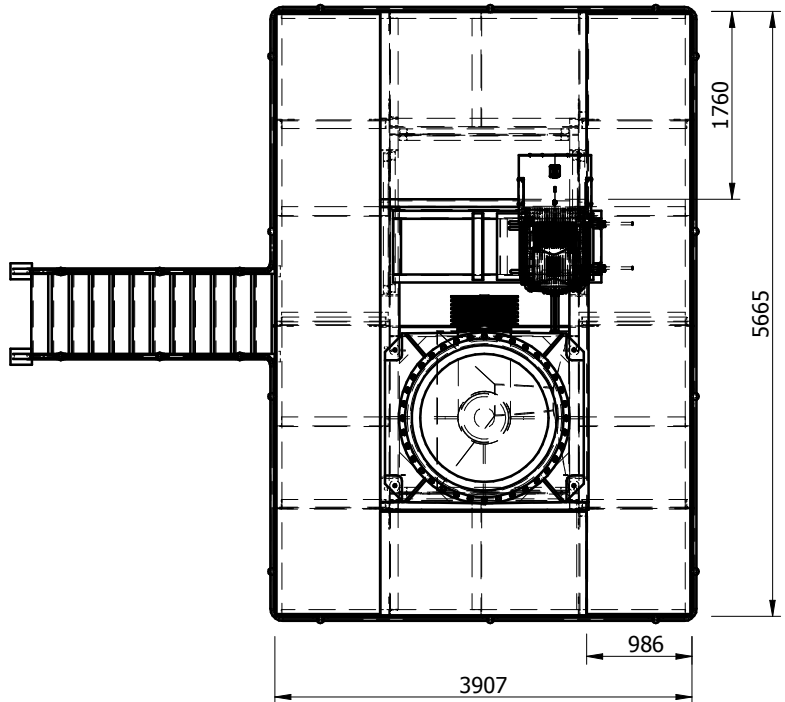
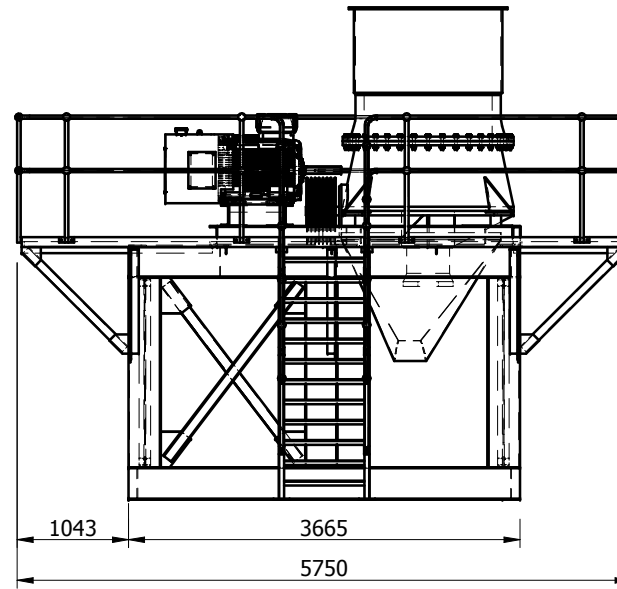
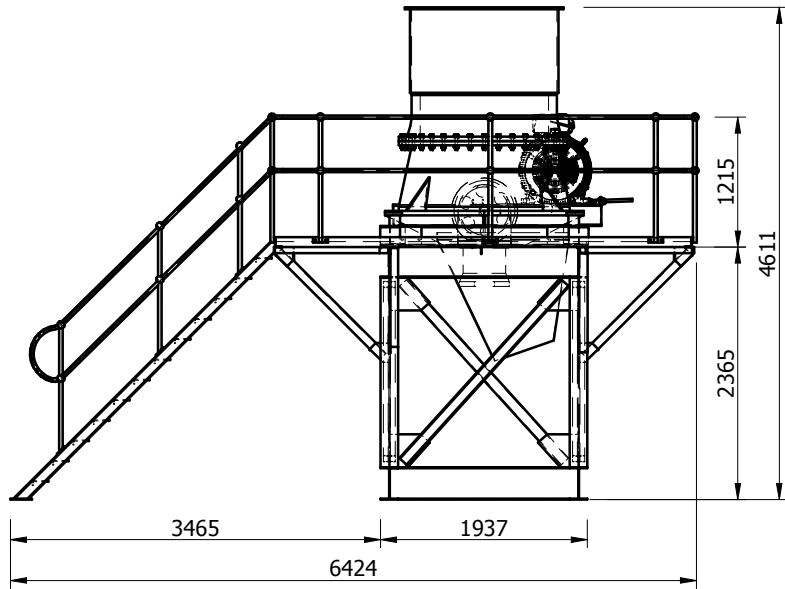
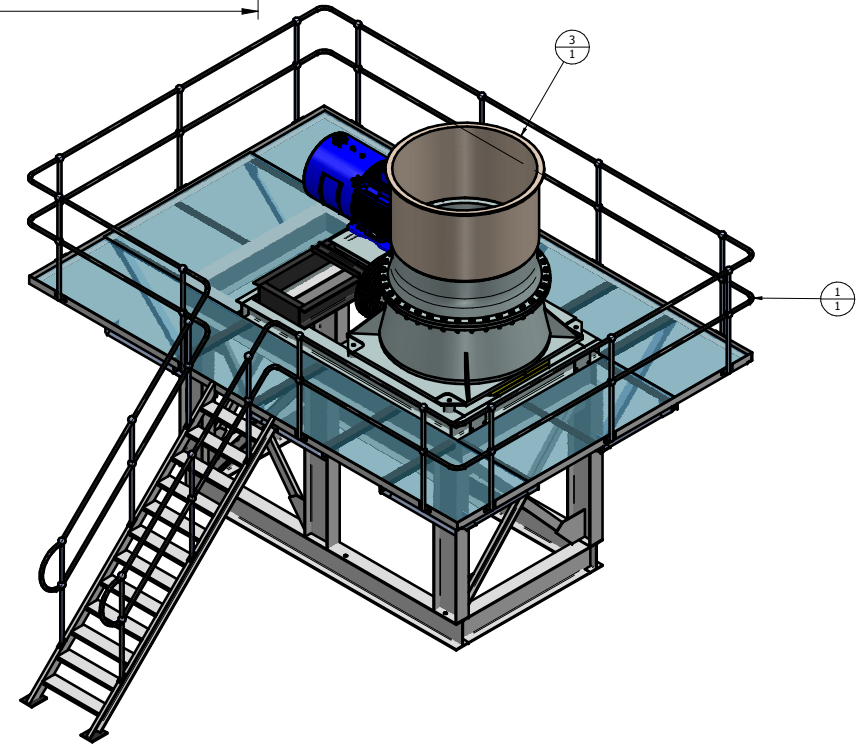


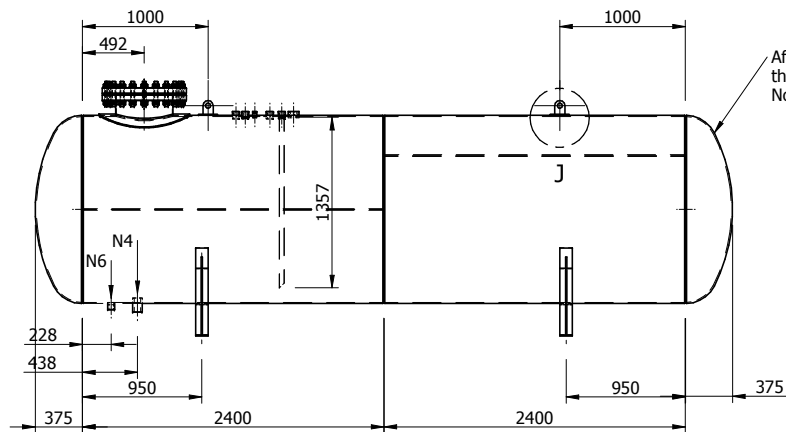


Item Number	Title	Quantity
1	CH430 CONE CRUSHER SUPPORT FRAME ANND ACCESS PLATFORM	1
3	CH430 CONE CRUSHER FULL ASM	1

