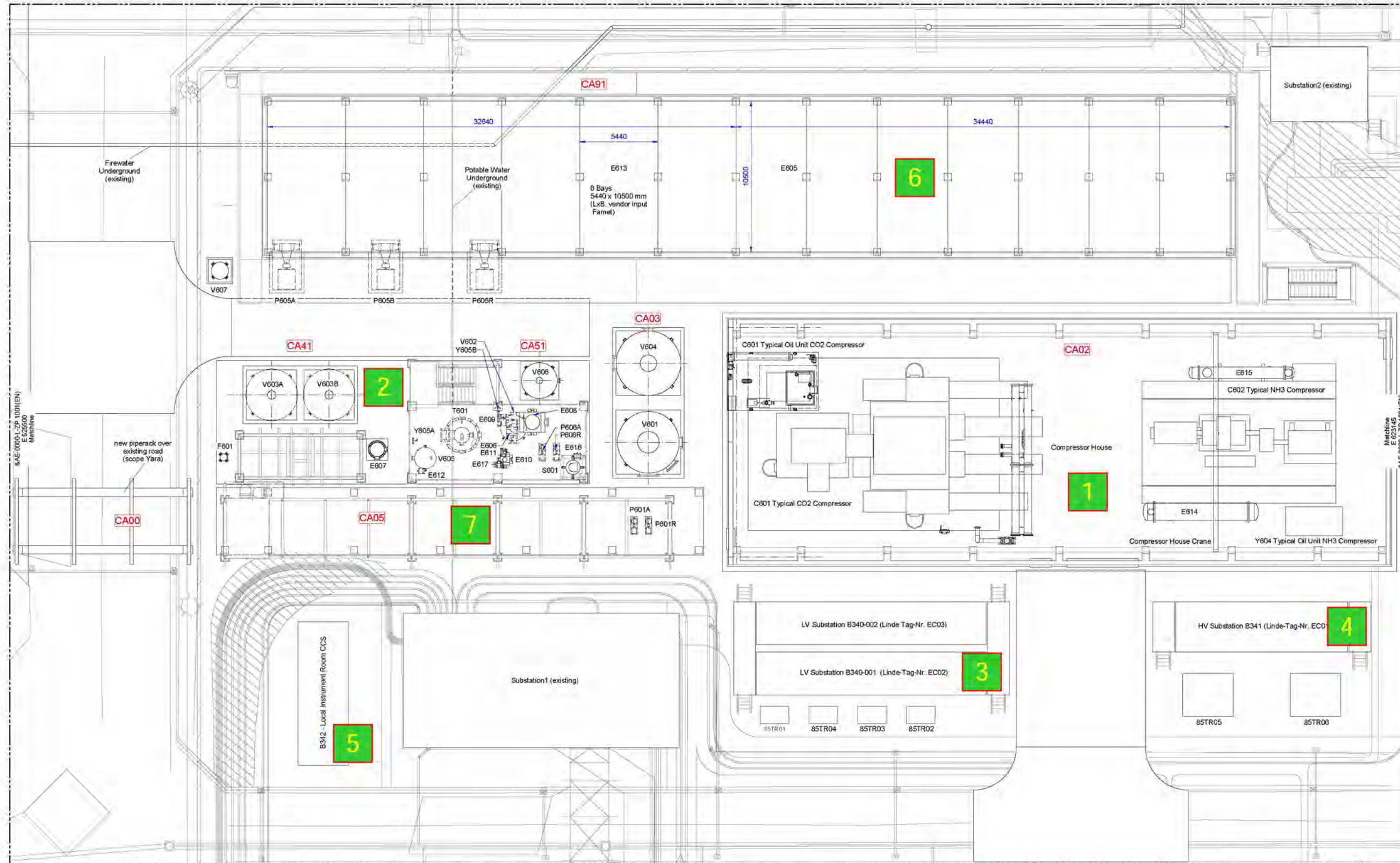
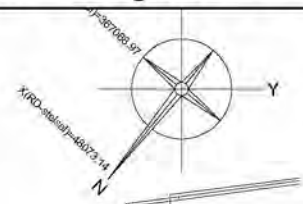


8AE-0000-L-ZP 1001(EN)
N 980000
Matchline



Construction Areas	
CA00	Area not in LEEDD scope
CA02	CO2 Compression / Refrigeration (Machine House)
CA03	Field Installation
CA05	Pipe Rack
CA41	Drying Unit
CA51	Rectification Unit
CA61	Tank Farm Unit
CA83	Ship Loading Unit
CA91	Cooling Water Unit

Equipments Process Area	
C601	CO2 Compressor Unit
C602	Refrigerant Compressor Unit
E602	Cooling Water Cooler (Air Cooler)
E606	CO2 Gas Pre-Cooler
E607	Refrigeration Gas Heater
E609	CO2 Liquefier
E609	CO2 Reboiler
E610	CO2 Condenser
E611	CO2 Subcooler
E612	Vert. Gas Heater
E613	Refrigerant Condenser (Air Cooler)
E614	Interstage Cooler
E615	Air Cooler
E617	Export CO2 Gas Heater
F601	Particle Filter
P601	Condensate Pump
P602	Cooling Water Pump
P603	Refrigerant Pump
S601	Vert. Gas Separator
T601	CO2 Column
VE01	Compressor Knock Out Drum
VE02	Water Separator
VE03	Driver
VE04	Suction Drum
VE05	Refrigerant Receiver
VE06	Refrigerant Economizer
VE07	Cooling Water Expansion Vessel
VE08	CO2 Ship Loading Station
VE09	Oil Unit
VE10	Air Purger

Notes:

- Reference Drawing 8AE-0000-L-ZP 1012(EN), 8AE-0000-L-ZP 1013(EN), 8AE-0000-L-ZP 1014(EN) Equipment Arrangement CO2 Liquefaction Side Views
- Air cooler size E613 according vendor offer (Famet)
- Size of compressor house currently defined by vendor compressor typicals (Siemens), to be finally defined after vendor selection

LEGENDA

1 Nummering bouwwerken in B01

NO	DATE	BY	CHKD	REVISED	APPROVED	REVISION
1.0	08.09.2022					

Carbon Capture Storage Plant, Sluiskil

Linde **US**

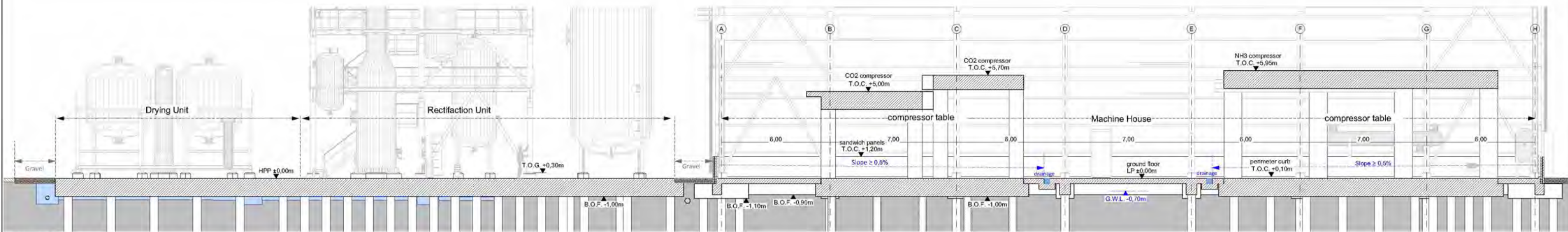
PROJECT NO: 37124018 DRAWING NO: 1011 UNIT PROJECT CODE: CA020

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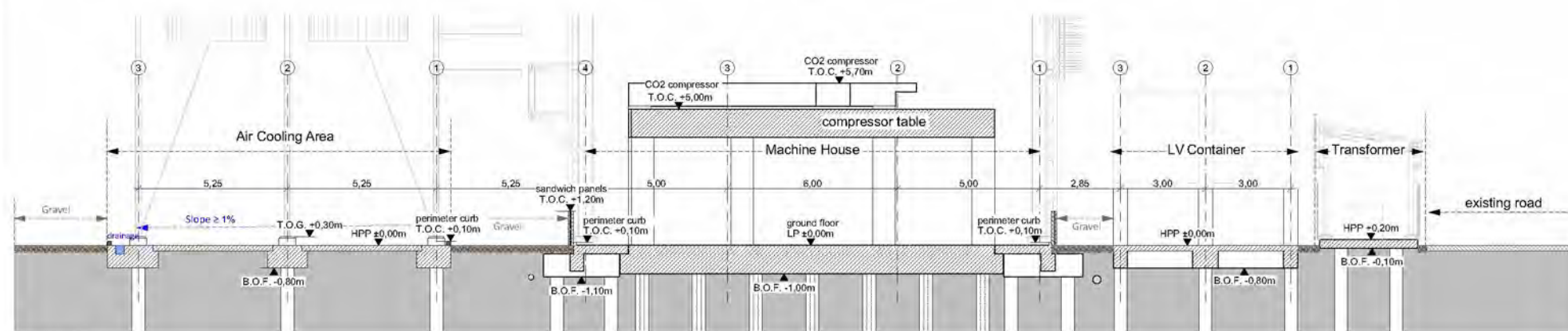
Equipment Arrangement Drawing
CO2 Liquefaction
Overview

SCALE: 1:100 SHEET NO: 8AE-0000-L-ZP 1011(EN) SHEET TOTAL: 1-8

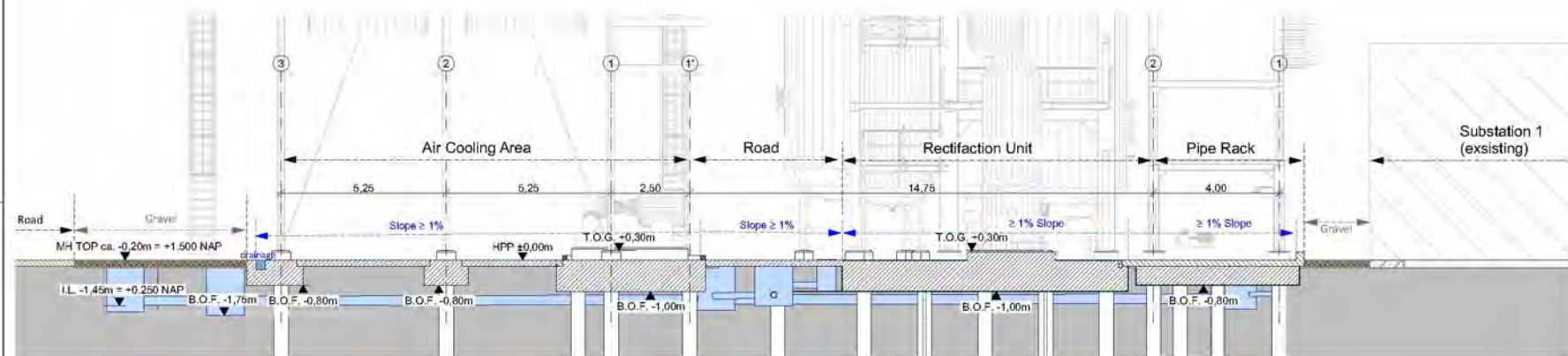




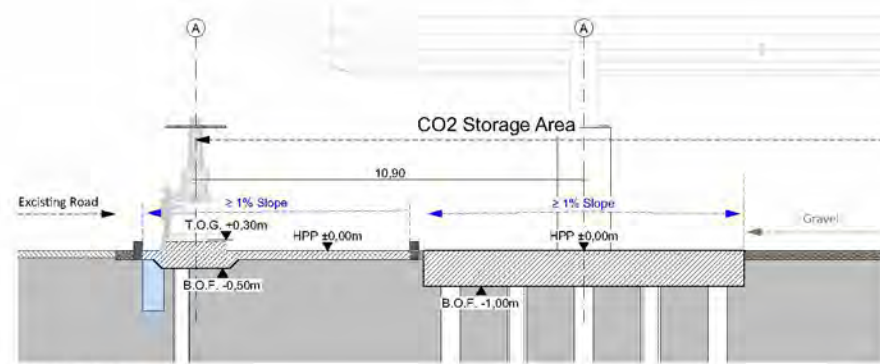
Section 1-1



Section 2-2



Section 3-3



Section 4-4

Legend

- HPP High Point Paving
- HPG High Point Gravel
- NAP Normal Amsterdam Pegel
- M-H Manhole
- T/B Top/ Bottom
- TOC Top of Concrete
- TOG Top of Grout
- BOS Bottom of Steel
- BOF Bottom of Foundation
- I.L. Invert Level
- N.C. Normally Closed
- Existing Road
- Existing Underground Facilities
- Existing Buildings
- Concrete Pavement
- Asphalt Road
- Walkway (Concrete Paver)
- Gravel
- Foundation Slab/ Beam
- Curb
- Concrete Pedestals (incl. Grouping)
- Precast Concrete Manhole
- Catch Basin
- Drainage Gutter
- Manhole
- Slope

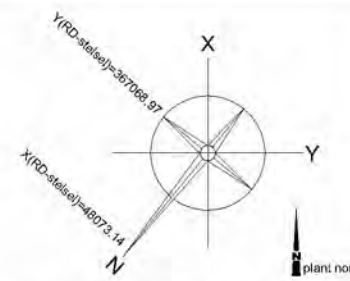
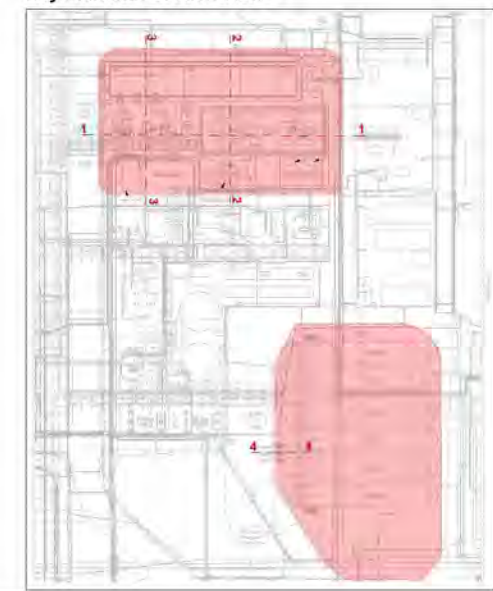


GWL Ground Water Level assumption:
 existing grade elevation is supposed to be between +1.40m and +1.50m NAP.
 Tei-In elevation (I.L.) is supposed to be equal or lower then +0.25 NAP

Reference Drawings

Doc. No.	Title
SAE 0000 L-ZP 1001 (EN)	Overall Plotplan

Key Plan with Section Views



Basic Level YARA = 1.700 + NAP = +/- 0.000 Plant Reference Level (H-H)
 Groundwater Level = 1.000 + NAP = -0.700 Plant Reference Level (H-H)

DATE	STATUS	DESIGN	REVISION	APPROVAL	DESCRIPTION
16/11/2022	512x	512x	51.1.2.e	51.1.2.e	Issued for Tender

