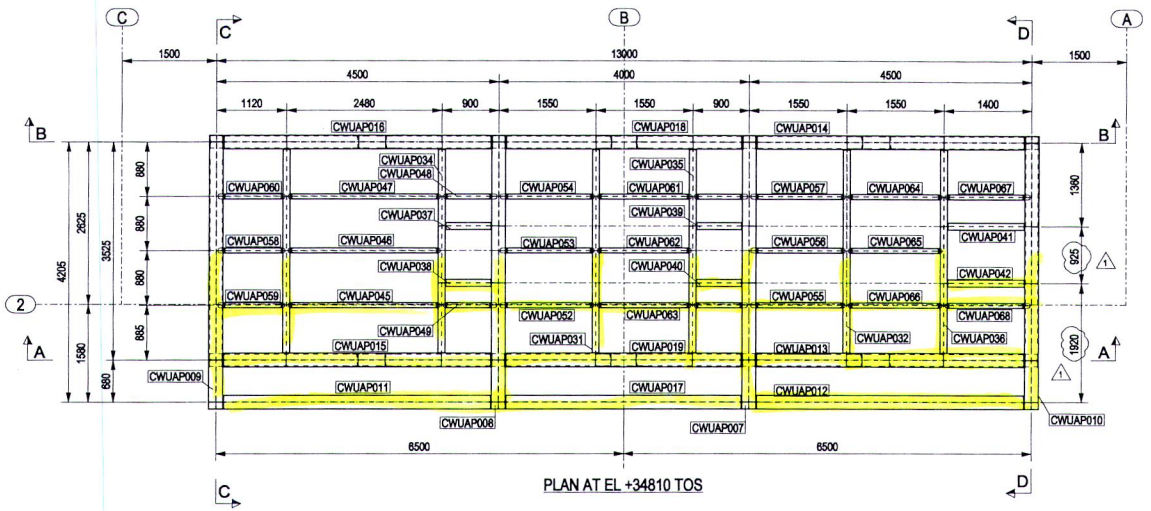
Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641869**

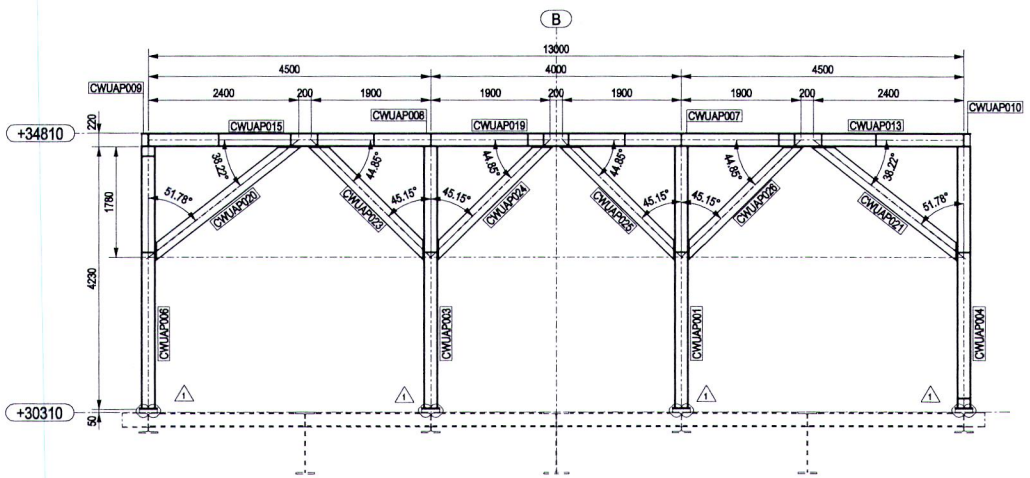
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MARKS	DRAWING NUMBER	NOTES
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CWUAP053	123A90-FDL-ST-DD-90700	
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CWUAP055	123A90-FDL-ST-DD-90700	
CWUAP056	123A90-FDL-ST-DD-90700	
CWUAP057	123A90-FDL-ST-DD-90700	
CWUAP058	123A90-FDL-ST-DD-90700	
CWUAP059	123A90-FDL-ST-DD-90700	
CWUAP060	123A90-FDL-ST-DD-90700	
CWUAP061	123A90-FDL-ST-DD-90700	
CWUAP062	123A90-FDL-ST-DD-90700	
CWUAP063	123A90-FDL-ST-DD-90700	

MARKS	DRAWING NUMBER	NOTES
CWUAP064	123A90-FDL-ST-DD-90700	
CWUAP065	123A90-FDL-ST-DD-90700	
CWUAP066	123A90-FDL-ST-DD-90700	
CWUAP067	123A90-FDL-ST-DD-90700	
CWUAP068	123A90-FDL-ST-DD-90700	
CWUAP069	123A90-FDL-ST-DD-90698	
CWUAP070	123A90-FDL-ST-DD-90698	
CWUAP071	123A90-FDL-ST-DD-90698	



PLAN AT EL +34810 TOS



A - A
1:40

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR SECTIONS B–B TO D–D SEE DWG 123A90–FDL–ST–DD–90723
4 – FOR TYPICAL DETAILS SEE DWG 123A90–FDL–ST–DD–90723

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	04/12/2024	CM–TS	MR	DC	REVISED WHERE INDICATED
0	01/08/2024	CM–TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ACCESS PLATFORM PLAN ROW 2
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:40
DRAWN CM–TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 04/12/2024
A1	DRAWING NO. 123A90–FDL–ST–DD–90722	SHEET 001	REV. 1

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_07.C	Pages: 3 of 63
Item description: SUPPORT ACCESS PLATFORM PLAN ROW 4	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 22/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 62 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 11 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	17/10/2024 8:00	22,3	76,5	18,0	22,0
Conditioned	17/10/2024 14:30	23,7	76,8	19,4	23,9

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3565748	3413788	3563986	N.A.	
Expiration date:	06/07/2026	16/02/2028	04/07/2028	N.A.	
Batch Parte B:	3589589	3546405	3586736	N.A.	
Expiration date:	24/07/2026	11/07/2028	23/07/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	17/10/2024	18/10/2024	21/10/2024	N.A.	
Start / Stop time:	15:30 / 18:00	13:00 / 17:00	08:00 / 11:00	N.A.	
Air temperature:	23,5	24,6	21,9	N.A.	
Surface temperature:	23	24,1	21,3	N.A.	
Dew point:	18,6	19,1	17,2	N.A.	
Relative humidity:	74,1	71,3	74,5	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	53/128/81	248/387/289	283/562/341	N.A.	
Inspection date & time:	18/10/2024	19/10/2024	22/10/2024	N.A.	

Holiday test:	Performed	☐	Not Performed	☐
Risultato:	OK	☐	Not OK	☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA ... PROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_07_C	Issued by: Alex Sanna

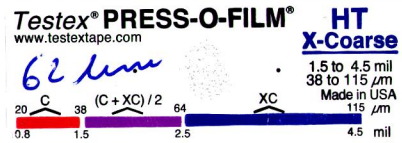
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



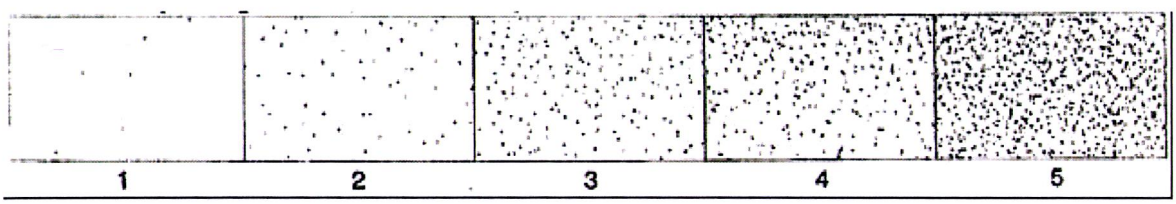
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA ALEX FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

Jotun Protects Property

Trieste, 10/09/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3563986-1-*-1:2	05/07/2024	04/07/2028
HARDTOP XP RAL 7035 A 18.2L	3581804-1-*-1:2	18/07/2024	17/07/2028
HARDTOP XP, COMP B 1.8L	3586736-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3586728-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3550791-1-*-1:2	17/06/2024	16/06/2028
PENGUARD UNI, COMP B 5L	3546405-1-*-1:2-2	12/07/2024	11/07/2028
PENGUARD UNI GREY A 15L	3365663-1-*-1:3-1	03/01/2024	02/01/2028
PENGUARD UNI GREY A 15L	3413788-1-*-1:2-2	17/02/2024	16/02/2028
BARRIER 80 S, EU COMP B 1.25L	3579042-1-*-1:2-2	13/07/2024	13/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
BARRIER 80 S GREY A 7.5L	3565748-1-*-1:2-3	06/07/2024	06/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9695118015	31/07/2024	30/07/2028
JOTUN THINNER NO. 10 20L	01D9694047035	13/07/2024	12/07/2028
PENGUARD TIECOAT 100 RED A 13L	3549211-1-*-1:2	13/06/2024	13/06/2026
PENGUARD TIECOAT 100, CPB 6.5L	3540740-1-*-1:2	18/06/2024	17/06/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 05/07/2024
Batch No: 3563986-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 04/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	317	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1362	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3.5	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 10/09/2024**

Document number: **77346074**

Analysis number: **4384389**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 23/07/2024
Batch No: 3586736-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 22/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	606	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1127	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.49	88 - 92 %

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Place and date: **JP(E)Ltd Flix Fact 10/09/2024**

Document number: **77346147**

Analysis number: **4409652**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	12/07/2024
Batch No:	3546405-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	11/07/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	953	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 12/07/2024**

Demircan, Hamza
QC-laboratory

Document number: **76713224**

Analysis number: **4393674**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 17.02.2024
Batch No: 3413788-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 16.02.2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	689	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1533	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 17.02.2024**

Karademir, Tamer
QC-laboratory

Document number: **75200495**

Analysis number: **4145405**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 6.07.2024
Batch No: 3565748-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 6.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2645	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

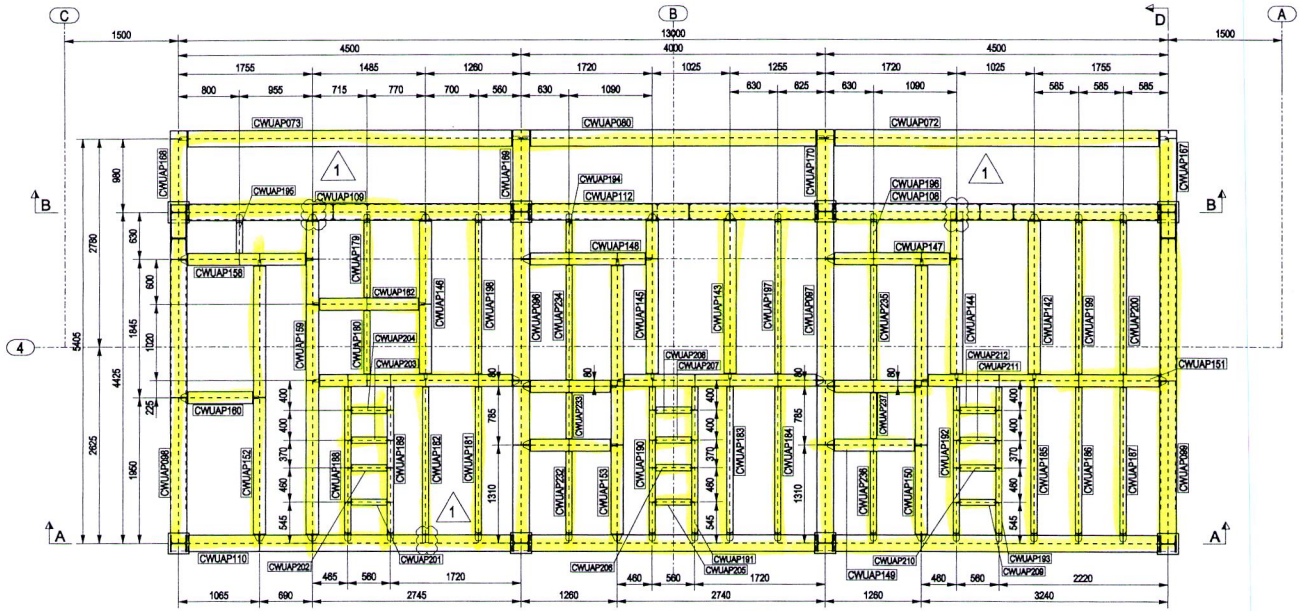
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Place and date: **Cerkezköy Fact 7.07.2024**

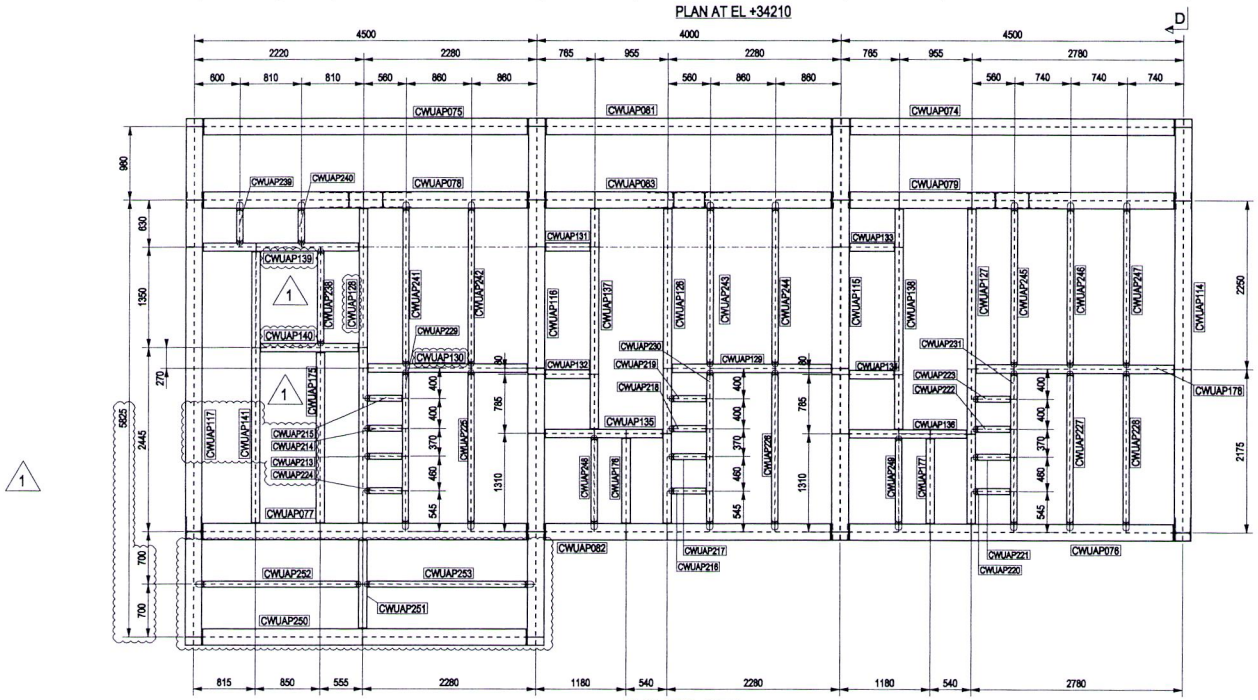
Onk, Necmettin
QC-laboratory

Document number: **76644855**

Analysis number: **4385745**



PLAN AT EL +34210

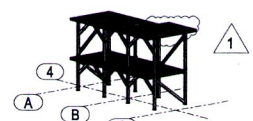


PLAN AT EL +38710

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90724
4 – FOR SECTIONS A-A & B-B SEE DWG 123A90-FDL-ST-DD-90726
5 – FOR SECTIONS C-C & D-D SEE DWG 123A90-FDL-ST-DD-90727
6 – FOR TYPICAL DETAILS SEE DWG 123A90-FDL-ST-DD-90727

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-80125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	10/09/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
0	28/08/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SUPPORT ACCESS PLATFORM PLAN ROW 4
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:30
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 10/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90725	SHEET 001	REV. 0

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_07.D	Pages: 4 of 63
Item description: SUPPORT ACCESS PLATFORM PLAN ROW 4	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 06/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 69 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 16 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	02/11/2024 8:00	20,8	67,3	14,5	20,2
Conditioned	02/11/2024 11:30	21,5	65,3	14,7	22,9

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3614965	3590159	N.A.	
Expiration date:	23/07/2026	23/08/2028	24/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	02/11/2024	04/11/2024	05/11/2024	N.A.	
Start / Stop time:	12:00 / 14:00	09:00 / 11:00	09:00 / 11:00	N.A.	
Air temperature:	22,0	18,7	17,7	N.A.	
Surface temperature:	22,6	18,1	17,1	N.A.	
Dew point:	14,9	13,4	11,8	N.A.	
Relative humidity:	64,1	71,2	68,3	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	52/142/95	260/424/313	288/608/410	N.A.	
Inspection date & time:	04/11/2024	05/11/2024	06/11/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA KRAL FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_07_D	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



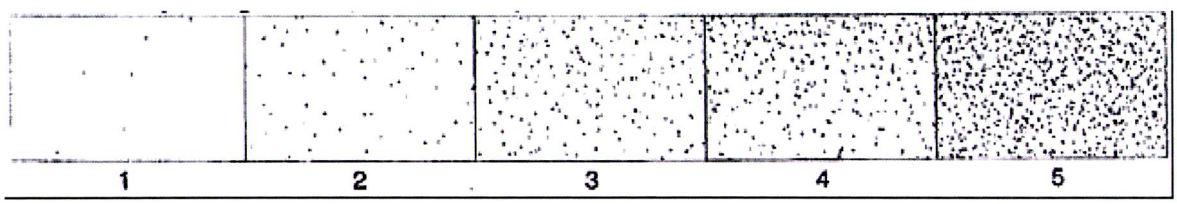
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☐ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma				

ALEX SANNA FROSIO CERT. Nr. 7021

Jotun Protects Property

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 24/08/2024
Batch No: 3614965-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 23.07.2024
Batch No: 3547111-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796** Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

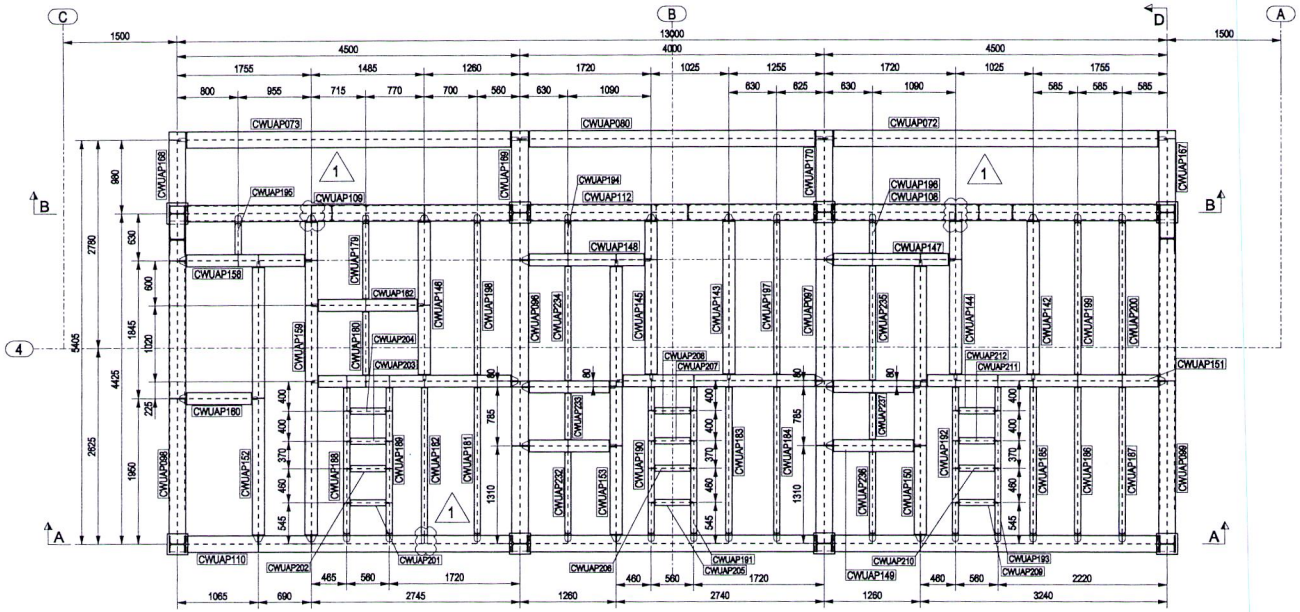
Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 04/10/2024
Batch No: 3657618-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 03/10/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

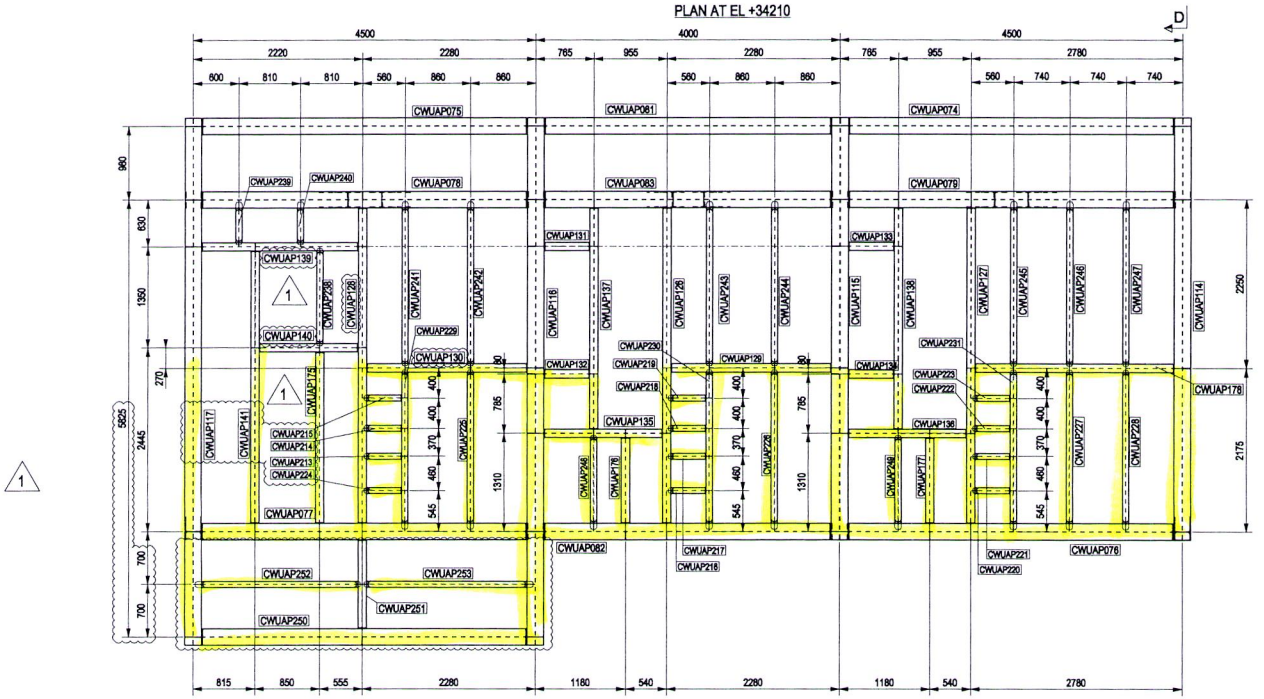
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Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100** Analysis number: **4527355**



PLAN AT EL +34210



PLAN AT EL +38710

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90724
4 – FOR SECTIONS A-A & B-B SEE DWG 123A90-FDL-ST-DD-90726
5 – FOR SECTIONS C-C & D-D SEE DWG 123A90-FDL-ST-DD-90727
6 – FOR TYPICAL DETAILS SEE DWG 123A90-FDL-ST-DD-90727

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	10/09/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
0	28/08/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
SUPPORT ACCESS PLATFORM PLAN ROW 4
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:30
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 10/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90725		SHEET 001	REV. 0

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_07.E	Pages: 5 of 63
Item description: SUPPORT ACCESS PLATFORM PLAN ROW 4	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 06/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 79 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 14 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	31/10/2024 11:00	22,9	65,5	16,1	22,2
Conditioned	31/10/2024 15:00	23,8	62,1	16,1	24,2

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3614965	3590159	N.A.	
Expiration date:	23/07/2026	23/08/2028	24/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	31/10/2024	02/11/2024	05/11/2024	N.A.	
Start / Stop time:	16:00 / 18:00	08:00 / 10:00	11:00 / 12:30	N.A.	
Air temperature:	24,1	22,5	18,8	N.A.	
Surface temperature:	23,5	21,7	18,0	N.A.	
Dew point:	17,7	14,9	13,9	N.A.	
Relative humidity:	67,3	72,1	73,2	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	50/126/78	220/482/305	276/644/425	N.A.	
Inspection date & time:	01/11/2024	04/11/2024	06/11/2024	N.A.	

Holiday test:	Performed	☐	Not Performed	☐
Risultato:	OK	☐	Not OK	☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA ROMA FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_07_E	Issued by: Alex Sanna

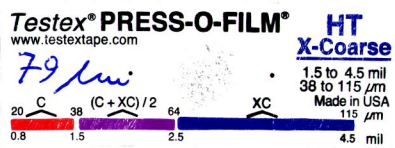
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



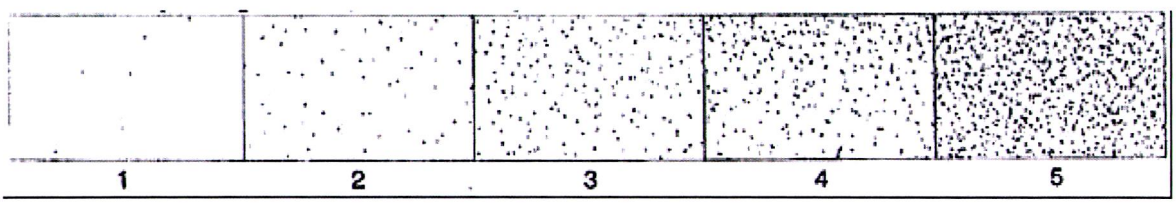
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMF 2735		

Jotun Protects Property

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI GREY A 15L
Colour:	
Production Date:	24/08/2024
Batch No:	3614965-1-*-1:2
Product Code:	0R5GRERVA
Best Before Date :	23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	04/09/2024
Batch No:	3598096-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S GREY A 7.5L
Colour:	
Production Date:	23.07.2024
Batch No:	3547111-1-*-1:2
Product Code:	6BRGREHQA
Best Before Date :	23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	24.07.2024
Batch No:	3589589-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796**

Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B 1.8L
Colour:	
Production Date:	04/10/2024
Batch No:	3657618-1-*-1:2
Product Code:	0UVCPBBTA
Best Before Date :	03/10/2028

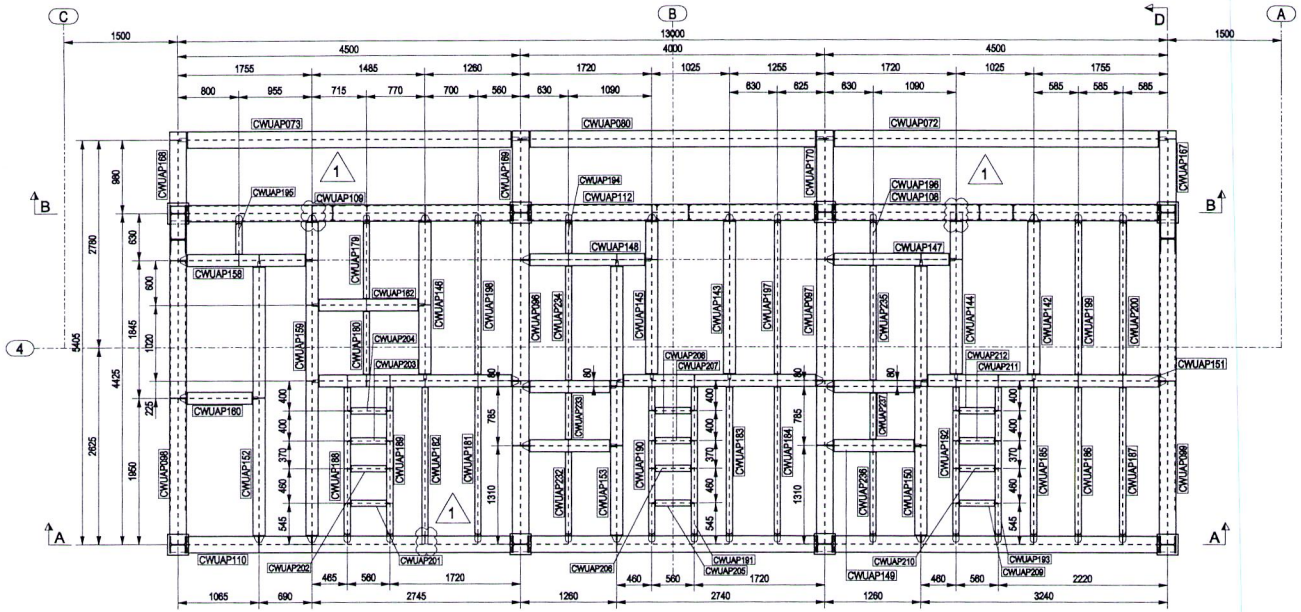
Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

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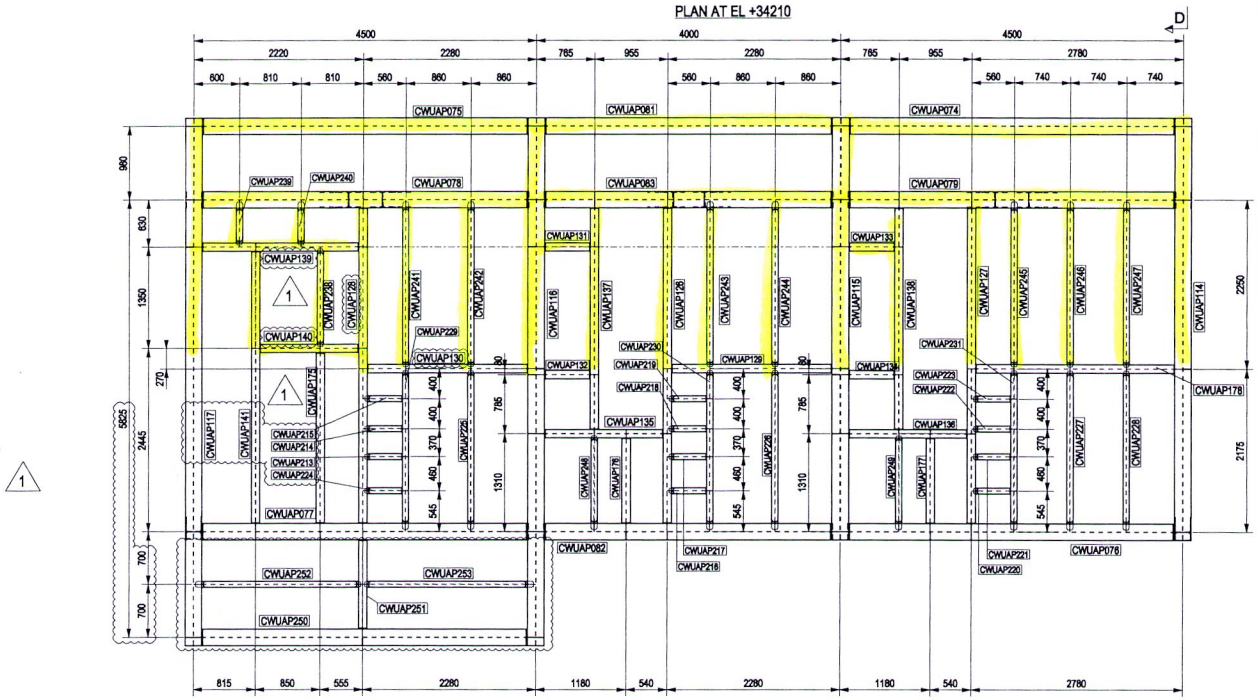
Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100**

Analysis number: **4527355**



PLAN AT EL +34210

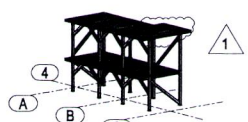


PLAN AT EL +38710

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90724
4 – FOR SECTIONS A-A & B-B SEE DWG 123A90-FDL-ST-DD-90726
5 – FOR SECTIONS C-C & D-D SEE DWG 123A90-FDL-ST-DD-90727
6 – FOR TYPICAL DETAILS SEE DWG 123A90-FDL-ST-DD-90727

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	10/09/2024	CW-TS	MR	DC	REVISED WHERE INDICATED
0	28/08/2024	CW-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SUPPORT ACCESS PLATFORM PLAN ROW 4
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:30
DRAWN CW-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 10/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90725	SHEET 001	REV. 0

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_07.F	Pages: 6 of 63
Item description: SUPPORT ACCESS PLATFORM PLAN ROW 4	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 07/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 68 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 13,2 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	04/11/2024 9:00	18,9	63,4	11,8	17,0
Conditioned	04/11/2024 11:30	20,1	63,0	12,8	19,7

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3614965	3590159	N.A.	
Expiration date:	23/07/2026	23/08/2028	24/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	04/11/2024	05/11/2024	06/11/2024	N.A.	
Start / Stop time:	13:00 / 16:00	10:00 / 12:30	13:00 / 14:00	N.A.	
Air temperature:	23,1	18,4	21,8	N.A.	
Surface temperature:	22,4	17,7	21,2	N.A.	
Dew point:	16,3	12,5	16,6	N.A.	
Relative humidity:	65,7	68,4	72,4	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	60/140/94	234/444/304	276/526/364	N.A.	
Inspection date & time:	05/11/2024	06/11/2024	07/11/2024	N.A.	

Holiday test:	Performed	☐	Not Performed	☐
Risultato:	OK	☐	Not OK	☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO S.p.A. Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90
Annex n.1/ Doc. B_07_F	Issued by: Alex Sanna

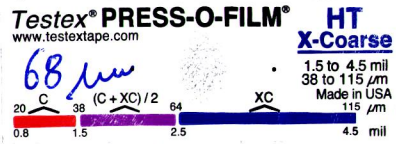
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



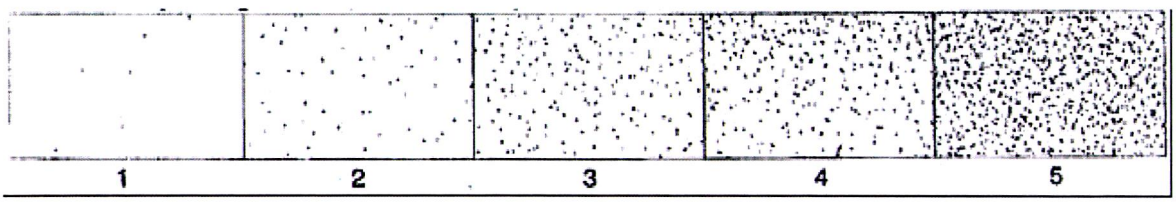
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA ALEX FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMP 2735		

Jotun Protects Property

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI GREY A 15L
Colour:	
Production Date:	24/08/2024
Batch No:	3614965-1-*-1:2
Product Code:	0R5GRERVA
Best Before Date :	23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	04/09/2024
Batch No:	3598096-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S GREY A 7.5L
Colour:	
Production Date:	23.07.2024
Batch No:	3547111-1-*-1:2
Product Code:	6BRGREHQA
Best Before Date :	23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	24.07.2024
Batch No:	3589589-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796**

Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B 1.8L
Colour:	
Production Date:	04/10/2024
Batch No:	3657618-1-*-1:2
Product Code:	0UVCPBBTA
Best Before Date :	03/10/2028

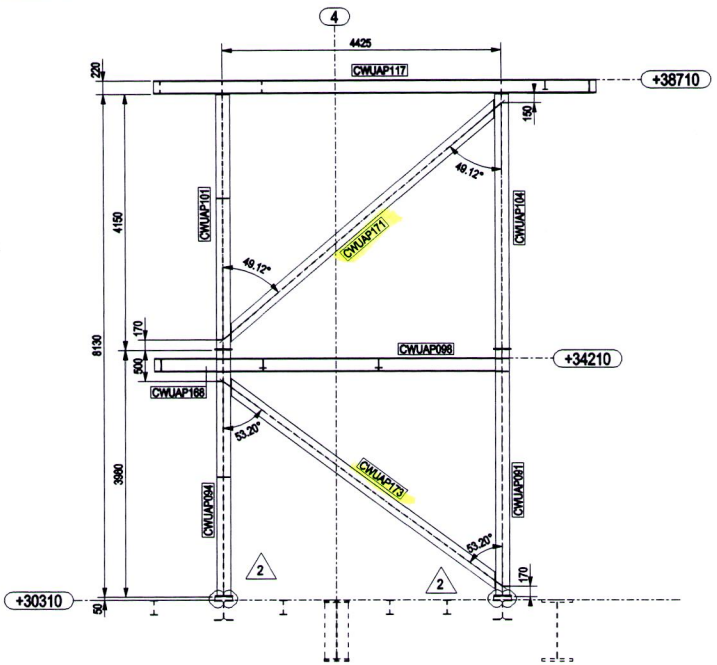
Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

"This is an electronically generated document and need not any signature or stamp."

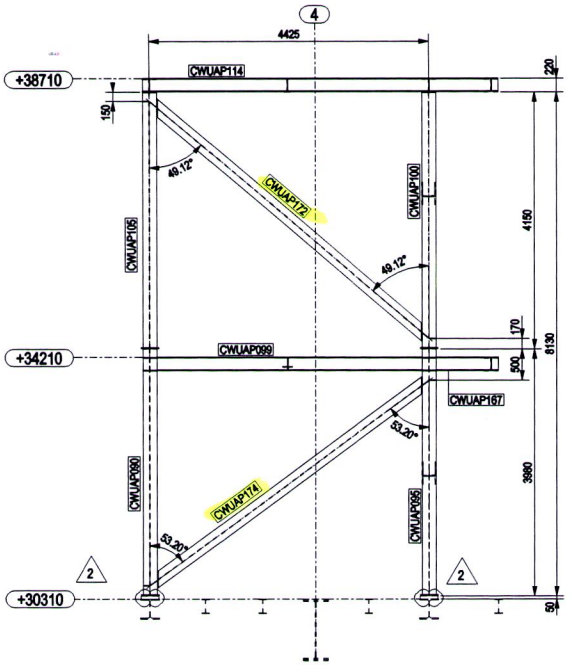
Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100**

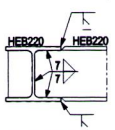
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C - C
1:40



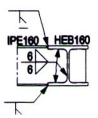
D - D
1:40



TYPICAL DETAIL
HEB220 - HEB220



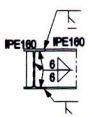
TYPICAL DETAIL
IPE160 - HEB220



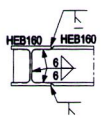
TYPICAL DETAIL
IPE160 - HEB160



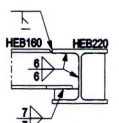
TYPICAL DETAIL
IPE160 - IPE220



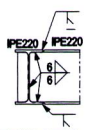
TYPICAL DETAIL
IPE160 - IPE160



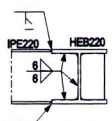
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HEB160 - HEB160



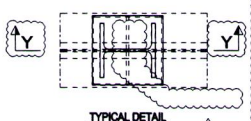
TYPICAL DETAIL
HEB160 - HEB220



TYPICAL DETAIL
IPE220 - IPE220

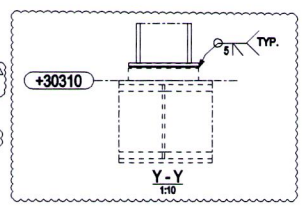


TYPICAL DETAIL
IPE220 - HEB220



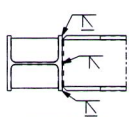
TYPICAL DETAIL

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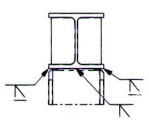


Y - Y
1:10

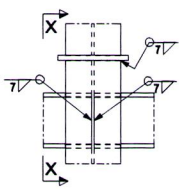
2



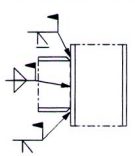
TYPICAL DETAIL
DIAGONAL - COLUMN



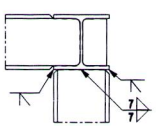
TYPICAL DETAIL
DIAGONAL - PLAN



TYPICAL DETAIL
COLUMN - COLUMN



X - X
1:10



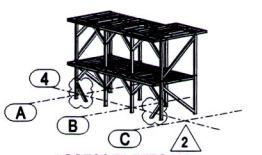
TYPICAL DETAIL
COLUMN - PLAN

2

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90724
4 – FOR PLAN VIEW SEE DWG 123A90-FDL-ST-DD-90725
5 – WELDING CATEGORY ARE V

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

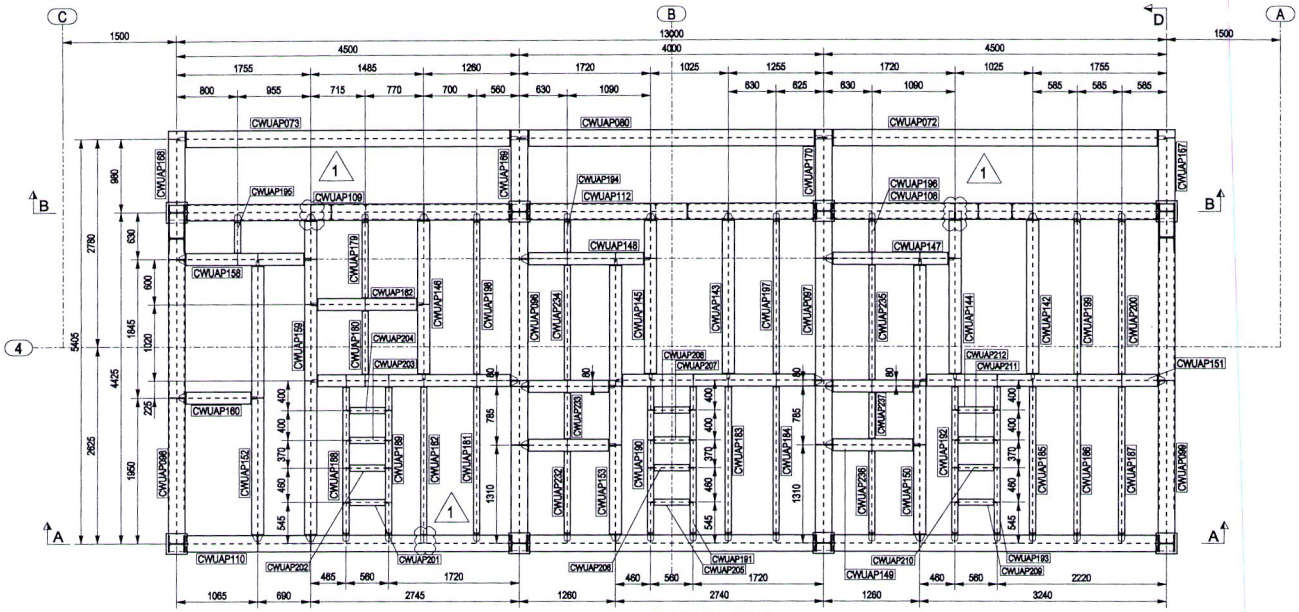
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
2	04/12/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
1	10/09/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
0	28/08/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

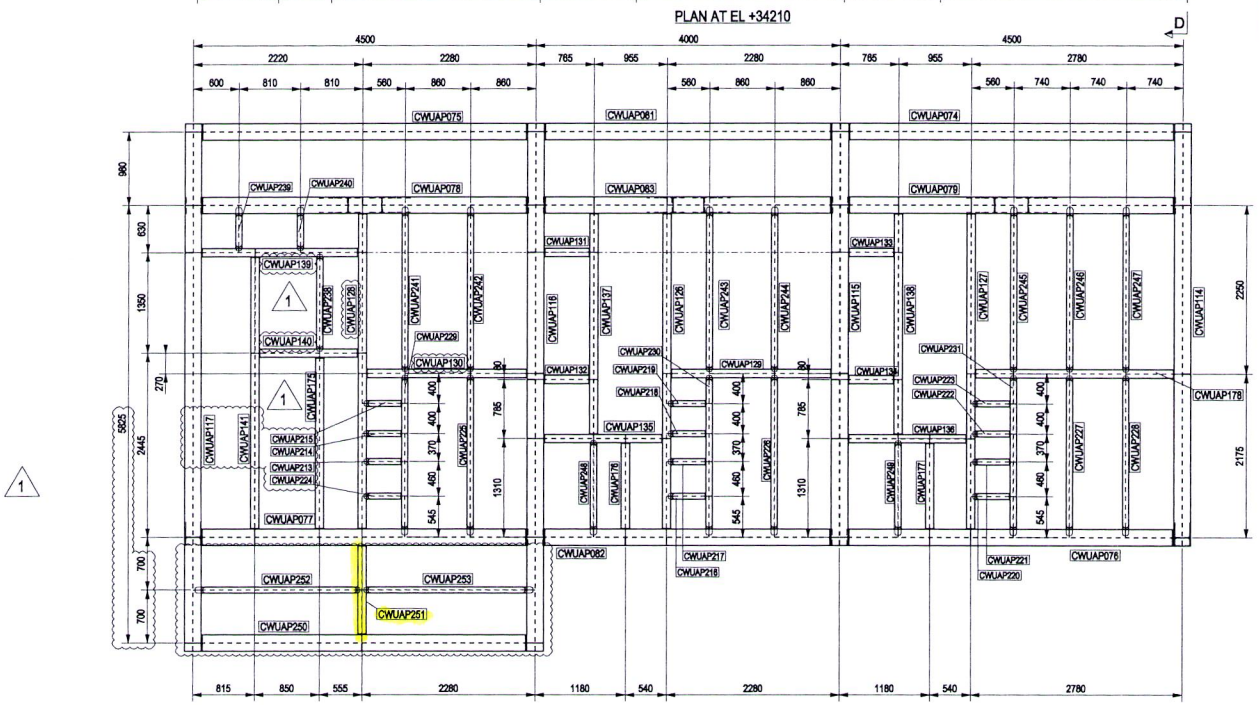
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SUPPORT ACCESS PLATFORM PLAN ROW 4
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:30
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 04/12/2024
DRAWING NO. 123A90-FDL-ST-DD-90727			SHEET 001	REV. 2



PLAN AT EL +34210

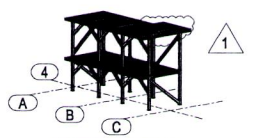


PLAN AT EL +38710

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90724
4 – FOR SECTIONS A-A & B-B SEE DWG 123A90-FDL-ST-DD-90726
5 – FOR SECTIONS C-C & D-D SEE DWG 123A90-FDL-ST-DD-90727
6 – FOR TYPICAL DETAILS SEE DWG 123A90-FDL-ST-DD-90727

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	10/09/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
0	28/08/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
SUPPORT ACCESS PLATFORM PLAN ROW 4

ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:30
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 10/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90725	SHEET 001	REV. 0

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_07_		Pages: 7 of	63
Item description:	SUPPORT ACCESS PLATFORM PLAN	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna		Issue date:	07/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074		Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED

NAME / DESCRIPTION:	QUANTITY	DWG / LIST
ACCESS PLATFORM PLAN ROW 2	1	123A90-FDL-ST-DD-90722
ACCESS PLATFORM PLAN ROW 2	1	123A90-FDL-ST-DD-90722
SUPPORT ACCESS PLATFORM PLAN ROW 4	1	123A90-FDL-ST-DD-90725
SUPPORT ACCESS PLATFORM PLAN ROW 4	1	123A90-FDL-ST-DD-90725
SUPPORT ACCESS PLATFORM PLAN ROW 4	1	123A90-FDL-ST-DD-90725
SUPPORT ACCESS PLATFORM PLAN ROW 4	1	123A90-FDL-ST-DD-90725 / 123A90-FDL-ST-DD-90727

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore [redacted]	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	[redacted]	
Firma	ALEX SANNA ALEX FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AnPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_08.A	Pages: 1 of 66
Item description: ACCESS PLATFORM PLAN ROW 2	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 12/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 72 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 8 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	08/10/2024 9:00	20,2	75,9	15,8	19,5
Conditioned	08/10/2024 15:00	24,4	72,4	19,1	24,7

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3583470	3607509	3590159	N.A.	
Expiration date:	18/07/2026	21/08/2026	24/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3626772	N.A.	
Expiration date:	24/07/2026	03/09/2028	29/08/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	08/10/2024	09/10/2024	11/10/2024	N.A.	
Start / Stop time:	16:00 / 18:00	11:00 / 13:00	8:00 / 10:00	N.A.	
Air temperature:	26,0	21,9	20,5	N.A.	
Surface temperature:	23,5	21,2	19,8	N.A.	
Dew point:	19,6	17,1	15,6	N.A.	
Relative humidity:	68,0	74,3	73,6	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	55/147/92	235/375/275	295/473/379	N.A.	
Inspection date & time:	09/10/2024	10/10/2024	12/10/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐ Risultato: OK ☐ Not OK ☐	Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto		
Firma	ALEX SANNA FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMM 2755		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_08_A	Issued by: Alex Sanna

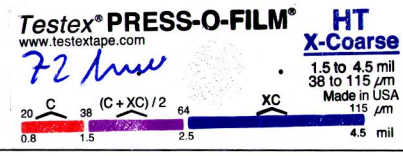
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



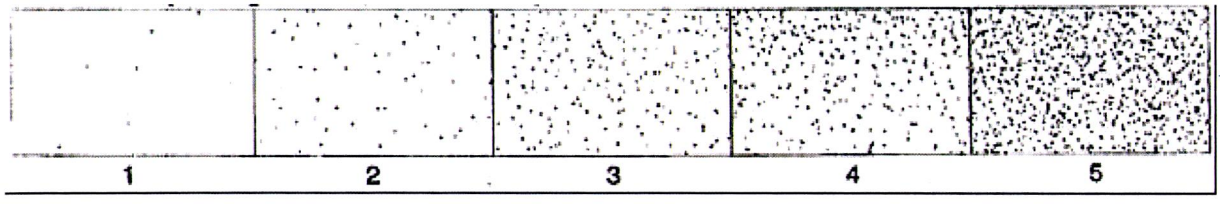
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIONE CERT. Nr. 702	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMP 2435		

Jotun Protects Property

Trieste, 07/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP, COMP B 1.8L	3626772-1-*-1:2	30/08/2024	29/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3583470-1-*-1:2	18/07/2024	18/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 10 20L	01D9697354005	25/09/2024	24/09/2028
JOTUN THINNER NO. 17 (IT) 20L	01D9697354010	25/09/2024	24/09/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 30/08/2024
Batch No: 3626772-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 29/08/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	635	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	90.05	88 - 92 %

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641869**

Analysis number: **4476569**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796**

Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 25/07/2024
Batch No: 3583470-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 25/07/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2620	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641664** Analysis number: **4407967**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI GREY A 15L
Colour:	
Production Date:	8/22/2024
Batch No:	3607509-1-*-1:2
Product Code:	0R5GRERVA
Best Before Date :	8/21/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	714	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1537	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 8/23/2024**

Inan, Semih
QC-laboratory

Document number: **77148452**

Analysis number: **4464678**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	24.07.2024
Batch No:	3589589-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

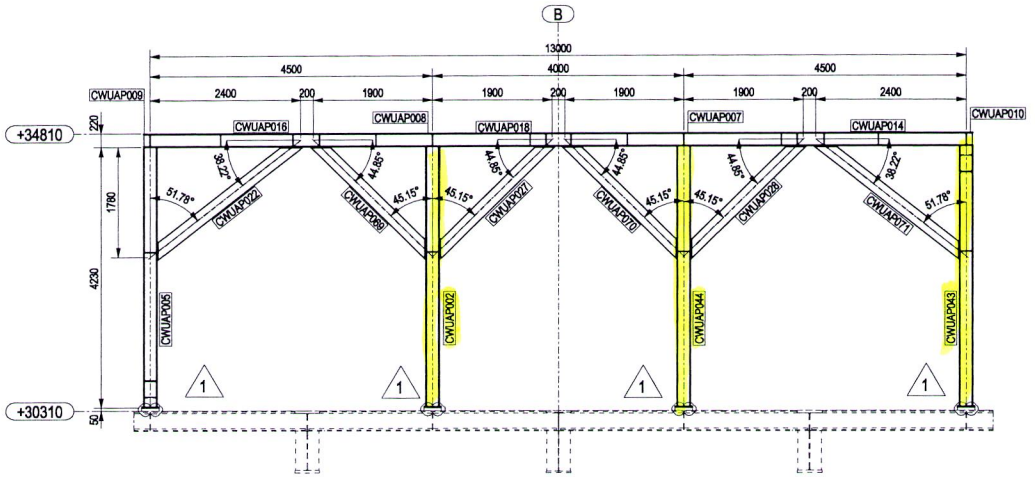
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Place and date: **Cerkezköy Fact 05/09/2024**

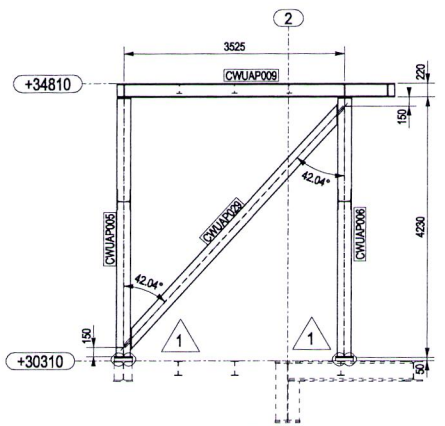
Karademir, Tamer
QC-laboratory

Document number: **77291518**

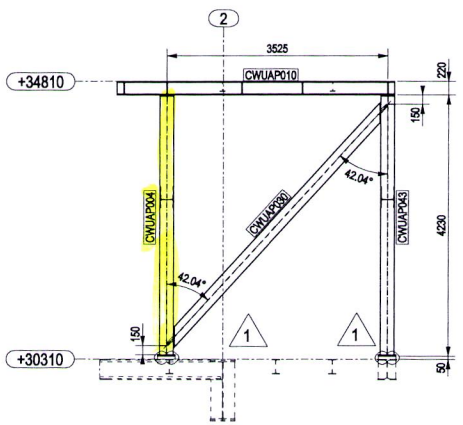
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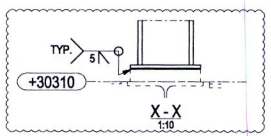
B - B
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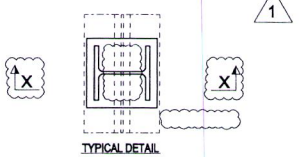
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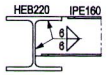
D - D
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X - X
1:10



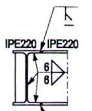
TYPICAL DETAIL



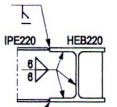
TYPICAL DETAIL
IPE160 - HEB220



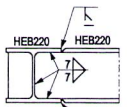
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IPE160 - IPE220



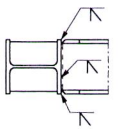
TYPICAL DETAIL
IPE220 - IPE220



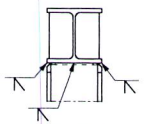
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IPE220 - HEB220



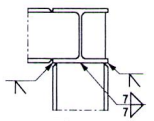
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HEB220 - HEB220



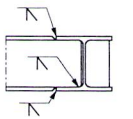
TYPICAL DETAIL
DIAGONAL - COLUMN



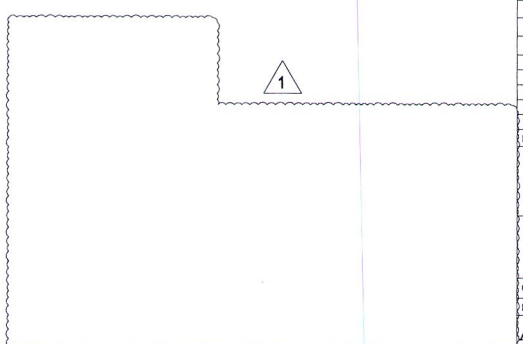
TYPICAL DETAIL
DIAGONAL - PLAN



TYPICAL DETAIL
COLUMN - PLAN



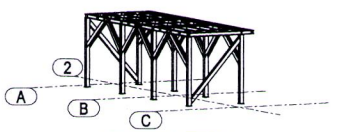
TYPICAL DETAIL
DIAGONAL - COLUMN



NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR PLAN VIEW & DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90723
4 – WELDING CATEGORY ARE V

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	04/12/2024	CW-TS	MR	DC	REVISED WHERE INDICATED
0	01/08/2024	CW-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ACCESS PLATFORM PLAN ROW 2
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:40
DRAWN CW-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 04/12/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90723	SHEET 001	REV. 1

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_08.B	Pages: 2 of 66
Item description: ACCESS PLATFORM PLAN ROW 2	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 12/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 75 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 14 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	09/10/2024 8:00	18,5	80,3	15,0	18,9
Conditioned	09/10/2024 13:00	23,7	59,8	15,4	24,3

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3583470	3607509	3590159	N.A.	
Expiration date:	18/07/2026	21/08/2028	24/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3626772	N.A.	
Expiration date:	24/07/2026	03/09/2028	29/08/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	09/10/2024	11/10/2024	11/10/2024	N.A.	
Start / Stop time:	14:00 / 16:00	8:30 / 10:30	8:00 / 10:00	N.A.	
Air temperature:	23,5	20,2	20,5	N.A.	
Surface temperature:	23,2	20,4	19,8	N.A.	
Dew point:	15,2	15,5	15,6	N.A.	
Relative humidity:	59,8	74,5	73,6	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	52/131/84	231/398/282	295/473/379	N.A.	
Inspection date & time:	10/10/2024	11/10/2024	12/10/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. APPR 2335		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90
Annex n.1/ Doc. B_08_B	Issued by: Alex Sanna

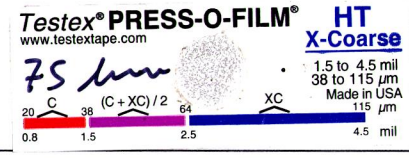
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



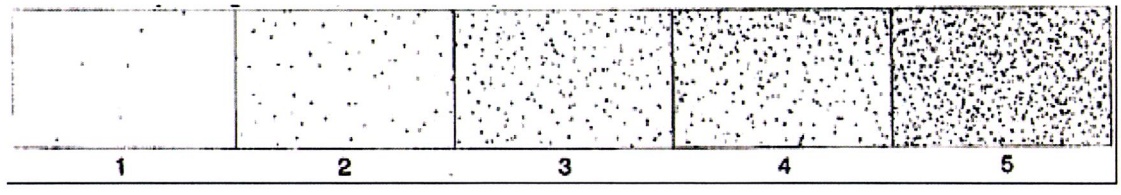
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. APP 2735		

Jotun Protects Property

Trieste, 07/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP, COMP B 1.8L	3626772-1-*-1:2	30/08/2024	29/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3583470-1-*-1:2	18/07/2024	18/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 10 20L	01D9697354005	25/09/2024	24/09/2028
JOTUN THINNER NO. 17 (IT) 20L	01D9697354010	25/09/2024	24/09/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 25/07/2024
Batch No: 3583470-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 25/07/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2620	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641664**

Analysis number: **4407967**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 8/22/2024
Batch No: 3607509-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 8/21/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	714	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1537	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 8/23/2024**

Inan, Semih
QC-laboratory

Document number: **77148452**

Analysis number: **4464678**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796**

Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B 1.8L
Colour:	
Production Date:	30/08/2024
Batch No:	3626772-1-*-1:2
Product Code:	0UVCPBBTA
Best Before Date :	29/08/2028

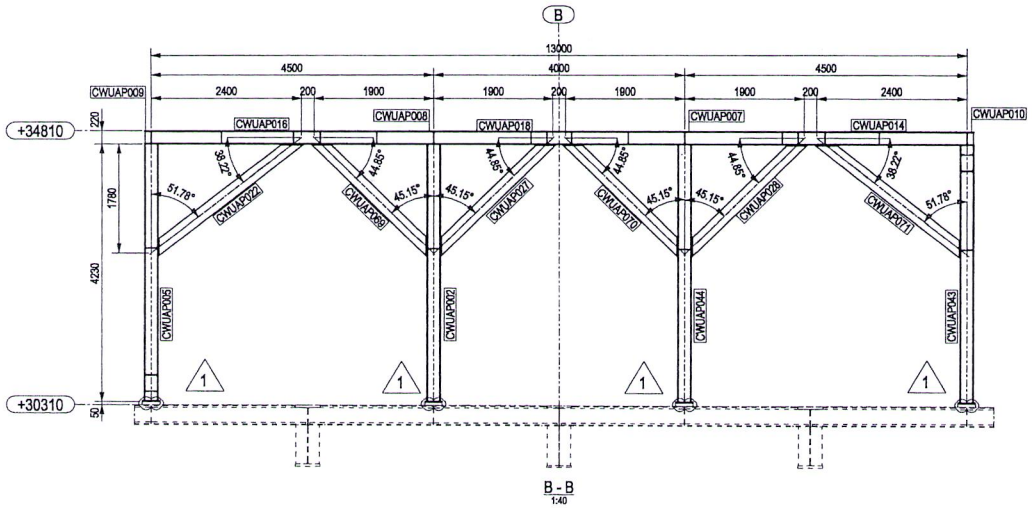
Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	635	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	90.05	88 - 92 %

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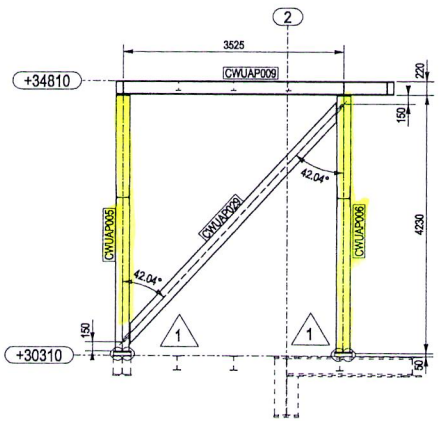
Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641869**

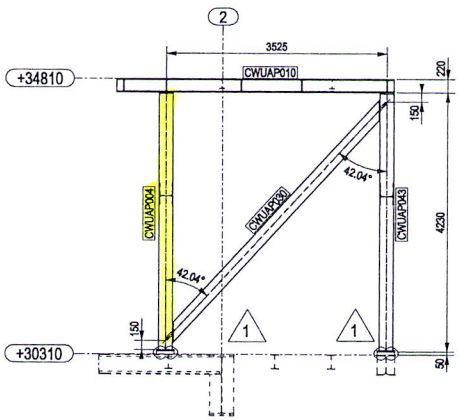
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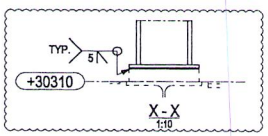
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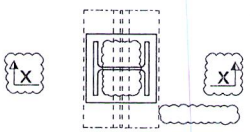
C - C
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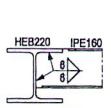
D - D
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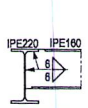
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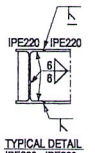
TYPICAL DETAIL



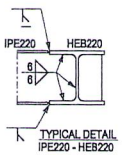
TYPICAL DETAIL
IPE160 - HEB220



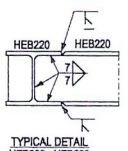
TYPICAL DETAIL
IPE160 - IPE220



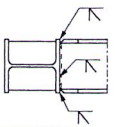
TYPICAL DETAIL
IPE220 - IPE220



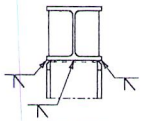
TYPICAL DETAIL
IPE220 - HEB220



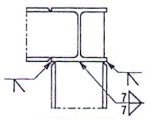
TYPICAL DETAIL
HEB220 - HEB220



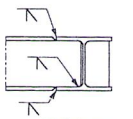
TYPICAL DETAIL
DIAGONAL - COLUMN



TYPICAL DETAIL
DIAGONAL - PLAN



TYPICAL DETAIL
COLUMN - PLAN

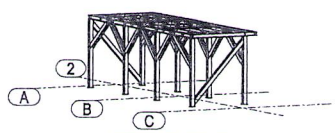


TYPICAL DETAIL
DIAGONAL - COLUMN

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR PLAN VIEW & DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90723
4 – WELDING CATEGORY ARE V

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	04/12/2024	CW-TS	MR	DC	REVISED WHERE INDICATED
0	01/08/2024	CW-TS	MR	DC	ISSUED FOR CONSTRUCTION

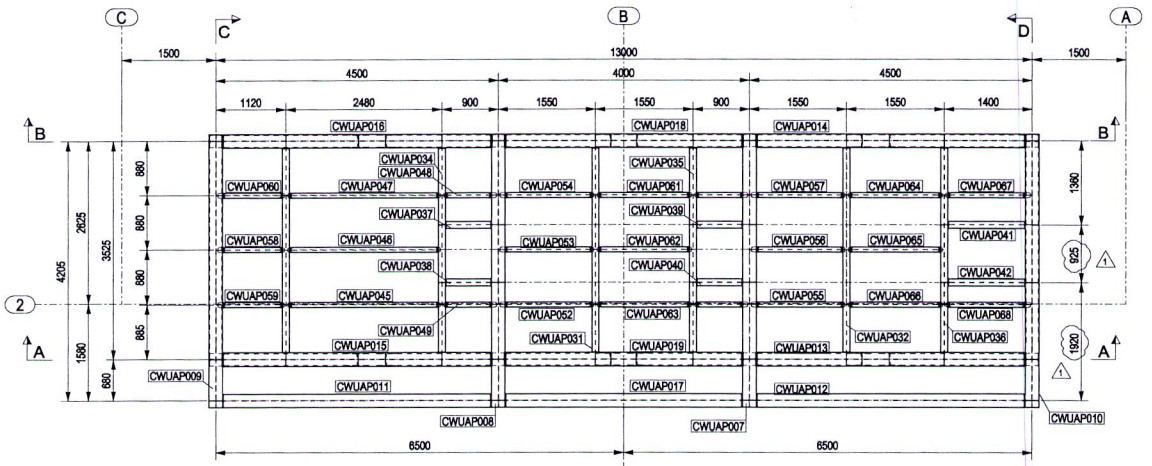
CROSSWIND | ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ACCESS PLATFORM PLAN ROW 2
ASSEMBLY ACCESS PLATFORM

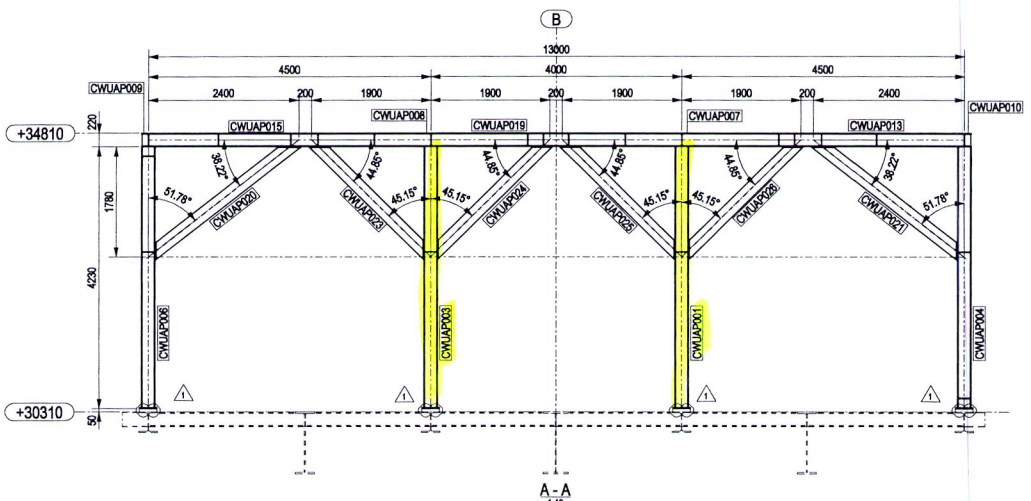
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:40
DRAWN CW-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 04/12/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90723	SHEET 001	REV. 1

MARKS	DRAWING NUMBER	NOTES
CWUAP001	123A90-FDL-ST-DD-90693	
CWUAP002	123A90-FDL-ST-DD-90693	
CWUAP003	123A90-FDL-ST-DD-90693	
CWUAP004	123A90-FDL-ST-DD-90693	
CWUAP005	123A90-FDL-ST-DD-90694	
CWUAP006	123A90-FDL-ST-DD-90694	
CWUAP007	123A90-FDL-ST-DD-90695	
CWUAP008	123A90-FDL-ST-DD-90695	
CWUAP009	123A90-FDL-ST-DD-90695	
CWUAP010	123A90-FDL-ST-DD-90695	
CWUAP011	123A90-FDL-ST-DD-90695	
CWUAP012	123A90-FDL-ST-DD-90695	
CWUAP013	123A90-FDL-ST-DD-90696	
CWUAP014	123A90-FDL-ST-DD-90696	
CWUAP015	123A90-FDL-ST-DD-90696	
CWUAP016	123A90-FDL-ST-DD-90697	
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CWUAP061	123A90-FDL-ST-DD-90700	
CWUAP062	123A90-FDL-ST-DD-90700	
CWUAP063	123A90-FDL-ST-DD-90700	