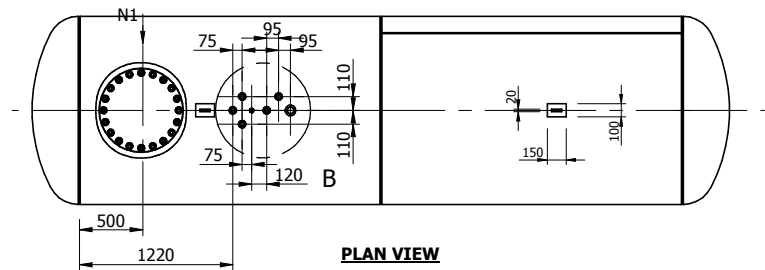


REV	BY	CHKD	REVISION DESCRIPTION	NAME	DATE	TITLE	REV
0	RYAN	L.GREEN	FOR INFORMATION	CHECKED	L.GREEN	3ft CH430 CONE CRUSHER AND STAND	0
				DRAWN	RYAN	A1 FOR INFORMATION	
				ENG APPR		SCALE: 1:25 WEIGHT:	

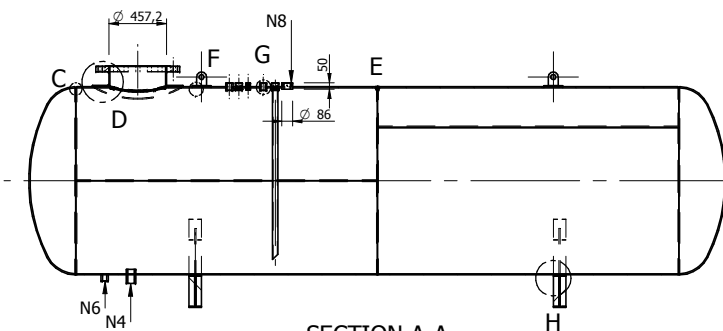




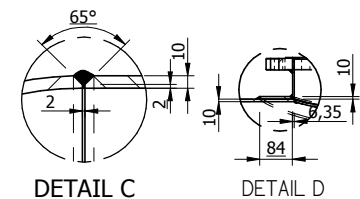
ELEVATION VIEW



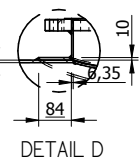
PLAN VIEW



SECTION A-A



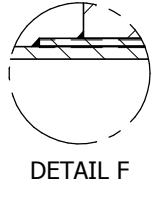
DETAIL C



DETAIL D



DETAIL E



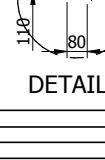
DETAIL F



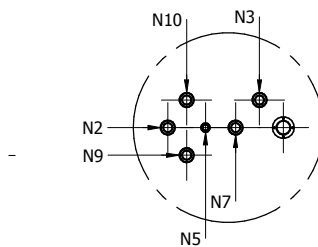
DETAIL H



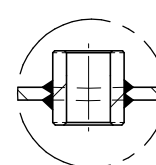
DETAIL I



DETAIL J

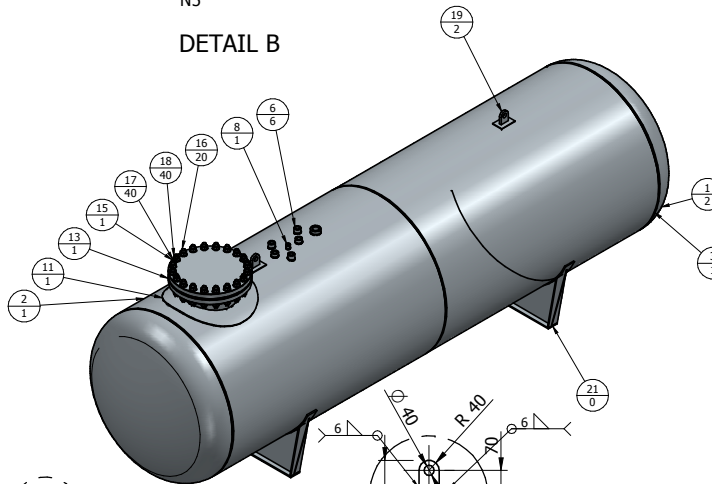


DETAIL B



DETAIL G

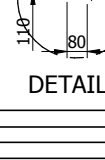
COUPLING TO SHELL



DETAIL H



DETAIL I



DETAIL J

Item Number	Title	Quantity
1	Elliptical Dished End_OD 1500mm_12mm_BS1501/151 Gr430A	2
2	Shell_D1500 x 2400mm x 10mm_BS1501-151 Gr 430A	1
3	Shell_D1500 x 2400mm x 10mm_BS1501-151 Gr 430A	1
6	Forged Half Coupling_1 1-4 NPTF_3000#_ASTM A105	6
7*	Forged Half Coupling_2 NPTF_3000#_ASTM A105	1
8	Forged Half Coupling_3-4 NPTF_3000#_ASTM A105	1
9*	Dip Pipe_32NB_SCH40_1350mm_ASTM A106 B	1
11	Reinforcing Pad_D634 xW88.4_10mm_BS1501-151 430A	1
12*	Pipe_450NB SCH30_200mm_ASTM A 106	1
13	Flange 150#_450NB_BS4504_BS1501-151 Gr 430A	1
14*	Gasket_KLINERT_450NB	1
15	Flange Blank150#_450NB_BS4504_BS1501-151 Gr.430A	1
16	M30 HT STUD_200mm_A193 GrB7	20
17	M30 Washer_A194 Gr 2H	40
18	M30 Nut_A194 Gr 2H	40
19	Lug_BS1501-151 Gr430A	2
20*	Lug Reinforcing Pad_10mm_BS1501-151 Gr430A	2
21*	Plate_1000 x 100 x 10mm_BS1501-151 Gr430A	2
22*	Plates_427 x 100 x 10mm_BS1501-151 430A	4
23*	Saddle Wear Plate_ID1500 x 100 x 10mm_BS1501 -151 Gr430A	2
25*	Plate_240 x 45 x 10mm_BS1501-151 430A	4
26*	Plate_1172 x 516 x 10mm_BS1501-151 Gr430A	2
27*	Magnetic Level Connection Pad_Commercial Steel	1

DESIGN DATA	
DESIGN CODE	PD5500 (2018)
DESIGN PRESSURE (kPa)	1750
DESIGN TEMPERATURE (Deg C)	50
HYDRAULIC TEST PRESSURE	2500
NDE	YES
PWHT	NO
INSPECTION AUTHORITY	RTIC
DATE OF TEST	2021
CORROSION ALLOWANCE (mm)	1.5mm
WORKING PRESSURE (kPa)	1750
WORKING TEMPERATURE (Deg C)	0- 50
VOLUME (m3)	9
SANS 347 HAZARD CATEGORY	IV

NOZZLE SCHEDULE				
MARK	QTY	SIZE	RATING (NB)	SERVICE
N1	1	457.2 OD	SCH30	MANWAY
N2	1	1-1/4" NPTF	3000 lbs	FILLING
N3	1	1-1/4" NPTF	3000 lbs	LIQUID PHASE 1 WITH DIP PIPE
N4	1	2" NPTF	3000 lbs	LIQUID PHASE 2
N5	1	3/4" NPTF	3000 lbs	HIGH LEVEL AND MANOMETER
N6	1	1-1/4" NPTF	3000 lbs	DRAIN
N7	1	1-1/4" NPTF	3000 lbs	GAS PHASE
N8	1	86 OD	50mm	MAGNETIC LEVEL
N9	1	1-1/4" NPTF	3000 lbs	PRESSURE RELIEF 1
N10	1	1-1/4" NPTF	3000 lbs	PRESSURE RELIEF 2