PROJECT: Carbon Capture Storage Plant, Sluiskil

CLIENT: Linde

DESIGNER: SUEB

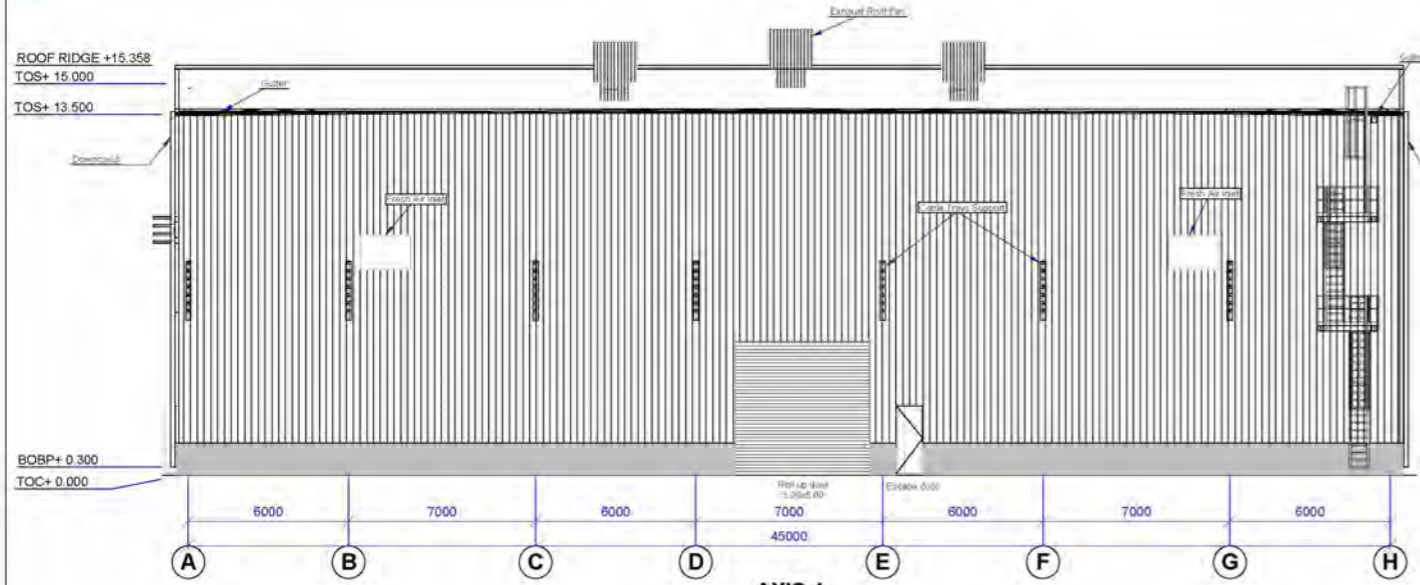
CONTRACT NO: 16471-190-0001

SECTION VIEWS - CO2 LIQUEFACTION & STORAGE

1. Compressorgebouw

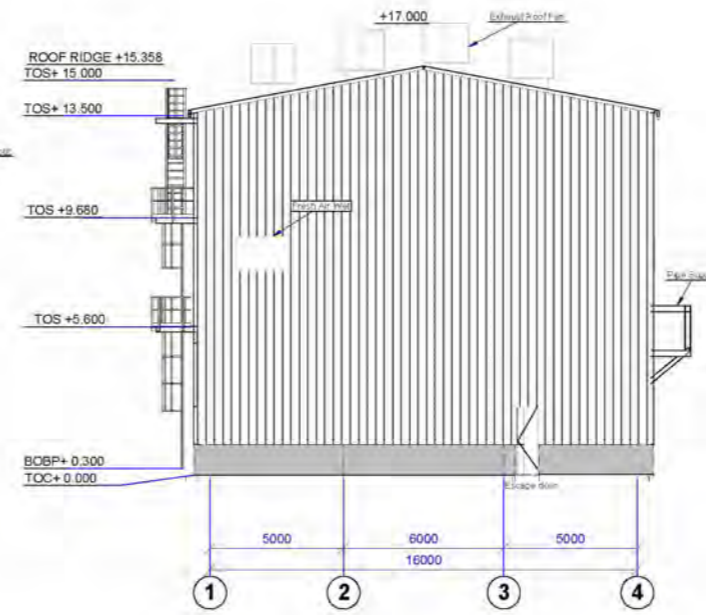
AXIS 1

Looking North
SCALE: 1:100 mm



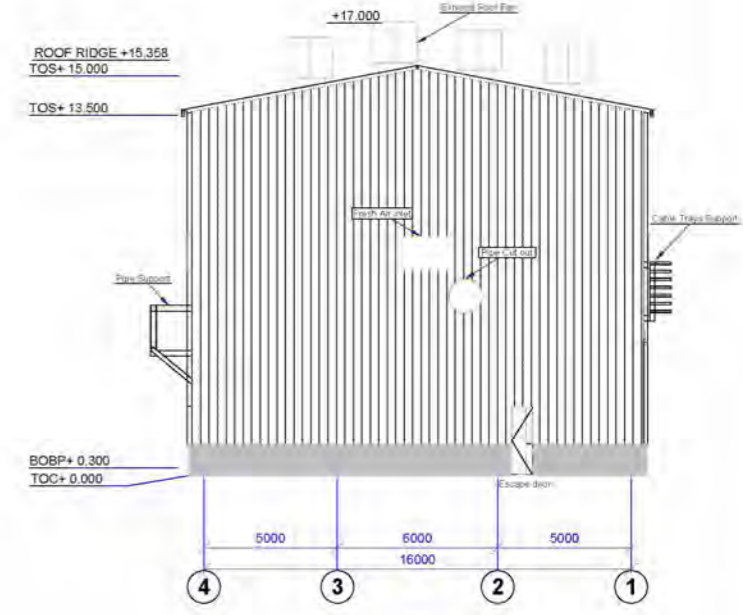
ROW H

Looking West
SCALE: 1:100 mm



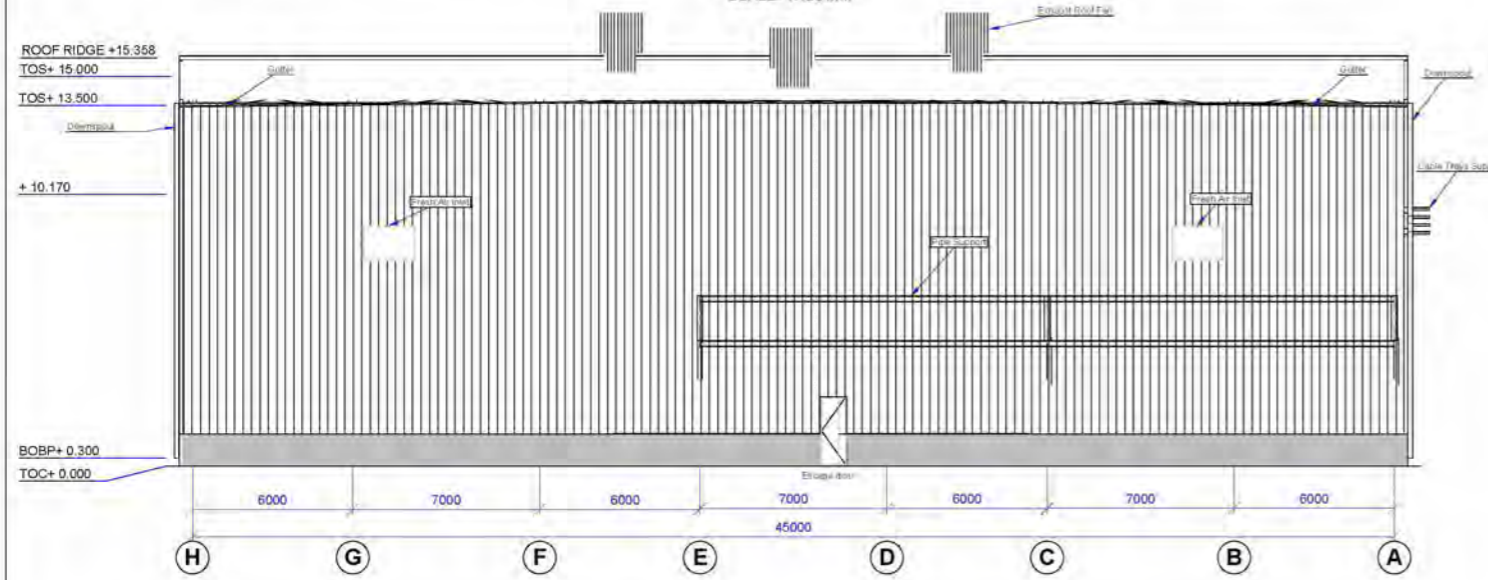
ROW A

Looking East
SCALE: 1:100 mm



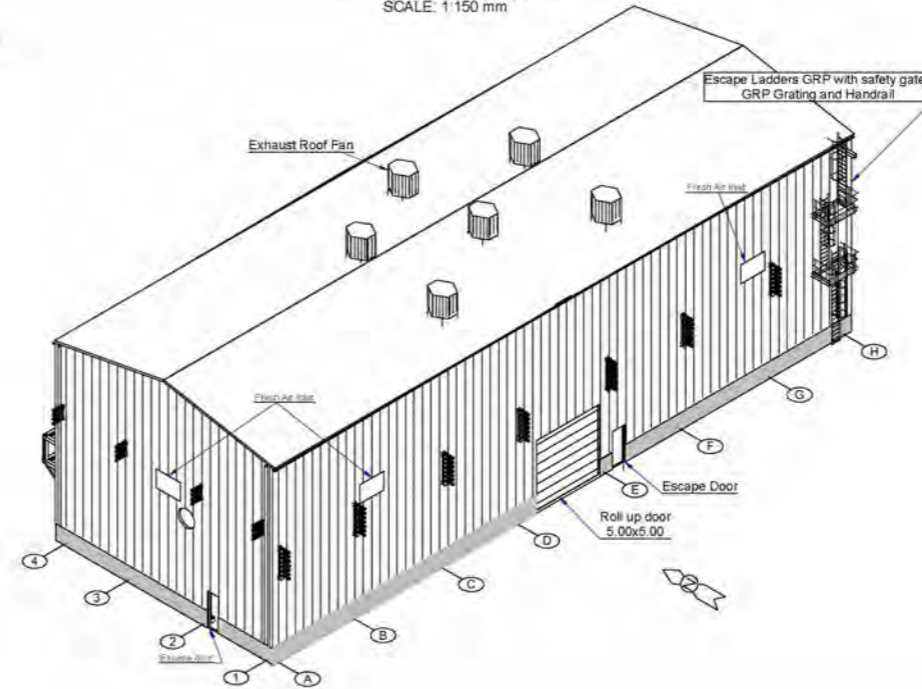
AXIS 4

Looking South
SCALE: 1:100 mm



ISOMETRIC VIEW

Looking Northeast (Down)
SCALE: 1:150 mm



ROOF VIEW

Looking Plan
SCALE: 1:100 mm



- Remarks:
- All dimensions are in mm, levels & co-ordinates are in meter.
 - All elevations are top of steel unless noted otherwise.
 - This is a feed document, and no construction shall be made based on this drawing.
 - All layout, coordinates and dimensions are indicative and shall be confirmed during detail engineering.
 - Railing height is 1200 mm in floors and staircase above 13 m above grad.
 - Structure type: corrosion protected metal building, framing system with braces in longitudinal sides.
 - Foundation: supported by reinforced concrete pile caps supported on piles.
 - Wall cladding: insulated sandwich panels with noise protection ~ 33 dB and U value < 0,24 W/m²K.
 - Roof cladding: insulated sandwich panels with noise protection ~ 33 dB and U value < 0,24 W/m²K.
 - De-watering: Gutter and downspouts made of stainless steel, downspouts are connected to sewer system.
 - Ventilation system: Mechanical forced system for providing of required air exchange rate and for compensation of heat emission.
 - Fall prevention on roof: Cable-based system with fall arrest systems Type C (EN 795).
 - Doors: insulated metal doors (~ 33 dB).
 - Gate: electrical roll-up gate (27 dB).

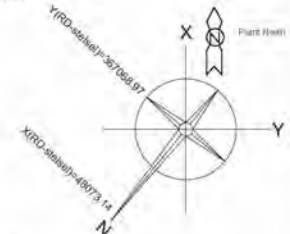
Abbreviations:
TOS Top of Steel
BOBP Bottom of Base Plate
TOC Top of Concrete

References:
&AE 0000 N-SP 1001 (EN) Steel Structure and Civil Design Basis & General Description
YARA No 16471-Y85-00001

0542FA5480 2001 N-CS 1001 (EN) Statical Pre-Calculation for Machine House
YARA No 16471-Y16-00003

&AE 2001 N-ZC 1002 (EN) General Layout Drawings-Machine House
SG 0201 Elevation and Section Views
YARA No 16471-Y58-00005

&AE 2001-C-ZA 1001 (EN) General Arrangement Drawing - Foundations
Piling - CO2 Liquefaction
YARA No 16471-Y56-00007



+0,000 = 1.700 m N.A.P.

NO.	DATE	BY	CHECKED	APPROVED	REVISION
1	15.11.23

Carbon Capture Storage Plant, Sluiskil

Linde

PROJECT NO: 375485

CLIENT: YARA

PROJECT: CO₂ LIQUEFACTION

SCALE: 1:100

DATE: 15.11.23

BY: ...

CHECKED: ...

APPROVED: ...

GENERAL LAYOUT DRAWINGS
MACHINE HOUSE SG 0201
Facade Views

SCALE: 1:100

DATE: 15.11.23

BY: ...

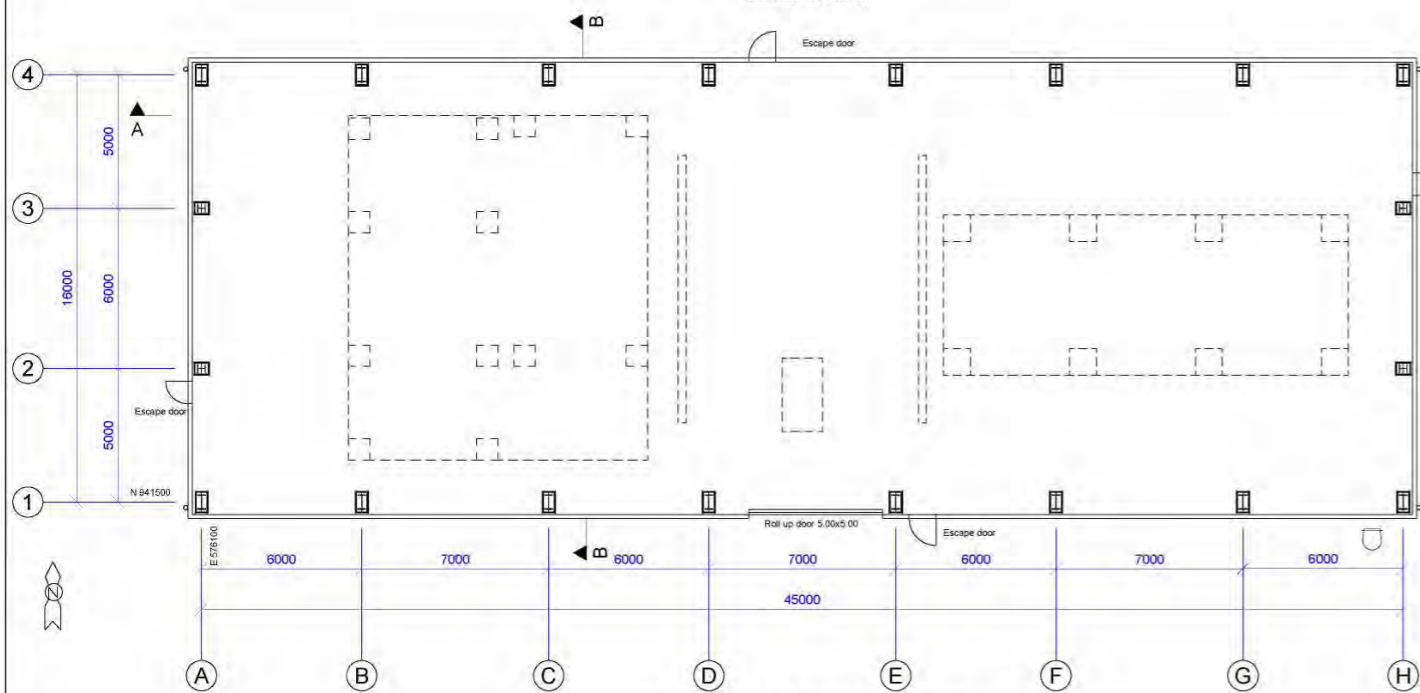
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APPROVED: ...