MARKS	DRAWING NUMBER	NOTES
CWUAP064	123A90-FDL-ST-DD-90700	
CWUAP065	123A90-FDL-ST-DD-90700	
CWUAP066	123A90-FDL-ST-DD-90700	
CWUAP067	123A90-FDL-ST-DD-90700	
CWUAP068	123A90-FDL-ST-DD-90700	
CWUAP069	123A90-FDL-ST-DD-90698	
CWUAP070	123A90-FDL-ST-DD-90698	
CWUAP071	123A90-FDL-ST-DD-90698	



PLAN AT EL +34810 TOS

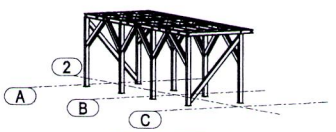


A - A
1:40

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR SECTIONS B–B TO D–D SEE DWG 123A90–FDL–ST–DD–90723
4 – FOR TYPICAL DETAILS SEE DWG 123A90–FDL–ST–DD–90723

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	04/12/2024	CM–TS	MR	DC	REVISED WHERE INDICATED
0	01/08/2024	CM–TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ACCESS PLATFORM PLAN ROW 2
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:40
DRAWN CM–TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 04/12/2024
A1	DRAWING NO. 123A90–FDL–ST–DD–90722	SHEET 001	REV. 1

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_08.C	Pages: 3 of 66
Item description: SUPPORT ACCESS PLATFORM PLAN ROW 4	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 30/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 76 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 9,6 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	26/10/2024 7:00	21,0	68,9	15,1	20,7
Conditioned	26/10/2024 10:00	22,6	75,8	18,1	23,5

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3614965	3590159	N.A.	
Expiration date:	23/07/2026	23/08/2028	24/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	26/10/2024	28/10/2024	29/10/2024	N.A.	
Start / Stop time:	10:30 / 13:30	08:30 / 11:30	9:30 / 11:30	N.A.	
Air temperature:	22,9	22,1	20,7	N.A.	
Surface temperature:	22,3	21,6	20,4	N.A.	
Dew point:	18,3	17,5	16,7	N.A.	
Relative humidity:	75,3	75,2	77,9	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	51/156/90	246/526/339	304/708/407	N.A.	
Inspection date & time:	28/10/2024	29/10/2024	30/10/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	ALSANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA SANNA KALA FROSIO CERT. Nr. 702	ROSETTI MARINO S.p. Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_08_C	Issued by: Alex Sanna

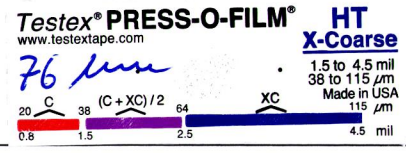
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



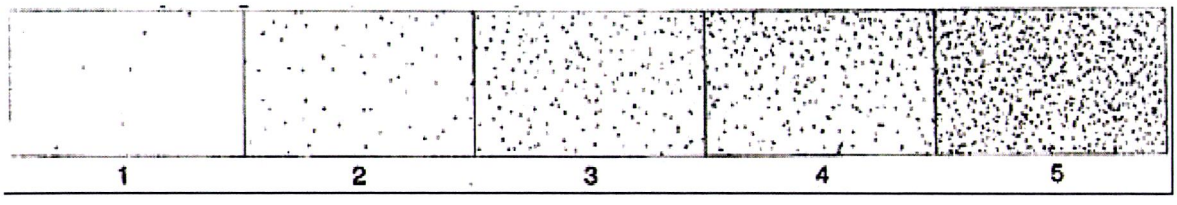
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA Applicator FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPP 2735		

Jotun Protects Property

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 24/08/2024
Batch No: 3614965-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 23.07.2024
Batch No: 3547111-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 04/10/2024
Batch No: 3657618-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 03/10/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

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Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100** Analysis number: **4527355**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

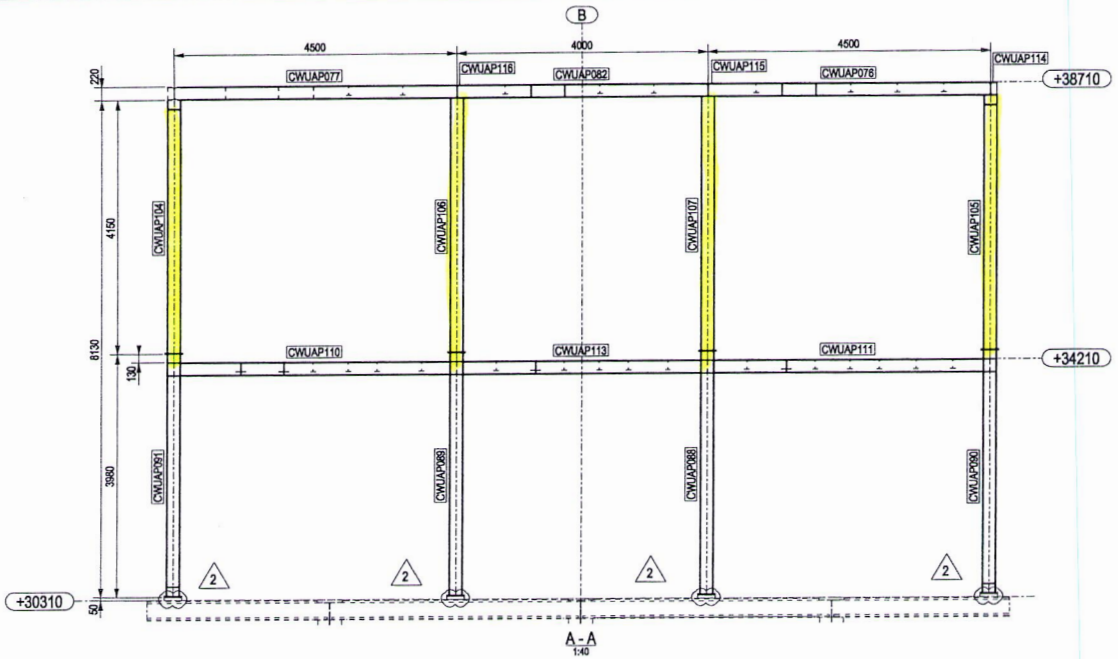
Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

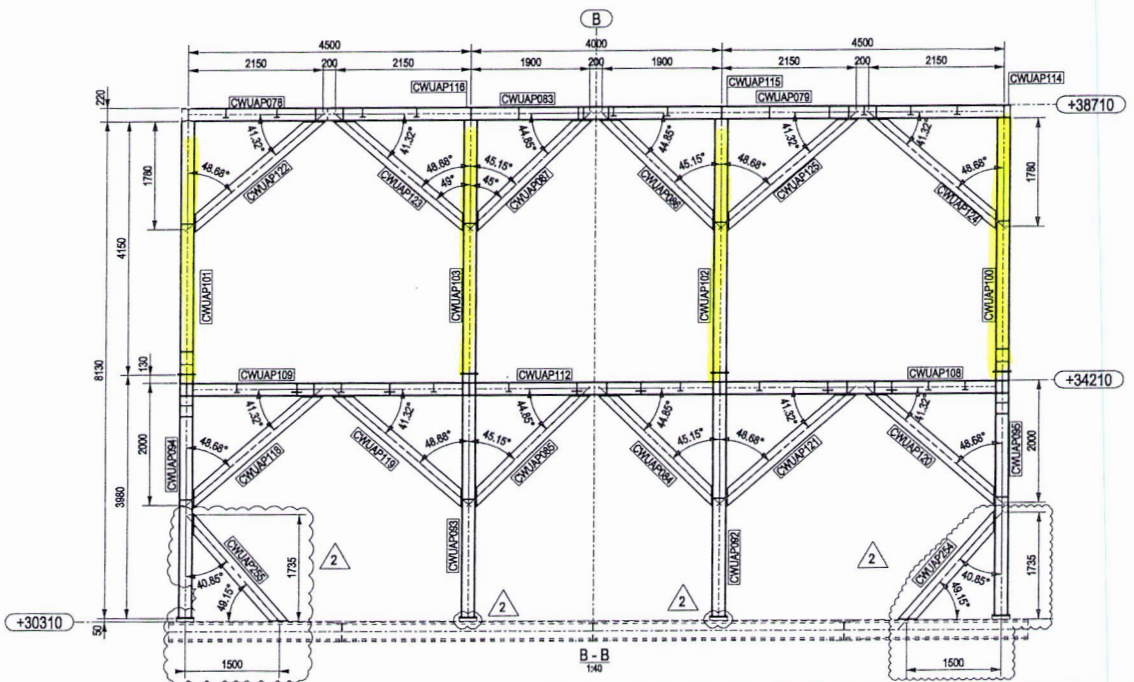
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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796**

Analysis number: **4420118**

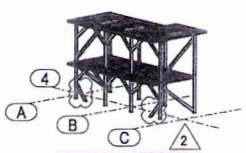




NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR DRAWING LIST SEE DWG 123A90–FDL–ST–DD–90724
4 – FOR PLAN VIEW SEE DWG 123A90–FDL–ST–DD–90725
5 – FOR TYPICAL DETAILS SEE DWG 123A90–FDL–ST–DD–90727

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
2	04/12/2024	CM–TS	MR	DC	REVISED WHERE INDICATED
1	10/09/2024	CM–TS	MR	DC	REVISED WHERE INDICATED
0	28/08/2024	CM–TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SUPPORT ACCESS PLATFORM PLAN ROW 4
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:30
DRAWN CM–TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 04/12/2024
A1	DRAWING NO. 123A90–FDL–ST–DD–90726		SHEET 001	REV. 2

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_08.D	Pages: 4 of 66
Item description: SUPPORT ACCESS PLATFORM PLAN ROW 4	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 23/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 59 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 11 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	18/10/2024 13:00	23,7	64,5	16,6	22,8
Conditioned	18/10/2024 17:00	23,5	75,9	19,0	25,6

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3565748	3413788	3563986	N.A.	
Expiration date:	06/07/2026	16/02/2028	04/07/2028	N.A.	
Batch Parte B:	3589589	3546405	3586736	N.A.	
Expiration date:	24/07/2026	11/07/2028	23/07/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	18/10/2024	19/10/2024	22/10/2024	N.A.	
Start / Stop time:	17:30 / 19:30	08:00 / 10:30	8:30 / 11:30	N.A.	
Air temperature:	22,4	21,1	22,4	N.A.	
Surface temperature:	21,7	20,4	21,8	N.A.	
Dew point:	17,8	15,8	17,5	N.A.	
Relative humidity:	75,3	71,6	73,9	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	68/144/92	239/392/293	271/528/337	N.A.	
Inspection date & time:	19/10/2024	21/10/2024	23/10/2024	N.A.	

Holiday test:	Performed	☐	Not Performed	☐
Risultato:	OK	☐	Not OK	☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90
Annex n.1/ Doc. B_08_D	Issued by: Alex Sanna

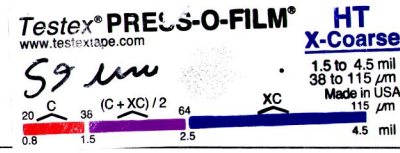
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



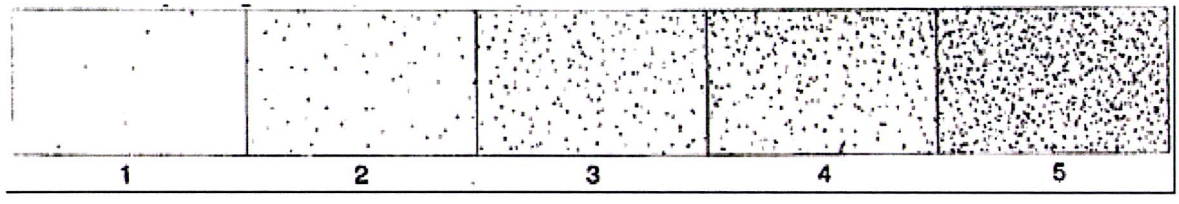
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPP 2735		

Jotun Protects Property

Trieste, 10/09/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3563986-1-*-1:2	05/07/2024	04/07/2028
HARDTOP XP RAL 7035 A 18.2L	3581804-1-*-1:2	18/07/2024	17/07/2028
HARDTOP XP, COMP B 1.8L	3586736-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3586728-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3550791-1-*-1:2	17/06/2024	16/06/2028
PENGUARD UNI, COMP B 5L	3546405-1-*-1:2-2	12/07/2024	11/07/2028
PENGUARD UNI GREY A 15L	3365663-1-*-1:3-1	03/01/2024	02/01/2028
PENGUARD UNI GREY A 15L	3413788-1-*-1:2-2	17/02/2024	16/02/2028
BARRIER 80 S, EU COMP B 1.25L	3579042-1-*-1:2-2	13/07/2024	13/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
BARRIER 80 S GREY A 7.5L	3565748-1-*-1:2-3	06/07/2024	06/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9695118015	31/07/2024	30/07/2028
JOTUN THINNER NO. 10 20L	01D9694047035	13/07/2024	12/07/2028
PENGUARD TIECOAT 100 RED A 13L	3549211-1-*-1:2	13/06/2024	13/06/2026
PENGUARD TIECOAT 100, CPB 6.5L	3540740-1-*-1:2	18/06/2024	17/06/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 05/07/2024
Batch No: 3563986-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 04/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	317	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1362	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3.5	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 10/09/2024**

Document number: **77346074**

Analysis number: **4384389**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 23/07/2024
Batch No: 3586736-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 22/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	606	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1127	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.49	88 - 92 %

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Place and date: **JP(E)Ltd Flix Fact 10/09/2024**

Document number: **77346147**

Analysis number: **4409652**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	12/07/2024
Batch No:	3546405-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	11/07/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	953	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 12/07/2024**

Demircan, Hamza
QC-laboratory

Document number: **76713224**

Analysis number: **4393674**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI GREY A 15L
Colour:	
Production Date:	17.02.2024
Batch No:	3413788-1-*-1:2
Product Code:	0R5GRERVA
Best Before Date :	16.02.2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	689	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1533	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 17.02.2024**

Karademir, Tamer
QC-laboratory

Document number: **75200495**

Analysis number: **4145405**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 6.07.2024
Batch No: 3565748-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 6.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2645	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

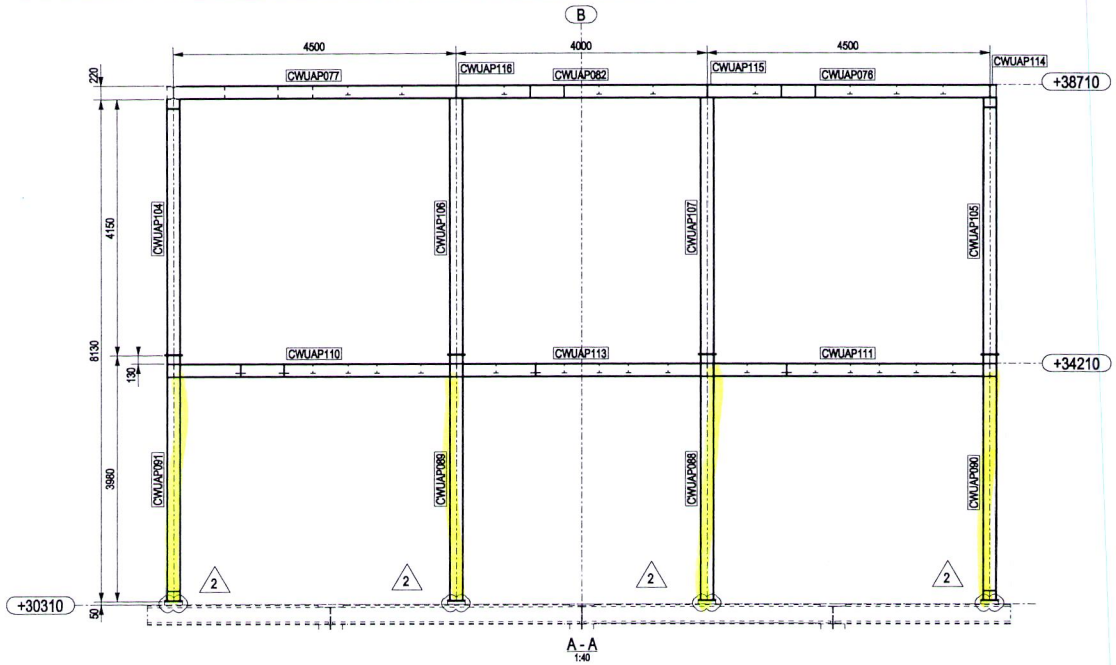
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Place and date: **Cerkezköy Fact 7.07.2024**

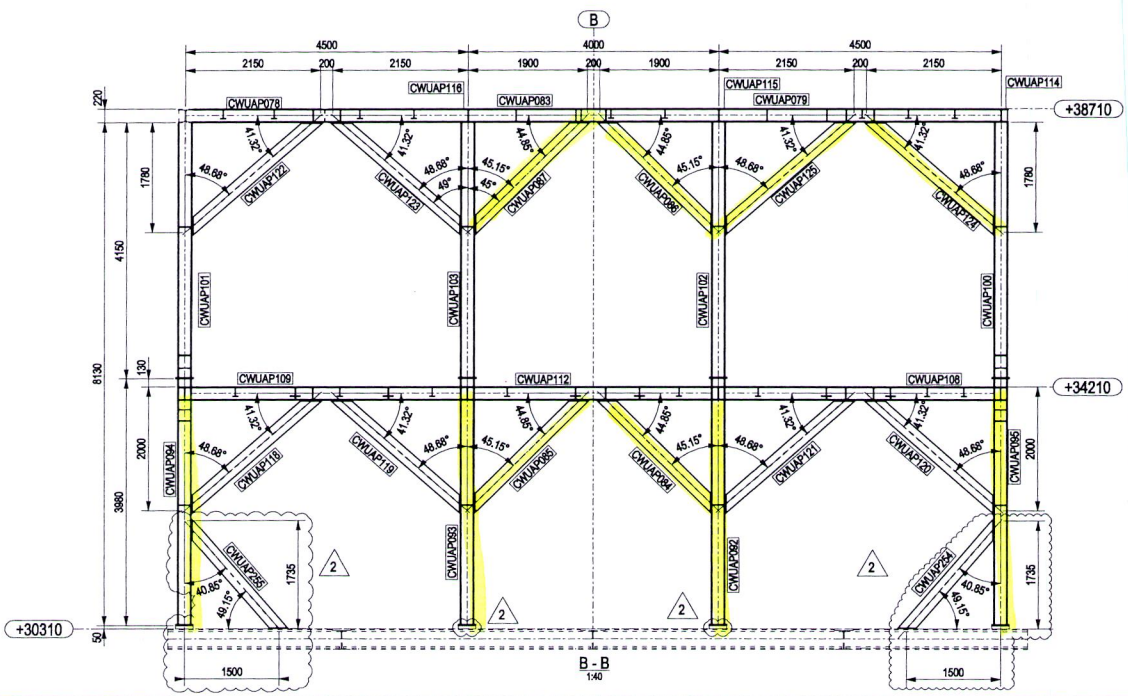
Onk, Necmettin
QC-laboratory

Document number: **76644855**

Analysis number: **4385745**



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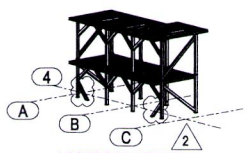


B - B
1:40

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR DRAWING LIST SEE DWG 123A90-FDL-ST-DD-90724
4 – FOR PLAN VIEW SEE DWG 123A90-FDL-ST-DD-90725
5 – FOR TYPICAL DETAILS SEE DWG 123A90-FDL-ST-DD-90727

KEY PLAN



ACCESS PLATFORM

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90125-001 TO 005	STORAGE VESSEL - WALKWAYS - ASSEMBLY AND DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
2	04/12/2024	CW-TS	MR	DC	REVISED WHERE INDICATED
1	10/09/2024	CW-TS	MR	DC	REVISED WHERE INDICATED
0	28/08/2024	CW-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SUPPORT ACCESS PLATFORM PLAN ROW 4
ASSEMBLY ACCESS PLATFORM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:30
DRAWN CW-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 04/12/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90726	SHEET 001	REV. 2

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_08.E	Pages: 5 of 66
Item description: TP-GATE (CWTPG002 / CWTPG001)	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 30/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 74 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 13,2 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	26/10/2024 7:30	23,4	71,6	18,0	22,9
Conditioned	26/10/2024 9:30	24,8	69,5	18,8	24,0

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3614965	3574432	N.A.	
Expiration date:	23/07/2026	23/08/2028	17/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3569151	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/07/2028	N.A.	
Color:	Grey	GREY	RAL 1023	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	26/10/2024	28/10/2024	29/10/2024	N.A.	
Start / Stop time:	10:00 / 11:00	08:00 / 10:00	8:00 / 10:00	N.A.	
Air temperature:	25,2	22,7	22,5	N.A.	
Surface temperature:	24,6	22,1	21,7	N.A.	
Dew point:	19,0	17,7	17,8	N.A.	
Relative humidity:	68,7	73,6	74,8	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	50/124/78	232/381/277	262/508/394	N.A.	
Inspection date & time:	28/10/2024	29/10/2024	30/10/2024	N.A.	

Holiday test:	Performed	☐	Not Performed	☐	Adhesion Testing:
Risultato:	OK	☐	Not OK	☐	

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_08_E	Issued by: Alex Sanna

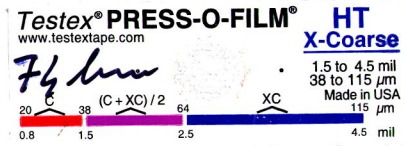
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



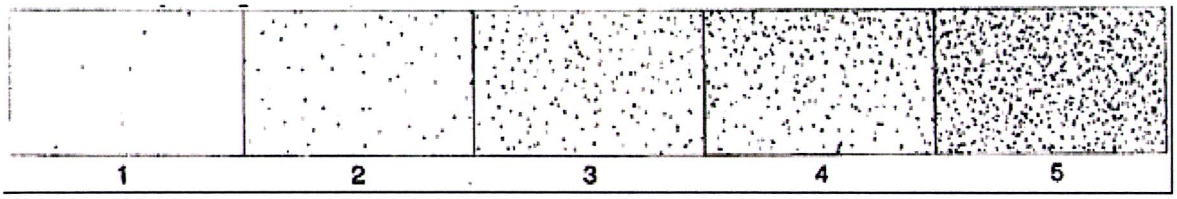
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

ALEX SANNA FROSIO CERT. Nr. 7021

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 23.07.2024
Batch No: 3547111-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 24/08/2024
Batch No: 3614965-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

Jotun Italia Srl

Via O. Petronio 8
34015 MUGGIA, ITALY

JOTUN

Documento di trasporto

3131133653193565378 1-1-W15433204-W15433204

DESTINATARIO MERCE:

IMPRESA DONELLI SRL
C/O ROSETTI MARINO, Att. Sig. Sanna
VIA DEL MARCHESATO,37
48122 RAVENNA
RA
ITALY

DATA di CONSEGNA
31 LUG. 2024
Espresso

INTESTATARIO FATTURA:

IMPRESA DONELLI SRL
VIA F.LLI CERVI, 7
20025 LEGNANO
MI
ITALY

NUM. DT
13365319
DATA D.D.T.
30.07.2024
NUM. BOLLA ACC.:
ITTF-202404041

Codice Cliente:	NUM. ORD. CLIENTE	DATA ORDINE	NUM. IMO	Azienda	Num. Ordine	Pagina
320483	1095/RA -CDA	30.07.2024		31	W15433204	1 / 2
SPEDITO DA MAGAZZINO	TRASPORTATORE	DATA SPEDIZIONE	INCOTERM		Numero Pallet	Num. Imb.
ITTF	ARCO SPEDIZIONI S.P.A.	30.07.2024	DAP		5	5

SPECIAL NOTE
consegna espressa 31/07

N.	Codice Prodotto	Descrizione	Numero Lotto Prod.	Rif. Imballaggio	Pz.	Q.tà in Litri	Q.tà in Kg
1	0UVPGAX20	HARDTOP XP RAL 1023 16,57L	W15433204-5-2-1	380999900000559059	8	132.56	171.20
2	0UVCPBBTA	HARDTOP XP, COMP B 1.8L	3569151-1-*-1:2	380999900000559059	8	14.40	16.27
3	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559011	33	495.00	739.20
4	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559035	17	255.00	380.80
5	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	50	250.00	242.50
6	0B5A85RVA	PENGUARD PRO GF RAL 1023 A 15L	3572677-1-*-1:2-1	380999900000559028	25	375.00	547.50
7	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	25	125.00	121.25
8	0B5903RVA	PENGUARD PRO GF RAL 1004 A 15L	3572663-1-*-1:2-1	380999900000559035	13	195.00	284.70
9	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3470056-1-*-1:2-1	380999900000559059	8	40.00	38.80
10	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	5	25.00	24.25

TRANSPORTER COPY

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP BASE 5 A 16.4L
Colour:
Production Date: 18/07/2024
Batch No: 3574432-1-*-1:2
Product Code: 0UVBA5SPA
Best Before Date : 17/07/2028

Test	Result	Min - Max
COLOUR/STRENGTH MCI-BASE/DIN 53234	101.8	92 - 104 *
COLOUR/STRENGTH MCI-BASE/DIN 53234	1	- 1 *
CONE 0-10 P AT 23 DEG.C/ISO 2884	400	250 - 450 cP
DENSITY-PYKNOMETER/ISO 2811-1	1249	1221 - 1261 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 5 h
GRINDOMETER/ISO 1524	20	- 20 um
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	73.14	70 - 74 %
POTLIFE AT 23 DEG.C	1.5	1.5 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/09/2024**

Document number: **77516308**

Analysis number: **4390471**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B 1.8L
Colour:	
Production Date:	04/07/2024
Batch No:	3569151-1-*-1:2
Product Code:	0UVCPBBTA
Best Before Date :	03/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	610	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.56	88 - 92 %

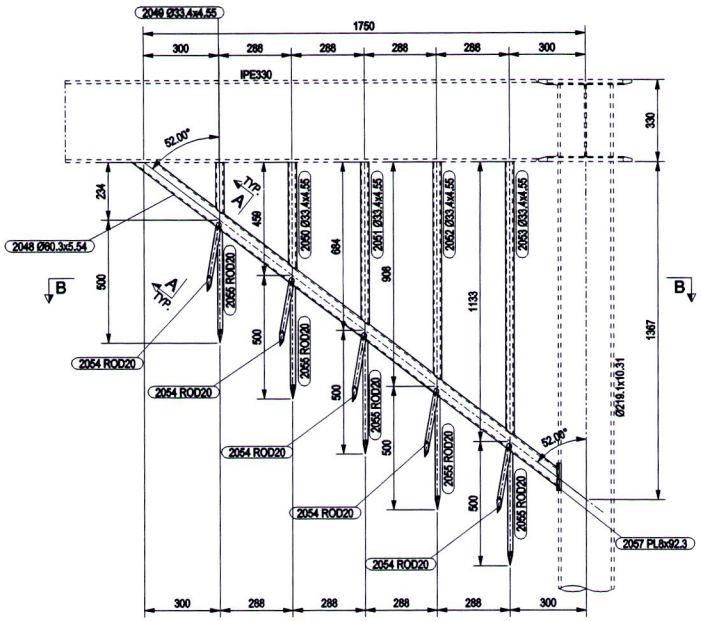
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Place and date: **JP(E)Ltd Flix Fact 01/08/2024**

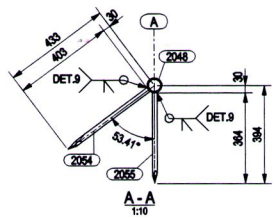
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Analysis number: **4381668**

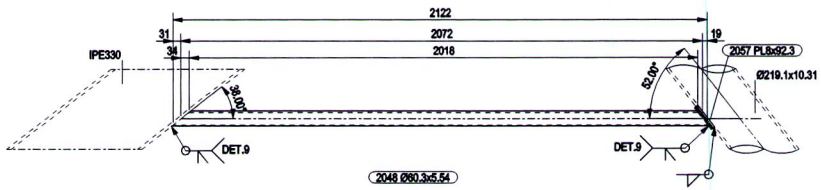
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPG002	2048	1	Ø60.3x5.54	2134	API 5L GR B	5	15.3	0.39	
CWTPG002	2049	1	Ø33.4x4.55	209	API 5L GR B	5	0.6	0.02	
CWTPG002	2050	1	Ø33.4x4.55	434	API 5L GR B	5	1.3	0.04	
CWTPG002	2051	1	Ø33.4x4.55	659	API 5L GR B	5	2.0	0.07	
CWTPG002	2052	1	Ø33.4x4.55	883	API 5L GR B	5	2.8	0.09	
CWTPG002	2053	1	Ø33.4x4.55	1108	API 5L GR B	5	3.5	0.11	
CWTPG002	2054	5	ROD20	427	API 5L GR B	5	4.5	0.13	
CWTPG002	2055	5	ROD20	470	API 5L GR B	5	5.1	0.14	
CWTPG002	2057	1	PL8x92.3	110	S275JR	5	0.6	0.02	
						TOTALE	35.7	1.02	

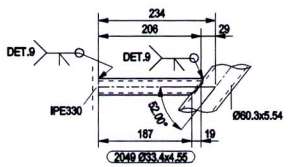


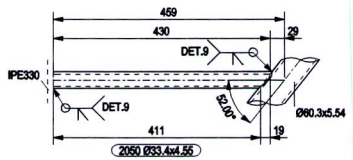
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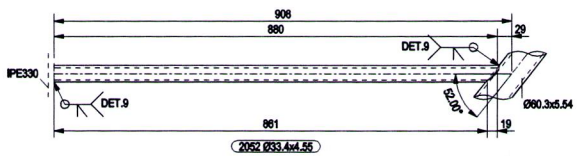


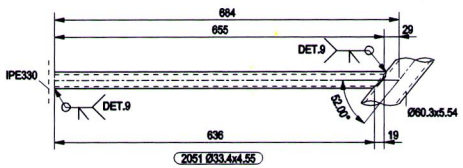
A - A
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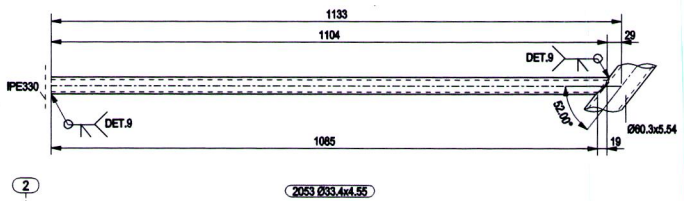


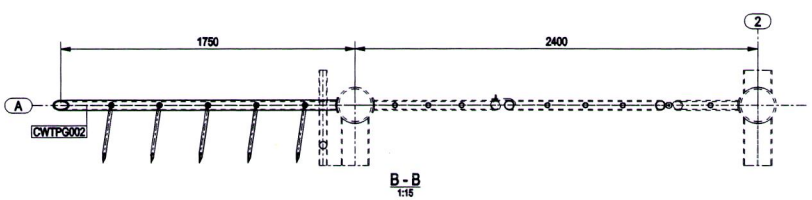




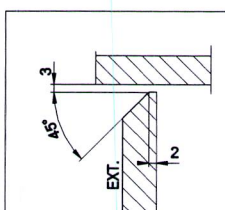








B - B
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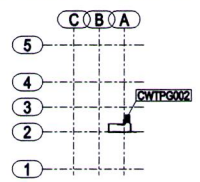


DETAIL 9

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	08/10/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

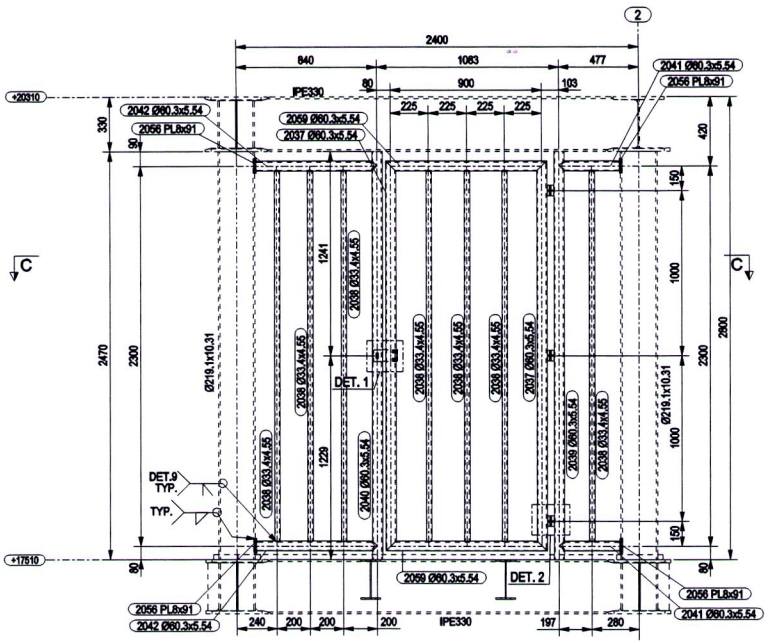
CROSSWIND

ROSETTI MARINO

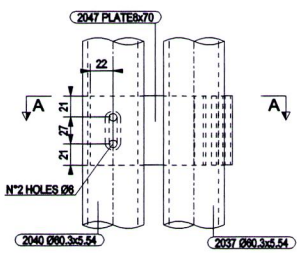
TITLE : BASE LOAD POWER HUB (BLPH)
TP-GATE
MARK CWTPG002

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 08/10/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90769		SHEET 001	REV. 0

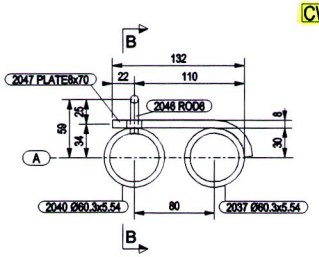
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPG001	2037	2	Ø60.3x5.54	2360	API 5L GR B	5	33.9	0.87	
CWTPG001	2038	7	Ø33.4x4.55	2250	API 5L GR B	5	49.6	1.64	
CWTPG001	2039	1	Ø60.3x5.54	2470	API 5L GR B	5	18.2	0.47	
CWTPG001	2040	1	Ø60.3x5.54	2470	API 5L GR B	5	18.2	0.47	
CWTPG001	2041	2	Ø60.3x5.54	364	API 5L GR B	5	5.0	0.13	
CWTPG001	2042	2	Ø60.3x5.54	727	API 5L GR B	5	10.3	0.27	
CWTPG001	2044	6	ROD40	30	S275JR	5	1.8	0.04	
CWTPG001	2045	3	ROD35	5	BRONZE	5	0.0	0.01	
CWTPG001	2046	1	ROD8	86	S275JR	5	0.0	0.00	
CWTPG001	2047	1	PLATE8x70	155	S275JR	5	0.6	0.02	
CWTPG001	2056	4	PL8x91	92	S275JR	5	2.1	0.08	
CWTPG001	2059	2	Ø60.3x5.54	980	API 5L GR B	5	13.2	0.34	
						TOTALE	152.7	4.34	



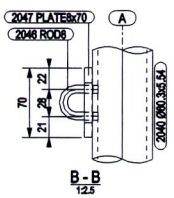
CWTPG001



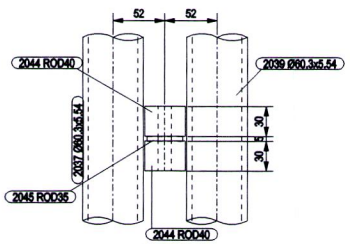
DETAIL 1
SCALE 1:2.5



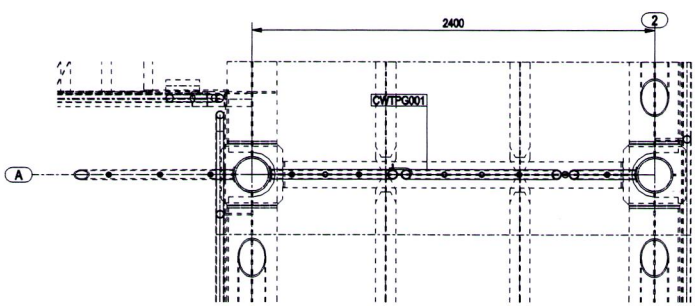
A - A
1:2.5



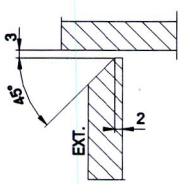
B - B
1:2.5



DETAIL 2
SCALE 1:2.5



C - C
1:15

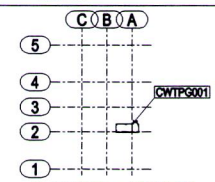


DETAIL 9

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	08/10/2024	CW-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TP-GATE
MARK CWTPG001

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:15

DRAWN CW-TS | CHECKED M.ROSSI | APPROVED D.CASADIO | DATE 08/10/2024

A1 | DRAWING NO. 123A90-FDL-ST-DD-90768 | SHEET 001 | REV. 0

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_08.F	Pages: 6 of 66
Item description: WORKING PLATFORM AND ANCHOR POINTS	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 31/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION					
Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 74 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 13,2 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	28/10/2024 7:30	22,1	73,8	17,2	21,6
Conditioned	28/10/2024 12:00	22,6	77,2	18,4	23,0

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3614965	3574432	N.A.	
Expiration date:	23/07/2026	23/08/2028	17/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 1023	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	28/10/2024	29/10/2024	30/10/2024	N.A.	
Start / Stop time:	13:00 / 16:00	09:30 / 11:30	9:00 / 10:30	N.A.	
Air temperature:	23,3	20,7	23,9	N.A.	
Surface temperature:	22,7	20,4	23,2	N.A.	
Dew point:	18,9	16,7	18,2	N.A.	
Relative humidity:	76,1	77,9	70,4	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	51/112/73	228/454/276	256/538/328	N.A.	
Inspection date & time:	29/10/2024	30/10/2024	31/10/2024	N.A.	

Holiday test:	Performed	☐ Not Performed	☐	Adhesion Testing:
Risultato:	OK	☐ Not OK	☐	

EQUIPMENT		
TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	ALESSANDRO	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA AIAA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_08_F	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



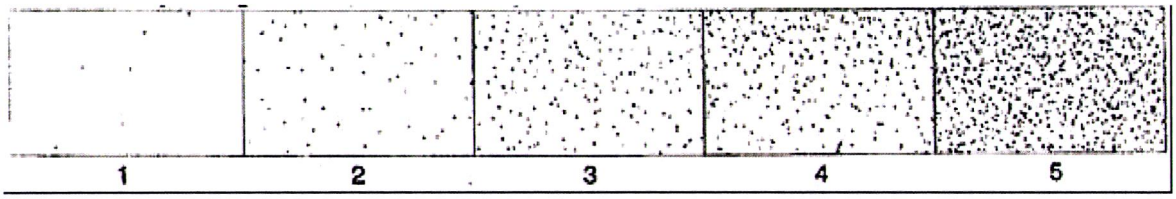
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPP 2735		

Jotun Protects Property

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date	
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028	•
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028	
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028	•
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028	•
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028	
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026	•
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026	•
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028	

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S GREY A	7.5L
Colour:		
Production Date:	23.07.2024	
Batch No:	3547111-1-*-1:2	
Product Code:	6BRGREHQA	
Best Before Date :	23.07.2026	

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 24/08/2024
Batch No: 3614965-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	04/09/2024
Batch No:	3598096-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 04/10/2024
Batch No: 3657618-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 03/10/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

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Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100**

Analysis number: **4527355**

Jotun Italia Srl

Via O. Petronio 8
34015 MUGGIA, ITALY

JOTUN

Documento di trasporto

3131133653193565378 1-1-W15433204-W15433204

DESTINATARIO MERCE:

IMPRESA DONELLI SRL
C/O ROSETTI MARINO, Att. Sig. Sanna
VIA DEL MARCHESATO,37
48122 RAVENNA
RA
ITALY

DATA di CONSEGNA
31 LUG. 2024
ESIBSSO

INTESTATARIO FATTURA:

IMPRESA DONELLI SRL
VIA F.LLI CERVI, 7
20025 LEGNANO
MI
ITALY

NUM. DT
13365319
DATA D.D.T.
30.07.2024
NUM. BOLLA ACC.:
ITTF-202404041

Codice Cliente:	NUM. ORD. CLIENTE	DATA ORDINE	NUM. IMO	Azienda	Num. Ordine	Pagina
320483	1095/RA -CDA	30.07.2024		31	W15433204	1 / 2
SPEDITO DA MAGAZZINO	TRASPORTATORE	DATA SPEDIZIONE	INCOTERM		Numero Pallet	Num. Imb.
ITTF	ARCO SPEDIZIONI S.P.A.	30.07.2024	DAP		5	5

SPECIAL NOTE
consegna espressa 31/07

N.	Codice Prodotto	Descrizione	Numero Lotto Prod.	Rif. Imballaggio	Pz.	Q.tà in Litri	Q.tà in Kg
1	0UVPGAX20	HARDTOP XP RAL 1023 16,57L	W15433204-5-2-1	380999900000559059	8	132.56	171.20
2	0UVCPBBTA	HARDTOP XP, COMP B 1.8L	3569151-1-*-1:2	380999900000559059	8	14.40	16.27
3	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559011	33	495.00	739.20
4	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559035	17	255.00	380.80
5	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	50	250.00	242.50
6	0B5A85RVA	PENGUARD PRO GF RAL 1023 A 15L	3572677-1-*-1:2-1	380999900000559028	25	375.00	547.50
7	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	25	125.00	121.25
8	0B5903RVA	PENGUARD PRO GF RAL 1004 A 15L	3572663-1-*-1:2-1	380999900000559035	13	195.00	284.70
9	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3470056-1-*-1:2-1	380999900000559059	8	40.00	38.80
10	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	5	25.00	24.25

TRANSPORTER COPY

CERTIFICATE OF ANALYSIS

CoA

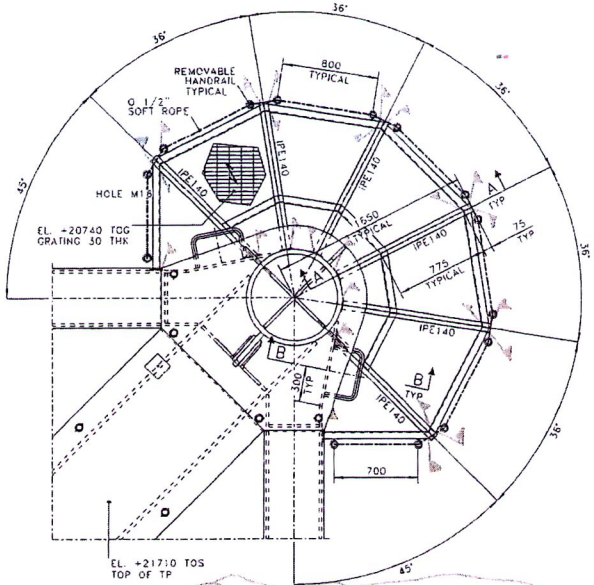
Product: HARDTOP XP BASE 5 A 16.4L
Colour:
Production Date: 18/07/2024
Batch No: 3574432-1-*-1:2
Product Code: 0UVBA5SPA
Best Before Date : 17/07/2028

Test	Result	Min - Max
COLOUR/STRENGTH MCI-BASE/DIN 53234	101.8	92 - 104 *
COLOUR/STRENGTH MCI-BASE/DIN 53234	1	- 1 *
CONE 0-10 P AT 23 DEG.C/ISO 2884	400	250 - 450 cP
DENSITY-PYKNOMETER/ISO 2811-1	1249	1221 - 1261 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 5 h
GRINDOMETER/ISO 1524	20	- 20 um
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	73.14	70 - 74 %
POTLIFE AT 23 DEG.C	1.5	1.5 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/09/2024**

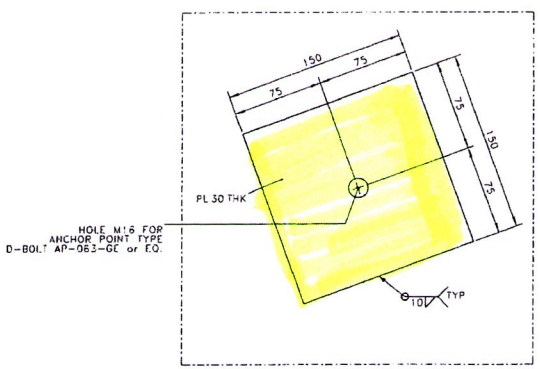
Document number: **77516308** Analysis number: **4390471**



1 SH.01 DETAIL
SCALE 1:20
ALL BEAMS ARE UNP140 U.N.O.

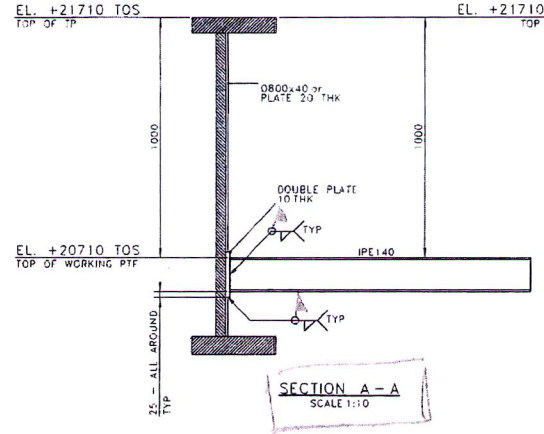
X 4 Note

A-1
A-2
C-1
C-2

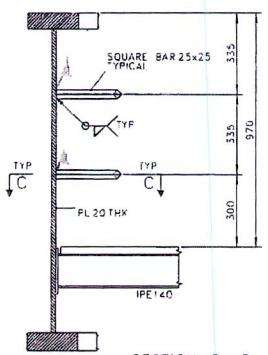


2 SH.01 DETAIL
SCALE 1:2

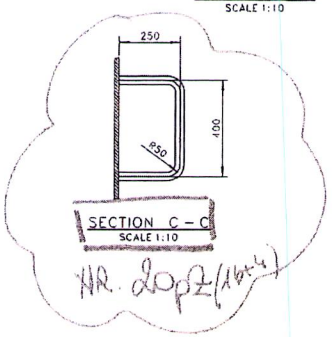
NR. 18 (Note)



SECTION A – A
SCALE 1:10

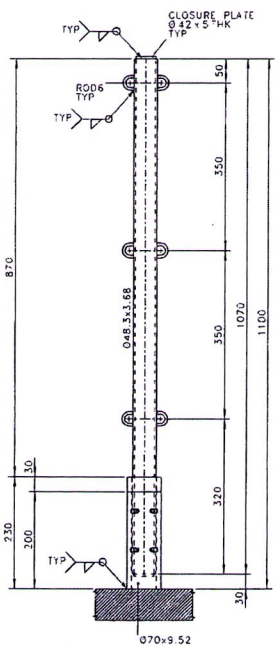


SECTION B – B
SCALE 1:10



SECTION C – C
SCALE 1:10

NR. 20 pz (16+4)



3 SH.01 DETAIL
SCALE 1:5

VEDI DISEGNO
→ 123A90-SK-023 REV 0 -01
→ 123A90-SK-023_02.dwg 0

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL WELDS ARE FULL PENETRATION WELDS U.N.O.
4 – ALL FILLET WELDS SHALL BE CONTINUOUS AND THE LEG SIZE SHALL BE EQUAL 0.7 THE MINIMUM THICKNESS TO BE JOINTED U.N.O.
5 – ALL MATERIALS ARE DC5-IV-275-10 U.N.O.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
PL 30 THK	DC5-IV-235-10_GRATING
IPE140	DC5-IV-275-10
PL 10 THK	DC5-IV-275-10
PL 30 THK	DC5-IV-275-10
UNP140	DC5-IV-275-10

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90032	PLATES - DOUBLE SIDED WELDS
123A90-DDL-ST-DD-90033	PLATES - SINGLE SIDED WELDS
123A90-DDL-ST-DD-90037	STANDARD DRAWINGS - HANDRAILS
123A90-DDL-TI-DD-99043	TP - WORKING PTF AND ANCHOR POINTS - SHEET 1

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	24/09/24	SGP	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

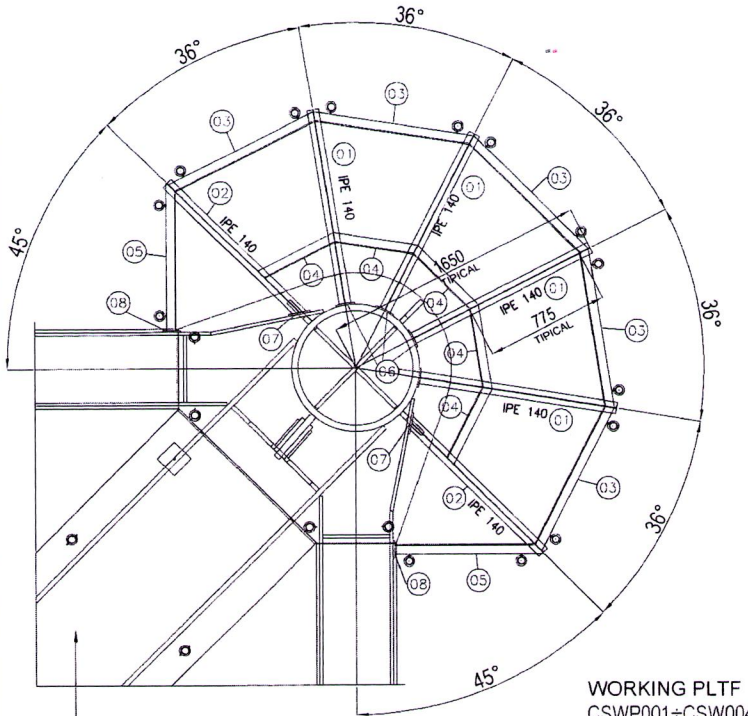
TITLE :
BASE LOAD POWER HUB (BLPH)
TP - INSTALLATION AIDS
WORKING PLATFORM AND ANCHOR POINTS

CONTRACT NO./TITLE CW-I-WP1-2023-03/HOLLANDSE KUST NOORD AMND PARK			SCALE 1:20
DRAWN S.GRIFFINI	CHECKED A.BALZAROTTI	APPROVED D.LO STERZO	DATE 24/09/24
A1	DRAWING NO. 123A90-DDL-TI-DD-99043	SHEET / SHEETS 002/002	REV. 00

SHEET N° 123A90-DDL-TI-DD-99043 | REV° 00

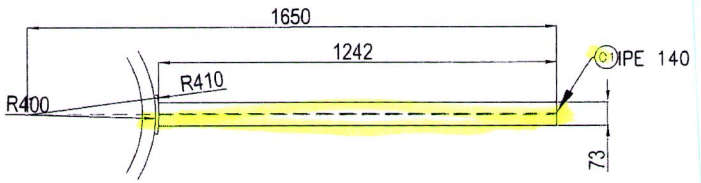
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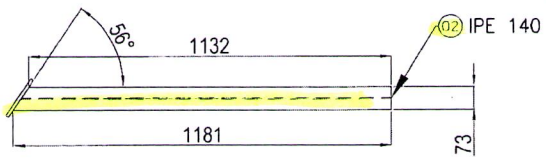
MARK	POS.	Q.TY	DESCRIPTION	LENGTH mm	MATERIAL	STRUCT. CAT.	UNIT WEIGHT kg	TOTAL WEIGHT kg	PAINT. AREA mq	NOTES
CSWP001÷CSWP004	01	16	IPE 140	1242	EN10025 S355J2	--	16.02 KG	256.02 KG	MQ	--
	02	8	IPE 140	1181	EN10025 S355J2	--	15.24 KG	121.92 KG	MQ	--
	03	20	CNP140	968	EN10025 S355J2	--	15.49 KG	309.8 KG	MQ	--
	04	20	CNP140	489	EN10025 S355J2	--	7.82 KG	156.5 KG	MQ	--
	05	8	CNP140	930	EN10025 S355J2	--	14.88 KG	119.04KG	MQ	--
	06	16	PLATE 125x10 THK	190	EN10025 S355J2	--	1.86 KG	29.76KG	MQ	--
	07	8	PLATE 140x10 THK	190	EN10025 S355J2		2.08 KG	16.64KG	MQ	
	08	8	PLATE 110x10 THK	190	EN10025 S355J2	--	1.64 KG	13.13 KG	MQ	--
							TOTAL	1022.81KG	MQ	

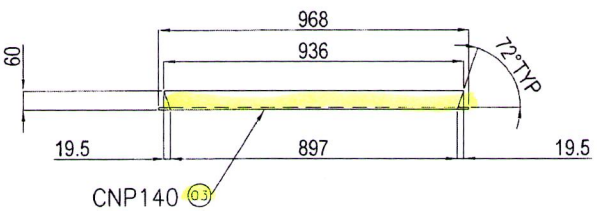


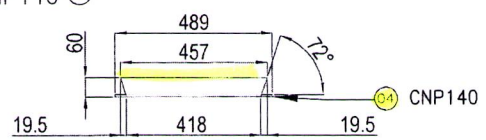
WORKING PLTF
CSWP001÷CSW004

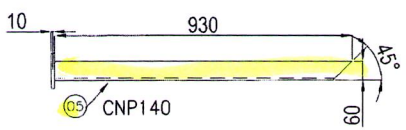
1 / SH.01 DETAIL
SCALE 1:20 ALL BEAMS ARE UNP140 U.N.O.

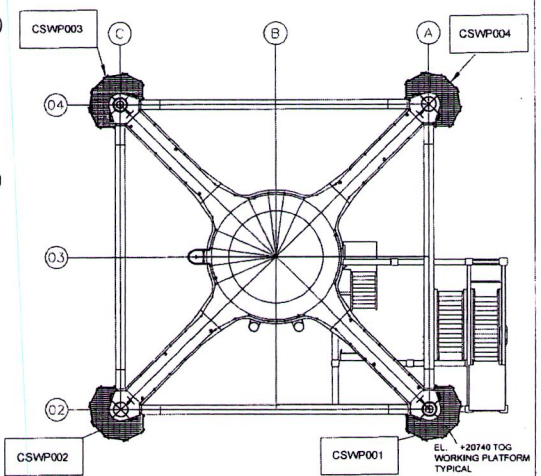




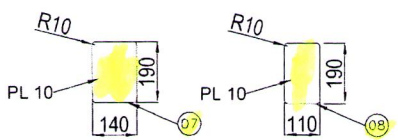


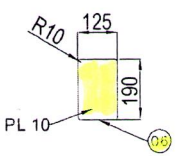


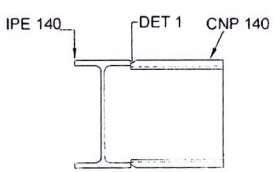




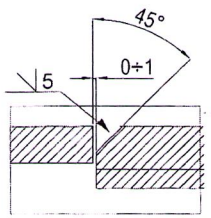




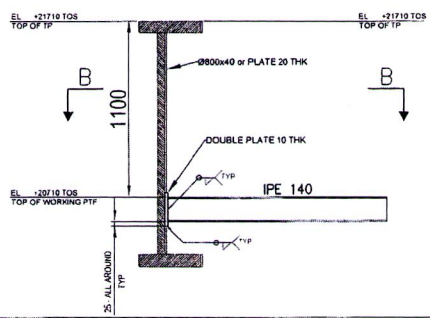




TYP CONNECTION



DET 1



ROSETTI MARINO

CLIENTE / CUSTOMER: CROSSWIND	COMMESSA / JOB No: 123A90	DISEGNO N° / DWG No: 123A90-SK-025_REV0_ PLATFORM	
DESCRIPTION / DESCRIZIONE: WORKING PLATFORM DETAIL	FILE N° / FILE No:	REV. N° / REV. No: 0	DATA / DATE: 10/10/2024

A3

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_08_	Pages: 7 of	66
Item description: ACCESS PLATFORM PLAN & TP-GATE & WORKING PLATFORM	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna	Issue date:	31/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED		
NAME / DESCRIPTION:	QUANTITY	DWG / LIST
ACCESS PLATFORM PLAN ROW 2	1	123A90-FDL-ST-DD-90723
ACCESS PLATFORM PLAN ROW 2	1	123A90-FDL-ST-DD-90722 / 123A90-FDL-ST-DD-90723
SUPPORT ACCESS PLATFORM PLAN ROW 4	1	123A90-FDL-ST-DD-90726
SUPPORT ACCESS PLATFORM PLAN ROW 4	1	123A90-FDL-ST-DD-90726
TP-GATE (CWTPG002 / CWTPG001)	1	123A90-FDL-ST-DD-90768 / 123A90-FDL-ST-DD-90769
WORKING PLATFORM AND ANCHOR POINTS	1	123A90-DDL-TI-DD-99043 / 123A90-SK-025-REV0_PLATFORM

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore [illegible]	Ispettore Terza Parte
Nome	[illegible] SANNA	A. RENESTO	[illegible]	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2435		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number:	B_09.A	Pages:	1 of 94
Item description:	SUPPORT DROWING PS-01058 / PS-01517 / PS-01525 / PS-01537 / PS-01540 / PS-02506 / PS-03019 / PS-03514	Applicable Procedure:	123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna		Issue date:	17/10/2024
Applicable ITP:	123A90-PML-QHSE-ITP-00074	Reference DWG:	See Annex for drawings and treated areas

SURFACE PREPARATION					
Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 76 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 11 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	14/10/2024 7:30	20,1	68,5	14,1	18,8
Conditioned	14/10/2024 10:00	21,3	66,7	14,9	20,4

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3583470	3607509	3563986	N.A.	
Expiration date:	18/07/2026	21/08/2026	04/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3550791	N.A.	
Expiration date:	24/07/2026	03/09/2028	16/06/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	14/10/2024	15/10/2024	16/10/2024	N.A.	
Start / Stop time:	10:30 / 13:30	8:30 / 10:00	8:00 / 10:00	N.A.	
Air temperature:	21,7	21,7	21,9	N.A.	
Surface temperature:	21,0	21,1	21,2	N.A.	
Dew point:	21,0	16,3	16,5	N.A.	
Relative humidity:	66,0	71,4	71,6	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	57/128/79	223/381/283	290/465/372	N.A.	
Inspection date & time:	15/10/2024	16/10/2024	17/10/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐ Risultato: OK ☐ Not OK ☐	Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto		
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMM 2435		

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90
Annex n.1/ Doc. B_09_A	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



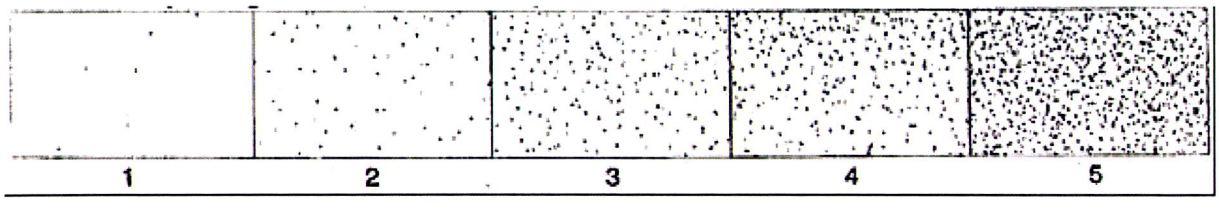
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. Appr 2735		

Jotun Protects Property

Trieste, 07/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP, COMP B 1.8L	3626772-1-*-1:2	30/08/2024	29/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3583470-1-*-1:2	18/07/2024	18/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 10 20L	01D9697354005	25/09/2024	24/09/2028
JOTUN THINNER NO. 17 (IT) 20L	01D9697354010	25/09/2024	24/09/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 8/22/2024
Batch No: 3607509-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 8/21/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	714	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1537	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 8/23/2024**

Inan, Semih
QC-laboratory

Document number: **77148452**

Analysis number: **4464678**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 25/07/2024
Batch No: 3583470-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 25/07/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2620	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641664** Analysis number: **4407967**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	24.07.2024
Batch No:	3589589-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

Jotun Protects Property

Trieste, 10/09/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3563986-1-*-1:2	05/07/2024	04/07/2028
HARDTOP XP RAL 7035 A 18.2L	3581804-1-*-1:2	18/07/2024	17/07/2028
HARDTOP XP, COMP B 1.8L	3586736-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3586728-1-*-1:2	24/07/2024	23/07/2028
HARDTOP XP, COMP B 1.8L	3550791-1-*-1:2	17/06/2024	16/06/2028
PENGUARD UNI, COMP B 5L	3546405-1-*-1:2-2	12/07/2024	11/07/2028
PENGUARD UNI GREY A 15L	3365663-1-*-1:3-1	03/01/2024	02/01/2028
PENGUARD UNI GREY A 15L	3413788-1-*-1:2-2	17/02/2024	16/02/2028
BARRIER 80 S, EU COMP B 1.25L	3579042-1-*-1:2-2	13/07/2024	13/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
BARRIER 80 S GREY A 7.5L	3565748-1-*-1:2-3	06/07/2024	06/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9695118015	31/07/2024	30/07/2028
JOTUN THINNER NO. 10 20L	01D9694047035	13/07/2024	12/07/2028
PENGUARD TIECOAT 100 RED A 13L	3549211-1-*-1:2	13/06/2024	13/06/2026
PENGUARD TIECOAT 100, CPB 6.5L	3540740-1-*-1:2	18/06/2024	17/06/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 05/07/2024
Batch No: 3563986-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 04/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	317	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1362	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3.5	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 10/09/2024**

Document number: **77346074**

Analysis number: **4384389**

CERTIFICATE OF ANALYSIS

CoA

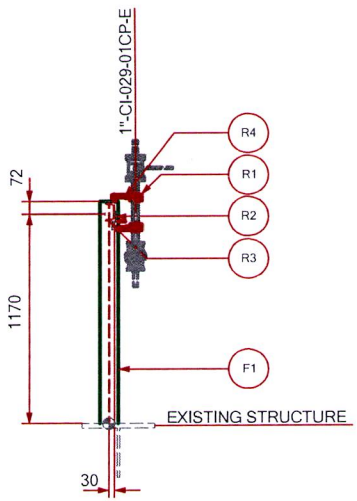
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Colour:
Production Date: 16/06/2024
Batch No: 3550791-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 15/06/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	651	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1132	1110 - 1150 kg/m3

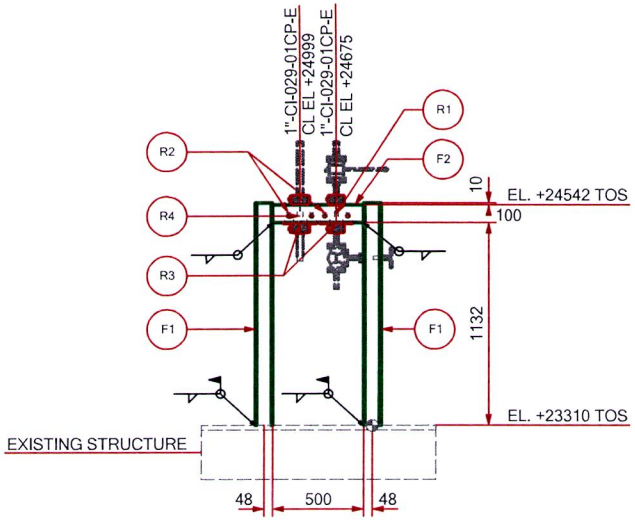
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Place and date: **JP(E)Ltd Flix Fact 10/09/2024**

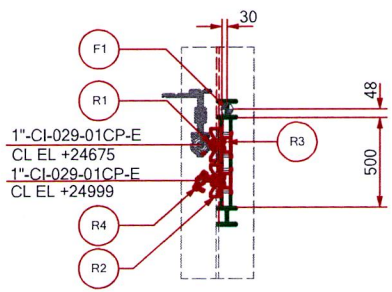
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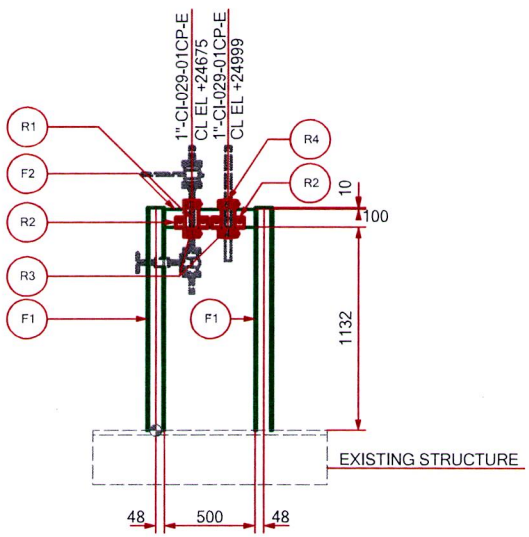
VIEW LOOKING SOUTH



VIEW LOOKING WEST



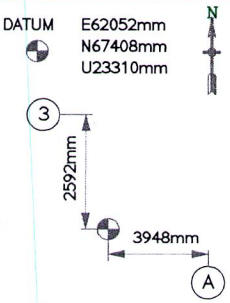
PLAN VIEW

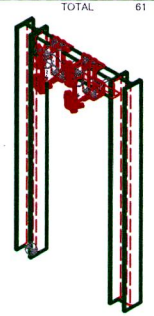


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-64-1/2"-106-200	-	-	1	-	3.62	0.097
R2	STD	C-33-14-2	-	-	2	-	4.56	0.056
R3	STD	C-37-4-E-2	-	-	2	-	2.08	0.062
R4	STD	S-64-1"-100-200	-	-	1	-	3.81	0.102
F1	BEAM	HE100A		1242	2	16.76	41.64	1.402
F2	BEAM	UPN100		500	1	10.57	5.29	0.189
						TOTAL	61	1.908





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	04/11/24	MMA	SLO	DLO	ACCEPTED FR CONSTRUCTION

CROSSWIND

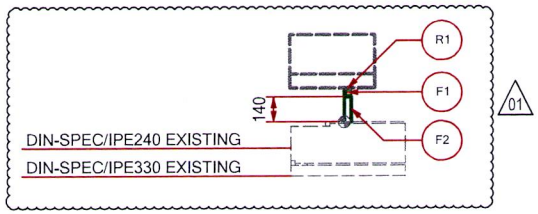
ROSETTI MARINO

TITLE

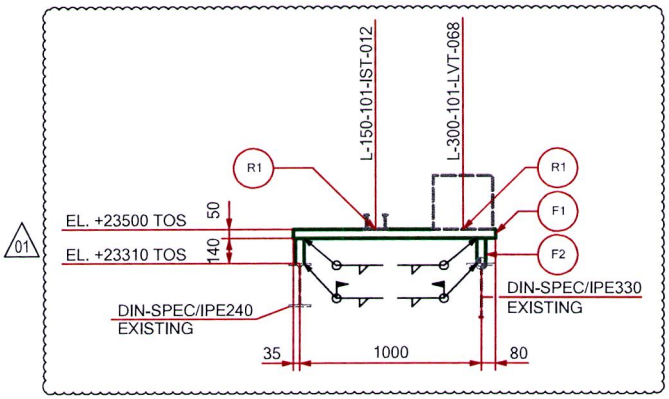
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01058

CONTRACT NO./TITLE	CWI-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

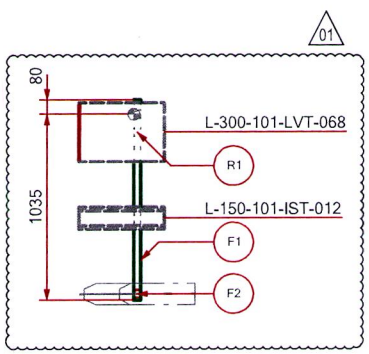
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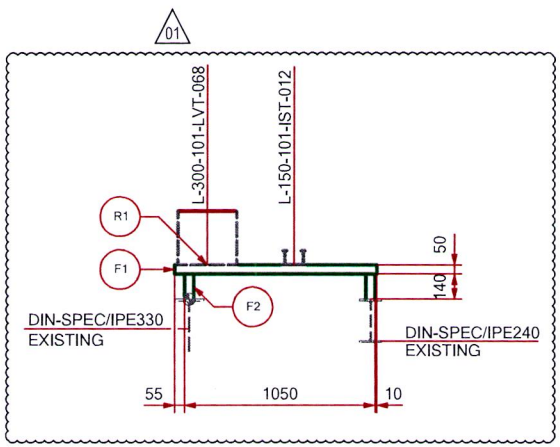
VIEW LOOKING NORTH



VIEW LOOKING WEST



PLAN VIEW

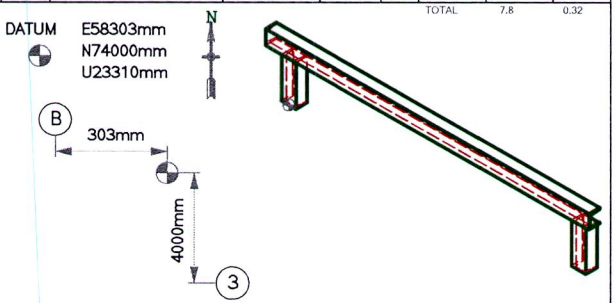


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	2	-	0.00	-
F1	BEAM	UPN50	Carbon Steel	1115	1	5.61	6.25	0.257
F2	BEAM	UPN50	Carbon Steel	140	2	5.61	1.56	0.068
						TOTAL	7.8	0.32