VESSEL DESIGN CODE:
PD5500 2018

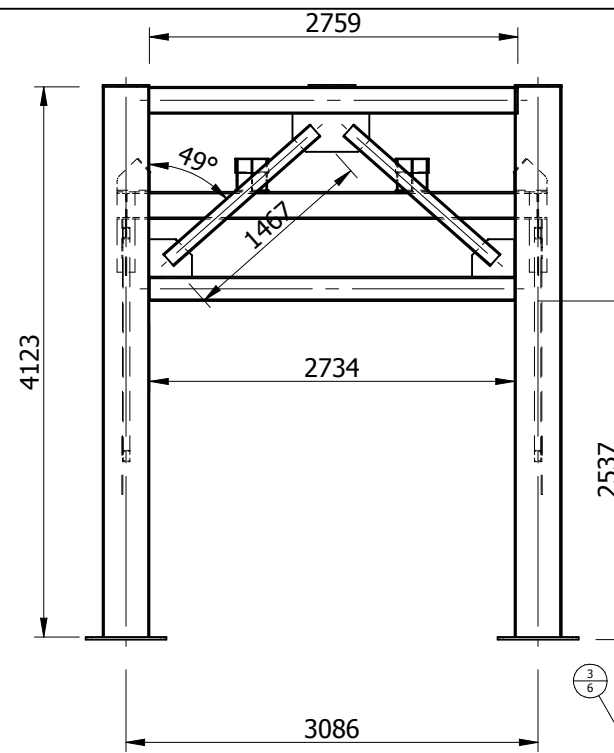
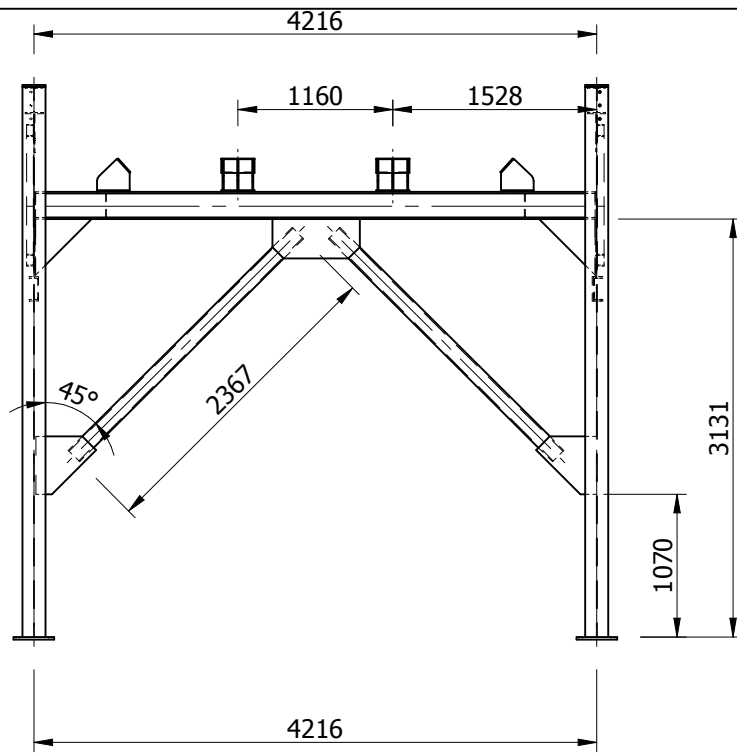
CONFORMITY ASSESMENT
MODULE: G

LESLIE GREEN (PrTechEng)
201470145

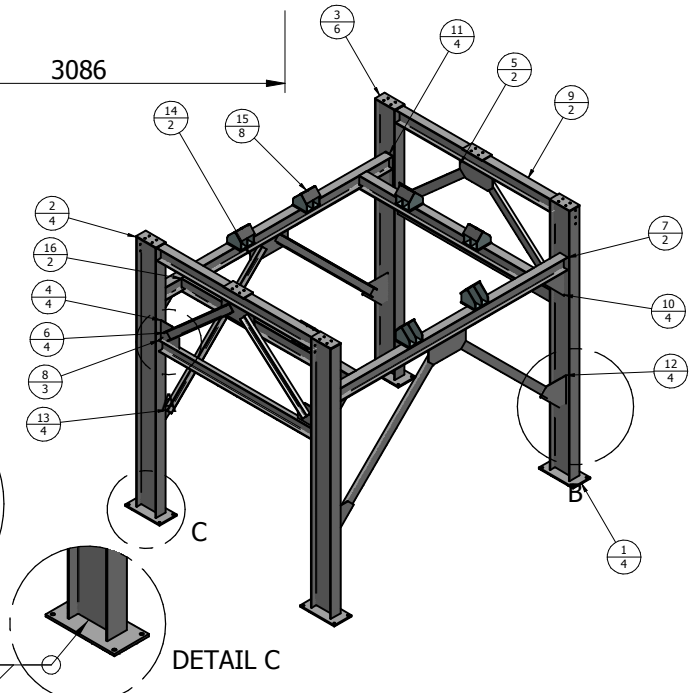
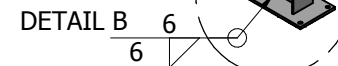
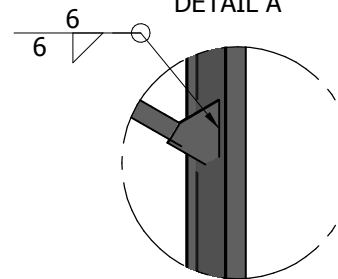
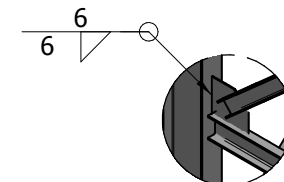
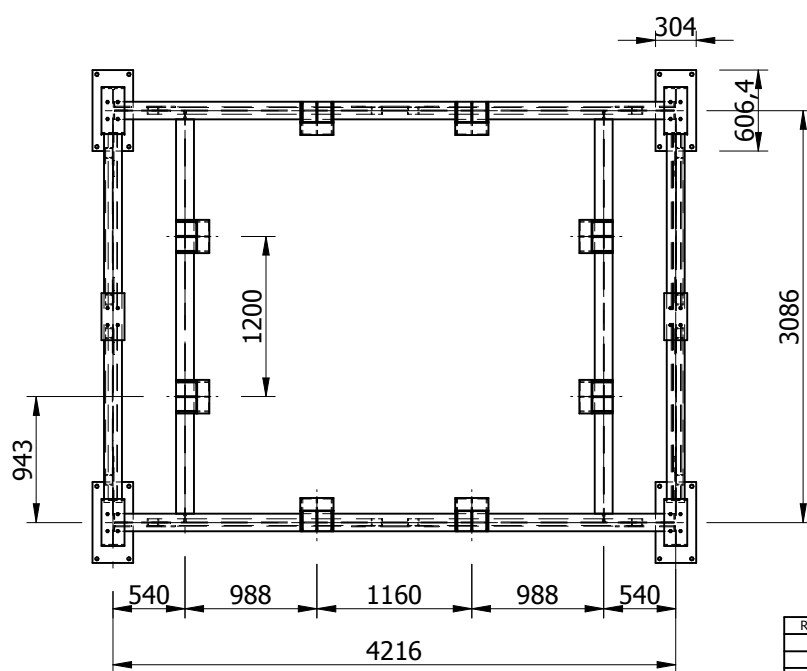


NAME	DATE	TITLE
CHECKED LG	24-03-21	9 m3 LPG TANK
DRAWN LG		SIZE A1 DWG No. PV9000LLPG
ENG APPR LG		REV 0
SCALE:		WEIGHT:

REV	BY	CHKD	REVISION DESCRIPTION



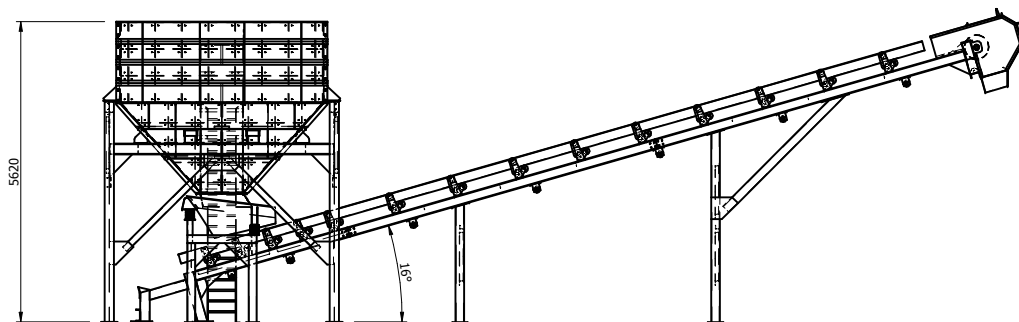
Item Number	Title	Quantity
1	BasePlate_606x304x20mm	4
2	IPF_356x171x57_4122mm	4
3	Plate_352x172x8mm	6
4	GussetPlate_316x282x8mm	4
5	GussetPlate_575x283x8mm	2
6	PFC_120x55_1467mm	4
7	IPF_203x133x30_4189mm	2
8	PFC_180x75_2734mm	3
9	IPF_203x133x30_2759mm	2
10	Plate_420x420x8mm	4
11	Plate_600x120x8mm	4
12	GussetPlate_451x432x8mm	4
13	PFC_120x55_2367mm	4
14	Plate_655x296x8mm	2
15	Lower Hopper Support Bracket	8
16	IPF_203x133x30_3070mm	2