PROJECT NO: 16471-Y58-00005

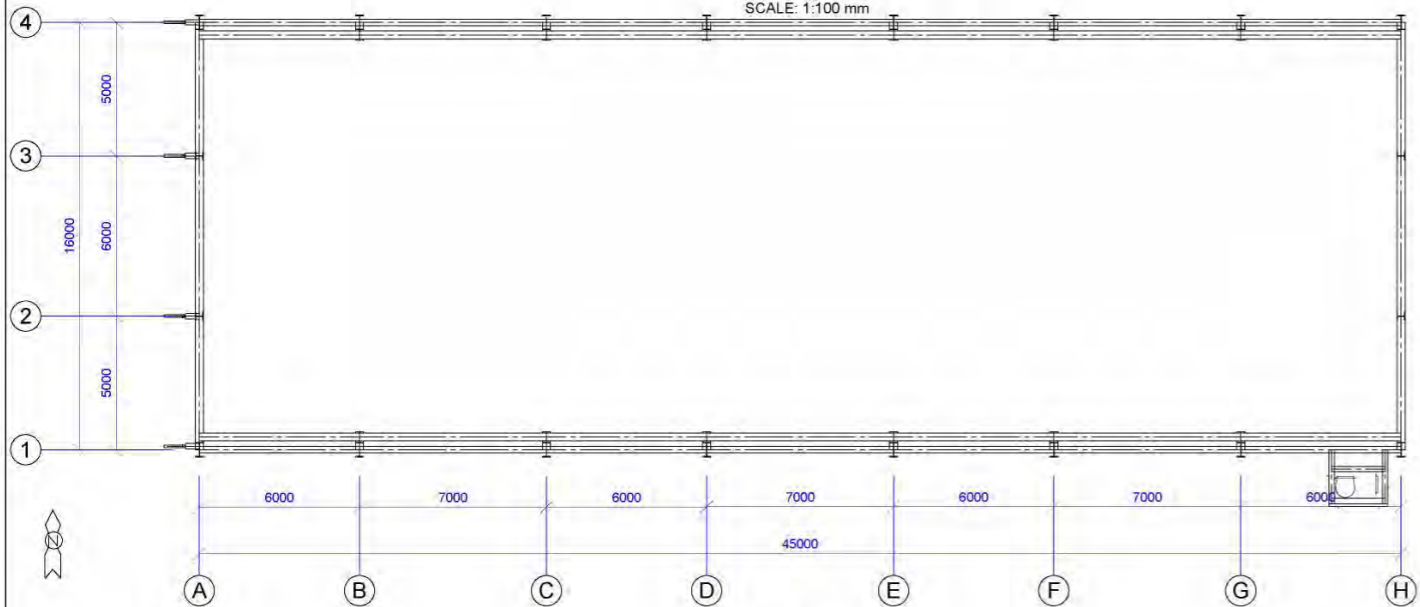
BASEPLATE OVERVIEW

Looking Plan
SCALE: 1:100 mm



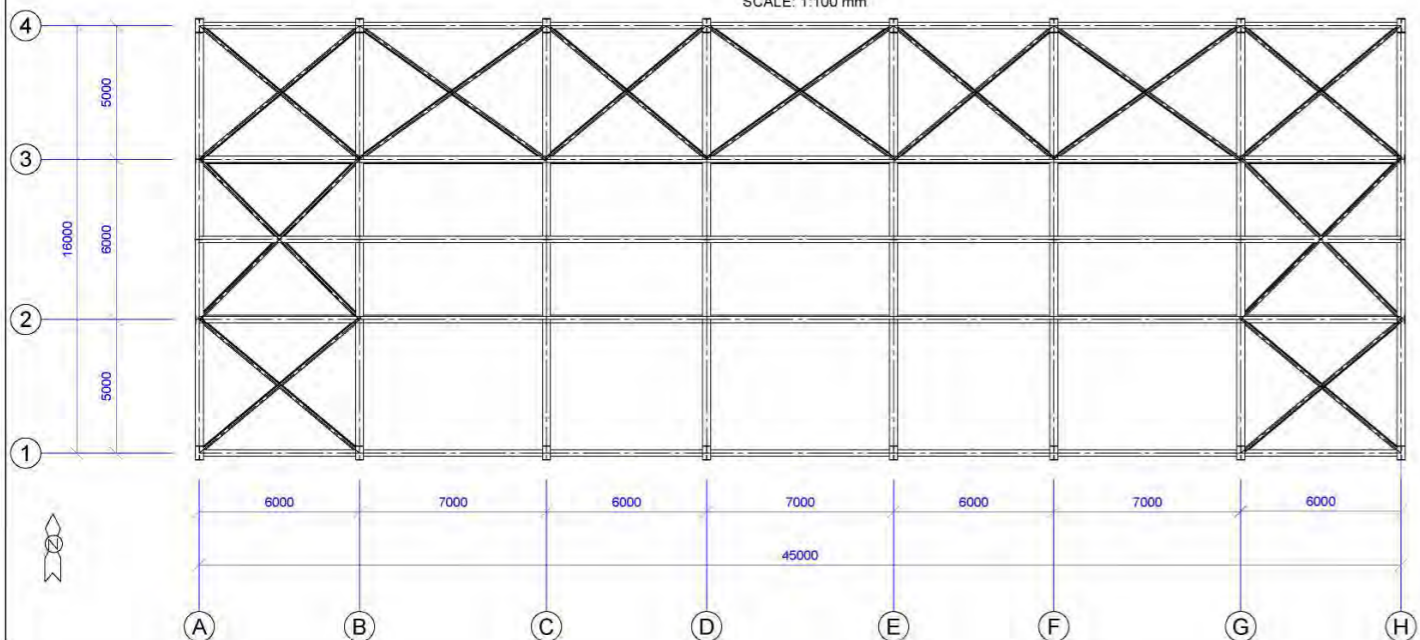
TOS OVERHEAD CRANE LEVEL

Looking Plan
SCALE: 1:100 mm



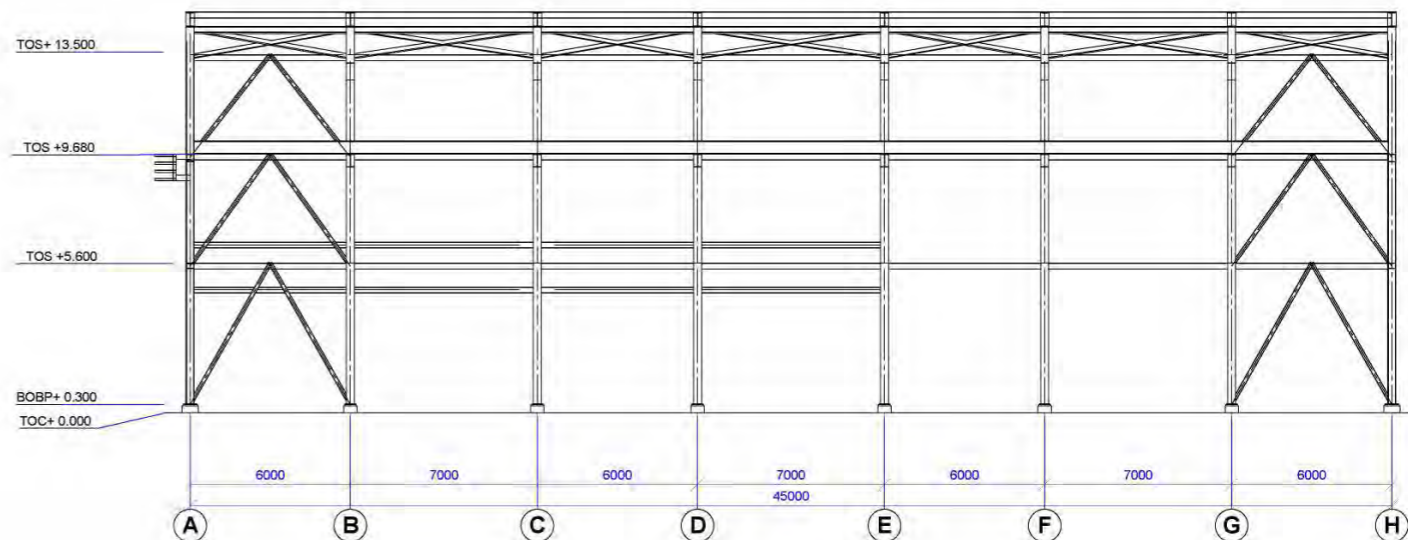
ROOF VIEW

Looking Plan
SCALE: 1:100 mm



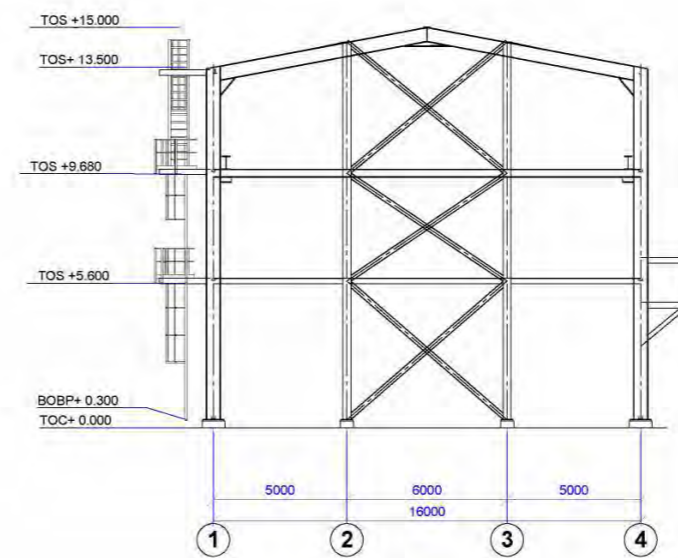
SECTION A-A

Looking North
SCALE: 1:100 mm



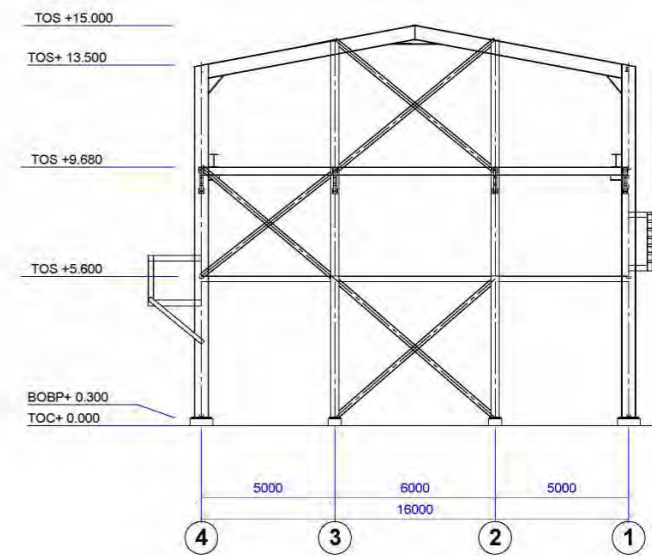
ROW H

Looking West
SCALE: 1:100 mm



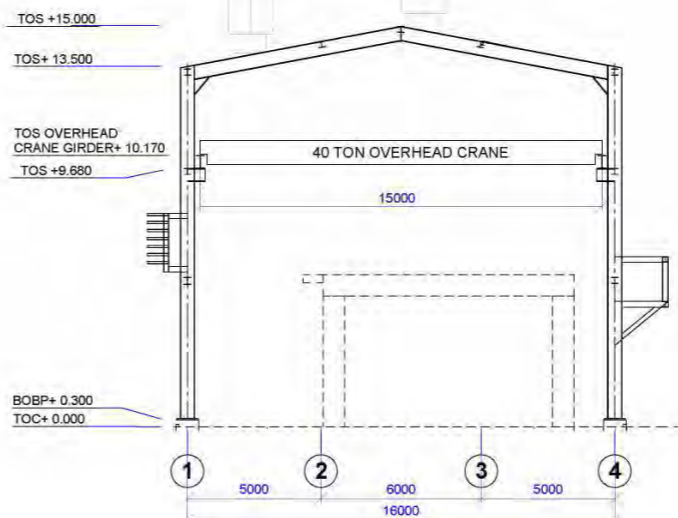
ROW A

Looking East
SCALE: 1:100 mm



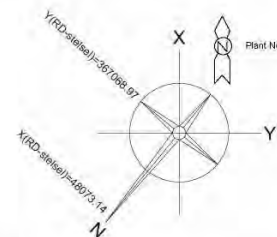
SECTION B-B

Looking West
SCALE: 1:100 mm



Remarks:

- 1-For general remarks, abbreviations and references, refer to drawing No &AE 2001 N-ZC 1001 (EN)
- 2-Main steel shown without cladding supporting elements



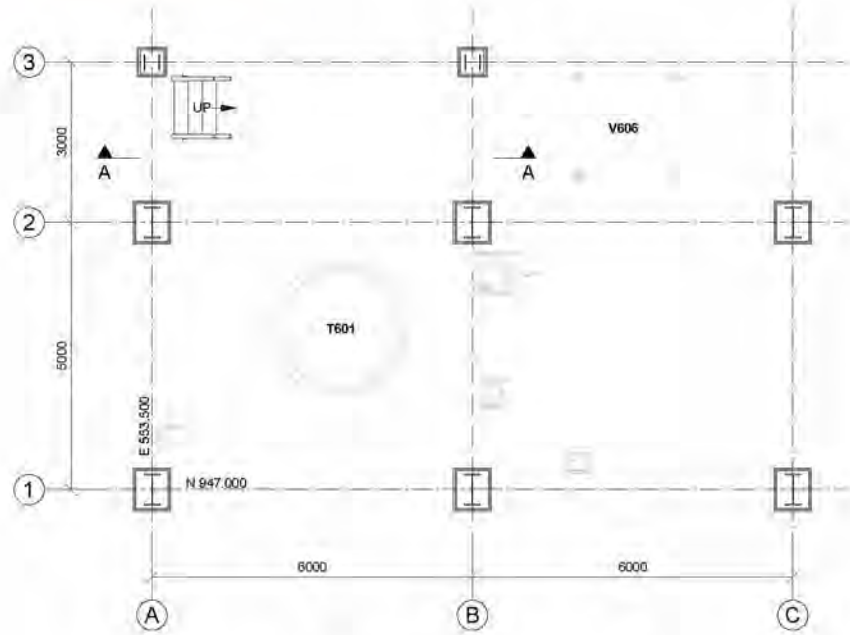
+/- 0.000 = 1.700 m N.A.P.

1.0 18.11.2022		Issued for FEED	
DATE	BY	STATUS	DESCRIPTION
Carbon Capture Storage Plant, Sluiskil			
CLIENT PROJECT NO.	3710478	CLIENT PROJECT CODE	34471
CLIENT PROJECT CODE	34471	CLIENT PROJECT CODE	CACTUS
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TITLE: GENERAL LAYOUT DRAWINGS MACHINE HOUSE SG 0201 Elevation and Section Views			
SCALE	DATE	PROJECT NO.	PROJECT CODE
1:100	18.11.2022	&AE 2001 N-ZC 1001 (EN)	34471
SCALE	DATE	PROJECT NO.	PROJECT CODE
1:100	18.11.2022	18471-Y58-00005	34471

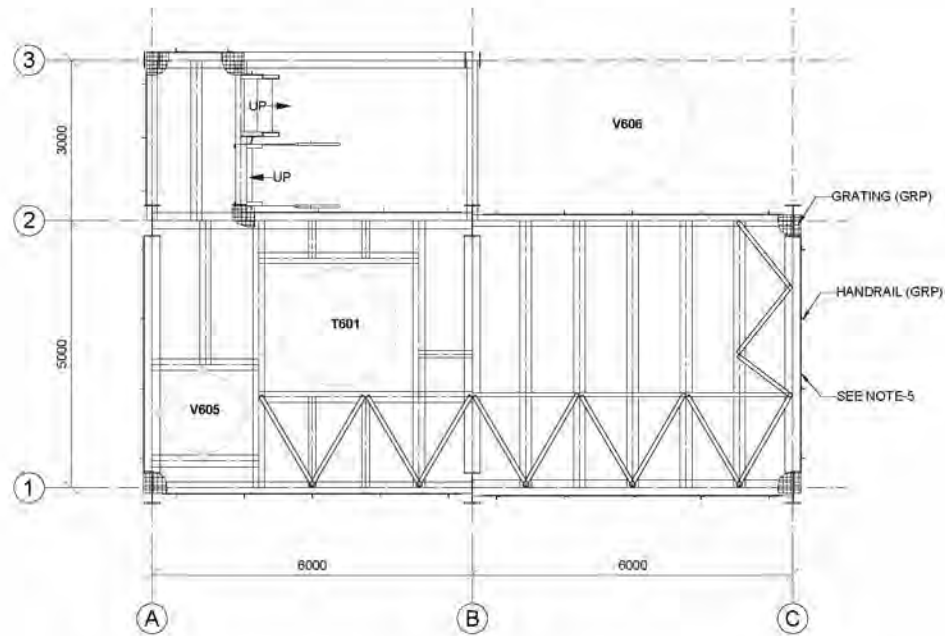
2. CO₂ Liquifaction

PLAN AT EL+0.300 BOBP

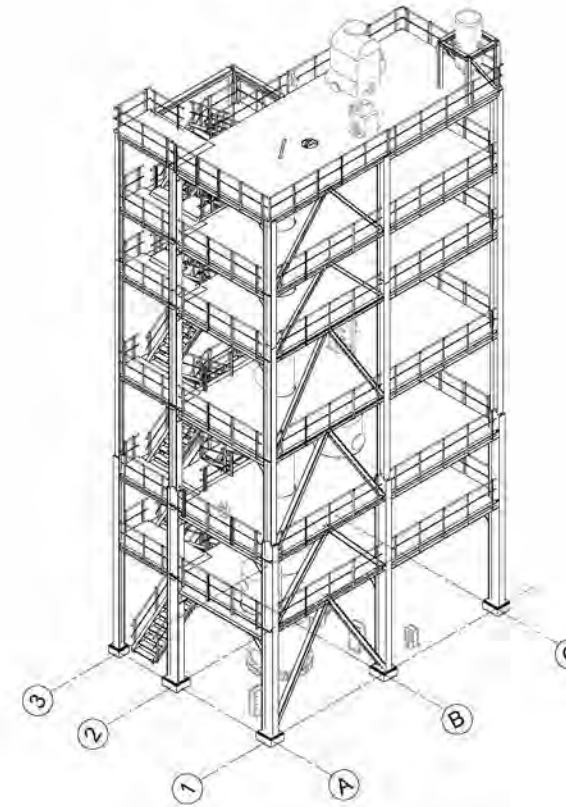
FOR SECTION A-A REFER DWG. NO. &AE 2001 N-ZB 1003 (EN)



PLAN AT EL+5.000 TOS



ISOMETRIC VIEW



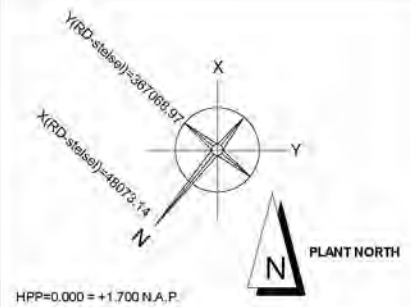
- NOTES:**
1. ALL DIMENSIONS ARE IN MM, LEVELS & CO-ORDINATES ARE IN METER.
 2. ALL ELEVATIONS ARE TOP OF STEEL UNLESS NOTED OTHERWISE.
 3. THIS IS A FEED DOCUMENT AND NO CONSTRUCTION SHALL BE MADE BASED ON THIS DRAWING.
 4. ALL LAYOUT, CO-ORDINATES AND DIMENSIONS ARE INDICATIVE AND SHALL BE CONFIRMED DURING DETAIL ENGINEERING.
 5. SECOND ESCAPE WAY VIA LADDER (GRP) WITH SAFETY GATE IS FORESEEN NEXT TO ROW C. POSITION WILL BE DEFINED IN DETAIL ENGINEERING.

REFERENCES

LINDE DOC. NO./ OWNER DOC. NO.	TITLE
&AE 2001 N-ZB 1002 (EN) / 16471-Y56-00013	STEEL STRUCTURE LAYOUT DRAWING STRUCTURE SK5101 LEVEL VIEWS PART-2
&AE 2001 N-ZB 1003 (EN) / 16471-Y56-00014	STEEL STRUCTURE LAYOUT DRAWING STRUCTURE SK5101 ELEVATIONS
0542FA4650 2001 N-CS 1002 (EN) / 16471-Y16-00008	STRUCTURAL PRE-CALCULATION FOR EQUIPMENT STRUCTURE SK 5101
&AE 2001 C-ZA 1001 (EN) / 16471-Y56-00007	GENERAL ARRANGEMENT DRAWING FOUNDATION / PILING CO2 LIQUIFICATION
&AE 0000 N-SP 1001 (EN) / 16471-Y85-00001	STEEL STRUCTURE AND CIVIL DESIGN BASIS & GENERAL DESCRIPTION

LEGENDS

- TOS TOP OF STEEL
- BOBP BOTTOM OF BASE PLATE
- HPP HIGH PAVING POINT
- N.A.P. NORMAAL AMSTERDAMS PEIL
- MOMENT CONNECTION



T.S.	DATE	BY	CHKD	APPD	CRD/DRW/EC

Carbon Capture Storage Plant, Sluiskil

OWNER PROJECT NO.: 3712425
 CLIENT PROJECT NO.: 13971
 DRAWING NO.: 16471-Y56-00013
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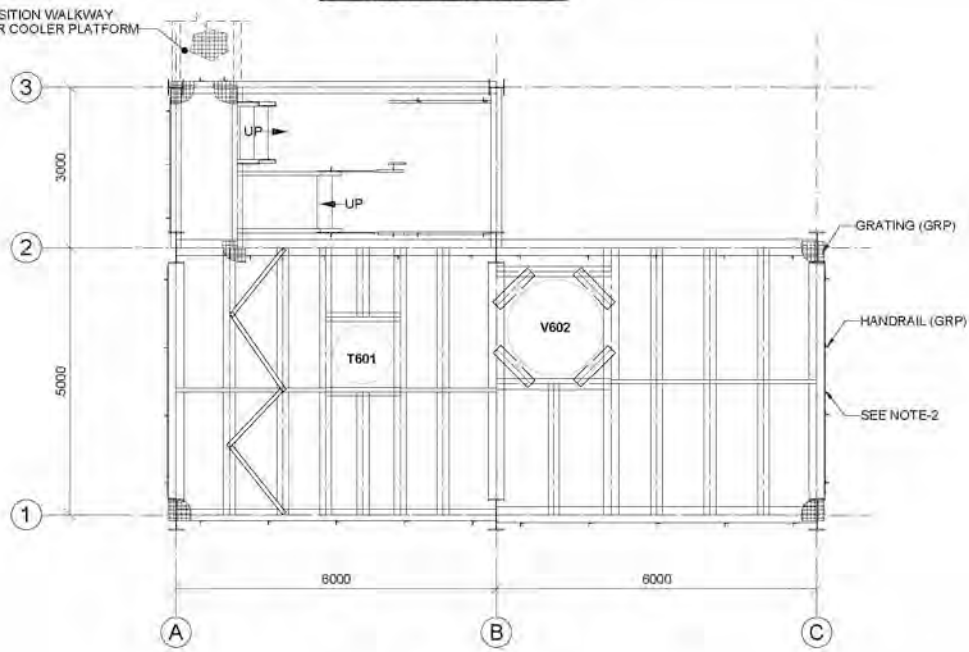
NO.	REVISION	DATE	BY	CHKD	APPD	CRD/DRW/EC
001	ISSUE FOR CONSTRUCTION					

