# BASE LOAD POWER HUB (BLPH)

# Electrical Typical Installation Details

# Lighting System

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
FRONT PAGE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

SHEET 001

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

| REV. | SHEET NUMBER | DESCRIPTION | REF. CODE |
|---|---|---|---|
| 02 | 001 | FRONT PAGE | |
| 02 | 002 | SUMMARY and GENERAL NOTES | |
| 02 | 003 | PHOTOCELL MOUNTED ON POLE | L01 |
| 02 | 004 | LIGHTING AND SOCKET JB MOUNTED ON CABLE LADDER | L02 |
| 02 | 005 | JUNCTION BOXES MOUNTED ON RACK SUPPORT | L21 |
| 02 | 006 | FIXTURE SUSPENSION MOUNTED WITH U-CHANNEL SUPP. | L04A |
| 02 | 007 | BLANK SHEET | |
| 02 | 008 | FIXTURE SUSPENSION MOUNTED WITH CLAMPED SUPPORT | L03A |
| 02 | 009 | NAVIGATION AID LANTERNS MOUNTED ON POLE AND FRAME | L03B |
| 02 | 010 | FIXTURE WITH CLAMPED SUPPORT ON SIDE OF STRUCTURES | L03C |
| 02 | 011 | BLANK SHEET | |
| 02 | 012 | LIGHTING FIXTURE MOUNTED ON WALL WITH U-CHANNEL | L10 |
| 02 | 013 | BLANK SHEET | |
| 02 | 014 | LIGHTING FIXTURE MOUNTED ON POLE | L11A |
| 02 | 015 | THREADED HANGER INSIDE TECHNICAL ROOMS | L04C |
| 02 | 016 | LIGHTING FIXTURE MOUNTED ON STRUCTURES AND COLUMNS | L52C |
| 02 | 017 | LIGHTING CONTROL DEVICES INDOOR WALL MOUNTING | L46A |
| 02 | 018 | LIGHTING CONTROL DEVICES OUTDOOR WALL MOUNTING | L46B |
| 02 | 019 | SOCKET OUTLET IND. TYPE 1PH+N+PE IP44 INDOOR WALL MOUNTING | L48 |
| 02 | 020 | BLANK SHEET | |
| 02 | 021 | TRAFOLYTE TAG DETAILS AND INSTALLATION | |

## GENERAL NOTES

1) AS MATERIAL OF THE EQUIPMENT SUPPORTS AND CABLE TRAYS, IN ADDITION TO THE PAINTED CARBON STEEL SUPPORTS, USE U-CHANNEL IN AISI 316L STAINLESS STEEL ON BOTH OUTSIDE AND INSIDE TECHNICAL ROOMS.
2) OUTSIDE AND INSIDE TECHNICAL ROOMS WILL BE INSTALLED AISI 316L STAINLESS STEEL CABLE WAYS.
3) INSTALLATION HEIGHTS OF THE EQUIPMENTS AND CABLE WAYS ARE INDICATED IN THE RESPECTIVE LAYOUTS.
4) ARRANGEMENTS SHOWN ON THIS DOCUMENT ARE GUIDELINES AND SHOULD BE MODIFIED TO SUIT THE LOCATION.
5) PROVIDE NYLON SHEET BETWEEN AISI 316L STAINLESS STEEL AND CARBON STEEL ITEMS TO AVOID GALVANIC CORROSION.
6) SHAPE, DIMENSION AND QUANTITY OF SUPPORTS AND ACCESSORIES FOR INSTALLATION ARE INDICATIVE ONLY.
7) WHEN CABLE GLAND IS USED, ALWAYS ENSURE TO LEAVE AS MUCH CABLE RICHNESS AS POSSIBLE INSIDE JB AND ANY OTHER TYPE OF ENCLOSURE.
8) ALWAYS ENSURE TO LEAVE ENOUGH CABLE RICHNESS FOR FUTURE MAINTENANCE. THIS IS NOT APPLICABLE FOR EARTHING AND BONDING CONDUCTORS (GREEN/YELLOW) SINCE THIS LINK SHOULD BE AS DIRECT AS POSSIBLE. IT SHOULD ALSO NOT BE APPLIED TO SINGLE CORE CABLES.
9) IN THE CASE OF “INCREASED SAFETY” (Ex e) JBs, IN ORDER NOT TO EXCEED THE TEMPERATURE CLASS T OF THE CERTIFICATE, IT IS RECOMMENDED THAT THE MAXIMUM LENGTH OF EACH CONDUCTOR PER TERMINAL TO BE CONNECTED BE HALF THE LONGEST DIAGONAL OF THE JB. (IEC 60079-14:2013 CLAUSE 15.2).
10) CABLE ROUTING TO THE ITEM/EQUIPMENT SHALL BE DONE IN ORDER TO PREVENT DROP-OFF (CABLE SHALL ROUTE LOWER THAN CABLE GLAND SO THAT ANY DROP OF CONDENSATION OR WATER DUE TO ATMOSPHERIC CAUSES WILL DRAINS DOWNWARDS).
11) ALL UNARMOURED CABLES SHALL BE MECHANICAL PROTECTED FOR THE ENTIRE CABLE LENGTH

## REFERENCE DRAWINGS

FOR CABLE TRAY INSTALLATION: DOC. 123A90-DDL-EL-DD-20093 CABLE ROUTES SYSTEM

02

CROSSWIND

ROSETTI MARINO

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
SUMMARY and GENERAL NOTES

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

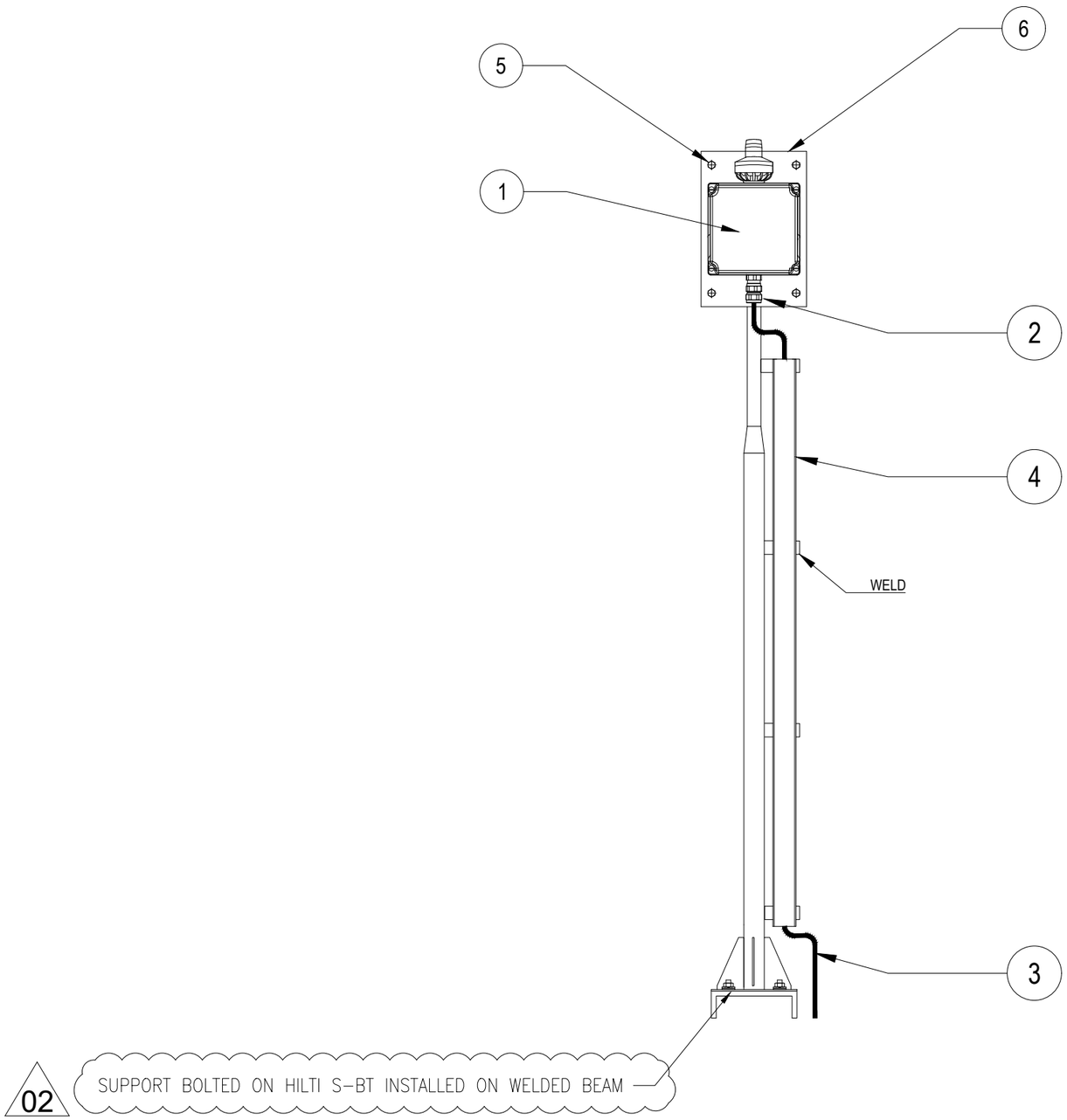
SHEET 002

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

L01




02

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | PHOTOCELL | VENDOR STD. | | | |
| 2 | DOUBLE SEAL CABLE GLAND (Ex) FOR ARMOURED CABLE | NICK.PL.BRASS | | 2 | NOTE 1 |
| 3 | ARMOURED CABLE | | | | |
| 4 | CABLE TRAY WITH COVER | AISI 316L | 50X50 | | |
| 5 | HEXAGONAL BOLT M8X30 COMPLETE WITH PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING | AISI 316L | M8x30 | 4 | |
| 6 | SUPPORT BY VENDOR | VENDOR STD. | | 1 | |

NOTES:

1) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER AND EARTH TAG (IF ANY)

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
PHOTOCELL MOUNTED ON POLE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