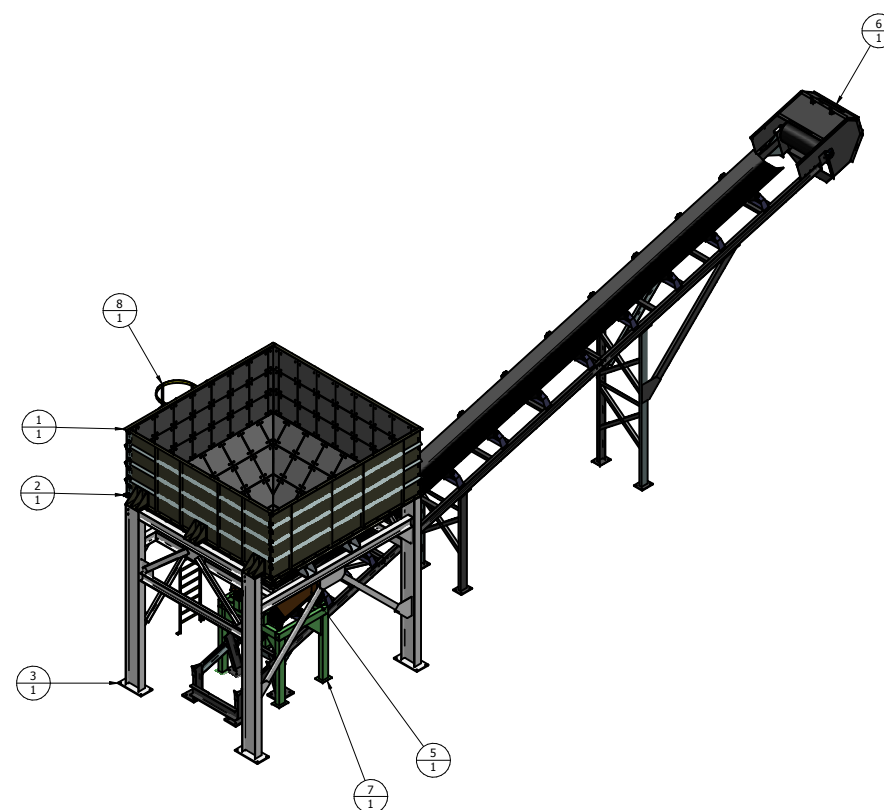
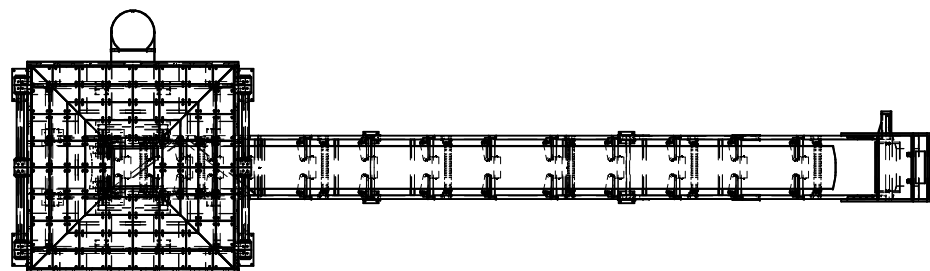
REV	BY	CHKD	REVISION DESCRIPTION



NAME	DATE	TITLE
CHECKED LG		30m3 BIN SUPPORT FRAME
DRAWN LG		SIZE A1 FOR INFORMATION
ENG APPR LG		SCALE: WEIGHT:

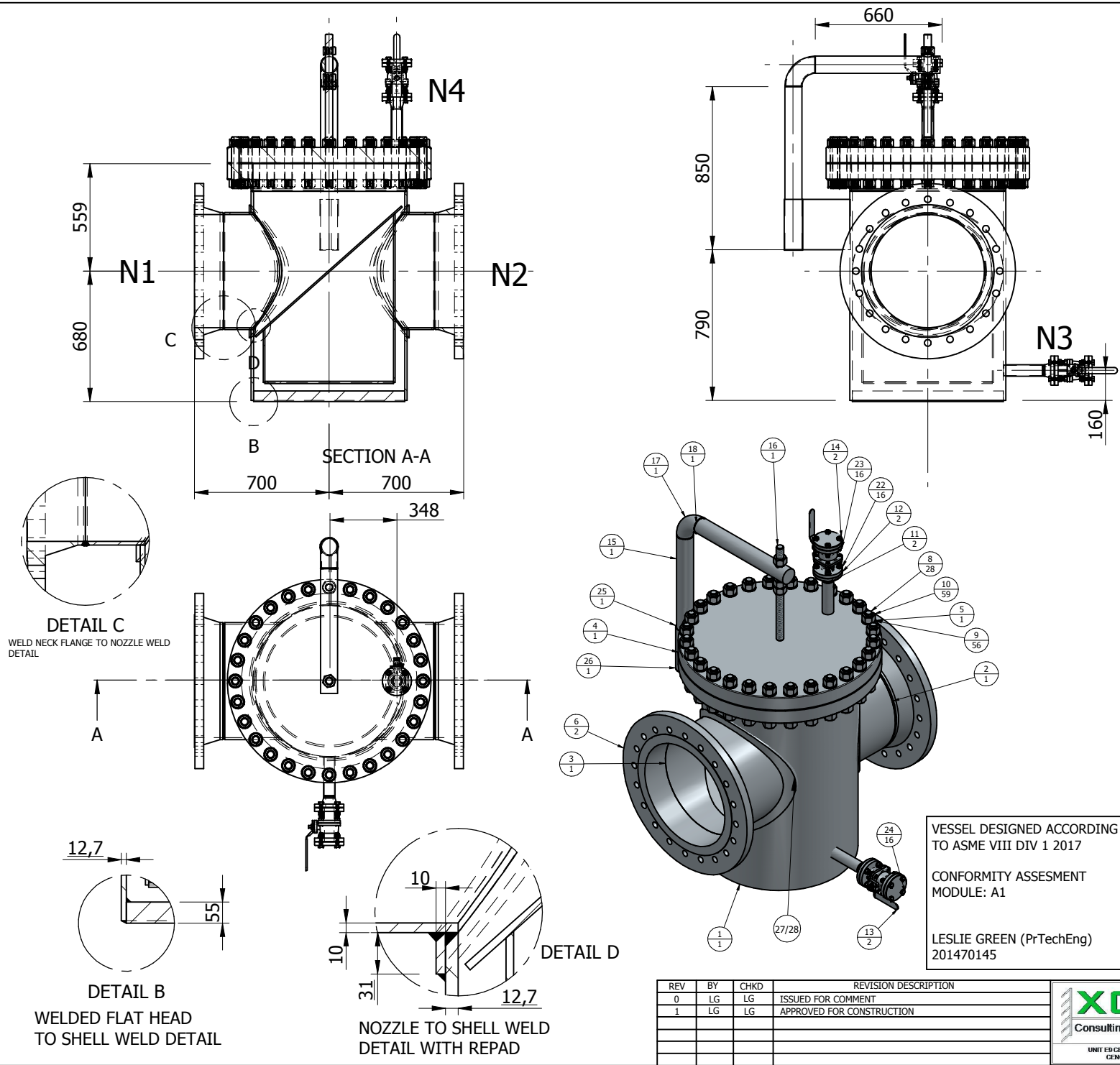


Item Number	Title	Quantity
1	24m3 Top Hopper	1
2	9m3 Bottom Hopper	1
3	Hopper Frame	1
4*	Feed Chute	1
5	CBS Feeder Asm	1
6	9m 900mm conveyor	1
7	Feeder Frame	1
8	Catladder	1