STEEL STRUCTURE LAYOUT DRAWING
 STRUCTURE SK5101
 ISOMETRIC VIEW & LEVEL VIEWS PART-1

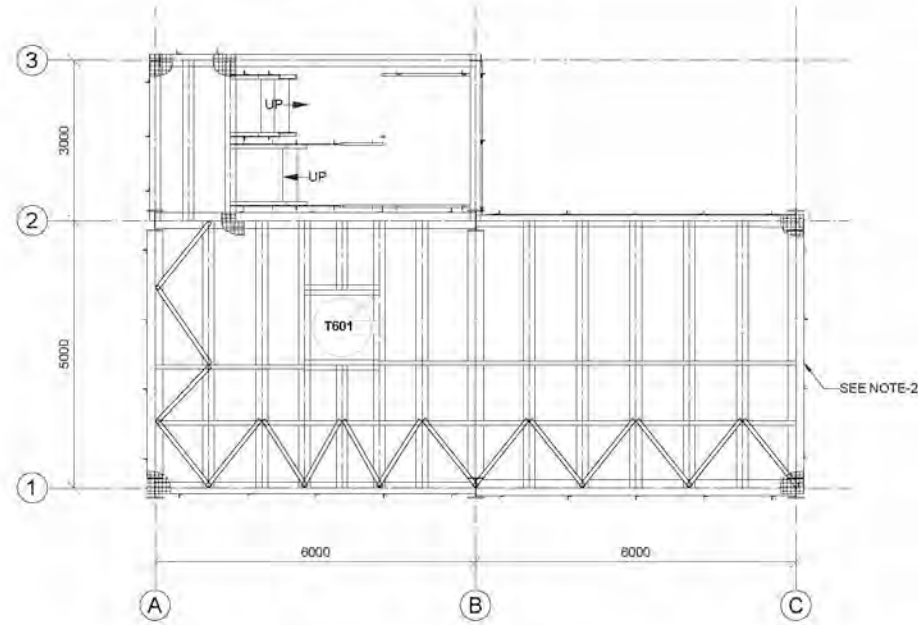




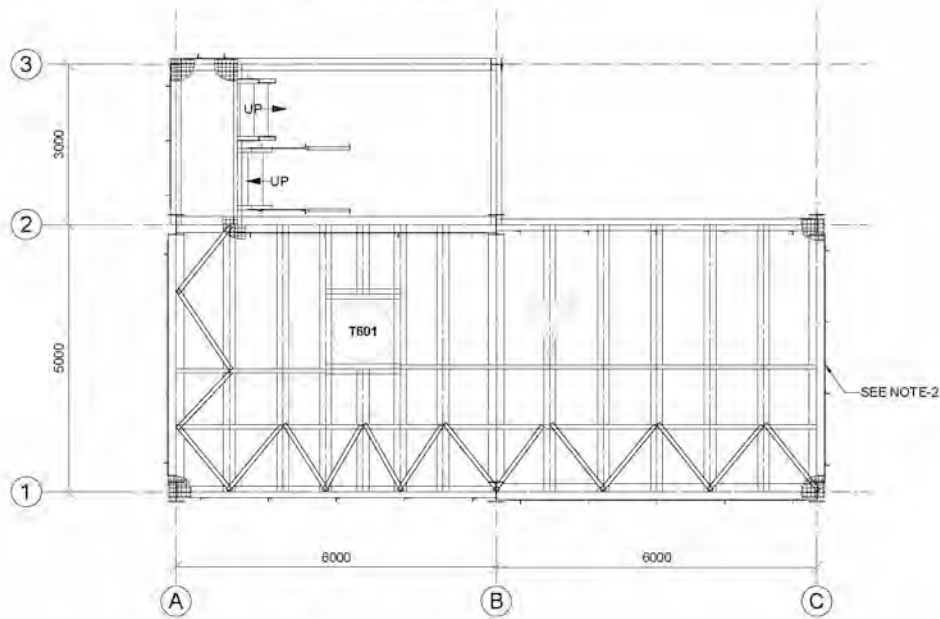
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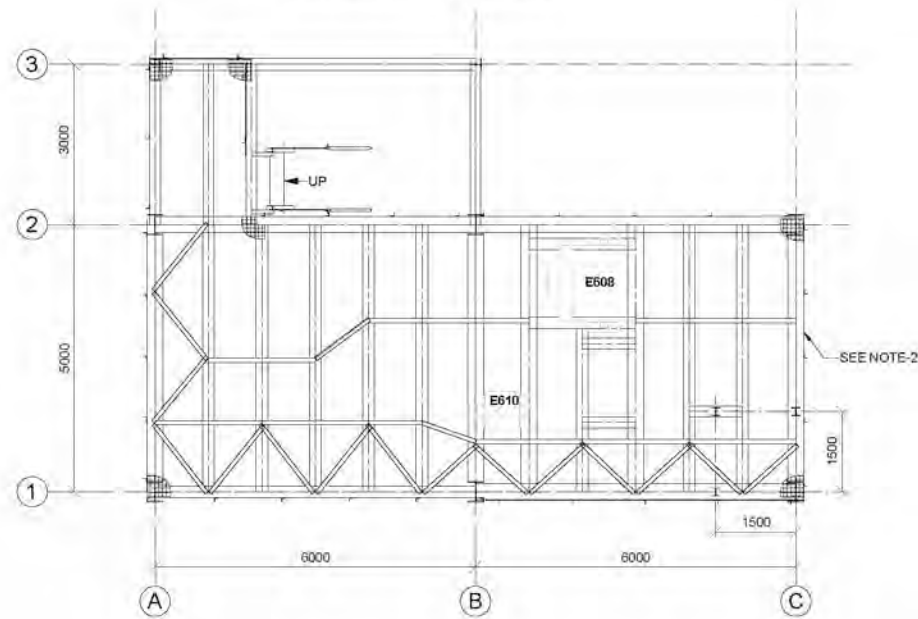
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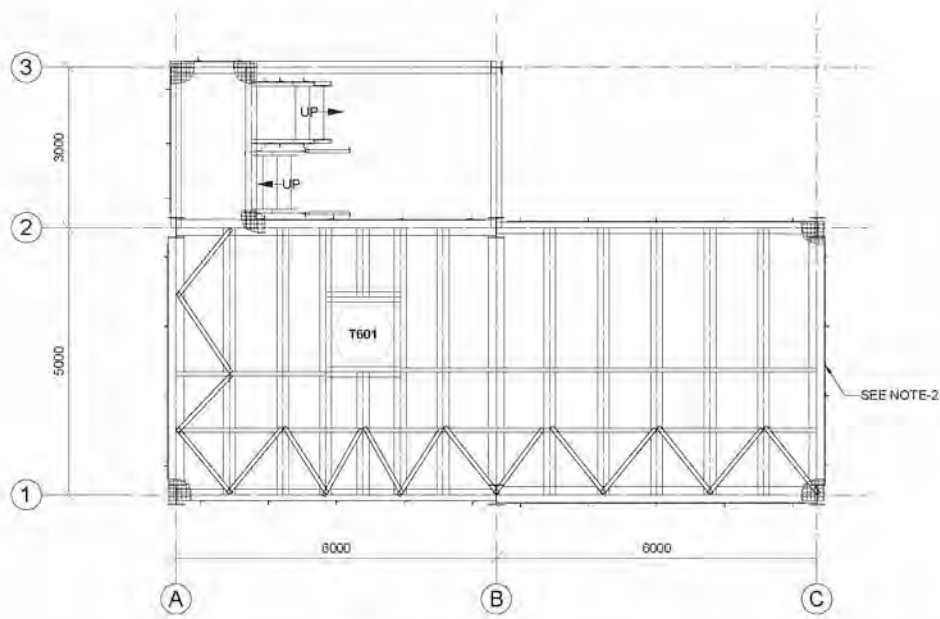
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PLAN AT EL+23.800 TOS

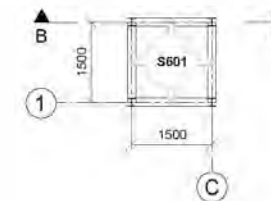


PLAN AT EL+17.400 TOS

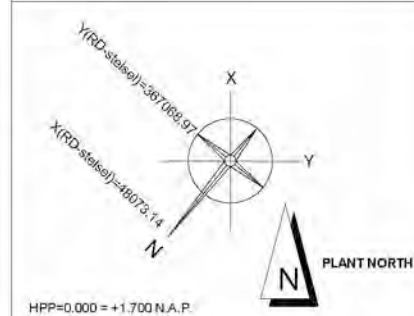


PLAN AT EL+26.000 TOS

FOR SECTION B-B REFER DWG. NO. SAE 2001 N-ZB 1003 (EN)



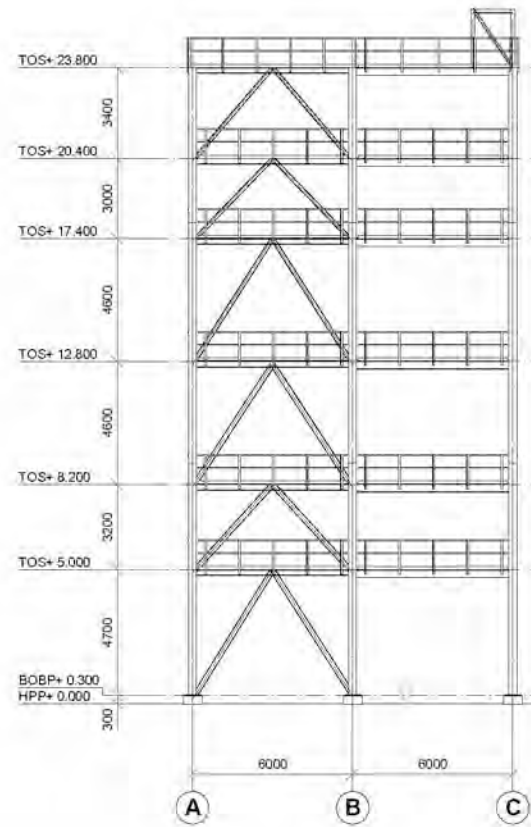
- NOTES:**
- FOR GENERAL NOTES, LEGENDS AND REFERENCE DRAWINGS REFER DRAWING NO. SAE 2001 N-ZB 1001 (EN)
 - SECOND ESCAPE WAY VIA LADDER (GRP) WITH SAFETY GATE IS FORESEEN NEXT TO ROW C. POSITION WILL BE DEFINED IN DETAIL ENGINEERING.



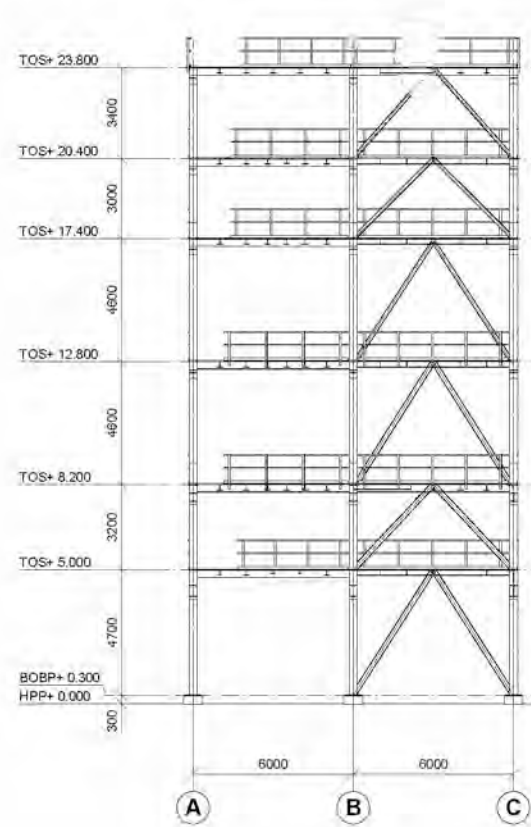
Carbon Capture Storage Plant, Sluiskil	
Linde	
DATE: 27/03/2018	SCALE: 1:50
STEEL STRUCTURE LAYOUT DRAWING STRUCTURE SK5101 LEVEL VIEWS PART-2	
SCALE: 1:50	DATE: 27/03/2018



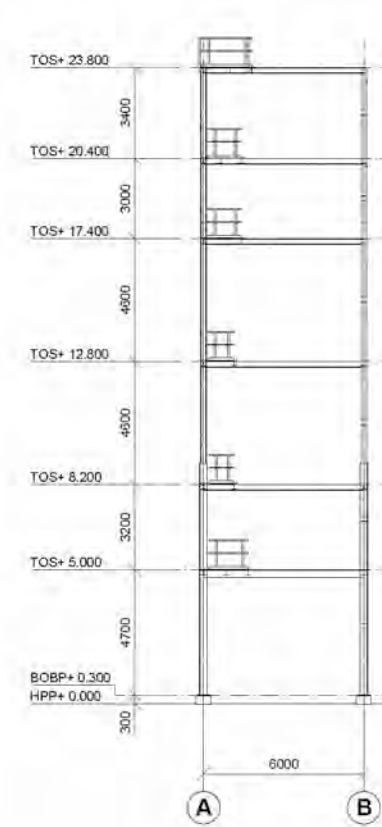
AXIS 1



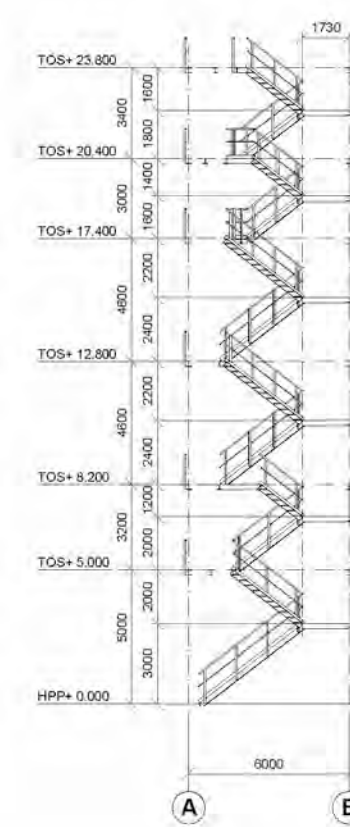
AXIS 2



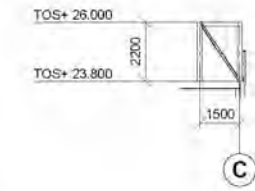
AXIS 3



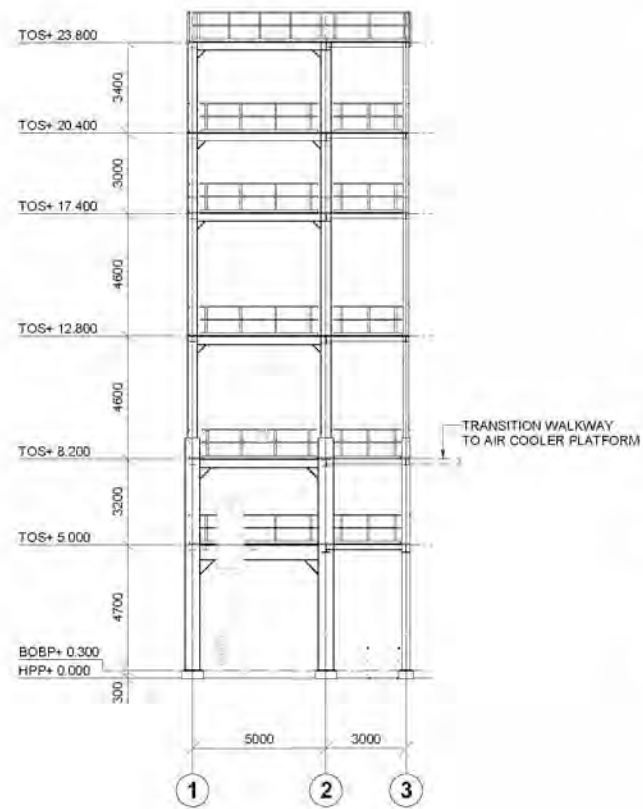
SECTION A-A



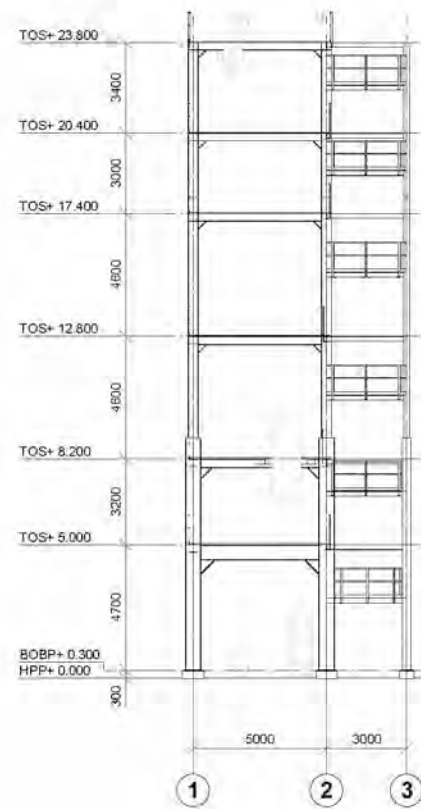
SECTION B-B



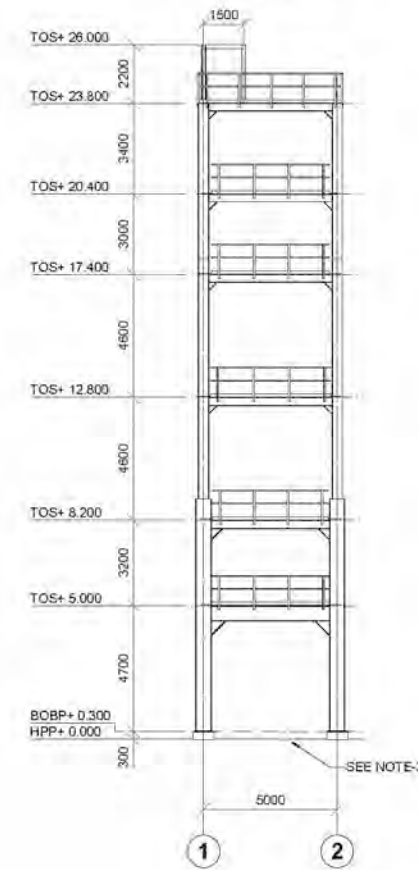
ROW A



ROW B



ROW C



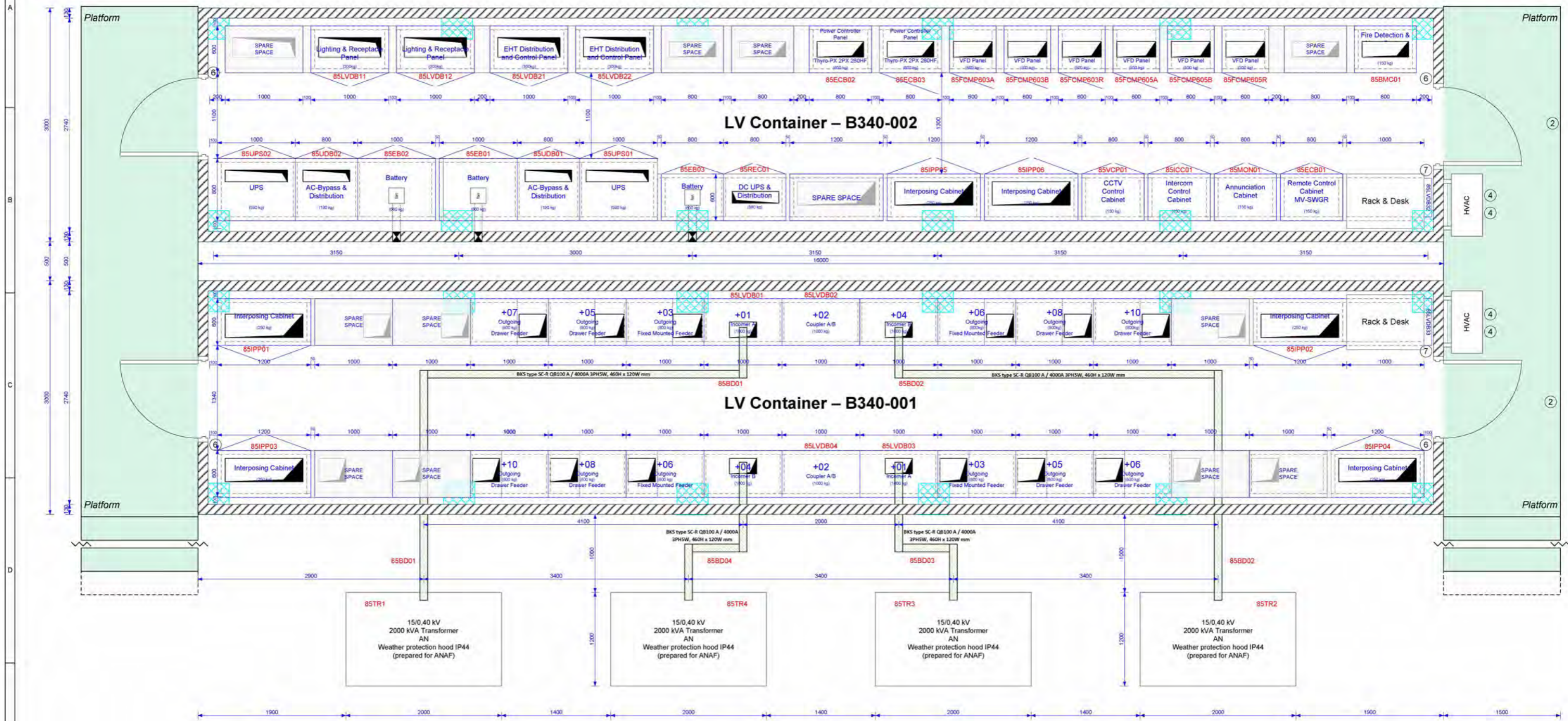
- NOTES:**
- FOR GENERAL NOTES, LEGENDS AND REFERENCE DRAWINGS REFER DRAWING NO. &AE 2001 N-ZB 1001 (EV).
 - RAILING HEIGHT IS 1.2 m IN FLOORS AND STAIR CASE ABOVE 13 m FROM GRADE
 - SECOND ESCAPE WAY VIA LADDER (GRP) WITH SAFETY GATE IS FORESEEN NEXT TO ROW C, POSITION WILL BE DEFINED IN DETAIL ENGINEERING.

HPP=0.000 = +1 700 N.A.P

Carbon Capture Storage Plant, Sluiskil	
Linde	
DATE: 27/04/2015	SCALE: 1:100
DESIGNER: [Signature]	CHECKER: [Signature]
STEEL STRUCTURE LAYOUT DRAWING STRUCTURE SK5101 ELEVATIONS	
SCALE: 1:100	DATE: 27/04/2015



3. LV understations



For container details see vendor drawings, for guard rail details see steel structure drawings.