SHEET 003

REV. 02

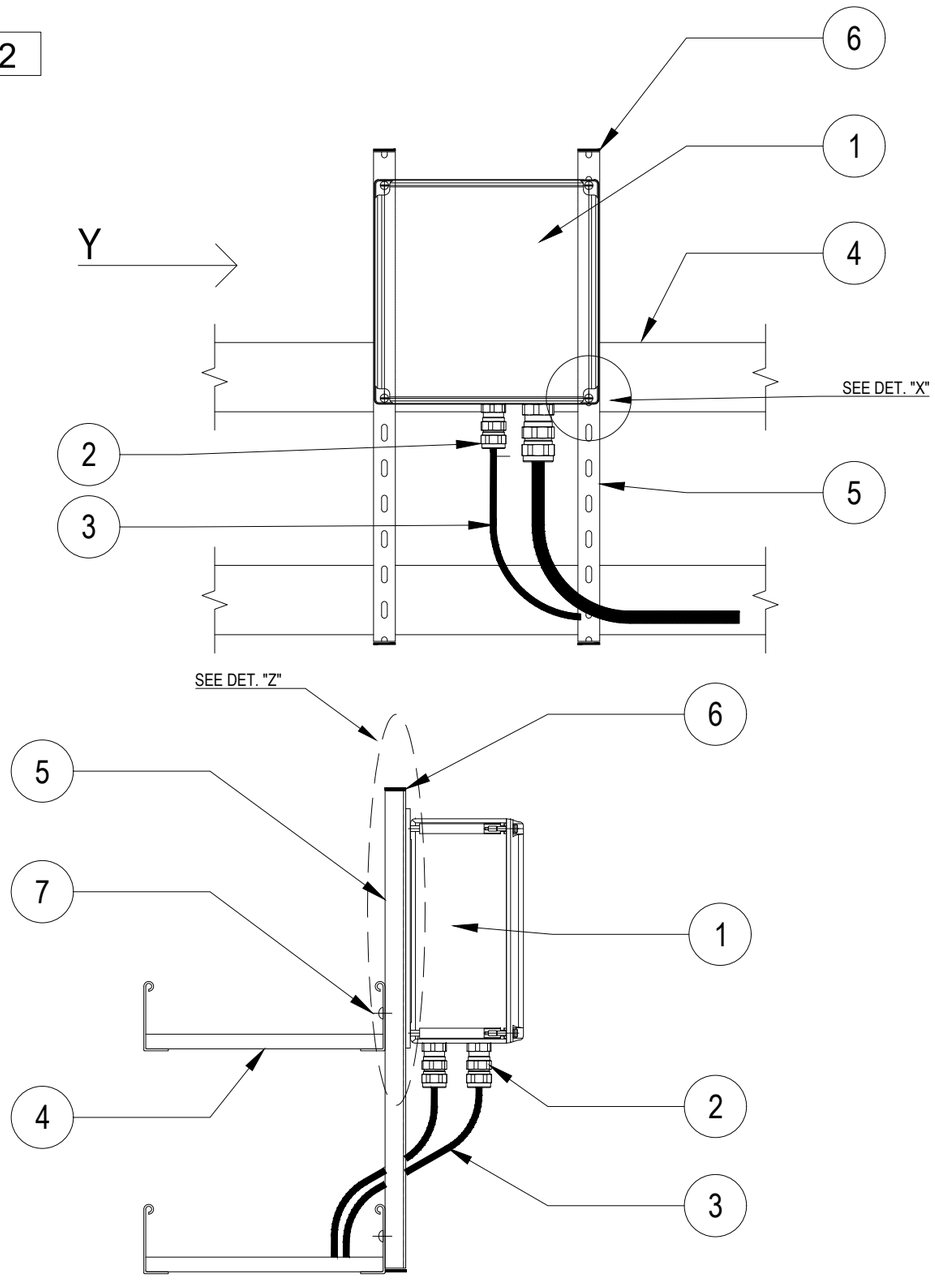
F.to UNI A3: 420mmx297mm

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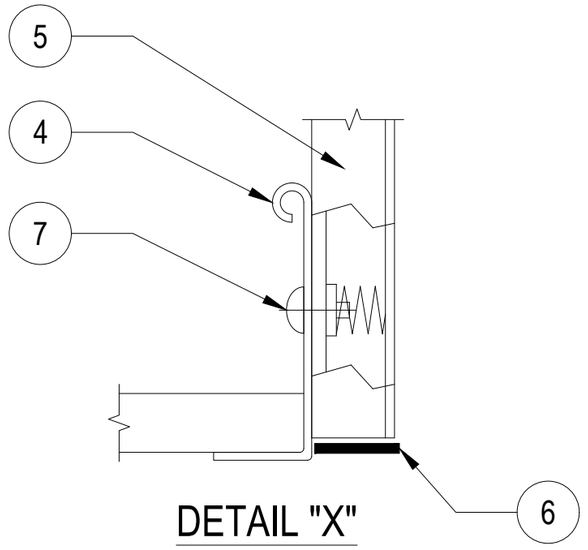
L02

02

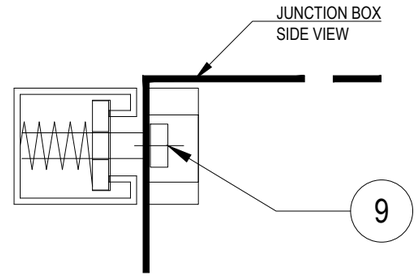
| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | JUNCTION BOX (Ex) | GRP | | | |
| 2 | CABLE GLAND FOR ARMOURED/UNARMOURED CABLE | NICK.PL.BRASS | | | NOTE 2 |
| 3 | ARMOURED/UNARMOURED CABLE | | | | |
| 4 | CABLE LADDER | AISI 316L | | | |
| 5 | SINGLE U-CHANNEL PERFORATED ON NO.3 SIDE | AISI 316L | 41x41x2 | | NOTE 1 |
| 6 | PLUG FOR U-CHANNEL | LPDE | | | |
| 7 | ROUND HEAD SCREW WITH SQUARE NECK AND NUT FOR U-CHANNEL WITH SPRING | AISI 316L | M6x20 | 4 | |
| 9 | ALLEN KEY BOLT COMPLETE WITH PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING | AISI 316L | M6x30 | | |




VIEW "Y"




DETAIL "X"




DETAIL "Z"

NOTES:

1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY PHASE.

2) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).

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| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
LIGHTING AND SOCKET JB MOUNTED ON CABLE LADDER

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

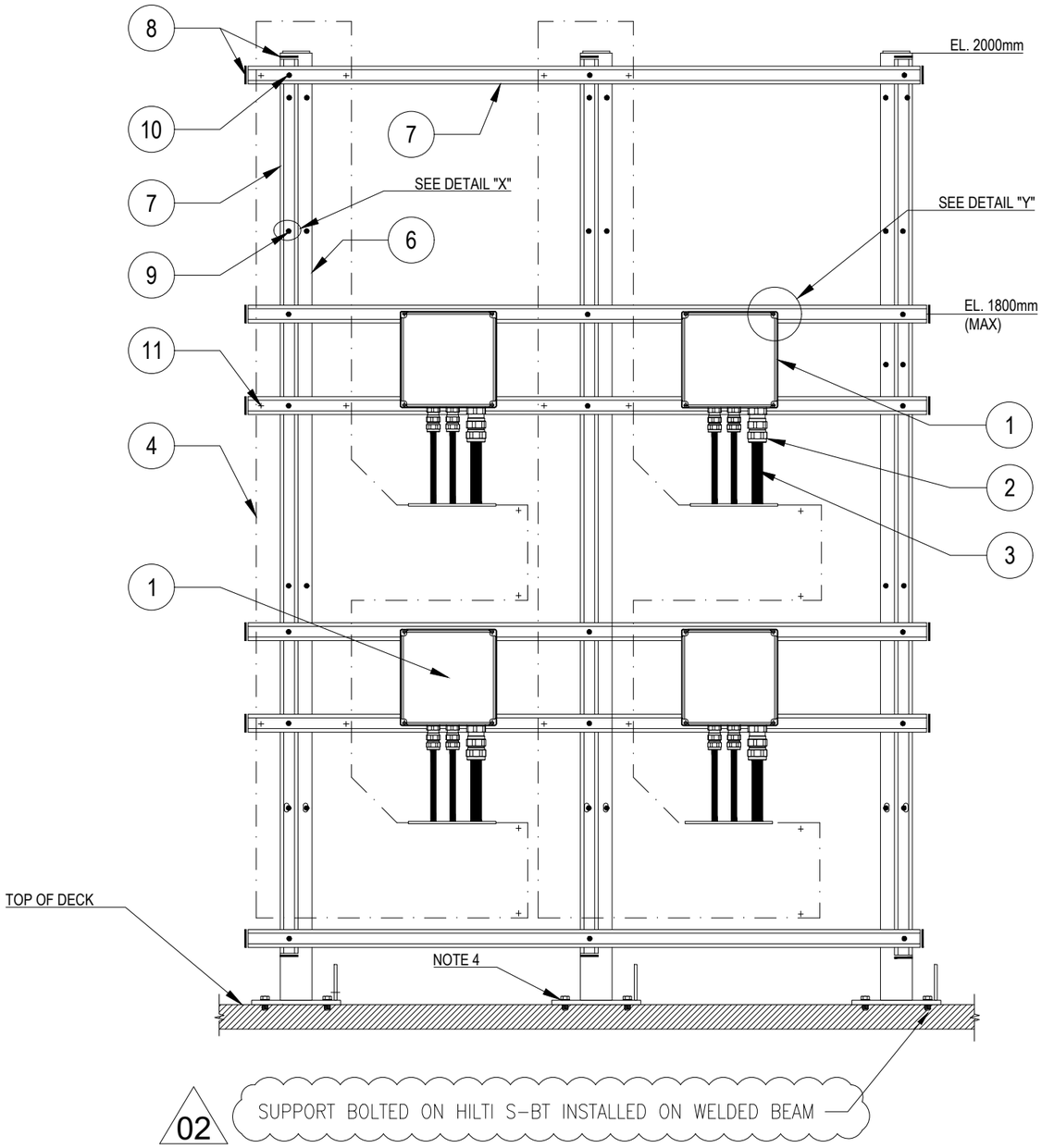
SHEET 004

REV. 02

F.to UNI A3: 420mmx297mm

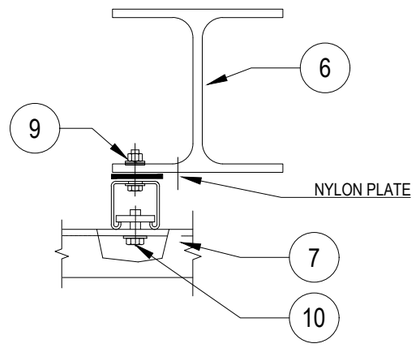
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L21

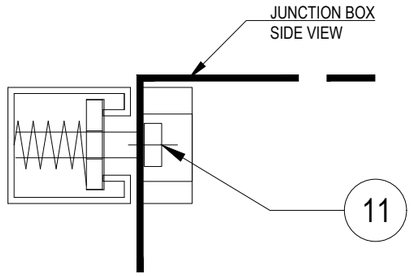



02

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | JUNCTION BOX (Ex ) | GRP | | | |
| 2 | CABLE GLAND (Ex) FOR ARMOURED/UNARMOURED CABLE | NICK.PL.BRASS | | | NOTE 2 |
| 3 | ARMOURED/UNARMOURED CABLE | | | | |
| 4 | CABLE LADDER WITH COVER | AISI 316L | | | |
| | | | | | |
| 6 | PROFILE SUPPORT | PAINTED C.S | | | |
| 7 | SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE | AISI 316L | 41x41x2 | | NOTE 1 |
| 8 | PLUG FOR U-CHANNEL | LPDE | | | |
| 9 | HEXAGONAL BOLT M10X40 WITH LARGE PLANE WASHER, NYLON PLANE WASHER, PLANE WASHERS, GROWER SPRING WASHER AND NUT | AISI 316L | M10x40 | | |
| 10 | HEXAGONAL BOLT M12X30 COMPLETE WITH LARGE PLANE WASHER, PLANE WASHER AND NUT FOR U-CHANNEL WITH SPRING | AISI 316L | M12x30 | | |
| 11 | ALLEN KEY BOLT COMPLETE WITH PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING | AISI 316L | M6x30 | | NOTE 3 |