01



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

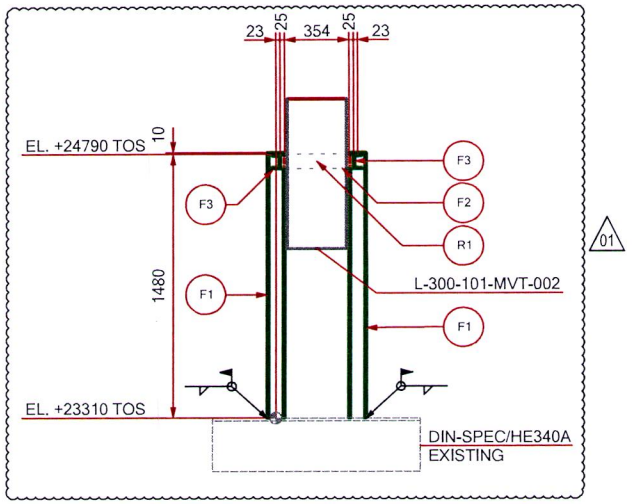
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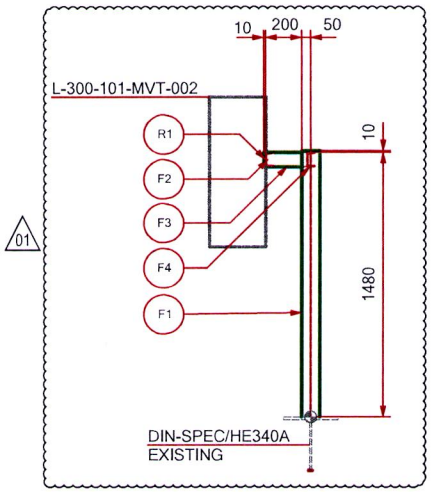
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01517

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

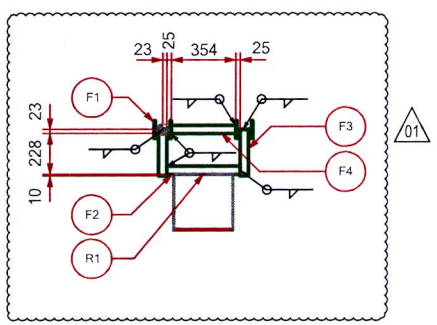
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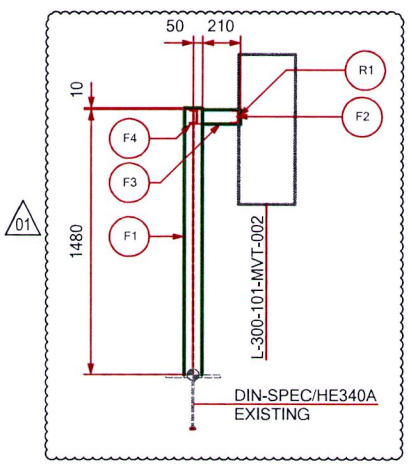
VIEW LOOKING NORTH



VIEW LOOKING WEST



PLAN VIEW

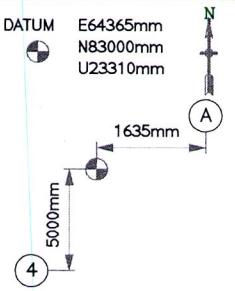


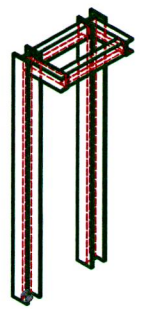
VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	1	-	0.00	-
F1	BEAM	HEA100	Carbon Steel	1490	2	16.76	49.94	1.680
F2	BEAM	UPN80	Carbon Steel	405	1	8.66	3.51	0.129
F3	BEAM	UPN80	Carbon Steel	257	2	8.66	4.46	0.166
F4	BEAM	UPN80	Carbon Steel	354	1	8.66	3.07	0.113
						TOTAL	61.0	2.09

01





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

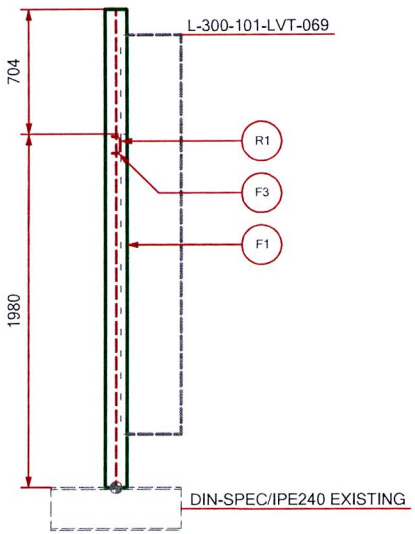
ROSETTI MARINO

TITLE

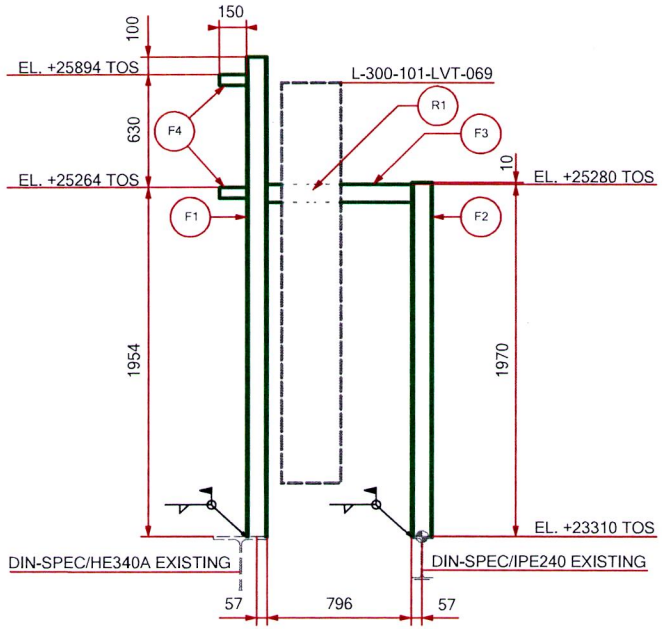
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01525

CONTRACT NO./TITLE	CWI-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

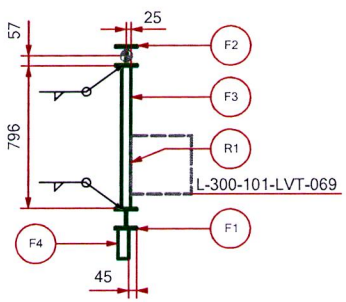
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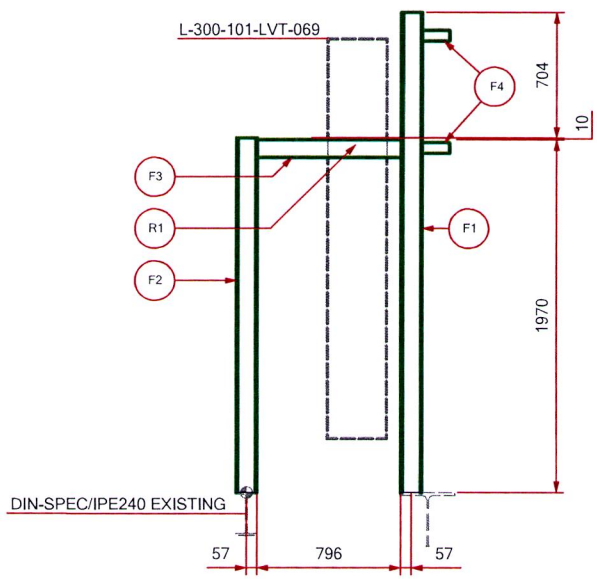
VIEW LOOKING NORTH



VIEW LOOKING WEST



PLAN VIEW

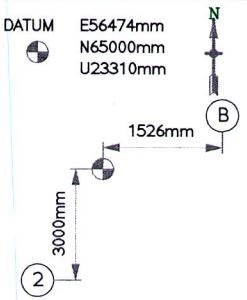


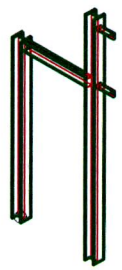
VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	1	-	0.00	-
F1	BEAM	HEA120	Carbon Steel	2684	1	19.98	53.62	1.822
F2	BEAM	HEA120	Carbon Steel	1980	1	19.98	39.56	1.345
F3	BEAM	UPN100	Carbon Steel	796	1	10.57	8.41	0.299
F4	BEAM	L60x6	Carbon Steel	150	2	5.42	1.63	0.070
						TOTAL	103.3	3.54

DATUM
E56474mm
N65000mm
U23310mm





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION

CROSSWIND

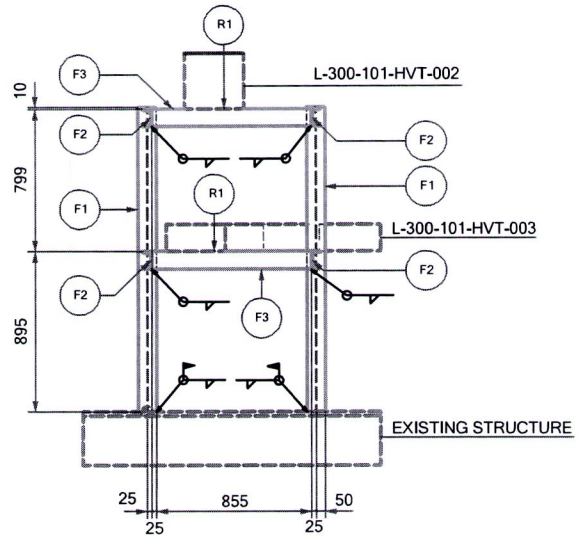
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TITLE

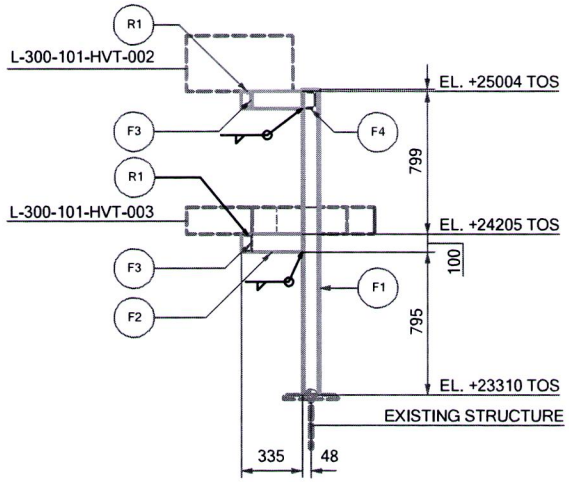
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01537

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE 1 20
DRAWN / CHECKED / APPROVED		DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000		SHEET 1 of 1 / REV. 01

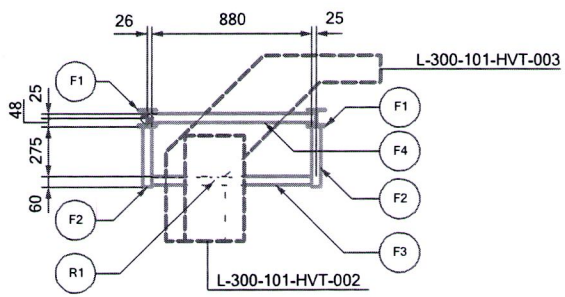
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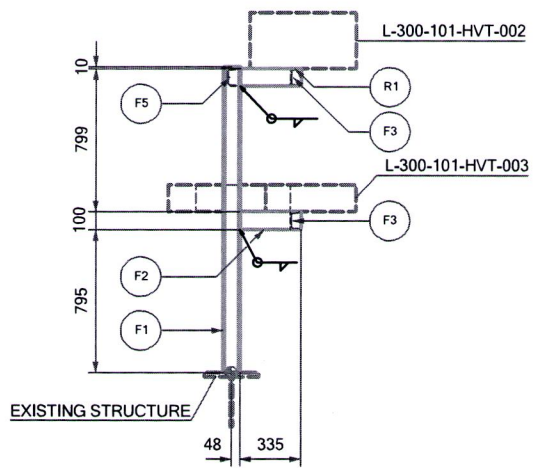
VIEW LOOKING NORTH



VIEW LOOKING WEST



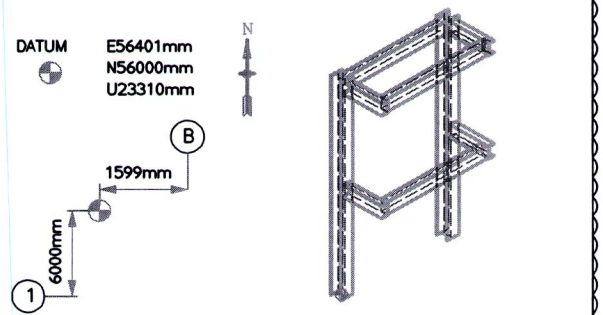
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	2	-	0.00	-
F1	BEAM	HEA100	Carbon Steel	1704	2	16.76	57.12	1.920
F2	BEAM	UPN100	Carbon Steel	335	4	10.57	14.16	0.508
F3	BEAM	UPN100	Carbon Steel	880	2	10.57	18.6	0.660
F4	BEAM	UPN100	Carbon Steel	925	1	10.57	9.78	0.347
						TOTAL	99.7	3.44



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

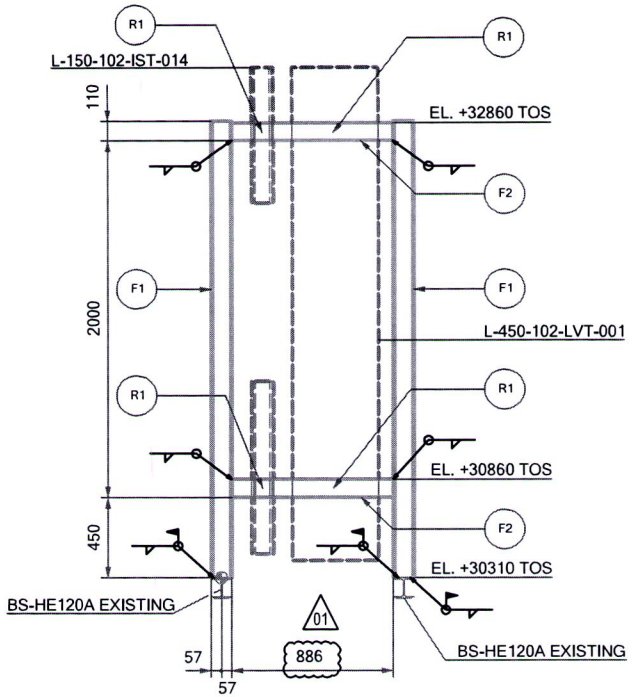
ROSETTI MARINO

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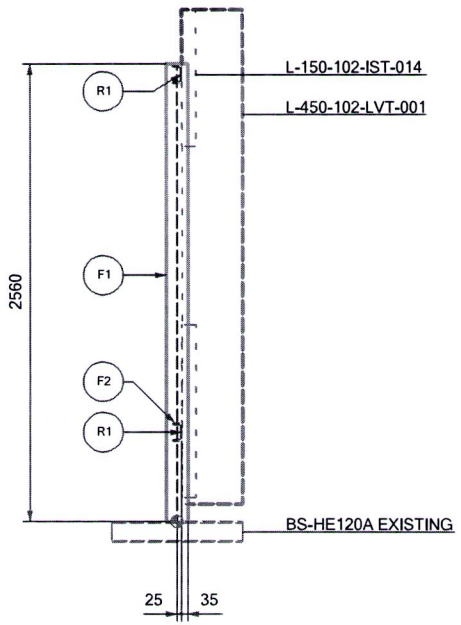
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01540

CONTRACT NO./TITLE	CW4-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

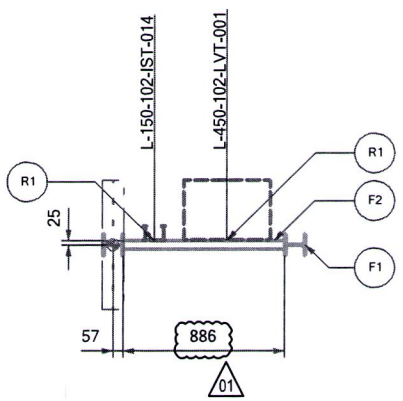
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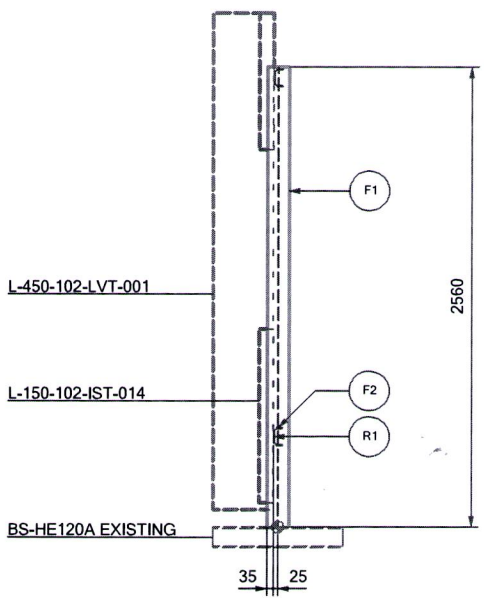
VIEW LOOKING NORTH



VIEW LOOKING WEST



PLAN VIEW



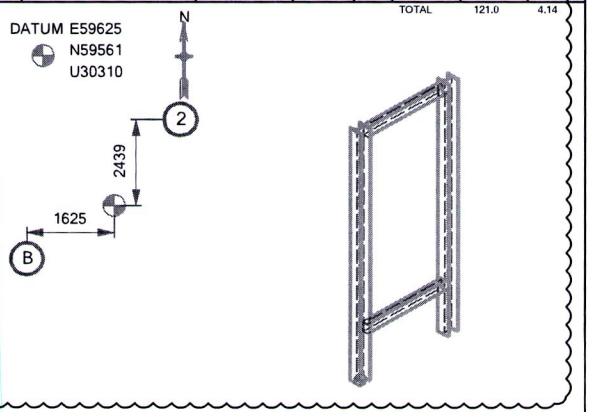
VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	4	-	0,00	-
F1	BEAM	HE120A	Carbon Steel	2560	2	19,46	102,30	0,475
F2	BEAM	UPN100	Carbon Steel	886	2	10,57	18,74	0,664
						TOTAL	121,0	4,14

01

01



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

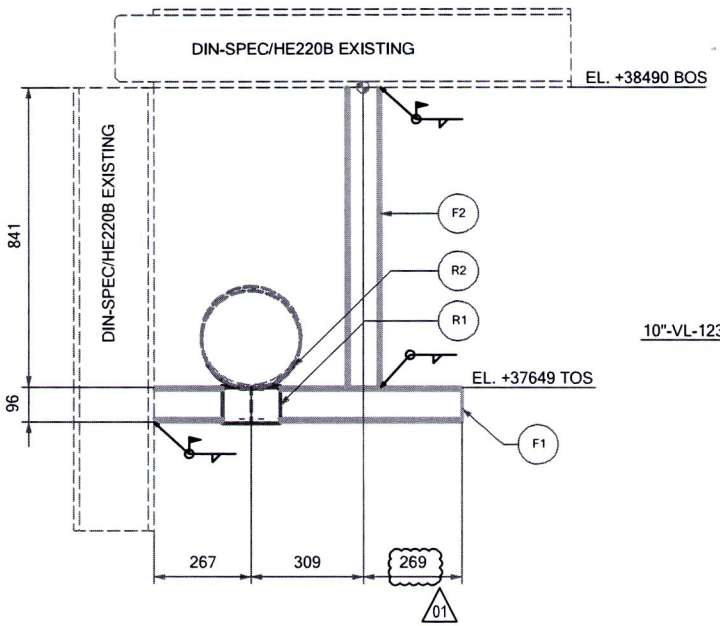
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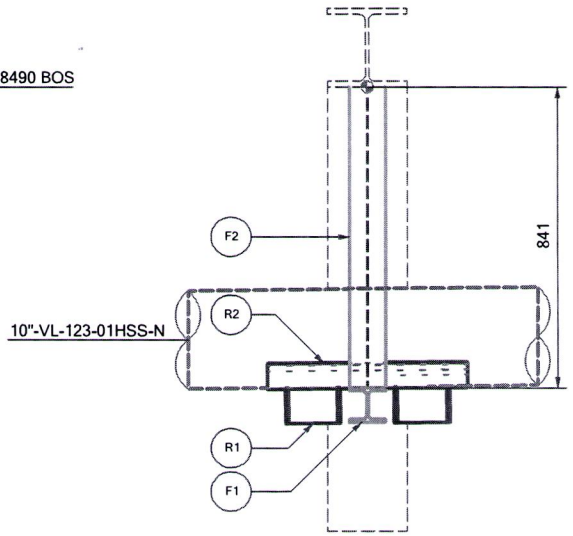
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02506

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

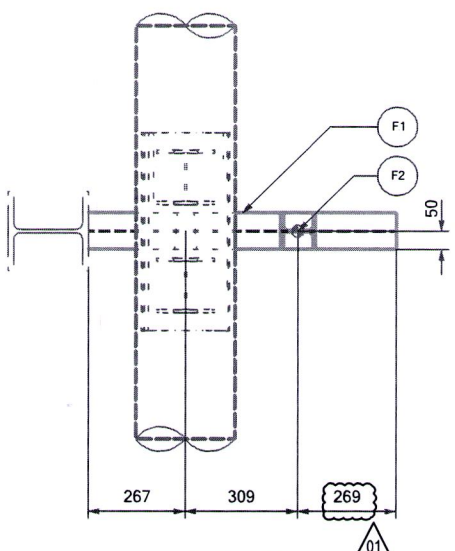
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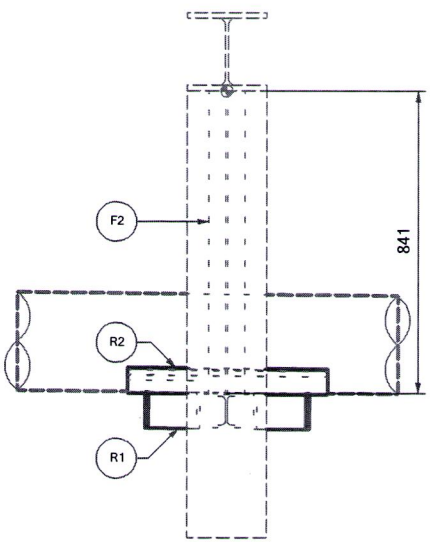
VIEW LOOKING NORTH



VIEW LOOKING WEST



PLAN VIEW



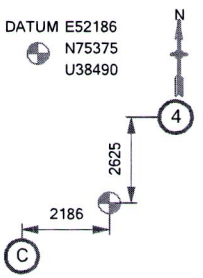
VIEW LOOKING EAST

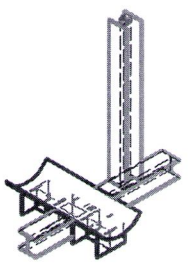
SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-205-C-10°	-	-	1	-	6.08	0.181
R2	STD	C-40-A-10°-550-4.19-120-180	A312 TP316L SMLS	-	1	-	4.82	0.293
F1	BEAM	HEA100	Carbon Steel	845	1	16.76	14.16	0.478
F2	BEAM	HEA100	Carbon Steel	841	1	16.76	14.09	0.476
						TOTAL	39.2	1.43

01

DATUM E52186
N75375
U38490





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FR CONSTRUCTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

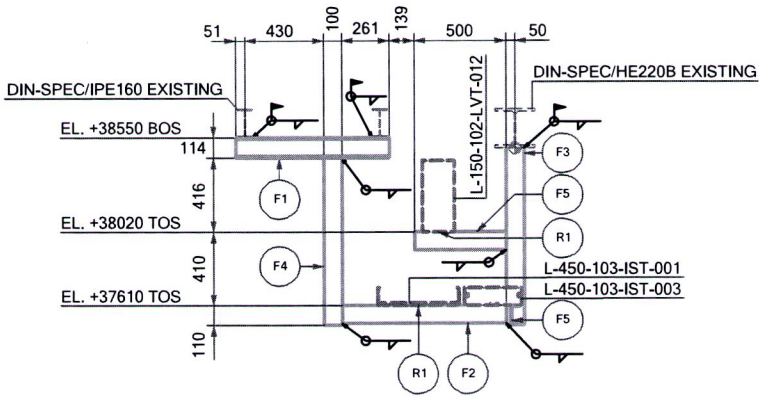
ROSETTI MARINO

TITLE

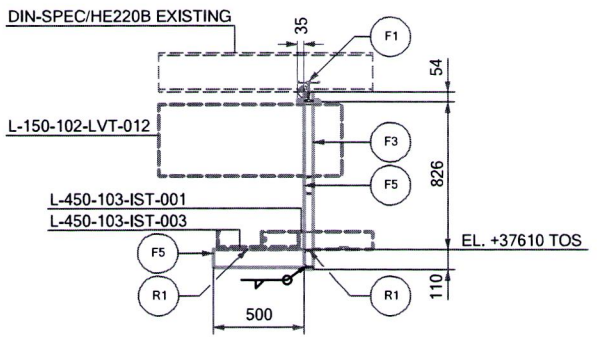
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03019

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

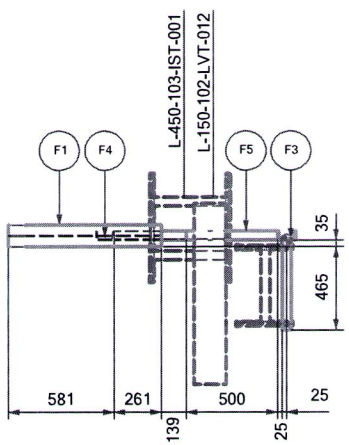
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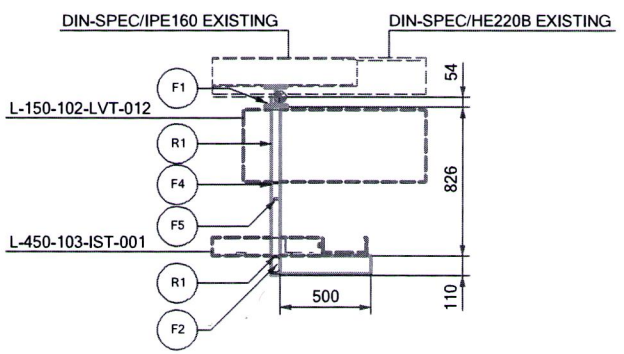
VIEW LOOKING NORTH



VIEW LOOKING WEST



PLAN VIEW



VIEW LOOKING EAST

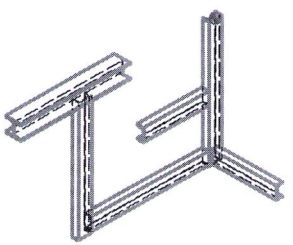
SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	3	-	0,00	-
F1	BEAM	HEA120	Carbon Steel	842	1	19.98	16.82	0.575
F2	BEAM	UPN100	Carbon Steel	900	1	10.57	9.51	0.337
F3	BEAM	UPN100	Carbon Steel	990	1	10.57	10.47	0.371
F4	BEAM	UPN100	Carbon Steel	936	1	10.57	9.89	0.351
F5	BEAM	UPN100	Carbon Steel	500	2	10.57	10.58	0.378
						TOTAL	57.3	2.01

DATUM E64500mm
N77975mm
U38490mm

N

4
25mm
1500mm
A



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE:

BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03514

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE 1 : 20
DRAWN / CHECKED / APPROVED		DATE 04/11/24
DRAWING NO.	123A90-DDL-PP-DD-72000	SHEET 1 of 1 / REV. 01

File Name

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_09.B	Pages: 2 of 94
Item description: SUPPORT DRAWING PS-03039 / PS-03070 / PS-03036 / PS-01600 / PS-02538 / PS-02547 / PS-02005 / PS-02004	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 30/10/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 72 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 14,2 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	26/10/2024 10:00	25,2	68,7	19,0	24,6
Conditioned	26/10/2024 12:00	25,8	67,7	19,4	26,1

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3614965	3590159	N.A.	
Expiration date:	23/07/2026	23/08/2028	25/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	26/10/2024	28/10/2024	30/10/2024	N.A.	
Start / Stop time:	13:00 / 15:00	8:00 / 11:00	8:00 / 10:30	N.A.	
Air temperature:	24,7	22,4	22,1	N.A.	
Surface temperature:	24,0	21,8	21,4	N.A.	
Dew point:	17,3	16,5	16,7	N.A.	
Relative humidity:	63,6	69,3	71,4	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	51/132/85	239/412/293	279/527/351	N.A.	
Inspection date & time:	28/10/2024	29/10/2024	30/10/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO S.p.A. Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_09_B	Issued by: Alex Sanna

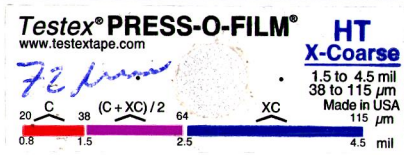
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



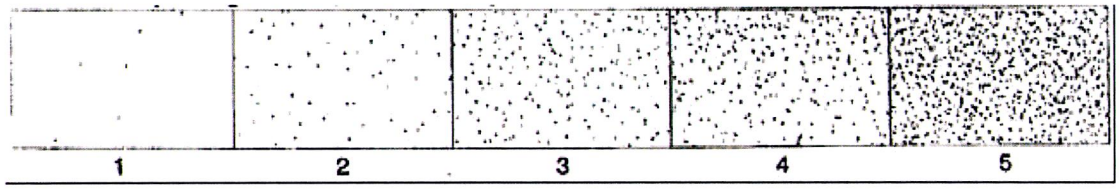
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☐ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma				

Jotun Protects Property

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date	
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028	•
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028	
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028	•
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028	•
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028	•
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026	•
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026	•
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028	

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 24/08/2024
Batch No: 3614965-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B 1.8L
Colour:	
Production Date:	04/10/2024
Batch No:	3657618-1-*-1:2
Product Code:	0UVCPBBTA
Best Before Date :	03/10/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

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Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100**

Analysis number: **4527355**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796**

Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 23.07.2024
Batch No: 3547111-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	24.07.2024
Batch No:	3589589-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

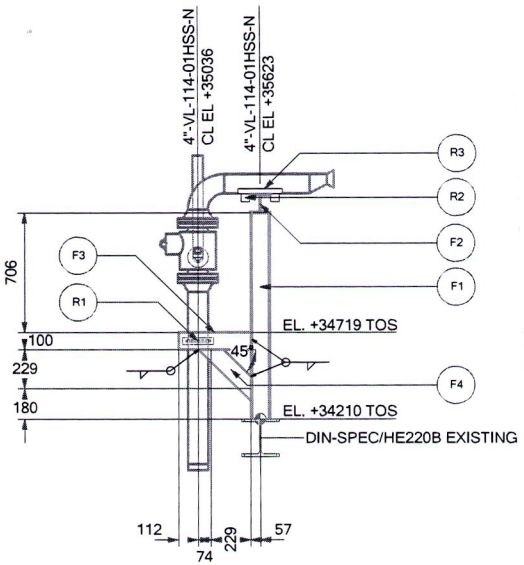
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Place and date: **Cerkezköy Fact 24.07.2024**

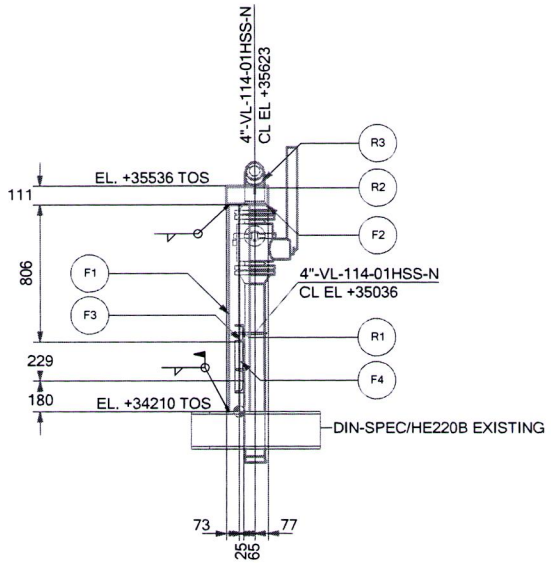
Karademir, Tamer
QC-laboratory

Document number: **76836595**

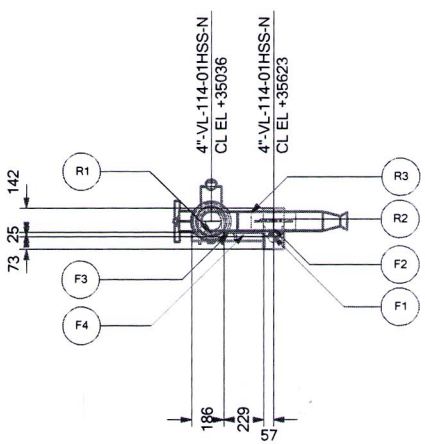
Analysis number: **4415672**



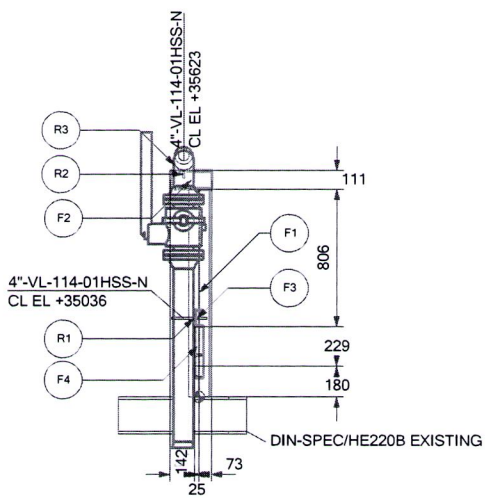
VIEW LOOKING NORTH



VIEW LOOKING WEST



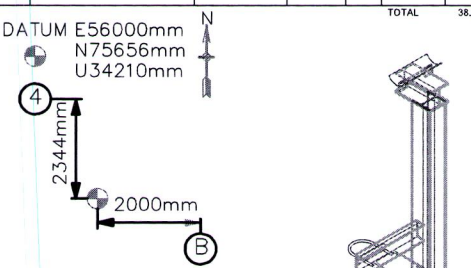
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-211-4"	-	-	1	-	0.96	-
R2	STD	S-205-A-4"	-	-	1	-	0.39	0.010
R3	STD	C-40-A-4"-260-3.00-120-90	A312 TP316L SMLS	-	1	-	0.66	0.056
F1	BEAM	HEA120	Carbon Steel	1215	1	19.96	24.27	0.828
F2	BEAM	HEA120	Carbon Steel	240	1	19.96	4.80	0.168
F3	BEAM	UPN100	Carbon Steel	415	1	10.57	4.39	0.157
F4	BEAM	UPN100	Carbon Steel	424	1	8.08	3.43	0.124
						TOTAL	38.9	1.34



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

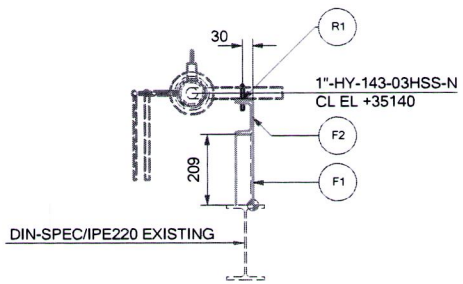
ROSETTI MARINO

TITLE

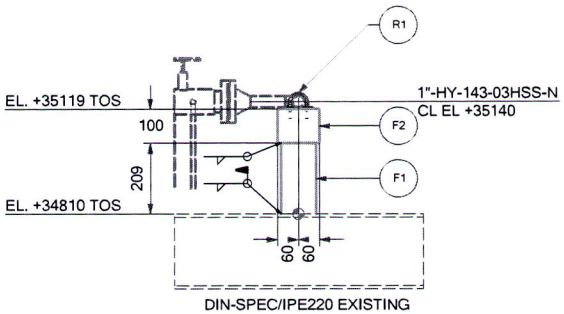
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03039

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

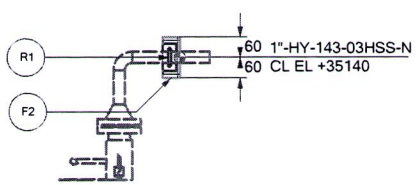
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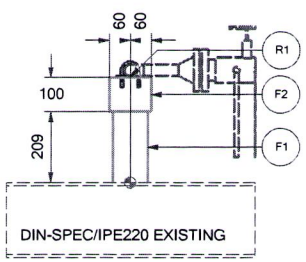
VIEW LOOKING NORTH



VIEW LOOKING WEST



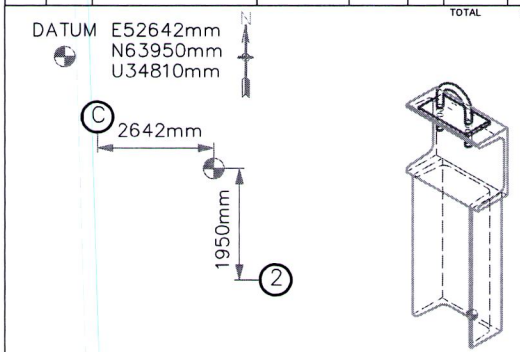
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-211-1"	-	-	1	-	0,29	-
F1	BEAM	UPN100	Carbon Steel	209	1	10,57	2,20	0,080
F2	BEAM	UPN100	Carbon Steel	120	1	10,57	1,27	0,047
						TOTAL	3,8	0,13



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

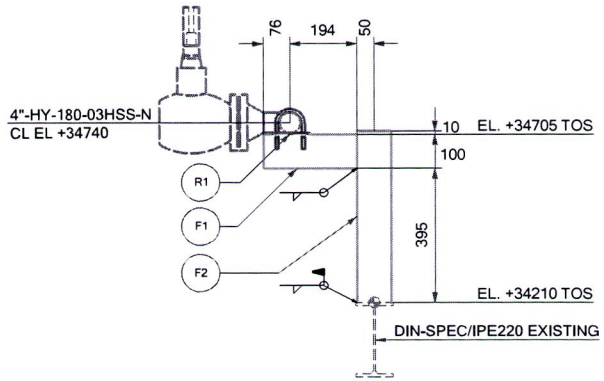
ROSETTI MARINO

TITLE

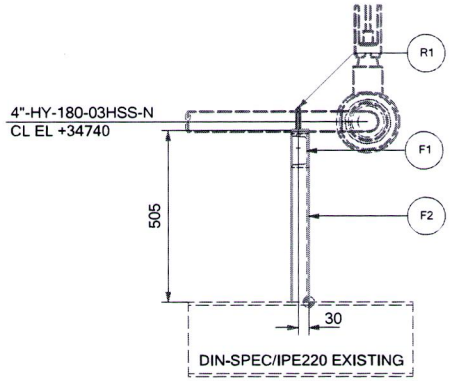
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03070

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE 1 : 10
DRAWN	CHECKED / APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000		SHEET 1 of 1 / REV. 01

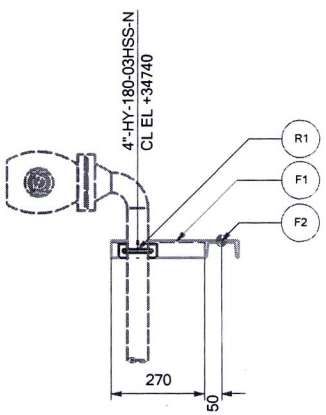
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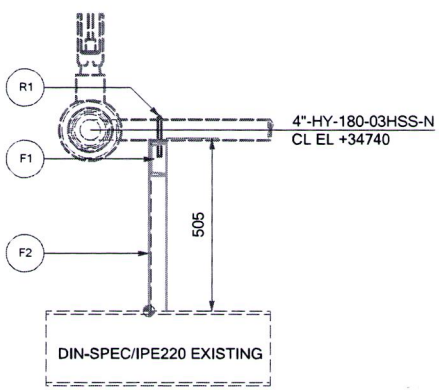
VIEW LOOKING NORTH



VIEW LOOKING WEST



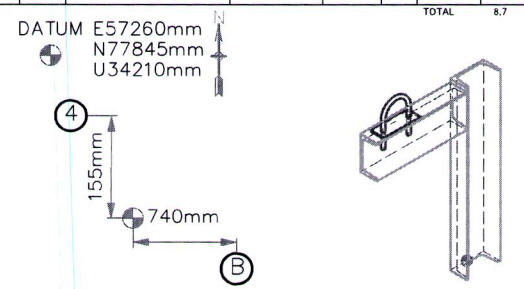
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-211-2"	-	-	1	-	0.50	-
F1	BEAM	UPN100	Carbon Steel	270	1	10.57	2.85	0.103
F2	BEAM	UPN100	Carbon Steel	505	1	10.57	5.34	0.191
						TOTAL	8.7	0.29



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

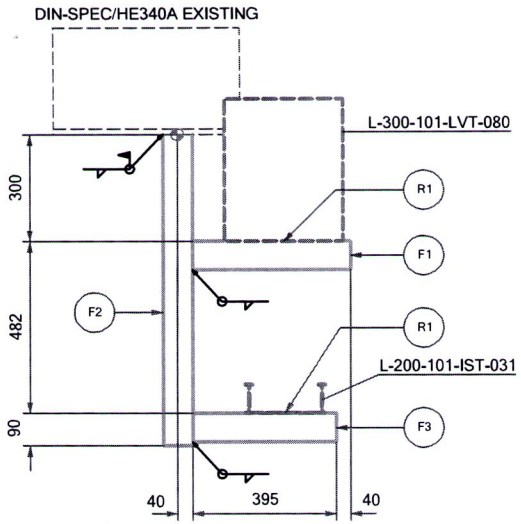
ROSETTI MARINO

TITLE:

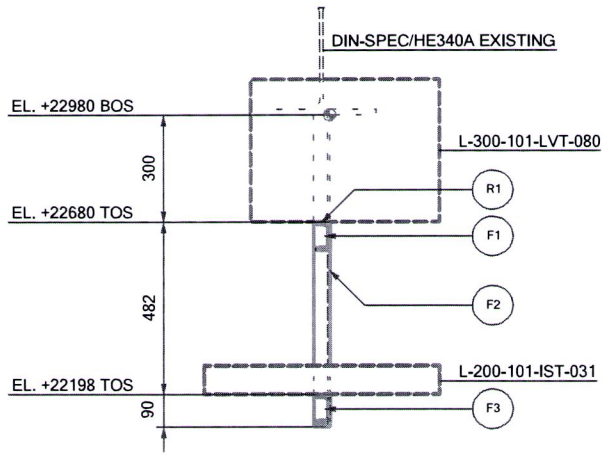
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03036

CONTRACT NO./TITLE: CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE: 1:10
DRAWN	CHECKED	APPROVED	DATE: 04/11/24
DRAWING NO.: 123A90-DDL-PP-DD-72000			SHEET: 1 of 1 / REV.: 01

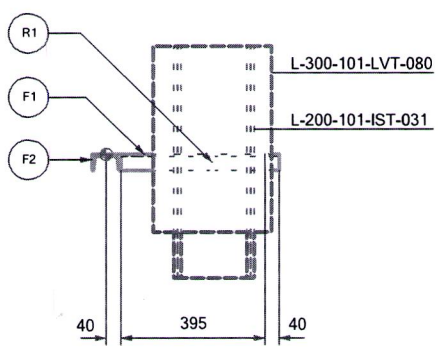
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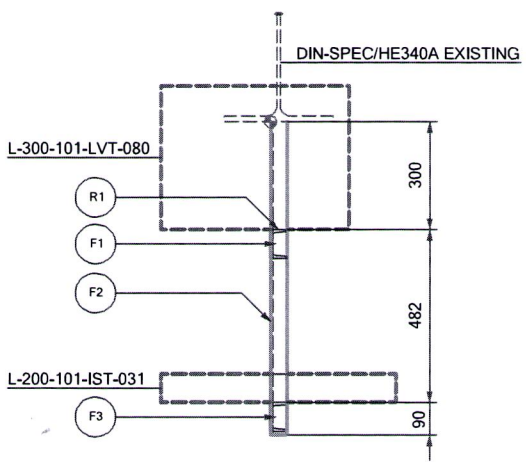
VIEW LOOKING NORTH



VIEW LOOKING WEST



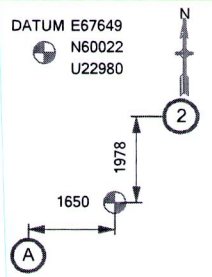
PLAN VIEW

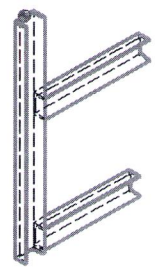


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	2	-	0.00	-
F1	BEAM	UPN80	Carbon Steel	436	1	8.66	3.77	0.139
F2	BEAM	UPN80	Carbon Steel	872	1	8.66	7.55	0.275
F3	BEAM	UPN80	Carbon Steel	395	1	8.66	3.43	0.126
						TOTAL	14.7	0.54





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

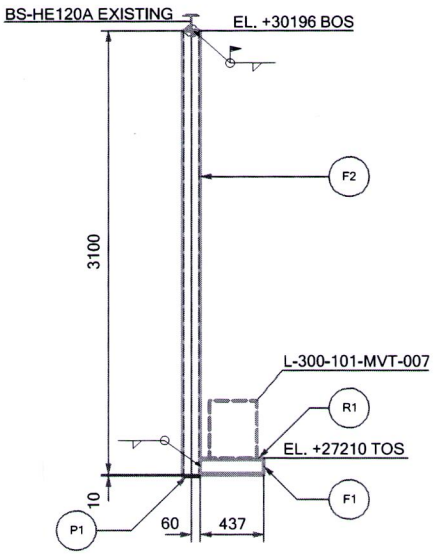
ROSETTI MARINO

TITLE :

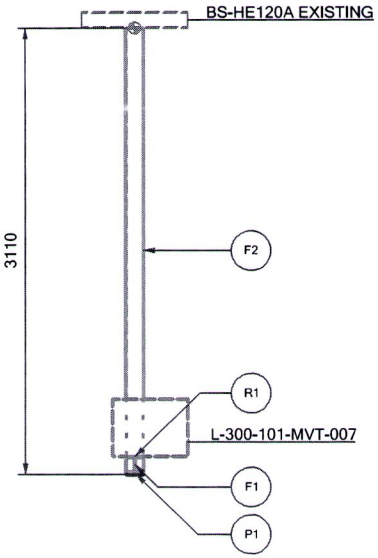
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01600

CONTRACT NO./TITLE: CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

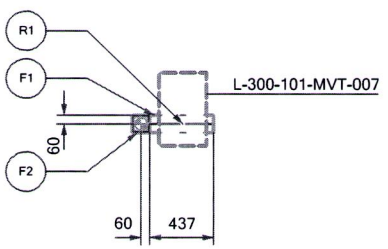
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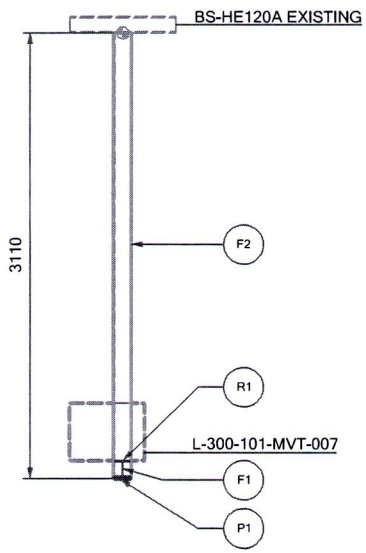
VIEW LOOKING NORTH



VIEW LOOKING WEST



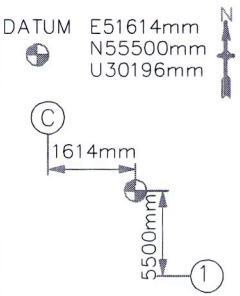
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	1	-	0.00	-
F1	BEAM	HEA120	Carbon Steel	437	1	19.98	8.73	0.301
F2	BEAM	RHS120x120x8	Carbon Steel	3110	1	27.79	86.42	2.728
P1	PLATE	3	Carbon Steel	110x110	1	-	0.28	0.012
						TOTAL	95.4	3.04





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

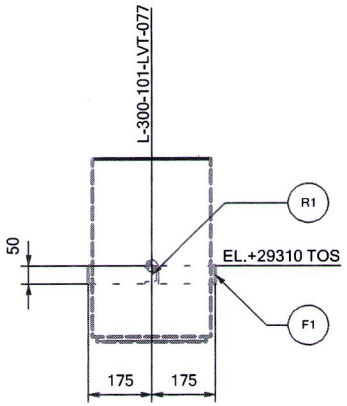
ROSETTI MARINO

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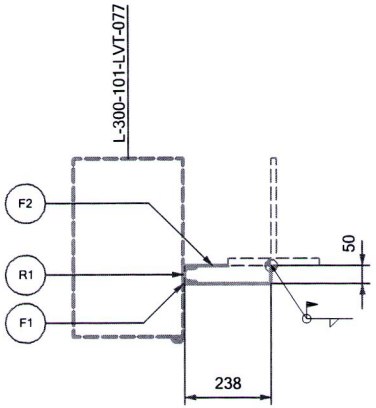
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02538

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 25
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

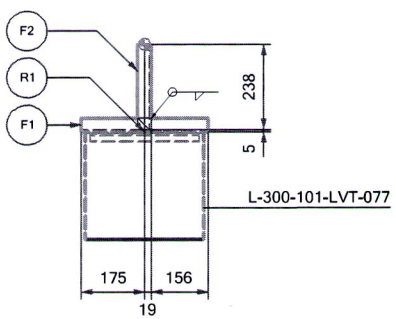
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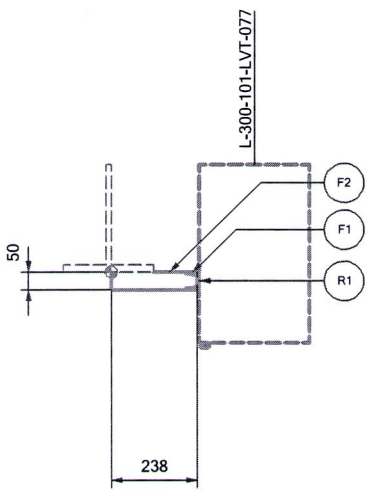
VIEW LOOKING NORTH



VIEW LOOKING WEST



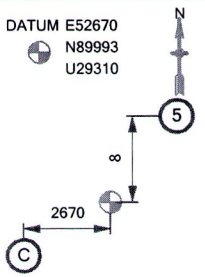
PLAN VIEW

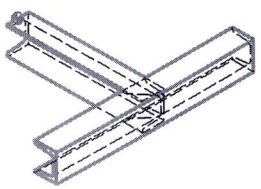


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	1	-	0.00	-
F1	BEAM	UPN50	Carbon Steel	350	1	5.61	1.96	0.082
F2	BEAM	UPN50	Carbon Steel	238	1	5.61	1.33	0.056
						TOTAL	3.3	0.14





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

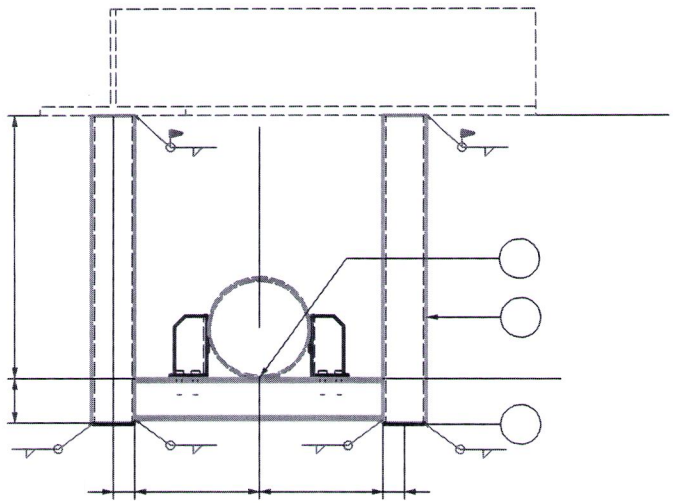
ROSETTI MARINO

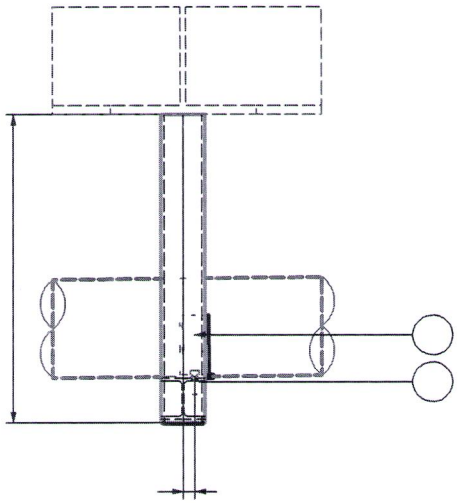
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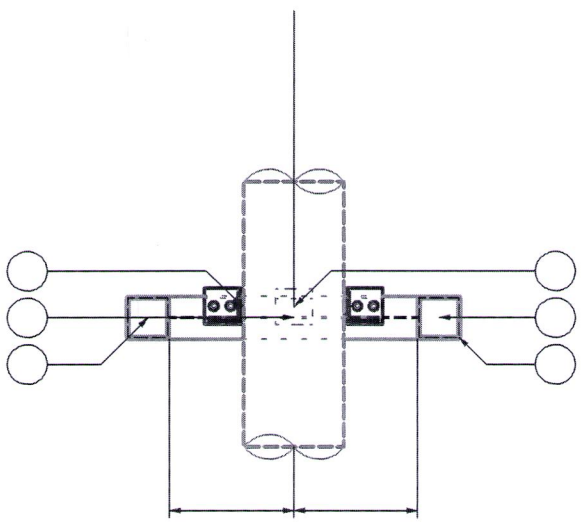
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02547

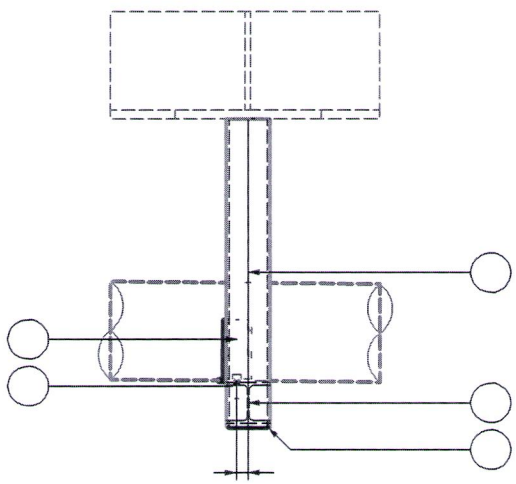
CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

File Name :



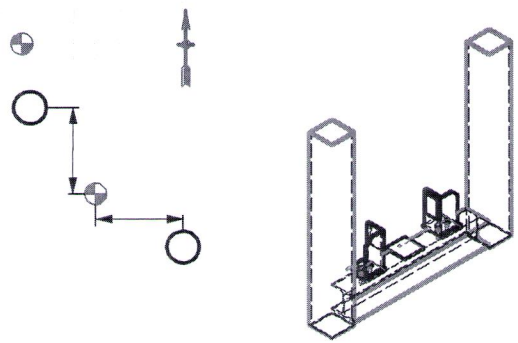






SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

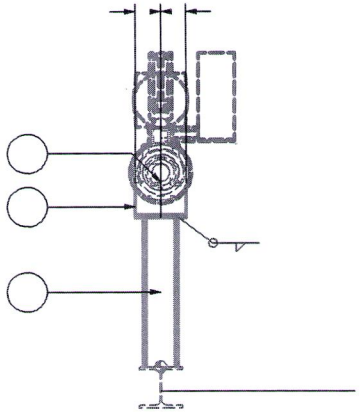
ROSETTI MARINO

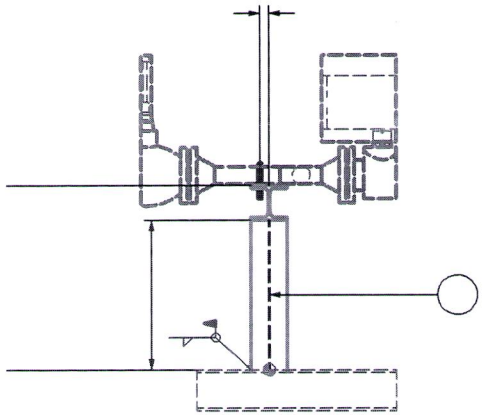
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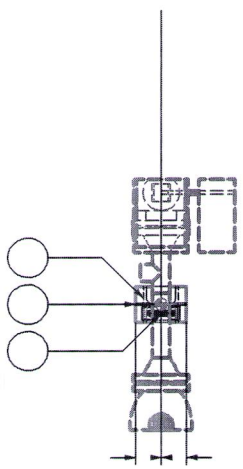
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02005

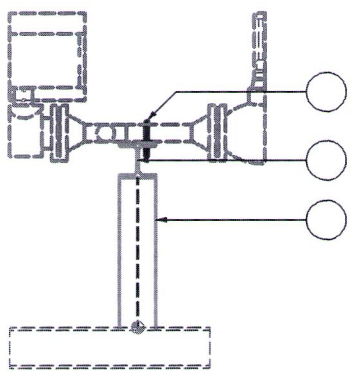
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DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

File Name:



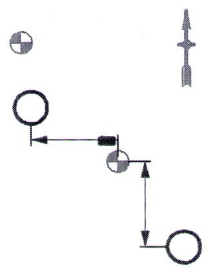


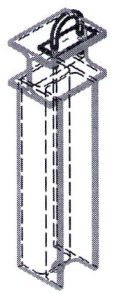




SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02004

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE 1:10
DRAWN	CHECKED / APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000	SHEET 1 of 1	REV. 00

File Name :

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_09.C	Pages: 3 of 94
Item description: SUPPORT DROWING PS-01026 / PS-01053 / PS-02009 / PS-02010 / PS-02041 / PS-02046 / PS-02090 / PS-03030 / PS-03547 / PS-03577 / PS-03595 / PS-71002	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 05/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 60 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 13 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	30/10/2024 12:30	21,1	70,5	15,5	20,4
Conditioned	30/10/2024 14:00	21,9	69,9	16,2	23,2

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	HARDTOP XP	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied. Applied additional coat (fourth coat) as the third coat had incorrect RAL
Batch number Part A:	3547111	3614965	3590159	3574432	
Expiration date:	23/07/2026	23/08/2028	24/07/2028	17/07/2028	
Batch Parte B:	3589589	3598096	3657618	3657618	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	03/10/2028	
Color:	Grey	GREY	RAL 7035 (SEE NOTE)	RAL 1023	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	
Application date:	30/10/2024	31/10/2024	02/11/2024	04/11/2024	
Start / Stop time:	15:00 / 16:00	07:30 / 09:00	7:00 / 08:00	08:00 / 10:00	
Air temperature:	23,5	21,7	21,6	22,0	
Surface temperature:	26,3	21,2	20,9	21,3	
Dew point:	17,0	15,9	16,6	16,6	
Relative humidity:	67,0	69,9	73,4	71,3	
Wet film thickness:	100	270	80	80	
DFT Min/Max/Av [µm]:	64/152/114	241/393/284	305/460/371	388/580/468	
Inspection date & time:	31/10/2024	01/11/2024	02/11/2024	05/11/2024	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_09_C	Issued by: Alex Sanna

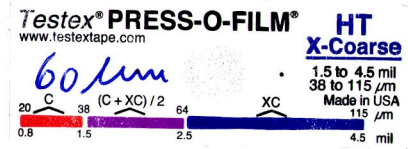
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



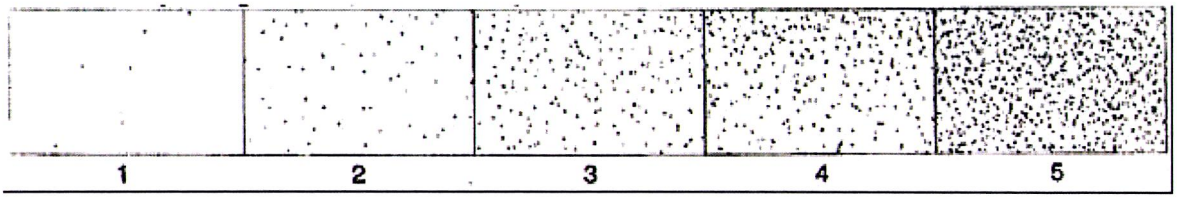
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

A. SANNA FROSIO CERT. Nr. 7027

Jotun Italia Srl

Via O. Petronio 8
34015 MUGGIA, ITALY

JOTUN

Documento di trasporto

3131133653193565378 1-1-W15433204-W15433204

DESTINATARIO MERCE:

IMPRESA DONELLI SRL
C/O ROSETTI MARINO, Att. Sig. Sanna
VIA DEL MARCHESATO,37
48122 RAVENNA
RA
ITALY

DATA di CONSEGNA
31 LUG. 2024
ESIBITO

INTESTATARIO FATTURA:

IMPRESA DONELLI SRL
VIA F.LLI CERVI, 7
20025 LEGNANO
MI
ITALY

NUM. DT
13365319
DATA D.D.T.
30.07.2024
NUM. BOLLA ACC.:
ITTF-202404041

Codice Cliente:	NUM. ORD. CLIENTE	DATA ORDINE	NUM. IMO	Azienda	Num. Ordine	Pagina
320483	1095/RA -CDA	30.07.2024		31	W15433204	1 / 2
SPEDITO DA MAGAZZINO	TRASPORTATORE	DATA SPEDIZIONE	INCOTERM		Numero Pallet	Num. Imb.
ITTF	ARCO SPEDIZIONI S.P.A.	30.07.2024	DAP		5	5

SPECIAL NOTE
consegna espressa 31/07

N.	Codice Prodotto	Descrizione	Numero Lotto Prod.	Rif. Imballaggio	Pz.	Q.tà in Litri	Q.tà in Kg
1	0UVPGAX20	HARDTOP XP RAL 1023 16,57L	W15433204-5-2-1	380999900000559059	8	132.56	171.20
2	0UVCPBBTA	HARDTOP XP, COMP B 1.8L	3569151-1-*-1:2	380999900000559059	8	14.40	16.27
3	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559011	33	495.00	739.20
4	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559035	17	255.00	380.80
5	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	50	250.00	242.50
6	0B5A85RVA	PENGUARD PRO GF RAL 1023 A 15L	3572677-1-*-1:2-1	380999900000559028	25	375.00	547.50
7	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	25	125.00	121.25
8	0B5903RVA	PENGUARD PRO GF RAL 1004 A 15L	3572663-1-*-1:2-1	380999900000559035	13	195.00	284.70
9	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3470056-1-*-1:2-1	380999900000559059	8	40.00	38.80
10	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	5	25.00	24.25

TRANSPORTER COPY

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP BASE 5 A 16.4L
Colour:
Production Date: 18/07/2024
Batch No: 3574432-1-*-1:2
Product Code: 0UVBA5SPA
Best Before Date : 17/07/2028

Test	Result	Min - Max
COLOUR/STRENGTH MCI-BASE/DIN 53234	101.8	92 - 104 *
COLOUR/STRENGTH MCI-BASE/DIN 53234	1	- 1 *
CONE 0-10 P AT 23 DEG.C/ISO 2884	400	250 - 450 cP
DENSITY-PYKNOMETER/ISO 2811-1	1249	1221 - 1261 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 5 h
GRINDOMETER/ISO 1524	20	- 20 um
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	73.14	70 - 74 %
POTLIFE AT 23 DEG.C	1.5	1.5 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/09/2024**

Document number: 77516308

Analysis number: 4390471

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 24/08/2024
Batch No: 3614965-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 04/10/2024
Batch No: 3657618-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 03/10/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

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Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100**

Analysis number: **4527355**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	04/09/2024
Batch No:	3598096-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796**

Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 23.07.2024
Batch No: 3547111-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

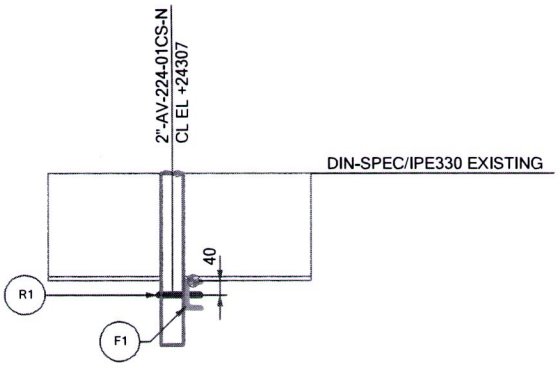
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Place and date: **Cerkezköy Fact 24.07.2024**

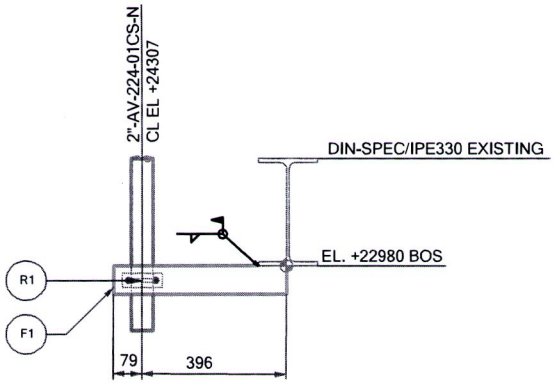
Karademir, Tamer
QC-laboratory

Document number: **76836595**

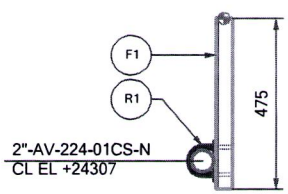
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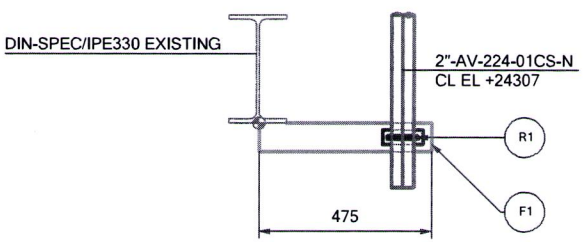
VIEW LOOKING NORTH



VIEW LOOKING WEST



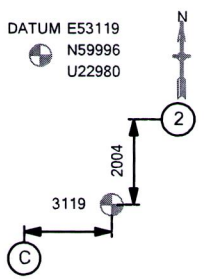
PLAN VIEW

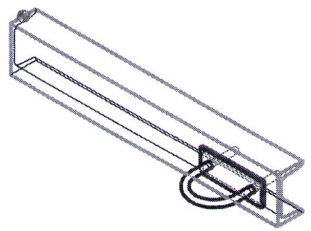


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-211-2"	-	-	1	-	0.52	-
F1	BEAM	UPN80	Carbon Steel	475	1	8.66	4.12	0.151
						TOTAL	4.6	0.15





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

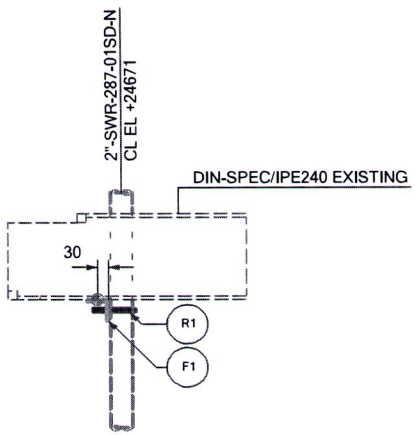
ROSETTI MARINO

TITLE :

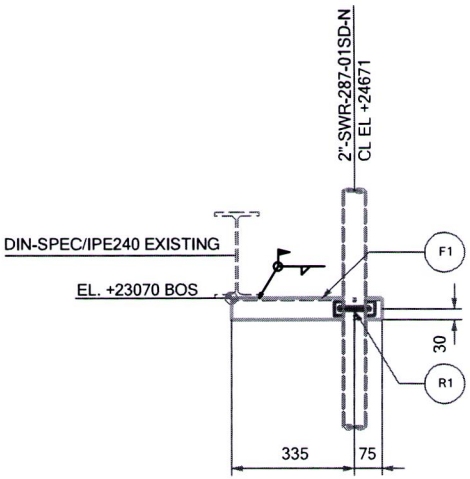
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01026

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

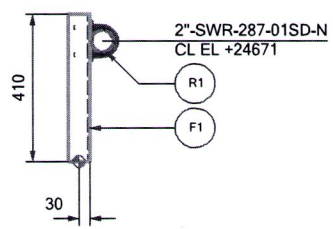
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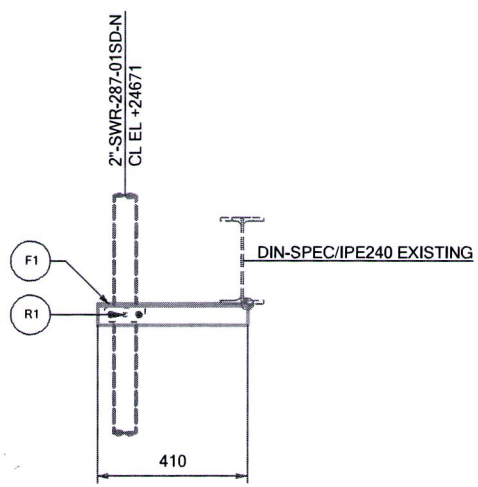
VIEW LOOKING NORTH