REV	BY	CHKD	REVISION DESCRIPTION	NAME	DATE	TITLE:	REV
				CHECKED	LG	HOPPER AND CONVEYOT GA	0
				DRAWN	LG	A1 FOR INFORMATION	
				ENG APPR	LG	SCALE: WEIGHT:	





Item Number	Title	Quantity
1	Pipe_32" ASTM A106_sch20_1090mm	1
2	Pipe_24" ASTM A106_sch20_325mm	1
3	Pipe_24" ASTM A106_sch20_325mm	1
4	Flange_class_150_32" serie A_WeldNeck ASTM A105	1
5	Flange_class150_32" blank ASTM A105	1
6	Flange_class150_24" weldneck_Gr3.19 ASTM A105	2
7*	Welded Flat Head_d787_50mm_300WA / EN10025-2 S355JR	1
8	M39 Studbolt_280 long_SA-193 B7	28
9	M39 Washer	56
10	M39 Hex Nut_SA-193 B7	59
11	Pipe ASTM A106_2" sch 40_200mm	2
12	Flange_class 150_2" wn_rf ASTM A105	2
13	2" Flanged Ball Valve_class 150_RF ASTM A105	2
14	Flange_class150_blank_2"	2
15	Pipe ASTM A106_80nb_SCH40_850mm	1
16	M40 Threaded Bar_590mm	1
17	Elbow_80NB_sch40 ASTM A234 WBP	1
18	Pipe ASTM A106_80nb_SCH40_450mm	1
19*	Plate_262x246x10mm_300WA / EN10025-2 S355JR	1
20*	Strainer Assembly	1
21*	Gasket_32" KLINGER PSM_3mm	1
22	M16 Washer	16
23	M16 Hex Nut	16
24	M16 HEX Bolt_Gr 8.8_65mm	16
25	Pipe_90NB_SCH40 ASTM A 106	1
26	Cap D114.3x3 thick_300WA/EN10025-2 S355JR	1
27*	Reinforcing Pad_D690x31width_SA 106B	1
28*	Reinforcing Pad_D690x31width_SA 106B	1

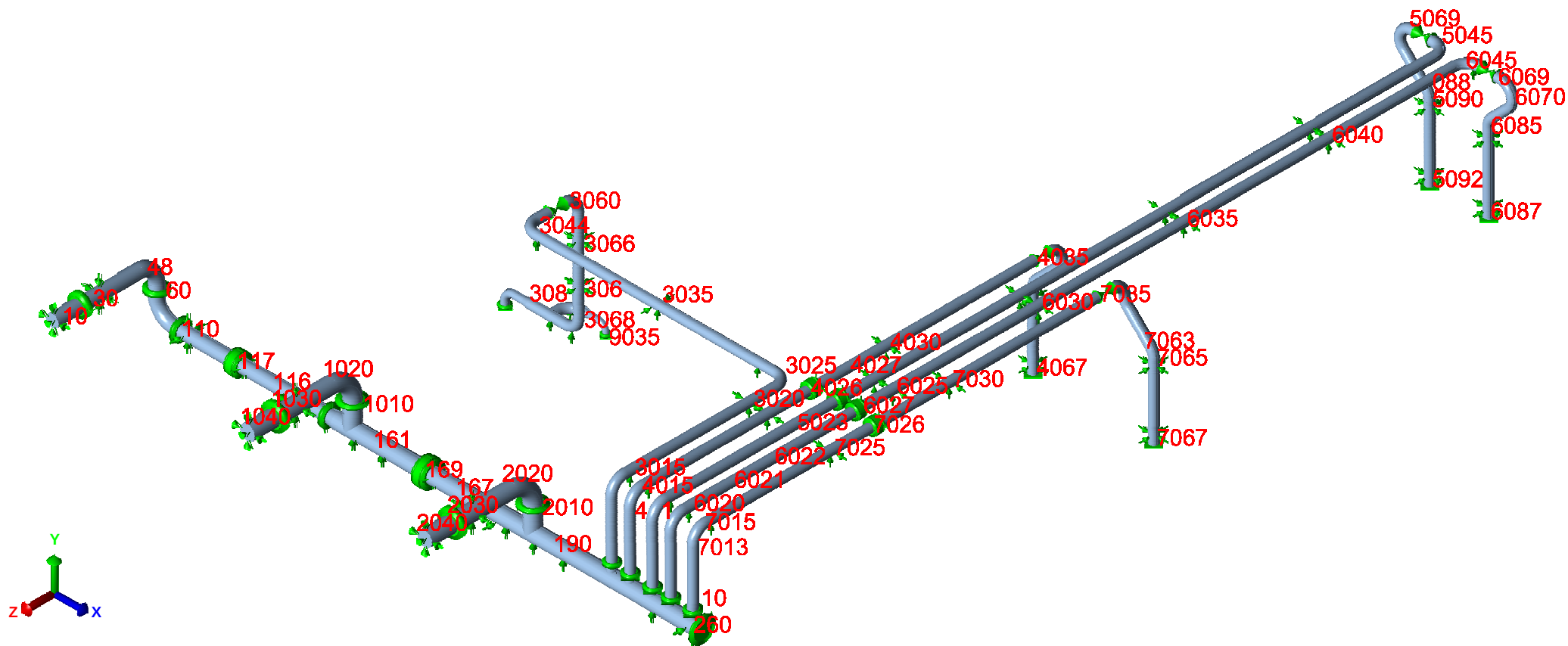
DESIGN DATA	
INSPECTION AUTHORITY	TUV RHEINLAND
DESIGN CODE	ASME VIII DIV 1: 2017(PER Q57)
DESIGN PRESSURE (Bar)	19
DESIGN VACUUM (Bar)	N/A
MAX WORKING PRESSURE (Bar)	19
OPERATING PRESSURE (Bar)	19
INITIAL TEST PRESSURE (Bar)	24
ROUTINE TEST PRESSURE (Bar)	24
TEST PROCEDURE	HYDRAULIC
DESIGN TEMPERATURE MAX (deg C)	40
DESIGN TEMPERATURE MIN (deg C)	5
CORROSION ALLOWANCE (mm)	3.25
CUBIC CAPACITY	486 LITRES
RADIOGRAPHY	YES
HAZARD CATEGORY (SANS 347)	CAT III
MEDIUM	CRUDE OIL