DETAIL "X"




DETAIL "Y"

NOTES:

1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY PHASE.
2) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).
3) FOR INSTRUMENT JUNCTION BOX USE HEXAGONAL BOLT M10X30 COMPLETE WITH PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING
4) SUPPORT BOLTED ON HILTI S-BT INSTALLED ON THE DECK

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
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| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
JUNCTION BOXES MOUNTED RACK SUPPORT

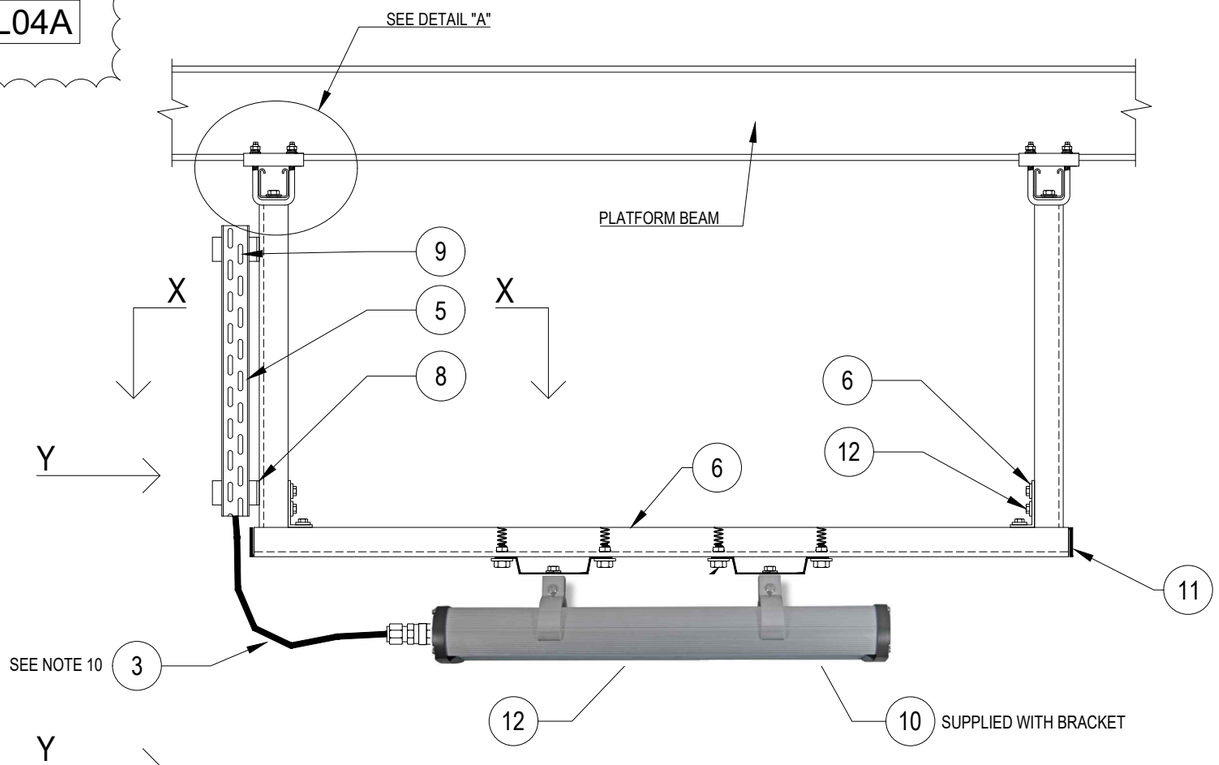
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 123A90-DDL-EL-DD-20091 | SHEET 005 | REV. 02

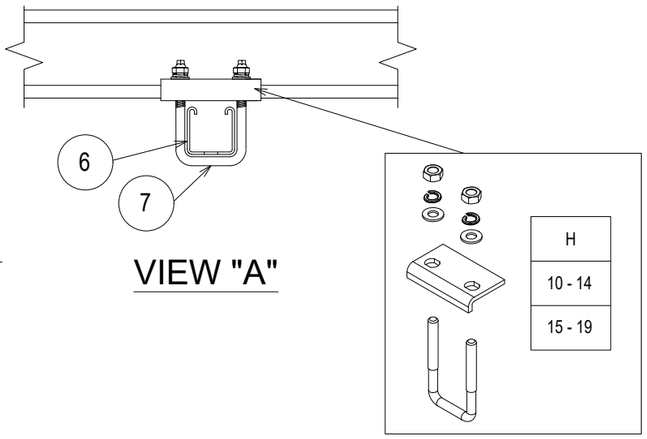
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

L04A

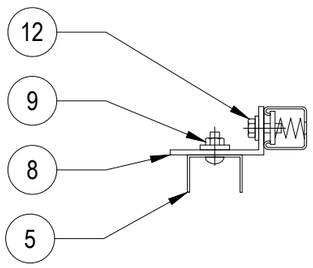



| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | LIGHITNG FIXTURE (Ex e) WITH LED LAMP | ALUMINIUM ALLOY | | 1 | |
| 2 | CABLE GLAND (Ex) FOR ARMOURED/UNARMOURED CABLE | NICK.PL.BRASS | | 1 | NOTE 2 NOTE 5 |
| 3 | ARMOURED/UNARMOURED CABLE | | | | NOTE 5 |
| 4 | PLUG | NICK.PL.BRASS | | AS REQ. | NOTE 3 |
| 5 | CABLE LADDER OR PERFORATED TRAY | AISI 316L | | AS REQ. | |
| 6 | SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE | AISI 316L | 41x41x2 | AS REQ. | |
| 7 | SINGLE U-CHANNEL BEAM ATTACHMENT (10-14) OR (15-19) WITH COLLAR COMPLETE WITH HARDWARE | AISI 316L | | 2 | NOTE 4 |
| 8 | PLATE FOR ORTHOGONAL-TRASVERSAL CONNECTION (3 HOLES) | LPDE | | 4 | |
| 9 | ROUND HEAD SCREW WITH SQUARE NECK COMPLETE WITH PLANE WASHER, SPRING WASHER AND NUT | AISI 316L | | | |
| 10 | HEX. BOLT M8X16 WITH LARGE PLANE WASHER | AISI 316L | | 2 | |
| 11 | PLUG FOR U-CHANNEL | LPDE | | 2 | |
| 12 | HEX. BOLT M10X30 WITH PLANE WASHER, NUT FOR U-CHANNEL AND SPRING | AISI 316L | | 2 | |

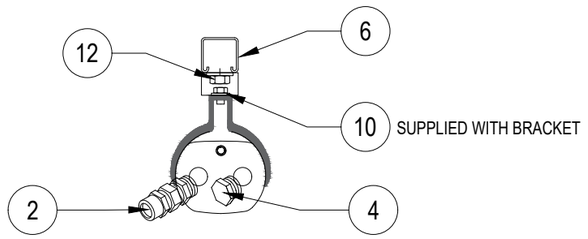



VIEW "A"

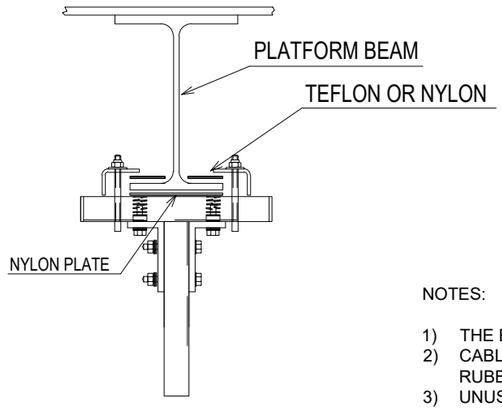
SECTION "X-X"




SECTION "Y-Y"




lighting fixture
Cortem LIFEX




DETAIL "A"

02

NOTES:

1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY PHASE.
2) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).
3) UNUSED CABLE ENTRIES MUST BE CLOSED WITH NICKEL PLATED BRASS PLUG.
4) SINGLE U-CHANNEL BEAM ATTACHMENT (CLAMP) IS PRODUCED IN NO. 2 DIFFERENT SIZES (10-14 OR 15-19) SIZE REFERS TO THE THICKNESS OF THE BEAM WHERE THE CLAMP IS INSTALLED.
5) FOR LAMPS IN HAZARDOUS AREA, USE ARMOURED CABLE, DOUBLE SEAL CABLE GLAND AND EX JUNCTION BOX.

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
FIXTURE SUSPENSION MOUNTED WITH U–CHANNEL SUPP.

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DD–20091

SHEET 006

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

# BLANK SHEET

02

CROSSWIND

ROSETTI MARINO

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
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| | | | | | |
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
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TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
BLANK SHEET

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

SHEET 007

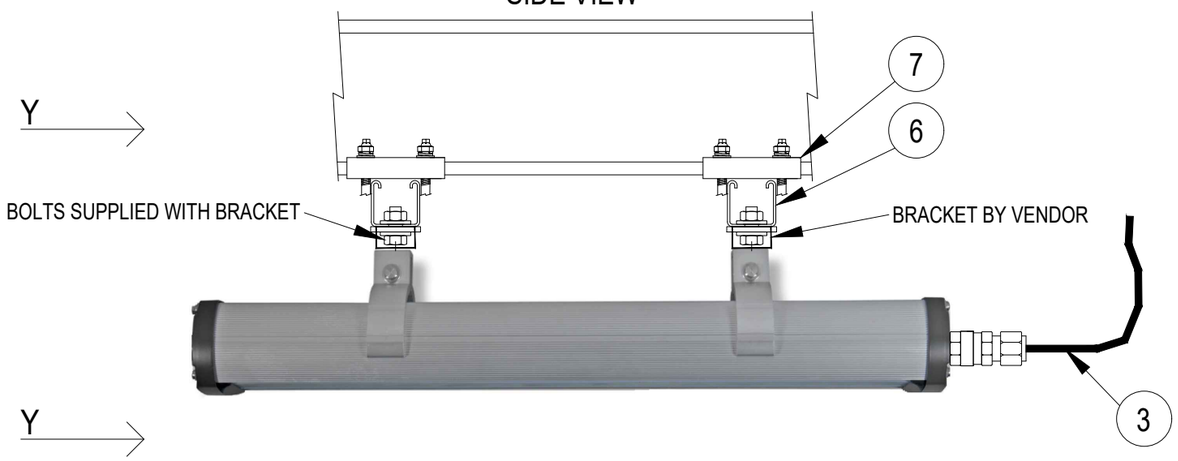
REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