VIEW LOOKING WEST



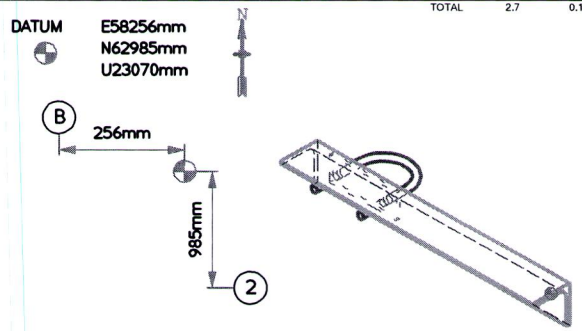
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-211-2"	-	-	1	-	0.52	-
F1	BEAM	L60x60x6	Carbon Steel	410	1	5.42	2.22	0.097
						TOTAL	2.7	0.10



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

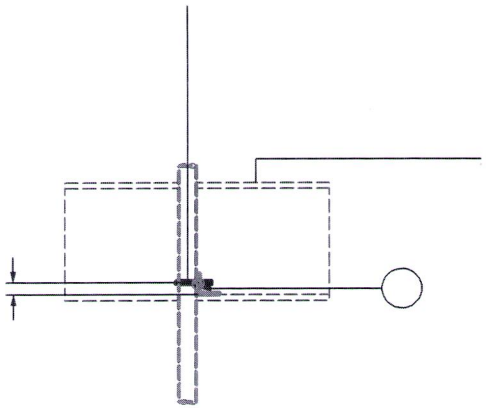
ROSETTI MARINO

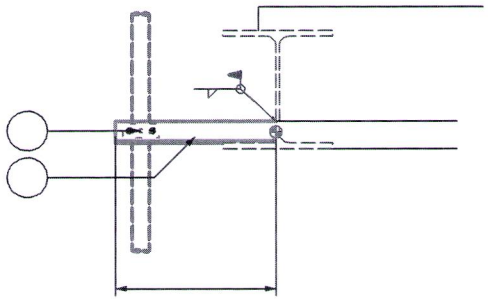
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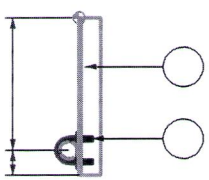
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01053

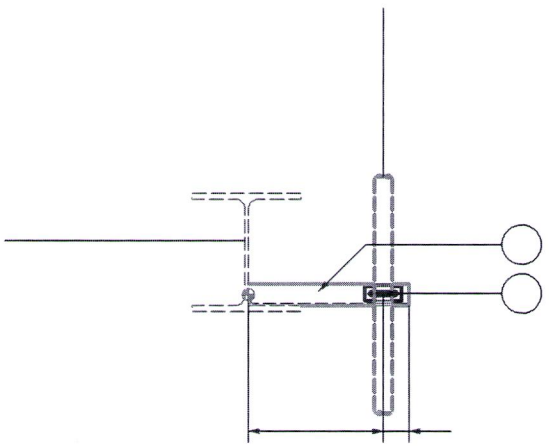
CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

File Name:



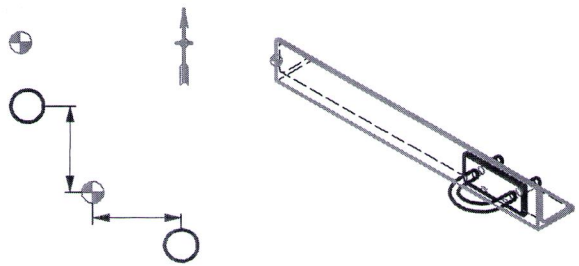






SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

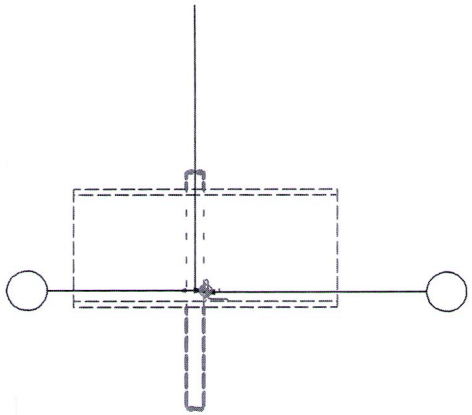
ROSETTI MARINO

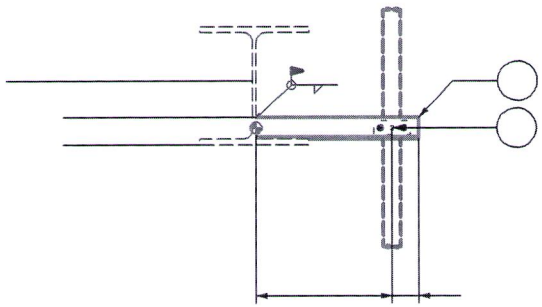
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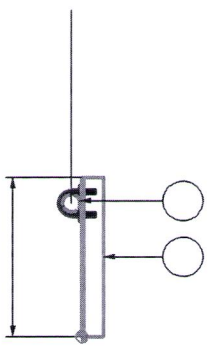
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02009

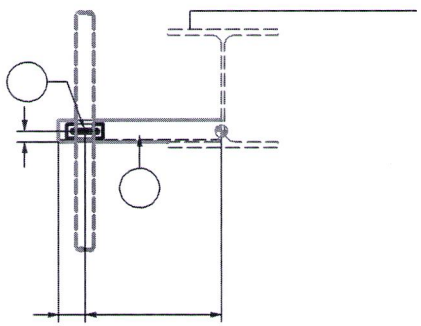
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DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

File Name :



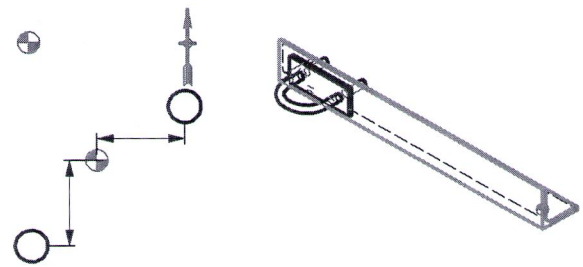






SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

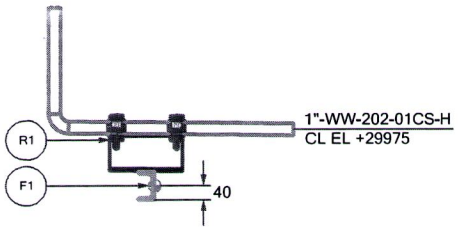
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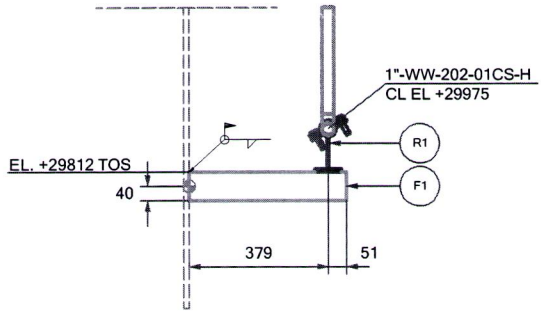
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02010

CONTRACT NO./TITLE	CVI-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

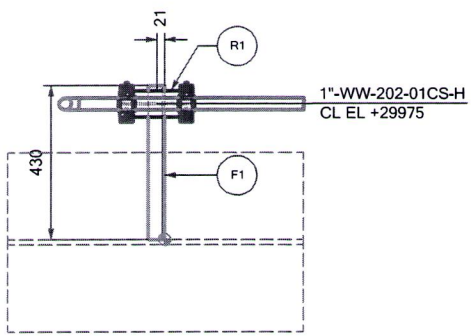
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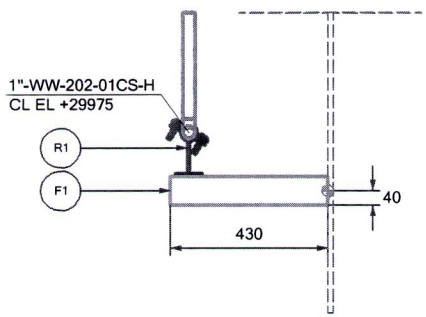
VIEW LOOKING NORTH



VIEW LOOKING WEST



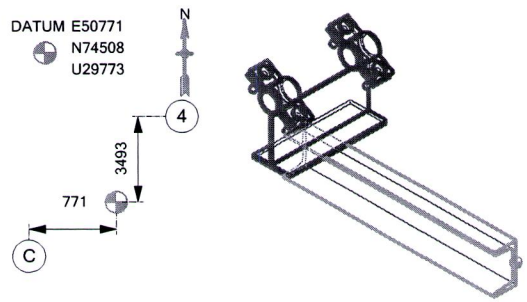
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-75-1"-98-92-200	-	-	1	-	4.64	0.034
F1	BEAM	UPN80	Carbon Steel	430	1	8.66	3.73	0.137
						TOTAL	8.4	0.17



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

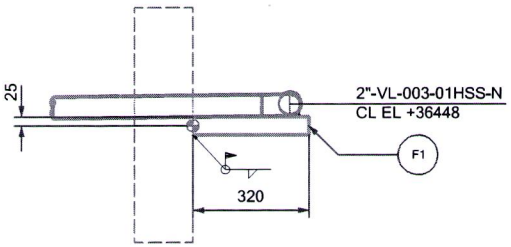
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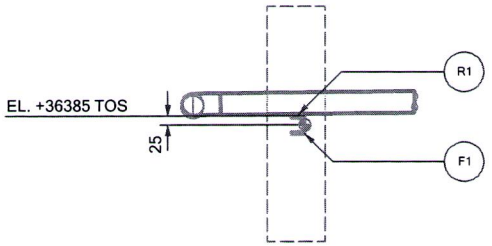
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02041

CONTRACT NO./TITLE	CW4-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

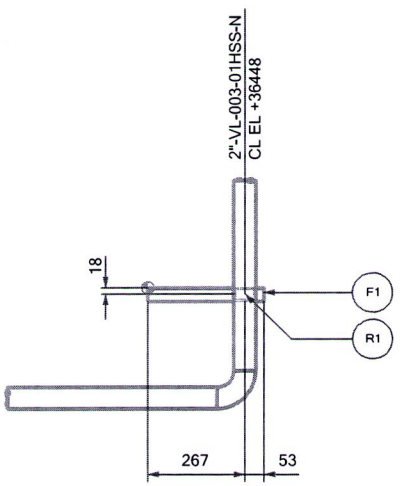
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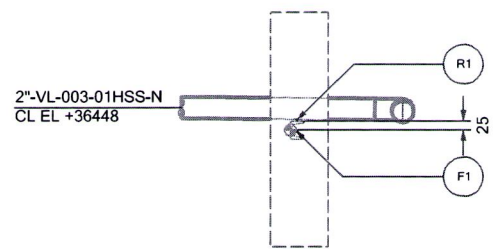
VIEW LOOKING EAST



VIEW LOOKING NORTH



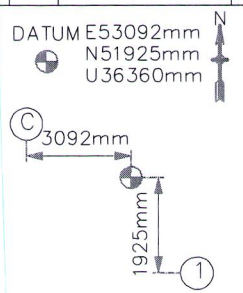
PLAN VIEW

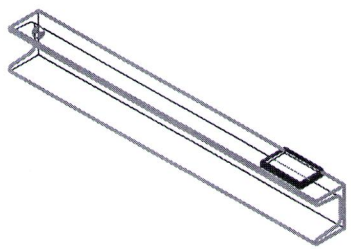


VIEW LOOKING SOUTH

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	C-16-50-30-5	-	-	1	-	0.02	-
F1	BEAM	UPN50	Carbon Steel	400	1	5.61	2.24	0.093
						TOTAL	2.3	0.09





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

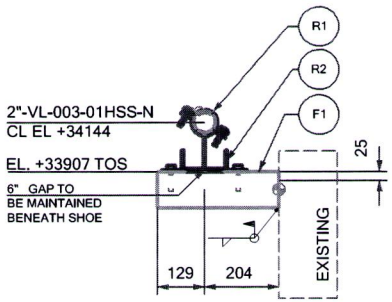
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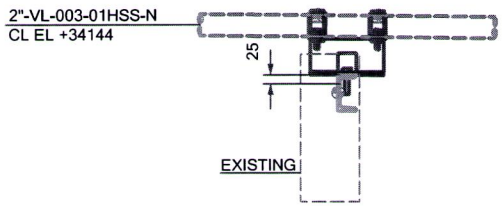
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02046

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

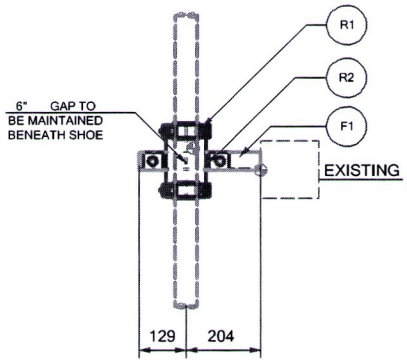
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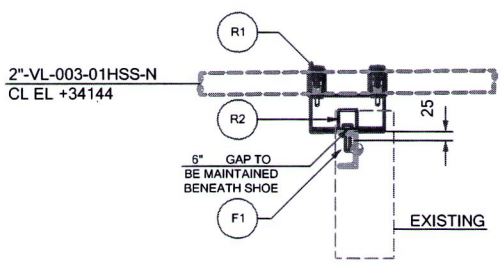
VIEW LOOKING NORTH



VIEW LOOKING WEST



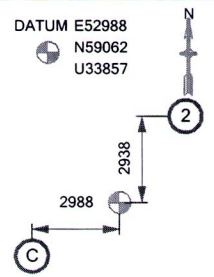
PLAN VIEW

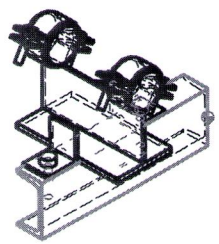


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-75-2"-100-92-200	-	-	1	-	6.35	0.046
R2	STD	C-34-1-1-2	-	-	1	-	2.04	0.023
F1	BEAM	UPN100	Carbon Steel	333	1	10.57	3.52	0.126
						TOTAL	11.9	0.20





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

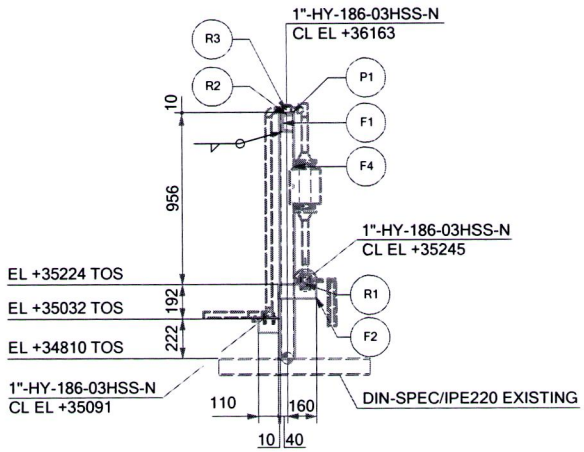
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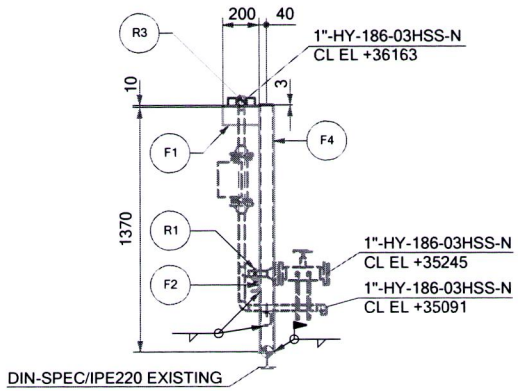
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02090

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 : 06 1 / REV. 00

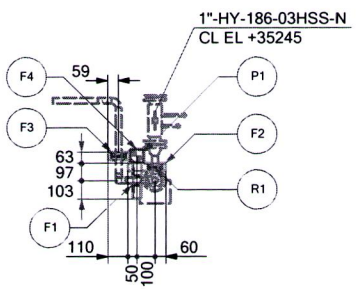
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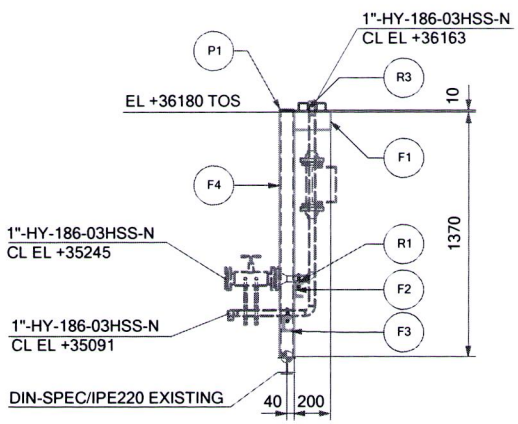
VIEW LOOKING NORTH



VIEW LOOKING WEST



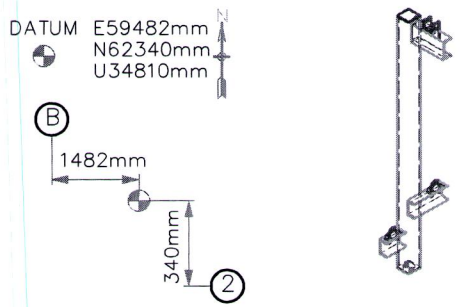
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF (m2)
R1	STD	S-211-1"	-	-	2	-	0.29	-
R2	STD	C-16-30-30-5	-	-	1	-	0.01	-
R3	STD	S-203-A-1"-2	-	-	1	-	0.41	0.019
F1	BEAM	UPN100	Carbon Steel	200	1	10.57	2.11	0.077
F2	BEAM	UPN80	Carbon Steel	210	1	8.66	1.82	0.068
F3	BEAM	UPN80	Carbon Steel	120	1	8.66	1.04	0.040
F4	BEAM	SHS80x80x8	Carbon Steel	1380	1	17.15	23.67	0.760
P1	PLATE	3	Carbon Steel	72x72	1	-	0.12	0.005
						TOTAL	29.8	0.97



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

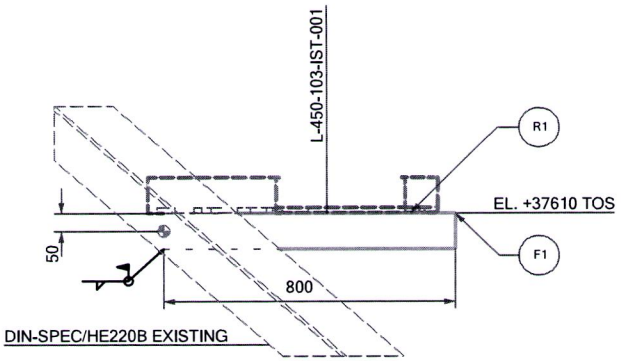
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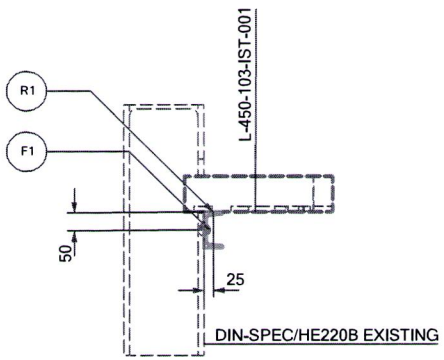
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03030

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:20
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

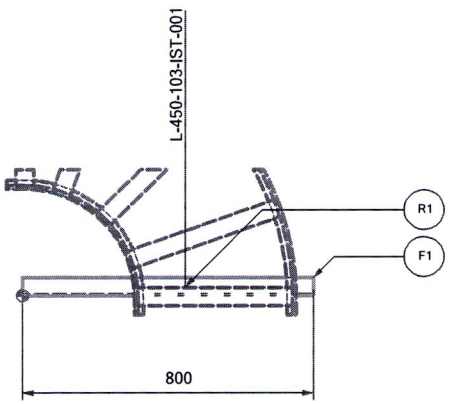
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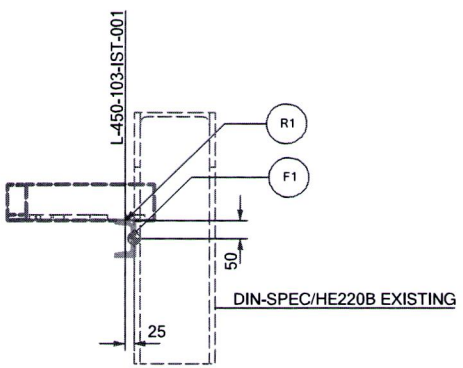
VIEW LOOKING NORTH



VIEW LOOKING WEST



PLAN VIEW

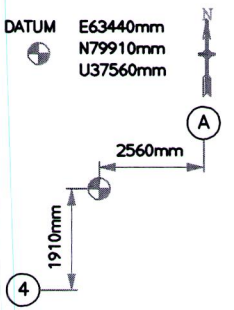


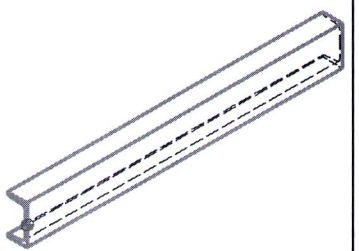
VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	1	-	0.00	-
F1	BEAM	UPN100	Carbon Steel	800	1	10.57	8.46	0.300
						TOTAL	8.5	0.30

DATUM E63440mm
N79910mm
U37560mm





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

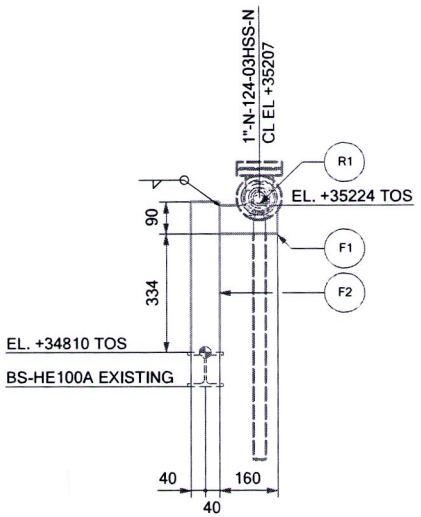
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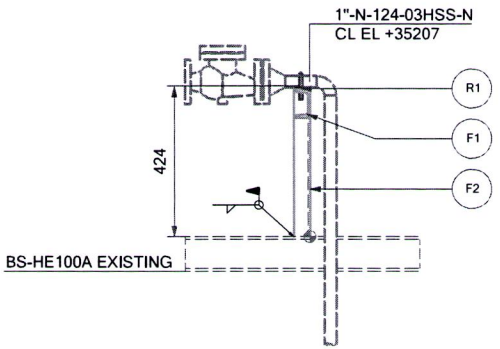
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03547

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE 1 : 10
DRAWN / CHECKED / APPROVED		DATE 19/08/24
DRAWING NO.	123A90-DDL-PP-DD-72000	SHEET 1 of 1 / REV. 00

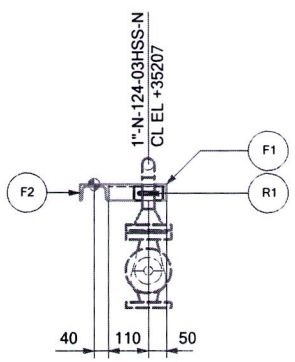
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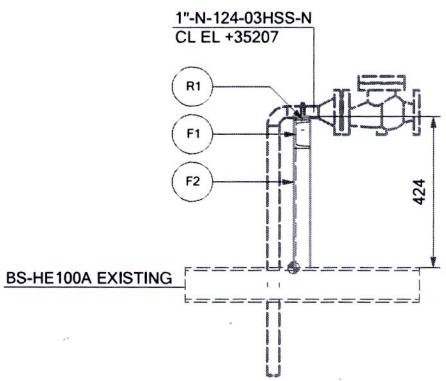
VIEW LOOKING NORTH



VIEW LOOKING WEST



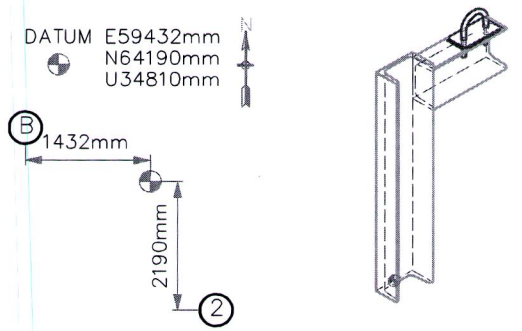
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-211-1"	-	-	1	-	0.29	-
F1	BEAM	UPN80	Carbon Steel	160	1	8.66	1.39	0.052
F2	BEAM	UPN80	Carbon Steel	424	1	8.66	3.67	0.135
						TOTAL	5.3	0.19



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

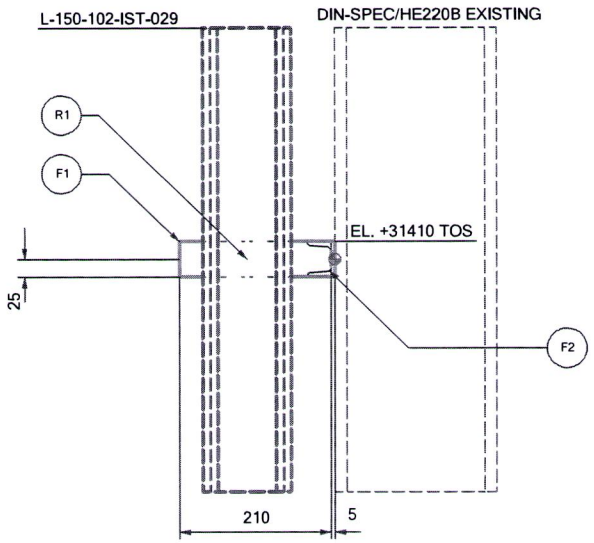
ROSETTI MARINO

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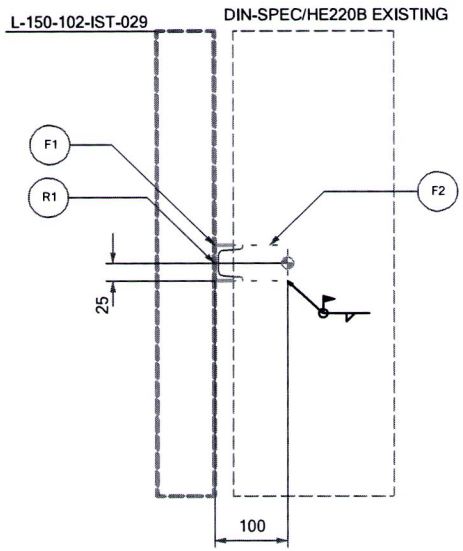
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03577

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE 1 : 10
DRAWN	CHECKED / APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000		SHEET 1 of 1 / REV. 00

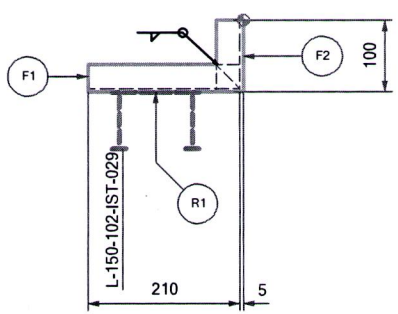
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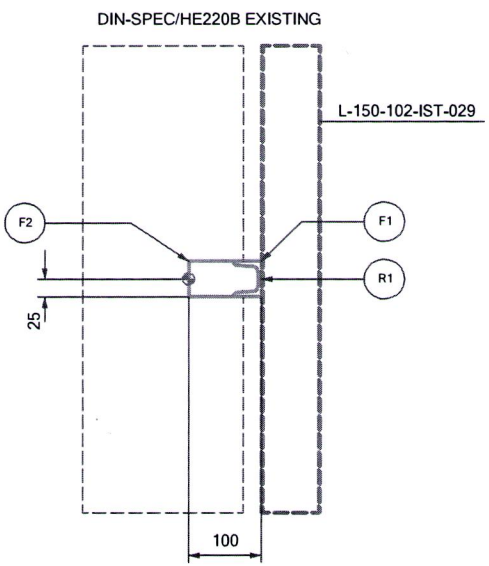
VIEW LOOKING NORTH



VIEW LOOKING WEST



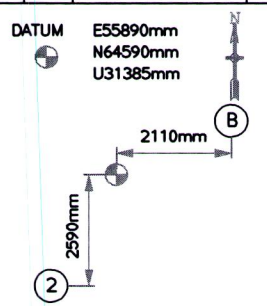
PLAN VIEW

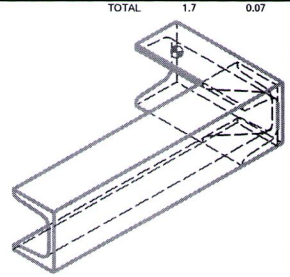


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	1	-	0,00	-
F1	BEAM	UPN50	Carbon Steel	210	1	5,61	1,18	0,050
F2	BEAM	UPN50	Carbon Steel	100	1	5,61	0,56	0,024
						TOTAL	1,7	0,07





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

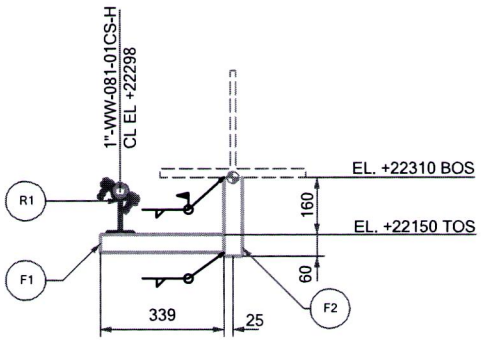
ROSETTI MARINO

TITLE

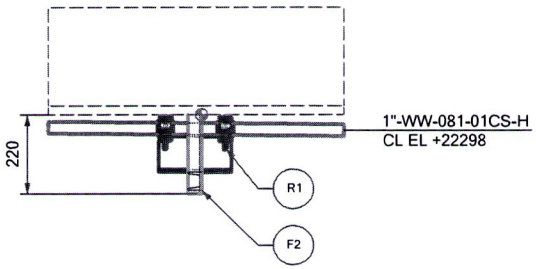
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-03595

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 5
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

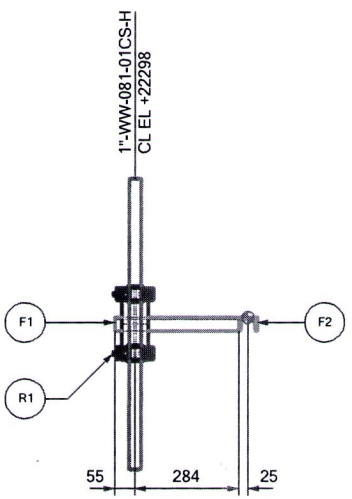
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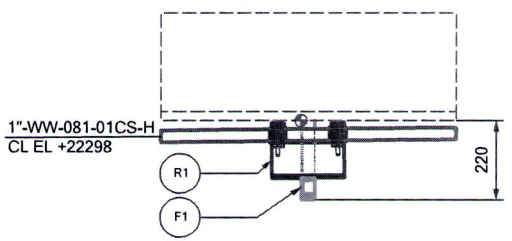
VIEW LOOKING NORTH



VIEW LOOKING WEST



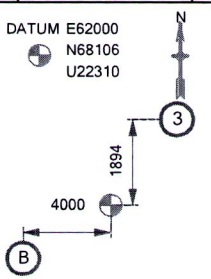
PLAN VIEW

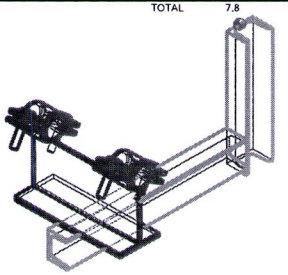


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS. nr	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-75-1"-98-92-200	-	-	1	-	4,64	0,034
F1	BEAM	UPN50	Carbon Steel	339	1	5,61	1,90	0,079
F2	BEAM	UPN50	Carbon Steel	220	1	5,61	1,24	0,052
						TOTAL	7,8	0,16





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	MMA	SLO	DLO	ISSUE FOR REVIEW

CROSSWIND

ROSETTI MARINO

TITLE:

BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-71002

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 19/08/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 00

File Name:

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number:	B_09.D	Pages:	4 of 94
Item description:	WALKWAYS & STAIRS BEAM AT EL. +19230 TOS / TP - WALKWAYS & STAIR	Applicable Procedure:	123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna		Issue date:	12/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074		Reference DWG:	See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1.	60 µm
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.	Test for solublesalts [mg/m2]	Actual value:	13 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.		Max acceptable value:	20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	07/11/2024 9:30	19,4	59,7	11,4	18,0
Conditioned	07/11/2024 11:30	20,2	55,5	11,0	18,4

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3607509	3574432	N.A.	
Expiration date:	23/07/2026	21/08/2028	17/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 1023	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	07/11/2024	08/11/2024	11/11/2024	N.A.	
Start / Stop time:	14:30 / 16:00	13:00 / 15:00	12:00 / 14:00	N.A.	
Air temperature:	18,2	18,4	18,2	N.A.	
Surface temperature:	17,1	17,8	17,6	N.A.	
Dew point:	11,6	11,8	10,5	N.A.	
Relative humidity:	65,7	65,1	60,6	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	54/140/103	236/432/322	308/590/399	N.A.	
Inspection date & time:	08/11/2024	09/11/2024	12/11/2024	N.A.	

Holiday test:	Performed	☐	Not Performed	☐	Adhesion Testing:
Risultato:	OK	☐	Not OK	☐	

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_09_D	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



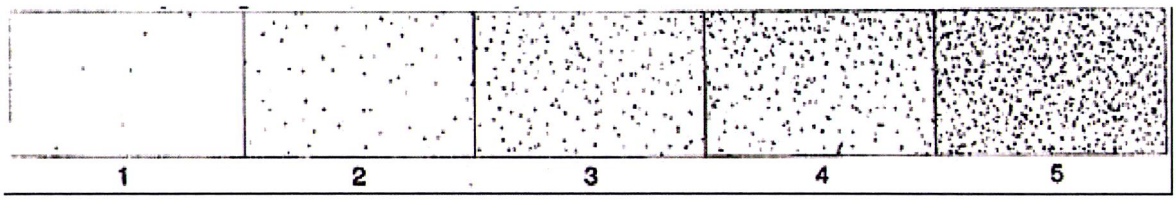
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

Jotun Protects Property

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 8/22/2024
Batch No: 3607509-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 8/21/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	714	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1537	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 8/23/2024**

Inan, Semih
QC-laboratory

Document number: **77148452**

Analysis number: **4464678**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	04/09/2024
Batch No:	3598096-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S GREY A 7.5L
Colour:	
Production Date:	23.07.2024
Batch No:	3547111-1-*-1:2
Product Code:	6BRGREHQA
Best Before Date :	23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 04/10/2024
Batch No: 3657618-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 03/10/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

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Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100**

Analysis number: **4527355**

Jotun Italia Srl

Via O. Petronio 8
34015 MUGGIA, ITALY

JOTUN

Documento di trasporto

3131133653193565378 1-1-W15433204-W15433204

DESTINATARIO MERCE:

IMPRESA DONELLI SRL
C/O ROSETTI MARINO, Att. Sig. Sanna
VIA DEL MARCHESATO,37
48122 RAVENNA
RA
ITALY

DATA di CONSEGNA
31 LUG. 2024
ES1835O

INTESTATARIO FATTURA:

IMPRESA DONELLI SRL
VIA F.LLI CERVI, 7
20025 LEGNANO
MI
ITALY

NUM. DT
13365319
DATA D.D.T.
30.07.2024
NUM. BOLLA ACC.:
ITTF-202404041

Codice Cliente:	NUM. ORD. CLIENTE	DATA ORDINE	NUM. IMO	Azienda	Num. Ordine	Pagina
320483	1095/RA -CDA	30.07.2024		31	W15433204	1 / 2
SPEDITO DA MAGAZZINO	TRASPORTATORE	DATA SPEDIZIONE	INCOTERM		Numero Pallet	Num. Imb.
ITTF	ARCO SPEDIZIONI S.P.A.	30.07.2024	DAP		5	5

SPECIAL NOTE
consegna espressa 31/07

N.	Codice Prodotto	Descrizione	Numero Lotto Prod.	Rif. Imballaggio	Pz.	Q.tà in Litri	Q.tà in Kg
1	0UVPGAX20	HARDTOP XP RAL 1023 16,57L	W15433204-5-2-1	380999900000559059	8	132.56	171.20
2	0UVCPBBTA	HARDTOP XP, COMP B 1.8L	3569151-1-*-1:2	380999900000559059	8	14.40	16.27
3	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559011	33	495.00	739.20
4	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559035	17	255.00	380.80
5	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	50	250.00	242.50
6	0B5A85RVA	PENGUARD PRO GF RAL 1023 A 15L	3572677-1-*-1:2-1	380999900000559028	25	375.00	547.50
7	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	25	125.00	121.25
8	0B5903RVA	PENGUARD PRO GF RAL 1004 A 15L	3572663-1-*-1:2-1	380999900000559035	13	195.00	284.70
9	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3470056-1-*-1:2-1	380999900000559059	8	40.00	38.80
10	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	5	25.00	24.25

TRANSPORTER COPY

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP BASE 5 A 16.4L
Colour:
Production Date: 18/07/2024
Batch No: 3574432-1-*-1:2
Product Code: 0UVBA5SPA
Best Before Date : 17/07/2028

Test	Result	Min - Max
COLOUR/STRENGTH MCI-BASE/DIN 53234	101.8	92 - 104 *
COLOUR/STRENGTH MCI-BASE/DIN 53234	1	- 1 *
CONE 0-10 P AT 23 DEG.C/ISO 2884	400	250 - 450 cP
DENSITY-PYKNOMETER/ISO 2811-1	1249	1221 - 1261 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 5 h
GRINDOMETER/ISO 1524	20	- 20 um
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	73.14	70 - 74 %
POTLIFE AT 23 DEG.C	1.5	1.5 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

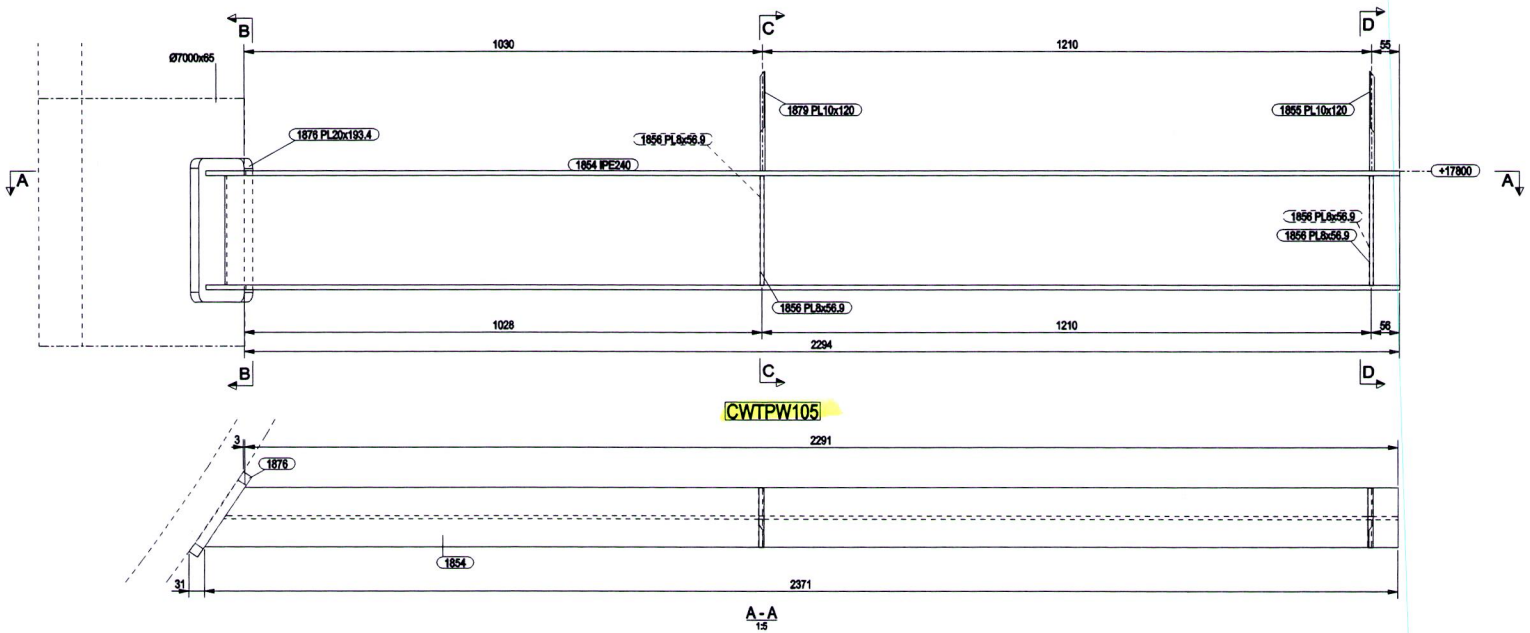
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Place and date: **JP(E)Ltd Flix Fact 26/09/2024**

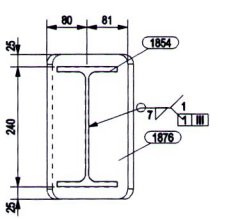
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Analysis number: **4390471**

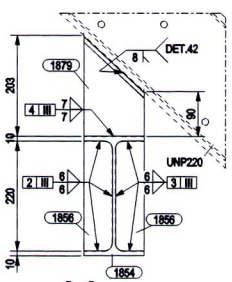
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPW105	1854	1	IPE240	2371	S355J2	4	71.7	2.19	
CWTPW105	1855	1	PL10x120	200	S355J2	4	1.3	0.04	
CWTPW105	1856	4	PL8x56.9	220	S355J2	4	3.1	0.12	
CWTPW105	1876	1	PL20x193.4	290	S355J2	4	8.7	0.13	
CWTPW105	1879	1	PL10x120	200	S355J2	4	1.3	0.04	
						TOTALE	86.2	2.51	



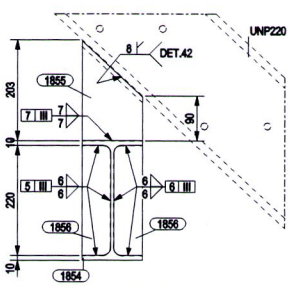
A - A
1:5



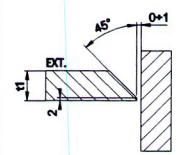
B - B
1:5



C - C
1:5



D - D
1:5

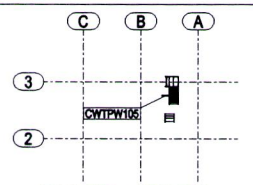


DETAIL 42

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

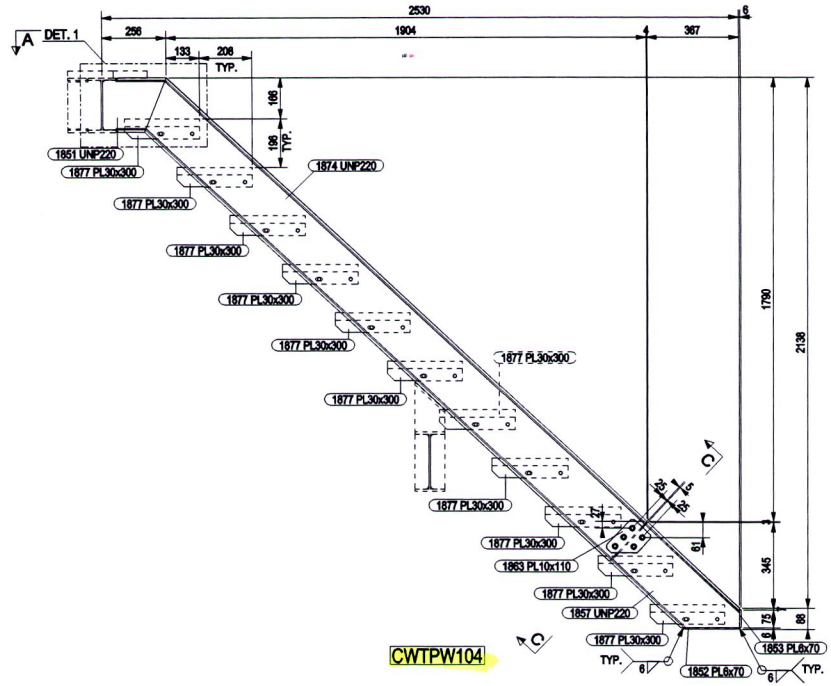
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	03/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

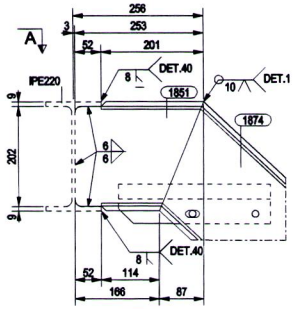
CROSSWIND

ROSETTI MARINO

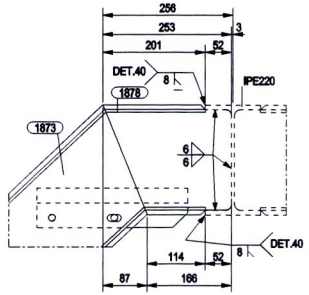
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WALKWAYS & STAIRS BEAMS AT EL. +19230 TOS
MARK CWTPW105

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:5
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 03/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90737		SHEET 001	REV. 0



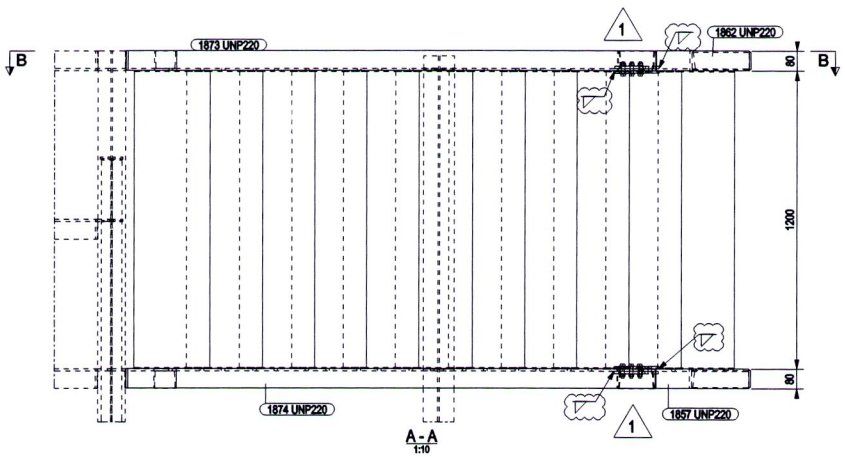


DETAIL 1
SCALE 1:5

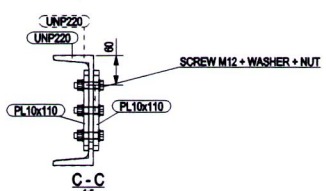


DETAIL 2
SCALE 1:5

B - B
1:10



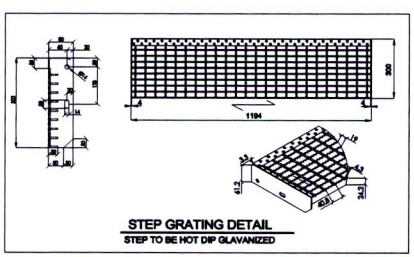
A - A
1:10



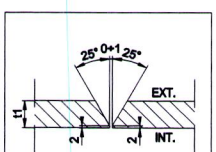
C - C
1:5

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPW104	1851	1	UNP220	253	S355J2	5	5.3	0.18	
CWTPW104	1852	2	PL6x70	225	S355J2	5	1.5	0.07	
CWTPW104	1853	2	PL6x70	75	S355J2	5	0.5	0.02	
CWTPW104	1857	1	UNP220	559	S355J2	5	13.8	0.40	
CWTPW104	1862	1	UNP220	559	S355J2	5	13.8	0.40	
CWTPW104	1863	4	PL10x110	160	S355J2	5	4.4	0.14	
CWTPW104	1873	1	UNP220	2613	S355J2	5	75.4	1.88	
CWTPW104	1874	1	UNP220	2613	S355J2	5	75.3	1.88	
CWTPW104	1877	11	GRATING STEP 30x300	1200	S235JR	5	942.3	9.55	
CWTPW104	1878	1	UNP220	253	S355J2	5	5.2	0.18	
						TOTALE	1137.5	14.70	

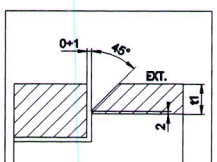
BILL OF BOLTS				
Q.TY	DENOMINATION	MATERIAL	WEIGHT kg	NOTES
44	SCREW M12*55	CL. 8.8	1.76	HOT DIP GALV.
88	NUT M12	CL. 8	0.88	HOT DIP GALV.
88	WASHER M12	R40	0.32	HOT DIP GALV.



STEP GRATING DETAIL
STEP TO BE HOT DIP GLAVANIZED



DETAIL 1

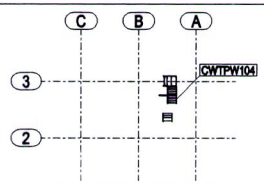


DETAIL 40

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	08/10/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
0	03/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

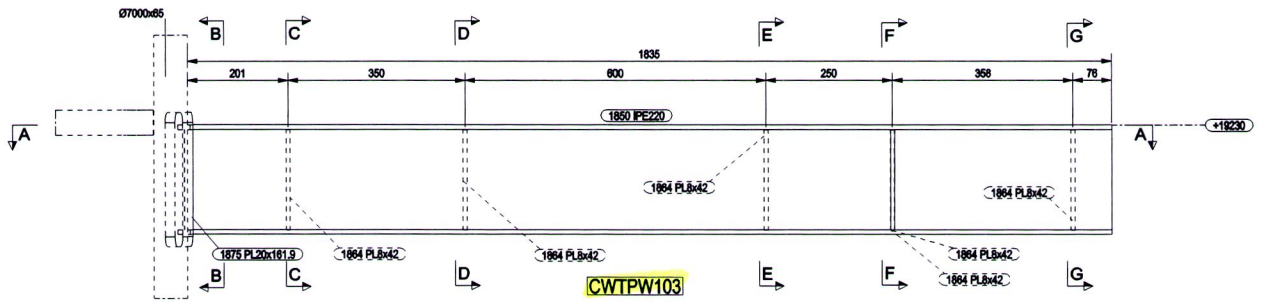
CROSSWIND

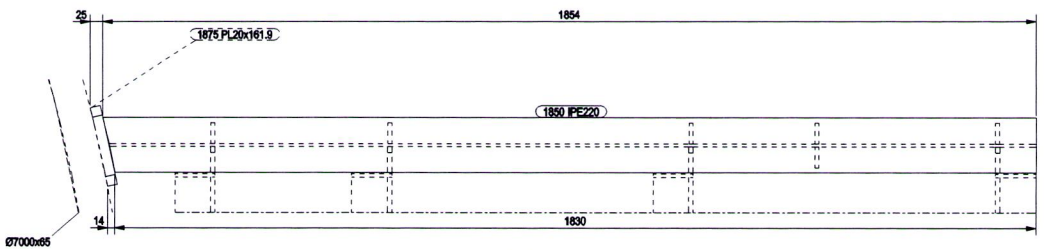
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WALKWAYS & STAIRS – STAIR
MARK CWTPW104

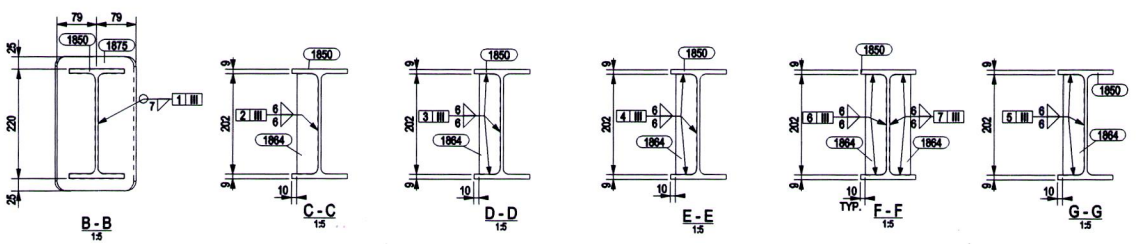
CONTRACT NO./TITLE CW-1-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:10
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 08/10/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90736		SHEET 001	REV. 1

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPW103	1850	1	IPE220	1854	S355J2	4	48.3	1.57	
CWTPW103	1864	6	PL8x42	202	S355J2	4	3.2	0.12	
CWTPW103	1875	1	PL20x161.9	270	S355J2	4	6.8	0.10	
						TOTALE	58.3	1.80	





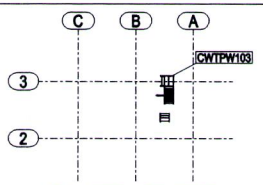
A - A
1:5



NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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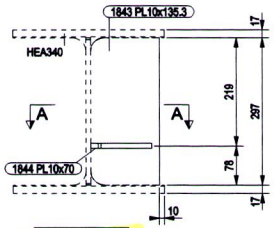
CROSSWIND

ROSETTI MARINO

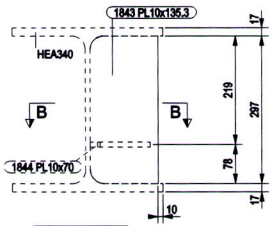
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WALKWAYS & STAIRS BEAMS AT EL. +19230 TOS
MARK CWTPW103

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:5
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 03/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90735		SHEET 001	REV. 0

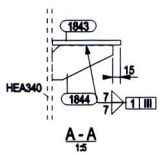
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPW101	1843	1	PL10x135.3	297	S355J2	4	3.1	0.09	
CWTPW101	1844	1	PL10x70	120	S355J2	4	0.5	0.01	
CWTPW102	1843	1	PL10x135.3	297	S355J2	4	3.1	0.09	
CWTPW102	1844	1	PL10x70	120	S355J2	4	0.5	0.01	
CWTPW107	1859	1	UNP220	1394	S355J2	4	38.8	1.00	
CWTPW108	1859	1	UNP220	1394	S355J2	4	38.8	1.00	
CWTPW109	1859	1	UNP220	1394	S355J2	4	38.8	1.00	
CWTPW110	1859	1	UNP220	1394	S355J2	4	38.9	1.00	
CWTPW113	1880	1	PL10x135.3	211	S355J2	4	2.2	0.06	
CWTPW114	1881	1	PL10x135.3	211	S355J2	4	2.2	0.06	
						TOTALE	167.0	4.34	



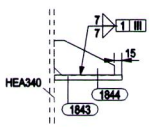
CWTPW101



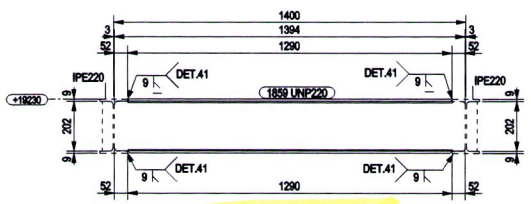
CWTPW102



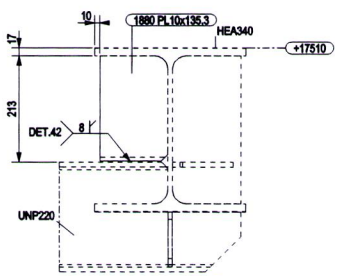
A - A
1:5



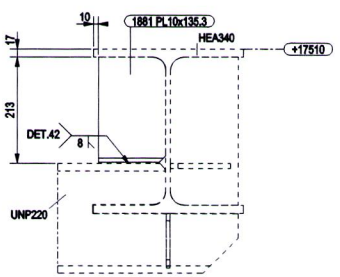
B - B
1:5



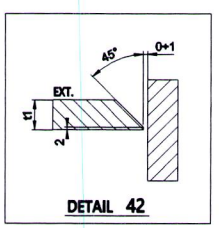
CWTPW107 CWTPW108
CWTPW109 CWTPW110



CWTPW113



CWTPW114

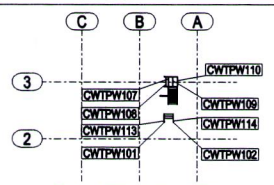


DETAIL 42

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

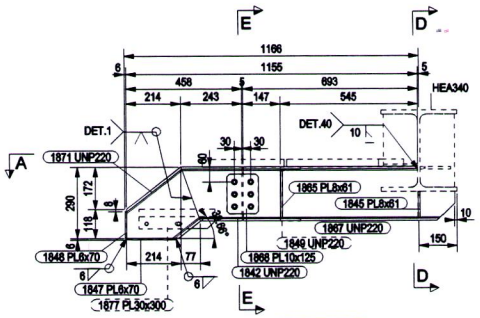
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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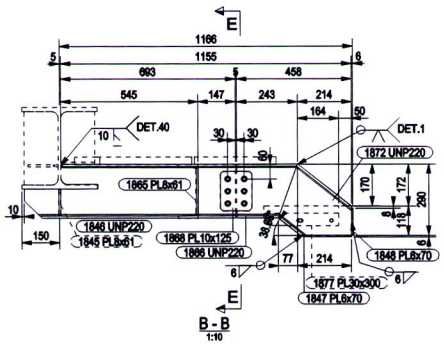
CROSSWIND

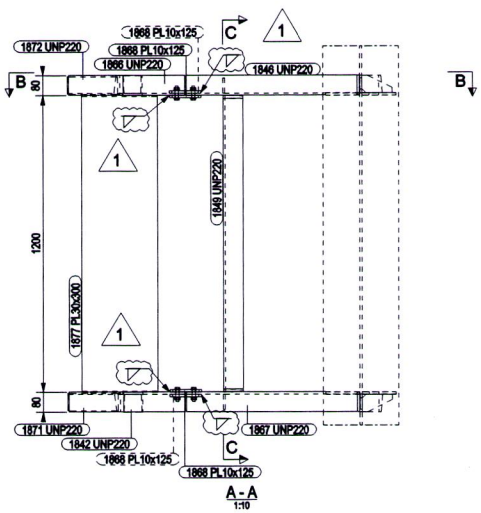
ROSETTI MARINO

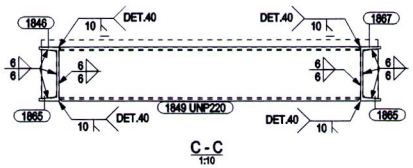
TITLE : BASE LOAD POWER HUB (BLPH)
TP – WALKWAYS & STAIRS BEAMS AT EL. +19230 TOS
MARK CWTPW101 – CWTPW102 – CWTPW107 TO CWTPW110 – CWTPW113 – CWTPW114

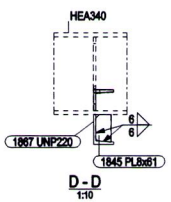
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:10
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 03/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90734		SHEET 001	REV. 0

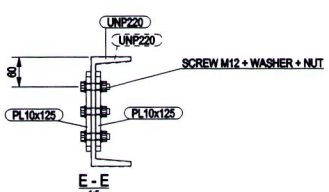






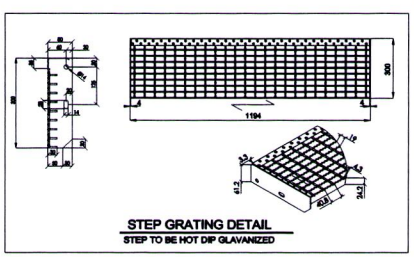


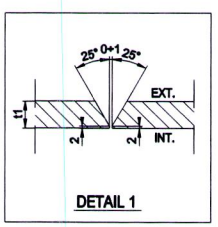


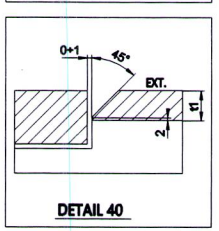


MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPW100	1842	1	UNP220	243	S355J2	5	6.0	0.17	
CWTPW100	1845	2	PL8x61	110	S355J2	5	0.8	0.03	
CWTPW100	1846	1	UNP220	837	S355J2	5	21.7	0.80	
CWTPW100	1847	2	PL6x70	195	S355J2	5	1.3	0.06	
CWTPW100	1848	2	PL6x70	110	S355J2	5	0.7	0.04	
CWTPW100	1849	1	UNP220	1200	S355J2	5	35.1	0.86	
CWTPW100	1865	2	PL8x61	200	S355J2	5	1.5	0.06	
CWTPW100	1866	1	UNP220	243	S355J2	5	6.0	0.17	
CWTPW100	1867	1	UNP220	837	S355J2	5	21.7	0.80	
CWTPW100	1868	4	PL10x125	160	S355J2	5	5.9	0.18	
CWTPW100	1871	1	UNP220	349	S355J2	5	6.6	0.25	
CWTPW100	1872	1	UNP220	349	S355J2	5	6.6	0.25	
CWTPW100	1877	1	GRATING STEP 30x300	1200	S235JR	5	85.7	0.87	
						TOTALE	199.8	4.15	

BILL OF BOLTS				
Q.TY	DENOMINATION	MATERIAL	WEIGHT kg	NOTES
4	SCREW M12*55	CL. 8.8	0.16	HOT DIP GALV.
8	NUT M12	CL. 8	0.08	HOT DIP GALV.
8	WASHER M12	R40	0.03	HOT DIP GALV.



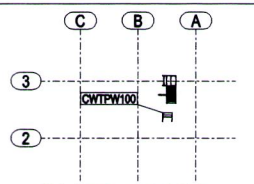




NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
1	08/10/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
0	03/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

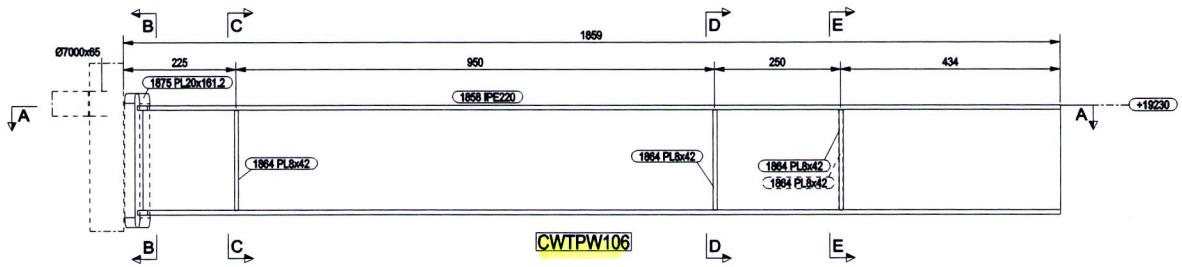
CROSSWIND

ROSETTI MARINO

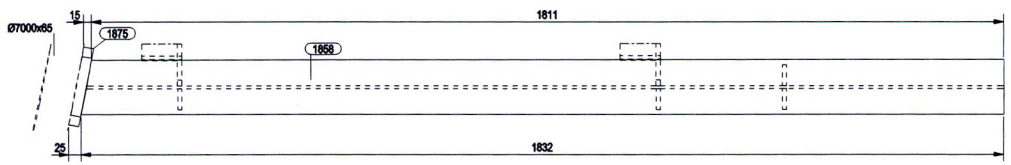
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WALKWAYS & STAIRS – STAIR
MARK CWTPW100

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:10
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 08/10/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90733		SHEET 001	REV. 1

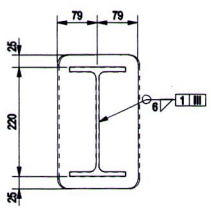
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPW106	1858	1	IPE220	1832	S355J2	4	47.8	1.55	
CWTPW106	1864	4	PL8x42	202	S355J2	4	2.1	0.08	
CWTPW106	1875	1	PL20x161.2	270	S355J2	4	6.8	0.10	
						TOTALE	56.6	1.74	



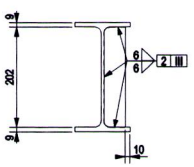
CWTPW106



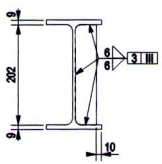
A-A
1:5



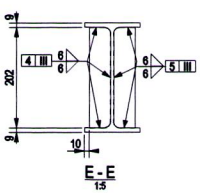
B-B
1:5



C-C
1:5



D-D
1:5

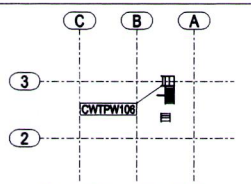


E-E
1:5

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	03/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

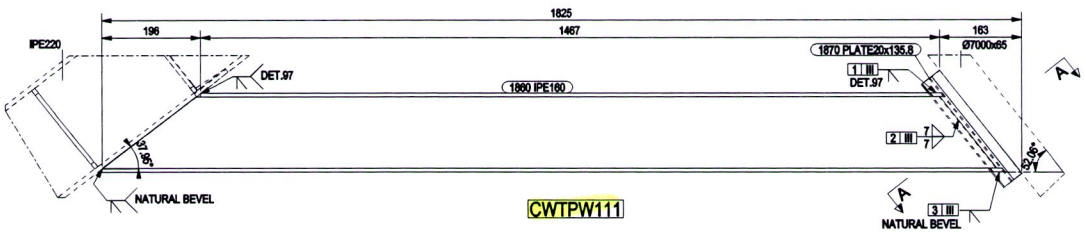
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – WALKWAYS & STAIRS BEAMS AT EL. +19230 TOS
MARK CWTPW106

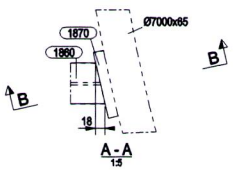
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:5
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 03/09/2024

A1	DRAWING NO. 123A90-FDL-ST-DD-90738	SHEET 001	REV. 0

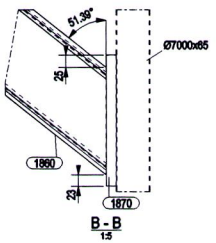
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPW111	1860	1	IPE160	1793	S355J2	4	25.6	1.12	
CWTPW111	1870	1	PLATE20x135.8	265	S355J2	4	5.6	0.09	
CWTPW112	1861	1	IPE160	1765	S355J2	4	25.2	1.10	
CWTPW112	1869	1	PLATE20x134.7	265	S355J2	4	5.6	0.09	
						TOTALE	62.1	2.39	



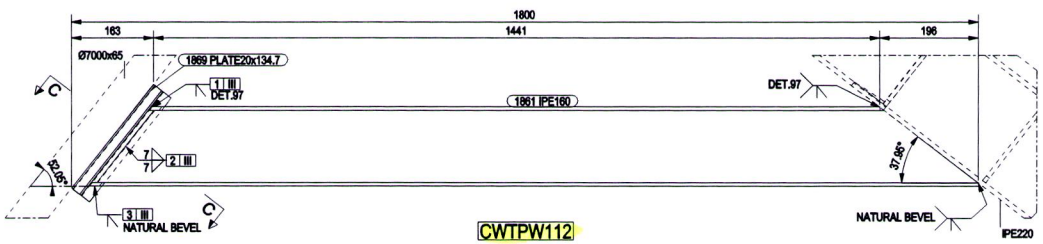
CWTPW111



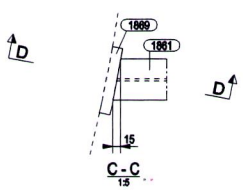
A - A
1:5



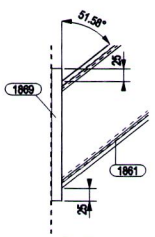
B - B
1:5



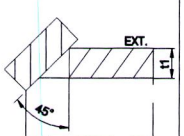
CWTPW112



C - C
1:5



D - D
1:5

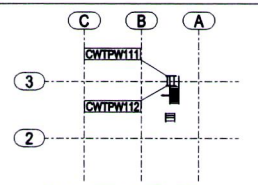


DETAIL 97

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	03/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TP – WALKWAYS & STAIRS BEAMS AT EL. +19230 TOS
MARK CWTPW111 – CWTPW112

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:5
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 03/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90739		SHEET 001	REV. 0

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_09.E	Pages: 5 of 94
Item description: SUPPORT DRAWING PS-71104 / PS-71105 / PS-02621 / PS-02141 / PS-01649 / PS-01648 / PS-01647 / PS-01646 / PS-01070	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 23/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION					
Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 65 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 13 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	19/11/2024 9:00	15,3	65,8	9,0	14,5
Conditioned	19/11/2024 12:00	20,2	52,1	10,1	15,3

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3547111	3614965	3590159	N.A.	
Expiration date:	23/07/2026	23/08/2028	24/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 1023	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	19/11/2024	21/11/2024	22/11/2024	N.A.	
Start / Stop time:	14:00 / 16:00	14:00 / 15:00	11:00 / 12:00	N.A.	
Air temperature:	18,4	18,3	19,3	N.A.	
Surface temperature:	17,1	17,9	18,7	N.A.	
Dew point:	12,0	9,7	10,0	N.A.	
Relative humidity:	66,3	57,2	54,8	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	55/123/88	245/490/300	290/571/459	N.A.	
Inspection date & time:	20/11/2024	22/11/2024	23/11/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO S.p.A. Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_09_E	Issued by: Alex Sanna

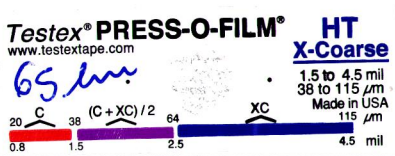
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



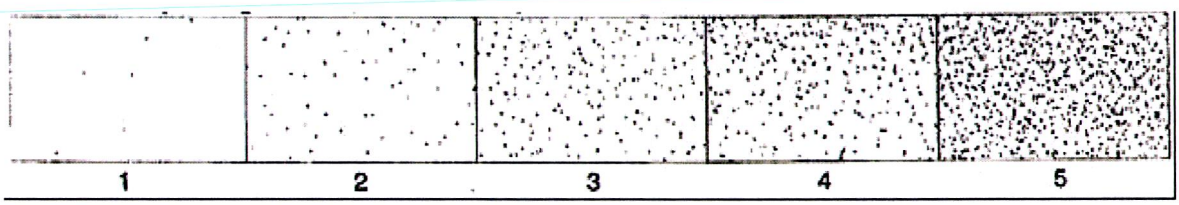
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AnPP 2735		

ALEX SANNA FROSIO CERT. Nr. 7027

Jotun Protects Property

Trieste, 22/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3547111-1-*-1:2-1	23/07/2024	23/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698332010	11/10/2024	10/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 23.07.2024
Batch No: 3547111-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 23.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2685	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	525	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 23.07.2024**

Ates, Muhammet
QC-laboratory

Document number: **76822840**

Analysis number: **4415496**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 24.07.2024
Batch No: 3589589-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 24/08/2024
Batch No: 3614965-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 23/08/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	544	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 24/08/2024**

Karademir, Tamer
QC-laboratory

Document number: **77159733**

Analysis number: **4466532**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 04/09/2024
Batch No: 3598096-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

"This is an electronically generated document and need not any signature or stamp."

Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 25/07/2024
Batch No: 3590159-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 24/07/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	266	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1366	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	200	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641796** Analysis number: **4420118**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 04/10/2024
Batch No: 3657618-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 03/10/2028

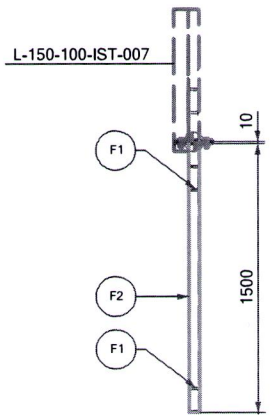
Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

"This is an electronically generated document and need not any signature or stamp."

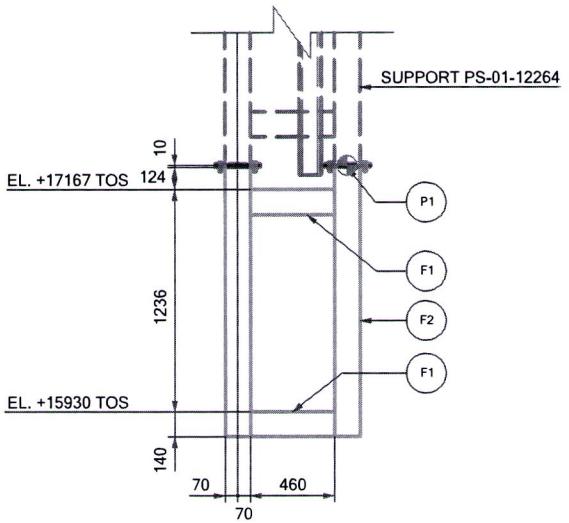
Place and date: **JP(E)Ltd Flix Fact 23/10/2024**

Document number: **77838100**

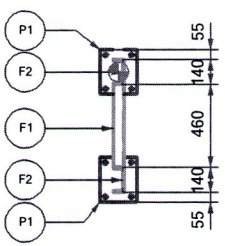
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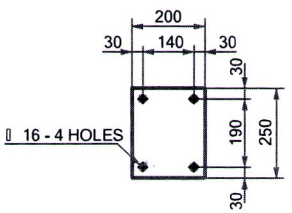
VIEW LOOKING NORTH



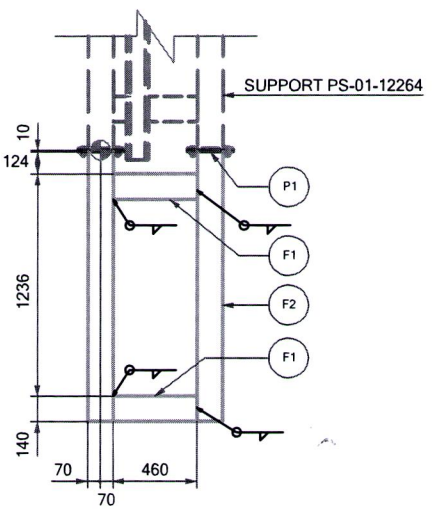
VIEW LOOKING WEST



PLAN VIEW



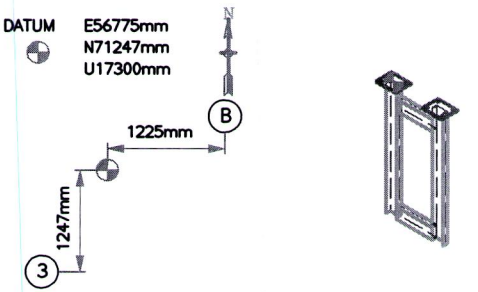
P1-DETAIL



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
F1	BEAM	UPN140	Carbon Steel	460	2	16,01	14,72	0.456
F2	BEAM	UPN140	Carbon Steel	1500	2	16,01	48,02	1.468
P1	PLATE	10	Carbon Steel	200x250	2	-	7,76	0.098
						TOTAL	70,5	2,02



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION

CROSSWIND

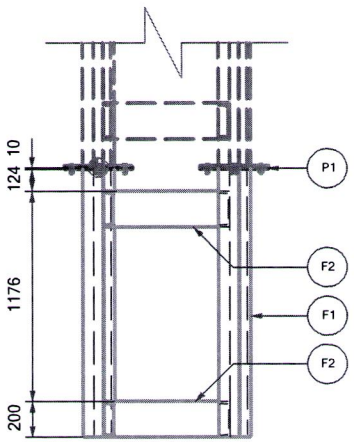
ROSETTI MARINO

TITLE

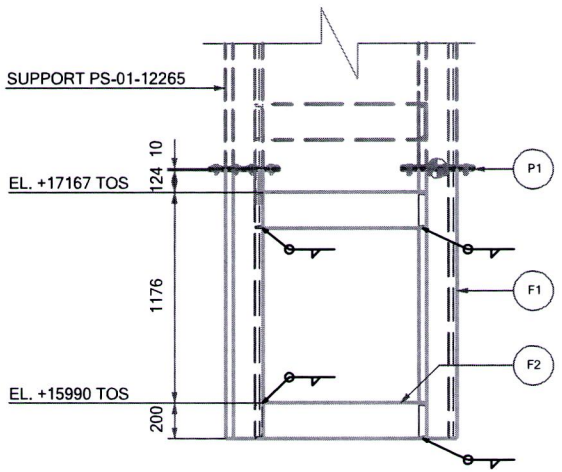
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-71104

CONTRACT NO./TITLE	CWI-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

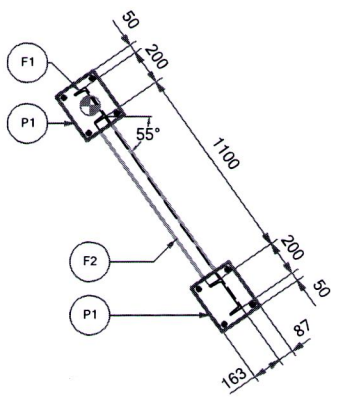
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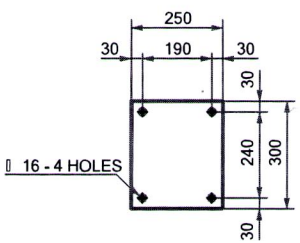
VIEW LOOKING NORTH



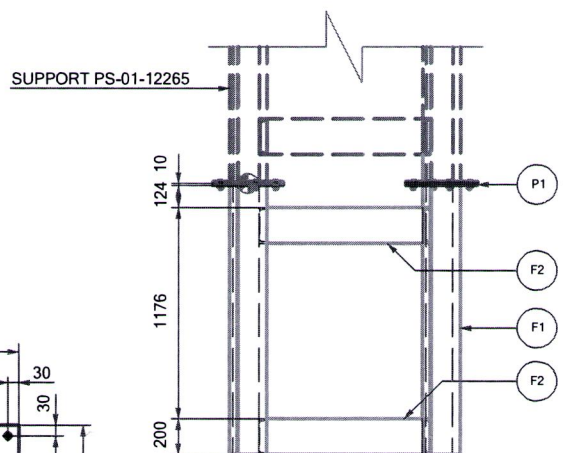
VIEW LOOKING WEST



PLAN VIEW



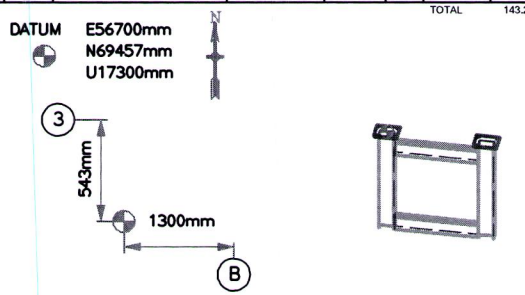
P1-DETAIL



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/m)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
F1	BEAM	UPN200	Carbon Steel	1500	2	25.28	75.86	1.992
F2	BEAM	UPN200	Carbon Steel	1100	2	25.28	55.62	1.464
P1	PLATE	10	Carbon Steel	250x300	2	-	11.68	0.148
						TOTAL	143.2	3.61



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FR CONSTRUCTION

CROSSWIND

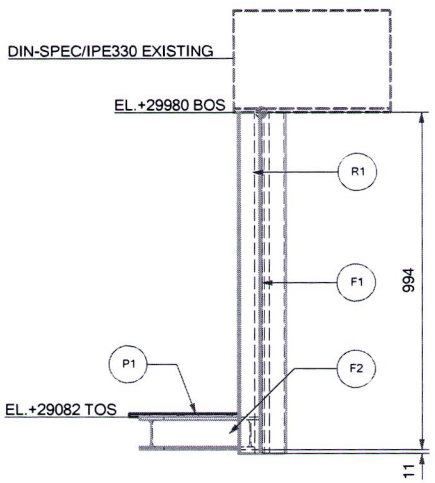
ROSETTI MARINO

TITLE

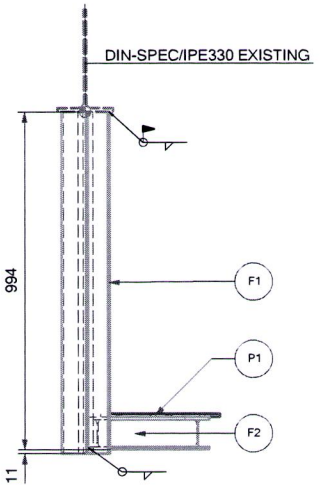
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-71105

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

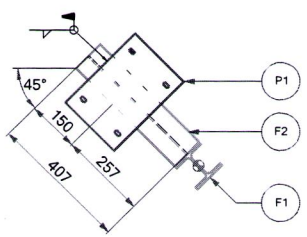
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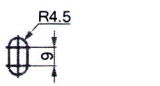
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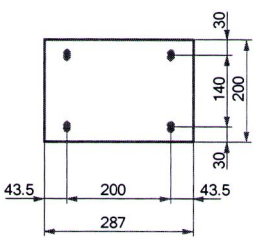
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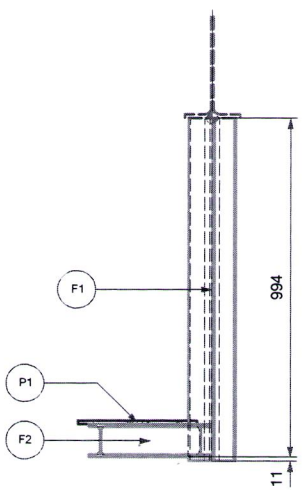
PLAN VIEW



HOLE DETAIL



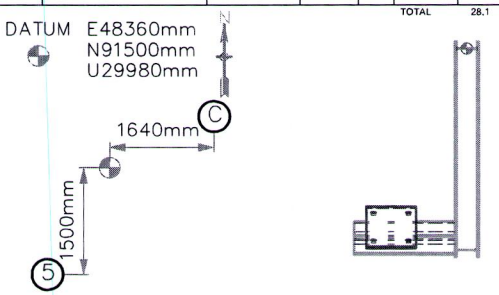
DETAIL-P1



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
F1	BEAM	HEA 100	Carbon Steel	1005	1	16,76	16,85	0,568
F2	BEAM	HEA 100	Carbon Steel	407	1	16,76	6,82	0,233
P1	PLATE	10	Carbon Steel	200x287	1	-	4,46	0,125
						TOTAL	28,1	0,86



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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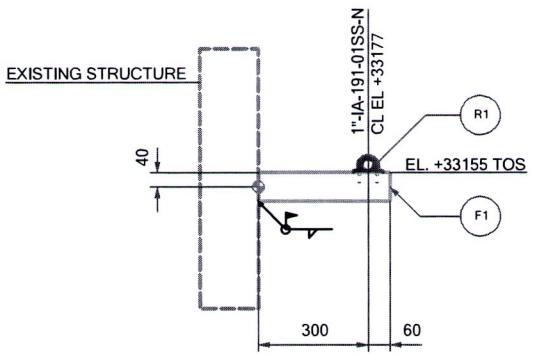
ROSETTI MARINO

TITLE

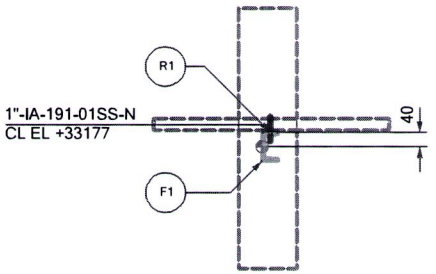
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02621

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:10
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

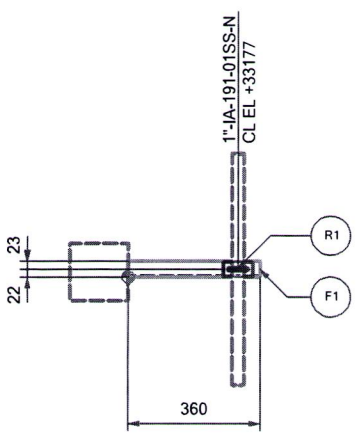
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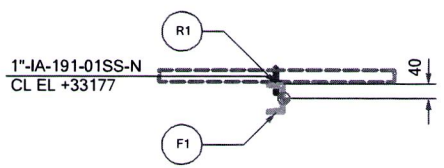
VIEW LOOKING NORTH



VIEW LOOKING WEST



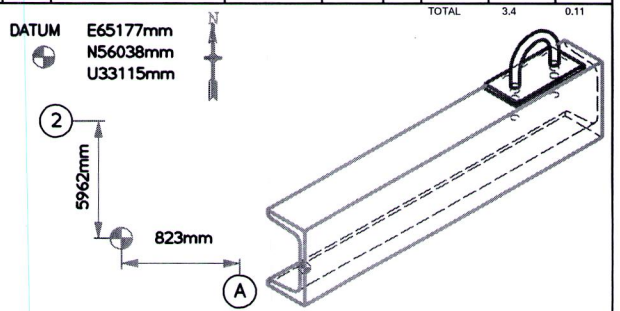
PLAN VIEW



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-211-1"	-	-	1	-	0.29	-
F1	BEAM	UPN80	Carbon Steel	360	1	8.66	3.12	0.115
						TOTAL	3.4	0.11



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION

CROSSWIND

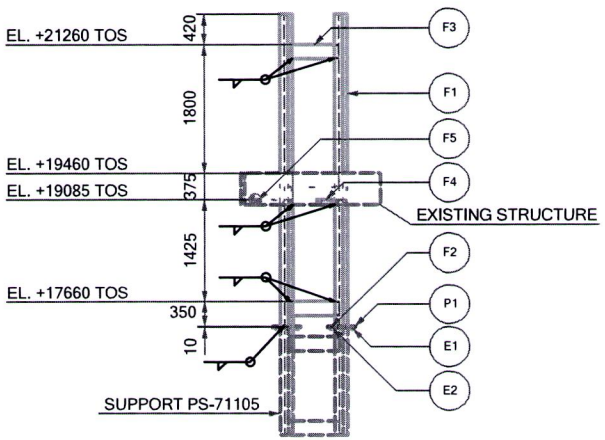
ROSETTI MARINO

TITLE

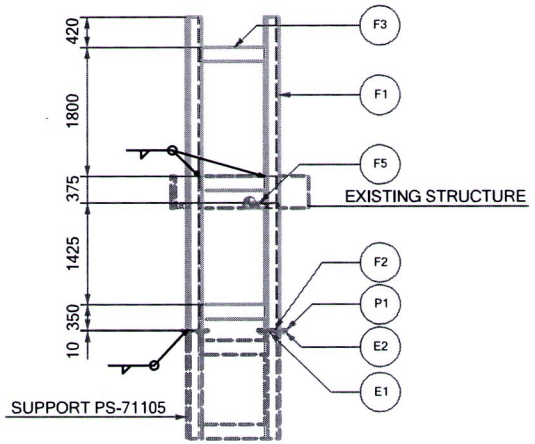
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-02141

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 10
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

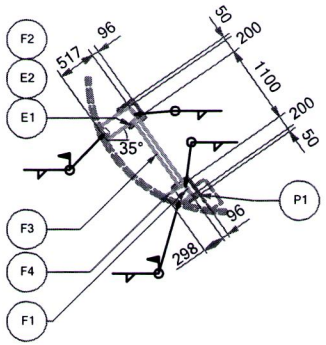
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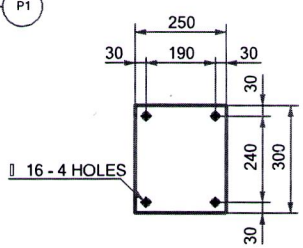
VIEW LOOKING NORTH



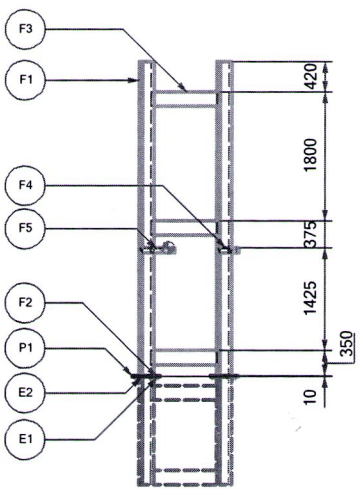
VIEW LOOKING WEST



PLAN VIEW



P1-DETAIL

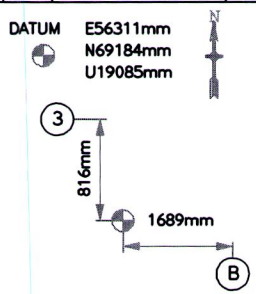


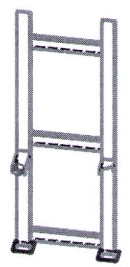
VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
E1	NUT	M14	UNI 5588 Cl. 8.8 H.D.G.	-	8	-	0.24	-
E2	WASHER	M14	UNI 6593 HDG	-	16	-	0.48	-
F1	BEAM	UPN200	Carbon Steel	4370	2	25.28	220.96	5.780
F2	BOLT	M14x48	UNI 5739 Cl. 8.8 HDG	-	8	-	0.64	-
F3	BEAM	UPN200	Carbon Steel	1100	3	25.28	83.43	2.196
F4	BEAM	UPN200	Carbon Steel	298	1	20.04	6.03	0.164
F5	BEAM	UPN200	Carbon Steel	517	1	24.51	12.75	0.339
P1	PLATE	10	Carbon Steel	250x300	2	-	11.68	0.148
						TOTAL	336.1	8.63

DATUM E56311mm
N69184mm
U19085mm





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION

CROSSWIND

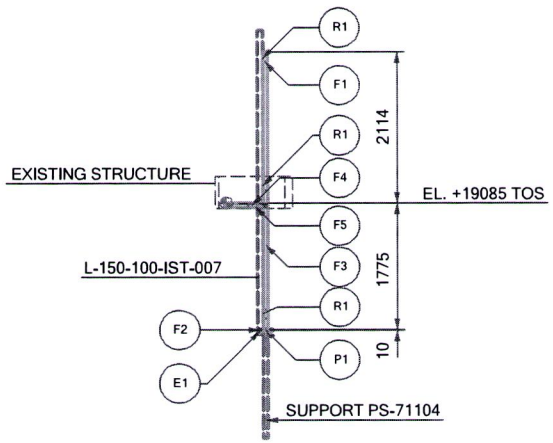
ROSETTI MARINO

TITLE

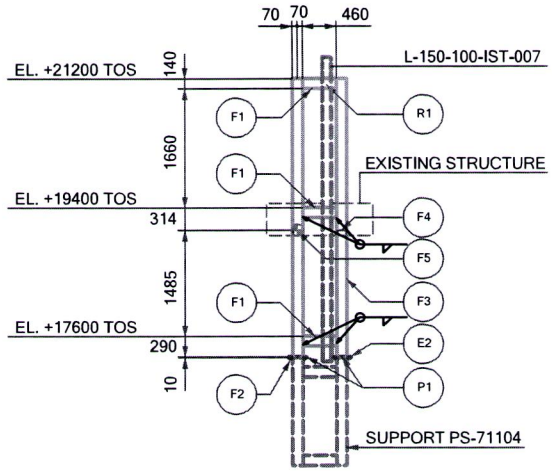
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01649

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE 1 : 50
DRAWN / CHECKED / APPROVED		DATE 04/11/24
DRAWING NO.	123A90-DDL-PP-DD-72000	SHEET 1 of 1 / REV. 01

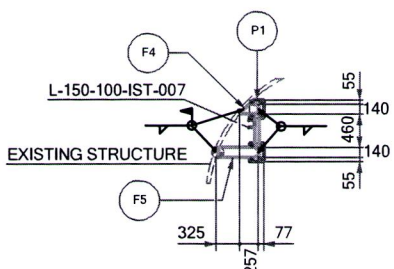
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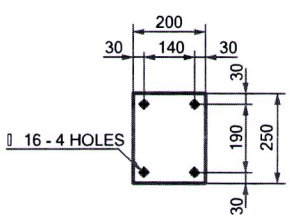
VIEW LOOKING NORTH



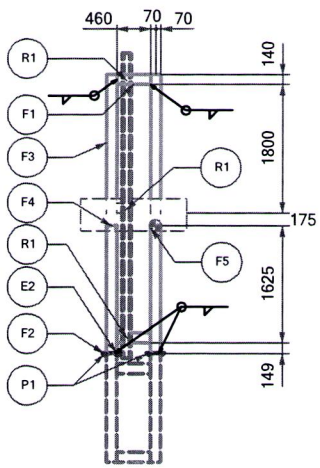
VIEW LOOKING WEST



PLAN VIEW



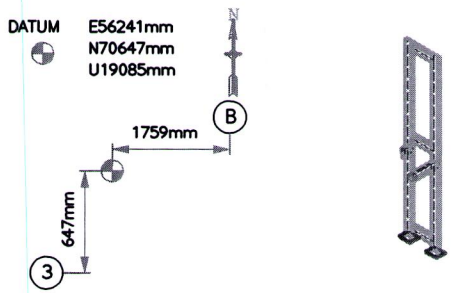
P1-DETAIL



VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	RACK SUPPORT	-	-	3	-	0,00	-
E1	NUT	M14	UNI 5588 CL 8.8 H.D.G.	-	8	-	0,24	-
E2	WASHER	M14	UNI 6593 HDG	-	16	-	0,48	-
F1	BEAM	UPN140	Carbon Steel	450	3	16,01	22,08	0,684
F2	BOLT	M14x48	UNI 5739 CL 8.8 HDG	-	8	-	0,64	-
F3	BEAM	UPN140	Carbon Steel	3889	2	16,01	124,52	3,796
F4	BEAM	UPN140	Carbon Steel	257	1	12,35	3,18	0,101
F5	BEAM	UPN140	Carbon Steel	582	1	15,31	8,92	0,275
P1	PLATE	10	Carbon Steel	200x250	2	-	7,76	0,098
						TOTAL	167,7	4,96



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION

CROSSWIND

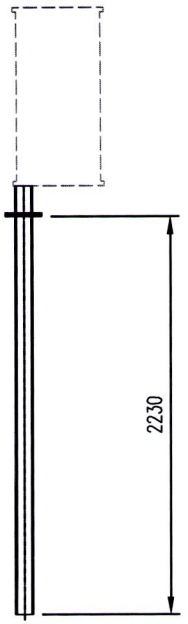
ROSETTI MARINO

TITLE

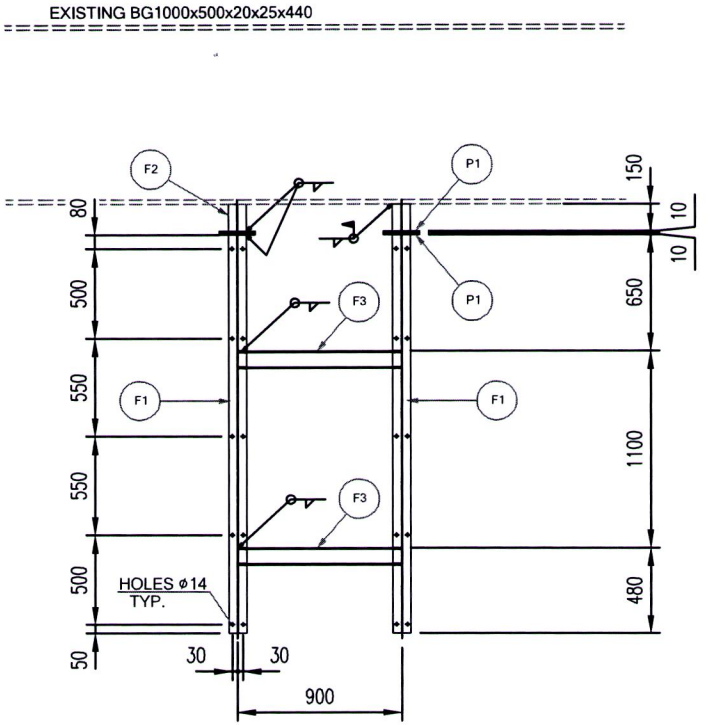
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01648

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 50
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

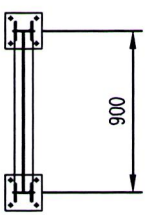
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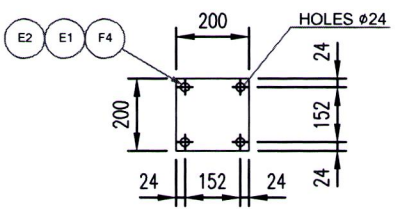
VIEW LOOKING NORTH



VIEW LOOKING WEST



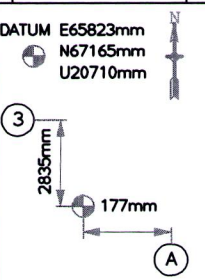
PLAN VIEW

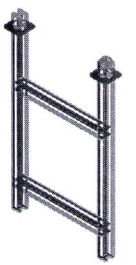


DETAIL-P1

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
F1	BEAM	HEA100	Carbon Steel	2230	2	16.76	74.76	2.510
F2	BEAM	HEA100	Carbon Steel	150	2	16.76	5.02	0.176
F3	BEAM	HEA100	Carbon Steel	900	2	16.76	30.06	1.012
F4	BOLT	M24x80	Uni 5739 CL 8.8 HDG	-	8	0.45	3.60	0.00
E1	NUT	M24	Uni 5588 CL 8.8 HDG.	-	16	0.11	1.76	0.00
E2	WASHER	M24	Uni 6593 HDG	-	8	0.03	0.26	0.00
P1	PLATE	10	Carbon Steel	200x200	4	15.70	12.56	0.32
						TOTAL	128.0	4.13





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSRUCTION

CROSSWIND

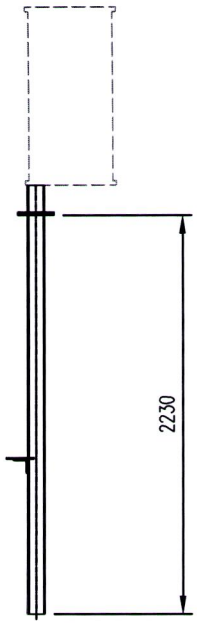
ROSETTI MARINO

TITLE

BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01647

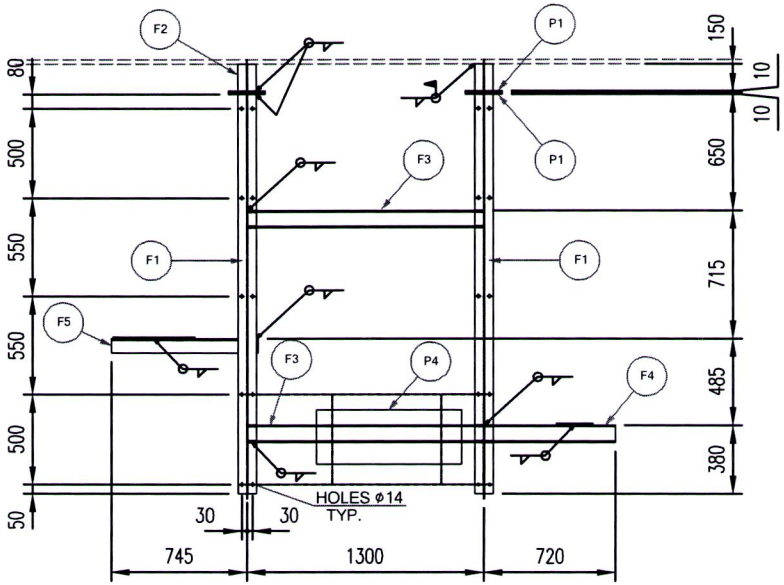
CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1 : 20
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-OD-72000			SHEET 1 of 1 / REV. 01

File Name

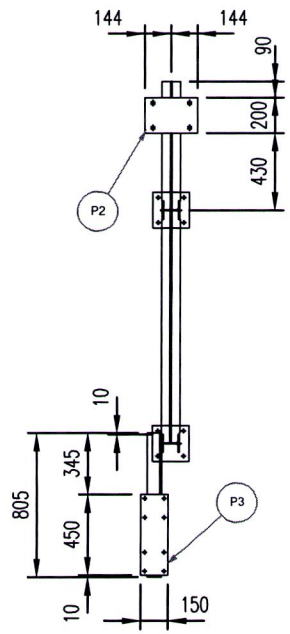


VIEW LOOKING NORTH

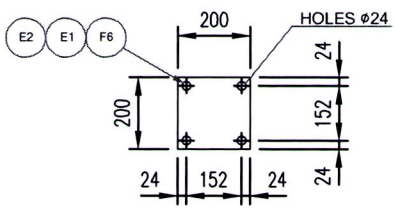
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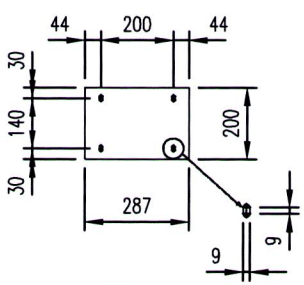
VIEW LOOKING WEST



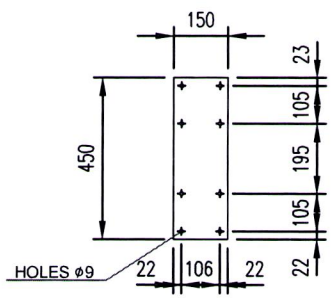
PLAN VIEW



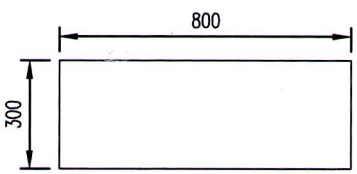
DETAIL-P1



DETAIL-P2



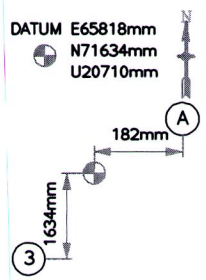
DETAIL-P3

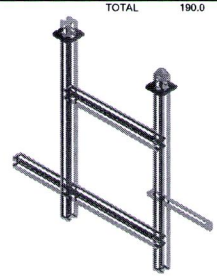


DETAIL-P4
TO BE PLACED IN FIELD

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
F1	BEAM	HEA100	Carbon Steel	2230	2	16,76	74,76	2,510
F2	BEAM	HEA100	Carbon Steel	150	2	16,76	5,02	0,176
F3	BEAM	HEA100	Carbon Steel	1300	2	16,76	43,58	1,466
F4	BEAM	HEA100	Carbon Steel	720	1	16,76	12,07	0,408
F5	BEAM	L80x8	Carbon Steel	805	1	9,63	7,75	0,253
F6	BOLT	M24x80	Uni 5739 Cl. 8.8 HDG	-	8	0,45	3,60	0,00
E1	NUT	M24	Uni 5588 Cl. 8.8 HDG.	-	16	0,11	1,76	0,00
E2	WASHER	M24	Uni 6593 HDG	-	8	0,03	0,26	0,00
P1	PLATE	10	Carbon Steel	200x200	4	15,70	12,56	0,32
P2	PLATE	10	Carbon Steel	287x200	1	15,70	4,51	0,11
P3	PLATE	10	Carbon Steel	450x150	1	35,33	5,30	0,14
P4	PLATE	10	Carbon Steel	800x300	1	62,80	18,84	0,48
						TOTAL	190,0	5,86





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSRUCTION

CROSSWIND

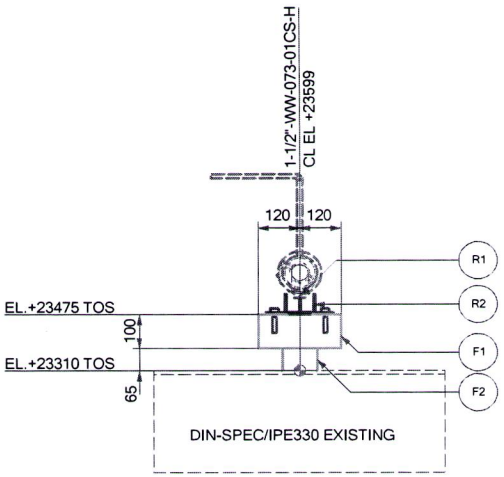
ROSETTI MARINO

TITLE

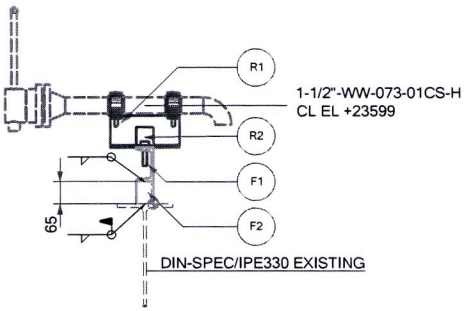
BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01646

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE 1 : 20
DRAWN / CHECKED / APPROVED		DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-OD-72000		SHEET 1 of 1 / REV. 01

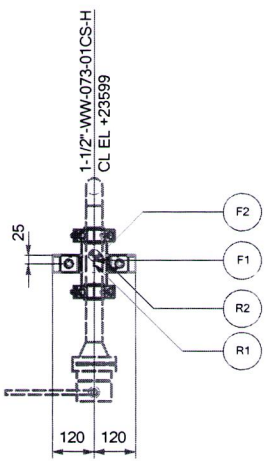
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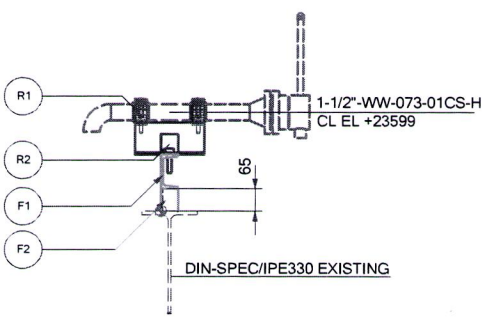
VIEW LOOKING NORTH



VIEW LOOKING WEST



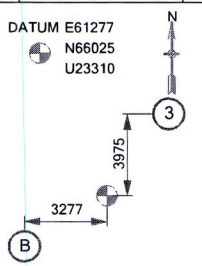
PLAN VIEW

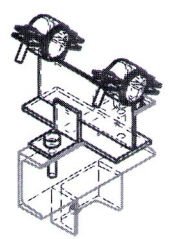


VIEW LOOKING EAST

SUPPORT MATERIAL LIST

POS.	TYPE	DESCRIPTION	MATERIAL	LENGHT (mm)	Q.TY (n°)	UNIT WEIGHT (Kg/mt)	TOTAL WEIGHT (Kg)	PAINT SURF. (m2)
R1	STD	S-54-1.1/2"-100-200	-	-	1	-	4.00	0.108
R2	STD	C-34-1-1-2	-	-	1	-	2.04	0.023
F1	BEAM	UPN100	Carbon Steel	240	1	10.57	2.54	0.092
F2	BEAM	UPN100	Carbon Steel	65	1	10.57	0.69	0.027
						TOTAL	9.3	0.25





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/11/24	MMA	SLO	DLO	ACCEPTED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE

BASE LOAD POWER HUB (BLPH)
Support Drawings
PS-01070

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:10
DRAWN	CHECKED	APPROVED	DATE 04/11/24
DRAWING NO. 123A90-DDL-PP-DD-72000			SHEET 1 of 1 / REV. 01

File Name

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_09_A-B-C-D-E	Pages: 6 of	94
Item description: SUPPORT DROWING & WALKWAYS & STAIRS BEAM	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna	Issue date:	23/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED

NAME / DESCRIPTION:	QUANTITY	DWG / LIST
SUPPORT DROWING PS-01058 / PS-01517 / PS-01525 / PS-01537 / PS-01540 / PS-02506 / PS-03019 / PS-03514	1	123A90-DDL-PP-DD-72000
SUPPORT DRAWING PS-03039 / PS-03070 / PS-03036 / PS-01600 / PS-02538 / PS-02547 / PS-02005 / PS-02004	1	123A90-DDL-PP-DD-72000
SUPPORT DROWING PS-01026 / PS-01053 / PS-02009 / PS-02010 / PS-02041 / PS-02046 / PS-02090 / PS-03030 / PS-03547 / PS-03577 / PS-03595 / PS-71002	1	123A90-DDL-PP-DD-72000
WALKWAYS & STAIRS BEAM AT EL. +19230 TOS / TP - WALKWAYS & STAIR	1	123A90-FDL-ST-DD-90733 / 123A90-FDL-ST-DD-90734 / 123A90-FDL-ST-DD-90735 / 123A90-FDL-ST-DD-90736 / 123A90-FDL-ST-DD-90737 / 123A90-FDL-ST-DD-90738 / 123A90-FDL-ST-DD-90739
SUPPORT DRAWING PS-71104 / PS-71105 / PS-02621 / PS-02141 / PS-01649 / PS-01648 / PS-01647 / PS-01646 / PS-01070	1	123A90-DDL-PP-OD-72000 / 123A90-DDL-PP-DD-72000

RISULTATI: **CONFORME** ☐ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore Snam	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	G. BIANCO	
Firma				

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_09_	Pages: 6 of	94
Item description: SUPPORT DROWING & WALKWAYS & STAIRS BEAM	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna	Issue date:	23/11/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED

NAME / DESCRIPTION:	QUANTITY	DWG / LIST
SUPPORT DROWING PS-01058 / PS-01517 / PS-01525 / PS-01537 / PS-01540 / PS-02506 / PS-03019 / PS-03514	1	123A90-DDL-PP-DD-72000
SUPPORT DRAWING PS-03039 / PS-03070 / PS-03036 / PS-01600 / PS-02538 / PS-02547 / PS-02005 / PS-02004	1	123A90-DDL-PP-DD-72000
SUPPORT DROWING PS-01026 / PS-01053 / PS-02009 / PS-02010 / PS-02041 / PS-02046 / PS-02090 / PS-03030 / PS-03547 / PS-03577 / PS-03595 / PS-71002	1	123A90-DDL-PP-DD-72000
WALKWAYS & STAIRS BEAM AT EL. +19230 TOS / TP - WALKWAYS & STAIR	1	123A90-FDL-ST-DD-90733 / 123A90-FDL-ST-DD-90734 / 123A90-FDL-ST-DD-90735 / 123A90-FDL-ST-DD-90736 / 123A90-FDL-ST-DD-90737 / 123A90-FDL-ST-DD-90738 / 123A90-FDL-ST-DD-90739
SUPPORT DRAWING PS-71104 / PS-71105 / PS-02621 / PS-02141 / PS-01649 / PS-01648 / PS-01647 / PS-01646 / PS-01070	1	123A90-DDL-PP-OD-72000 / 123A90-DDL-PP-DD-72000

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	[redacted]	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	[redacted]	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number:	B_10.A	Pages:	1 of 38
Item description:	TP - HANDRAILS MARK CWGTP001-CWHTP007- CWHTP006-CWHTP005-CWHTP004-CWHTP003-CWHTP002-CWHTP001-CWGTP008 ; STD. DRAWINGS LADDERS DWG 123A90-DDL-ST-DD-90036 ; STANCHION REMOVIBLE DRAWING 123A90-SK-023-02_REV0	Applicable Procedure:	123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna		Issue date:	14/12/2024
Applicable ITP:	123A90-PML-QHSE-ITP-00074	Reference DWG:	See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1.	60 µm
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 15,2 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	09/12/2024 7:30	10,1	73,4	5,6	9,8
Conditioned	09/12/2024 15:00	15,1	72,2	10,1	14,8

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3583470	3607509	3574432	N.A.	
Expiration date:	18/07/2026	21/08/2026	17/07/2028	N.A.	
Batch Parte B:	3589589	3598096	3657618	N.A.	
Expiration date:	24/07/2026	03/09/2028	03/10/2028	N.A.	
Color:	Grey	GREY	RAL 1023	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	09/12/2024	11/12/2024	13/12/2024	N.A.	
Start / Stop time:	16:00 / 19:30	8:30 / 12:00	8:00 / 12:00	N.A.	
Air temperature:	15,3	14,2	13,1	N.A.	
Surface temperature:	15,0	14,0	12,7	N.A.	
Dew point:	9,9	8,3	6,7	N.A.	
Relative humidity:	70,1	67,8	64,9	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	51/121/76	214/318/275	280/415/368	N.A.	
Inspection date & time:	10/12/2024	12/12/2024	14/12/2024	N.A.	

Holiday test:	Performed ☑	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☑	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. Sanna	A. Renesto		
Firma	ALEX SANNA IVAN FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90
Annex n.1/ Doc. B_10_A	Issued by: Alex Sanna

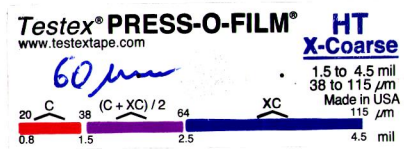
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



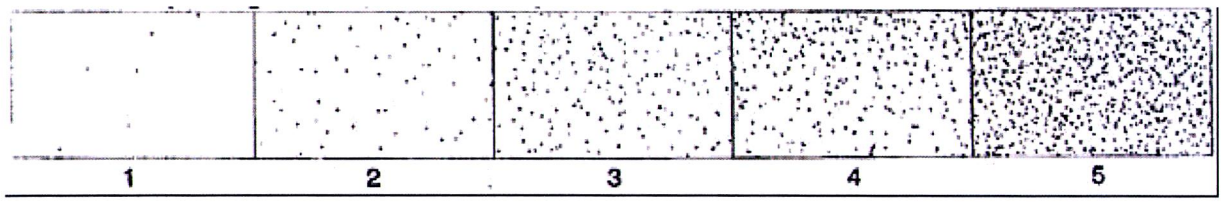
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA CERT. Nr. 7027 FROSIO	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_10.B	Pages: 2 of 38
Item description: TP - HANDRAILS MARK: CWTPH007 ; CWTPH008 ; CWTPH011 ; CWTPH012 ; CWTPH014 ; CWTPH022 ; CWTPH018 ; CWTPH025 ; CWTPH024 ; CWTPH021 ; CWTPH020 ; CWTPH019 ; CWTPH017 ; CWTPH016 ; CWTPH015 ; CWTPH013 ; CWTPH010 ; CWTPH009 ; CWTPH006 ; CWTPH005 ; CWTPH004 ; CWTPH002 ; CWTPH001 ; CWTPH003 ; CWTPH023 ;	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 20/12/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: GARNET 30/60 MESH		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 38 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 10,8 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	17/12/2024 8:00	9,8	70,4	4,7	9,1
Conditioned	17/12/2024 12:30	10,8	64,0	4,3	10,2

Coating System Nº 6A	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	PENGUARD PRIMER	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3706200	3607509	3574432	N.A.	
Expiration date:	06/11/2026	21/08/2026	17/07/2028	N.A.	
Batch Parte B:	3676286	3598096	3657618	N.A.	
Expiration date:	08/10/2028	03/09/2028	03/10/2028	N.A.	
Color:	RED	GREY	RAL 1023	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	17/12/2024	18/12/2024	19/12/2024	N.A.	
Start / Stop time:	13:00 / 15:00	8:00 / 11:00	8:00 / 10:30	N.A.	
Air temperature:	10,3	9,1	10,1	N.A.	
Surface temperature:	10,0	8,8	9,8	N.A.	
Dew point:	3,3	2,5	4,3	N.A.	
Relative humidity:	61,6	63,3	67,4	N.A.	
Wet film thickness:	100	140	100	N.A.	
DFT Min/Max/Av [µm]:	45/91/73	141/263/176	212/394/259	N.A.	
Inspection date & time:	18/12/2024	19/12/2024	20/12/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:	
Risultato:	OK ☐	Not OK ☐		

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA Tecnico Prosio CERT. Nr. 702	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. B_10_B	Issued by: Alex Sanna

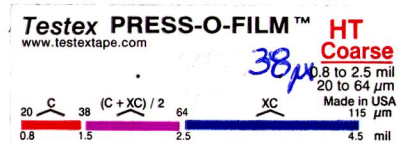
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



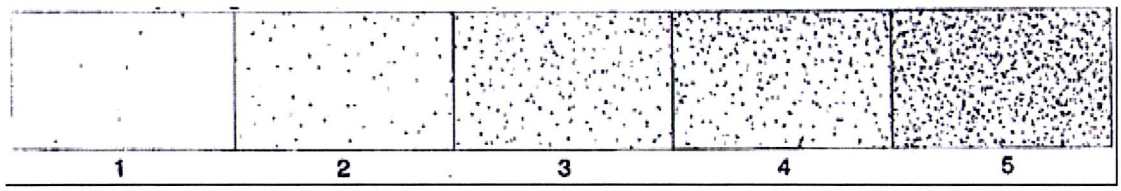
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AnPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: B_10_	Pages: 3 of	38
Item description: SUPPORT DROWING & WALKWAYS & STAIRS BEAM	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna	Issue date:	20/12/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED

NAME / DESCRIPTION:	QUANTITY	DWG / LIST
TP - HANDRAILS MARK CWGTP001-CWHTP007- CWHTP006- CWHTP005-CWHTP004-CWHTP003-CWHTP002-CWHTP001-CWGTP008 ; STD. DRAWINGS LADDERS DWG 123A90-DDL-ST-DD-90036 ; STANCHION REMOVIBLE DRAWING 123A90-SK-023-02_REV0	1	123A90-SK031 ; 123A90-SK029 ; 123A90-SK030 ; 123A90-DDL-ST-DD-90036 ; 123A90-SK-023-02_REV0
TP - HANDRAILS MARK: CWTPH007 ; CWTPH008 ; CWTPH011 ; CWTPH012 ; CWTPH014 ; CWTPH022 ; CWTPH018 ; CWTPH025 ; CWTPH024 ; CWTPH021 ; CWTPH020 ; CWTPH019 ; CWTPH017 ; CWTPH016 ; CWTPH015 ; CWTPH013 ; CWTPH010 ; CWTPH009 ; CWTPH006 ; CWTPH005 ; CWTPH004 ; CWTPH002 ; CWTPH001 ; CWTPH003 ; CWTPH023 ;	1	123A90-FDL-ST-DD-90612 ; 123A90-FDL-ST-DD-90611 ; 123A90-FDL-ST-DD-90614 ; 123A90-FDL-ST-DD-90615 ; 123A90-FDL-ST-DD-90617 ; 123A90-FDL-ST-DD-90749 ; 123A90-FDL-ST-DD-90747 ; 123A90-FDL-ST-DD-90750 ; 123A90-FDL-ST-DD-90748 ; 123A90-FDL-ST-DD-90618 ; 123A90-FDL-ST-DD-90616 ; 123A90-FDL-ST-DD-90610 ; 123A90-FDL-ST-DD-90609 ; 123A90-FDL-ST-DD-90613 ; 123A90-FDL-ST-DD-90608 ; 123A90-FDL-ST-DD-90607 ;

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	~~Ispettore Snam~~	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	~~A. BIANCO~~	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. Anpp 2735		

ALEX SANNA FROSIONE CERT. Nr. 7027

Jotun Protects Property

Trieste, 28/11/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP, COMP B 1.8L	3707357-1-*-1:3	06/11/2024	05/11/2028
HARDTOP XP RAL 9002 16,47L	3698426-1-*-1:2	14/11/2024	13/11/2028
HARDTOP XP RAL 9002 16,47L	3713657-1-*-1:2	15/11/2024	14/11/2028
BARRIER 80 S, EU COMP B 1.25L	3590157-1-*-1:2-1	27/08/2024	27/08/2026
BARRIER 80 S GREY A 7.5L	3590161-1-*-1:2-3	05/08/2024	05/08/2026
BARRIER 80 S GREY A 7.5L	3616685-1-*-1:2-3	29/08/2024	29/08/2026
BARRIER 80 S GREY A 7.5L	3628372-1-*-1:2-3	30/08/2024	30/08/2026
BARRIER 80 S GREY A 7.5L	3683231-1-*-1:2-3	22/10/2024	22/10/2026
EPOXY HR ALUMINIUM CPA 16.3L	3617135-1-*-1:2	05/09/2024	05/09/2026
PENGUARD PRIMER RED A 16L	3706200-1-*-1:2-1	06/11/2024	06/11/2026
PENGUARD PRIMER RED A 16L	3639186-1-*-1:2-2	11/09/2024	11/09/2026
EPOXY HR, COMP B 2.5L	3591251-1-*-1:3	25/07/2024	25/07/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9698988010	23/10/2024	22/10/2028
PENGUARD UNI, COMP B 5L	3683147-1-*-1:2-1	18/10/2024	17/10/2028
PENGUARD UNI GREY A 15L	3699539-1-*-1:2-1	07/11/2024	06/11/2028
PENGUARD, COMP B 4L	3676286-1-*-1:2	09/10/2024	08/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD PRIMER RED A 4L
Colour:
Production Date: 06/11/2024
Batch No: 3706200-1-*-1:3
Product Code: 0FCREDEVA
Best Before Date : 06/11/2026

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	325	200 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	219	130 - 220 cP
DENSITY-PYKNOMETER/ISO 2811-1	1331	1327 - 1377 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 4 h
GRINDOMETER/ISO 1524	50	- 50 um

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Place and date: **Cerkezköy Fact 06/11/2024**

Koca, Hakan
QC-laboratory

Document number: **78012525**

Analysis number: **4599080**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD COMP. B
Colour:
Production Date: 09/10/2024
Batch No: 3676286-1-*-1
Product Code: 0JXCPB
Best Before Date : 08/10/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	940	930 - 950 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 29/11/2024**

Document number: **78292875**

Analysis number: **4537565**

Trieste, 07/10/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:

IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP, COMP B 1.8L	3626772-1-*-1:2	30/08/2024	29/08/2028
PENGUARD UNI GREY A 15L	3607509-1-*-1:2-2	22/08/2024	21/08/2028
HARDTOP XP RAL 7035 A 18.2L	3590159-1-*-1:2	25/07/2024	24/07/2028
BARRIER 80 S GREY A 7.5L	3583470-1-*-1:2	18/07/2024	18/07/2026
BARRIER 80 S, EU COMP B 1.25L	3589589-1-*-1:2-1	24/07/2024	24/07/2026
JOTUN THINNER NO. 10 20L	01D9697354005	25/09/2024	24/09/2028
JOTUN THINNER NO. 17 (IT) 20L	01D9697354010	25/09/2024	24/09/2028
PENGUARD UNI, COMP B 5L	3598096-1-*-1:2-2	04/09/2024	03/09/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 25/07/2024
Batch No: 3583470-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 25/07/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2620	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	141	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 07/10/2024**

Document number: **77641664** Analysis number: **4407967**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI GREY A 15L
Colour:	
Production Date:	8/22/2024
Batch No:	3607509-1-*-1:2
Product Code:	0R5GRERVA
Best Before Date :	8/21/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	800	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	714	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1537	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 8/23/2024**

Inan, Semih
QC-laboratory

Document number: **77148452**

Analysis number: **4464678**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	04/09/2024
Batch No:	3598096-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	03/09/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **Cerkezköy Fact 05/09/2024**

Karademir, Tamer
QC-laboratory

Document number: **77291518**

Analysis number: **4488564**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	24.07.2024
Batch No:	3589589-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	24.07.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	926	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 24.07.2024**

Karademir, Tamer
QC-laboratory

Document number: **76836595**

Analysis number: **4415672**

Jotun Italia Srl

Via O. Petronio 8
34015 MUGGIA, ITALY

JOTUN

Documento di trasporto

3131133653193565378 1-1-W15433204-W15433204

DESTINATARIO MERCE:

IMPRESA DONELLI SRL
C/O ROSETTI MARINO, Att. Sig. Sanna
VIA DEL MARCHESATO,37
48122 RAVENNA
RA
ITALY

DATA di CONSEGNA
31 LUG. 2024
ESIBITO

INTESTATARIO FATTURA:

IMPRESA DONELLI SRL
VIA F.LLI CERVI, 7
20025 LEGNANO
MI
ITALY

NUM. DT
13365319
DATA D.D.T.
30.07.2024
NUM. BOLLA ACC.:
ITTF-202404041

Codice Cliente:	NUM. ORD. CLIENTE	DATA ORDINE	NUM. IMO	Azienda	Num. Ordine	Pagina
320483	1095/RA -CDA	30.07.2024		31	W15433204	1 / 2
SPEDITO DA MAGAZZINO	TRASPORTATORE	DATA SPEDIZIONE	INCOTERM		Numero Pallet	Num. Imb.
ITTF	ARCO SPEDIZIONI S.P.A.	30.07.2024	DAP		5	5

SPECIAL NOTE
consegna espressa 31/07

N.	Codice Prodotto	Descrizione	Numero Lotto Prod.	Rif. Imballaggio	Pz.	Q.tà in Litri	Q.tà in Kg
1	0UVPGAX20	HARDTOP XP RAL 1023 16,57L	W15433204-5-2-1	380999900000559059	8	132.56	171.20
2	0UVCPBBTA	HARDTOP XP, COMP B 1.8L	3569151-1-*-1:2	380999900000559059	8	14.40	16.27
3	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559011	33	495.00	739.20
4	0B5NWHRVA	PENGUARD PRO GF OFF WH A 15L	3572682-1-*-1:2-1	380999900000559035	17	255.00	380.80
5	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	50	250.00	242.50
6	0B5A85RVA	PENGUARD PRO GF RAL 1023 A 15L	3572677-1-*-1:2-1	380999900000559028	25	375.00	547.50
7	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	25	125.00	121.25
8	0B5903RVA	PENGUARD PRO GF RAL 1004 A 15L	3572663-1-*-1:2-1	380999900000559035	13	195.00	284.70
9	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3470056-1-*-1:2-1	380999900000559059	8	40.00	38.80
10	0B4CPBFVA	PENGUARD PRO, COMP B 5L	3474508-1-*-1:2-2	380999900000559042	5	25.00	24.25

TRANSPORTER COPY

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP BASE 5 A 16.4L
Colour:
Production Date: 18/07/2024
Batch No: 3574432-1-*-1:2
Product Code: 0UVBA5SPA
Best Before Date : 17/07/2028

Test	Result	Min - Max
COLOUR/STRENGTH MCI-BASE/DIN 53234	101.8	92 - 104 *
COLOUR/STRENGTH MCI-BASE/DIN 53234	1	- 1 *
CONE 0-10 P AT 23 DEG.C/ISO 2884	400	250 - 450 cP
DENSITY-PYKNOMETER/ISO 2811-1	1249	1221 - 1261 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 5 h
GRINDOMETER/ISO 1524	20	- 20 um
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	73.14	70 - 74 %
POTLIFE AT 23 DEG.C	1.5	1.5 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/09/2024**

Document number: **77516308**

Analysis number: **4390471**

Jotun Protects Property

Trieste, 06/11/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
PENGUARD UNI GREY A 15L	3614965-1-*-1:2-3	24/08/2024	23/08/2028
PENGUARD UNI, COMP B 5L	3674960-1-*-1:2-1	12/10/2024	11/10/2028
HARDTOP XP RAL 7035 A 18.2L	3648376-1-*-1:2	30/09/2024	29/09/2028
PENGUARD UNI, COMP B 5L	3644198-1-*-1:2-2	25/09/2024	24/09/2028
HARDTOP XP, COMP B 1.8L	3657618-1-*-1:2	04/10/2024	03/10/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
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34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 04/10/2024
Batch No: 3657618-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 03/10/2028

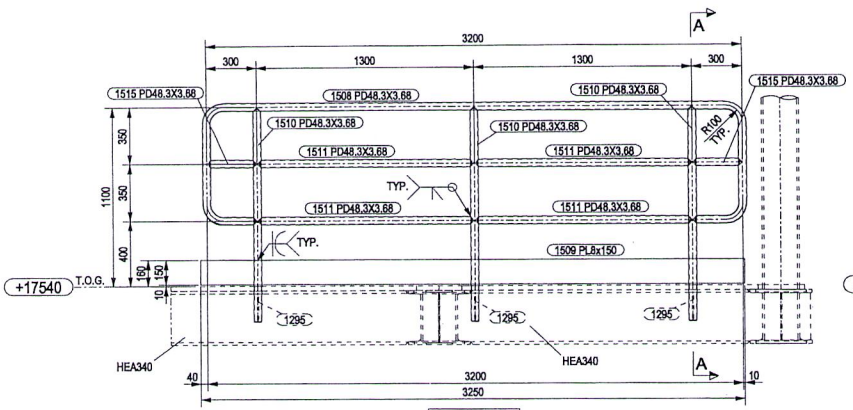
Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	622	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1130	1110 - 1150 kg/m3
NON-VOLAT/PAINT/UNSAT.POL/ISO 3251	89.308	88 - 92 %

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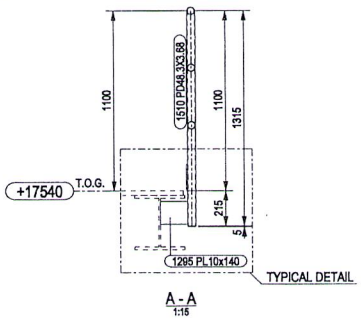
Place and date: **JP(E)Ltd Flix Fact 28/10/2024**

Document number: **77894865**

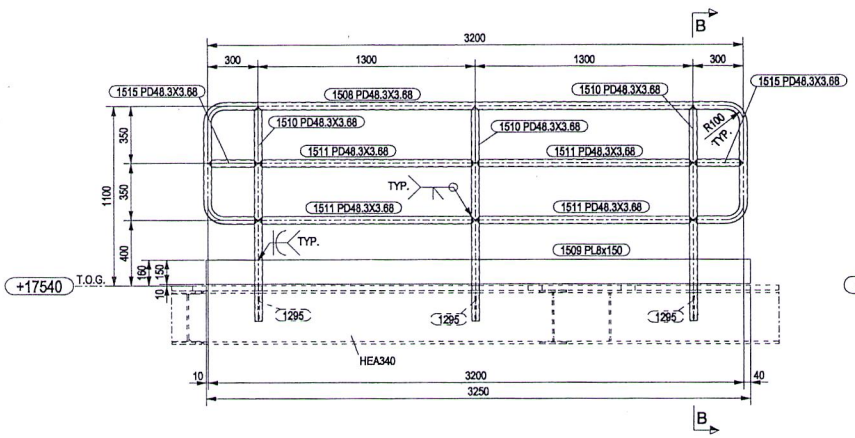
Analysis number: **4527355**



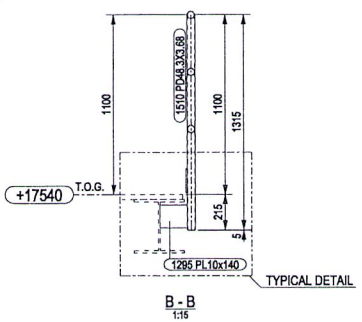
CWTPH001



A - A
1:15



CWTPH002



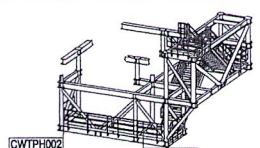
B - B
1:15

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH001	1293	3	PL5x42	42	S275JR	5	0.2	0.01	
CWTPH001	1295	3	PL10x140	163	S275JR	5	5.4	0.16	
CWTPH001	1508	1	PD48.3X3.68	5028	API 5L GR B	5	19.9	0.76	
CWTPH001	1509	1	PL8x150	3250	S275JR	5	30.6	1.03	
CWTPH001	1510	3	PD48.3X3.68	1315	API 5L GR B	5	15.5	0.59	
CWTPH001	1511	4	PD48.3X3.68	1300	API 5L GR B	5	20.2	0.77	
CWTPH001	1515	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH002	1293	3	PL5x42	42	S275JR	5	0.2	0.01	
CWTPH002	1295	3	PL10x140	163	S275JR	5	5.4	0.16	
CWTPH002	1508	1	PD48.3X3.68	5028	API 5L GR B	5	19.9	0.76	
CWTPH002	1509	1	PL8x150	3250	S275JR	5	30.6	1.03	
CWTPH002	1510	3	PD48.3X3.68	1315	API 5L GR B	5	15.5	0.59	
CWTPH002	1511	4	PD48.3X3.68	1300	API 5L GR B	5	20.2	0.77	
CWTPH002	1515	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
						TOTALE	187.6	6.78	

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN

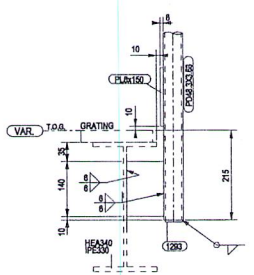


ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM



TYPICAL FIXED DETAIL
1:5

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

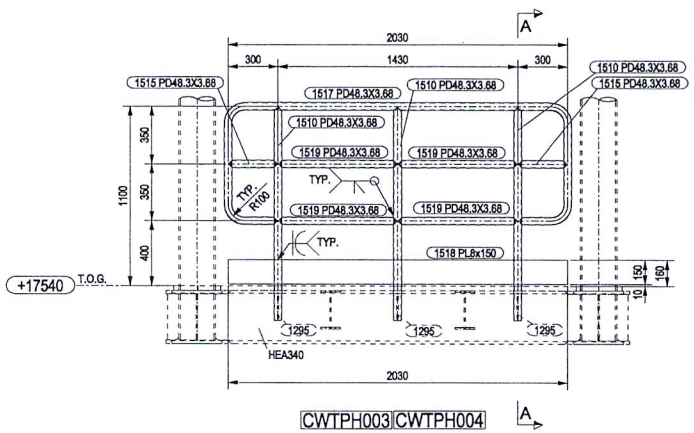
CROSSWIND

ROSETTIMARINO

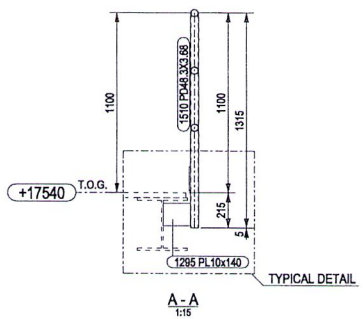
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +17540 TOG
MARK CWTPH001 – CWTPH002

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90607	SHEET 001	REV. 0

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH003	1293	3	PL5x42	42	S275JR	5	0.2	0.01	
CWTPH003	1295	3	PL10x140	163	S275JR	5	5.4	0.16	
CWTPH003	1510	3	PD48.3X3.68	1315	API 5L GR B	5	15.5	0.59	
CWTPH003	1515	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH003	1517	1	PD48.3X3.68	3858	API 5L GR B	5	15.2	0.58	
CWTPH003	1518	1	PL8x150	2030	S275JR	5	19.1	0.64	
CWTPH003	1519	4	PD48.3X3.68	715	API 5L GR B	5	10.8	0.42	
CWTPH004	1293	3	PL5x42	42	S275JR	5	0.2	0.01	
CWTPH004	1295	3	PL10x140	163	S275JR	5	5.4	0.16	
CWTPH004	1510	3	PD48.3X3.68	1315	API 5L GR B	5	15.5	0.59	
CWTPH004	1515	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH004	1517	1	PD48.3X3.68	3858	API 5L GR B	5	15.2	0.58	
CWTPH004	1518	1	PL8x150	2030	S275JR	5	19.1	0.64	
CWTPH004	1519	4	PD48.3X3.68	715	API 5L GR B	5	10.8	0.42	
						TOTALE	136.7	4.95	



CWTPH003|CWTPH004

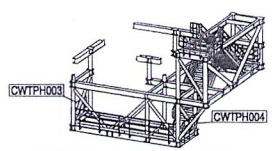


A - A
1:15

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN

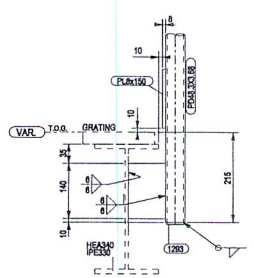


ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM



TYPICAL FIXED DETAIL
1:5

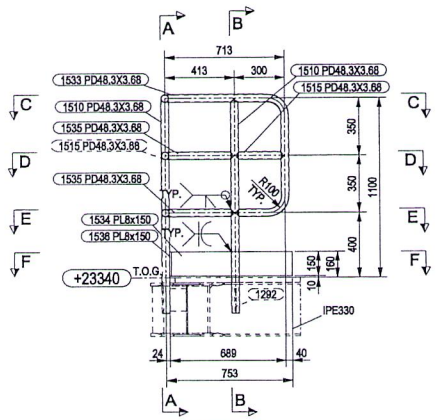
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CW-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND | ROSETTI MARINO

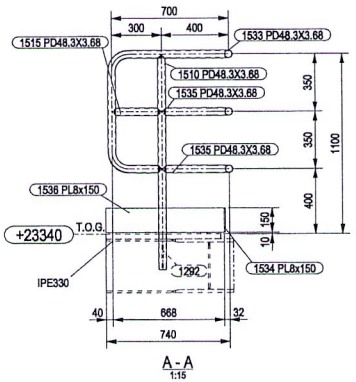
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +17540 TOG
MARK CWTPH003 – CWTPH004

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:15
DRAWN CW-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90608	SHEET 001	REV. 0

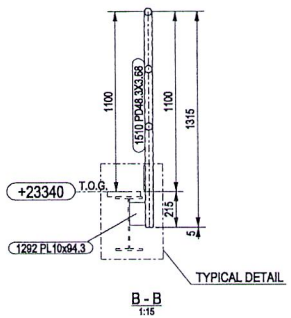
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH008	1292	2	PL10x94.3	140	S275JR	5	2.1	0.06	
CWTPH008	1293	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH008	1510	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH008	1515	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH008	1533	1	PD48.3X3.68	3198	API 5L GR B	5	12.6	0.48	
CWTPH008	1534	1	PL8x150	721	S275JR	5	6.8	0.23	
CWTPH008	1535	2	PD48.3X3.68	770	API 5L GR B	5	5.8	0.22	
CWTPH008	1536	1	PL8x150	708	S275JR	5	6.7	0.23	
						TOTALE	46.5	1.70	



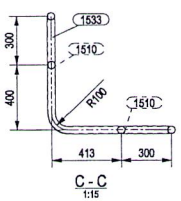
CWTPH008



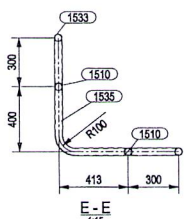
A - A
1:15



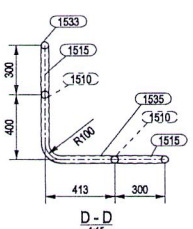
B - B
1:15



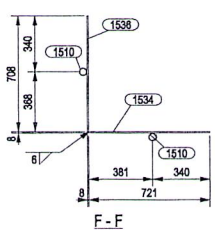
C - C
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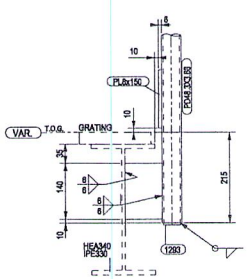
E - E
1:15