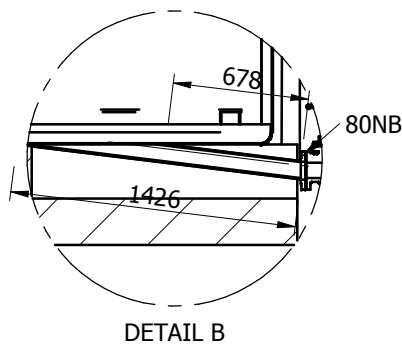
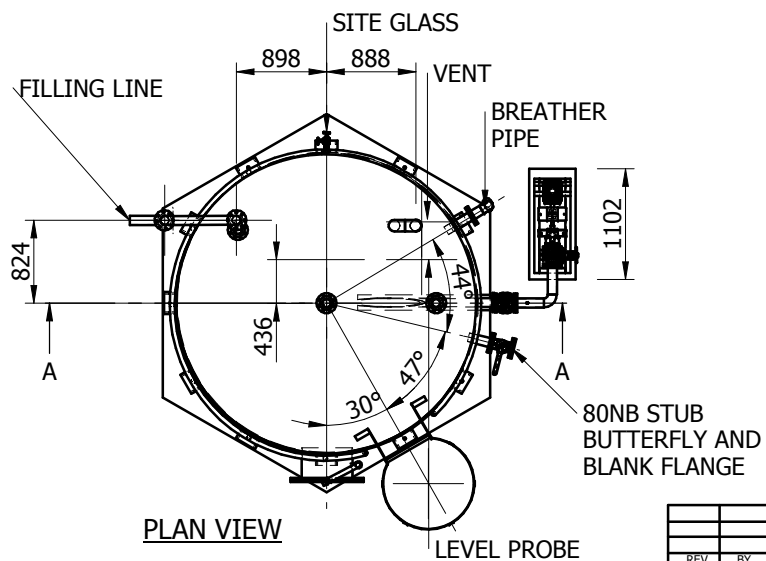
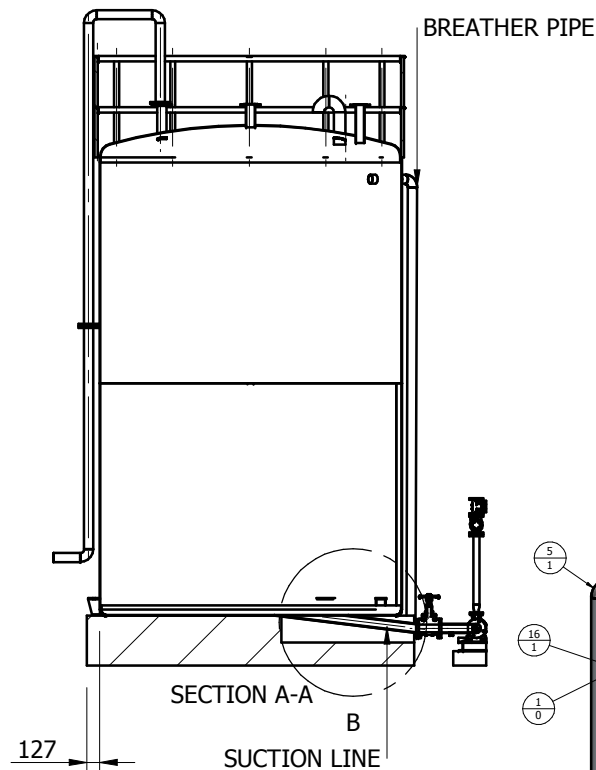
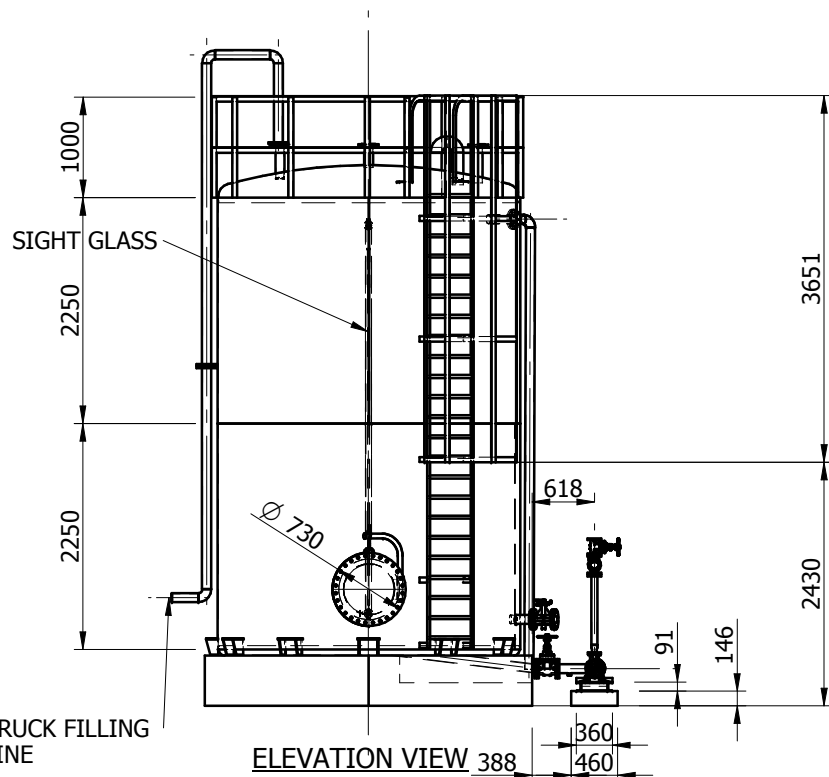
NOZZLE SCHEDULE						
Mark	Size	Wall thk	Type	Drilling to	Service	Qty
N1	24"	10	WELD	ANSI	Inlet	1
N2	24"	10	WELD	ANSI	Outlet	1
N3	2"	5.54	WELD	ANSI	Safety Valve	1
N4	2"	5.54	WELD	ANSI	Drain	1

REV	BY	CHKD	REVISION DESCRIPTION
0	LG	LG	ISSUED FOR COMMENT
1	LG	LG	APPROVED FOR CONSTRUCTION



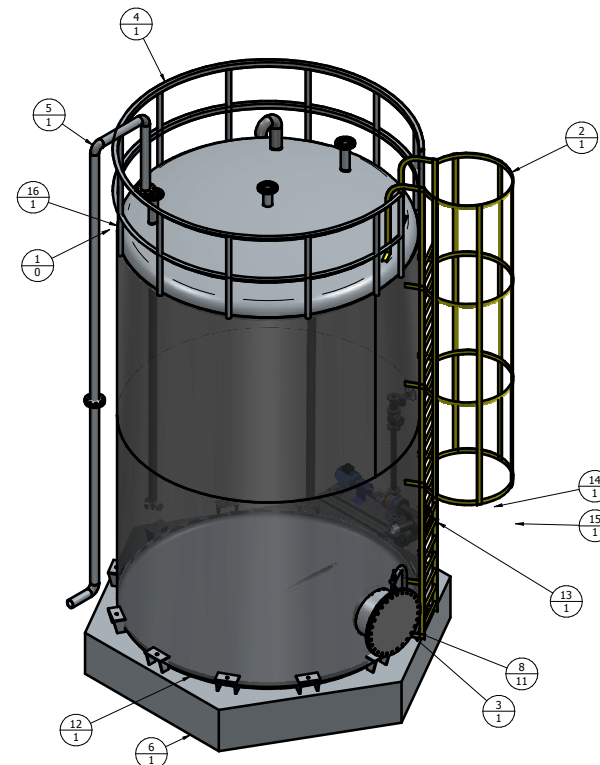
NAME	DATE	TITLE
CHECKED LG	19-06-18	32"x24" BASKET STRAINER
DRAWN LG		SIZE A1 FOR INFORMATION
ENG APPR LG		SCALE: WEIGHT:





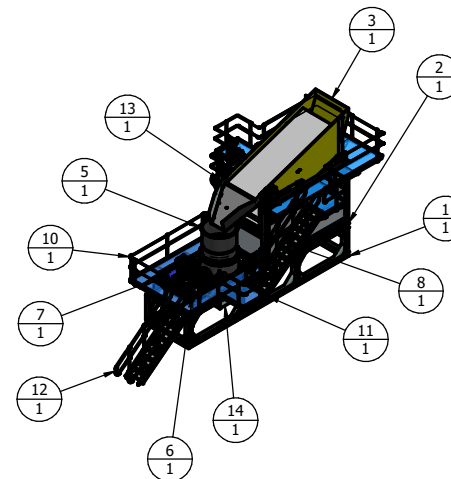
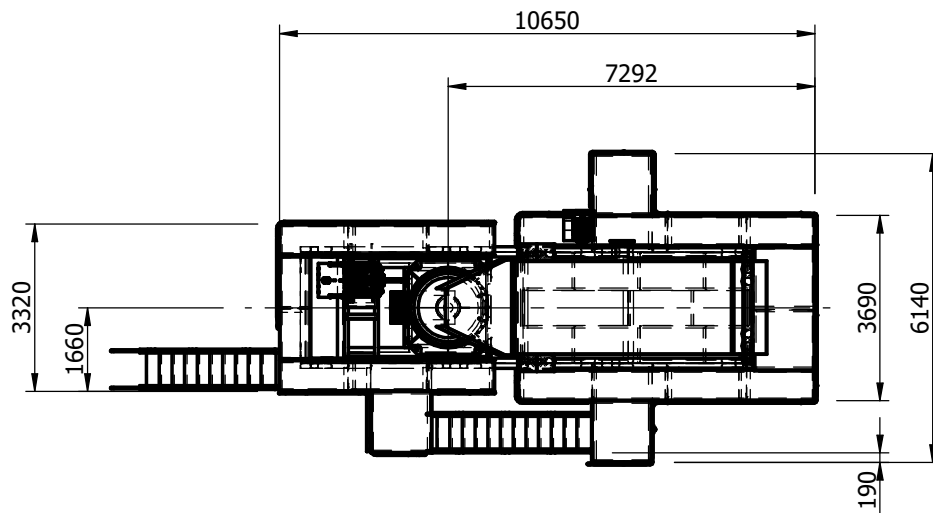
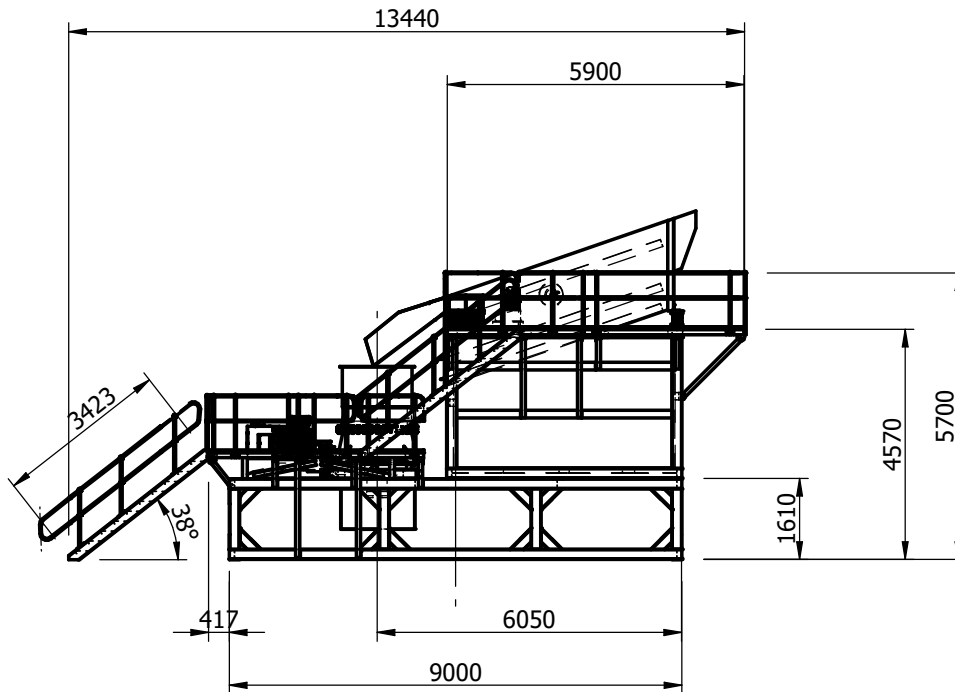
Item Number	Title	Quantity
1	Shell_D3000 x 4500 x 6mm_S355JR	1
2	Catladder_Commercial Steel	1
3	Nozzle_Manhole_600NB_A106 B	1
4	Roof Handrail_Commercial Steel	1
5	Inlet Pipe_80NB SCH10_A106B	1
6	Concrete Plinth	1
7*	Outlet Pipe_80NB_A106B	1
8	Anchor Bolt and Gusset	11
9*	BREATHING PIPE_80NB SCH10_A106B	1
10*	Site Glass Level Gauge	1
11*	Nozzle_80NB_A106B	1
12	Bottom Dish_S355JR	1
13	Nozzle_80NB_A106B	1
14		1
16	Roof Assembly	1

CORROCOAT PROTECTION INSIDE / OUTSIDE



REV	BY	CHKD	REVISION DESCRIPTION

Vacuum and Fluid Technology PVT LTD Vacuum Pumps & Pump Systems Piping and Structural Equipment for Water, Waste and Industry	CHECKED	LG	DATE	06-05-21	TITLE	CAUSTIC SODA TANK
	DRAWN	LG			SIZE	A1
	ENG APPR	LG			Job No.	VFT 10588
					FOR INFORMATION ONLY	REV 0
					SCALE:	WEIGHT:



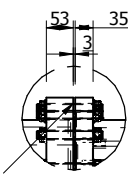
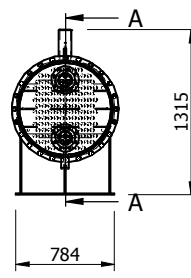
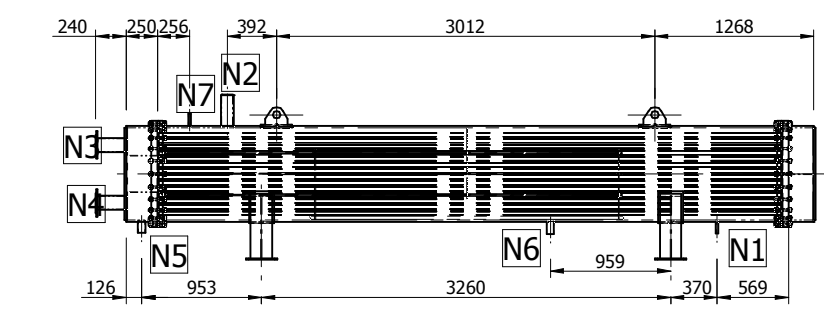
Item Number	File Name	Quantity
1	Crusher and Screen Support Frame	1
2	Screen Support Frame	1
3	6 x 16 Triple Deck Screen	1
5	CH430 Secondary Crusher	1
7	315S_M_TOP_Motor	1
8	Underpan Bin	1
9*	Upper Walkway	1
10	Lower Walkway	1
11	38 Degree Stairs	1
12	Lower 38 Degree Stairs	1
13	Crusher Feed Chute	1
14	Direck Crusher Chute	1

L.G	CH430 Main Assy	05:03:19	0
APPROVED	DESCRIPTION	DATE	REV
REVISION HISTORY			

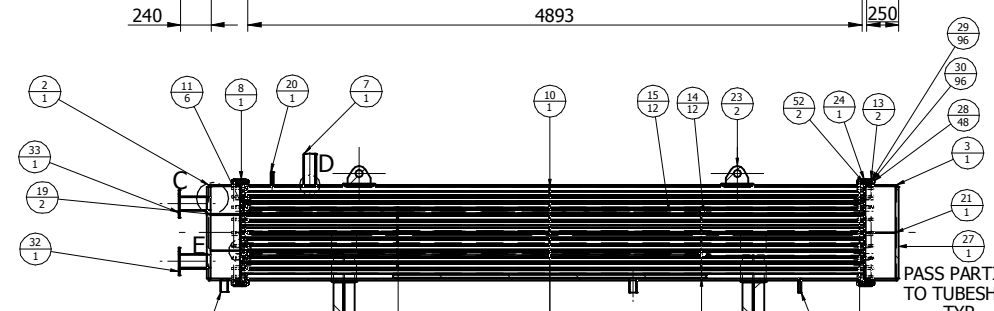
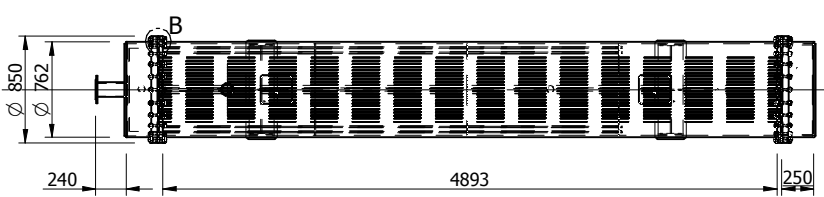


29 Skaamrosie St
Protea valley
Bellville

Client:	Order No.	Scale:
Drawn: R.H	Date: 05:03:19	Client Dwg No.
Drawing No.	Revision	
	0	