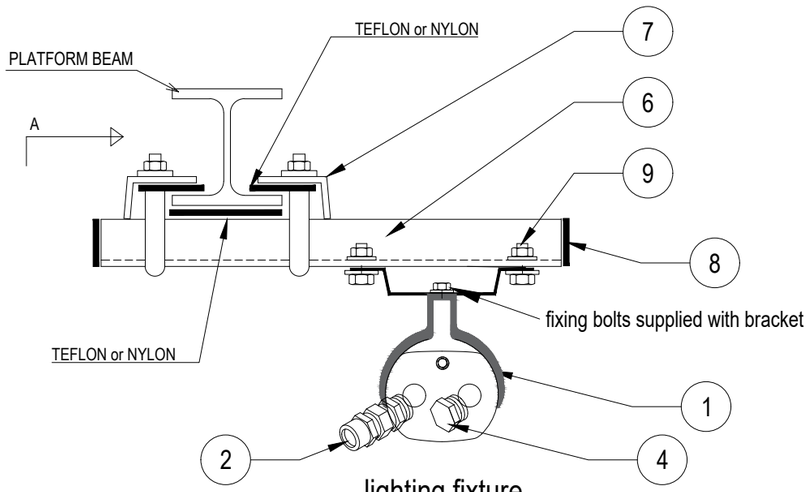
L03A

SIDE VIEW

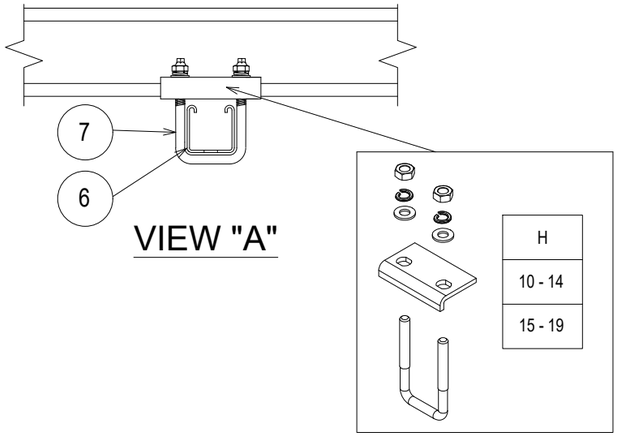



| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | LIGHITNG FIXTURE (Ex e) WITH LED LAMP | ALUMINIUM ALLOY | | 1 | |
| 2 | CABLE GLAND (Ex) FOR ARMOURED/UNARMOURED CABLE | NICK.PL.BRASS | | 1 | NOTE 2 NOTE 5 |
| 3 | ARMOURED/UNARMOURED CABLE | | | | NOTE 5 |
| 4 | PLUG | NICK.PL.BRASS | | AS REQ. | NOTE 3 |
| | | | | | |
| 6 | SINGLE U-CHANNEL PERFORATED ON NO.3 SIDE | AISI 316L | | AS REQ. | NOTE 1 |
| 7 | SINGLE U-CHANNEL BEAM ATTACHMENT (10-14) OR (15-19) WITH COLLAR COMPLETE WITH HARDWARE | AISI 316L | | 4 | NOTE 4 |
| 8 | PLUG FOR U-CHANNEL | LPDE | | 4 | |
| 9 | HEX. BOLT M8X16 WITH LARGE PLANE WASHER | | M8x16 | 4 | |

SECTION "Y-Y"




lighting fixture
Cortem LIFEX




VIEW "A"

NOTES:

1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY PHASE.
2) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).
3) UNUSED CABLE ENTRIES MUST BE CLOSED WITH NICKEL PLATED BRASS PLUG.
4) SINGLE U-CHANNEL BEAM ATTACHMENT (CLAMP) IS PRODUCED IN NO. 2 DIFFERENT SIZES (10-14 OR 15-19) SIZE REFERS TO THE THICKNESS OF THE BEAM WHERE THE CLAMP IS INSTALLED.
5) FOR LAMPS IN HAZARDOUS AREA, USE ARMOURED CABLE, DOUBLE SEAL CABLE GLAND AND EX JUNCTION BOX.

02

CROSSWIND

ROSETTI MARINO

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
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TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
FIXTURE SUSPENSION MOUNTED WITH CLAMPED SUPPORT

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20091 | SHEET 008 | REV. 02

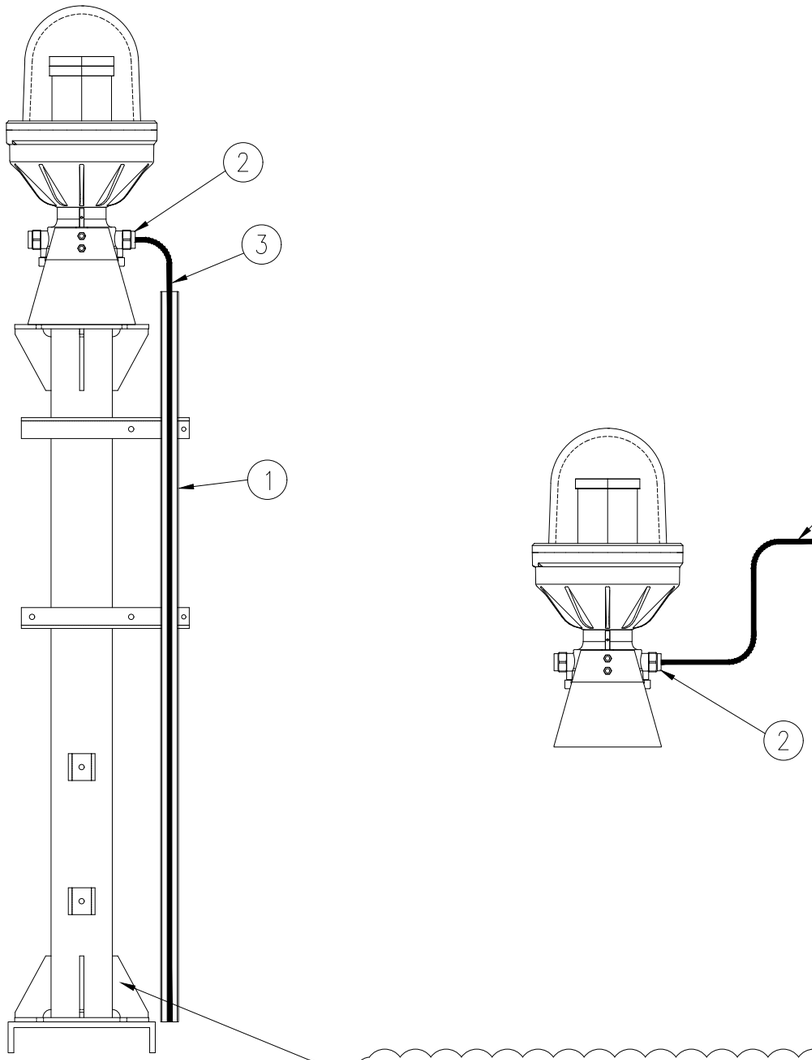
F.to UNI A3: 420mmx297mm

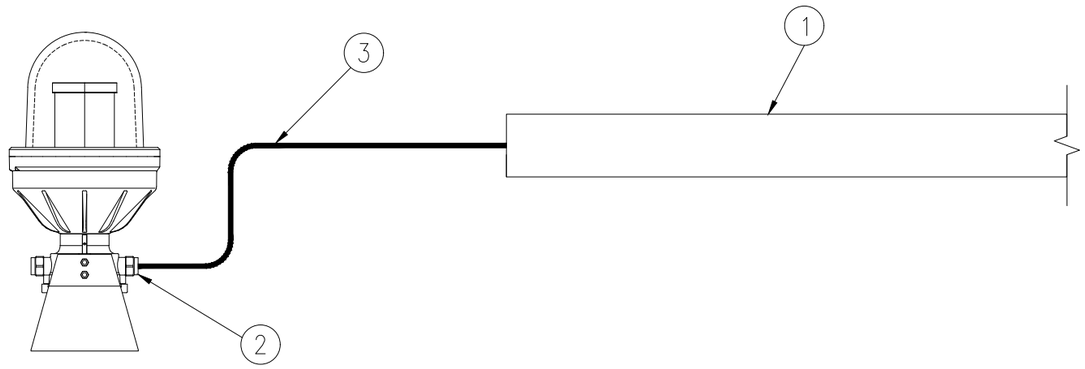
File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

L03B

02

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | CABLE TRAY | AISI 316L | | | |
| 2 | DOUBLE SEAL CABLE GLAND (Ex) FOR ARMOURED CABLE | NICK.PL.BRASS | | | NOTE 1 |
| 3 | ARMOURED CABLE | | | | |




NOTES:

1) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
NAVIGATION AID LANTERNS MOUNTED ON POLE AND FRAME

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

SHEET 009

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

# BLANK SHEET

02

CROSSWIND

ROSETTI MARINO

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
BLANK SHEET

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DD–20091

SHEET 010

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

# BLANK SHEET

02

CROSSWIND

ROSETTI MARINO

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
BLANK SHEET

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DD–20091

SHEET 011

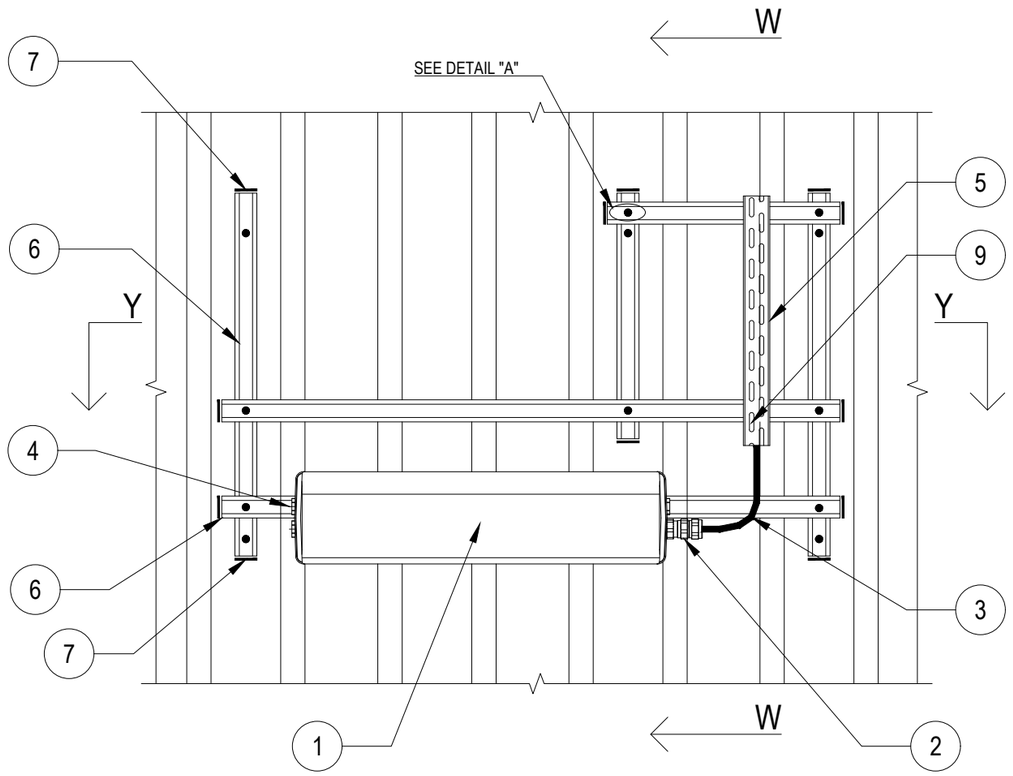
REV. 02

F.to UNI A3: 420mmx297mm

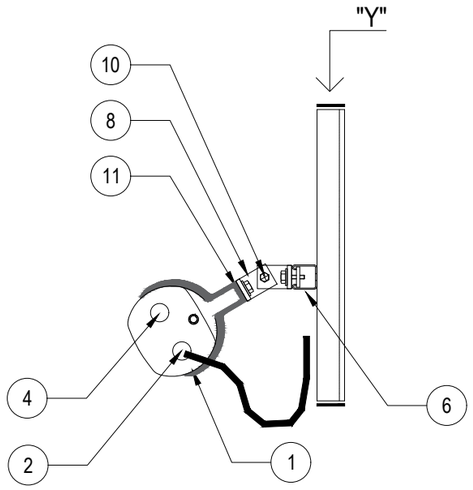
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L10