- Legend:**
- grounding connection to external grounding grid
 - socket 230V / light switch
 - lighting fixture 1x36W
 - lighting fixture 2x36W
 - emergency lighting fixture 2x36W battery buffered
 - emergency exit light battery buffered
 - telephone socket
 - floor opening / wall opening
 - Basement Channel / Baseframe Construction
- Notes:**
- 1 floor shall be perforated for natural ventilation of transformer (if applicable)
 - 2 handrail shall be removable and one side shall be forklift accessible
 - 3 door opening depends on forklift accessibility
 - 4 HVAC units shall be redundant and removable for transportation (if necessary)
 - 5 Protection Cover for „Cable Cellar“
 - 6 Wall mounted Fire Extinguisher
 - 7 Emergency hand lamp, battery buffered with wall holder

2.0	16.09.2022	IFU	ENE				Issued for use
1.0	15.10.2021	IFU	ENE				Issued for use
ISSUE	DATE	STATUS	DIVISION	ORIGINATOR	REVIEWED	APPROVED	DESCRIPTION

PLANT DESCRIPTION
Carbon Capture Storage Plant, Sluiskil

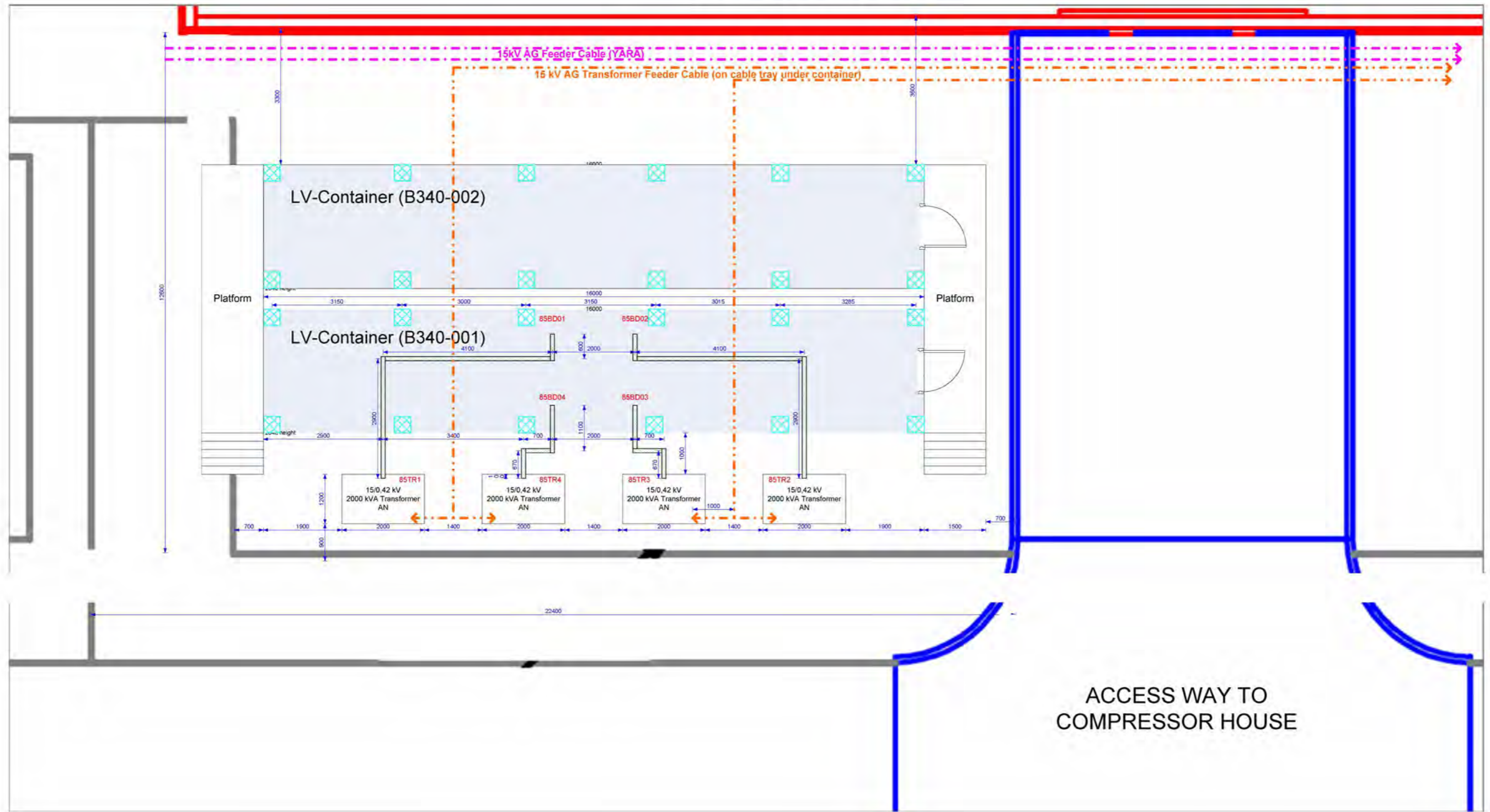
LINDE PROJECT NO. 3710 A3T8	CLIENT PROJECT NO. 16471
LINDE PROJECT CODE Sluiskil	CLIENT PROJECT CODE CACTUS

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TITLE
**General Layout Plan Containerized Substation
LV Container B340-001 & B340-002**

SCALE 1:25	SIZE A1	FILE NAME E:\AE\0000-E-ZA-4EM\0701\0701.rvt	DOC. NO. LINDE: &AE-0000-E-ZA 4EM.0701 (EN) CLIENT: 16471-E58-00001	SHEET SHEETS 2 OF 3
----------------------	-------------------	--	---	-------------------------------

COMPRESSOR HOUSE



ACCESS WAY TO
COMPRESSOR HOUSE

For container details see vendor drawings, for guard rail details see steel structure drawings.

- Legend:**
- grounding connection to external grounding grid
 - socket 230V / light switch
 - lighting fixture 1x36W
 - lighting fixture 2x36W
 - emergency lighting fixture 2x36W battery buffered
 - emergency exit light battery buffered
 - telephone socket
 - floor opening / wall opening
 - Basement Channel / Baseframe Construction

- Notes:**
- 1 floor shall be perforated for natural ventilation of transformer (if applicable)
 - 2 handrail shall be removeable and one side shall be forklift accessible
 - 3 door opening depends on forklift accessibility
 - 4 HVAC units shall be redundant and removeable for transportation (if necessary)
 - 5 Protection Cover for „Cable Cellar“
 - 6 Wall mounted Fire Extinguisher
 - 7 Emergency hand lamp, battery buffered with wall holder

2.0	16.09.2022	IFU	ENE				Issued for use
1.0	15.10.2021	IFU	ENE				Issued for use
ISSUE	DATE	STATUS	DIVISION	ORIGINATOR	REVIEWED	APPROVED	DESCRIPTION

PLANT DESCRIPTION
Carbon Capture Storage Plant, Sluiskil



LINDE PROJECT NO. 3710 A3T8	A1/1:50	CLIENT PROJECT NO. 16471
LINDE PROJECT CODE Sluiskil		CLIENT PROJECT CODE CACTUS

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TITLE
**General Layout Plan Containerized Substation
Overall Allocation LV-Containerized Substation**

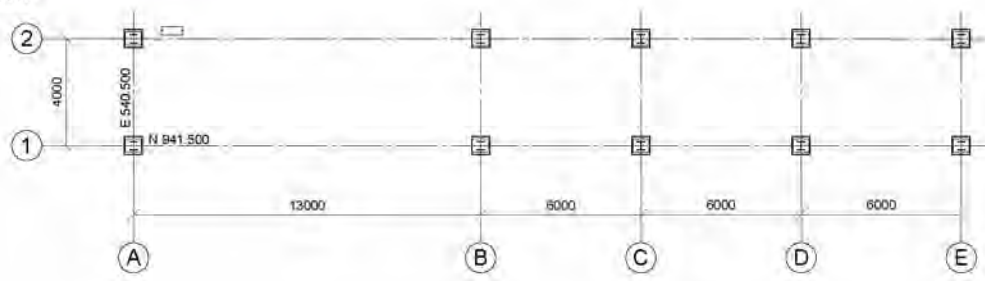
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			CLIENT: 16471-E58-00001	REV. 01	

6. Luchtkoelers

7. Piperacks

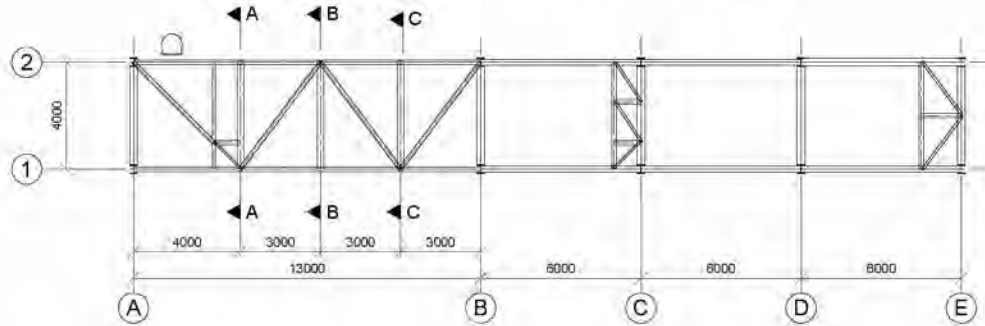


PLAN AT EL+0.300 BOBP

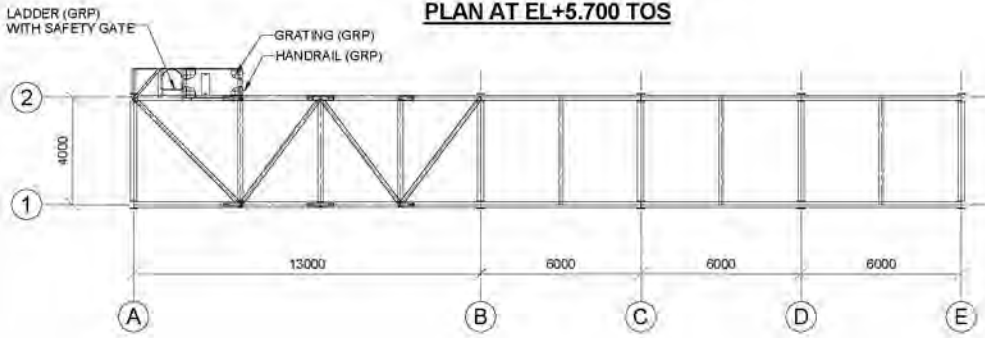


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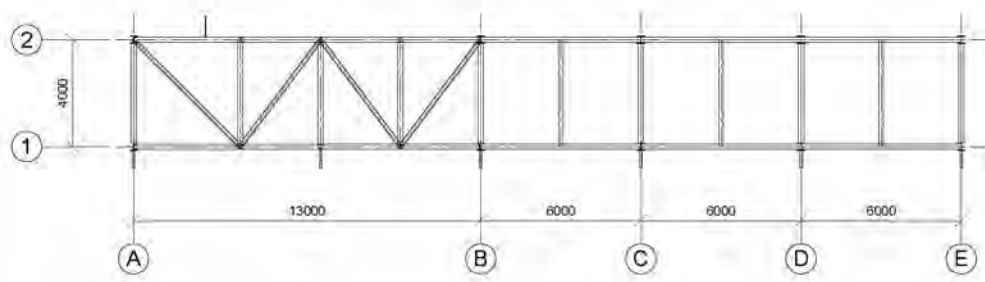
FOR SECTION A-A, B-B & C-C REFER DWG NO. SAE 2001 N-ZD 1002 (EN)



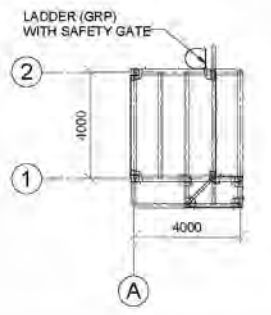
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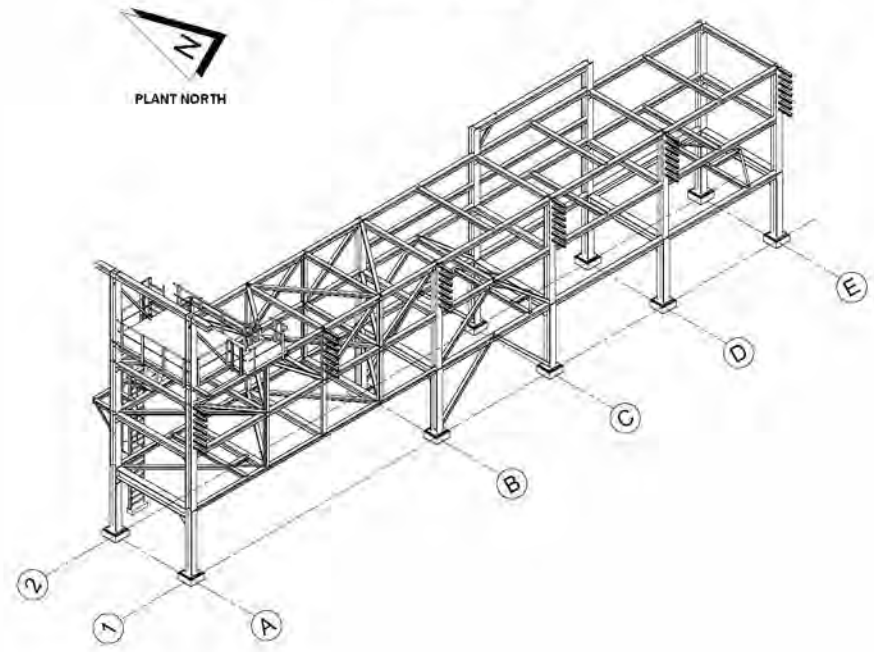
PLAN AT EL+8.000 TOS



PLAN AT EL+8.900 TOS



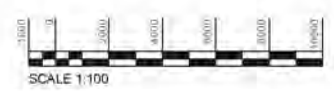
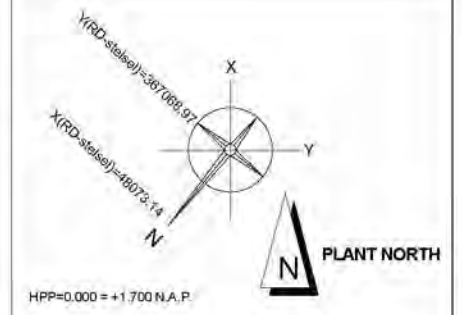
ISOMETRIC VIEW



- NOTES:**
1. ALL DIMENSIONS ARE IN MM. LEVELS & CO-ORDINATES ARE IN METER
 2. ALL ELEVATIONS ARE TOP OF STEEL UNLESS NOTED OTHERWISE
 3. THIS IS A FEED DOCUMENT AND NO CONSTRUCTION SHALL BE MADE BASED ON THIS DRAWING
 4. ALL LAYOUT, CO-ORDINATES AND DIMENSIONS ARE INDICATIVE AND SHALL BE CONFIRMED DURING DETAIL ENGINEERING

REFERENCES	
LINDE DOC. NO / OWNER DOC. NO.	TITLE
SAE 2001 N-ZD 1002 (EN) / 16471-Y56-00012	STEEL STRUCTURE LAYOUT DRAWING PIPERACK SR0501 ELEVATIONS
SAE 2001 C-ZA 1001 (EN) / 16471-Y56-00007	GENERAL ARRANGEMENT DRAWING FOUNDATION / PILING CO2 LIQUIFICATION
SAE 0000 N-SP 1001 (EN) / 16471-Y85-00001	STEEL STRUCTURE AND CIVIL DESIGN BASIS & GENERAL DESCRIPTION

LEGENDS	
T.O.S.	TOP OF STEEL
BOBP	BOTTOM OF BASE PLATE
H.P.P.	HIGH PAVING POINT
N.A.P.	NORMAAL AMSTERDAMS PEIL
	MOMENT CONNECTION



DATE	BY	CHKD	APPD	REVISION

Carbon Capture Storage Plant, Sluiskil

Linde

PROJECT NO: 3712485 CLIENT PROJECT NO: 10071

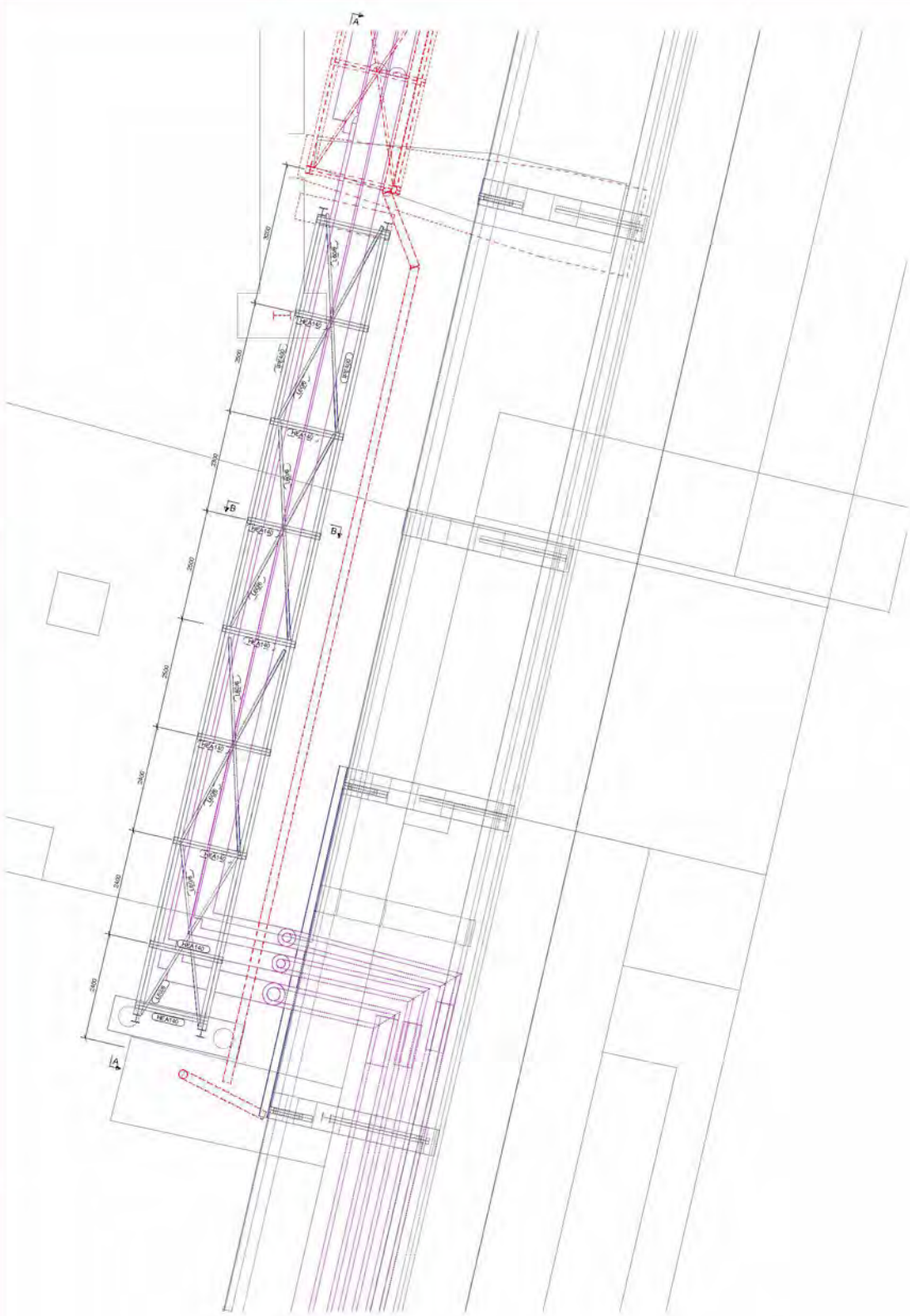
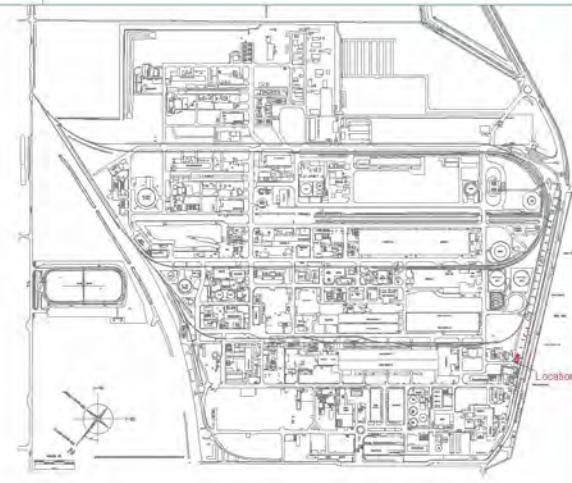
LINE PROJECT NO: 20000 LINE PROJECT NO: 10071