D - D
1:15



F - F
1:15

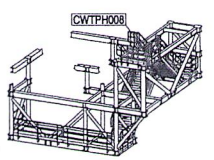


TYPICAL FIXED DETAIL
1:5

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

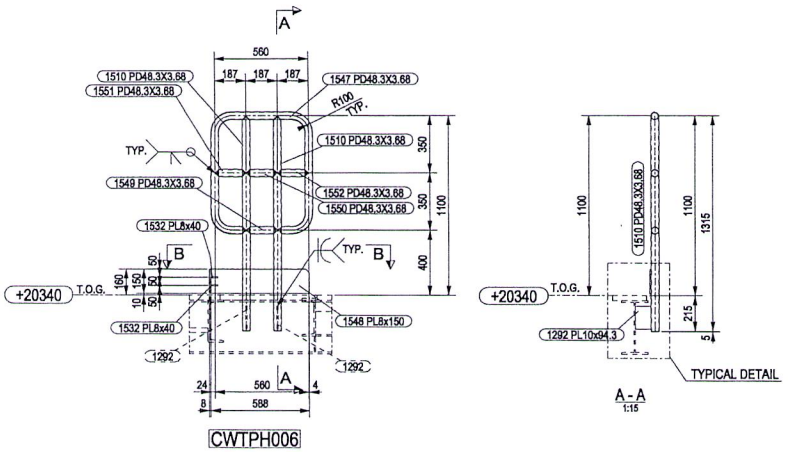
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

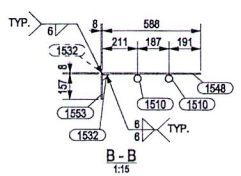
ROSETTI MARINO

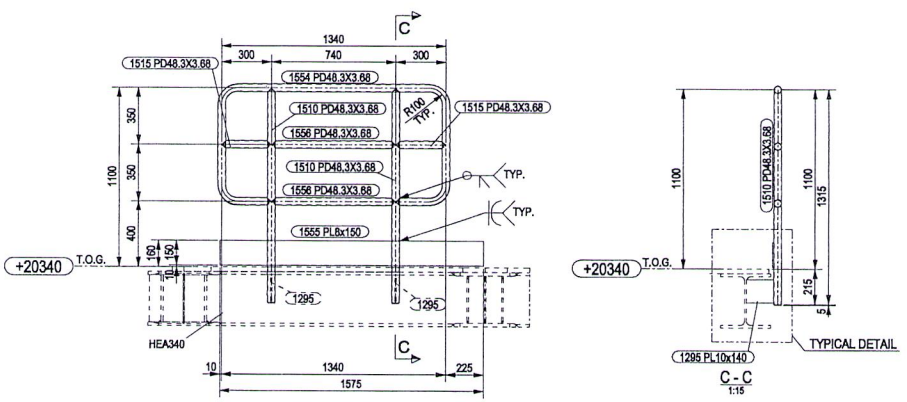
TITLE : BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +23340 TOG
MARK CWTPH008

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:100
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90613	SHEET 001	REV. 0



CWTPH006





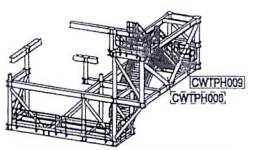
CWTPH009

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH006	1292	2	PL10x94.3	140	S275JR	5	2.1	0.06	
CWTPH006	1293	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH006	1510	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH006	1532	2	PL8x40	40	S275JR	5	0.1	0.01	
CWTPH006	1547	1	PD48.3X3.68	2162	API 5L GR B	5	8.4	0.32	
CWTPH006	1548	1	PL8x150	588	S275JR	5	5.5	0.19	
CWTPH006	1549	1	PD48.3X3.68	187	API 5L GR B	5	0.6	0.02	
CWTPH006	1550	1	PD48.3X3.68	187	API 5L GR B	5	0.6	0.02	
CWTPH006	1551	1	PD48.3X3.68	187	API 5L GR B	5	0.6	0.02	
CWTPH006	1552	1	PD48.3X3.68	187	API 5L GR B	5	0.6	0.02	
CWTPH006	1553	1	PL8x150	157	S275JR	5	1.5	0.05	
CWTPH009	1293	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH009	1295	2	PL10x140	163	S275JR	5	3.6	0.10	
CWTPH009	1510	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH009	1515	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH009	1554	1	PD48.3X3.68	3168	API 5L GR B	5	12.5	0.47	
CWTPH009	1555	1	PL8x150	1575	S275JR	5	14.8	0.50	
CWTPH009	1556	2	PD48.3X3.68	740	API 5L GR B	5	5.6	0.22	
						TOTALE	79.6	2.90	

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



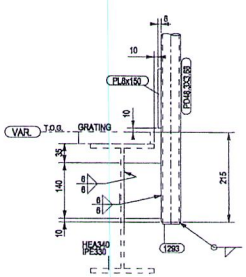
ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION



TYPICAL FIXED DETAIL
1:5

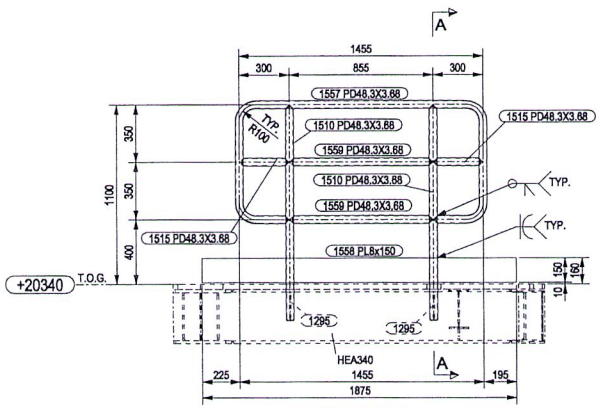
CROSSWIND

ROSETTI MARINO

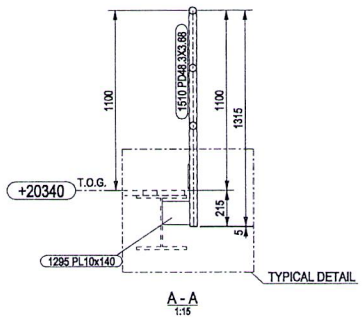
TITLE : BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +20340 TOG
MARK CWTPH006 – CWTPH009

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90609	SHEET 001	REV. 0

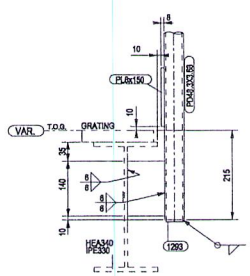
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH010	1293	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH010	1295	2	PL10x140	163	S275JR	5	3.6	0.10	
CWTPH010	1510	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH010	1515	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH010	1557	1	PD48.3X3.68	3283	API 5L GR B	5	12.9	0.49	
CWTPH010	1558	1	PL8x150	1875	S275JR	5	17.7	0.59	
CWTPH010	1559	2	PD48.3X3.68	855	API 5L GR B	5	6.5	0.25	
						TOTALE	53.3	1.92	



CWTPH010



A - A
1:15

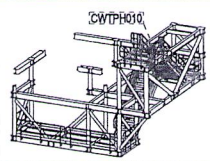


TYPICAL FIXED DETAIL
1:5

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

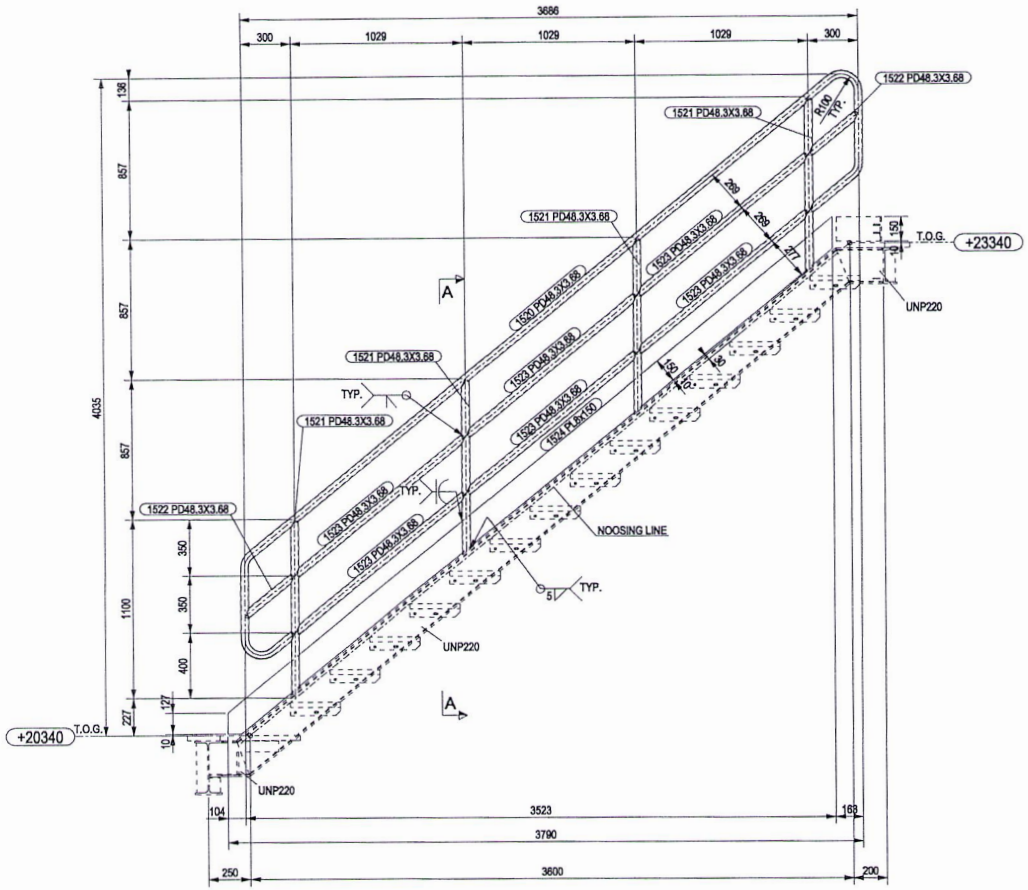
CROSSWIND

ROSETTI MARINO

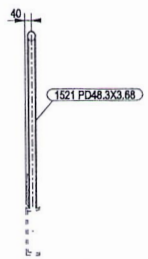
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +20340 TOG
MARK CWTPH010

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90610	SHEET 001	REV. 0

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH013	1520	1	PD48.3X3.68	6566	API 5L GR B	5	25.9	0.99	
CWTPH013	1521	4	PD48.3X3.68	1081	API 5L GR B	5	16.5	0.63	
CWTPH013	1522	2	PD48.3X3.68	391	API 5L GR B	5	2.8	0.11	
CWTPH013	1523	6	PD48.3X3.68	1339	API 5L GR B	5	30.9	1.18	
CWTPH013	1524	1	PL8x150	4803	S275JR	5	44.3	1.49	
						TOTALE	120.5	4.40	



CWTPH013

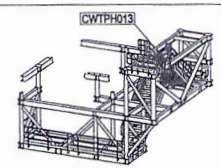


A - A
1:15

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

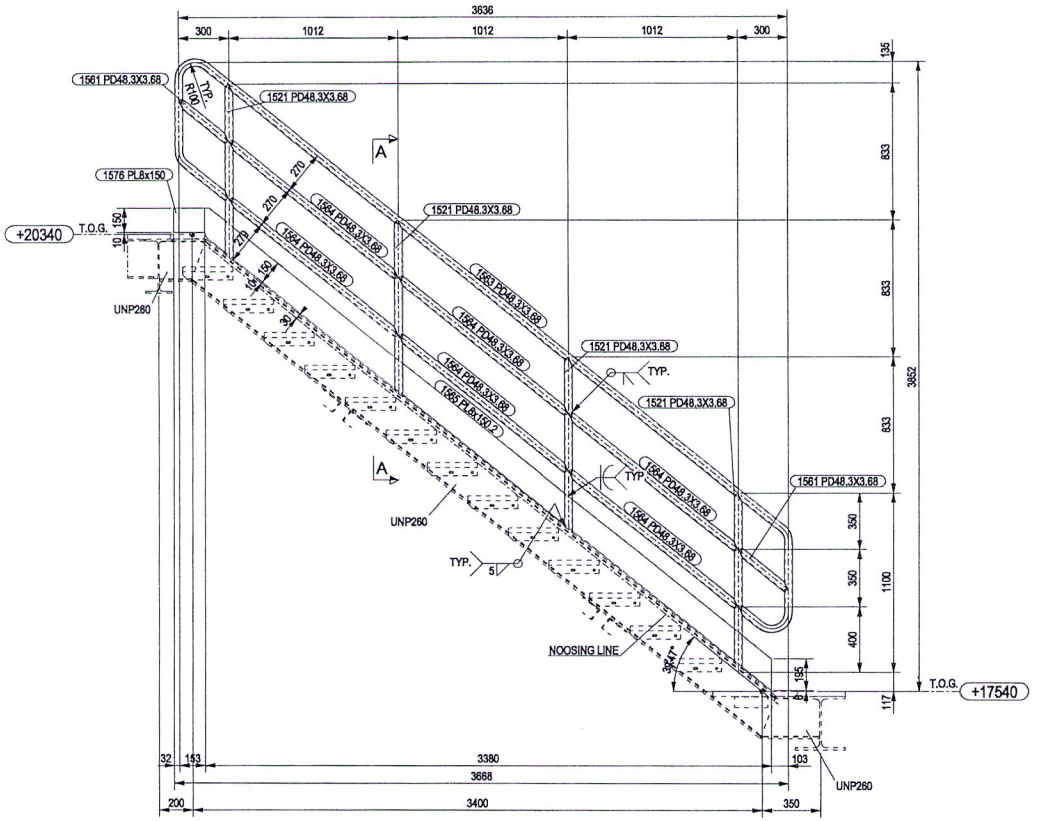
CROSSWIND

ROSETTIMARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS STAIR
MARK CWTPH013

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90616	SHEET 001	REV. 0

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH015	1521	4	PD48.3X3.68	1081	API 5L GR B	5	16.6	0.63	
CWTPH015	1561	2	PD48.3X3.68	389	API 5L GR B	5	2.7	0.11	
CWTPH015	1563	1	PD48.3X3.68	6479	API 5L GR B	5	25.6	0.97	
CWTPH015	1564	6	PD48.3X3.68	1311	API 5L GR B	5	30.3	1.16	
CWTPH015	1565	1	PL8x150.2	4487	S275JR	5	41.2	1.39	
CWTPH015	1576	1	PL8x150	185	S275JR	5	1.7	0.06	
						TOTALE	118.1	4.31	



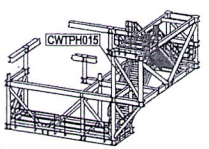
CWTPH015



NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
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123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

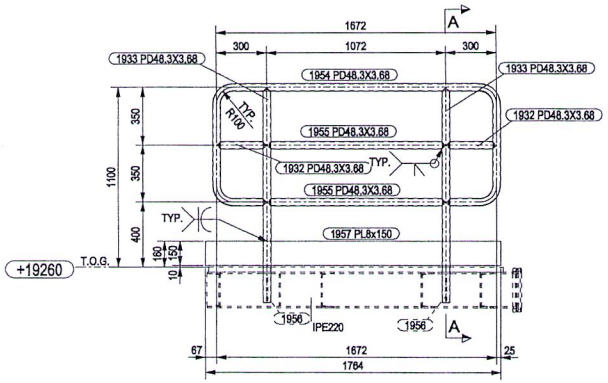
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

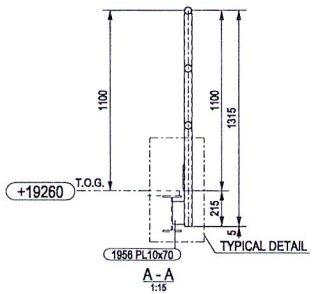
ROSETTIMARINO

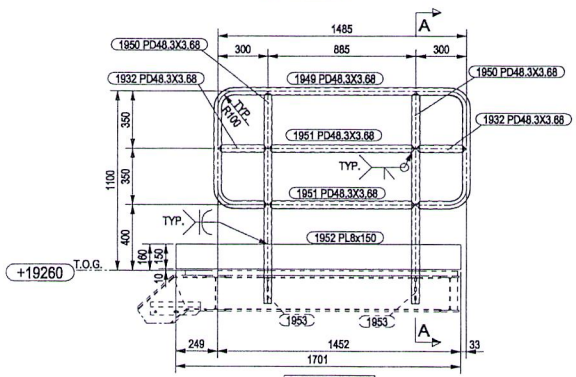
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS STAIR
MARK CWTPH015

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90618		SHEET 001	REV. 0

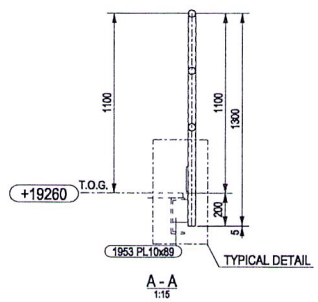


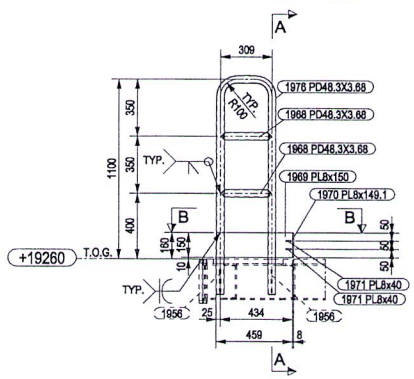
CWTPH019



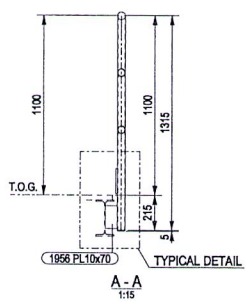


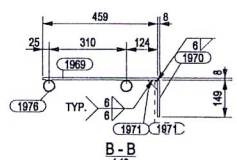
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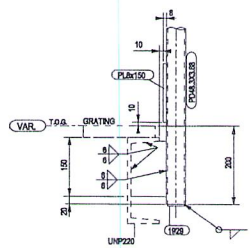




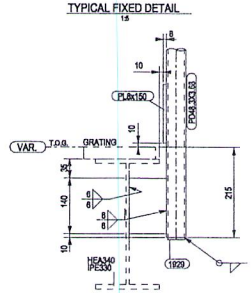
CWTPH021







TYPICAL FIXED DETAIL
1:5



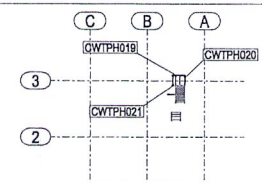
TYPICAL FIXED DETAIL
1:5

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH019	1929	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH019	1932	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH019	1933	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH019	1954	1	PD48.3X3.68	3500	API 5L GR B	5	13.8	0.52	
CWTPH019	1955	2	PD48.3X3.68	1072	API 5L GR B	5	8.3	0.32	
CWTPH019	1956	2	PL10x70	140	S275JR	5	1.5	0.05	
CWTPH019	1957	1	PL8x150	1764	S275JR	5	16.6	0.56	
CWTPH020	1929	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH020	1932	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH020	1949	1	PD48.3X3.68	3314	API 5L GR B	5	13.0	0.50	
CWTPH020	1950	2	PD48.3X3.68	1300	API 5L GR B	5	10.2	0.39	
CWTPH020	1951	2	PD48.3X3.68	885	API 5L GR B	5	6.8	0.26	
CWTPH020	1952	1	PL8x150	1701	S275JR	5	16.0	0.54	
CWTPH020	1953	2	PL10x89	141	S275JR	5	1.9	0.06	
CWTPH021	1929	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH021	1956	2	PL10x70	140	S275JR	5	1.5	0.05	
CWTPH021	1968	2	PD48.3X3.68	309	API 5L GR B	5	2.2	0.09	
CWTPH021	1969	1	PL8x150	459	S275JR	5	4.3	0.15	
CWTPH021	1970	1	PL8x149.1	150	S275JR	5	1.4	0.05	
CWTPH021	1971	2	PL8x40	40	S275JR	5	0.1	0.01	
CWTPH021	1976	1	PD48.3X3.68	2854	API 5L GR B	5	11.4	0.43	
						TOTALE	124.0	4.54	

NOTES

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KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

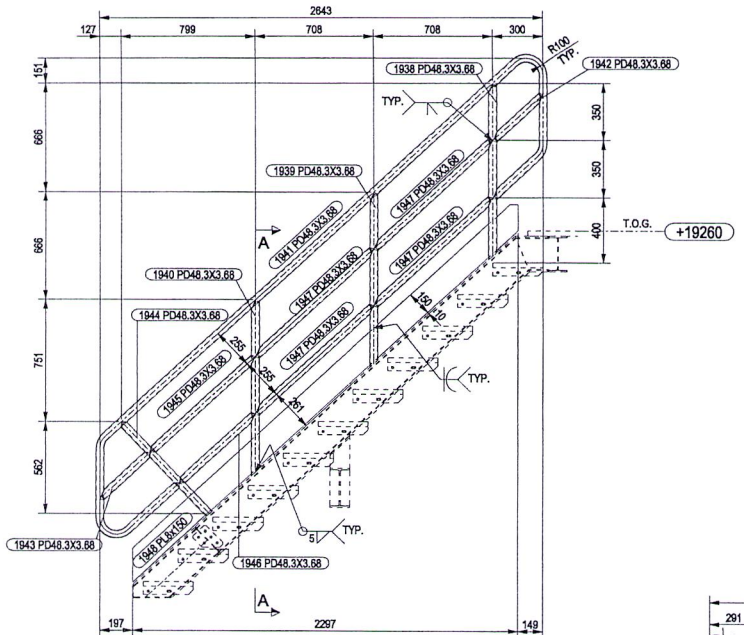
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	13/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

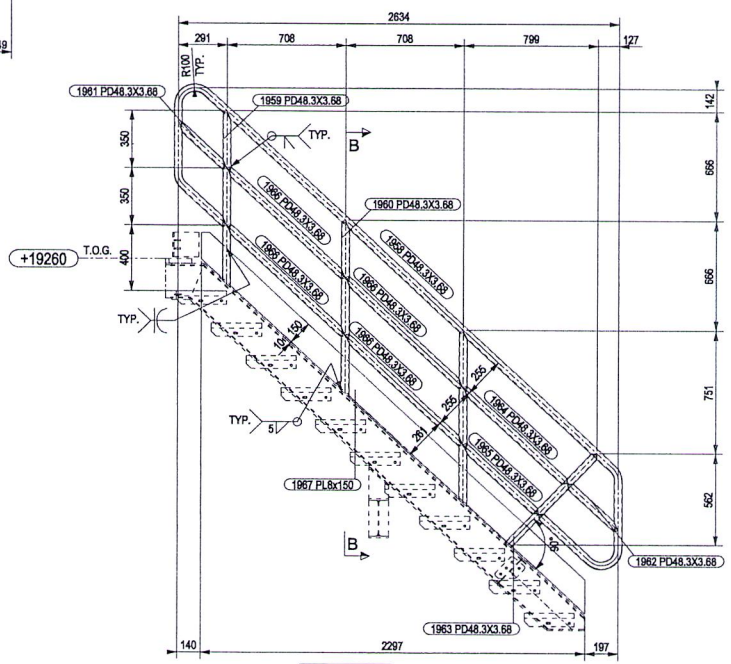
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +19260 TOG
MARK CWTPH019 TO CWTPH021

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 13/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90748		SHEET 001	REV. 0



CWTPH024





CWTPH025

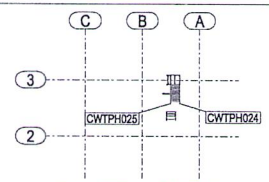


MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH024	1938	1	PD48.3X3.68	1082	API 5L GR B	5	4.1	0.16	
CWTPH024	1939	1	PD48.3X3.68	1082	API 5L GR B	5	4.1	0.16	
CWTPH024	1940	1	PD48.3X3.68	1082	API 5L GR B	5	4.1	0.16	
CWTPH024	1941	1	PD48.3X3.68	5623	API 5L GR B	5	22.2	0.84	
CWTPH024	1942	1	PD48.3X3.68	412	API 5L GR B	5	1.5	0.06	
CWTPH024	1943	1	PD48.3X3.68	414	API 5L GR B	5	1.5	0.06	
CWTPH024	1944	1	PD48.3X3.68	771	API 5L GR B	5	3.0	0.11	
CWTPH024	1945	1	PD48.3X3.68	857	API 5L GR B	5	3.2	0.12	
CWTPH024	1946	1	PD48.3X3.68	617	API 5L GR B	5	2.3	0.09	
CWTPH024	1947	4	PD48.3X3.68	972	API 5L GR B	5	14.7	0.56	
CWTPH024	1948	1	PL8x150	3262	S275JR	5	29.6	1.00	
CWTPH025	1958	1	PD48.3X3.68	5599	API 5L GR B	5	22.1	0.84	
CWTPH025	1959	1	PD48.3X3.68	1082	API 5L GR B	5	4.1	0.16	
CWTPH025	1960	2	PD48.3X3.68	1082	API 5L GR B	5	8.2	0.32	
CWTPH025	1961	1	PD48.3X3.68	400	API 5L GR B	5	1.4	0.05	
CWTPH025	1962	1	PD48.3X3.68	414	API 5L GR B	5	1.5	0.06	
CWTPH025	1963	1	PD48.3X3.68	771	API 5L GR B	5	3.0	0.11	
CWTPH025	1964	1	PD48.3X3.68	857	API 5L GR B	5	3.2	0.12	
CWTPH025	1965	1	PD48.3X3.68	617	API 5L GR B	5	2.3	0.09	
CWTPH025	1966	4	PD48.3X3.68	972	API 5L GR B	5	14.7	0.56	
CWTPH025	1967	1	PL8x150	3262	S275JR	5	29.6	1.00	
						TOTALE	180.7	6.63	

NOTES

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KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

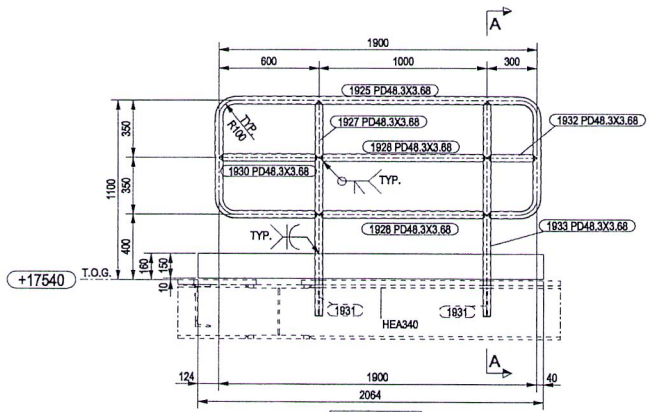
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	13/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

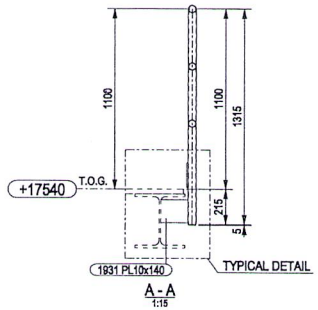
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS STAIR
MARK CWTPH024 – CWTPH025

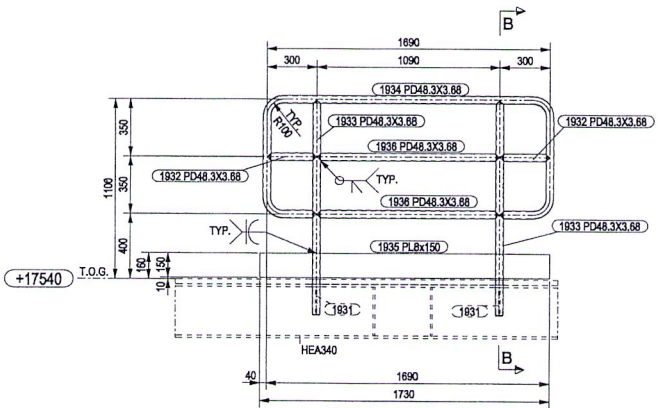
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 13/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90750		SHEET 001	REV. 0



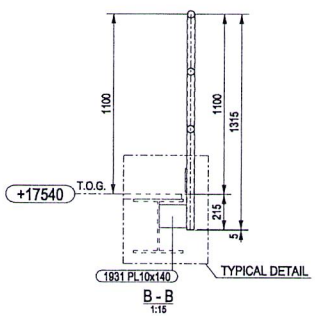
CWTPH017



A - A
1:15



CWTPH018



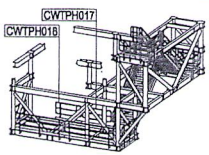
B - B
1:15

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH017	1925	1	PD48.3X3.68	4028	API 5L GR B	5	15.9	0.60	
CWTPH017	1926	1	PL8x150	2064	S275JR	5	19.4	0.65	
CWTPH017	1927	1	PD48.3X3.68	1315	API 5L GR B	5	5.2	0.20	
CWTPH017	1928	2	PD48.3X3.68	1000	API 5L GR B	5	7.7	0.29	
CWTPH017	1929	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH017	1930	1	PD48.3X3.68	600	API 5L GR B	5	2.3	0.09	
CWTPH017	1931	2	PL10x140	163	S275JR	5	3.6	0.10	
CWTPH017	1932	1	PD48.3X3.68	300	API 5L GR B	5	1.1	0.04	
CWTPH017	1933	1	PD48.3X3.68	1315	API 5L GR B	5	5.2	0.20	
CWTPH018	1929	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH018	1931	2	PL10x140	163	S275JR	5	3.6	0.10	
CWTPH018	1932	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH018	1933	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH018	1934	1	PD48.3X3.68	3518	API 5L GR B	5	13.9	0.53	
CWTPH018	1935	1	PL8x150	1730	S275JR	5	16.3	0.55	
CWTPH018	1936	2	PD48.3X3.68	1090	API 5L GR B	5	8.4	0.32	
						TOTALE	115.1	4.17	

NOTES

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2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN

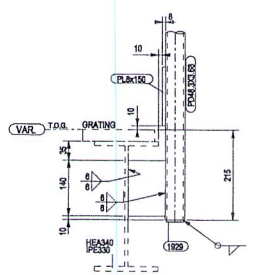


ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION



TYPICAL FIXED DETAIL
1:5

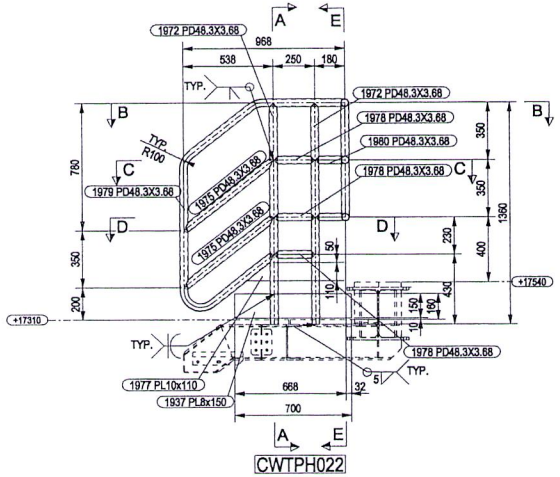
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	13/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND | ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +17540 TOG
MARK CWTPH017 – CWTPH018

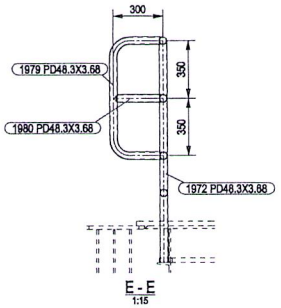
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 13/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90747	SHEET 001	REV. 0

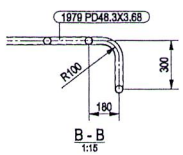
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH022	1937	1	PL8x150	700	S275JR	5	6.6	0.22	
CWTPH022	1972	2	PD48.3X3.68	1360	API 5L GR B	5	10.7	0.41	
CWTPH022	1975	2	PD48.3X3.68	688	API 5L GR B	5	5.1	0.20	
CWTPH022	1977	1	PL10x110	138	S275JR	5	0.6	0.02	
CWTPH022	1978	3	PD48.3X3.68	250	API 5L GR B	5	2.6	0.10	
CWTPH022	1979	1	PD48.3X3.68	3897	API 5L GR B	5	15.3	0.58	
CWTPH022	1980	1	PD48.3X3.68	437	API 5L GR B	5	1.6	0.06	
CWTPH023	1937	1	PL8x150	700	S275JR	5	6.6	0.22	
CWTPH023	1972	1	PD48.3X3.68	1360	API 5L GR B	5	5.3	0.20	
CWTPH023	1973	1	PD48.3X3.68	3805	API 5L GR B	5	15.0	0.57	
CWTPH023	1974	3	PD48.3X3.68	330	API 5L GR B	5	3.5	0.14	
CWTPH023	1975	2	PD48.3X3.68	688	API 5L GR B	5	5.1	0.20	
CWTPH023	1977	1	PL10x110	138	S275JR	5	0.6	0.02	
						TOTALE	78.8	2.95	

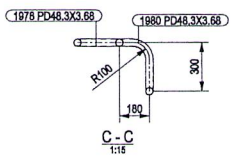


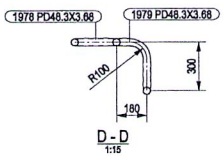
CWTPH022

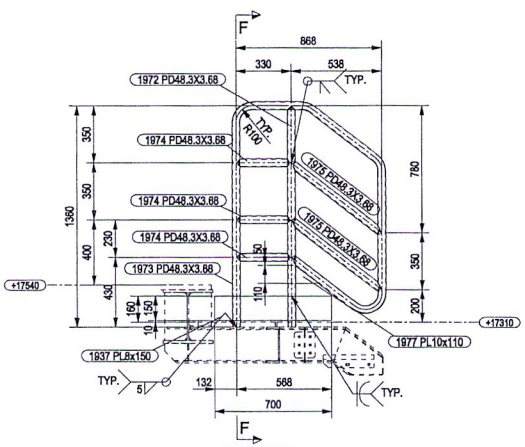




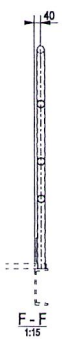








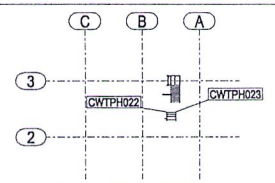
CWTPH023



NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



PLAN AT EL. +17510 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	13/09/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

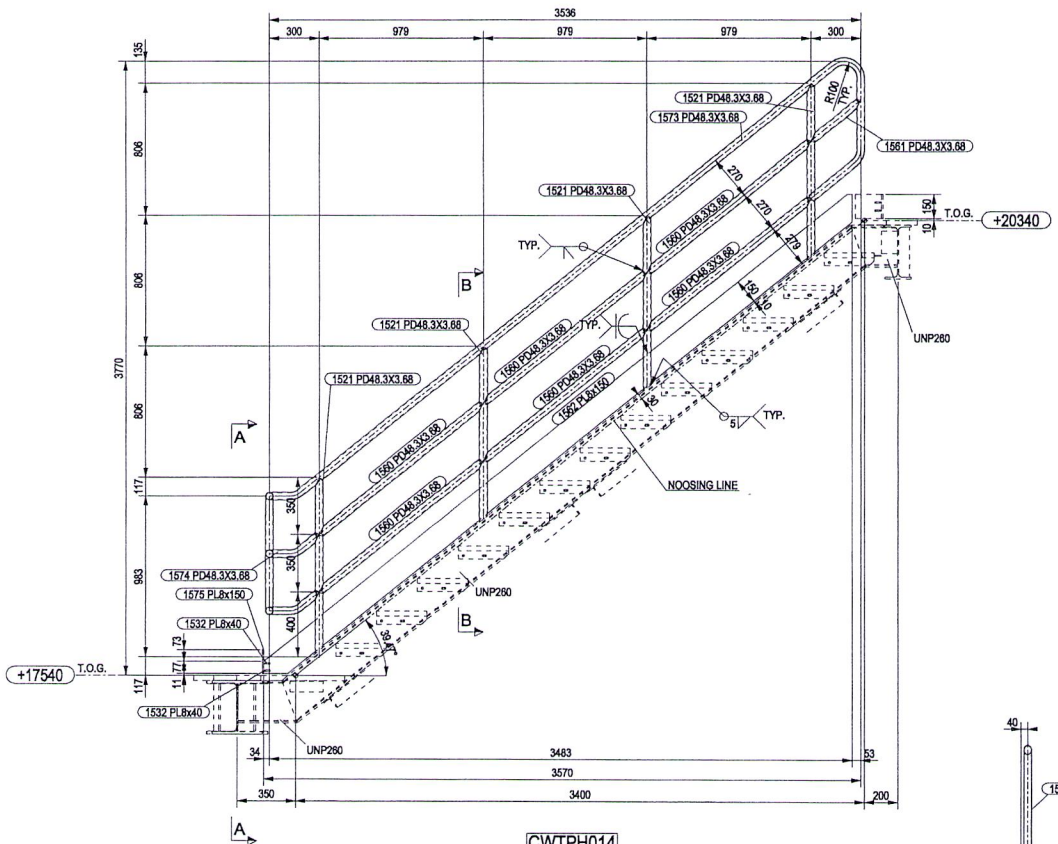
CROSSWIND

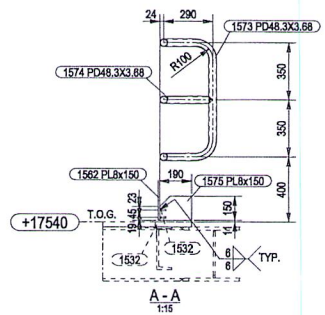
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS STAIR
MARK CWTPH022 – CWTPH023

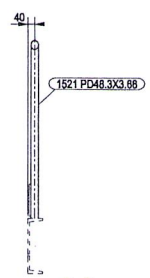
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 13/09/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90749	SHEET 001	REV. 0

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH014	1521	4	PD48.3X3.68	1081	API 5L GR B	5	16.6	0.63	
CWTPH014	1532	2	PL8x40	40	S275JR	5	0.1	0.01	
CWTPH014	1560	6	PD48.3X3.68	1268	API 5L GR B	5	29.2	1.12	
CWTPH014	1561	1	PD48.3X3.68	389	API 5L GR B	5	1.4	0.05	
CWTPH014	1562	1	PL8x150	4590	S275JR	5	42.4	1.42	
CWTPH014	1573	1	PD48.3X3.68	6863	API 5L GR B	5	27.2	1.03	
CWTPH014	1574	1	PD48.3X3.68	586	API 5L GR B	5	2.2	0.08	
CWTPH014	1575	1	PL8x150	190	S275JR	5	1.7	0.06	
						TOTALE	120.7	4.41	





A - A
1:15

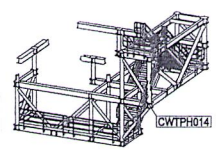


B - B
1:15

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

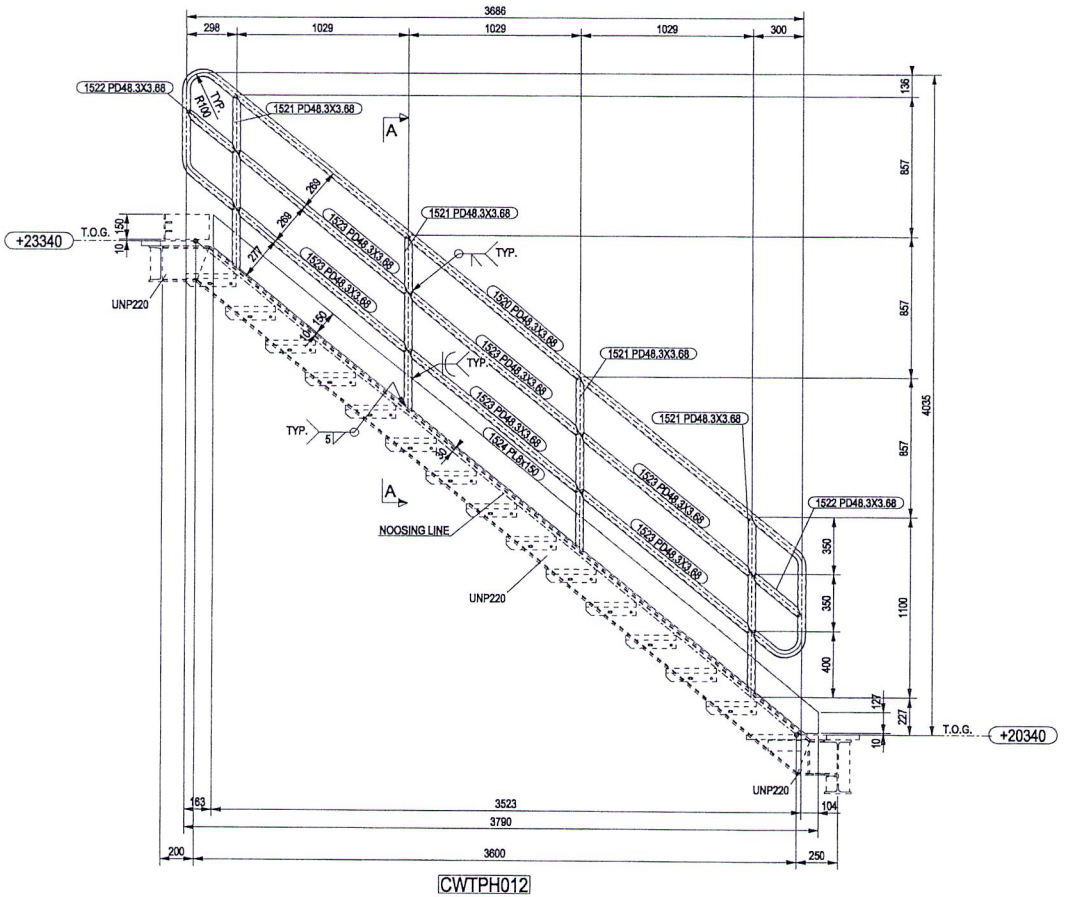
CROSSWIND

ROSETTI MARINO

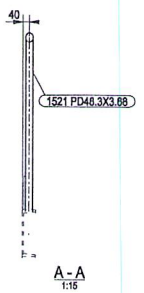
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS STAIR
MARK CWTPH014

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90617		SHEET 001	REV. 0

MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH012	1520	1	PD48.3X3.68	6566	API 5L GR B	5	25.9	0.99	
CWTPH012	1521	4	PD48.3X3.68	1081	API 5L GR B	5	16.5	0.63	
CWTPH012	1522	2	PD48.3X3.68	391	API 5L GR B	5	2.8	0.11	
CWTPH012	1523	6	PD48.3X3.68	1339	API 5L GR B	5	30.9	1.18	
CWTPH012	1524	1	PL8x150	4803	S275JR	5	44.3	1.49	
						TOTALE	120.5	4.40	



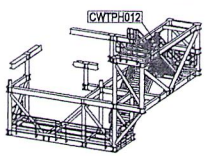
CWTPH012



NOTES

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2 – ALL ELEVATIONS ARE REFERED TO C.D.
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KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

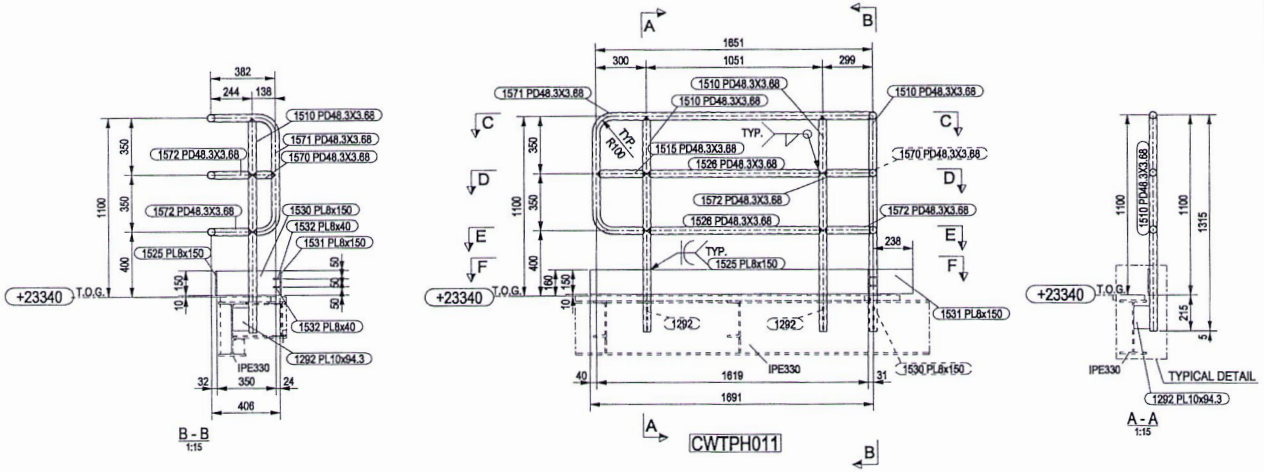
CROSSWIND

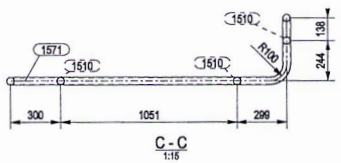
ROSETTI MARINO

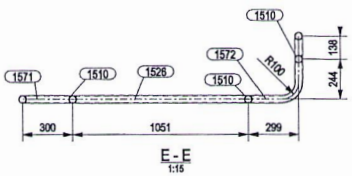
TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS STAIR
MARK CWTPH012

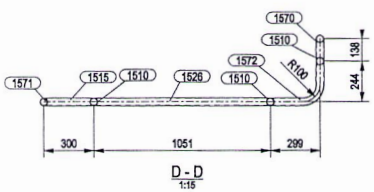
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 17/05/2024	
A1	DRAWING NO. 123A90-FDL-ST-DD-90615		SHEET 001	REV. 0

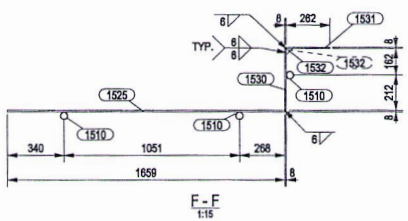
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH011	1292	3	PL10x94.3	140	S275JR	5	3.1	0.09	
CWTPH011	1293	3	PL5x42	42	S275JR	5	0.2	0.01	
CWTPH011	1510	3	PD48.3X3.68	1315	API 5L GR B	5	15.5	0.59	
CWTPH011	1515	1	PD48.3X3.68	300	API 5L GR B	5	1.1	0.04	
CWTPH011	1525	1	PL8x150	1659	S275JR	5	15.6	0.53	
CWTPH011	1526	2	PD48.3X3.68	1051	API 5L GR B	5	8.1	0.31	
CWTPH011	1530	1	PL8x150	374	S275JR	5	3.5	0.12	
CWTPH011	1531	1	PL8x150	262	S275JR	5	2.5	0.09	
CWTPH011	1532	2	PL8x40	40	S275JR	5	0.1	0.01	
CWTPH011	1570	1	PD48.3X3.68	138	API 5L GR B	5	0.4	0.02	
CWTPH011	1571	1	PD48.3X3.68	3656	API 5L GR B	5	14.4	0.55	
CWTPH011	1572	2	PD48.3X3.68	501	API 5L GR B	5	3.7	0.14	
						TOTALE	68.2	2.49	

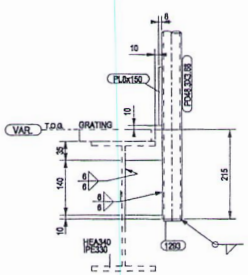








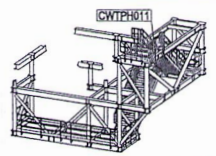




NOTES

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2 – ALL ELEVATIONS ARE REFERED TO C.D.
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KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND | ROSETTI MARINO

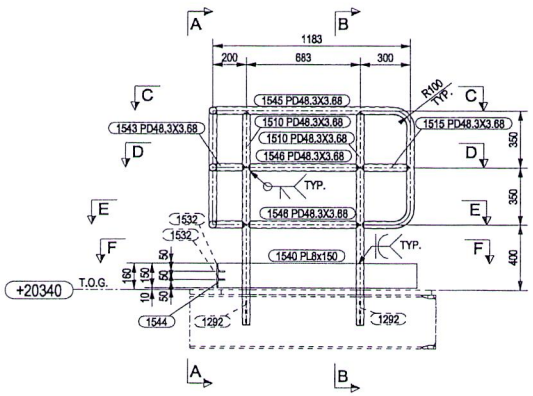
TITLE : BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +23340 TOG
MARK CWTPH011

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:15

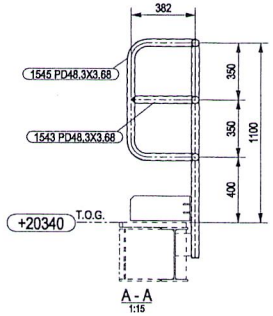
DRAWN CM-TS | CHECKED M.ROSSI | APPROVED D.CASADIO | DATE 17/05/2024

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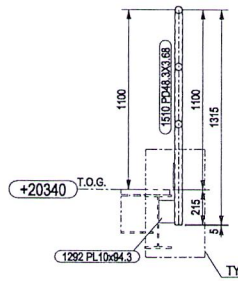
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH016	1292	2	PL10x94.3	140	S275JR	5	2.1	0.06	
CWTPH016	1293	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH016	1510	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH016	1515	1	PD48.3X3.68	300	API 5L GR B	5	1.1	0.04	
CWTPH016	1532	2	PL8x40	40	S275JR	5	0.1	0.01	
CWTPH016	1540	1	PL8x150	1191	S275JR	5	11.2	0.38	
CWTPH016	1543	1	PD48.3X3.68	539	API 5L GR B	5	2.0	0.08	
CWTPH016	1544	1	PL8x150	354	S275JR	5	3.3	0.11	
CWTPH016	1545	1	PD48.3X3.68	3590	API 5L GR B	5	14.1	0.54	
CWTPH016	1546	2	PD48.3X3.68	683	API 5L GR B	5	5.2	0.20	
						TOTALE	49.5	1.81	



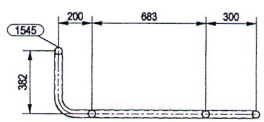
CWTPH016



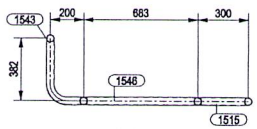
A - A
1:15



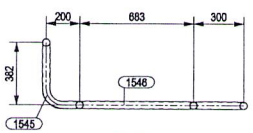
B - B
1:15



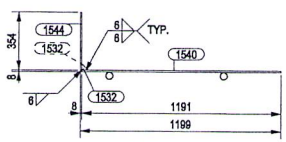
C - C
1:15



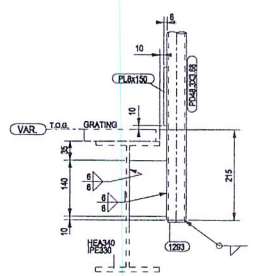
D - D
1:15



E - E
1:15



F - F
1:15

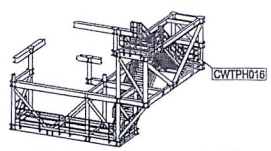


TYPICAL FIXED DETAIL
1:5

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-90090	TP WALKWAY & STAIRS - ACCESS PLATFORM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

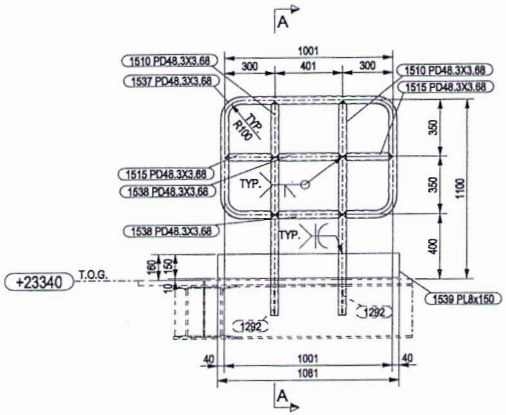
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +20340 TOG
MARK CWTPH016

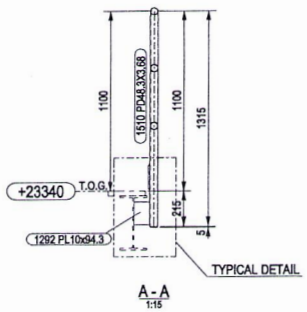
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:15

DRAWN CM-TS | CHECKED M.ROSSI | APPROVED D.CASADIO | DATE 17/05/2024

A1	DRAWING NO. 123A90-FDL-ST-DD-90611	SHEET 001	REV. 0

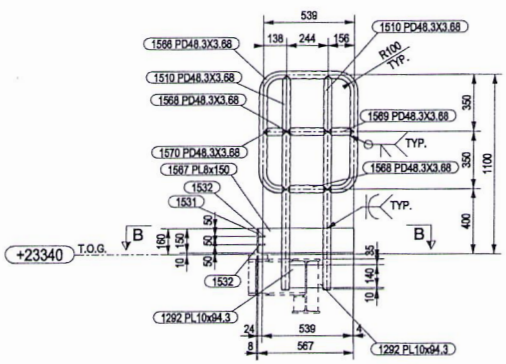


CWTPH005

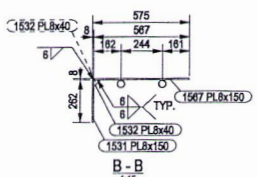


A - A
1:15

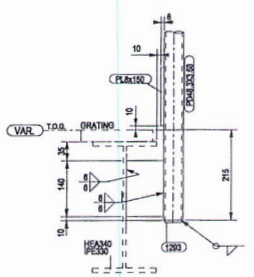
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWTPH005	1292	2	PL10x94.3	140	S275JR	5	2.1	0.06	
CWTPH005	1293	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH005	1510	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH005	1515	2	PD48.3X3.68	300	API 5L GR B	5	2.1	0.08	
CWTPH005	1537	1	PD48.3X3.68	2829	API 5L GR B	5	11.1	0.42	
CWTPH005	1538	2	PD48.3X3.68	401	API 5L GR B	5	2.9	0.11	
CWTPH005	1539	1	PL8x150	1081	S275JR	5	10.2	0.34	
CWTPH007	1292	2	PL10x94.3	140	S275JR	5	2.1	0.06	
CWTPH007	1293	2	PL5x42	42	S275JR	5	0.1	0.01	
CWTPH007	1510	2	PD48.3X3.68	1315	API 5L GR B	5	10.3	0.39	
CWTPH007	1531	1	PL8x150	262	S275JR	5	2.5	0.09	
CWTPH007	1532	2	PL8x40	40	S275JR	5	0.1	0.01	
CWTPH007	1566	1	PD48.3X3.68	2061	API 5L GR B	5	8.1	0.31	
CWTPH007	1567	1	PL8x150	567	S275JR	5	5.3	0.18	
CWTPH007	1568	2	PD48.3X3.68	244	API 5L GR B	5	1.7	0.07	
CWTPH007	1569	1	PD48.3X3.68	156	API 5L GR B	5	0.5	0.02	
CWTPH007	1570	1	PD48.3X3.68	138	API 5L GR B	5	0.4	0.02	
						TOTALE	69.9	2.57	



CWTPH007



B - B
1:15

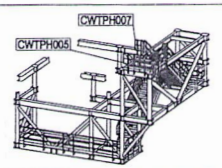


TYPICAL FIXED DETAIL
1:5

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – ALL HANDRAILS SHALL BE HOT DIP GALVANISED AND PAINTED

KEY PLAN



ISOMETRIC VIEW WALWKAY TP

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-00037	STANDARD DRAWING - HANDRAILS
123A90-DDL-ST-DD-00090	TP WALKWAY & STAIRS - ACCESS PLATFORM

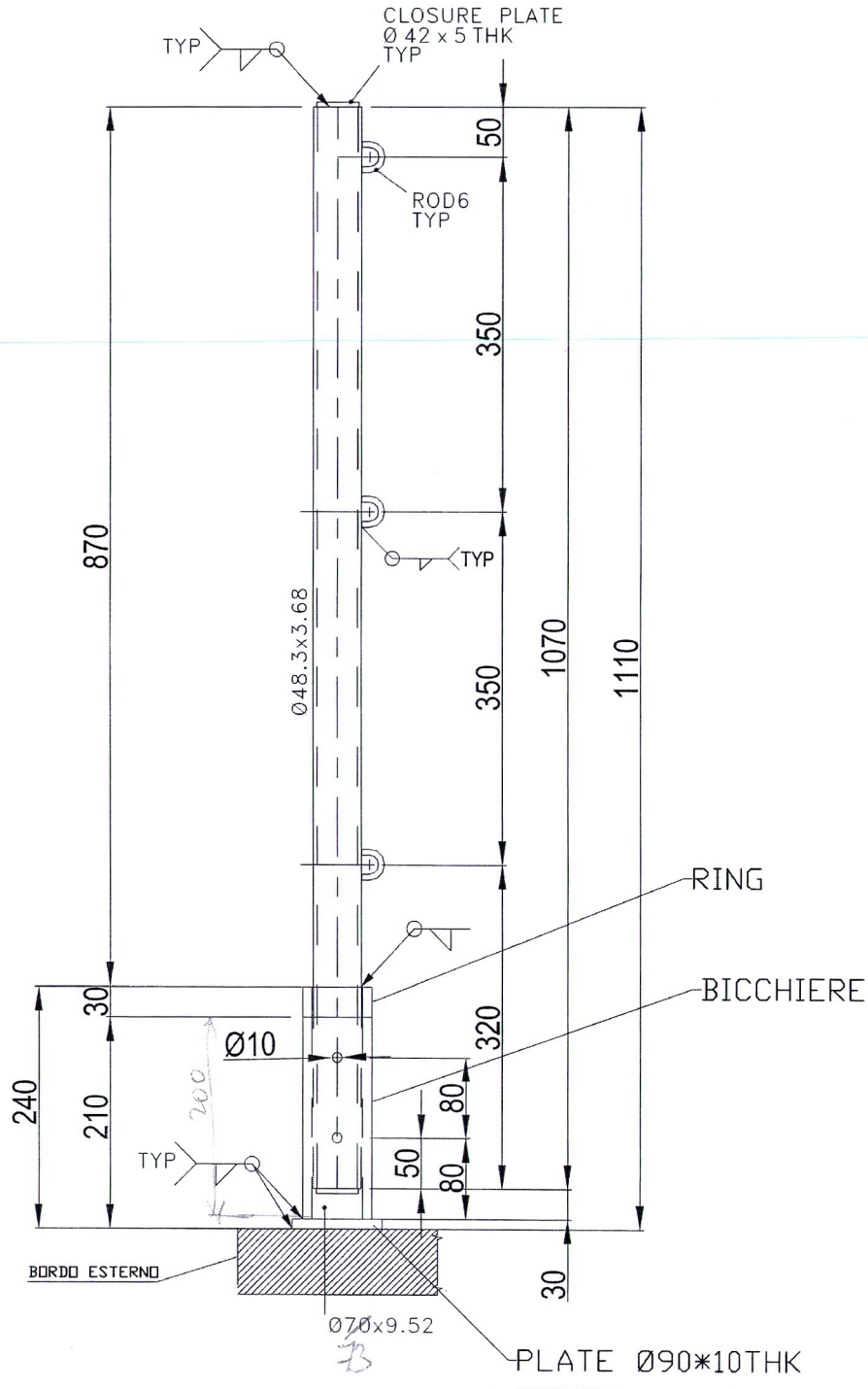
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
0	17/05/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TP – HANDRAILS AT EL. +23340 TOG
MARK CWTPH005 – CWTPH007

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:15
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO	DATE 17/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90612	SHEET 001	REV. 0

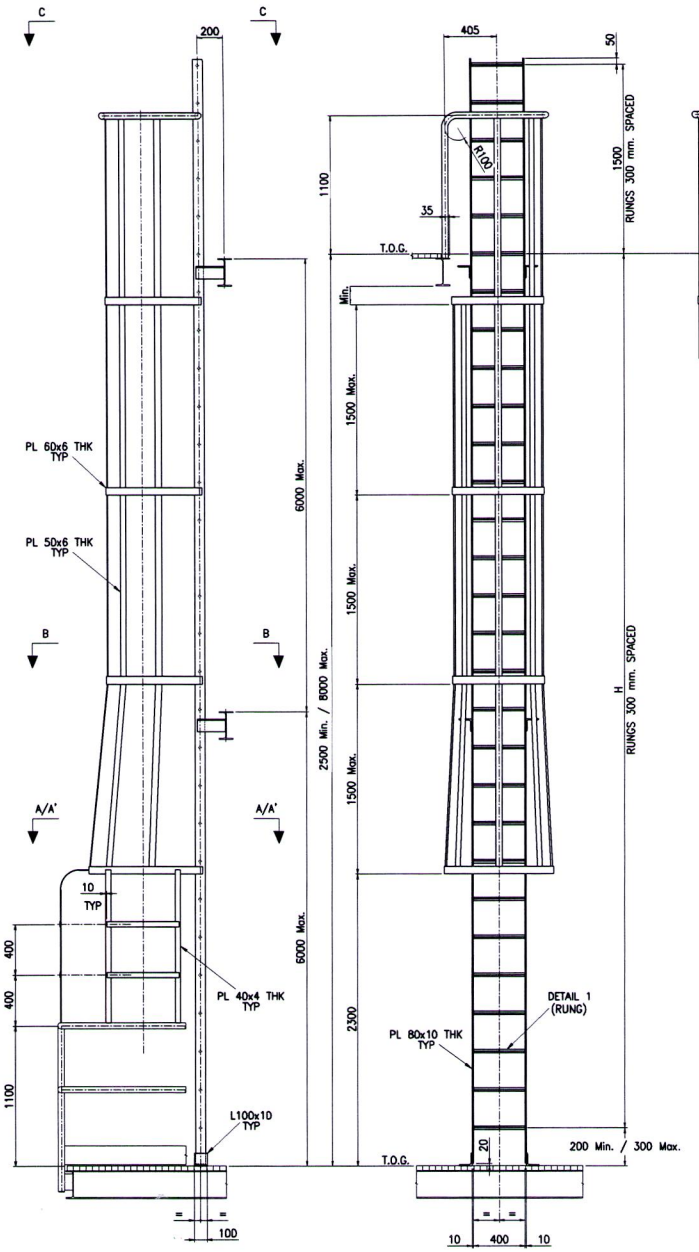


NUM. PEZZI 80+2(SPARE)

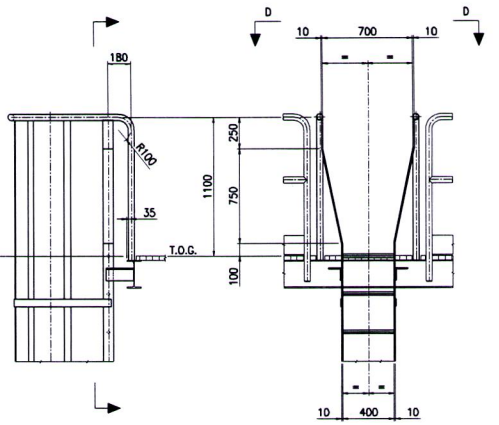
ROSETTI MARINO			
CLIENTE / CUSTOMER: CROSSWIND	COMMESSA / JOB No: 123A90	DISEGNO N° / DWG No: 123A90-SK-023-02_REV0	
DESCRIPTION / DESCRIZIONE: STANCHION REMOVIBILE	FILE N° / FILE No:	REV. N° / REV. No: 0	DATA / DATE: 26/09/2024

A4

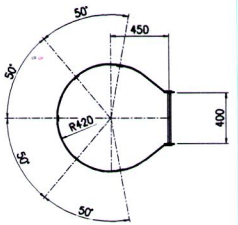
DRAWING NO. 123A90-DDL-ST-DD-90036 REV. 02



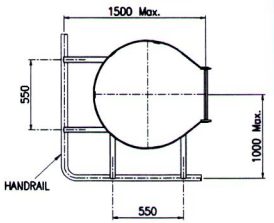
LADDER WITH SAFETY CAGE – SIDE EXIT
(PREFERRED)



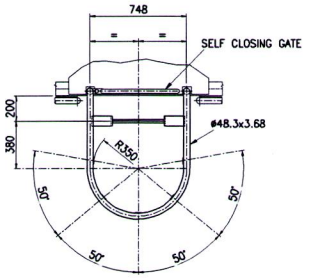
LADDER WITH SAFETY CAGE – FRONT EXIT



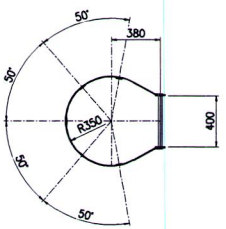
SECTION A–A



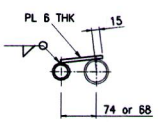
SECTION A'–A'



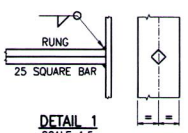
SECTION D–D



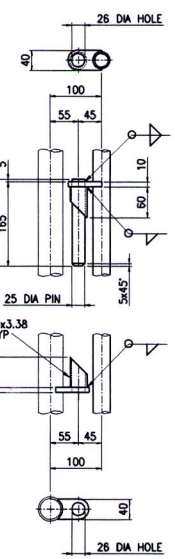
SECTION B–B

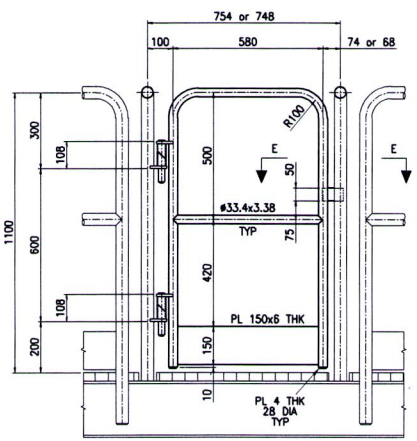


SECTION E–E
SCALE 1:5

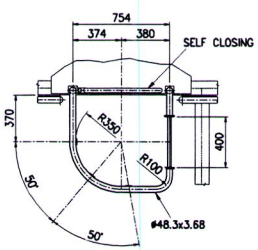


DETAIL 1
SCALE 1:5





SELF CLOSING GATE
SCALE 1:10



SECTION C–C

NOTES:

1 – ALL DIMENSIONS ARE IN mm (U.N.O.)
2 – ALL FILLET WELDS SHALL BE CONTINUOUS AND THE LEG SIZE SHALL BE EQUAL 0.7 THE MINIMUM THICKNESS TO BE JOINTED U.N.O.