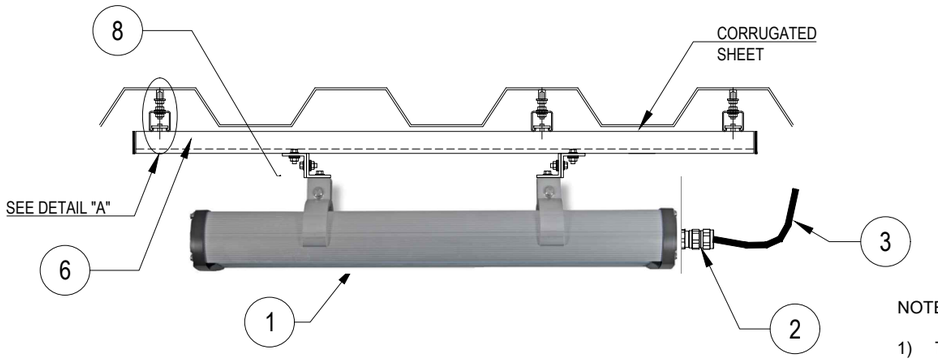
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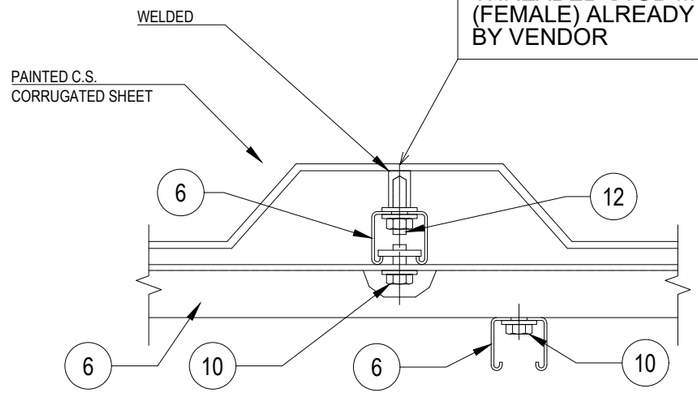

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | LIGHITNG FIXTURE (Ex) WITH LED LAMP | ALUMINIUM ALLOY | | 1 | |
| 2 | CABLE GLAND (Ex) FOR ARMOURED/UNARMOURED CABLE | NICK.PL.BRASS | | AS REQ. | NOTE 2 NOTE 4 |
| 3 | ARMOURED/UNARMOURED CABLE | | | | NOTE 4 |
| 4 | PLUG | NICK.PL.BRASS | | AS REQ. | NOTE 3 |
| 5 | CABLE TRAY | AISI 316L | | | |
| 6 | SINGLE U-CHANNEL PERFORATED ON NO.3 SIDE | AISI 316L | 41x41x2 | | NOTE 1 |
| 7 | PLUG FOR U-CHANNEL | LPDE | | AS REQ. | |
| 8 | ANGLE PLATE FOR ORTOGONAL-TRASV. CONNECTION WITH NO. 2 HOLES FOR UNISTRUT PROFILE 41x41x2X2 | AISI 316L | | 4 | |
| 9 | DOUBLE SLOT CROWNED HEAD SCREW WITH NUT FOR CHANNEL WITH SPRING | AISI 316L | M6x20 | | |
| 10 | HEX. BOLT WITH PLANE WASHERS, SPRING WASHER AND NUT | AISI 316L | M10x30 | 4 | |
| 11 | HEX. BOLT WITH PLANE WASHER | AISI 316L | M8x16 | 2 | |
| 12 | THREADED ROD COMPLETE WITH PLANE WASHER, LARGE PLANE WASHERS, SPRING WASHER AND NUTS | AISI 316L | M10x110 | | |




SECTION "W-W"




SECTION "Y-Y"




DETAIL "A"

NOTES:

1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY PHASE.
2) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).
3) UNUSED CABLE ENTRIES MUST BE CLOSED WITH NICKEL PLATED BRASS PLUG.
4) FOR LAMPS IN HAZARDOUS AREA, USE ARMOURED CABLE, DOUBLE SEAL CABLE GLAND AND EX JUNCTION BOX.

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
LIGHTING FIXTURE MOUNTED ON WALL WITH U–CHANNEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

SHEET 012

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

# BLANK SHEET

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
BLANK SHEET

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

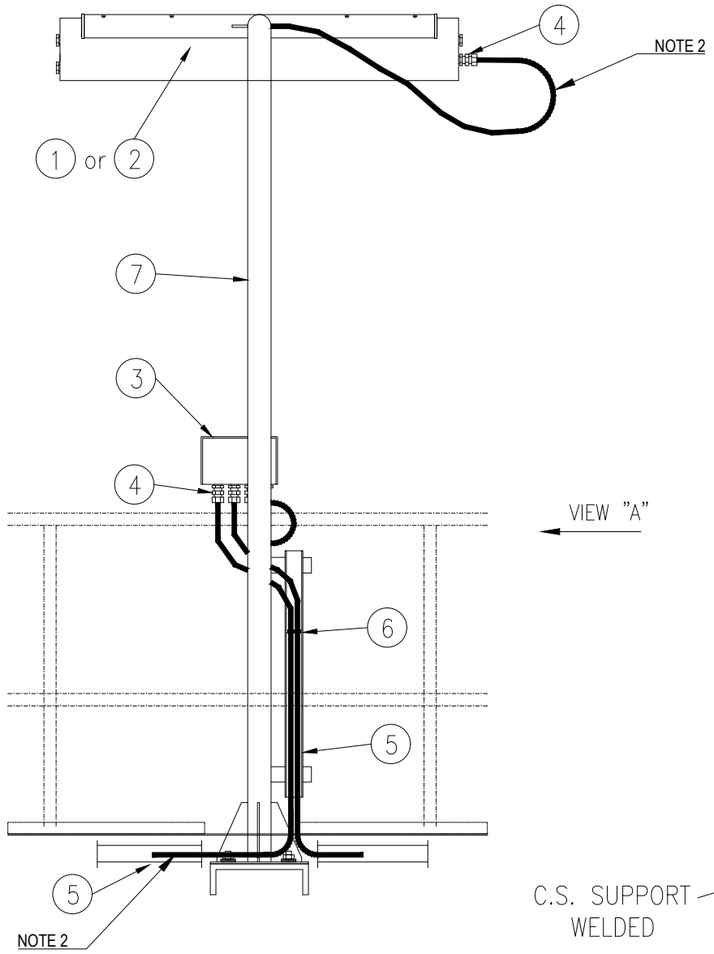
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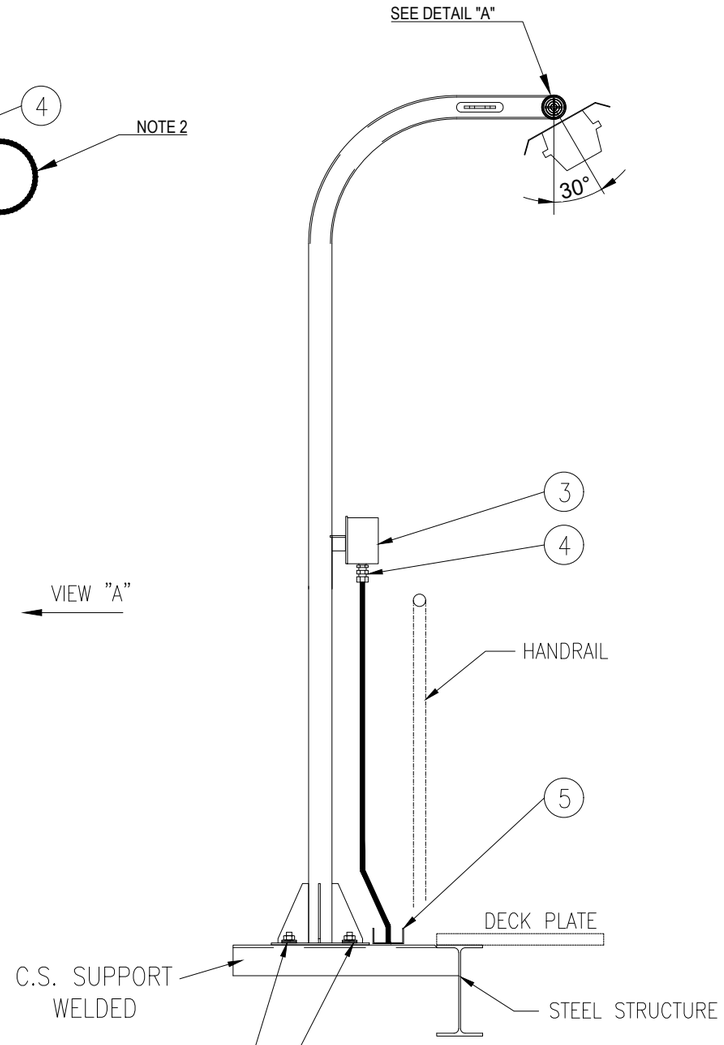
REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

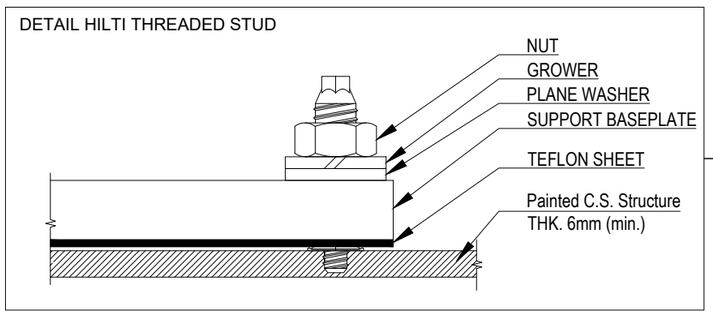
L11A



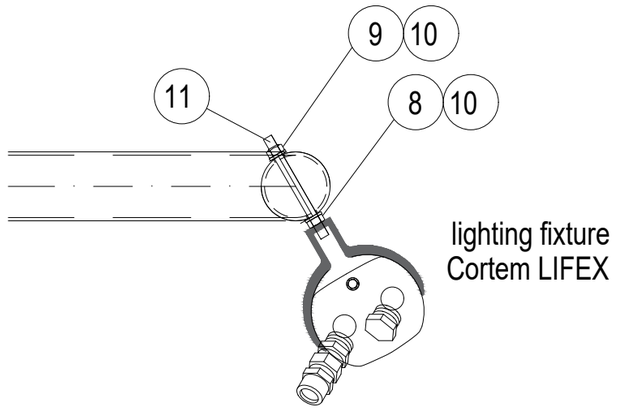




VIEW "A"