DATE: 2011-08-15 DATE: 2011-08-15

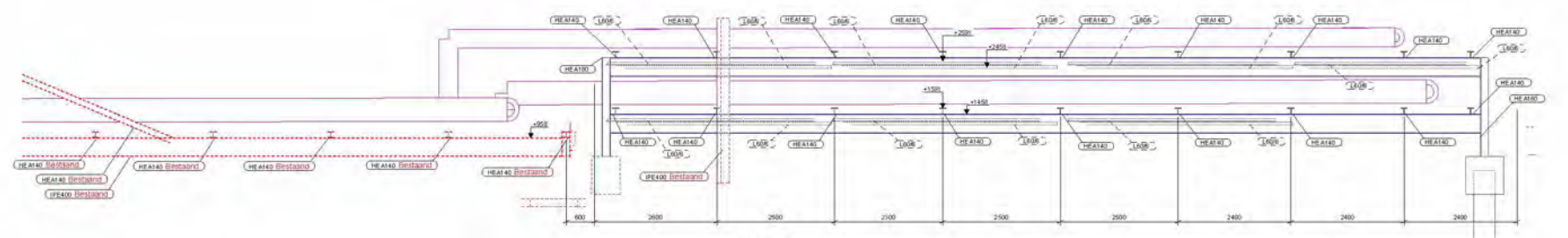
SCALE: 1:100 SCALE: 1:100

PROJECT: STEEL STRUCTURE LAYOUT DRAWING PIPERACK SR0501 ISOMETRIC VIEW & LEVEL VIEWS

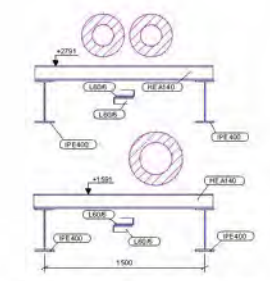
DATE: 2011-08-15 PROJECT NO: 16471-Y56-00012



Bovenzicht
SCHAAL 1:50



DRS A - A
SCHAAL 1:50

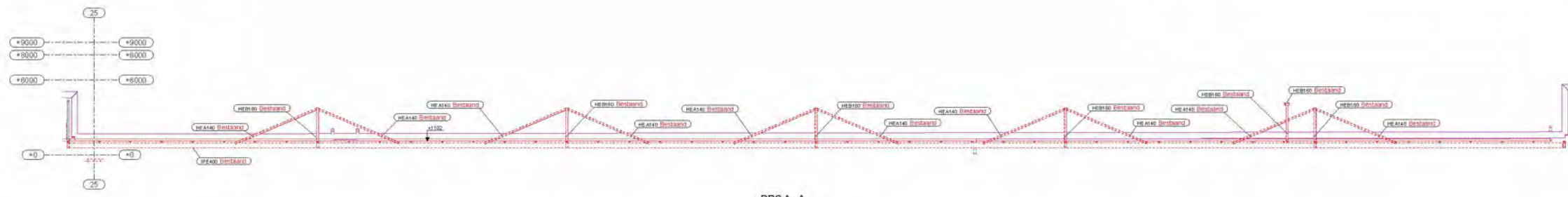
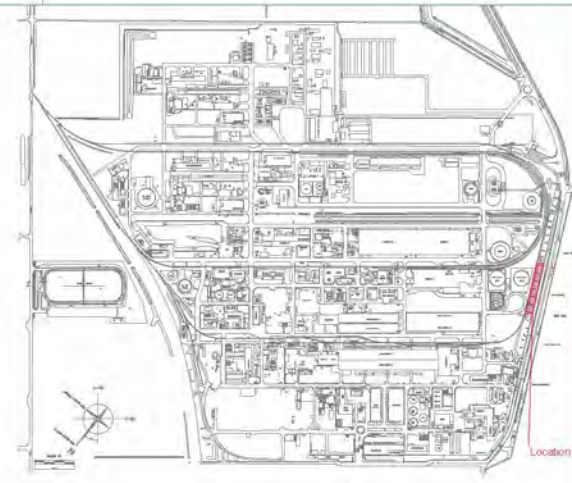


DRS B - B (PRINCIPE DOORSNEDE)
SCHAAL 1:25

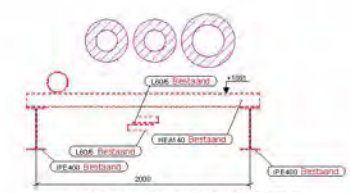
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STEEL GRADES S275JR S275J2 S275J27 S275J28 S275J29	BOLTS A4-70 A4-80 A4-100 A4-125 A4-170	WELDING DIMENSIONS EN 10163 EN 10164 EN 10165 EN 10166 EN 10167	FIRE RESISTANCE R15 R30 R45 R60 R90 R120 R150 R180 R240 R300 R360 R480 R600 R1200
EXECUTION CLASS Main steel EN 1090-1 EN 1090-2 EN 1090-3	EXECUTION CLASS Secondary steel EN 1090-1 EN 1090-2 EN 1090-3	PRESERVATION EN 1090-1 EN 1090-2 EN 1090-3	PREPARATION DEGREE EN 1090-1 EN 1090-2 EN 1090-3
Rev: 01 Date: 15.12.2022 Description: Yara Sluiskil	Rev: 01 Date: 15.12.2022 Description: Yara Sluiskil	Rev: 01 Date: 15.12.2022 Description: Yara Sluiskil	Rev: 01 Date: 15.12.2022 Description: Yara Sluiskil
konstruktis industrial engineering		YARA Yara Technology and Projects	
Project: 4922005 Title: 15.12.2022_11.26_1.50		Project: YARA SLUISKIL Title: PIPERACKS CCS PROJECT Zone: ZONE 4	
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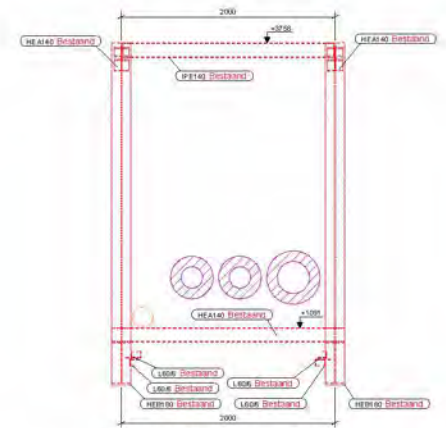
Bovenzicht
SCHAAL 1:150



DRS A - A
SCHAAL 1:150



DRS B - B (PRINCIPE DOORSNEDE)
SCHAAL 1:25

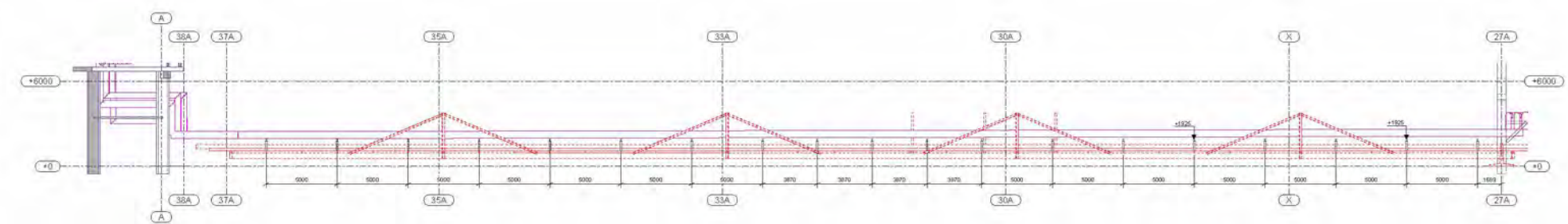
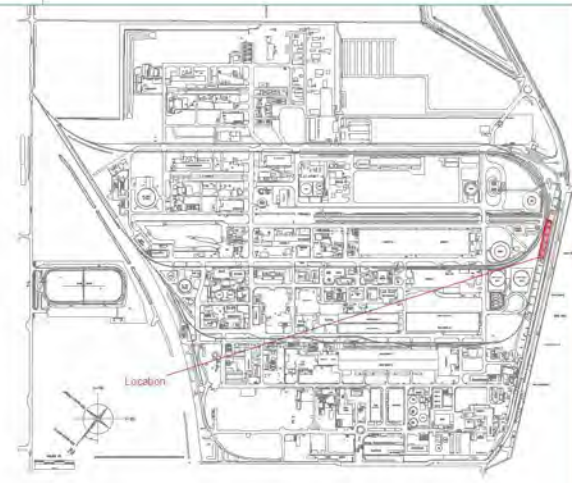


DRS C - C (PRINCIPE DOORSNEDE)
SCHAAL 1:25

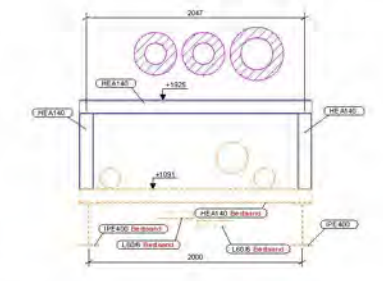
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STEEL GRADES EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4	BOLTS EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4	WELDING DIMENSIONS EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4	FIRE RESISTANCE EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4
EXECUTION CLASS Main steel EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4	EXECUTION CLASS Secondary steel EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4	PRESERVATION EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4	PREPARATION DEGREE EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4 EN 10210 + A4
5.1.2.e 15.12.2022 Yara engineering	15.12.2022 Yara engineering	15.12.2022 Yara engineering	15.12.2022 Yara engineering
konstruktis industrial engineering 5.1.2.e	YARA SLUISRRL PORTALEN CCS PROJECT PORTALEN OP BESTAAND PIPERACK ZONE 7	Yara Technology and Projects	TO_701



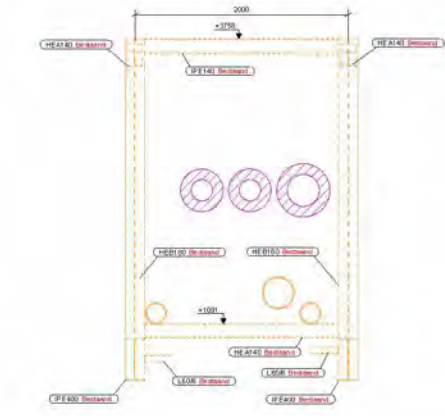
Bovenzicht
SCHAAL 1:150



DRS A - A
SCHAAL 1:150

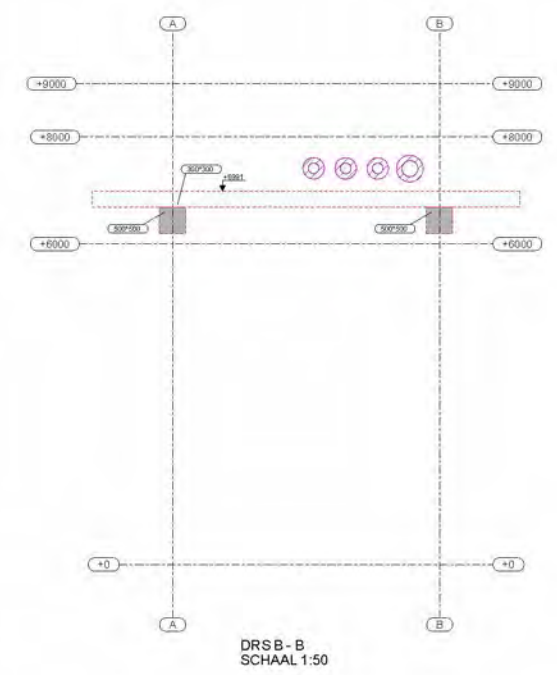
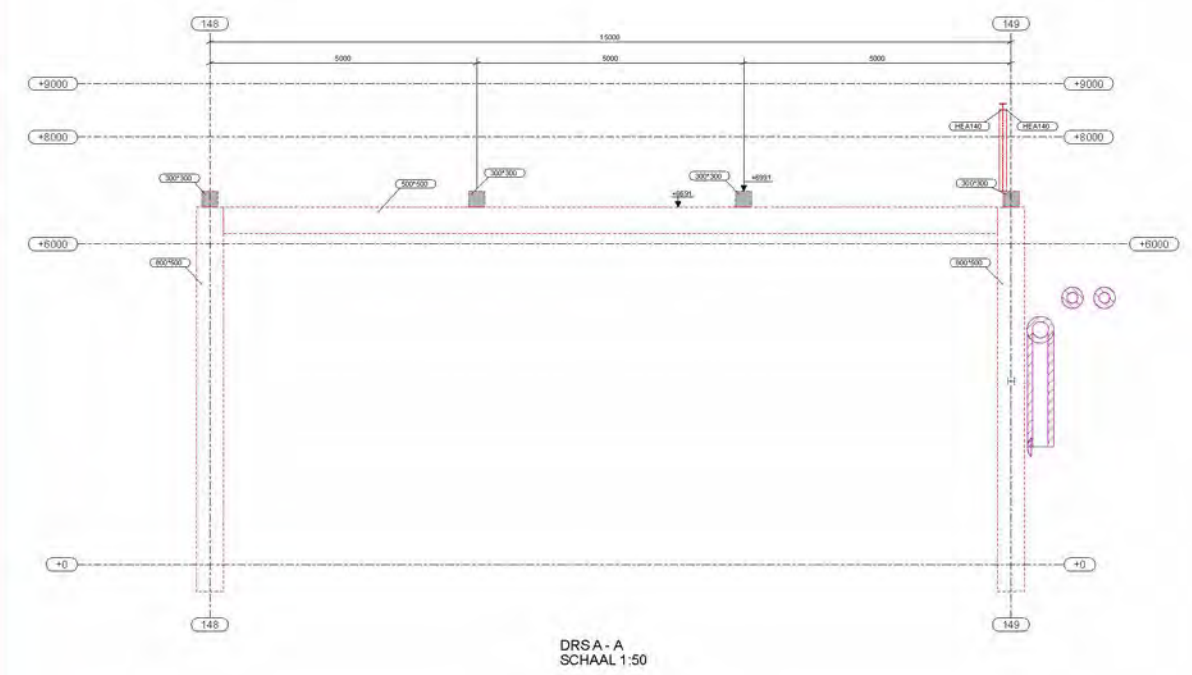
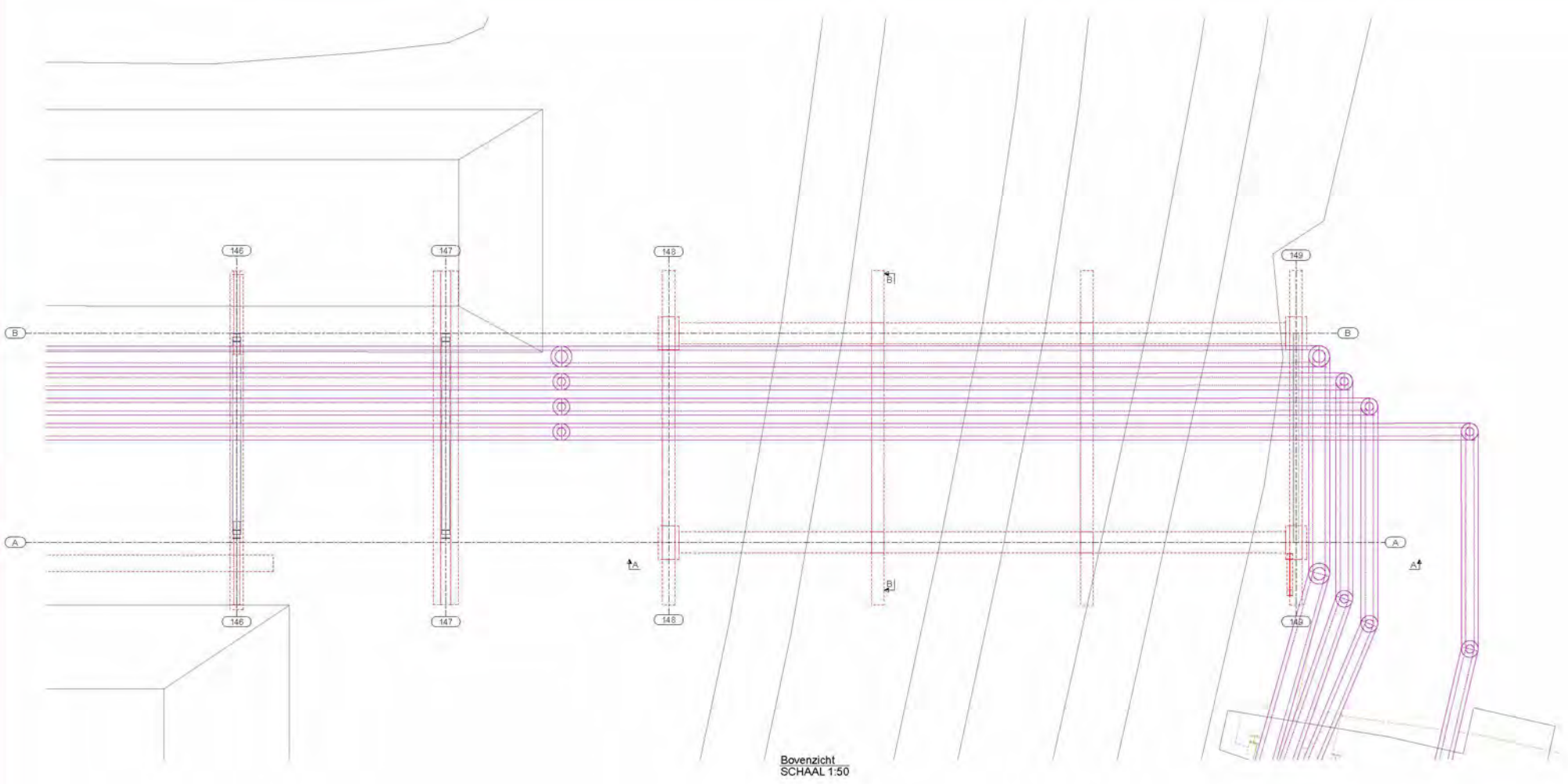
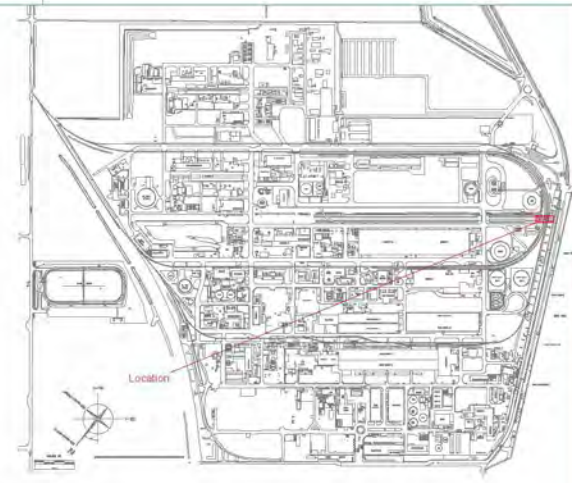