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	22/08/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	31/01/24	SGR	AB	DLS	ISSUED FOR APPROVAL (IFA)
00	13/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

TECON

CROSSWIND

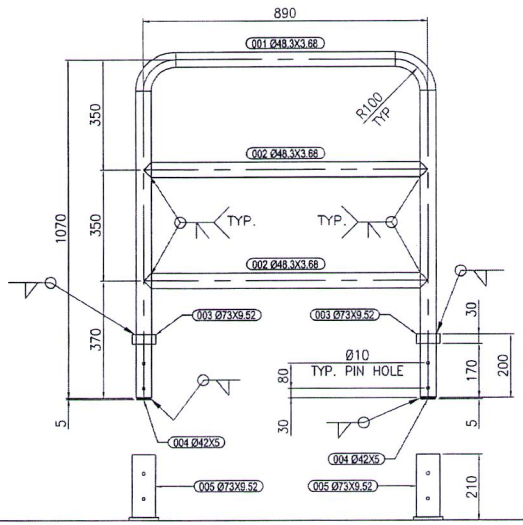
ROSETTI MARINO

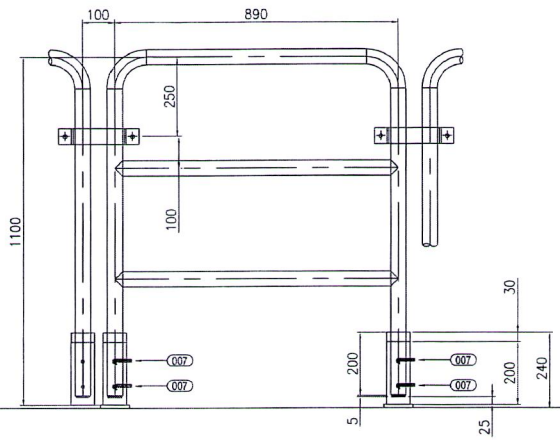
TITLE : BASE LOAD POWER HUB (BLPH)
STANDARD DRAWINGS
LADDERS

CONTRACT NO./TITLE CW-1-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:20
DRAWN S.GRIFFIN	CHECKED A.BALZAROTTI	APPROVED D.LO STERZO	DATE 22/08/24

A1	DRAWING NO. 123A90-DDL-ST-DD-90036	SHEET 001	REV. 02

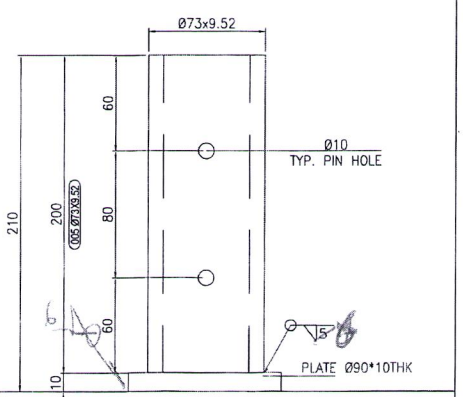
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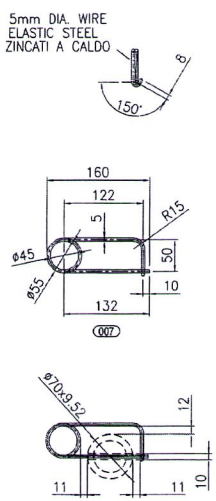


CWHTP001 CWHTP002 CWHTP003 CWHTP004 CWHTP005 CWHTP006 CWHTP007

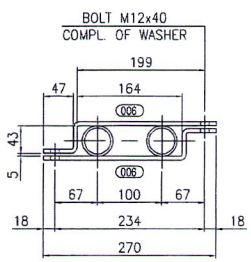
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWHTP001	001	1	Ø48.3X3.68	2945	API 5L GR B	5	11.9	—	
CWHTP001	002	2	Ø48.3X3.68	890	API 5L GR B	5	7.2	—	
CWHTP001	003	2	Ø73X9.52	30	API 5L GR B	5	0.9	—	
CWHTP001	004	2	Ø42X5	5	API 5L GR B	5	0.1	—	
CWHTP001	005	2	Ø73X9.52	200	API 5L GR B	5	6	—	
CWHTP001	006	2	PL6X50	308	S275JR	5	1.5	—	
CWHTP001	007	4	BROOCH PIN	555	ELASTIC STEEL	5	0.3	—	
CWHTP002	001	1	Ø48.3X3.68	2945	API 5L GR B	5	11.9	—	
CWHTP002	002	2	Ø48.3X3.68	890	API 5L GR B	5	7.2	—	
CWHTP002	003	2	Ø73X9.52	30	API 5L GR B	5	0.9	—	
CWHTP002	004	2	Ø42X5	5	API 5L GR B	5	0.1	—	
CWHTP002	005	2	Ø73X9.52	200	API 5L GR B	5	6	—	
CWHTP002	006	2	PL6X50	308	S275JR	5	1.5	—	
CWHTP002	007	4	BROOCH PIN	555	ELASTIC STEEL	5	0.3	—	
CWHTP003	001	1	Ø48.3X3.68	2945	API 5L GR B	5	11.9	—	
CWHTP003	002	2	Ø48.3X3.68	890	API 5L GR B	5	7.2	—	
CWHTP003	003	2	Ø73X9.52	30	API 5L GR B	5	0.9	—	
CWHTP003	004	2	Ø42X5	5	API 5L GR B	5	0.1	—	
CWHTP003	005	2	Ø73X9.52	200	API 5L GR B	5	6	—	
CWHTP003	006	2	PL6X50	308	S275JR	5	1.5	—	
CWHTP003	007	4	BROOCH PIN	555	ELASTIC STEEL	5	0.3	—	
CWHTP004	001	1	Ø48.3X3.68	2945	API 5L GR B	5	11.9	—	
CWHTP004	002	2	Ø48.3X3.68	890	API 5L GR B	5	7.2	—	
CWHTP004	003	2	Ø73X9.52	30	API 5L GR B	5	0.9	—	
CWHTP004	004	2	Ø42X5	5	API 5L GR B	5	0.1	—	
CWHTP004	005	2	Ø73X9.52	200	API 5L GR B	5	6	—	
CWHTP004	006	2	PL6X50	308	S275JR	5	1.5	—	
CWHTP004	007	4	BROOCH PIN	555	ELASTIC STEEL	5	0.3	—	
CWHTP005	001	1	Ø48.3X3.68	2945	API 5L GR B	5	11.9	—	
CWHTP005	002	2	Ø48.3X3.68	890	API 5L GR B	5	7.2	—	
CWHTP005	003	2	Ø73X9.52	30	API 5L GR B	5	0.9	—	
CWHTP005	004	2	Ø42X5	5	API 5L GR B	5	0.1	—	
CWHTP005	005	2	Ø73X9.52	200	API 5L GR B	5	6	—	
CWHTP005	006	2	PL6X50	308	S275JR	5	1.5	—	
CWHTP005	007	4	BROOCH PIN	555	ELASTIC STEEL	5	0.3	—	
CWHTP006	001	1	Ø48.3X3.68	2945	API 5L GR B	5	11.9	—	
CWHTP006	002	2	Ø48.3X3.68	890	API 5L GR B	5	7.2	—	
CWHTP006	003	2	Ø73X9.52	30	API 5L GR B	5	0.9	—	
CWHTP006	004	2	Ø42X5	5	API 5L GR B	5	0.1	—	
CWHTP006	005	2	Ø73X9.52	200	API 5L GR B	5	6	—	
CWHTP006	006	2	PL6X50	308	S275JR	5	1.5	—	
CWHTP006	007	4	BROOCH PIN	555	ELASTIC STEEL	5	0.3	—	
CWHTP007	001	1	Ø48.3X3.68	2945	API 5L GR B	5	11.9	—	
CWHTP007	002	2	Ø48.3X3.68	890	API 5L GR B	5	7.2	—	
CWHTP007	003	2	Ø73X9.52	30	API 5L GR B	5	0.9	—	
CWHTP007	004	2	Ø42X5	5	API 5L GR B	5	0.1	—	
CWHTP007	005	2	Ø73X9.52	200	API 5L GR B	5	6	—	
CWHTP007	007	4	BROOCH PIN	555	ELASTIC STEEL	5	0.3	—	
						TOTALE	165.22	0.000	



SUPPORT FOR REMOVABLE HANDRAILS



BROOCH PIN FOR REMOVABLE HANDRAILS



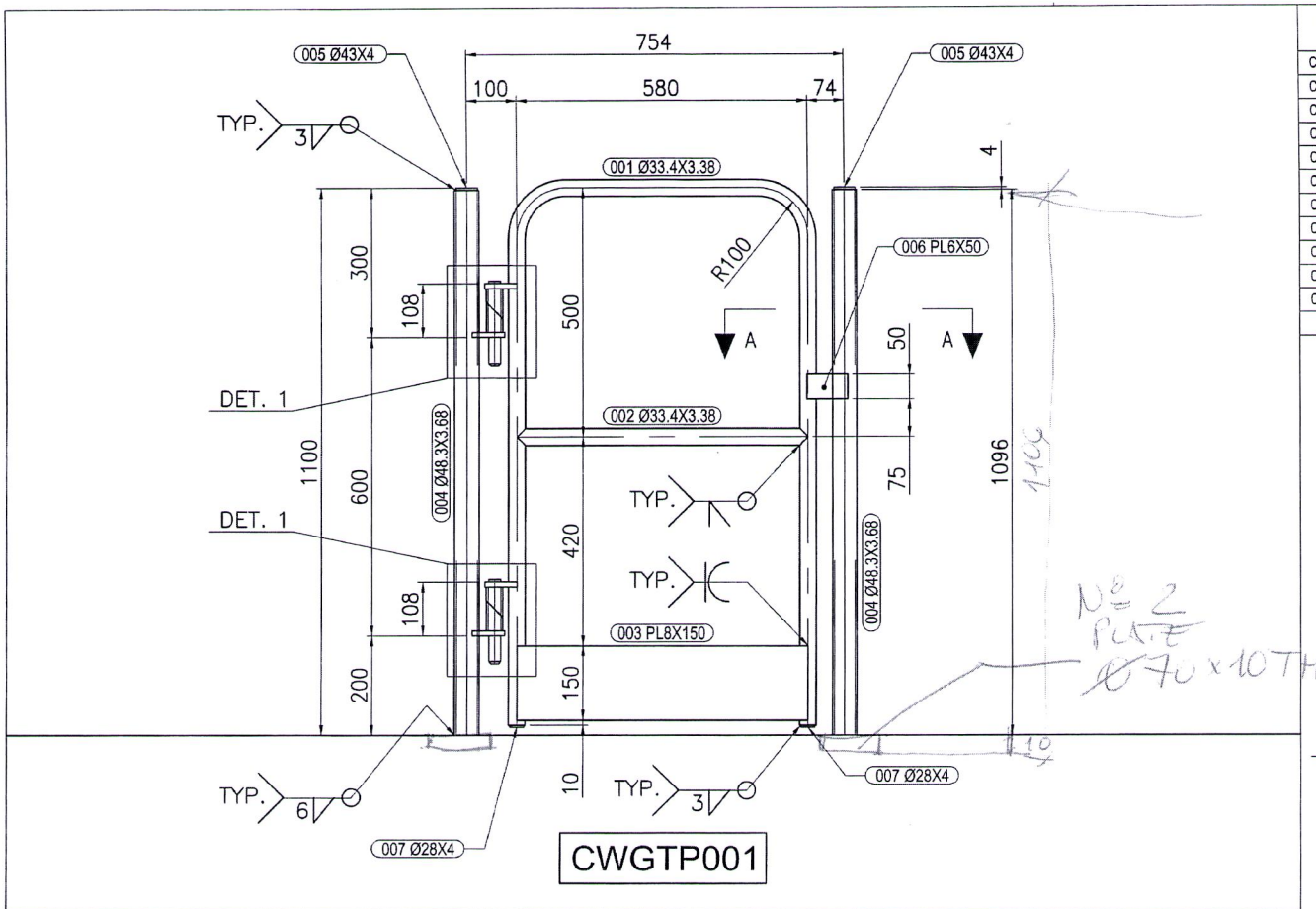
CLAMP FOR REMOVABLE HANDRAIL

BILL OF BOLTS					
MARK	Q.TY	DENOMINATION	MATERIAL	WEIGHT kg	NOTES
CWHTP001 ÷ CWHTP006	12	SCREW M 12*45	CL. 8.8	0.4	
	12	NUT M12	CL. 8	0.3	
	24	WASHER M12	R40	0.2	

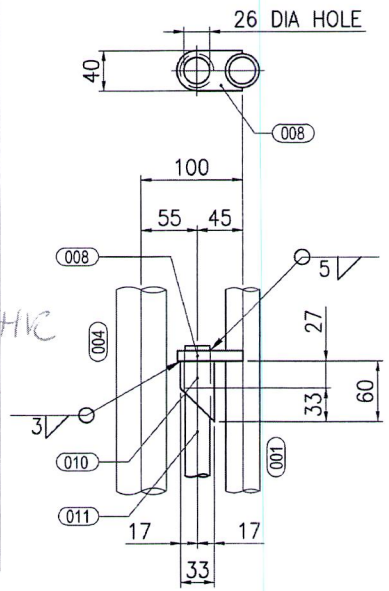
ROSETTI MARINO

CLIENTE / CUSTOMER: CROSSWIND	COMMESSA / JOB No: 123A90	DISEGNO N° / DWG No: 123A90-SK-029	
DESCRIPTION / DESCRIZIONE: HANDRAIL DETAILS - CWHTP001 ÷ CWHTP007	FILE N° / FILE No:	REV. N° / REV. No: 0	DATA / DATE: 11/11/24

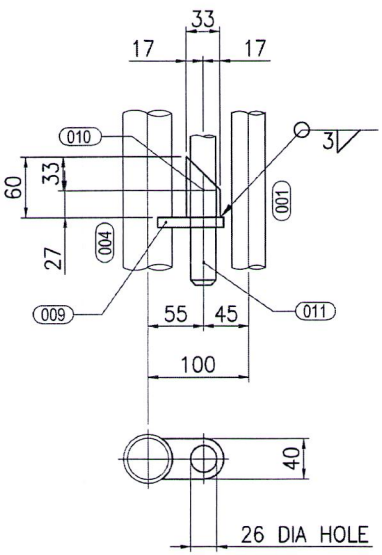
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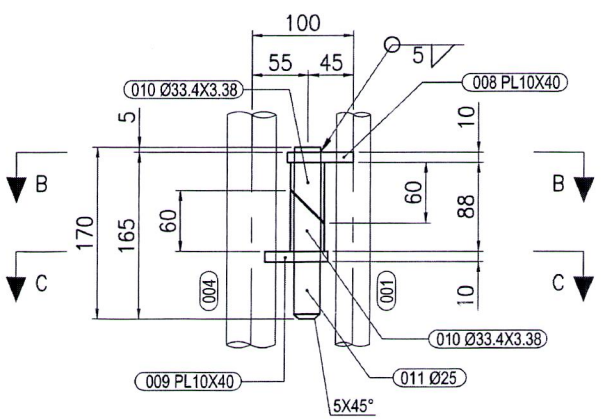
MARK	POS.	Q.TY	DENOMINATION	LENGTH (mm)	MATERIAL GRADE	STR. CAT.	WEIGHT (Kg)	P. SURF. (m^2)	NOTES
CWGTP001	001	1	Ø33.4X3.38	2654	API 5L GR B	5	6.4	------	
CWGTP001	002	1	Ø33.4X3.38	580	API 5L GR B	5	1.5	------	
CWGTP001	003	1	PL8X150	580	S275JR	5	5.5	------	
CWGTP001	004	2	Ø48.3X3.68	1096	API 5L GR B	5	8.9	------	
CWGTP001	005	2	Ø43X4	4	API 5L GR B	5	0.1	------	
CWGTP001	006	1	PL6X50	83	S275JR	5	0.2	------	
CWGTP001	007	2	Ø28X4	4	API 5L GR B	5	0.04	------	
CWGTP001	008	1	PL10X40	65	S275JR	5	0.2	------	
CWGTP001	009	1	PL10X40	62	S275JR	5	0.2	------	
CWGTP001	010	2	Ø33.4X3.38	60	API 5L GR B	5	0.4	------	
CWGTP001	011	1	Ø25	170	API 5L GR B	5	0.7	------	
						TOTALE	24.11	0.000	



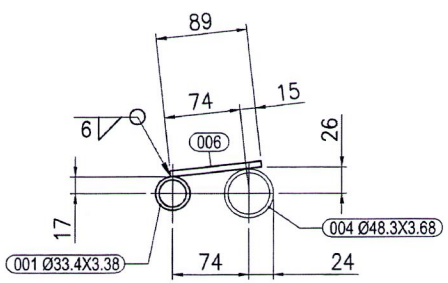
SECTION D–D



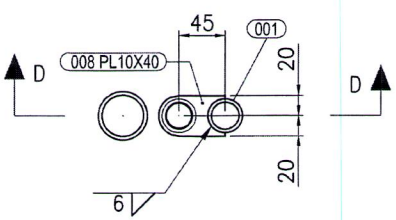
SECTION E–E



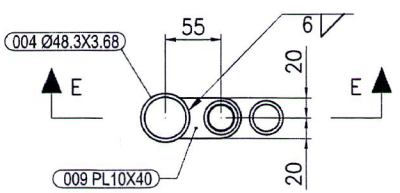
DETAIL 1



SECTION A–A



SECTION B–B



SECTION C–C

ROSETTI MARINO

CLIENTE / CUSTOMER: CROSSWIND	COMMESSA / JOB No: 123A90	DISEGNO N° / DWG No: 123A90-SK-031	
DESCRIPTION / DESCRIZIONE: GATE DETAILS - CWGTP001	FILE N° / FILE No:	REV. N° / REV. No: 0	DATA / DATE: 11/11/24

A3

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: E_01.A		Pages:	1 of 13
Item description: UNION ZONE LOWER DECK SOUTH + LOWER DECK NORTH		Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna		Issue date: 01/06/2024	
Applicable ITP: 123A90-PML-QHSE-ITP-00074		Reference DWG: See Annex for drawings and treated areas	

SURFACE PREPARATION					
Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 68 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 16 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	27/05/2024 8:30	15,1	70,6	9,8	14,4
Conditioned	27/05/2024 12:00	20,1	57,6	11,5	18,9

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3410797	3424163	3340635	N.A.	
Expiration date:	01/06/2026	25/02/2028	23/11/2027	N.A.	
Batch Parte B:	2887683	3365666	3344297	N.A.	
Expiration date:	25/08/2024	02/01/2028	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	27/05/2024	29/05/2024	31/05/2024	N.A.	
Start / Stop time:	12:30 / 15:00	12:00 / 16:00	11:00/14:30	N.A.	
Air temperature:	20,1	18,6	18,1	N.A.	
Surface temperature:	18,9	17,9	17,4	N.A.	
Dew point:	11,5	10,3	9,0	N.A.	
Relative humidity:	57,6	58,4	55,3	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	59/90/76	255/315/289	329/381/345	N.A.	
Inspection date & time:	28/05/2024	30/05/2024	01/06/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐ Risultato: OK ☐ Not OK ☐	Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. Addetto 2735		

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO

PAINT APPLICATION REPORT
COMPANY: HOLLANDSE KUST NOORD WIND PARK
PROJECT: CROSSWIND
JOB: 123A90

Document number: E_01.B	Pages: 2 of 13
Item description: UNION ZONE LOWER DECK SOUTH + LOWER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 01/06/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 68 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 15,4 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	28/05/2024 10:30	18,6	64,7	11,8	18,0
Conditioned	28/05/2024 13:00	21,5	58,9	13,1	20,8

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3410797	3424163	3340635	N.A.	
Expiration date:	01/06/2026	25/02/2028	23/11/2027	N.A.	
Batch Parte B:	2887683	3365666	3344297	N.A.	
Expiration date:	25/08/2024	02/01/2028	27/11/2027	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	28/05/2024	29/05/2024	31/05/2024	N.A.	
Start / Stop time:	13:30 / 15:30	12:00 / 16:00	11:00/14:30	N.A.	
Air temperature:	21,5	18,6	18,1	N.A.	
Surface temperature:	20,8	17,9	17,4	N.A.	
Dew point:	13,1	10,3	9,0	N.A.	
Relative humidity:	58,9	58,4	55,3	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	52/90/70	265/325/290	330/405/360	N.A.	
Inspection date & time:	29/05/2024	30/05/2024	01/06/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO S.p.A. Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. E_01A	pag 3 of 13	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

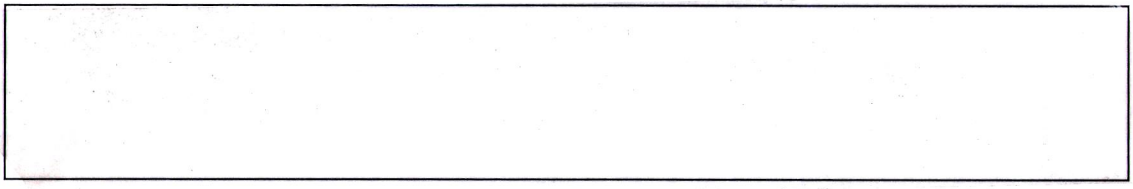
Test 1



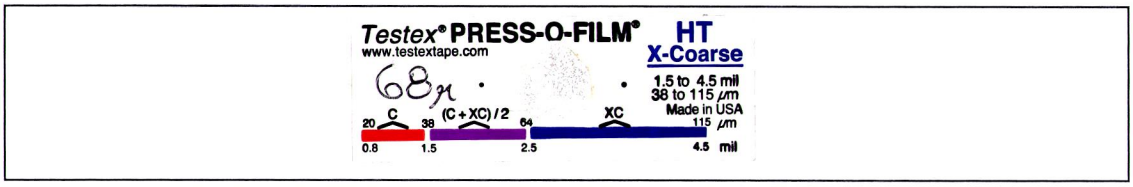
Test 2



Test 3



Test 4



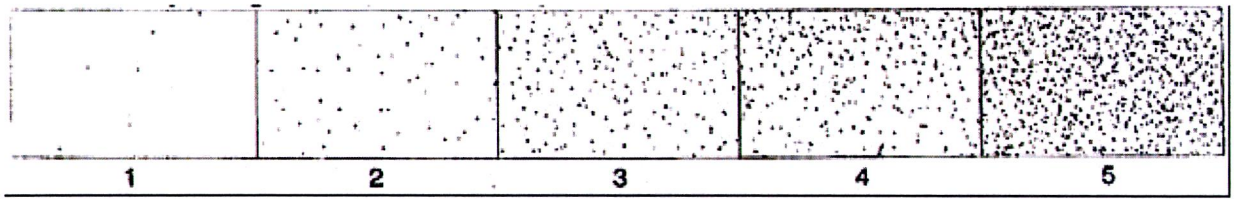
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA KAM FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. ANTI 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. E_01B	pag 4 of 13	Issued by: Alex Sanna

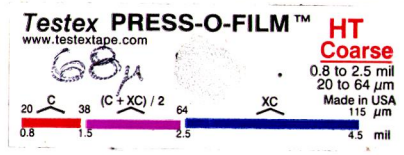
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



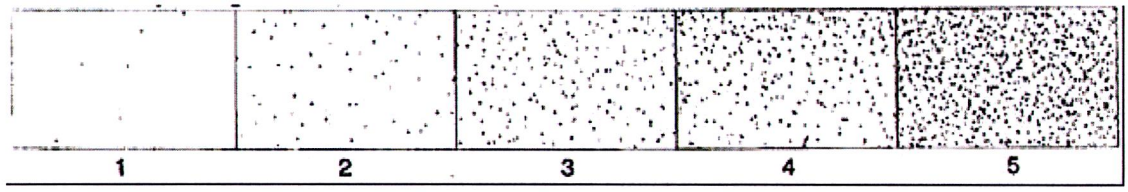
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AnPP 2735		

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO	**PAINT APPLICATION REPORT** **COMPANY: HOLLANDSE KUST NOORD WIND PARK** **PROJECT: CROSSWIND** **JOB: 123A90**

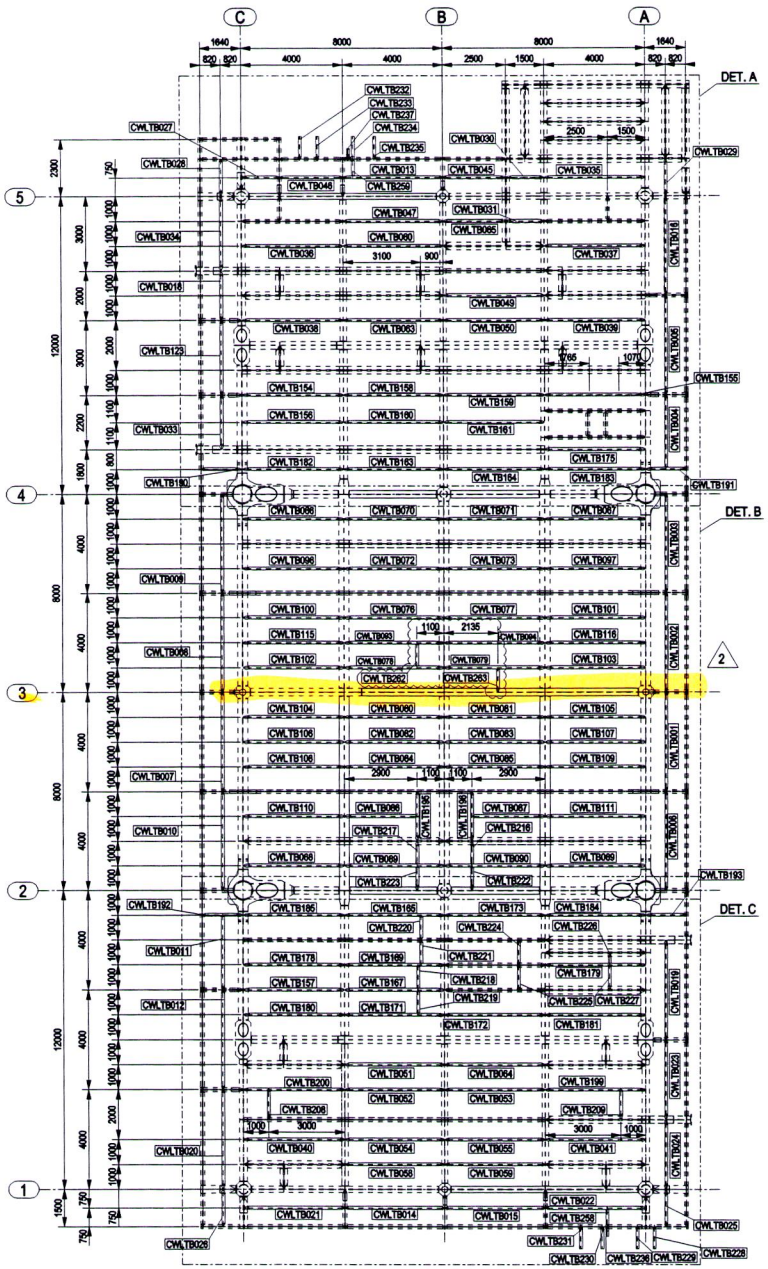
Document number: E_01_	Pages: 5 of 13	
Item description: UNION ZONE LOWER DECK SOUTH + LOWER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna	Issue date:	01/06/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED

NAME / DESCRIPTION:	QUANTITY	DWG / LIST
BASE LOAD POWER HUB TOPSIDE - SECONDARY STEEL PLAN AT EL. +23310 T.D.S. - SCHET 2	1	123A90-DDL-ST-DD-90241

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Ispettore [redacted]	Ispettore Terza Parte
Nome	A. SANNA	A. RENESTO	[redacted]	
Firma	ALEX SANNA ... CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMM 2755		

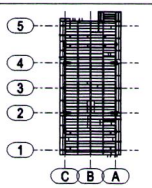


PLAN AT EL.+23310 TOS

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.
3 – FOR MARKS LIST SEE DWG 123A90-FDL-ST-DD-90240
4 – FOR DETAILS SEE 123A90-FDL-ST-DD-90242 TO 90244

KEY PLAN



PLAN AT EL.+23310 TOS

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90104	TOPSIDE-SECONDARY STEEL PLAN AT EL.+23310 TOS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
2	16/05/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
1	05/03/2024	CM-TS	MR	DC	REVISED WHERE INDICATED
0	31/01/2024	CM-TS	MR	DC	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOP SIDES – TERTIARY PLAN AT EL. +23310 TOS
ASSEMBLY TERTIARY

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK				SCALE 1:100
DRAWN CM-TS	CHECKED M.ROSSI	APPROVED D.CASADIO		DATE 16/05/2024
A1	DRAWING NO. 123A90-FDL-ST-DD-90241		SHEET 001	REV. 2

Trieste, 21/03/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3336076-1-*-1:2	21/11/2023	20/11/2027
HARDTOP XP RAL 7035 A 18.2L	3340635-1-*-1:3	24/11/2023	23/11/2027
HARDTOP XP, COMP B 1.8L	3344297-1-*-1:2	28/11/2023	27/11/2027
BARRIER 80 S, EU COMP B 1.25L	2887683-1-*-1:2	31/08/2022	30/08/2024
BARRIER 80 S, EU COMP B 1.25L	2887677-1-*-1:2	11/08/2022	10/08/2024
BARRIER 80 S GREY A 7.5L	3397565-1-*-1:2	19/01/2024	18/01/2026
BARRIER 80 S GREY A 7.5L	3407381-1-*-1:2	30/01/2024	29/01/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9683518015	12/01/2024	11/01/2028
PENGUARD UNI GREY A 15L	3389769-1-*-1:2	15/01/2024	14/01/2028
PENGUARD UNI, COMP B 5L	3347831-1-*-1:2	30/11/2023	29/11/2027
PENGUARD UNI GREY A 15L	3389769-1-*-1:2	15/01/2024	14/01/2028
PENGUARD UNI GREY A 15L	3424163-1-*-1:2	27/02/2024	26/02/2028
PENGUARD UNI, COMP B 5L	3402241-1-*-1:2	24/01/2024	23/01/2028
PENGUARD UNI, COMP B 5L	3365666-1-*-1:2-1	03/01/2024	02/01/2028
PENGUARD UNI, COMP B 5L	3347831-1-*-1:2	30/11/2023	29/11/2027
BARRIER 80 S GREY A 7.5L	3420911-1-*-1:2	15/02/2024	14/02/2026
BARRIER 80 S GREY A 7.5L	3410797-1-*-1:2	05/02/2024	04/02/2026
BARRIER 80 S, EU COMP B 1.25L	2887683-1-*-1:3	31/08/2022	30/08/2024

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 02/02/2024
Batch No: 3410797-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 01/02/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2622	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	750	400 - um
VISCOSITY STORMER/ASTM D 562	120	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609647**

Analysis number: **4122447**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 26/08/2022
Batch No: 2887683-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 25/08/2024

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	930	912 - 952 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609140**

Analysis number: **3458161**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 03.01.2024
Batch No: 3365666-1-*-1:2
Product Code: 0R5CPBFVA

Best Before Date : 02.01.2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	951	950 - 970 kg/m3

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Place and date: **Cerkezköy Fact 04.01.2024**

Koca, Hakan
QC-laboratory

Document number: **74790550**

Analysis number: **4072181**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 26/02/2024
Batch No: 3424163-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 25/02/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	760	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609501** Analysis number: **4143420**

Trieste, 21/03/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3336076-1-*-1:2	21/11/2023	20/11/2027
HARDTOP XP RAL 7035 A 18.2L	3340635-1-*-1:3	24/11/2023	23/11/2027
HARDTOP XP, COMP B 1.8L	3344297-1-*-1:2	28/11/2023	27/11/2027
BARRIER 80 S, EU COMP B 1.25L	2887683-1-*-1:2	31/08/2022	30/08/2024
BARRIER 80 S, EU COMP B 1.25L	2887677-1-*-1:2	11/08/2022	10/08/2024
BARRIER 80 S GREY A 7.5L	3397565-1-*-1:2	19/01/2024	18/01/2026
BARRIER 80 S GREY A 7.5L	3407381-1-*-1:2	30/01/2024	29/01/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9683518015	12/01/2024	11/01/2028
PENGUARD UNI GREY A 15L	3389769-1-*-1:2	15/01/2024	14/01/2028
PENGUARD UNI, COMP B 5L	3347831-1-*-1:2	30/11/2023	29/11/2027
PENGUARD UNI GREY A 15L	3389769-1-*-1:2	15/01/2024	14/01/2028
PENGUARD UNI GREY A 15L	3424163-1-*-1:2	27/02/2024	26/02/2028
PENGUARD UNI, COMP B 5L	3402241-1-*-1:2	24/01/2024	23/01/2028
PENGUARD UNI, COMP B 5L	3365666-1-*-1:2-1	03/01/2024	02/01/2028
PENGUARD UNI, COMP B 5L	3347831-1-*-1:2	30/11/2023	29/11/2027
BARRIER 80 S GREY A 7.5L	3420911-1-*-1:2	15/02/2024	14/02/2026
BARRIER 80 S GREY A 7.5L	3410797-1-*-1:2	05/02/2024	04/02/2026
BARRIER 80 S, EU COMP B 1.25L	2887683-1-*-1:3	31/08/2022	30/08/2024

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 24/11/2023
Batch No: 3340635-1-*-1:3
Product Code: 0UV967UMA
Best Before Date : 23/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	320	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1363	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.35	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609425** Analysis number: **4021791**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 28/11/2023
Batch No: 3344297-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 27/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	609	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1137	1110 - 1150 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Holloway, Dave
QC-laboratory

Document number: **75609404**

Analysis number: **4022028**

ROSETTI MARINO

PAINT APPLICATION REPORT
COMPANY: HOLLANDSE KUST NOORD WIND PARK
PROJECT: CROSSWIND
JOB: 123A90

Document number: E_02.A	Pages: 1 of 14
Item description: UNION ZONE UPPER DECK SOUTH + UPPER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 06/07/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 58 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 12 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	01/07/2024 10:30	25,6	61,7	17,7	24,7
Conditioned	01/07/2024 13:00	29,6	58,9	20,7	27,8

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3483909	3440386	3476703	N.A.	
Expiration date:	17/04/2026	20/03/2028	18/04/2028	N.A.	
Batch Parte B:	3503357	3453997	3509693	N.A.	
Expiration date:	08/05/2026	14/03/2028	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	01/07/2024	03/07/2024	05/07/2024	N.A.	
Start / Stop time:	13:30 / 15:00	12:00 / 15:00	11:00/14:00	N.A.	
Air temperature:	29,6	28,4	26,0	N.A.	
Surface temperature:	27,8	27,5	24,6	N.A.	
Dew point:	20,7	20,9	19,4	N.A.	
Relative humidity:	58,9	63,8	67,1	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	55/90/77	244/321/294	325/390/356	N.A.	
Inspection date & time:	02/07/2024	04/07/2024	06/07/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☑
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: E_02.B	Pages: 2 of 14
Item description: UNION ZONE UPPER DECK SOUTH + UPPER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 06/07/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 61 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 14 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	02/07/2024 10:30	24,6	61,6	16,7	24,1
Conditioned	02/07/2024 12:30	29,5	51,8	18,5	28,4

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3483909	3440386	3476703	N.A.	
Expiration date:	17/04/2026	20/03/2028	18/04/2028	N.A.	
Batch Parte B:	3503357	3453997	3509693	N.A.	
Expiration date:	08/05/2026	14/03/2028	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	02/07/2024	03/07/2024	05/07/2024	N.A.	
Start / Stop time:	13:00 / 14:30	12:00 / 15:00	11:00/14:00	N.A.	
Air temperature:	29,5	28,4	26,0	N.A.	
Surface temperature:	28,4	27,5	24,6	N.A.	
Dew point:	18,5	20,9	19,4	N.A.	
Relative humidity:	51,8	63,8	67,1	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	54/88/71	264/325/281	330/396/350	N.A.	
Inspection date & time:	03/07/2024	04/07/2024	06/07/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:
Risultato:	OK ☐	Not OK ☐	

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIONE CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. APIM 2433		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. E_02A	pag 3 of 14	Issued by: Alex Sanna

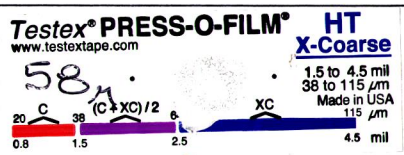
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



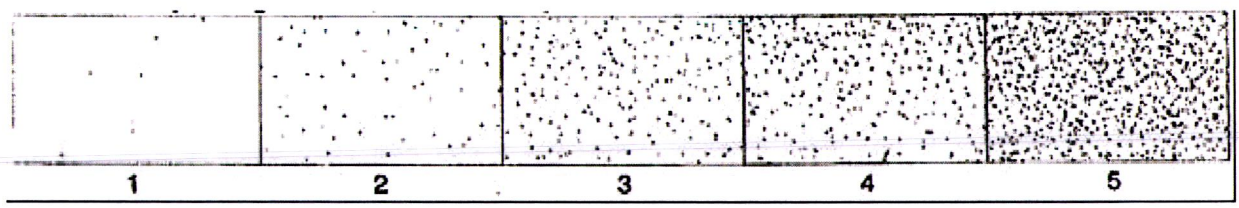
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

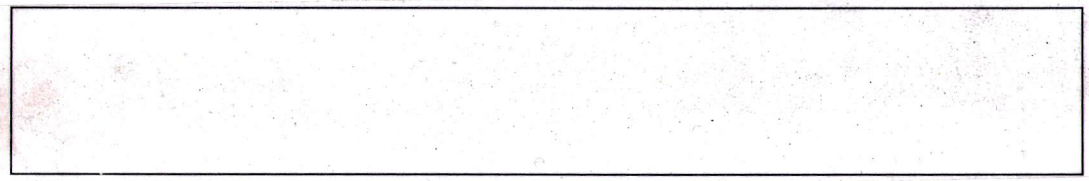
	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma		ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. ANPP 2735		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. E_02B	pag 4 of 14	Issued by: Alex Sanna

DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

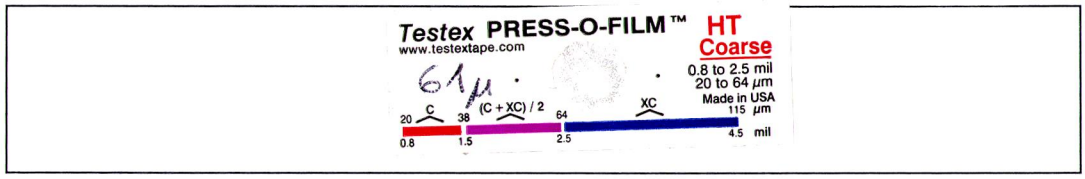


Test 2



Test 3

Test 4



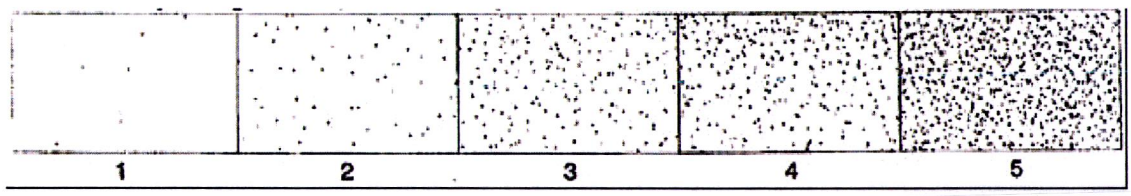
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ✓	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ✓	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma				

ALEX SANNA FROSIO CERT. Nr. 7027

ROSETTI MARINO SpA
Alberto Renesto
Quality Control Dept.
Ann 2735

ROSETTI MARINO	**PAINT APPLICATION REPORT** **COMPANY: HOLLANDSE KUST NOORD WIND PARK** **PROJECT: CROSSWIND** **JOB: 123A90**

Document number: E_02_	Pages:	3 of 14
Item description: UNION ZONE UPPER DECK SOUTH + UPPER DECK NORTH	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna	Issue date:	06/07/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED

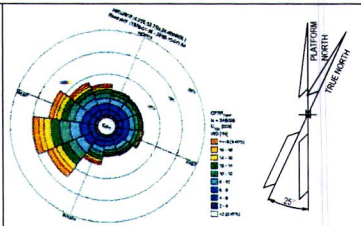
NAME / DESCRIPTION:	QUANTITY	DWG / LIST
BASE LOAD POWER HUB TOPSIDE - SECONDARY STEEL PLAN AT EL. +33310	1	123A90-DDL-ST-DD-90105

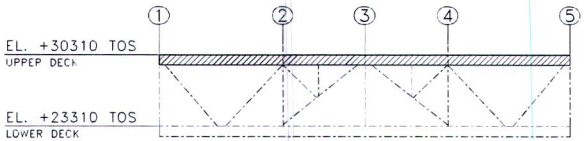
RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA AAA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMPP 2735		

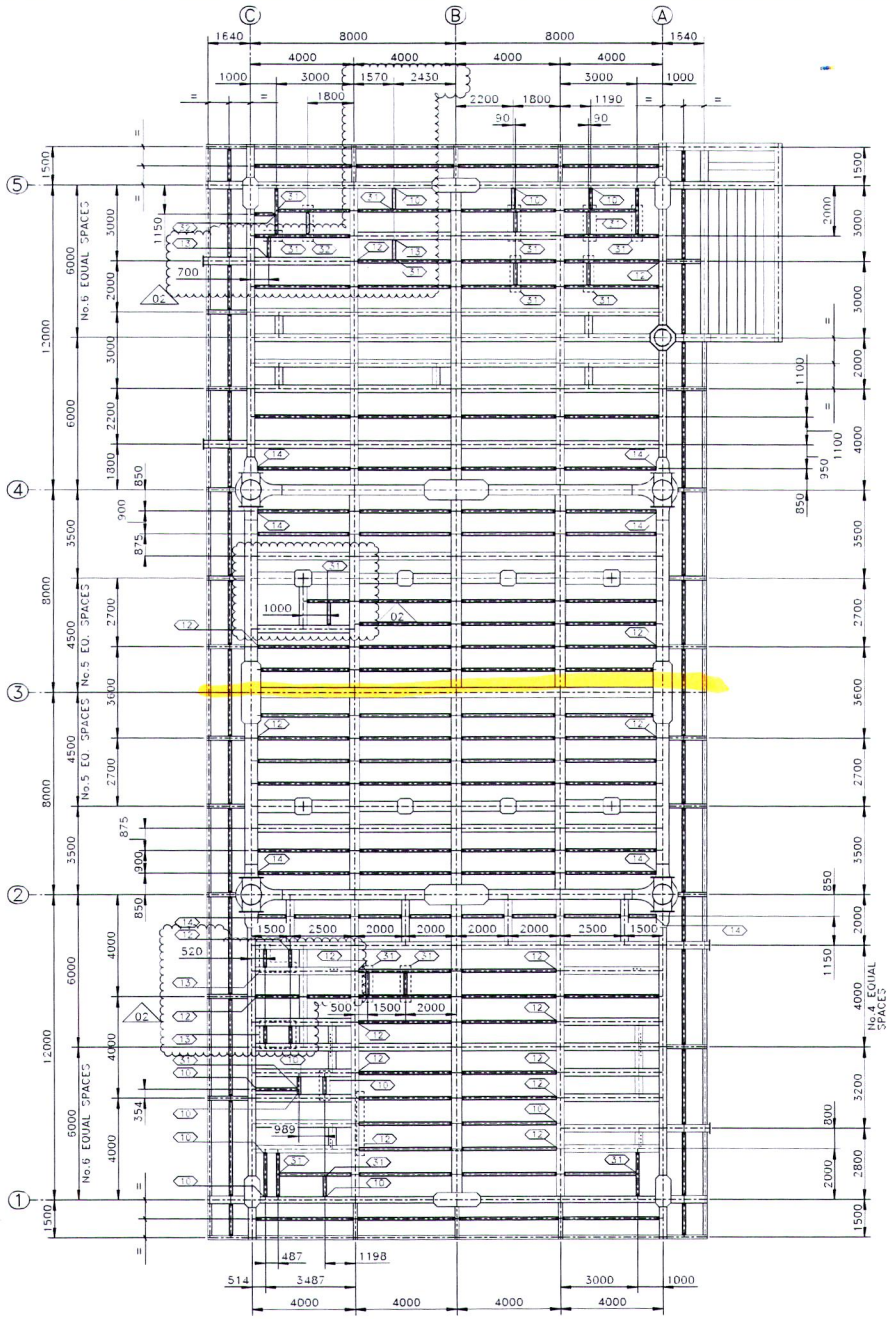
DRAWING NO. 123A90-DDL-ST-DD-90105

REV. 02





KEY ELEVATION
SCALE 1:250



PLAN AT EL.+30310 TOS
ALL BEAMS ARE IPE240 U.N.O. - ALL CONNECTIONS ARE (11) U.N.O.
SCALE 1:100

NOTES

1 - ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 - ALL ELEVATIONS ARE REFERED TO C.D.
3 - ALL STIFFENER MATERIALS ARE DC4-III-355-0 U.N.O.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
IPE240	DC4-III-355-0

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90034	TYPICAL BEAM CONNECTIONS
123A90-DDL-ST-DD-90050	PRIMARY STEEL - PLAN AT EL +30310 TOS
123A90-DDL-ST-DD-90058	SEC. STEEL - PLAN AT EL +30310 TOS - SH. 1

tecon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	16/09/24	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	23/05/24	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	01/12/23	SOR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE - SECONDARY STEEL
PLAN AT EL. +30310 T.O.S. - SHEET 2

CONTRACT NO./TITLE CW-1-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:100

DRAWN S.ORIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 16/09/24

SIZE	DRAWING NO.	SHEET	REV.
A1	123A90-DDL-ST-DD-90105	001	02

File Name : 123A90-DDL-ST-DD-90105_02.dwg

Trieste, 16/07/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
BARRIER 80 S GREY A 7.5L	3483909-1-*-1:2	17/04/2024	17/04/2026
BARRIER 80 S, EU COMP B 1.25L	3503357-1-*-1:2-1	08/05/2024	08/05/2026

Jotun Italia Srl
Soggetto all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S GREY A 7.5L
Colour:	
Production Date:	17/04/2024
Batch No:	3483909-1-*-1:2
Product Code:	6BRGREHQA
Best Before Date :	17/04/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2640	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	140	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743179**

Analysis number: **4241845**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	8.05.2024
Batch No:	3503357-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	8.05.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	931	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 9.05.2024**

Onk, Necmettin
QC-laboratory

Document number: **76043090**

Analysis number: **4279604**

Trieste, 16/07/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3476703-1-*-1:2	19/04/2024	18/04/2028
PENGUARD UNI GREY A 15L	3440386-1-*-1:3-1	21/03/2024	20/03/2028
PENGUARD UNI, COMP B 5L	3453997-1-*-1:2	15/03/2024	14/03/2028
PENGUARD UNI, COMP B 5L	3453990-1-*-1:2	15/03/2024	14/03/2028
HARDTOP XP, COMP B 1.8L	3509693-1-*-1:2	11/05/2024	10/05/2028
JOTUN THINNER NO. 17 (IT) 20L	01D9690800015	23/05/2024	22/05/2028
JOTUN THINNER NO. 10 20L	01D9690023005	10/05/2024	09/05/2028
PENGUARD TIECOAT 100 RED A 13L	3431610-1-*-1:2	23/02/2024	22/02/2026
PENGUARD TIECOAT 100, CPB 6.5L	3452462-1-*-1:2	14/03/2024	13/03/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 3/21/2024
Batch No: 3440386-2-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 3/20/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	900	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	548	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1550	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 3/22/2024**

Karademir, Tamer
QC-laboratory

Document number: **75562876**

Analysis number: **4205454**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 10/05/2024
Batch No: 3509693-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 09/05/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	579	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743314**

Analysis number: **4281816**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 19/04/2024
Batch No: 3476703-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 18/04/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	280	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1390	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.31	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743210**

Analysis number: **4247572**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B 1.8L
Colour:	
Production Date:	10/05/2024
Batch No:	3509693-1-*-1:2
Product Code:	0UVCPBBTA
Best Before Date :	09/05/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	579	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743314**

Analysis number: **4281816**

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: E_03.A	Pages: 1 of 18
Item description: UNION ZONE UPPER DECK + LOWER DECK	Applicable Procedure: 123A90-PML-QHSE-RE-00093
Issued by: Alex Sanna	Issue date: 19/07/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas

SURFACE PREPARATION

Steel preparation: According to ISO_8501-3 (P3)		Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.	
Abrasive type & mesh: metal grit H50		Anchor Profile recorded [µm]: Medium G ISO 8503-1. 62 µm	
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.		Test for solublesalts [mg/m2]	Actual value: 13,2 [mg/m2]
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.			Max acceptable value: 20 [mg/m2]

Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	15/07/2024 9:30	21,8	68,4	15,7	20,9
Conditioned	15/07/2024 13:00	28,4	55,9	18,7	28,1

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3483909	3440386	3476703	N.A.	
Expiration date:	17/04/2026	20/03/2028	18/04/2028	N.A.	
Batch Parte B:	3503357	3453997	3509693	N.A.	
Expiration date:	08/05/2026	14/03/2028	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	15/07/2024	17/07/2024	18/07/2024	N.A.	
Start / Stop time:	13:30 / 15:00	10:00 / 14:00	10:30/14:00	N.A.	
Air temperature:	28,4	27,9	27,4	N.A.	
Surface temperature:	28,1	26,9	25,6	N.A.	
Dew point:	18,7	20,9	19,3	N.A.	
Relative humidity:	55,9	65,8	61,4	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	52/84/72	240/330/275	322/378/360	N.A.	
Inspection date & time:	16/07/2024	18/07/2024	19/07/2024	N.A.	

Holiday test: Performed ☐ Not Performed ☐
Risultato: OK ☐ Not OK ☐

Adhesion Testing:

EQUIPMENT

TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. Renesto	L. DALESSANDRO	
Firma	ALEX SANNA KKK FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept.		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Document number: E_03.B		Pages:	2 of 18
Item description: UNION ZONE UPPER DECK + LOWER DECK		Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna		Issue date: 19/07/2024	
Applicable ITP: 123A90-PML-QHSE-ITP-00074		Reference DWG: See Annex for drawings and treated areas	

SURFACE PREPARATION					
Steel preparation: According to ISO_8501-3 (P3)			Surface degreasing: according to SSPC-SP 1 to remove oil, grease, etc.		
Abrasive type & mesh: metal grit H50			Anchor Profile recorded [µm]: Medium G ISO 8503-1. 58 µm		
Steel Surface cleanliness: : Sa 2½ secondo ISO 8501-1.			Test for solublesalts [mg/m2]	Actual value: 16 [mg/m2]	
Dust test assessment: : secondo ISO 8502-3. Vedi allegato Nr: 1.				Max acceptable value: 20 [mg/m2]	
Weather conditions:	Date & time:	Temperatura Aria °C:	Relative humidity %:	Dew point °C:	Surface temperature °C:
Conditoned	16/07/2024 9:00	22,6	65,8	15,9	21,8
Conditioned	16/07/2024 12:00	28,7	56,4	19,2	27,5

Coating System Nº 1	Paint manufacturer: JOTUN				NOTE
	1) First Coat	2) Second Coat	3) Third Coat	4) Fourth coat	
Product name:	BARRIER 80 S GREY	PENGUARD UNI GREY	HARDTOP XP	N.A.	Mixing, dilution, stripe coat and all painting intervals have been verified and comply with the information contained in the data sheet for each product applied.
Batch number Part A:	3483909	3440386	3476703	N.A.	
Expiration date:	17/04/2026	20/03/2028	18/04/2028	N.A.	
Batch Parte B:	3503357	3453997	3509693	N.A.	
Expiration date:	08/05/2026	14/03/2028	09/05/2028	N.A.	
Color:	Grey	GREY	RAL 7035	N.A.	
Application method:	SPRAY AIRLESS	SPRAY AIRLESS	SPRAY AIRLESS	N.A.	
Application date:	16/07/2024	17/07/2024	18/07/2024	N.A.	
Start / Stop time:	12:30 / 14:00	10:00 / 14:00	10:30/14:00	N.A.	
Air temperature:	28,7	27,9	27,4	N.A.	
Surface temperature:	27,5	26,9	25,6	N.A.	
Dew point:	19,2	20,9	19,3	N.A.	
Relative humidity:	56,4	65,8	61,4	N.A.	
Wet film thickness:	100	270	80	N.A.	
DFT Min/Max/Av [µm]:	55/95/70	240/340/280	328/418/373	N.A.	
Inspection date & time:	17/07/2024	18/07/2024	19/07/2024	N.A.	

Holiday test:	Performed ☐	Not Performed ☐	Adhesion Testing:
Risultato:	OK ☐	Not OK ☐	

EQUIPMENT		
TYPE	S. NUMBER	EXPIRY DATE
ELCOMETER G319-T DEWPOINT METER	TA11281	Vedere il certificato di taratura n. 1JT1234ST
PAINT TEST EQUIPMENT REPLICA TAPE GAUGE	358/5/J	Vedere il certificato di taratura n. 1JD0895SP
ELCOMETER 456 COATING THICKNESS GAUGE	SD16184	Vedere il certificato di taratura n. 1KD01425P
HORIBA TWIN-COND B-173 - BRESLE TEST	EE6L0247	Vedere il certificato di taratura n. 1JM0376CD

RESULT: **CONFORMING** ☑ **NOT CONFORMING** ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AWP 2455		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. E_03B	pag 4 of 18	Issued by: Alex Sanna

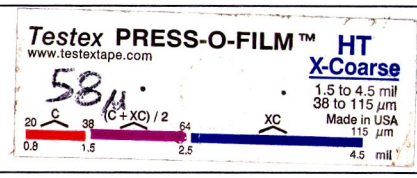
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



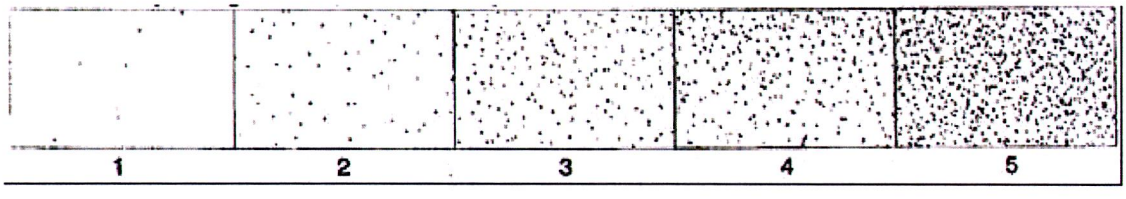
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA Specialista FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. 11/12/23		

ROSETTI MARINO	PAINT APPLICATION REPORT COMPANY: HOLLANDSE KUST NOORD WIND PARK PROJECT: CROSSWIND JOB: 123A90

Annex n.1/ Doc. E_03A	pag 3 of 18	Issued by: Alex Sanna

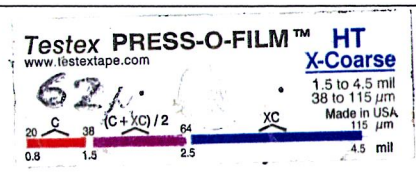
DUST ASSESSMENT ACCORDING TO ISO 8502-3

Test 1

Test 2

Test 3

Test 4



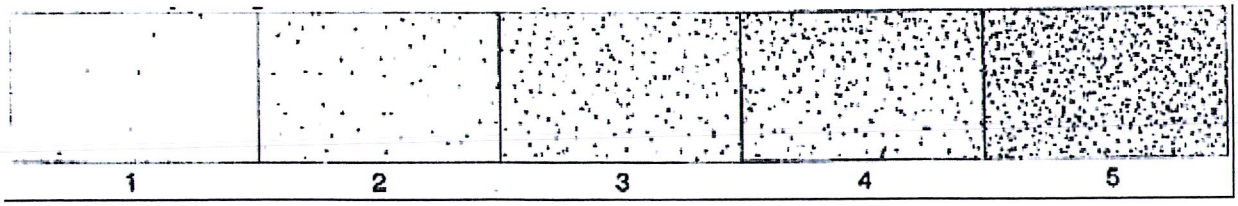
VALUES OF ACCEPTABILITY

Particle size of powder:	1 ☐	2 ☑	3 ☐	4 ☐	# 5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

MEASURED VALUES

Particle size of powder:	1 ☑	2 ☐	3 ☐	4 ☐	5 ☐
Evaluation of dust quantities:	1 ☐	2 ☑	3 ☐	4 ☐	5 ☐

REFERENCE VALUES FOR THE QUANTITY OF DUST



RESULT: CONFORMING ☑ NOT CONFORMING ☐

	QC Applicator	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA FROSIO CERT. Nr. 7021	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AIPPP 2735		

ROSETTI MARINO	**PAINT APPLICATION REPORT** **COMPANY: HOLLANDSE KUST NOORD WIND PARK** **PROJECT: CROSSWIND** **JOB: 123A90**

Document number: E_03_	Pages: 5 of 18	
Item description: UNION ZONE UPPER DECK + LOWER DECK	Applicable Procedure: 123A90-PML-QHSE-RE-00093	
Issued by: Alex Sanna	Issue date:	19/07/2024
Applicable ITP: 123A90-PML-QHSE-ITP-00074	Reference DWG: See Annex for drawings and treated areas	

LIST OF ITEMS INSPECTED

NAME / DESCRIPTION:	QUANTITY	DWG / LIST
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -A-	1	123A90-DDL-ST-DD-90042
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -C-	1	123A90-DDL-ST-DD-90044
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -8-	1	123A90-DDL-ST-DD-90043
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -2 & 4-	1	123A90-DDL-ST-DD-90048
BASE LOAD POWER HUB TOPSIDE - PRIMARY STEEL ELEVATION AT ROW -1-	1	123A90-DDL-ST-DD-90045

RISULTATI: **CONFORME** ☑ **NON CONFORME** ☐

	QC Applicatore	QC Rosetti Marino	Client/company	
Nome	A. SANNA	A. RENESTO	L. DALESSANDRO	
Firma	ALEX SANNA QUALITY CONTROL FROSIO CERT. Nr. 7027	ROSETTI MARINO SpA Alberto Renesto Quality Control Dept. AMM 2439		

Trieste, 16/07/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
BARRIER 80 S GREY A 7.5L	3483909-1-*-1:2	17/04/2024	17/04/2026
BARRIER 80 S, EU COMP B 1.25L	3503357-1-*-1:2-1	08/05/2024	08/05/2026

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento **da parte** della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 17/04/2024
Batch No: 3483909-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 17/04/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2640	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	140	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743179**

Analysis number: **4241845**

CERTIFICATE OF ANALYSIS

CoA

Product:	BARRIER 80 S, EU COMP **B 1.25L**
Colour:	
Production Date:	8.05.2024
Batch No:	3503357-1-*-1:2
Product Code:	6BRCASBMF
Best Before Date :	8.05.2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	931	912 - 952 kg/m3

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Place and date: **Cerkezköy Fact 9.05.2024**

Onk, Necmettin
QC-laboratory

Document number: **76043090**

Analysis number: **4279604**

Trieste, 16/07/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3476703-1-*-1:2	19/04/2024	18/04/2028
PENGUARD UNI GREY A 15L	3440386-1-*-1:3-1	21/03/2024	20/03/2028
PENGUARD UNI, COMP B 5L	3453997-1-*-1:2	15/03/2024	14/03/2028
PENGUARD UNI, COMP B 5L	3453990-1-*-1:2	15/03/2024	14/03/2028
HARDTOP XP, COMP B 1.8L	3509693-1-*-1:2	11/05/2024	10/05/2028
JOTUN THINNER NO. 17 (IT) 20L	01D9690800015	23/05/2024	22/05/2028
JOTUN THINNER NO. 10 20L	01D9690023005	10/05/2024	09/05/2028
PENGUARD TIECOAT 100 RED A 13L	3431610-1-*-1:2	23/02/2024	22/02/2026
PENGUARD TIECOAT 100, CPB 6.5L	3452462-1-*-1:2	14/03/2024	13/03/2028

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910159

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 3/21/2024
Batch No: 3440386-2-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 3/20/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	900	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	548	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1550	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **Cerkezköy Fact 3/22/2024**

Karademir, Tamer
QC-laboratory

Document number: **75562876**

Analysis number: **4205454**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	15/03/2024
Batch No:	3453997-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	14/03/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	946	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743509**

Analysis number: **4189590**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 19/04/2024
Batch No: 3476703-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 18/04/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	280	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1390	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	4	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.31	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 16/07/2024**

Document number: **76743210**

Analysis number: **4247572**

CERTIFICATE OF ANALYSIS

CoA

Product:	HARDTOP XP, COMP B 1.8L
Colour:	
Production Date:	10/05/2024
Batch No:	3509693-1-*-1:2
Product Code:	0UVCPBBTA
Best Before Date :	09/05/2028

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	579	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1124	1110 - 1150 kg/m3

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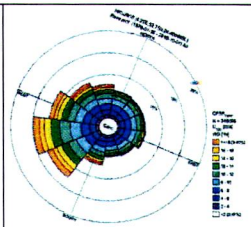
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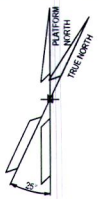
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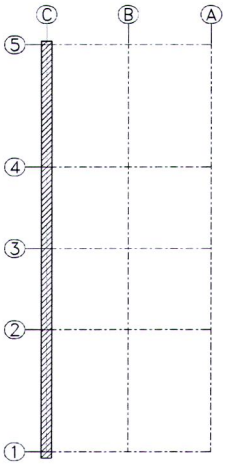
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DWG No. 123A90-DDL-ST-DD-90044

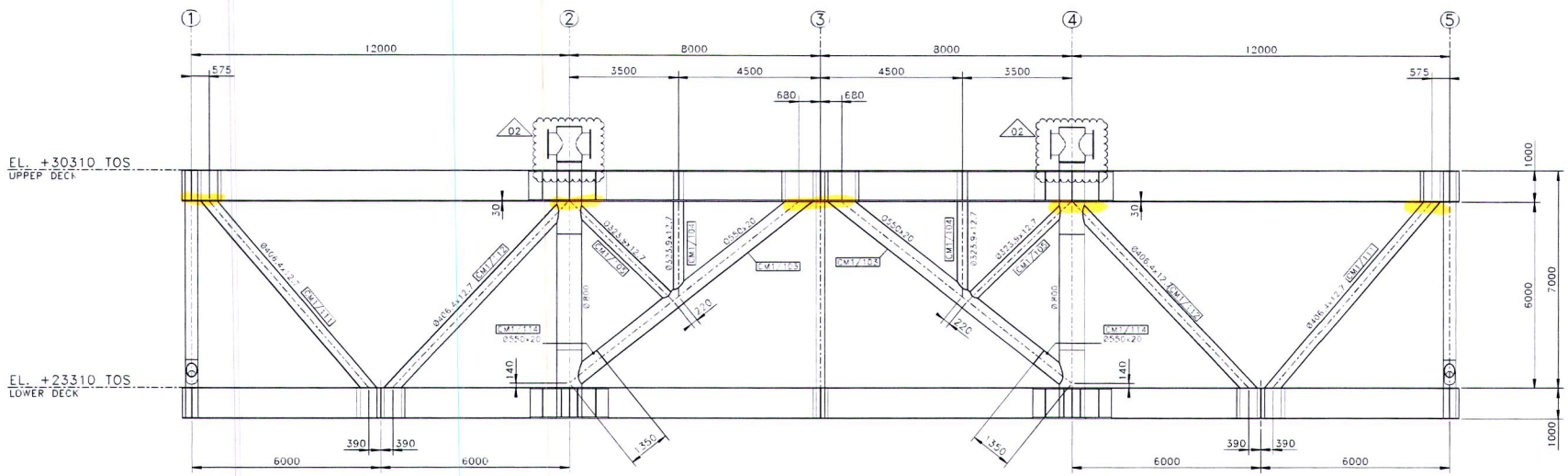
REV. 02







KEY PLAN
SCALE 1:250



ROW–C
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø550x20	DC2-II-420-20
Ø323.9x12.7	DC3-II-X52-20
Ø406.4x12.7	DC3-II-X52-20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

tecon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SGR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SGR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –C–

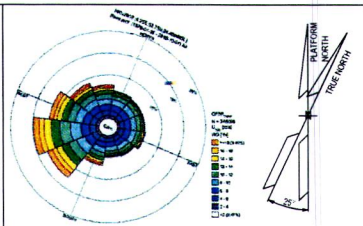
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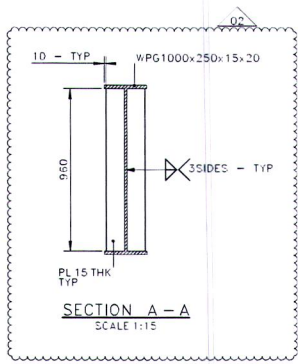
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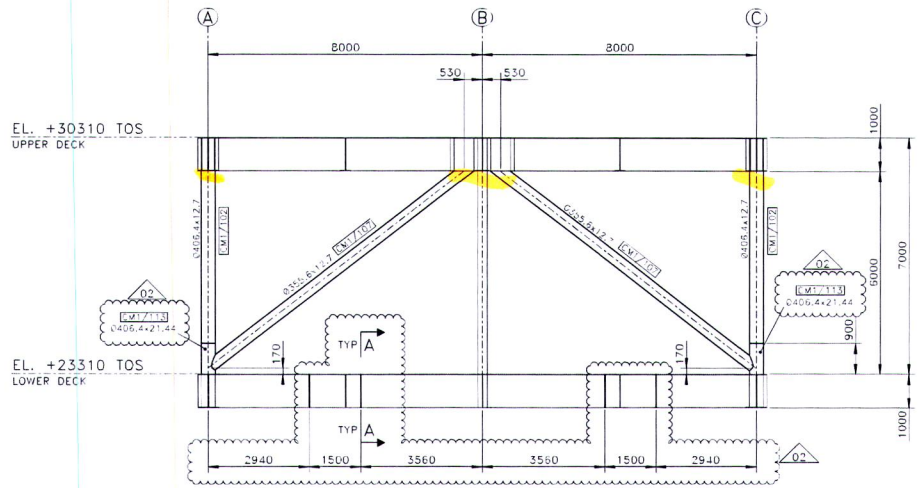
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123A90-DDL-ST-DD-90045 | REV. 02

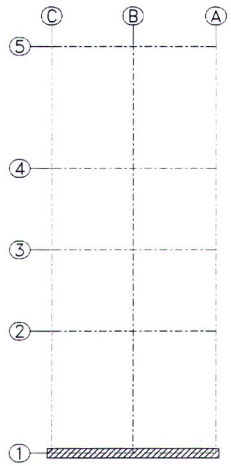




SECTION A – A
SCALE 1:15



ROW – 1
SCALE 1:75



KEY PLAN
SCALE 1:250

NOTES
1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS	
ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø355.6x12.7	DC3-II-X52-20
Ø406.4x12.7	DC3-II-X52-20
Ø406.4x21.44	DC3-II-X52-20

HOLDS

REFERENCE DRAWINGS	
DWG No.	DESCRIPTION
123A90-DDL-ST-DD-90025	DRAWING LIST
123A90-DDL-ST-DD-90026	GENERAL NOTES
123A90-DDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-DDL-ST-DD-90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

recon

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SOR	AB	DLS	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

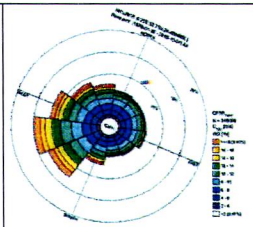
TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –1–

CONTRACT NO./TITLE CW-I-WF4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75

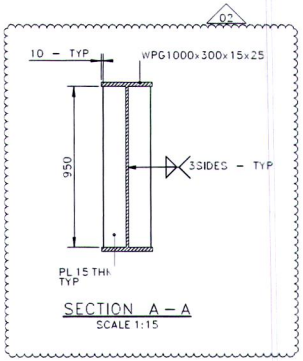
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 15/02/24

A1 | DRAWING NO. 123A90-DDL-ST-DD-90045 | SHEET 001 | REV. 02

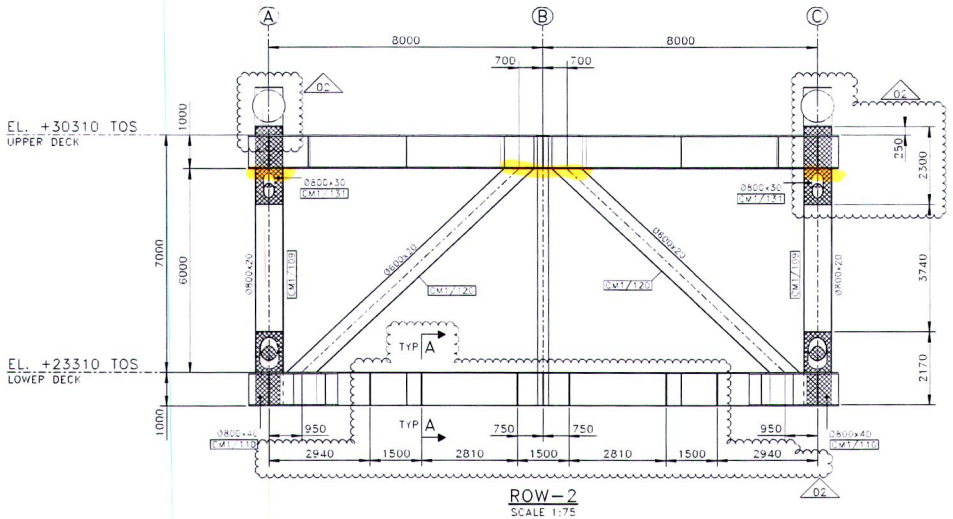
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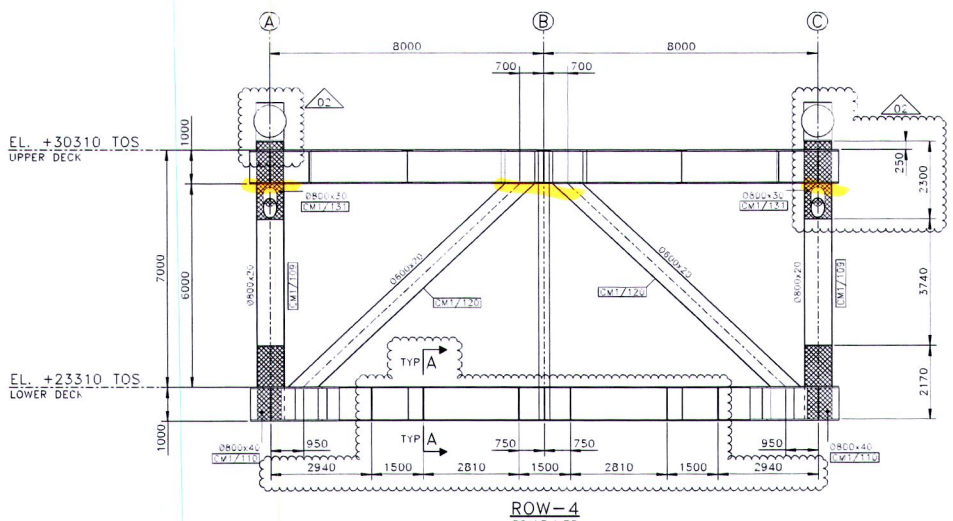




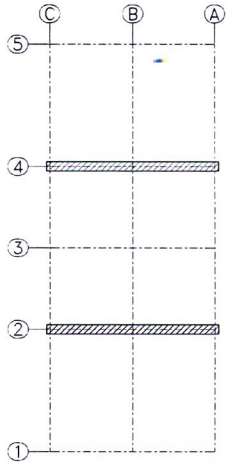
SECTION A – A
SCALE 1:15



ROW – 2
SCALE 1:75



ROW – 4
SCALE 1:75



KEY PLAN
SCALE 1:250

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO O.D.
3 – ALL STRUCTURAL MEMBERS NOTED SHALL HAVE –Z PROPERTIES–.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø800x30	DC1–I–420–40_Z
Ø800x40	DC1–I–420–40_Z
Ø600x20	DC2–II–420–20
Ø800x20	DC2–II–420–20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–DDL–ST–DD–90025	DRAWING LIST
123A90–DDL–ST–DD–90026	GENERAL NOTES
123A90–DDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–DDL–ST–DD–90028	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

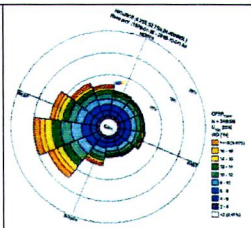
REV.	DATE	DRN.	CHCD.	APPD.	DESCRIPTION
02	15/02/24	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	25/10/23	SOR	AB	DLS	ISSUE FOR REVIEW (IFR)

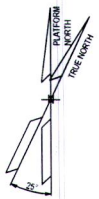
CROSSWIND | ROSETTI MARINO

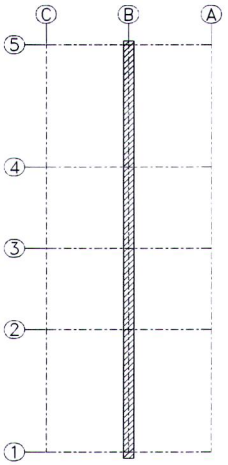
TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –2 & 4–

CONTRACT NO./TITLE CW–I–WP4–2021–05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:100
DRAWN S.GRIFFINI	CHECKED A.BALZAROTTI	APPROVED D.LO STERZO	DATE 15/02/24
A1	DRAWING NO. 123A90–DDL–ST–DD–90048	SHEET 001	REV. 02

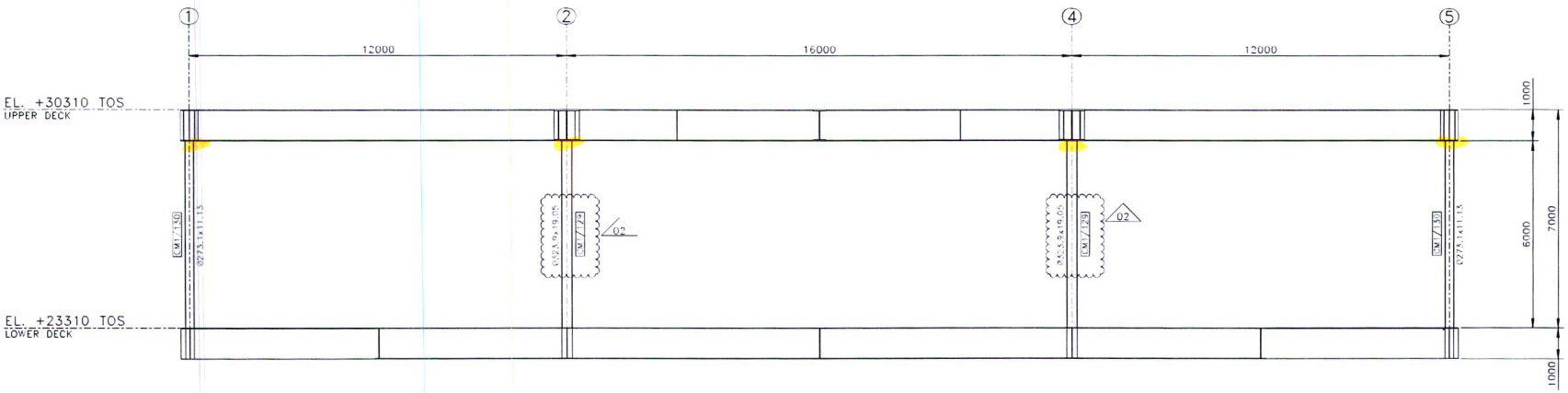
File Name : 123A90-DDL-ST-DD-90048_02.dwg







KEY PLAN
SCALE 1:250



ROW–B
SCALE 1:75

NOTES

1 – ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 – ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	~~MATERIAL DESIGNATION~~
0273.1x11.13	DC1–II–X52–0
0323.9x19.05	DC1–II–X52–20

02

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90–EDL–ST–DD–90025	DRAWING LIST
123A90–EDL–ST–DD–90026	GENERAL NOTES
123A90–EDL–ST–DD–90027	WELDING GENERAL NOTES
123A90–EDL–ST–DD–90029	TUBULAR JOINTS – STANDARD WELDING DETAILS

TECON

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/02/24	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SOR	AB	DLS	ISSUE FOR REVIEW (IFR)

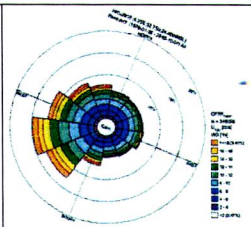
CROSSWIND — ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE – PRIMARY STEEL
ELEVATION AT ROW –B–

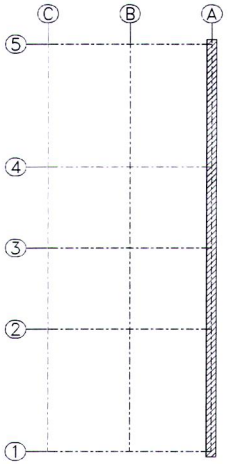
CONTRACT NO./TITLE CW-I-WP4-2021-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75
DRAWN S.ORIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 15/02/24

A1 | DRAWING NO. 123A90–DDL–ST–DD–90043 | SHEET 001 | REV. 02

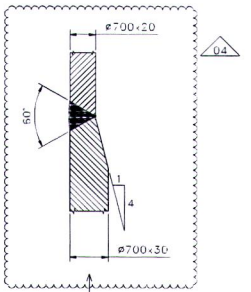
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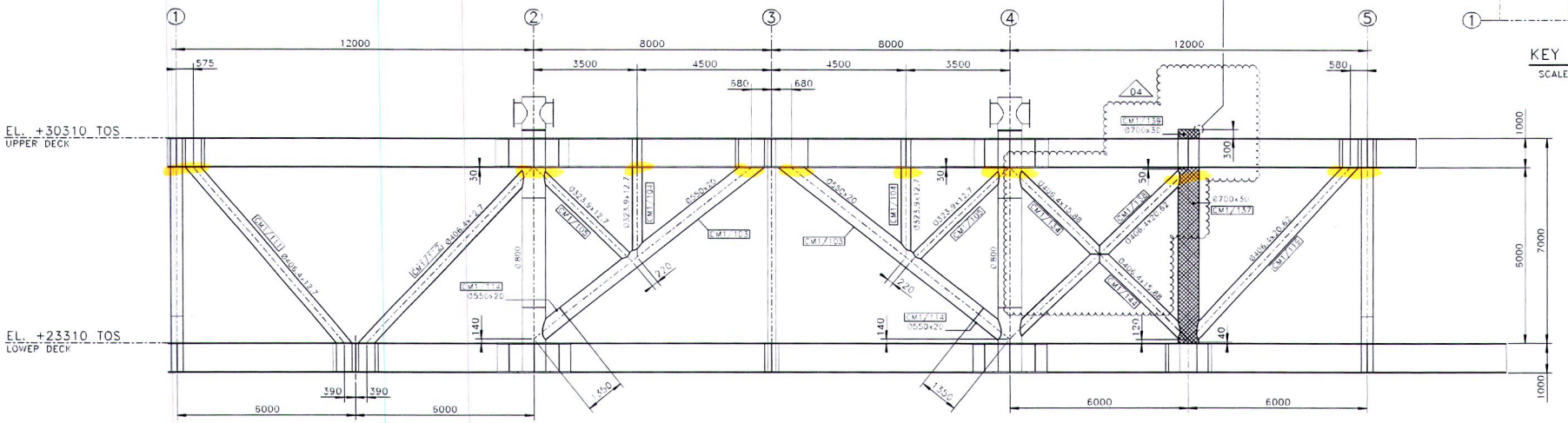






KEY PLAN
SCALE 1:250





ROW-A
SCALE 1:75

NOTES

1 - ALL DIMENSIONS AND ELEVATIONS ARE IN MILLIMETERS U.N.O.
2 - ALL ELEVATIONS ARE REFERED TO C.D.