SUPPORT BOLTED ON HILTI S-BT INSTALLED ON WELDED BEAM:




| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | 42W LED LUMINARIES | ALUMINIUM ALLOY | | 1 | |
| 2 | 45W LED LUMINARIES C/W BATTERY | ALUMINIUM ALLOY | | 1 | |
| 3 | JUNCTION BOX (Ex ) | GRP | | 1 | NOTE 1 |
| 4 | CABLE GLAND C/W EARTH TAG, WASHERS, LOCKNUT AND WEATHERPROOF WASHERS | BRASS NICKEL PLATED | | AS REQ. | |
| 5 | CABLE TRAY | AISI 316L | | | |
| 6 | STAINLESS STEEL NYLON COATED CABLE TIE | SS NYLON COATED | | | |
| 7 | POLE SUPPORT FOR LAMP | AISI 316L | 2" | | |
| 8 | NUT | AISI 316L | M8 | | |
| 9 | SELF.LOCKING NUT | AISI 316L | M8 | | |
| 10 | LARGE PLANE WASHER (24mm DIAM.) | AISI 316L | M8 | | |
| 11 | THREADED ROD M8x100 | AISI 316L | M8 | | |




DETAIL "A"

NOTES:

1) FOR LAMPS IN HAZARDOUS AREA, USE ARMOURED CABLE, DOUBLE SEAL CABLE GLAND AND EX JUNCTION BOX.

2) ALWAYS ENSURE CABLE LENGTH IS >3m

02

CROSSWIND

ROSETTI MARINO

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
LIGHTING FIXTURE MOUNTED ON POLE

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20091 | SHEET 014 | REV. 02

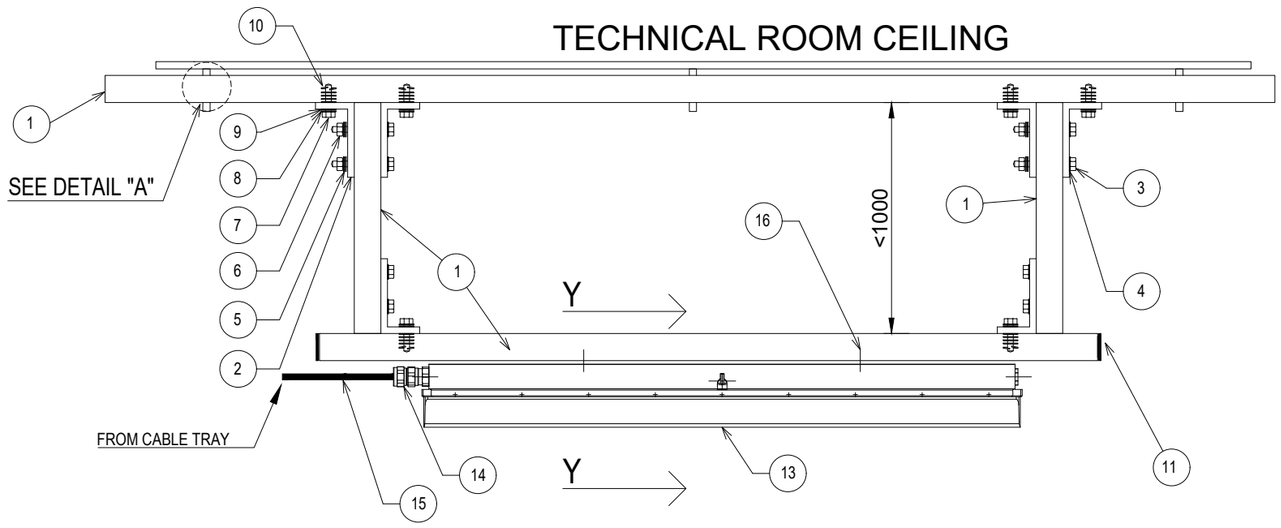
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

L04C

02

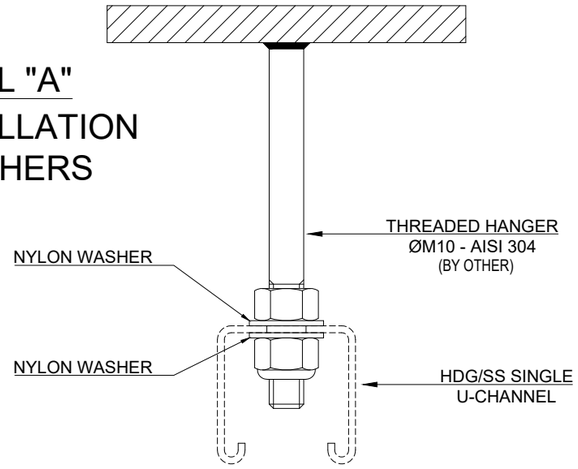
# TECHNICAL ROOM CEILING



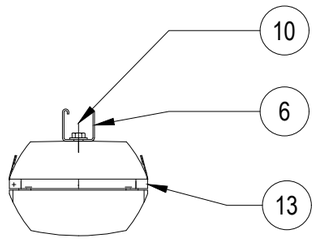

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE | AISI 316L | 41x41x2 | AS REQ. | NOTE 1 |
| 2 | ORTHOGONAL-TRASVERSAL CONNECTION (3 HOLE) | AISI 316L | | 8 | |
| 3 | HEXAGONAL SCREW | AISI 316L | M10x70 | 4 | |
| 4 | PLANE WASHER | AISI 316L | M10 | 4 | |
| 5 | GROWER SPRING WASHER | AISI 316L | M10 | 4 | |
| 6 | NUT FOR CHANNEL WITH SPRING | AISI 316L | M10 | 4 | |
| 7 | HEXAGONAL SCREW | AISI 316L | M12x30 | 16 | |
| 8 | PLANE WASHER | AISI 316L | M12 | 16 | |
| 9 | GROWER | AISI 316L | M12 | 16 | |
| 10 | NUT FOR U-CHANNEL WITH SPRING | AISI 316L | M12 | 12 | |
| 11 | PLUG FOR U-CHANNEL | LPDE | | 2 | |
| 12 | FLAT BAR (4 HOLES) | | | | |
| 13 | LIGHITNG FIXTURE (Ex e) WITH LED LAMP | ALUMINIUM ALLOY | | 1 | |
| 14 | SINGLE SEAL CABLE GLAND FOR UNARMOURED CABLE | NICK.PL.BRASS | | 1 | NOTE 2 |
| 15 | UNARMOURED CABLE | | | | |
| 16 | BOLT | AISI 316L | M8 | 2 | |

02

## DETAIL "A"
## INSTALLATION BY OTHERS




## SECTION "Y-Y"




NOTES:

1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY PHASE.
2) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).
3) UNUSED CABLE ENTRIES MUST BE CLOSED WITH NICKEL PLATED BRASS PLUG.

CROSSWIND

ROSETTI MARINO

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
THREADED HANGER INSIDE TECHNICAL ROOMS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DD–20091

SHEET 015

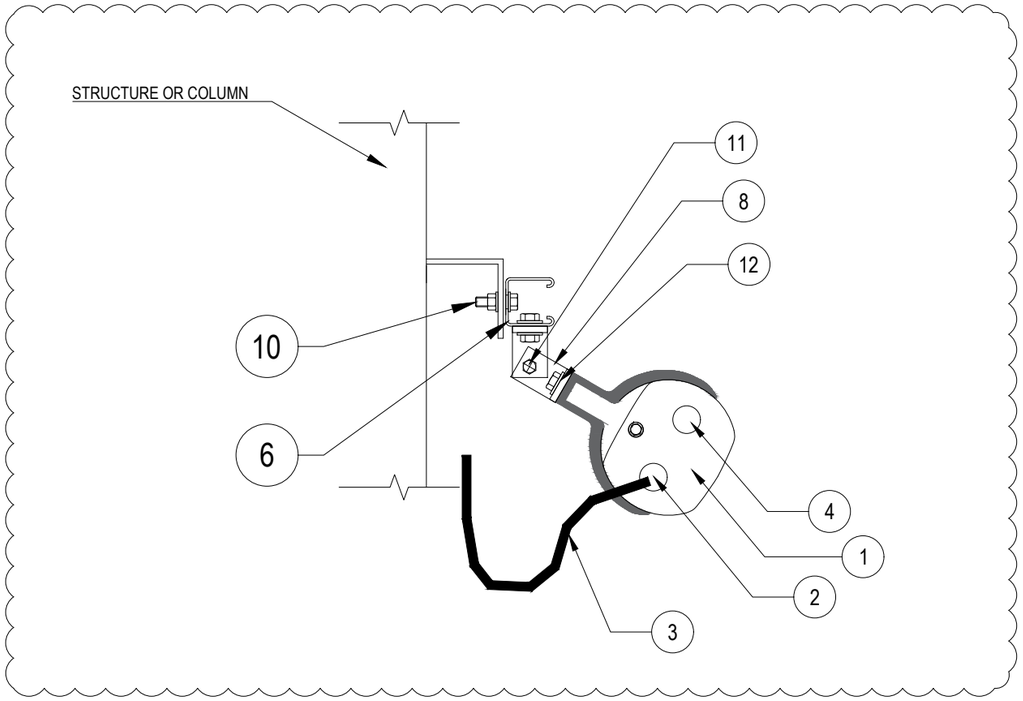
REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

L52C

02




02

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | LIGHTING FIXT. (EX) WITH LED LAMP | ALUMINIUM ALLOY | | 1 | |
| 2 | CABLE GLAND FOR ARM/UNARMOURED CABLE | | | | NOTE 2 NOTE 4 |
| 3 | ARMOURED/UNARMOURED CABLE | | | | NOTE 4 |
| 4 | PLUG | NICK.PL.BRASS | | | NOTE 3 |
| 5 | CABLE TRAY WITH COVER | AISI 316L | 50X50 | 2 | |
| 6 | SINGLE U-CHANNEL PERFORATED ON NO.3 SIDE | AISI 316L | | AS REQ. | NOTE 1 |
| | | | | | |
| 8 | PLUG FOR U-CHANNEL | LPDE | | 12 | |
| 9 | PLATE FOR ORTOGONAL CONNECTION WITH 2 HOLES | AISI 316L | | 4 | |
| 10 | BOLT M10X40 COMPLETE WITH PLANE WASHERS, GROWER SPRING WASHER AND NUT | AISI 316L | | 8 | |
| 11 | HEX. BOLT M10X30 WITH PLANE WASHER AND NUT FOR CHANNEL WITH SPRING | AISI 316L | | 4 | |
| 12 | HEX. BOLT M8X16 WITH LARGE PLANE WASHER | AISI 316L | | 2 | |

NOTES:

1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).
3) UNUSED CABLE ENTRIES MUST BE CLOSED WITH NICKEL PLATED BRASS PLUG.
4) FOR LAMPS IN HAZARDOUS AREA, USE ARMORED CABLE, DOUBLE CABLE GLAND AND EX JUNCTION BOX.