DRS B - B (PRINCIPE DOORSNEDE)
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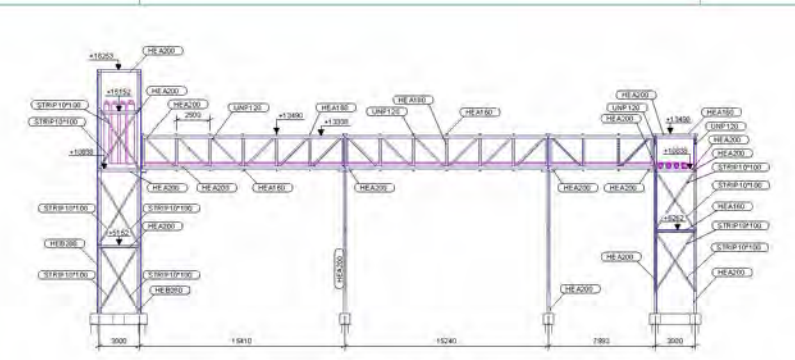
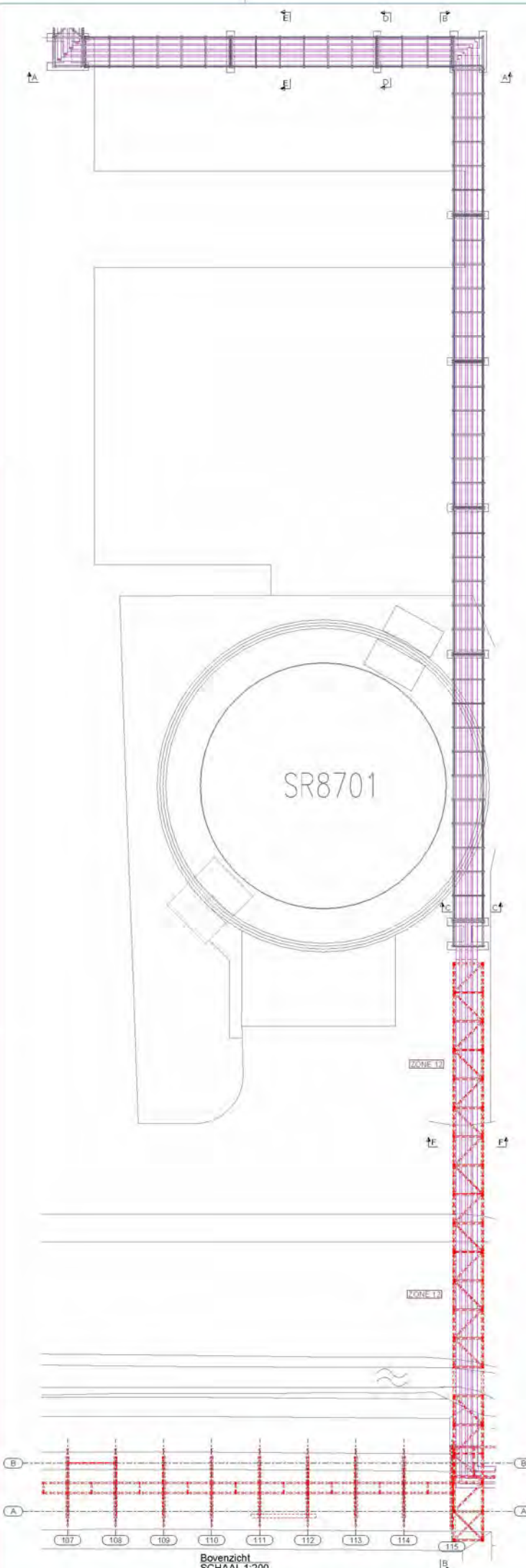


DRS C - C (PRINCIPE DOORSNEDE)
SCHAAL 1:25

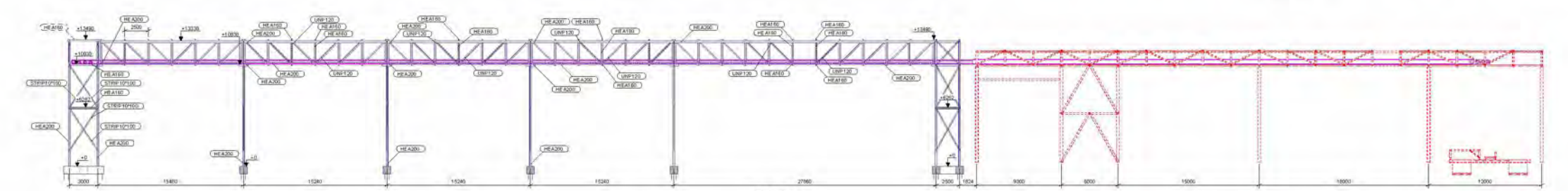
GENERAL STEEL				
STEEL	S235JR S275JR S355JR S460NL S460ML S460M S460L S460M S460L S460M S460L	S235JR S275JR S355JR S460NL S460ML S460M S460L S460M S460L S460M S460L	S235JR S275JR S355JR S460NL S460ML S460M S460L S460M S460L S460M S460L	
STEEL GRADES	S235JR S275JR S355JR S460NL S460ML S460M S460L S460M S460L S460M S460L	S235JR S275JR S355JR S460NL S460ML S460M S460L S460M S460L S460M S460L	S235JR S275JR S355JR S460NL S460ML S460M S460L S460M S460L S460M S460L	S235JR S275JR S355JR S460NL S460ML S460M S460L S460M S460L S460M S460L
EXECUTION CLASS Main Steel	E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12	E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12	E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12	E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12
EXECUTION CLASS Secondary steel	E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12	E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12	E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12	E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12
5.1.2	15.12.2022	Voor ontwerp en uitvoering		
konstruktis	YARA SLUISRIJL	YARA Technology and Projects		
PROJECT	PORTALEN OP BESTAANDE PIPERACK	YARA		
ZONE	ZONE 9	TO_901		



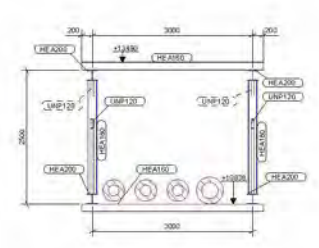
GENERAL STEEL			
STEEL Composition: EN 10025-2 S275 Delivery: EN 10025-2 S275 Max. thickness: EN 10025-2 S275 Corrosion: EN 10025-2 S275 Surface: EN 10025-2 S275 Finish: EN 10025-2 S275		ADDITIONAL YARA SPECIFICATIONS Delivery: EN 10025-2 S275 Max. thickness: EN 10025-2 S275 Corrosion: EN 10025-2 S275 Surface: EN 10025-2 S275 Finish: EN 10025-2 S275	
STEEL GRADES EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275	BOLTS EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275	WELDING DIMENSIONS EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275	FIRE RESISTANCE EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275
EXECUTION CLASS Main steel EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275	EXECUTION CLASS Secondary steel EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275	PREPARATION DEGREE EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275	REMARKS EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275 EN 10025-2 S275
Plan: 15.12.2022 Drawn: [Name] Checked: [Name] Appr.: [Name] Date: 15.12.2022	Description: YARA SLUISRIJL PROJECT: BESTAANDE CCS PROJECT BESTAANDE BETONNEN PIPERACK ZONE 10		
konstruktis industrial engineering 5.1.2.e	YARA Yara Technology and Projects	4922005 15.12.2022_11.50 5.1.2.e TO_1001	



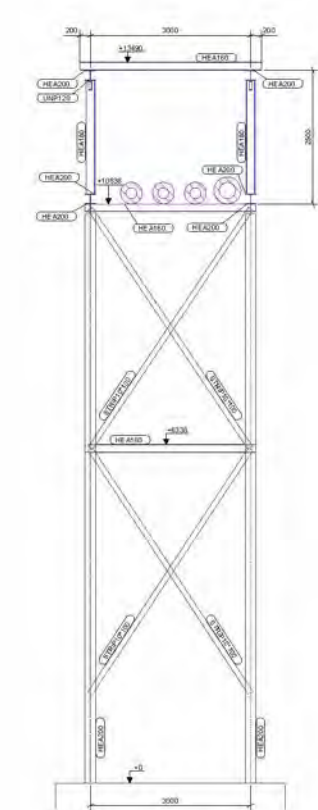
DRSA - A
SCHAAL 1:200



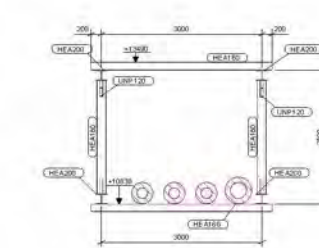
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SCHAAL 1:200



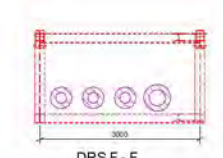
DRS C - C (PRINCIPE DOORSNEDE)
SCHAAL 1:50



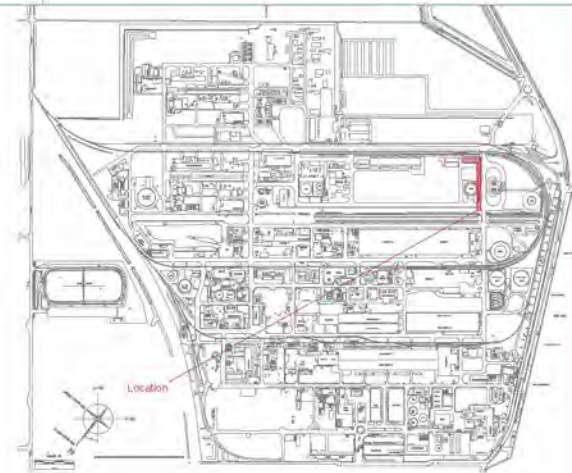
DRS D - D (PRINCIPE DOORSNEDE)
SCHAAL 1:50



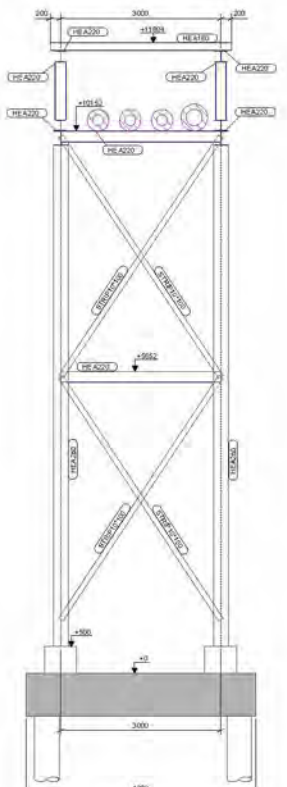
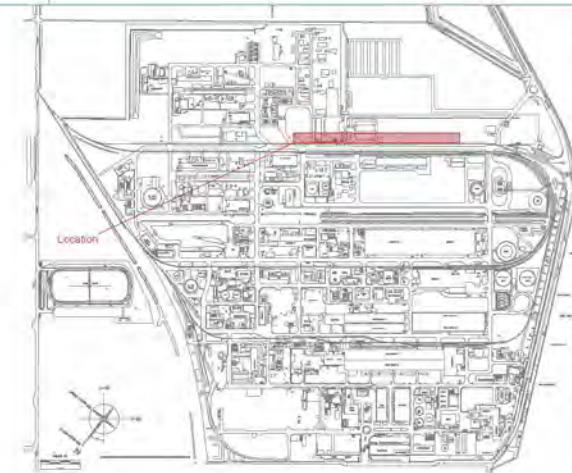
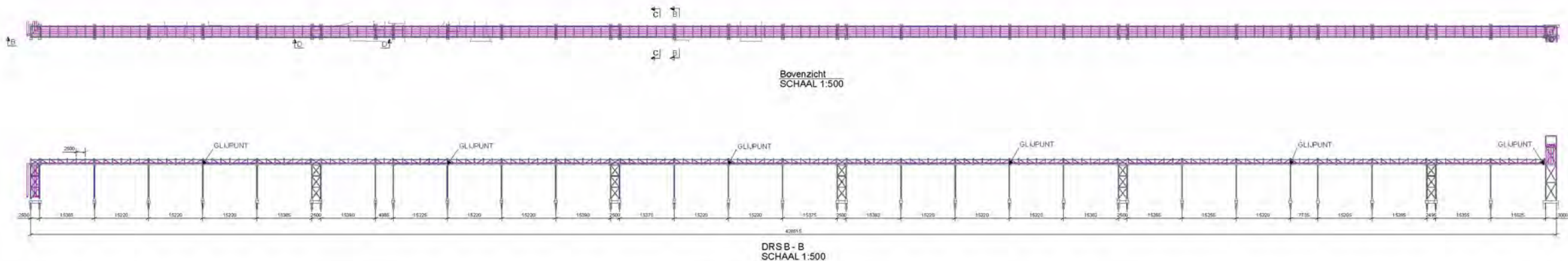
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SCHAAL 1:50



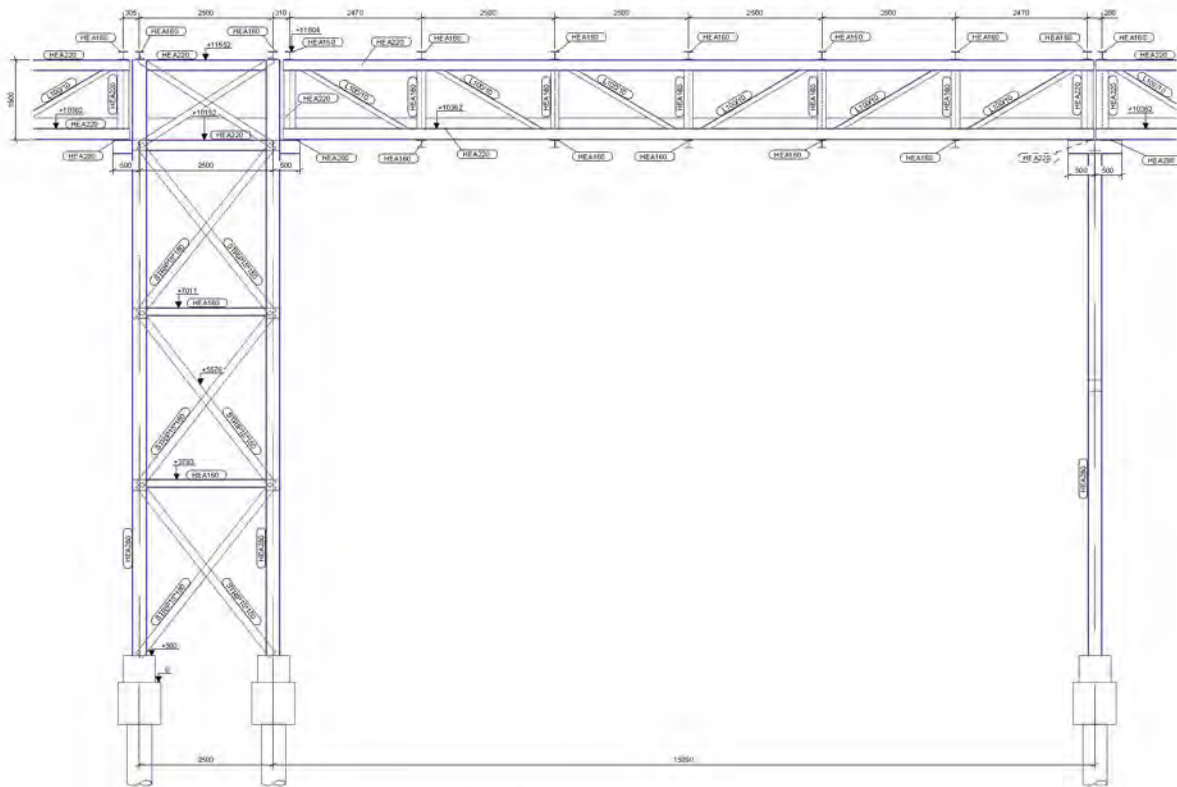
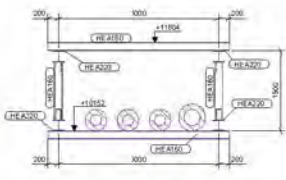
DRS F - F
SCHAAL 1:50



GENERAL STEEL			
STEEL		ADDITIONAL YARA SPECIFICATIONS	
Component	DR 1002 + 04	Welding	DR 1011 + 04
Surface	DR 1003 + 04	Painting	DR 1004 + 04
Corrosion	DR 1005 + 04	Preparation	DR 1006 + 04
Execution	DR 1007 + 04	Preservation	DR 1008 + 04
Form	DR 1009 + 04	Preparation degree	DR 1010 + 04
STEEL GRADES		WELDING DIMENSIONS	
Structure	S235JR	Welding	DR 1011 + 04
Surface	S235JR	Painting	DR 1004 + 04
Corrosion	S235JR	Preparation	DR 1006 + 04
Execution	S235JR	Preservation	DR 1008 + 04
Form	S235JR	Preparation degree	DR 1010 + 04
EXECUTION CLASS Main steel		FIRE RESISTANCE	
Structure	DR 1002 + 04	Fire resistance	DR 1009 + 04
Surface	DR 1003 + 04	Climate class	DR 1010 + 04
Corrosion	DR 1005 + 04	Preparation degree	DR 1010 + 04
Execution	DR 1007 + 04	Preparation degree	DR 1010 + 04
Form	DR 1009 + 04	Preparation degree	DR 1010 + 04
EXECUTION CLASS Secondary steel		PREPARATION DEGREE	
Structure	DR 1002 + 04	Preparation degree	DR 1010 + 04
Surface	DR 1003 + 04	Preparation degree	DR 1010 + 04
Corrosion	DR 1005 + 04	Preparation degree	DR 1010 + 04
Execution	DR 1007 + 04	Preparation degree	DR 1010 + 04
Form	DR 1009 + 04	Preparation degree	DR 1010 + 04
Revision		Date	
Rev.	Description	Rev.	Date
1	DR 1002 + 04	1	15-12-2022
Project		Description	
YARA SLUISRSL		YARA SLUISRSL	
konstruktis		YARA SLUISRSL	
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4922005		15122022_11.90_1.200_5.1.2.e	
A0		TO_1301	



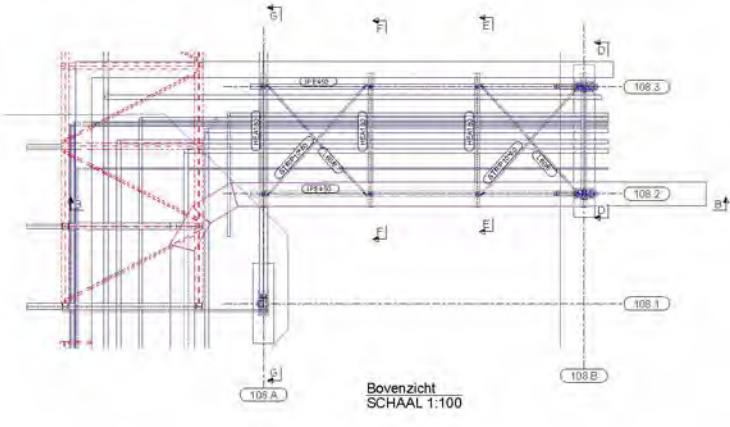
DRS C - C (PRINCIPE DOORSNEDE)
SCHAAL 1:50



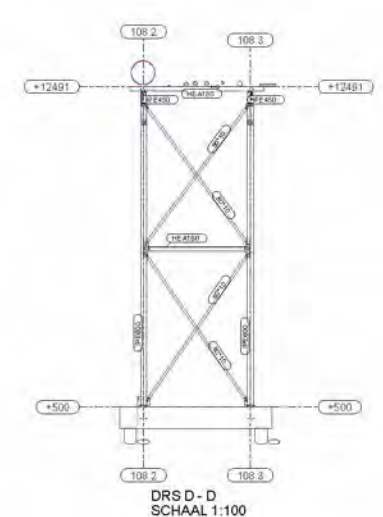
DRS D - D (PRINCIPE DOORSNEDE)
SCHAAL 1:50