MATERIALS

ITEM IDENTIFICATION	MATERIAL DESIGNATION
Ø700x30	DC1-I-420-40_Z
Ø550x20	DC2-II-420-20
Ø323.9x12.7	DC3-II-X52-20
Ø406.4x12.7	DC3-II-X52-20
Ø406.4x15.88	DC3-II-X52-20
Ø406.4x20.62	DC3-II-X52-20

HOLDS

REFERENCE DRAWINGS

DWG No.	DESCRIPTION
123A90-EDL-ST-DD-90025	DRAWING LIST
123A90-EDL-ST-DD-90026	GENERAL NOTES
123A90-EDL-ST-DD-90027	WELDING GENERAL NOTES
123A90-EDL-ST-DD-90029	TUBULAR JOINTS - STANDARD WELDING DETAILS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	24/06/24	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
03	25/03/24	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
02	15/02/24	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
01	20/12/23	SOR	AB	DLS	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/23	SOR	AB	DLS	ISSUE FOR REVIEW (IFR)

TECON
CROSSWIND
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
TOPSIDE - PRIMARY STEEL
ELEVATION AT ROW -A-

CONTRACT NO./TITLE CW-I-WP4-2021-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:75
DRAWN S.GRIFFINI | CHECKED A.BALZAROTTI | APPROVED D.LO STERZO | DATE 24/06/24
A1 | DRAWING NO. 123A90-DDL-ST-DD-90042 | SHEET 001 | REV. 04

File Name: - 123A90-DDL-ST-DD-90042_04.dwg

Calibration Reports

DeFelsko®
The Measure of Quality

800 Proctor Avenue
Ogdensburg, New York 13669 USA
Phone: +1-315-393-4450
E-mail: techsale@defelsko.com

Certificate of Calibration

Certificate Number: 24-823576

Nomenclature: Adhesion Tester
Manufacturer: DeFelsko Corporation
Model: PosiTest ATA-B
Gage Serial No: AT23355

Laboratory Environment
Temperature: 23 ± 5°C
Relative Humidity: Up to 95%
Date of Calibration: January 09, 2024
Date in Service†: _____
To be completed by the end user, in ink

Test Method: This Adhesion Tester was calibrated to manufacturer's specifications according to procedure MP 2571 using calibrated test equipment traceable to NIST.

Test Equipment Serial #	Manufacturer	Model	Test Equipment Due Date
312677	Transducer Techniques	SBO-5K	October 25, 2024
331091	Transducer Techniques	SSI	September 15, 2025

Reference Load Cell (psi)	Gage Reading* (psi)	Full Measurement Range Accuracy (%)
482	495	0.37
980	1004	0.69
1470	1486	0.46
2039	2054	0.43
2481	2510	0.83
2993	3013	0.57
3471	3496	0.71

Calibration Performed by: Steven Price

Steven Price
Technician

DeFelsko Corporation operates under Management Procedures intended to implement the requirements of ISO 9001, ISO 10012-1, ISO 17025 and ANSI/NCSL Z540-1. This document certifies that the instrument met published specifications of:

±1% of full measurement range

†There are no components in this product that have a specific shelf life. Therefore, the calibration interval of this instrument begins on the date that the product is first put into service by the end user. Calibration interval will vary based on usage, handling and storage conditions. This certificate shall not be reproduced, except in full, without the written approval of DeFelsko Corporation.

Certificate
d'essai • Testzertifikat

elcometer®
www.elcometer.com

imber: 456-ZJ15112-P
ificat:
ummer:

imber: T456CFNF1S
a Sonde:
ler Sonde:

Elcometer 456 Dual FNF Probe: Straight; Scale 1: 0-1500µm/0-60mils
Elcometer 456 Sonde Dual FNF: Droite; Echelle 1: 0-1500µm/0-60mils
Elcometer 456 Kombi-Sonde FNF: Gerade; Skala 1: 0-1500µm/0-60mils

umber: ZJ15112
e Série:
es Sonden:

Date: 10/10/2023

, calibrated using factory reference gauge Serial Number UB03108, using a smooth calibration, with the factory zero hickest certified foil listed below in accordance with Elcometer's Certification Procedure.

lonné à l'aide d'un étalonnage lisse, en utilisant une jauge de référance (Nr de Série UB03108),une plaque zéro et la feuille d'étalonnage certifié est énumérés ci-dessous, selon les Procédures d'Etalonnage d'Elcometer.

nit einem Referenz-Gerät (Seriennummer UB03108) nach einer glatten Kalibriermethode kalibriert, durch Einsetzen einer Nullplatte und die er Folie, die unten aufgelistet ist. Die Kalibriermethode wurde gemäß Elcometer's Zertifizierungsprotokolls.

Results: Ferrous • Resultats de Mesure: Ferreux • Messergebnisse: Eisenmetall

Foil / Substrate[1] e d'Etalonnage / Substrat[1] Folie / Untergrund[1]		Actual Measured Value[1] Valeur mesurée exacte[1] Aktuelle Messwert[1]			Allowable Value[1] Valeur admissible[1] Zulässigen Wert[1]		
ur • Wert mils	Serial Number[2] Numéro de Série[2] Seriennummer[2]	µm	mils		µm	mils	
58.23	WL25692	1482.0	58.35	±1%	1464.2 - 1493.8	57.65 - 58.81	Pass • Réussi • Bestanden
29.65	XL20257	751.2	29.57	±3%	730.4 - 775.6	28.76 - 30.54	Pass • Réussi • Bestanden
0.00	YA31649	-0.1	0.00	±1µm	-1.0 - 1.0	-0.04 - 0.04	Pass • Réussi • Bestanden

esults: Non Ferrous • Resultats de Mesure: Non-Ferreux • Messergebnisse: Nichteisenmetall

Foil / Substrate[1] d'Etalonnage / Substrat[1] olie / Untergrund[1]		Actual Measured Value[1] Valeur mesurée exacte[1] Aktuelle Messwert[1]			Allowable Value[1] Valeur admissible[1] Zulässigen Wert[1]		
r • Wert mils	Serial Number[2] Numéro de Série[2] Seriennummer[2]	µm	mils		µm	mils	
58.23	WL25692	1478.3	58.20	±1%	1464.2 - 1493.8	57.65 - 58.81	Pass • Réussi • Bestanden
29.65	XL20257	753.7	29.67	±3%	730.4 - 775.6	28.76 - 30.54	Pass • Réussi • Bestanden
0.00	YA00757	-0.2	-0.01	±1µm	-1.0 - 1.0	-0.04 - 0.04	Pass • Réussi • Bestanden

of Elcometer Limited • Signé au nom d'Elcometer Limited • Unterzeichnet im Namen Elcometer Limited

P. Smith

Quality Manager • Responsable Qualité • Qualitätsbetriebsleiter

up in microns

LTTS s.r.l.

Laboratorio di taratura strumentazione di misura
Sistemi Qualità, Gestione Ambientale, Sicurezza - Metallurgia e Prove non Distruttive - Formazione e qualificazione del personale

Laboratory for the calibration of measuring instruments
Quality, Environmental Management and Safety systems - Metallurgy and Non Destructive Examinations - Training & qualification of

RAPPORTO DI TARATURA / CALIBRATION REPORT

No. 1KD0020SP | **2024/01/11**

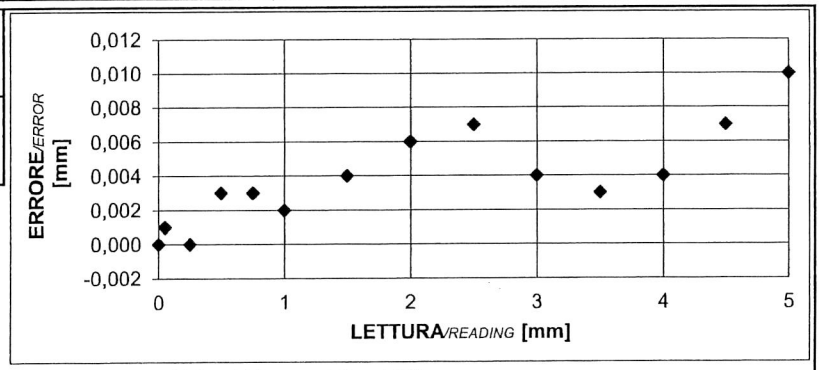
STRUMENTO: DEVICE:	SPESSIMETRO *THICKNESS GAUGE*	**IDENTIFICAZIONE:** IDENTIFICATION:	**DSL14**
MARCA: BRAND:	PAINT TEST EQUIPMENT	**CAMPO DI MISURA:** RANGE:	0÷5 mm
S/N: S/N:	BA717430	**UN. FORMATO:** UNIT:	0,002 mm
MODELLO: MODELL:	-	**TIPO:** TYPE:	A QUADRANTE *CLOCK FACE*
CLIENTE: CUSTOMER	IMPRESA DONELLI SRL VIA F.LLI CERVI, 7 - 20025 LEGNANO MI		
N° ORDINE: ORDER No.	52	**DATA:** DATE:	2024/01/17

RISULTATI DELLE MISURE - *RESULTS OF MEASUREMENTS*

No.	LUNGHEZZA DI RIF. REFERENCE LENGTH [mm]	MISURA INDICATA READING [mm]	SCOSTAMENTO DIFFERENCE [mm]	No.	LUNGHEZZA DI RIF. REFERENCE LENGTH [mm]	MISURA INDICATA READING [mm]	SCOSTAMENTO DIFFERENCE [mm]
1	0,000	0,000	0,000	8	2,000	2,006	0,006
2	0,050	0,051	0,001	9	2,500	2,507	0,007
3	0,250	0,250	0,000	10	3,000	3,004	0,004
4	0,500	0,503	0,003	11	3,500	3,503	0,003
5	0,750	0,753	0,003	12	4,000	4,004	0,004
6	1,000	1,002	0,002	13	4,500	4,507	0,007
7	1,500	1,504	0,004	14	5,000	5,010	0,010

PARALLELISMO PIANI DI MISURA :
PARALLELISM MEASUREMENT PLANS :
4 µm

RIPETIBILITA' 2 σ :
REPEATABILITY 2 σ :
±1,8 µm



NORMA DI RIFERIMENTO: UNI 9954
REFERENCE STANDARD:

PROCEDURA DI TARATURA: M013 r.1
APPLIED CALIBRATION PROCEDURE:

CONDIZIONI AMBIENTALI: temperatura/temperature 20 ± 1°C - U.R. /RH 50 ± 10%
AMBIENT CONDITIONS:

STRUMENTI E CAMPIONI UTILIZZATI: blocchetti pian paralleli CD041 certificato di taratura LAT107T 230041BPP
gauge blocks CD041 calibration certificate LAT107T 230041BPP
EQUIPMENTS AND STANDARDS USED:

INCERTEZZA DI MISURA: incertezza di misura stimata al livello di confidenza del 95%, = 1,5 µm
MEASUREMENT UNCERTAINTY: measurement uncertainty assessed at a confidence level of 95%

Le misure sono state eseguite presso i laboratori di sede; i dati e le relative incertezze, riportati nel presente documento, valgono nelle condizioni in cui lo strumento è stato tarato.

The calibration was performed in head office laboratories in thermal equilibrium with ambient. Data and relevant uncertainties reported in this document, apply to the same conditions the device was calibrated.

L' operatore / The operator .....

LABORATORIO DI TARATURA STRUMENTI LTTS s.r.l. LEGNANO MI

Il responsabile del laboratorio/Head of the center .....

VALIDITA' MESI / VALIDITY MONTHS	***LIMITI DI ACCETTAZIONE - ACCEPTANCE LIMIT :***	***ACCETTAZIONE- ACCEPTANCE :***

LTTS s.r.l.

Laboratorio di taratura strumentazione di misura
Sistemi Qualità, Gestione Ambientale, Sicurezza - Metallurgia e Prove non Distruttive - Formazione e qualificazione del personale

Laboratory for the calibration of measuring instruments
Quality, Environmental Management and Safety Systems - Metallurgy and Non Destructive Examinations-Training & qualification of personnel

RAPPORTO DI TARATURA *CALIBRATION REPORT*	**No. 1KD0142SP**	**2024/02/01**

STRUMENTO: *DEVICE:*	MISURATORE DI STRATI CON SONDA *METER LAYER WITH PROBE*	**IDENTIFICAZIONE:** *IDENTIFICATION:*	-
MARCA: *BRAND:*	ELCOMETER	**CAMPO DI MISURA:** *RANGE:*	0÷1600 µm
S/N: *S/N:*	**SD16184**	**UN. FORMATO:** *UNIT:*	0,1÷1 µm
MODELLO: *MODEL:*	456S	**TIPO:** *TYPE:*	Fe / NFe
SONDA: *PROBE:*	ESTERNA *EXTERNAL*	**S/N SONDA:** *PROBE S/N:*	ZJ15112
MODELLO: *MODEL:*	FNF1	**TIPO DI SONDA:** *PROBE TYPE:*	Fe / NFe
CLIENTE: *CUSTOMER:*	IMPRESA DONELLI SRL VIA F.LLI CERVI, 7 - 20025 LEGNANO MI		
N° ORDINE: *ORDER No:*	117	**DATA:** *DATE:*	2024/01/29

RISULTATI DELLE MISURE - RESULTS OF MEASUREMENTS

	MISURA NOMINALE *NOMINAL SIZE [µm]*	MISURA RILEVATA *MEASURE TAKEN [µm]* Fe	NFe	RIPETIBILITA' *REPEATABILITY [µm]* Fe	NFe	U [µm]
*	0,0	0,0	0,0	0,2	1,0	1,5
	23,3	21,2	23,6	0,2	1,3	1,5
	49,7	48,8	51,4	0,2	1,3	1,5
	126,8	121	129	0,8	1,0	1,5
	244,8	239	249	0,8	1,0	1,5
*	495,8	496	496	1,0	1,0	2,5
	741	752	743	1,2	1,2	3,7
	982,5	1020	979	1,5	1,2	4,9
	1478	1581	1422	2,0	1,5	7,4

NOTE: * *lamine utilizzate per la calibrazione.*
NOTE: *foils reference used for calibration.*

NORMA DI RIFERIMENTO: *REFERENCE STANDARD:*	manuale del costruttore *manufacturer's manual*
PROCEDURA DI TARATURA: *CALIBRATION PROCEDURE:*	M013 r.1
CONDIZIONI AMBIENTALI: *AMBIENT CONDITIONS:*	temperatura (20 ± 1)°C - umidità relativa <50% *temperature (20 ± 1)°C - R.H. <50%*
STRUMENTO UTILIZZATO: *EQUIPMENT USED:*	set lamine in plastica id. CD015 *set plastic foils id. CD015*
CAMPIONE DI RIFERIMENTO: *STANDARD USED:*	blocchetti pian paralleli CD041 certificato di taratura LAT107T 230041BPP *gauge blocks CD041 calibration certificate LAT107T 230041BPP*
INCERTEZZA DI MISURA: *MEASUREMENT UNCERTAINTY:*	incertezza di misura stimata al livello di confidenza del 95%, = U *measurement uncertainty assessed at a confidence level of 95%*

Le misure sono state eseguite presso i laboratori di sede; i dati e le relative incertezze, riportati nel presente documento, valgono nelle condizioni in cui lo strumento è stato tarato. *The calibration was performed in head office laboratories in thermal equilibrium with ambient. Data and relevant uncertainties reported in this document, apply to the same conditions the device was calibrated.*

L' operatore/*The operator* ..... Il responsabile del laboratorio/*Head of the centre* .....

LABORATORIO DI TARATURA STRUMENTI LTTS s.r.l. LEGNANO MI

LTTS SRL - via Pisacane 46 - 20025 Legnano MI - tel 0331543222 - fax 0331486660 - info@ltts.it - www.ltts.it
Cap. Sociale 20.000 € i.v. - C.F./P.I. 09651730153 - R.E.A. MI 1309824 - Reg. Imp. MI146-293612

LTTS s.r.l.

Laboratory for the calibration of measuring instruments - Quality, Environmental Management and Safety systems - Metallurgy and Non Destructive Examinations - Training & qualification of personnel

REPORT CALIBRATION	N° 1JT1235ST	2023/12/01

STRUMENTO: *Instrument:*	DATA LOGGER TEMPERATURA / U.R. *TEMPERATURE / RH DATALOGGER*	**IDENTIF.:** *Identif.:*	**DSL 20**
MARCA: *Brand:*	TC-DIRECT	**MODELLO:** *Model:*	WI-FI
SCALA: *Range:*		**S/N.:** *s/n.:*	TA11281
RISOLUZIONE: *Resolution:*	0,1°C - 1 % U.R.		
SENSORE: *Sensor:*	SONDA TERMOIGROMETRICA INTEGRATA *INTEGRATED TEMPERATURE / R.H PROBE*	**IDENTIF.:** *Identif.:*	-
MARCA: *Brand:*	-	**MODELLO:** *Model:*	-
SCALA: *Range:*	-	**S/N:** *S/n.:*	-
CLIENTE: *Customer:*	IMPRESA DONELLI srl Via F.lli Cervi 7 - 20025 LEGNANO MI		
N° ORDINE: *Order:*	1472	**DATA:**	2023/11/27

CONDIZIONI AMBIENTALI:

Environmental Condition:

Temperatura (23 ± 2)°C - Umidità relativa (50 ± 20) %

Temperature and relative humidity:

PROCEDURA DI TARATURA APPLICATA:

Applied Calibration Procedure:

V009 - Rev.1

APPARECCHIATURE E CAMPIONI UTILIZZATI:

Reference devices and instruments

Camera climatica ANGELANTONI mod. Challenge 250 E identif. FE001

Climatic chamber ANGELANTONI mod. Challeng 250 E identif. FE001

Camera climatica t./U.R. in plexiglass (portatile) identif. FE002

Climatic chamber t./U.R. plexiglass id. FE002

Termoigrometro ROTRONIC Hygrolog-D id.SC016 + Hygroclip HK40 id.SC016/1 / certif. LAT 123 23-SU-0047 del 2023/01/18

Thermohygrometer ROTRONIC Hygrolog-D id.SC016 + Hygroclip HK40 id.SC016/1 / LAT 123 23-SU-0047 of 2023/01/18

Calibratore Multif. id. SC053 + Termoresistenza Pt100/4 cl.1/10 DIN id. CI070 / LAT 060 1IL0520SCZ del 2022/12/27

Multif. Calibrator id. SC053 + RTD Pt100/4 cl. 1/10 DIN id. CI070 / certif. LAT 060 1IL0520SCZ of 2022/12/27

LABORATORIO DI LTTS s.r.l. LEGNANO MI TARATURA STRUMENTI

Il responsabile del laboratorio

The laboratory responsible

VALIDITA' MESI *Expiration date:*	LIMITI DI ACCETTAZIONE *Acceptance limit:*	ACCETTAZIONE *Acceptance:*
-	-	-

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LTTS s.r.l.

Laboratorio di taratura strumentazione di misura

Sistemi Qualità, Gestione Ambientale, Sicurezza - Metallurgia e Prove non Distruttive - Formazione e qualificazione del personale

RAPPORTO DI TARATURA	N° 1JM0411CD	2023/07/27

STRUMENTO:	CONDUTTIVIMETRO	**IDENTIF:**	906151
MARCA:	HORIBA	**MODELLO:**	TWIN COND B-173
SCALE:	(0÷199 µS/cm risoluz.1 µS/cm) (0,20÷1,99 mS/cm risoluz.0,01 mS/cm)		
	(2,0÷19,9 mS/cm risoluz.0,1 mS/cm)		
CLIENTE:	IMPRESA DONELLI SRL		
	Via F.lli Cervi, 7 - 20025 LEGNANO (MI)		
N° ORDINE:	936	**DATA:**	2023/07/20

RISULTATI DELLE MISURE

VALORE CAMPIONE [µS/cm]	VALORE MEDIO RILEVATO [µS/cm]	SCOSTAMENTO RILEVATO [µS/cm]	ERRORE % F.S.	DEVIAZIONE STANDARD [µS/cm]
84,4	88	4	1,8	1,0
-	-	-	-	-
-	-	-	-	-

VALORE CAMPIONE [mS/cm]	VALORE MEDIO RILEVATO [mS]	SCOSTAMENTO RILEVATO [mS]	ERRORE % F.S.	DEVIAZIONE STANDARD [mS]
1,409	1,40	-0,01	-0,45	0,01
12,89	12,8	-0,1	-0,4	0,1

NOTE: -

PROCEDURA DI TARATURA APPLICATA:

V055 rev.0

CONDIZIONI AMBIENTALI:

Temperatura (23 ± 1)°C - umidità relativa (50 ± 20)%

Temperatura delle soluzioni 25°C

CAMPIONI UTILIZZATI:

Soluzioni di conducibilità Standard 51100613 LOTTO 20106211 - 51100633 LOTTO 22209106 - 51100643 LOTTO 20807111

Calibratore Beamex id. SC056 + Pt100 id. CI280 / Certif. LAT 060 1IL0527SCZ

INCERTEZZA DI MISURA:

Incertezza di misura stimata al livello di confidenza del 95%: 1% della lettura

La taratura è stata eseguita presso i laboratori di sede in equilibrio termico con l'ambiente. Lo strumento ha richiesto la messa a punto prima della taratura eseguita come da procedura del costruttore (1 punto). I dati e le relative incertezze, riportati nel presente documento, valgono nelle condizioni in cui lo strumento è stato tarato.

L'operatore

Bellini Luca Mario

Il responsabile del laboratorio

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DONELLI ALEXO S.R.L.	RAPPORTO DI TARATURA CALIBRATION CERTIFICATE	Nr. 11/23	DATA / DATE 31.05.2023

STRUMENTO DI LAVORO: INSTRUMENT:	DUROMETRO SHORE D SAUTER HBD 100-0 (S.N. 8256990309) HARDNESS TESTER SHORE D SAUTER HBD 100-0 (S.N. 8256990309)		
IDENTIFICAZIONE INTERNA / INTERNAL IDENTIFICATION (**CPA o SL**): **DASL63**			
SCHEDA STRUMENTO N. INSTRUMENT SHEET N.	63	DATA DI TARATURA / CALIBRATION DATE	**31.05.2023**
ISTRUZIONI DI TARATURA / CALIBRATION INSTRUCTIONS N° **PG1101 6.1A** IN REV.3			
OPERATORE DI TARATURA / CALIBRATION OPERATOR: **ANIA PIZZERA**			
FUNZIONE DI APPARTENENZA / TASK/JOB: **QA / QC**			
DATA PREVISTA PROSSIMA TARATURA / EXPECTED DATE NEXT CALIBRATION: **31.05.2024**			

RISULTATI INTERVENTO DI TARATURA / CALIBRATION RESULTS

OPERAZIONE / OPERATION	VALORE DI RIFERIMENTO / REFERENCE VALUE [SHORE D]	VALORE REGISTRATO / RECORDED VALUE [SHORE D]	NOTE E OSSERVAZIONI / REMARKS
ZERO CALIBRATION	0	0	In tolleranza In tolerance
CALIBRATION WITH TEST BLOCK	22.5	22.5	In tolleranza In tolerance
CALIBRATION WITH TEST BLOCK	22.5	22.3	In tolleranza In tolerance
HIGH END CALIBRATION ON FLAT GLASS	99.5 ÷ 101	101	In tolleranza In tolerance

ESITO DELLA TARATURA DELLO STRUMENTO: **POSITIVO [X]** **NEGATIVO** (vedi note) [ ]
RESULT INSTRUMENT CALIBRATION: **POSITIVE [X]** **NEGATIVE** (see remarks) [ ]

NOTE / AZIONI DA INTRAPENDERE: .....
REMARKS / ACTIONS TO PERFORM: .....

FIRMA OPERATORE :
SIGNATURE OPERATOR:

FIRMA APPROVAZIONE QA/QC:
SIGNATURE QA/QC APPROVAL:

file = 11_DASL63_Durometro SHORE D SAUTER HD

LTTS s.r.l.

Laboratory for the calibration of measuring instruments - Quality, Environmental Management and Safety systems - Metallurgy and Non Destructive Examinations - Training & qualification of personnel

REPORT CALIBRATION	N° 1JT1234ST	2023/12/01

STRUMENTO: *Instrument:*	TERMOIGROMETRO DIGITALE *DIGITAL THERMOHYGROMETER*	**IDENTIF.:** *Identif.:*	**DSL 12**
MARCA: *Brand:*	ELCOMETER	**MODELLO:** *Model:*	319T
SCALA: *Range:*	-20°C ÷ 80°C - 0% U.R. ÷ 100% U.R.	**S/N.:** *s/n.:*	TA11281
RISOLUZIONE: *Resolution:*	0,1°C - 0,1 % U.R.		
SENSORE: *Sensor:*	SONDA TERMOIGROMETRICA INTEGRATA *INTEGRATED TEMPERATURE / R.H PROBE*	**IDENTIF.:** *Identif.:*	-
MARCA: *Brand:*	-	**MODELLO:** *Model:*	-
SCALA: *Range:*	-20°C ÷ 80°C - 0% U.R. ÷ 100% U.R.	**S/N:** *S/n.:*	-
CLIENTE: *Customer:*	IMPRESA DONELLI srl Via F.lli Cervi 7 - 20025 LEGNANO MI		
N° ORDINE: *Order:*	1472	**DATA:**	2023/11/27

CONDIZIONI AMBIENTALI:

Environmental Condition:

Temperatura (23 ± 2)°C - Umidità relativa (50 ± 20) %

Temperature and relative humidity:

PROCEDURA DI TARATURA APPLICATA:

Applied Calibration Procedure:

V009 - Rev.1

APPARECCHIATURE E CAMPIONI UTILIZZATI:

Reference devices and instruments

Camera climatica ANGELANTONI mod. Challenge 250 E identif. FE001

Climatic chamber ANGELANTONI mod. Challeng 250 E identif. FE001

Camera climatica t./U.R. in plexiglass (portatile) identif. FE002

Climatic chamber t./U.R. plexiglass id. FE002

Termoigrometro ROTRONIC Hygrolog-D id.SC016 + Hygroclip HK40 id.SC016/1 / certif. LAT 123 23-SU-0047 del 2023/01/18

Thermohygrometer ROTRONIC Hygrolog-D id.SC016 + Hygroclip HK40 id.SC016/1 / LAT 123 23-SU-0047 of 2023/01/18

Calibratore Multif. id. SC053 + Termoresistenza Pt100/4 cl.1/10 DIN id. CI070 / LAT 060 1IL0520SCZ del 2022/12/27

Multif. Calibrator id. SC053 + RTD Pt100/4 cl. 1/10 DIN id. CI070 / certif. LAT 060 1IL0520SCZ of 2022/12/27

LABORATORIO DI LTTS s.r.l. LEGNANO MI TARATURA STRUMENTI

Il responsabile del laboratorio

The laboratory responsible

VALIDITA' MESI *Expiration date:*	LIMITI DI ACCETTAZIONE *Acceptance limit:*	ACCETTAZIONE *Acceptance:*
-	-	-

LTTS s.r.l.

Laboratory for the calibration of measuring instruments - Quality, Environmental Management and Safety systems - Metallurgy and Non Destructive Examinations - Training & qualification of personnel

CALIBRATION REPORT	N° 1JT1233SDK	2023/12/01

STRUMENTO: *Instrument:*	TERMOMETRO DIGITALE *Digital thermometer*	**IDENTIF.:** *Identif.:*	**DSL 12**
MARCA: *Brand:*	ELCOMETER	**MODELLO:** *Model:*	-
S/N: *S/n:*	TA11281	**SCALA:** *Range:*	-20°C ÷ 80°C
RISOLUZIONE: *Resolution:*	0,1°C		
SENSORE: *Sensor:*	TERMOCOPPIA TIPO K *Type K Thermocouple*	**IDENTIF.:** *Identif.:*	-
MARCA: *Brand:*	ELCOMETER	**S/N.:** *S/n.:*	TA06132
MODELLO: *Model:*	INVOLUCRO METALLICO D 11 mm - L 25 mm PER MISURE A CONTATTO - TERMINALE A MOLLA *Metal envelope 11 mm dia - 25 mm length - Surface measurements - Spring terminal*		
CLIENTE: *Customer:*	IMPRESA DONELLI srl Via F.lli Cervi 7 - 20025 LEGNANO MI		
N° ORDINE: *Order:*	1472	**DATA:** *Date:*	2023/11/27

CONDIZIONI AMBIENTALI:
Environmental Condition (Temperature and relative humidity):
Temperatura (23 ± 2)°C - Umidità relativa (50 ± 20) %

PROCEDURA DI TARATURA APPLICATA:
Applied Calibration Procedure:
T020 - rev.2

CAMPIONI ED APPARECCHIATURE UTILIZZATE:
Reference devices and instruments:
La catena di riferibilità ha inizio dai campioni di riferimento / lavoro, muniti di Certificati validi di taratura rispettivamente N.:
Traceability is through references standards, validated by certificates of calibration No.:

SA027 + CI196 Certificate of Calibration LAT 1IL0519SDJ of 2022/12/27

L'operatore
The operator
Bellini Luca Mario
.....

LABORATORIO DI LTTS s.r.l. LEGNANO MI TARATURA STRUMENTI

Il responsabile del laboratorio
Head of the Centre
.....

VALIDITA' MESI *Validity Months:*	LIMITI DI ACCETTAZIONE *Acceptance limits:*	ACCETTAZIONE *Acceptance:*
-	-	-

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Test Certificate
Certificat d'essai • Testzertifikat

elcometer®
www.elcometer.com

Certificate Number: 456-ZJ10684-G
Numéro de Certificat:
Bescheinigungsnummer:

Instrument Part Number: A456CFNFSS
Code Article d'instrument:
Artikelnummer des Geräts:

Instrument Type: Elcometer 456 Model S Dual FNF Separate
Instrument Modèle: Elcometer 456 Modèle S Dual FNF à sonde séparée
Gerätetyp: Elcometer 456 Modell S mit separater Kombi-Sonde für Eisen und Nicht-Eisen (FNF)

Instrument Serial Number: ZJ10684
Instrument Numéro de Série:
Seriennummer des Geräts:

Instrument PCB Serial Number: ZG07114-000
Circuit Imprimé Numéro de Série:
Seriennummer der Leiterplatte:

Measurement Date: 26/09/2023
Date de Mesure:
Maß-datum:

The instrument was calibrated using factory reference probe Serial Number TG19887 using a smooth calibration, with the factory zero plate and the thickest certified foil listed below in accordance with Elcometer's Certification Procedure.

L'instrument a été étalonné à l'aide d'un étalonnage lisse, en utilisant une Sonde de référance TG19887, une plaque zéro et la feuille d'étalonnage certifiée la plus épaisse qui sont énumérés ci-dessous, selon les Procédures d'Etalonnage d'Elcometer.

Das Gerät wurde mit einer Referenz-Sonde (Seriennummer TG19887) nach einer glatten Kalibriermethode kalibriert, durch Einsetzen einer Nullplatte und die dickste zertifizierter Folie, die unten aufgelistet ist. Die Kalibriermethode wurde gemäß Elcometer's Zertifizierungsprotokolls durchgeführt

Measurement Results: Ferrous • Resultats de Mesure: Ferreux • Messergebnisse: Eisenmetall

Foil / Substrate[1] Feuille d'Etalonnage / Substrat Folie / Untergrund[1]			Actual Measured Value[1] Valeur mesurée exacte Aktuelle Messwert[1]		Allowable Value[1] Valeur admissible Zulässigen Wert[1]			
Value • Valeur • Wert		Serial Number[2] Numéro de Série[2] Seriennummer[2]	µm	mils		µm	mils	
µm	mils							
1489.0	58.62	UD08673	1490.7	58.69	±1%	1474.1 - 1503.9	58.04 - 59.21	Pass • Réussi • Bestanden
758.0	29.84	UG13033	767.6	30.22	±3%	735.3 - 780.7	28.95 - 30.74	Pass • Réussi • Bestanden
0.0	0.00	S01050	-0.4	-0.02	±1µm	-1.0 - 1.0	-0.04 - 0.04	Pass • Réussi • Bestanden

Measurement Results: Non Ferrous • Resultats de Mesure: Non-Ferreux • Messergebnisse: Nichteisenmetall

Foil / Substrate[1] Feuille d'Etalonnage / Substrat Folie / Untergrund[1]			Actual Measured Value[1] Valeur mesurée exacte Aktuelle Messwert[1]		Allowable Value[1] Valeur admissible Zulässigen Wert[1]			
Value • Valeur • Wert		Serial Number[2] Numéro de Série[2] Seriennummer[2]	µm	mils		µm	mils	
µm	mils							
1489.0	58.62	UD08673	1489.1	58.63	±1%	1474.1 - 1503.9	58.04 - 59.21	Pass • Réussi • Bestanden
758.0	29.84	UG13033	778.4	30.65	±3%	735.3 - 780.7	28.95 - 30.74	Pass • Réussi • Bestanden
0.0	0.00	S01049	0.2	0.01	±1µm	-1.0 - 1.0	-0.04 - 0.04	Pass • Réussi • Bestanden

Signed on behalf of Elcometer Limited • Signé au nom d'Elcometer Limited • Unterzeichnet im Namen Elcometer Limited

Name: P Smith
Nom:
Name:

Quality Manager • Responsable Qualité • Qualitätsbetriebsleiter

[1] Measurements taken in microns, mils values are calculated using 1µm = 0.03937mil
[1] Les valeurs sont prises en microns. Les valeurs en 'mils' sont calculées en utilisant 1µm = 0.03937mil
[1] Messwerte sind in Microns gezeigt. Um auf „mils" umzurechnen, benutzen Sie 1µm = 0.03937mil

[2] Certificate Number: 54878
[2] Numéro de Certificat: 54878
[2] Bescheinigungsnummer: 54878

LTTS s.r.l.

Laboratorio di taratura strumentazione di misura
Sistemi Qualità, Gestione Ambientale, Sicurezza - Metallurgia e Prove non Distruttive - Formazione e qualificazione del personale

Laboratory for the calibration of measuring instruments
Quality, Environmental Management and Safety systems - Metallurgy and Non Destructive Examinations - Training & qualification of

RAPPORTO DI TARATURA *CALIBRATION REPORT*	**No. 1KD0020SP**	**2024/01/11**

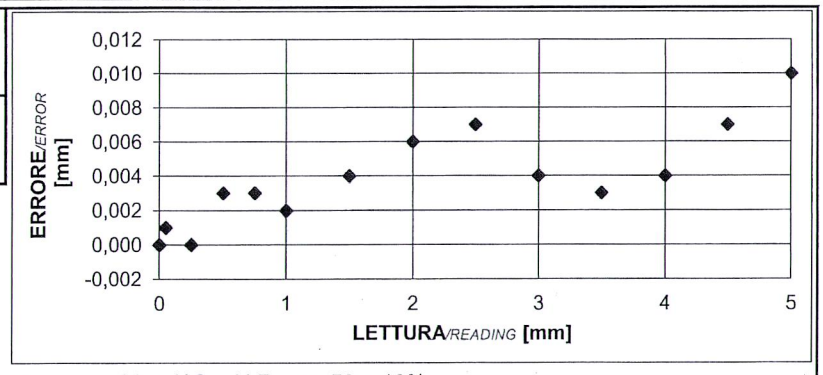
STRUMENTO: *DEVICE:*	SPESSIMETRO *THICKNESS GAUGE*	**IDENTIFICAZIONE:** *IDENTIFICATION:*	**DSL14**
MARCA: *BRAND:*	PAINT TEST EQUIPMENT	**CAMPO DI MISURA:** *RANGE:*	0÷5 mm
S/N: *S/N:*	BA717430	**UN. FORMATO:** *UNIT:*	0,002 mm
MODELLO: *MODELL:*	-	**TIPO:** *TYPE:*	A QUADRANTE *CLOCK FACE*
CLIENTE: *CUSTOMER*	IMPRESA DONELLI SRL VIA F.LLI CERVI, 7 - 20025 LEGNANO MI		
N° ORDINE: *ORDER No.*	52	**DATA:** *DATE:*	2024/01/17

RISULTATI DELLE MISURE - *RESULTS OF MEASUREMENTS*

No.	LUNGHEZZA DI RIF. REFERENCE LENGTH [mm]	MISURA INDICATA READING [mm]	SCOSTAMENTO DIFFERENCE [mm]	No.	LUNGHEZZA DI RIF. REFERENCE LENGTH [mm]	MISURA INDICATA READING [mm]	SCOSTAMENTO DIFFERENCE [mm]
1	0,000	0,000	0,000	8	2,000	2,006	0,006
2	0,050	0,051	0,001	9	2,500	2,507	0,007
3	0,250	0,250	0,000	10	3,000	3,004	0,004
4	0,500	0,503	0,003	11	3,500	3,503	0,003
5	0,750	0,753	0,003	12	4,000	4,004	0,004
6	1,000	1,002	0,002	13	4,500	4,507	0,007
7	1,500	1,504	0,004	14	5,000	5,010	0,010

PARALLELISMO PIANI DI MISURA :
PARALLELISM MEASUREMENT PLANS :
4 µm

RIPETIBILITA' 2 σ :
REPEATABILITY 2 σ :
±1,8 µm



NORMA DI RIFERIMENTO: UNI 9954
REFERENCE STANDARD:

PROCEDURA DI TARATURA: M013 r.1
APPLIED CALIBRATION PROCEDURE:

CONDIZIONI AMBIENTALI: temperatura/temperature 20 ± 1°C - U.R. /RH 50 ± 10%
AMBIENT CONDITIONS:

STRUMENTI E CAMPIONI UTILIZZATI: blocchetti pian paralleli CD041 certificato di taratura LAT107T 230041BPP
gauge blocks CD041 calibration certificate LAT107T 230041BPP
EQUIPMENTS AND STANDARDS USED:

INCERTEZZA DI MISURA: incertezza di misura stimata al livello di confidenza del 95%, = 1,5 µm
MEASUREMENT UNCERTAINTY: *measurement uncertainty assessed at a confidence level of 95%*

Le misure sono state eseguite presso i laboratori di sede; i dati e le relative incertezze, riportati nel presente documento, valgono nelle condizioni in cui lo strumento è stato tarato.

The calibration was performed in head office laboratories in thermal equilibrium with ambient. Data and relevant uncertainties reported in this document, apply to the same conditions the device was calibrated.

L' operatore / The operator ..... LABORATORIO DI TARATURA STRUMENTI LTTS s.r.l. LEGNANO MI

Il responsabile del laboratorio/Head of the center .....

VALIDITA' MESI / VALIDITY MONTHS	**LIMITI DI ACCETTAZIONE-** *ACCEPTANCE LIMIT:*	**ACCETTAZIONE-** *ACCEPTANCE:*

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LTTS s.r.l.

Laboratorio di taratura strumentazione di misura
Sistemi Qualità, Gestione Ambientale, Sicurezza - Metallurgia e Prove non Distruttive - Formazione e qualificazione del personale

Laboratory for the calibration of measuring instruments
Quality, Environmental Management and Safety Systems - Metallurgy and Non Destructive Examinations-Training & qualification of personnel

RAPPORTO DI TARATURA *CALIBRATION REPORT*	**No. 1JD1649LS**	**2023/12/20**

STRUMENTO: *DEVICE:*	SET LAMINE IN PLASTICA *PLASTIC SHIMS SET*	**IDENTIFICAZIONE:** *IDENTIFICATION:*	**T99022255-3**
MARCA: *BRAND:*	ELCOMETER	**CAMPO DI MISURA:** *RANGE:*	125,3÷4059 µm
S/N: *S/N:*	-	**TIPO:** *TYPE:*	7 LAMINE *7 SHEETS*
MODELLO: *MODEL:*	-		
CLIENTE: *CUSTOMER:*	IMPRESA DONELLI SRL VIA F.LLI CERVI, 7 - 20025 LEGNANO MI		
N° ORDINE: *ORDER No:*	1534	**DATA:** *DATE:*	2023/12/12

RISULTATI DELLE MISURE - *RESULTS OF MEASUREMENTS*

ID.	*MISURA NOMINALE* *NOMINAL SIZE [µm]*	*MISURA RILEVATA* *MEASUREMENT [µm]*	*VARIAZIONE DI SPESSORE* *THICKNESS VARIATION [µm]*	**U** [µm]
VC01159	125,3	125,0	0,7	1,6
UC07186	250,4	249,5	1,3	1,6
XD24816	486	487,3	4,0	2,8
UB06668	1032	1025,5	1,5	5,3
UD16689	1972	1965,8	5,0	10,4
XD25421	2030	2025,5	5,0	10,7
XD02583	4059	4047,0	4,0	20,7
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

NOTE: *la misura rilevata si riferisce alla sezione centrale della lamina spessimetrica*
REMARKS: *the measurement taken refers to the central section of the sheet.*

NORMA DI RIFERIMENTO: *REFERENCE STANDARD:*	manuale del costruttore *manufacturer's manual*
PROCEDURA DI TARATURA: *CALIBRATION PROCEDURE:*	M005 r.2
CONDIZIONI AMBIENTALI: *AMBIENT CONDITIONS:*	temperatura 20 ± 1°C - umidità relativa <50% *temperaturE 20 ± 1°C - R.H. <50%*
STRUMENTO UTILIZZATO: *EQUIPMENT USED:*	macchina di misura JOINT DMS 680 s/n 0346 *JOINT measurement machine DMS 680 s/n 0346*
CAMPIONE DI RIFERIMENTO: *STANDARD USED:*	blocchetti pian paralleli CD041 certificato di taratura LAT107T 230041BPP *gauge blocks CD001 calibration certificate LAT107T 230041BPP*
INCERTEZZA DI MISURA: *MEASUREMENT UNCERTAINTY:*	incertezza di misura stimata al livello di confidenza del 95%, = U *measurement uncertainty assessed at a confidence level of 95%*

Le misure sono state eseguite presso i laboratori di sede; i dati e le relative incertezze, riportati nel presente documento, valgono nelle condizioni in cui lo strumento è stato tarato. The calibration was performed in head office laboratories in thermal equilibrium with ambient. Data and relevant uncertainties reported in this document, apply to the same conditions the device was calibrated.

L' operatore/ *The operator* .....

LABORATORIO DI TARATURA STRUMENTI LTTS S.r.l. LEGNANO MI

Il responsabile del laboratorio/*Head of the center* .....

VALIDITA' MESI / VALIDITY MONTHS	**LIMITI DI ACCETTAZIONE-** *ACCEPTANCE LIMIT :*	**ACCETTAZIONE-** *ACCEPTANCE :*

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LTTS *s.r.l.*

Laboratorio di taratura strumentazione di misura

Sistemi Qualità, Gestione Ambientale, Sicurezza - Metallurgia e Prove non Distruttive - Formazione e qualificazione del personale

RAPPORTO DI TARATURA	**N° 1JM0376CD**	**2023/07/13**

STRUMENTO:	CONDUTTIVIMETRO	***IDENTIF:***	DASL16
MARCA:	HORIBA	***MODELLO:***	LAQUA TWIN B-771
SCALE:	(0÷199 µS/cm risoluz.1 µS/cm) (0,20÷1,99 mS/cm risoluz.0,01 mS/cm)		
	(2,0÷19,9 mS/cm risoluz.0,1 mS/cm) (20÷199 mS/cm risoluz.1 mS/cm)		
CLIENTE:	IMPRESA DONELLI SRL		
	Via F.lli Cervi, 7 - 20025 LEGNANO (MI)		
N° ORDINE:	845	***DATA:***	2023/07/05

RISULTATI DELLE MISURE

VALORE CAMPIONE [µS/cm]	VALORE MEDIO RILEVATO [µS/cm]	SCOSTAMENTO RILEVATO [µS/cm]	ERRORE % F.S.	DEVIAZIONE STANDARD [µS/cm]
84,4	88	4	1,8	0,6
-	-	-	-	-
-	-	-	-	-

VALORE CAMPIONE [mS/cm]	VALORE MEDIO RILEVATO [mS]	SCOSTAMENTO RILEVATO [mS]	ERRORE % F.S.	DEVIAZIONE STANDARD [mS]
1,409	1,40	-0,01	-0,05	0,01
12,89	12,8	-0,1	-0,4	0,1

NOTE: -

PROCEDURA DI TARATURA APPLICATA:

V055 rev.0

CONDIZIONI AMBIENTALI:

Temperatura (23 ± 1)°C - umidità relativa (40 ± 20)%

Temperatura delle soluzioni 25°C

CAMPIONI UTILIZZATI:

Soluzioni di conducibilità Standard 51100613 LOTTO 20106211 - 51100533 LOTTO 22209106 - 51100543 LOTTO 20807111

Calibratore Beamex id. SC056 + Pt100 id. CI280 / Certif. LAT 060 1IL0527SCZ

INCERTEZZA DI MISURA:

Incertezza di misura stimata al livello di confidenza del 95%: 1% della lettura

La taratura è stata eseguita presso i laboratori di sede in equilibrio termico con l'ambiente. Lo strumento ha richiesto la messa a punto prima della taratura eseguita come da procedura del costruttore (2 punti). I dati e le relative incertezze, riportati nel presente documento, valgono nelle condizioni in cui lo strumento è stato tarato.

L'operatore

Beltrini Luca Mario

LABORATORIO DI TARATURA STRUMENTI LTTS S.r.l. LEGNANO MI

Il responsabile del laboratorio

LTTS srl - 'via Pisacane 46 - 20025 Legnano MI - tel 0331543222 - fax 0331486660 - www.ltts.it - info@ltts.it
Cap. Sociale 20.000 € i.v. - C.F./P.I. 09651730153 - R.E.A. MI 1309824 - Reg. Imp. MI146-293612

Test Certificate

Certificat d'essai • Testzertifikat

elcometer®
www.elcometer.com

Certificate Number: 456-ZJ09801-P
Numéro de Certificat
Nr. de Zertifizierung

Probe Part Number: T456CF7ARM
Code Article de la Sonde
Artikelnummer der Sonde

Probe Type: Elcometer 456 Ferrous Probe: Armoured; Scale 7: 0-31mm/0-1220mils
Elcometer 456 Sonde Ferreuse: Blindée; Echelle 7: 0-31mm/0-1220mils
Elcometer 456 Sonde für Eisen: Gepanzert; Skala 7: 0-31mm/0-1220mils

Probe Serial Number: ZJ09801
Sonde Numéro de Série
Seriennummer des Sonden

Measurement Date: 27/09/2023
Date de Mesure
Messdatum

The probe was calibrated using factory reference gauge Serial Number KM00534, using a smooth calibration, with the factory zero plate and the thickest certified foil listed below in accordance with Elcometer's Certification Procedure.

La sonde a été calibrée à l'aide d'un étalonnage lisse, en utilisant une jauge de référence (Nr de Série KM00534), une plaque zéro et la feuille d'étalonnage certifiée la plus épaisse qui est énumérée ci-dessous, selon la Procédures d'Etalonnage d'Elcometer.

Die Sonde wurde mit einem Referenz-Gerät (Seriennummer KM00534) nach einer glatten Kalibriermethode kalibriert, durch Einsetzen einer Nullplatte und der dicksten zertifizierten Folie, die unten aufgelistet ist. Die Kalibriermethode wurde gemäß Elcometer's Zertifizierungsprotokolls.

Measurement Results: Ferrous • Résultats de Mesure: Ferreux • Messergebnisse: Eisenmetall

Foil / Substrate[1] Feuille / Substrat Folie / Untergrund			Actual Measured Value[1] Valeur mesurée Aktuelle Messwert			Allowable Value[1] Valeur admissible Zulässigen Wert		
Value • Valeur • Wert		Serial Number[2] Numéro de Série Seriennummer	µm	mils		µm	mils	
µm	mils							
31188.0	1227.87	ML08730	31138.9	1225.94	±1%	30876.1 - 31499.9	1215.60 - 1240.15	Pass • Réussi • Bestanden
9694.0	381.65	ML08725	9708.8	382.23	±3%	9403.2 - 9984.8	370.20 - 393.10	Pass • Réussi • Bestanden
0.0	0.00	VB25914	-2.0	-0.08	±10µm	-10.0 - 10.0	-0.39 - 0.39	Pass • Réussi • Bestanden

Signed on behalf of Elcometer Limited • Signé au nom d'Elcometer Limited • Unterzeichnet im Namen Elcometer Limited

Name: J Smith
Nom
Name

Quality Manager • Responsable Qualité • Qualitätsbetriebsleiter

[1] Measurements taken in microns, mils values are calculated using 1µm = 0.03937mil
Les valeurs en mils sont calculées en utilisant 1µm = 0.03937mil
Messungen in Mikrons gemäß Einheit, mils werden berechnet, benutzen Sie 1µm = 0.03937mil

[2] Certificate Number: 51826
Numéro de Certificat: 51826
Nr. des Zertifikats: 51826

DONELLI ALEXO S.R.L.	RAPPORTO DI TARATURA CALIBRATION CERTIFICATE	Nr. 11/23	DATA / DATE 31.05.2023

STRUMENTO DI LAVORO: INSTRUMENT:	DUROMETRO SHORE D SAUTER HBD 100-0 (S.N. 8256990309) HARDNESS TESTER SHORE D SAUTER HBD 100-0 (S.N. 8256990309)		
IDENTIFICAZIONE INTERNA / INTERNAL IDENTIFICATION (CPA o SL): **DASL63**			
SCHEDA STRUMENTO N. INSTRUMENT SHEET N.	63	DATA DI TARATURA / CALIBRATION DATE	**31.05.2023**
ISTRUZIONI DI TARATURA / CALIBRATION INSTRUCTIONS N° **PG1101 6.1A** IN REV.**3**			
OPERATORE DI TARATURA / CALIBRATION OPERATOR: **ANIA PIZZERA**			
FUNZIONE DI APPARTENENZA / TASK/JOB: **QA / QC**			
DATA PREVISTA PROSSIMA TARATURA / EXPECTED DATE NEXT CALIBRATION: **31.05.2024**			

RISULTATI INTERVENTO DI TARATURA / CALIBRATION RESULTS

OPERAZIONE / OPERATION	VALORE DI RIFERIMENTO / REFERENCE VALUE [SHORE D]	VALORE REGISTRATO / RECORDED VALUE [SHORE D]	NOTE E OSSERVAZIONI / REMARKS
ZERO CALIBRATION	0	0	In tolleranza In tolerance
CALIBRATION WITH TEST BLOCK	22.5	22.5	In tolleranza In tolerance
CALIBRATION WITH TEST BLOCK	22.5	22.3	In tolleranza In tolerance
HIGH END CALIBRATION ON FLAT GLASS	99.5 ÷ 101	101	In tolleranza In tolerance

ESITO DELLA TARATURA DELLO STRUMENTO: **POSITIVO** [X] **NEGATIVO** (vedi note) [ ]
RESULT INSTRUMENT CALIBRATION: **POSITIVE** [X] **NEGATIVE** (see remarks) [ ]

NOTE / AZIONI DA INTRAPENDERE: .....
REMARKS / ACTIONS TO PERFORM: .....

FIRMA OPERATORE :
SIGNATURE OPERATOR:

FIRMA APPROVAZIONE QA/QC:
SIGNATURE QA/QC APPROVAL:

file = 11_DASL63_Durometro SHORE D SAUTER HD

Batch Certificates

Jotun Protects Property

Trieste, 21/03/2024

Certificate of Batch Analysis and Conformity

We hereby certify that the product(s) supplied detailed hereon have been inspected and tested according to the following standards*:

- Viscosity: ISO 2884 / ASTM D 562
- Density: ISO 2811
- Grindness: ISO 1524
- Application properties and SAG index: n/a
- Colour strength: DIN 53234
- Specular gloss: ISO 2813

* where applicable, according to the product's type

The test results were compliant with the provisions of the QC plan(s) and the product(s) fully comply with what is described in the Technical Data Sheets.

Customer:
IMPRESA DONELLI SRL

Sales Part Description	Lot/Batch No	Production Date	Best Before Date
HARDTOP XP RAL 7035 A 18.2L	3336076-1-*-1:2	21/11/2023	20/11/2027
HARDTOP XP RAL 7035 A 18.2L	3340635-1-*-1:3	24/11/2023	23/11/2027
HARDTOP XP, COMP B 1.8L	3344297-1-*-1:2	28/11/2023	27/11/2027
BARRIER 80 S, EU COMP B 1.25L	2887683-1-*-1:2	31/08/2022	30/08/2024
BARRIER 80 S, EU COMP B 1.25L	2887677-1-*-1:2	11/08/2022	10/08/2024
BARRIER 80 S GREY A 7.5L	3397565-1-*-1:2	19/01/2024	18/01/2026
BARRIER 80 S GREY A 7.5L	3407381-1-*-1:2	30/01/2024	29/01/2026
JOTUN THINNER NO. 17 (IT) 20L	01D9683518015	12/01/2024	11/01/2028
PENGUARD UNI GREY A 15L	3389769-1-*-1:2	15/01/2024	14/01/2028
PENGUARD UNI, COMP B 5L	3347831-1-*-1:2	30/11/2023	29/11/2027
PENGUARD UNI GREY A 15L	3389769-1-*-1:2	15/01/2024	14/01/2028
PENGUARD UNI GREY A 15L	3424163-1-*-1:2	27/02/2024	26/02/2028
PENGUARD UNI, COMP B 5L	3402241-1-*-1:2	24/01/2024	23/01/2028
PENGUARD UNI, COMP B 5L	3365666-1-*-1:2-1	03/01/2024	02/01/2028
PENGUARD UNI, COMP B 5L	3347831-1-*-1:2	30/11/2023	29/11/2027
BARRIER 80 S GREY A 7.5L	3420911-1-*-1:2	15/02/2024	14/02/2026
BARRIER 80 S GREY A 7.5L	3410797-1-*-1:2	05/02/2024	04/02/2026
BARRIER 80 S, EU COMP B 1.25L	2887683-1-*-1:3	31/08/2022	30/08/2024

Jotun Italia Srl
Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia
Via O. Petronio, 8
34015 Muggia (Trieste) ITALY
P.I. 00804150324 - C.F. 10163910150

Jotun Italia Srl
Via O. Petronio, 8
34015 – Muggia (TS)
Italy

Soggetta all'attività di direzione e coordinamento da parte della Jotun AS - Norvegia.

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 21/11/2023
Batch No: 3336076-1-*-1:2
Product Code: 0UV967UMA
Best Before Date : 20/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	300	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1360	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	0.5	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Lee, Paul
QC-laboratory

Document number: **75609361**

Analysis number: **4016045**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 30/11/2023
Batch No: 3347831-1-*-1:2
Product Code: 0R5CPBFVA
Best Before Date : 29/11/2027

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	960	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609488**

Analysis number: **4026577**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 19/01/2024
Batch No: 3397565-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 18/01/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2646	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	137	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609107**

Analysis number: **4103372**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 02/02/2024
Batch No: 3410797-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 01/02/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2622	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	750	400 - um
VISCOSITY STORMER/ASTM D 562	120	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609647**

Analysis number: **4122447**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 26/08/2022
Batch No: 2887683-1-*-1:3
Product Code: 6BRCASBMF
Best Before Date : 25/08/2024

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	930	912 - 952 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609663**

Analysis number: **3458161**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP, COMP B 1.8L
Colour:
Production Date: 28/11/2023
Batch No: 3344297-1-*-1:2
Product Code: 0UVCPBBTA
Best Before Date : 27/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	609	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1137	1110 - 1150 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Holloway, Dave
QC-laboratory

Document number: **75609404**

Analysis number: **4022028**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 12/01/2024
Batch No: 3389769-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 11/01/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	675	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	60	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609492** Analysis number: **4086069**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 30/01/2024
Batch No: 3407381-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 29/01/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2740	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	450	400 - um
VISCOSITY STORMER/ASTM D 562	124	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Holloway, Dave
QC-laboratory

Document number: **75609352**

Analysis number: **4115785**

CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI GREY A 15L
Colour:
Production Date: 26/02/2024
Batch No: 3424163-1-*-1:2
Product Code: 0R5GRERVA
Best Before Date : 25/02/2028

Test	Result	Min - Max
APPLIC. PROP. AIRLESS SPRAY & SAG	750	750 - um
CONE 0-10 P AT 23 DEG.C/ISO 2884	760	500 - 800 cP
DENSITY-PYKNOMETER/ISO 2811-1	1528	1528 - 1568 kg/m3
GRINDOMETER/ISO 1524	80	- 80 um

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609501** Analysis number: **4143420**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S, EU COMP **B 1.25L**
Colour:
Production Date: 26/08/2022
Batch No: 2887683-1-*-1:2
Product Code: 6BRCASBMF
Best Before Date : 25/08/2024

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	930	912 - 952 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609140**

Analysis number: **3458161**

CERTIFICATE OF ANALYSIS

CoA

Product: HARDTOP XP RAL 7035 A 18.2L
Colour:
Production Date: 24/11/2023
Batch No: 3340635-1-*-1:3
Product Code: 0UV967UMA
Best Before Date : 23/11/2027

Test	Result	Min - Max
CONE 0-10 P AT 23 DEG.C/ISO 2884	320	200 - 350 cP
DENSITY-PYKNOMETER/ISO 2811-1	1363	1338 - 1378 kg/m3
DRYING TIME/BECK KOLLER	3	3 - 6 h
GRINDOMETER/ISO 1524	20	- 20 um
NSTR.COLORMATCHING RDY-MXD DE2000	.35	- .5 *
POTLIFE AT 23 DEG.C	1.25	1.25 - h
SAG MEASURED/SAG INDEX APPLIC.	175	175 - um
SPECULAR GLOSS AT 60 DEGR./ISO 2813	90	70 - 90 GU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609425**

Analysis number: **4021791**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	30/11/2023
Batch No:	3347831-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	29/11/2027

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	960	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609558**

Analysis number: **4026577**

CERTIFICATE OF ANALYSIS

CoA

Product:	PENGUARD UNI, COMP B 5L
Colour:	
Production Date:	23/01/2024
Batch No:	3402241-1-*-1:2
Product Code:	0R5CPBFVA
Best Before Date :	22/01/2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	950	940 - 960 kg/m3

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609529**

Analysis number: **4107435**

CERTIFICATE OF ANALYSIS

CoA

Product: BARRIER 80 S GREY A 7.5L
Colour:
Production Date: 14/02/2024
Batch No: 3420911-1-*-1:2
Product Code: 6BRGREHQA
Best Before Date : 13/02/2026

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	2620	2620 - 2740 kg/m3
SAG MEASURED/SAG INDEX APPLIC.	400	400 - um
VISCOSITY STORMER/ASTM D 562	135	120 - 141 KU

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Place and date: **JP(E)Ltd Flix Fact 26/03/2024**

Document number: **75609613**

Analysis number: **4137646**

ISO 9001 Certificato n° 39 82 71 QM
ISO 14001 Certificato n° 39 82 71 UM
OHSAS 18001 Certificato n° 39 82 71 OH

Codice / Code	Descrizione / Description
60104820029	C-DILUENTE JOTUN THINNER N.17 (IT)

Certificato di conformità / Certificate of conformity

Cliente / Customer JOTUN ITALIA S.R.L.

Ordine / Order N° 9683518

Lotto / Lot 01D9683518015

Vs. riferimento / your reference

ANALISI / ANALYSIS	METODO / METHOD	VALORE ATTESO / SPECIFICATION	RISULTATO / RESULT
ASPETTO - APPEARANCE	VISUALE - VISUAL	LIMPIDO - CLEAR	LIMPIDO - CLEAR
CONTENUTO D'ACQUA (% PESO/PESO) - WATER CONTENT (% W/W)	pro.8.5.1 - 24r -	Minore o uguale a - Less or equal to 0.2 %	0.0683 %
DENSITÀ (KG/L) - DENSITY (KG/L)	pro.8.5.1 - 24a -	Compreso tra/between 0.85 Kg/l e/and 0.87 Kg/l	0.865 Kg/l
INDICE DI RIFRAZIONE - REFRACTIVE INDEX	pro.8.5.1 - 24b -	Compreso tra/between 1.46 e/and 1.48	1.4773
ODORAZIONE - ODOUR	OLFATTIVO - OLFACTORY	CARATTERISTICA - CHARACTERISTIC	CARATTERISTICA - CHARACTERISTIC

Data Emissione / Date of issuance 15/01/2024	Rev. 5 del 25/07/2016

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CERTIFICATE OF ANALYSIS

CoA

Product: PENGUARD UNI, COMP B 5L
Colour:
Production Date: 03.01.2024
Batch No: 3365666-1-*-1:2
Product Code: 0R5CPBFVA

Best Before Date : 02.01.2028

Test	Result	Min - Max
DENSITY-PYKNOMETER/ISO 2811-1	951	950 - 970 kg/m3

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Place and date: **Cerkezköy Fact 04.01.2024**

Koca, Hakan
QC-laboratory

Document number: **74790550**

Analysis number: **4072181**