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
LIGHTING FIXTURE MOUNTED ON STRUCTURES AND COLUMNS

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

A3 | DRAWING NO. 123A90–DDL–EL–DD–20091 | SHEET 016 | REV. 02

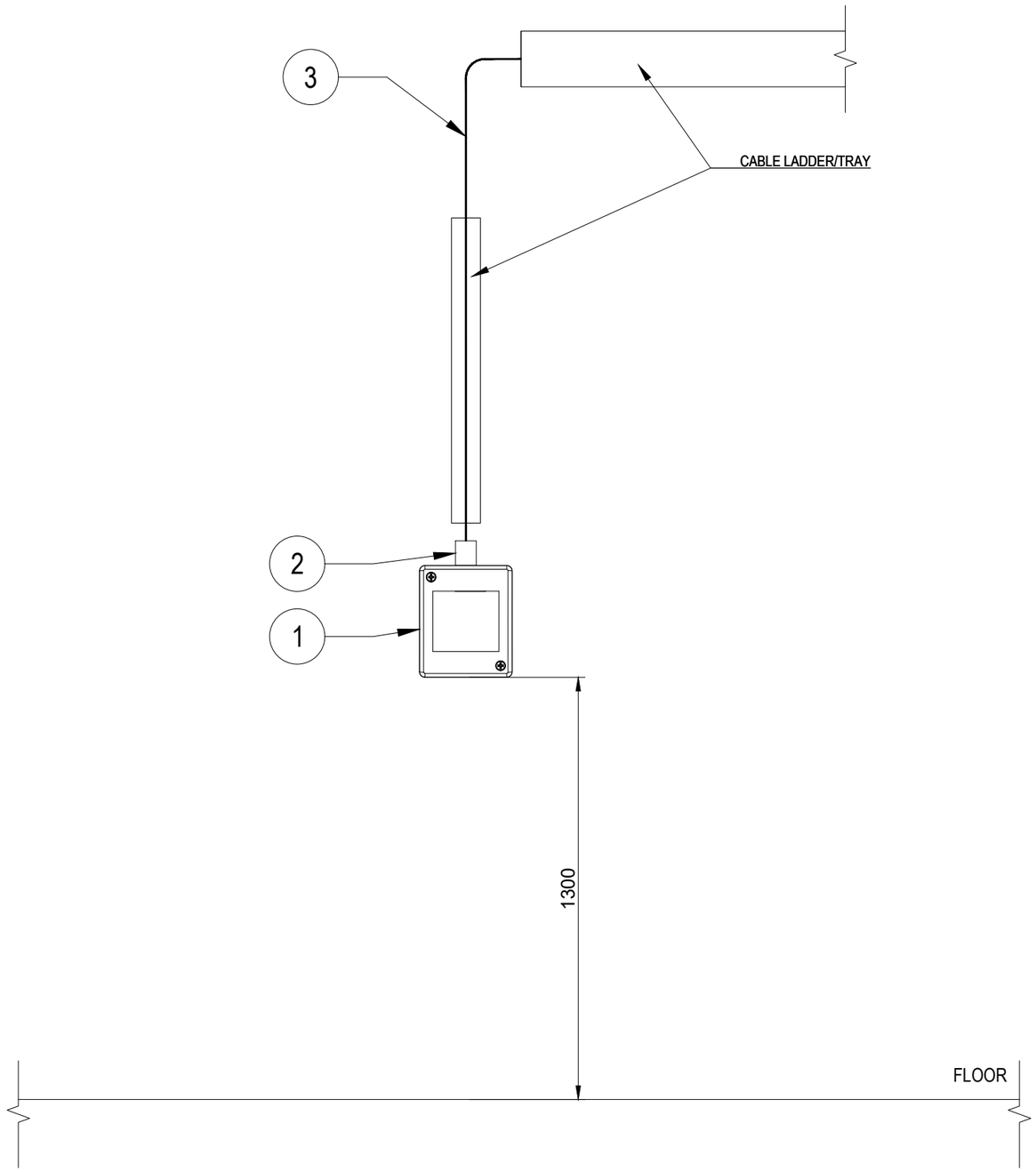
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

L46A

02

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | LIGHTING CONTROL DEVICE COMPLETE WITH SURFACE MOUNTING BOX | THERMOPLASTIC | | 1 | |
| 2 | COUPLING PIPE/BOX IP64, GREY, COMPLETE WITH LOCKNUT | THERMOPLASTIC | | 1 | |
| 3 | UNARMOURED CABLE | | | | |
| | | | | | |
| | | | | | |
| | | | | | |




| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
LIGHTING CONTROL DEVICES INDOOR WALL MOUNTING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

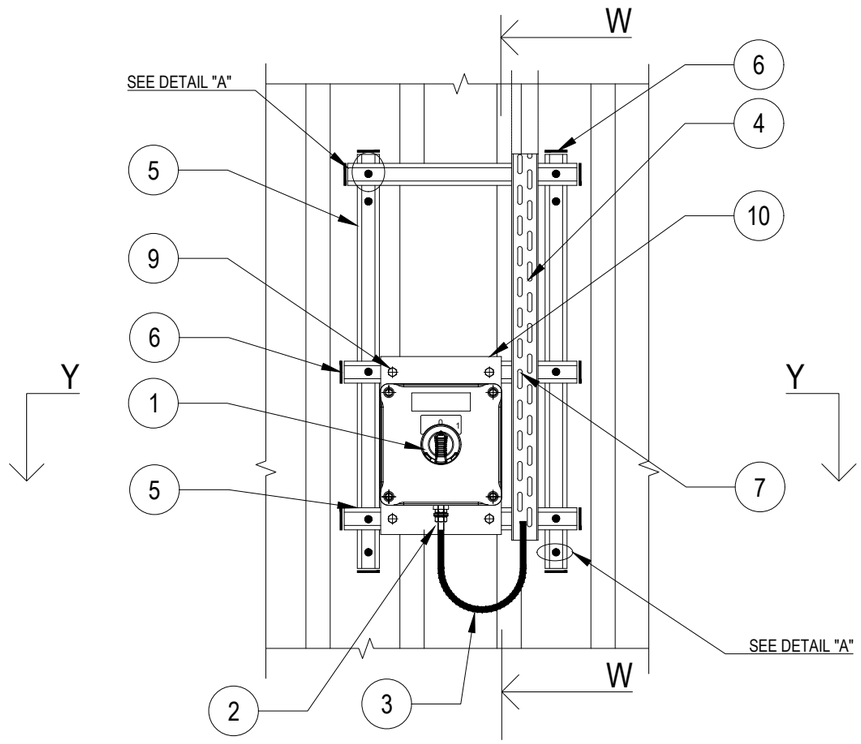
SHEET 017

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

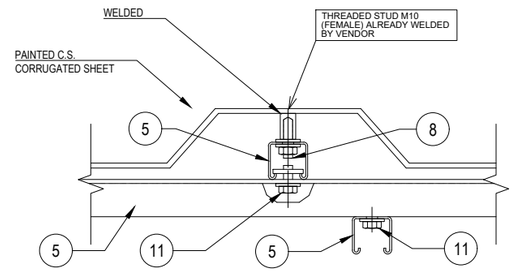
L46B



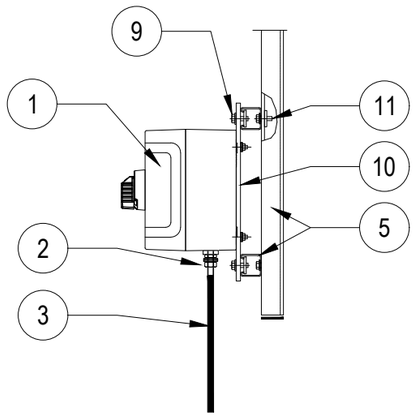

02

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | LIGHT SELECTOR | AISI 316L | | 1 | |
| 2 | SINGLE SEAL CABLE GLAND FOR UNARMOURED CABLE | NICK.PL.BRASS | | 1 | NOTE 2 |
| 3 | UNARMOURED CABLE | | | | |
| 4 | CABLE TRAY WITH COVER | AISI 316L | 50x50 | AS R. | |
| 5 | SINGLE U-CHANNEL PERFORATED ON NO.3 SIDE | AISI 316L | 41x41x2 | AS R. | NOTE 1 |
| 6 | PLUG FOR U-CHANNEL | LPDE | | 8 | |
| 7 | DOUBLE SLOT CROWNED HEAD SCREW M6X20 WITH NUT FOR CHANNEL WITH SPRING | AISI 316L | M6x20 | AS R. | |
| 8 | THREADED ROD COMPLETE WITH PLANE WASHER, LARGE PLANE WASHERS, SPRING WASHER AND NUTS | AISI 316L | M10x110 | | |
| 9 | HEXAGONAL BOLT COMPLETE WITH PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING | AISI 316L | M8x30 | 4 | |
| 10 | PLATE SUPPORT FOR JB | AISI 316L | | 1 | NOTE 1 |
| 11 | HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING | AISI 316L | M10x30 | AS R. | |

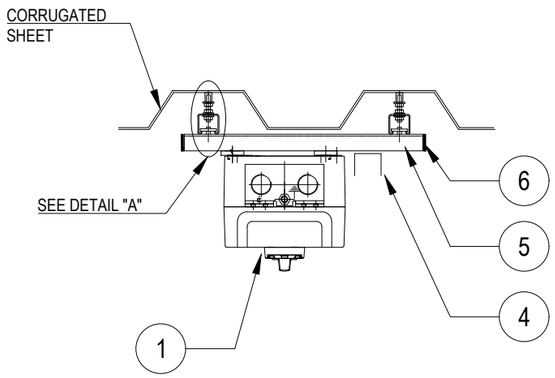
DETAIL "A"




SECTION "W-W"




SECTION "Y-Y"




NOTES:

1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY PHASE.
2) CABLE GLAND COMPLETE WITH LOCKNUT, NYLON WASHER, SERRATED WASHER, EXTERNAL RUBBER RING AND EARTH TAG (IF NECESSARY).