DRS B - B (PRINCIPE DOORSNEDE)
SCHAAL 1:50

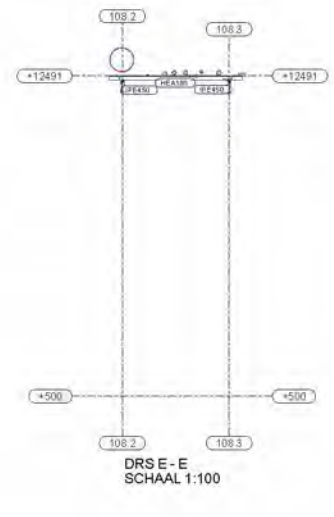
GENERAL STEEL			
STEEL Composition: EN 10210 + A63 Delivery: EN 10210 + A63 Min. Yield: EN 10210 + A63 (R _e 355) + A63 Composition: EN 10210 + A63 Surface: EN 10210 + A63 (R _e 355) + A63 Surface: EN 10210 + A63 (R _e 355) + A63 Form: EN 10210 + A63 (R _e 355) + A63	ADDITIONAL YARA SPECIFICATIONS Welding: EN 10210 + A63 Painting: EN 10210 + A63 Corrosion: EN 10210 + A63 Preservation: EN 10210 + A63	STEEL GRADES Structure: S275JR + A63 Truss: S275JR + A63 Truss: S275JR + A63 Truss: S275JR + A63 Truss: S275JR + A63	ADDITIONAL YARA SPECIFICATIONS Welding: EN 10210 + A63 Painting: EN 10210 + A63 Corrosion: EN 10210 + A63 Preservation: EN 10210 + A63
EXECUTION CLASS Main steel EN 10210 + A63	BOLTS EN 10210 + A63 EN 10210 + A63 EN 10210 + A63 EN 10210 + A63 EN 10210 + A63	WELDING DIMENSIONS EN 10210 + A63 EN 10210 + A63 EN 10210 + A63 EN 10210 + A63	PRESERVATION EN 10210 + A63 EN 10210 + A63 EN 10210 + A63
EXECUTION CLASS Secondary steel EN 10210 + A63	ANCHORS EN 10210 + A63 EN 10210 + A63 EN 10210 + A63 EN 10210 + A63	FIRE RESISTANCE EN 10210 + A63 EN 10210 + A63 EN 10210 + A63	CLIMATE CLASS EN 10210 + A63 EN 10210 + A63 EN 10210 + A63
15-12-2022 15-12-2022 15-12-2022	YARA SLU/SRL YARA SLU/SRL YARA SLU/SRL YARA SLU/SRL YARA SLU/SRL	PREPARATION DEGREE EN 10210 + A63 EN 10210 + A63 EN 10210 + A63	ROU'TING MORTAR EN 10210 + A63 EN 10210 + A63 EN 10210 + A63
konstruktis 5.1.2.e 4922005	YARA Yara Technology and Projects TO_1501	This document shall not be reproduced, lent or otherwise disposed of, without YTA written approval	This document shall not be reproduced, lent or otherwise disposed of, without YTA written approval



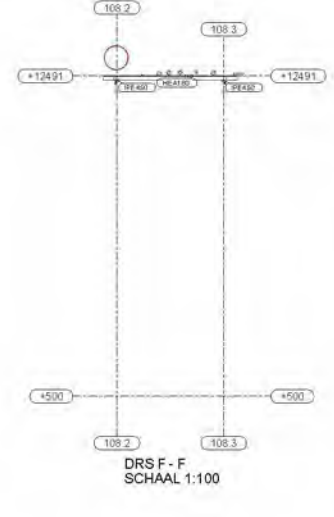
Bovenzicht
SCHAAL 1:100



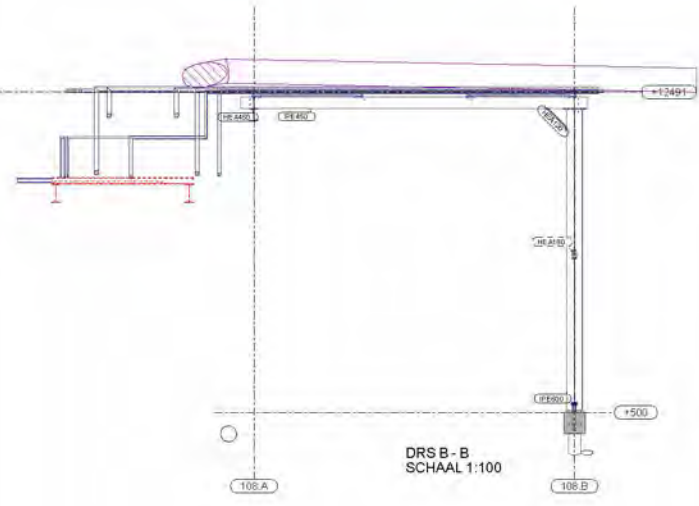
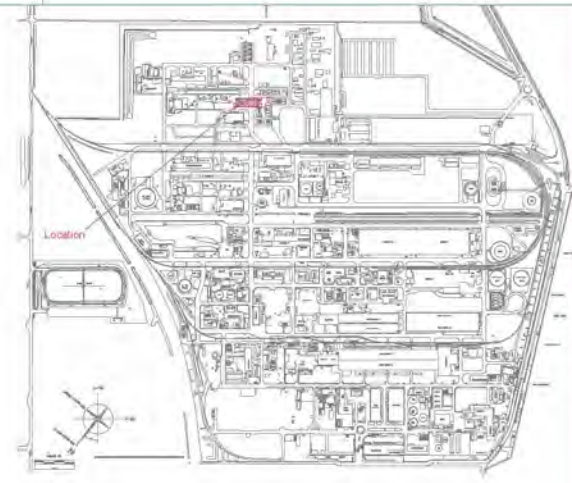
DRS D - D
SCHAAL 1:100



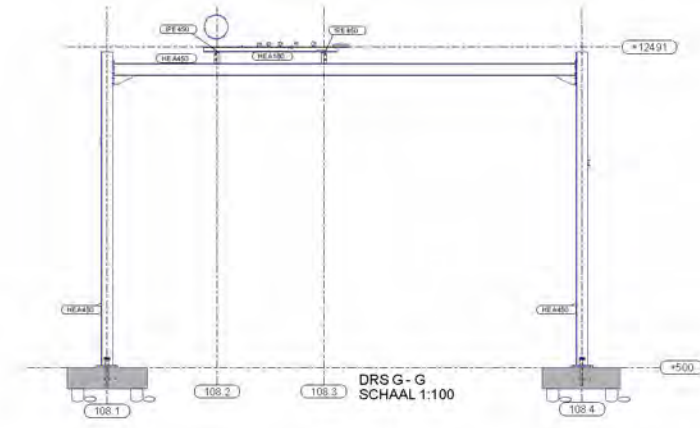
DRS E - E
SCHAAL 1:100



DRS F - F
SCHAAL 1:100



DRS B - B
SCHAAL 1:100



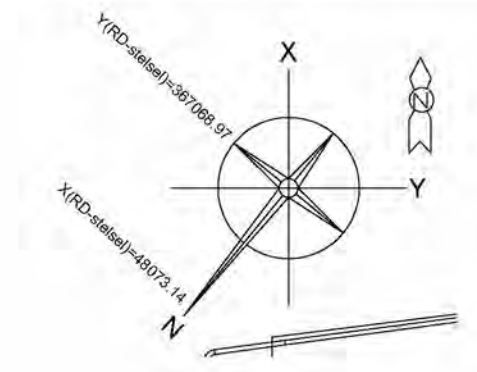
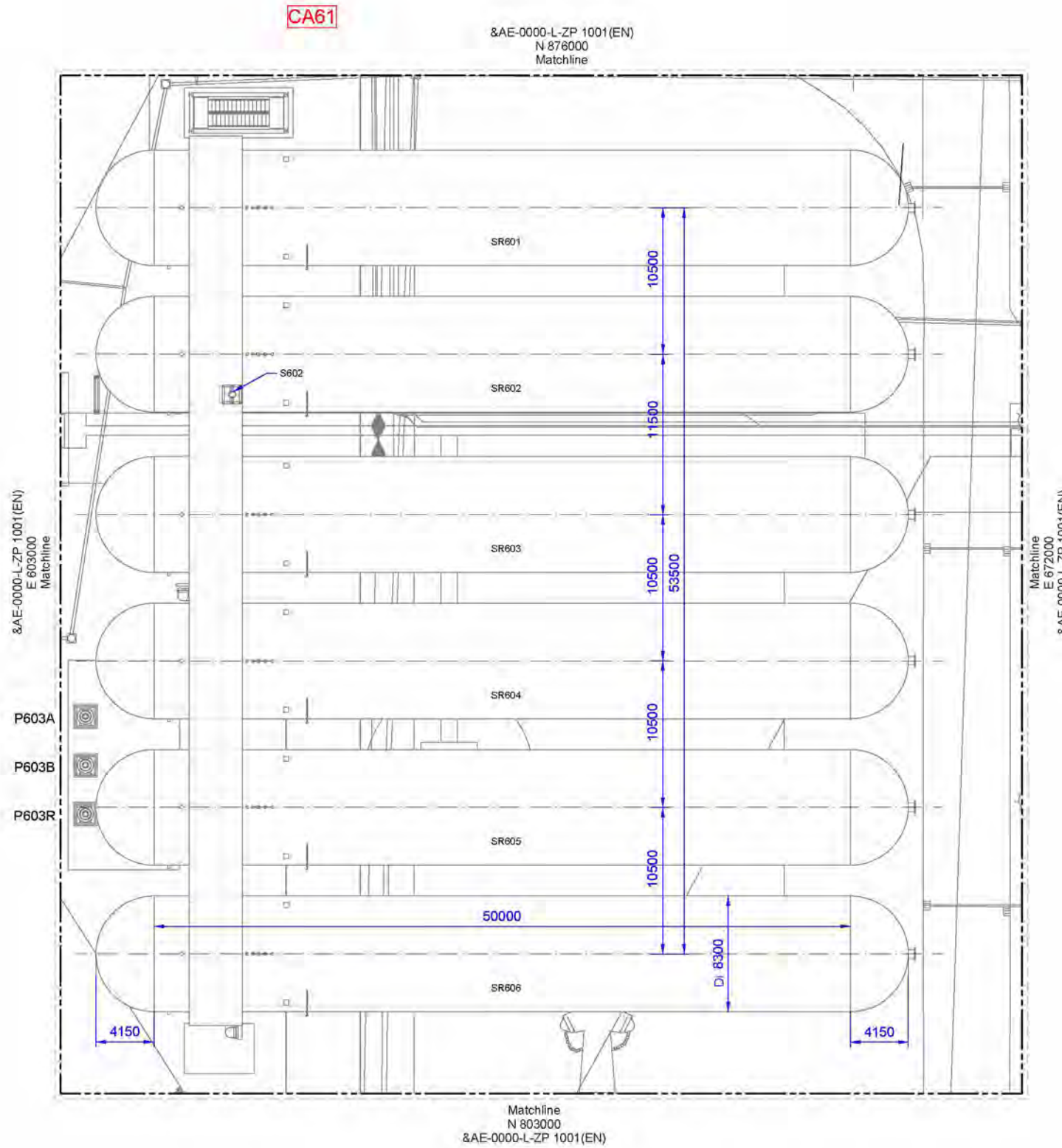
DRS G - G
SCHAAL 1:100

GENERAL STEEL		ADDITIONAL YARA SPECIFICATIONS		
STEEL Composition: EN 10025-2 S275 Delivery: EN 10025-2 S275 Max. thickness: EN 10025-2 S275 Length: EN 10025-2 S275 Surface: EN 10025-2 S275 Coating: EN 10025-2 S275 Form: EN 10025-2 S275	Max. thickness: 25 mm Length: 12000 mm Surface: RZ Coating: Z275 Form: I-beam	STEEL GRADES S275JR S275J2 S275J27 S275J28 S275J29 S275J30 S275J35 S275J36 S275J38 S275J40 S275J42 S275J46 S275J50 S275J55 S275J60 S275J65 S275J70 S275J75 S275J80 S275J85 S275J90 S275J95 S275J100 S275J105 S275J110 S275J115 S275J120 S275J125 S275J130 S275J135 S275J140 S275J145 S275J150 S275J155 S275J160 S275J165 S275J170 S275J175 S275J180 S275J185 S275J190 S275J195 S275J200	BOLTS A4-70 A4-80 A4-90 A4-100 A4-110 A4-120 A4-130 A4-140 A4-150 A4-160 A4-170 A4-180 A4-190 A4-200 A4-210 A4-220 A4-230 A4-240 A4-250 A4-260 A4-270 A4-280 A4-290 A4-300 A4-310 A4-320 A4-330 A4-340 A4-350 A4-360 A4-370 A4-380 A4-390 A4-400 A4-410 A4-420 A4-430 A4-440 A4-450 A4-460 A4-470 A4-480 A4-490 A4-500	WELDING DIMENSIONS EN 10157 EN 10158 EN 10159 EN 10160 EN 10161 EN 10162 EN 10163 EN 10164 EN 10165 EN 10166 EN 10167 EN 10168 EN 10169 EN 10170 EN 10171 EN 10172 EN 10173 EN 10174 EN 10175 EN 10176 EN 10177 EN 10178 EN 10179 EN 10180 EN 10181 EN 10182 EN 10183 EN 10184 EN 10185 EN 10186 EN 10187 EN 10188 EN 10189 EN 10190 EN 10191 EN 10192 EN 10193 EN 10194 EN 10195 EN 10196 EN 10197 EN 10198 EN 10199 EN 10200
EXECUTION CLASS Main steel EN 1090-1 EN 1090-2 EN 1090-3 EN 1090-4 EN 1090-5 EN 1090-6 EN 1090-7 EN 1090-8 EN 1090-9 EN 1090-10 EN 1090-11 EN 1090-12 EN 1090-13 EN 1090-14 EN 1090-15 EN 1090-16 EN 1090-17 EN 1090-18 EN 1090-19 EN 1090-20 EN 1090-21 EN 1090-22 EN 1090-23 EN 1090-24 EN 1090-25 EN 1090-26 EN 1090-27 EN 1090-28 EN 1090-29 EN 1090-30 EN 1090-31 EN 1090-32 EN 1090-33 EN 1090-34 EN 1090-35 EN 1090-36 EN 1090-37 EN 1090-38 EN 1090-39 EN 1090-40 EN 1090-41 EN 1090-42 EN 1090-43 EN 1090-44 EN 1090-45 EN 1090-46 EN 1090-47 EN 1090-48 EN 1090-49 EN 1090-50	EXECUTION CLASS Secondary steel EN 1090-1 EN 1090-2 EN 1090-3 EN 1090-4 EN 1090-5 EN 1090-6 EN 1090-7 EN 1090-8 EN 1090-9 EN 1090-10 EN 1090-11 EN 1090-12 EN 1090-13 EN 1090-14 EN 1090-15 EN 1090-16 EN 1090-17 EN 1090-18 EN 1090-19 EN 1090-20 EN 1090-21 EN 1090-22 EN 1090-23 EN 1090-24 EN 1090-25 EN 1090-26 EN 1090-27 EN 1090-28 EN 1090-29 EN 1090-30 EN 1090-31 EN 1090-32 EN 1090-33 EN 1090-34 EN 1090-35 EN 1090-36 EN 1090-37 EN 1090-38 EN 1090-39 EN 1090-40 EN 1090-41 EN 1090-42 EN 1090-43 EN 1090-44 EN 1090-45 EN 1090-46 EN 1090-47 EN 1090-48 EN 1090-49 EN 1090-50	PREPARATION DEGREE EN 1090-1 EN 1090-2 EN 1090-3 EN 1090-4 EN 1090-5 EN 1090-6 EN 1090-7 EN 1090-8 EN 1090-9 EN 1090-10 EN 1090-11 EN 1090-12 EN 1090-13 EN 1090-14 EN 1090-15 EN 1090-16 EN 1090-17 EN 1090-18 EN 1090-19 EN 1090-20 EN 1090-21 EN 1090-22 EN 1090-23 EN 1090-24 EN 1090-25 EN 1090-26 EN 1090-27 EN 1090-28 EN 1090-29 EN 1090-30 EN 1090-31 EN 1090-32 EN 1090-33 EN 1090-34 EN 1090-35 EN 1090-36 EN 1090-37 EN 1090-38 EN 1090-39 EN 1090-40 EN 1090-41 EN 1090-42 EN 1090-43 EN 1090-44 EN 1090-45 EN 1090-46 EN 1090-47 EN 1090-48 EN 1090-49 EN 1090-50	PIRE RESISTANCE EN 1090-1 EN 1090-2 EN 1090-3 EN 1090-4 EN 1090-5 EN 1090-6 EN 1090-7 EN 1090-8 EN 1090-9 EN 1090-10 EN 1090-11 EN 1090-12 EN 1090-13 EN 1090-14 EN 1090-15 EN 1090-16 EN 1090-17 EN 1090-18 EN 1090-19 EN 1090-20 EN 1090-21 EN 1090-22 EN 1090-23 EN 1090-24 EN 1090-25 EN 1090-26 EN 1090-27 EN 1090-28 EN 1090-29 EN 1090-30 EN 1090-31 EN 1090-32 EN 1090-33 EN 1090-34 EN 1090-35 EN 1090-36 EN 1090-37 EN 1090-38 EN 1090-39 EN 1090-40 EN 1090-41 EN 1090-42 EN 1090-43 EN 1090-44 EN 1090-45 EN 1090-46 EN 1090-47 EN 1090-48 EN 1090-49 EN 1090-50	CLIMATE CLASS EN 1090-1 EN 1090-2 EN 1090-3 EN 1090-4 EN 1090-5 EN 1090-6 EN 1090-7 EN 1090-8 EN 1090-9 EN 1090-10 EN 1090-11 EN 1090-12 EN 1090-13 EN 1090-14 EN 1090-15 EN 1090-16 EN 1090-17 EN 1090-18 EN 1090-19 EN 1090-20 EN 1090-21 EN 1090-22 EN 1090-23 EN 1090-24 EN 1090-25 EN 1090-26 EN 1090-27 EN 1090-28 EN 1090-29 EN 1090-30 EN 1090-31 EN 1090-32 EN 1090-33 EN 1090-34 EN 1090-35 EN 1090-36 EN 1090-37 EN 1090-38 EN 1090-39 EN 1090-40 EN 1090-41 EN 1090-42 EN 1090-43 EN 1090-44 EN 1090-45 EN 1090-46 EN 1090-47 EN 1090-48 EN 1090-49 EN 1090-50
5.1.2.e 15/12/2022 Voor ontwerp/ingevulling	15/12/2022 Voor ontwerp/ingevulling	15/12/2022 Voor ontwerp/ingevulling	15/12/2022 Voor ontwerp/ingevulling	
konstruktis 5.1.2.e 4922005	YARA SLUISRIJ PIPERACKS CCS PROJECT NIEUW PIPERACK ZONE 17		TO_1701	

8. CO₂ opslagtanks

top view

Looking Plan
SCALE: 1:200



Construction Areas	
CA00	Area not in LEDD scope
CA02	CO2 Compression / Refrigeration (Machine House)
CA03	Field Installation
CA05	Pipe Rack
CA41	Drying Unit
CA51	Rectification Unit
CA61	Tank Farm Unit
CA63	Ship Loading Unit
CA91	Cooling Water Unit

Equipments Tank Area	
P603 A/B/R	CO2 Loading Pump
S602	Silencer Storage
SR601	CO2 Storage Tank
SR602	CO2 Storage Tank
SR603	CO2 Storage Tank
SR604	CO2 Storage Tank
SR605	CO2 Storage Tank
SR606	CO2 Storage Tank

Notes:
- Reference Drawing &AE-0000-L-ZP 1010(EN)
"Equipment Arrangement Drawing Tank Farm Sections"



DATE	DESCRIPTION	STATUS	REVISION	ORIGINATOR	REVIEWED	APPROVED	DESCRIPTION
22-07-2022	Final Check	512a					

PLANT DESCRIPTION: Carbon Capture Storage Plant, Sluiskil

Linde logo and **YARA** logo

LINDE PROJECT NO: 5710AST6
LINDE PROJECT CODE: Sluiskil

CLIENT PROJECT NO: 16471
CLIENT PROJECT CODE: CACTUS

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TITLE: Equipment Arrangement Drawing Tank Farm Top View

SCALE: 1:200
REV: A1
LINDE DOC NO: &AE-0000-L-ZP 1009(EN)
YARA DOC NO: 16471-P57-00005

SHEET: 038475
REV 01 1 OF 1