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
LIGHTING CONTROL DEVICES OUTDOOR WALL MOUNTING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DD-20091

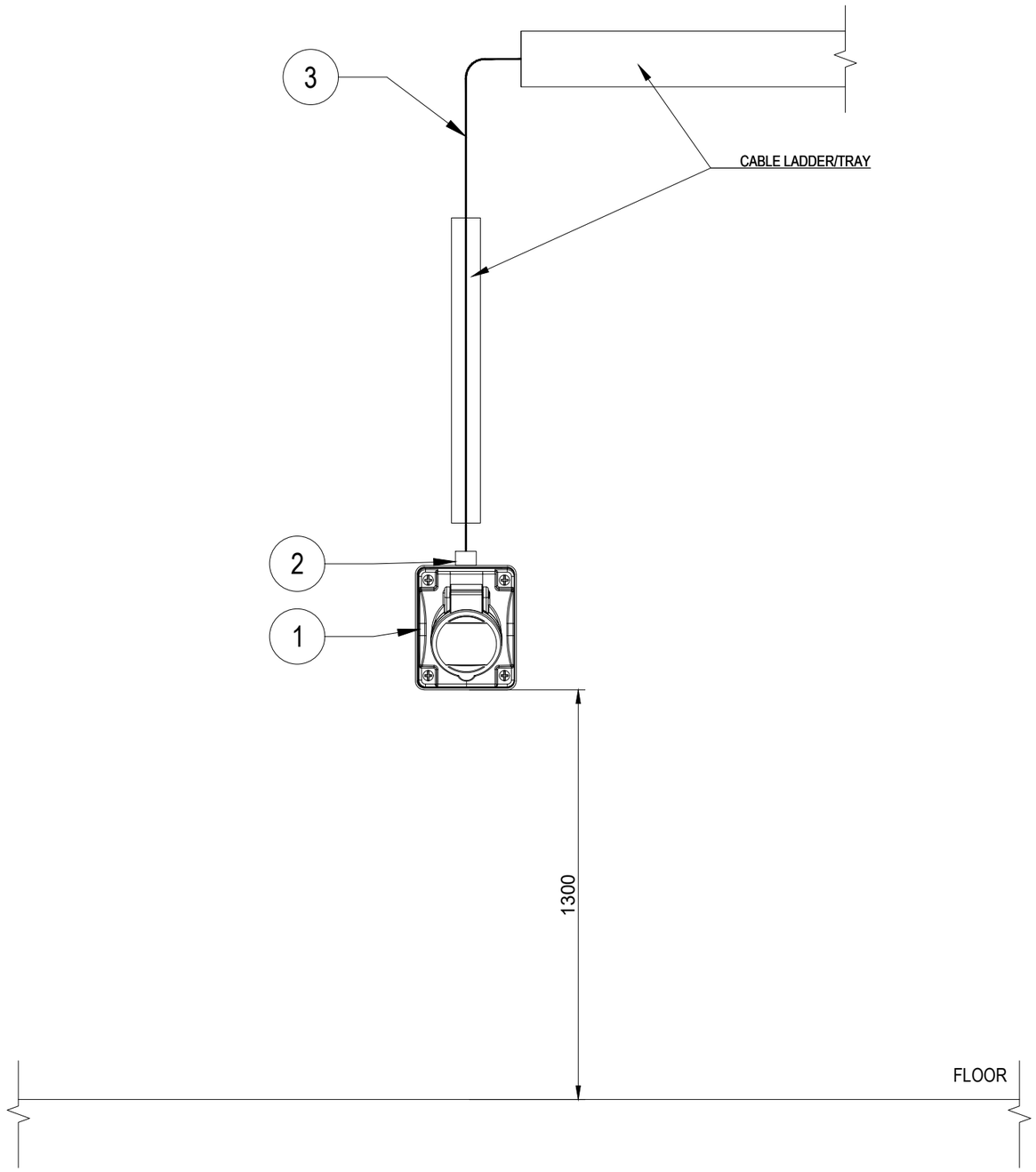
SHEET 018

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

L48




02

| POS. | DESCRIPTION | MATERIAL | SIZE | Q.TY | NOTE |
|---|---|---|---|---|---|
| 1 | SOCKET OUTLET, CEE INDUSTRIAL TYPE - 16A, 1PH+N+PE, IP 44, COMPLETE SURFACE MOUNTING BOX | THERMOPLASTIC | | 1 | |
| 2 | JOINT FOR PIPE-BOX CONNECTION COMPLETE WITH LOCKNUT | | | 1 | |
| 3 | UNARMOURED CABLE | | | AS R | |
| | | | | | |
| | | | | | |
| | | | | | |

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
SOCKET OUTLET IND. TYPE 1PH+N+PE IP44 INDOOR WALL MOUNTING

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20091 | SHEET 019 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG

# BLANK SHEET

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-LIGHTING SYSTEM
BLANK SHEET

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

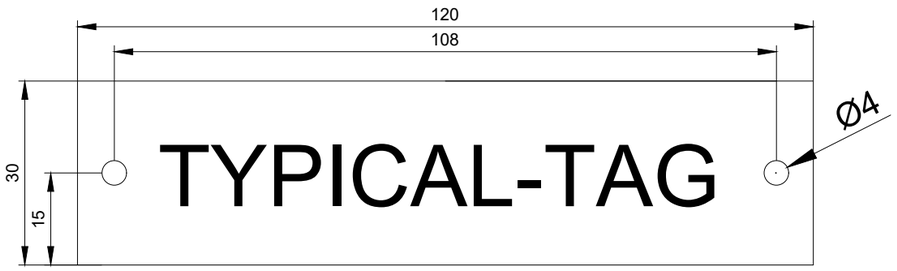
DRAWING NO. 123A90-DDL-EL-DD-20091

SHEET 020

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG



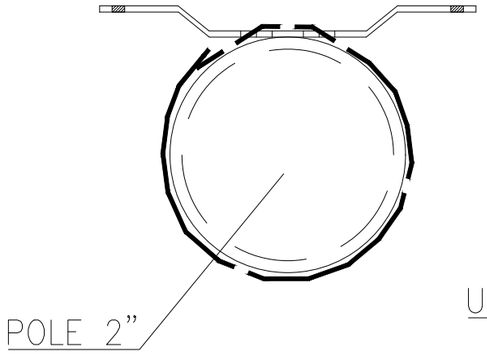

MATERIAL : TRAFFOLYTE APPROX. 3mm THICK
ENGRAVING : MAXIMUM 18 CHARACTERS
FONT : ARIAL
LETTER HEIGHT : 10mm
MINIMUM WIDTH FACTOR: 0,75

| LETTERS | BACKGROUND | SYSTEM | TYPE |
|---|---|---|---|
| BLACK | WHITE | ELECTRICAL & TELECOM & PROCESS CONTROL SYSTEM (PCS) | 1 |
| WHITE | RED | SAFETY SYSTEM (SS/ESD/FGS) | 2 |
| WHITE | LIGHT BLUE | INTRINSECALLY SAFE | 3 |

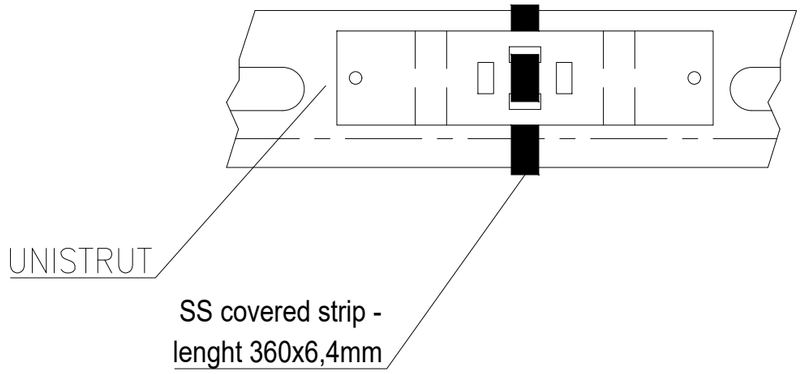
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
2. ALL INSTRUMENTS SHALL BE PROVIDED WITH STAINLESS STEEL PLATE WITH 5mm LETTER HEIGHT, ATTACH WITH A SS316 OR 316L WIRE.
3. I.S. JUNCTION BOXES SHALL BE SPECIALLY IDENTIFIED WITH A LABEL INDICATING "INTRINSIC SAFETY CIRCUIT" WITH WHITE LETTERS AND LIGHT BLUE BACKGROUND.
4. TAGGING SHALL BE DONE IN SUCH A WAY THAT EQUIPMENT CERTIFICATION IS NOT AFFECTED, IF FASTENING BY SCREW AFFECTS THE CERTIFICATION, TAGGING WILL BE ATTACHED USING SILKAFLEX 591.

TAG-HOLDER PLATE
MOUNTED ON 2"POLE WITH STRIP

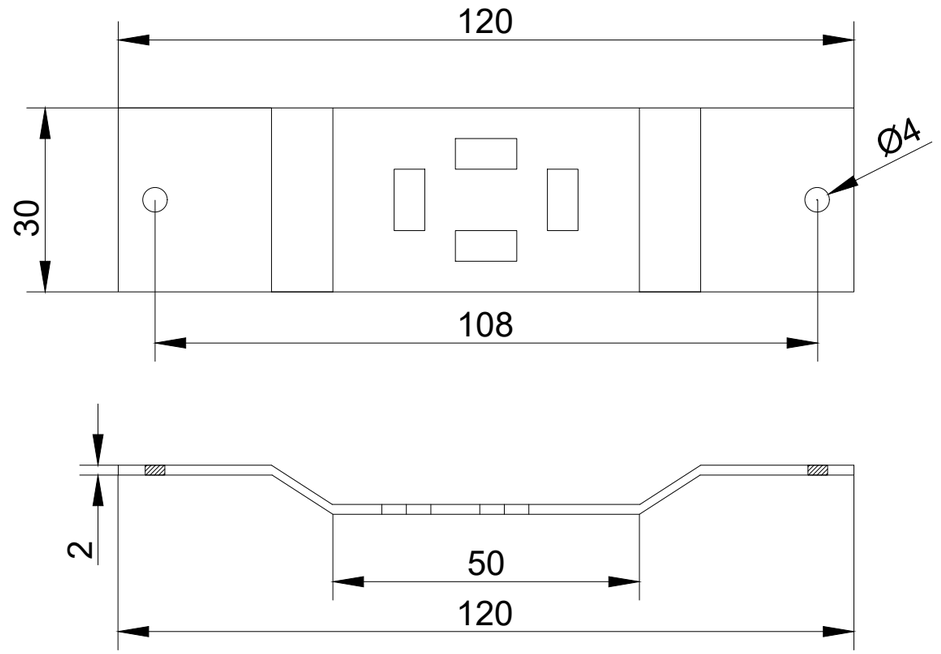



TAG-HOLDER PLATE
MOUNTED ON UNISTRUT WITH STRIP




# TAG-HOLDER PLATE

complete with M3 fixing accessories




| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| 02 | 30/09/24 | GRA | AMA | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 01 | 04/07/24 | NLK | FMA/AMA | FPA/DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 21/11/23 | SPS | FMA/AMA | FPA/DLO | ISSUE FOR REVIEW (IFR) |

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–LIGHTING SYSTEM
TRAFOLYTE TAG DETAILS AND INSTALLATION

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

A3 | DRAWING NO. 123A90–DDL–EL–DD–20091 | SHEET 021 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20091 REV.02.DWG