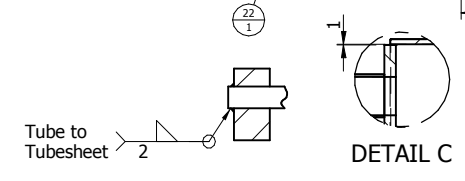


GASKET THICKNESS 3,17mm
DETAIL B

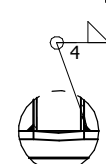


SECTION A-A

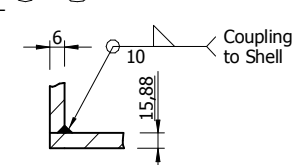
PASS PARTITION PLATE TO TUBESHEET
TYP



DETAIL C



DETAIL D



DETAIL E

VESSEL DESIGNED ACCORDING
TO PD5500 2018 CATIII

CONFORMITY ASSESMENT
MODULE: B+C1

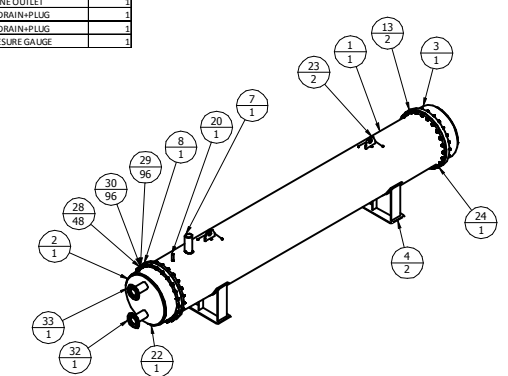
LESLIE GREEN (PrTechEng)
201470145

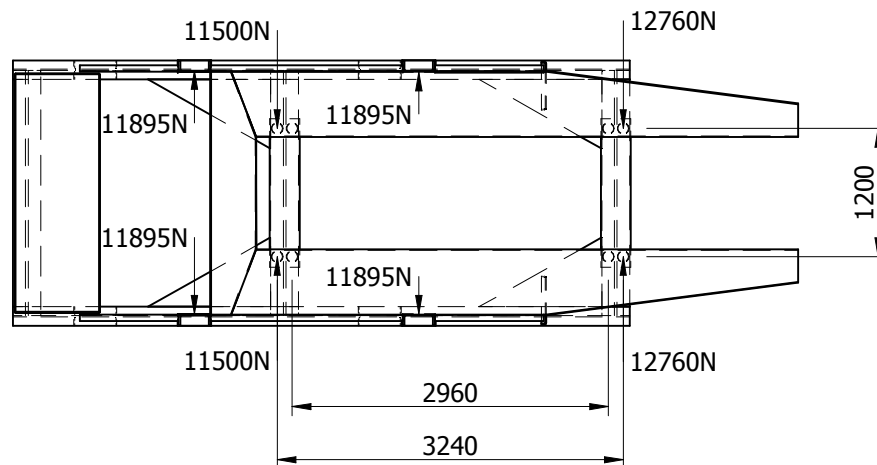
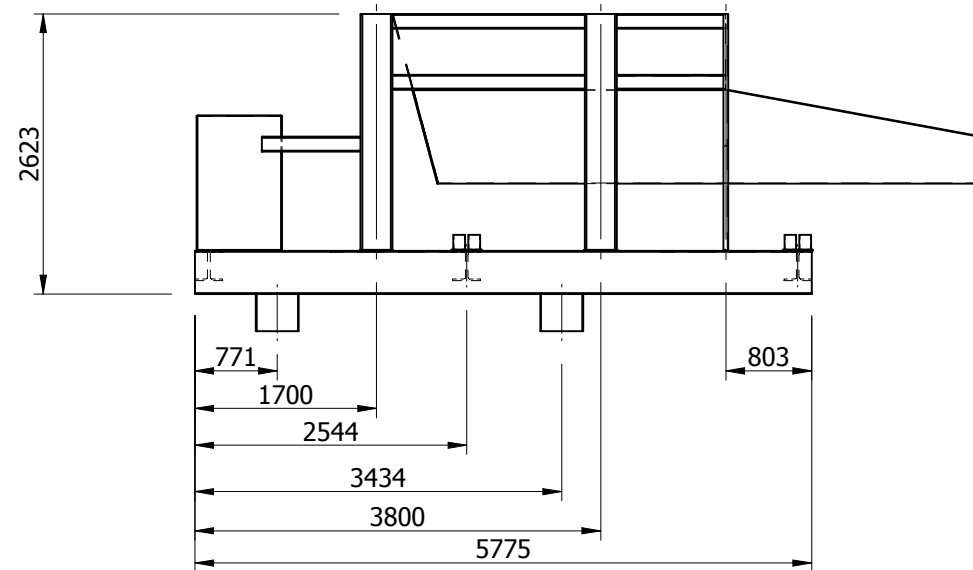
REV	BY	CHKD	REVISION DESCRIPTION
1	R.H	L.G	CHANNELS BROUGHT TO 250mm



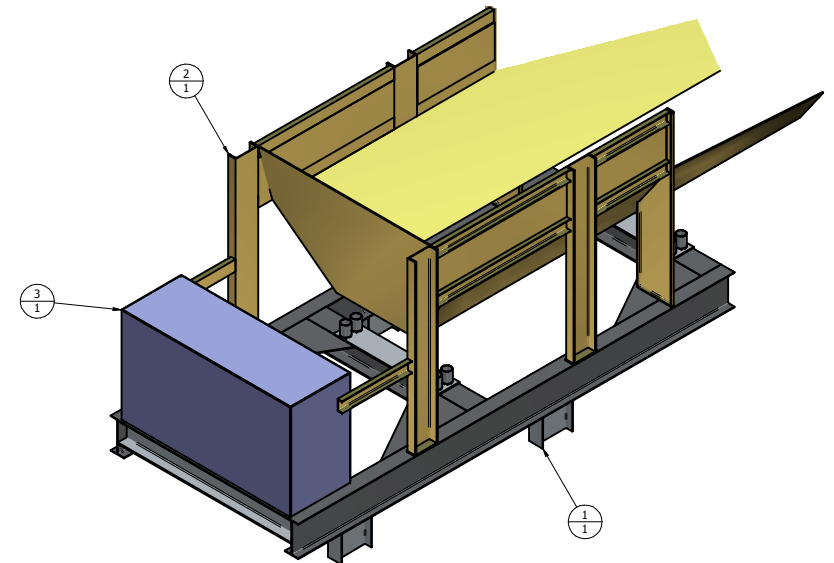
NAME	DATE	TITLE
CHECKED L.G		SHELL AND HEAT EXCHANGER
DRAWN R.H		FOR APPROVAL
ENG APPR L.G		

Item Number	Title	Quantity
1	Pipe_750NB_Sch30_4890mm_A 106B/ API 5LB	1
2	Pipe_750NB_Sch30_250mm_A 106B/ API 5LB	1
3	Pipe_750NB_Sch30_250mm_A 106B/ API 5LB	1
4	SADDLE_P355GH	2
7	N2 AMMONIA OUTLET NOZZLE_4"(100NB)_3000lb_A106B	1
8	TUBESHEET 35mm THK_LEFT SIDE_A-516 70	1
9*	BAFFLE BOTTOM PLATE_A-516 70	2
10*	BAFFLE TOP PLATE_A-516 70	1
11*	M10 TIE ROD_3660mm_BMS	6
12*	TUBE_OD 33.4_BWG 11_wt 3.38_4993mm_A 106B	136
13	750mm BODY FLANGE_A516 Gr 70	2
14*	M10 HEX NUT	12
15*	SPACER_10NB OD17.2 WT 2.87_1204mm_A 106	12
16*	SPACER_10NB OD17.2 WT 2.87_1200mm_A 106	6
17*	BAFFLE STIFFENERS_SABS 62	1
18*	WELDED FLAT HEAD_PLATE 25mm THK OD 729mm_P355 NH	1
19*	PASS PARTITION PLATE LEFT_662x217x6mm_A-516 70	2
20	N7 PRESSURE GAUGE HALF COUPLING 1/2" 6000lb_A106B	1
21*	PASS PARTITION PLATE RIGHT_727x257x6mm_A-516 70	1
22	N5 TUBE SIDE DRAIN + PLUG_2"(50NB)_3000lb_A106B	1
23	LIFTING LUG_P355GH	2
24	TUBESHEET 35mm THK_RIGHT SIDE OD 850mm_A-516 70	1
26*	N1 AMMONIA INLET COUPLING_1 1/4" (32NB)_3000lb_A106B	1
27*	WELDED FLAT HEAD_PLATE 25mm THK OD 729mm_P355 NH	1
28	STUD BOLT M16 x 135mm_SA 193-B7	48
29	Washer M16	96
30	M16 NUT_SA 193-B7	96
31*	GASKET_OD790xD762_3.17mm_SF 5000 COMPRESSED FIBRE SHEET GASKET CARBON ARAMID NBR	2
32	N4 BRINE OUTLET_4"(100NB)-SCH120_A106B	1
33	N3 BRINE INLET_4"(100NB)-SCH120_A106B	1
34	N6 SHELL SIDE DRAIN + PLUG 2"(50NB)_3000lb_A106B	1

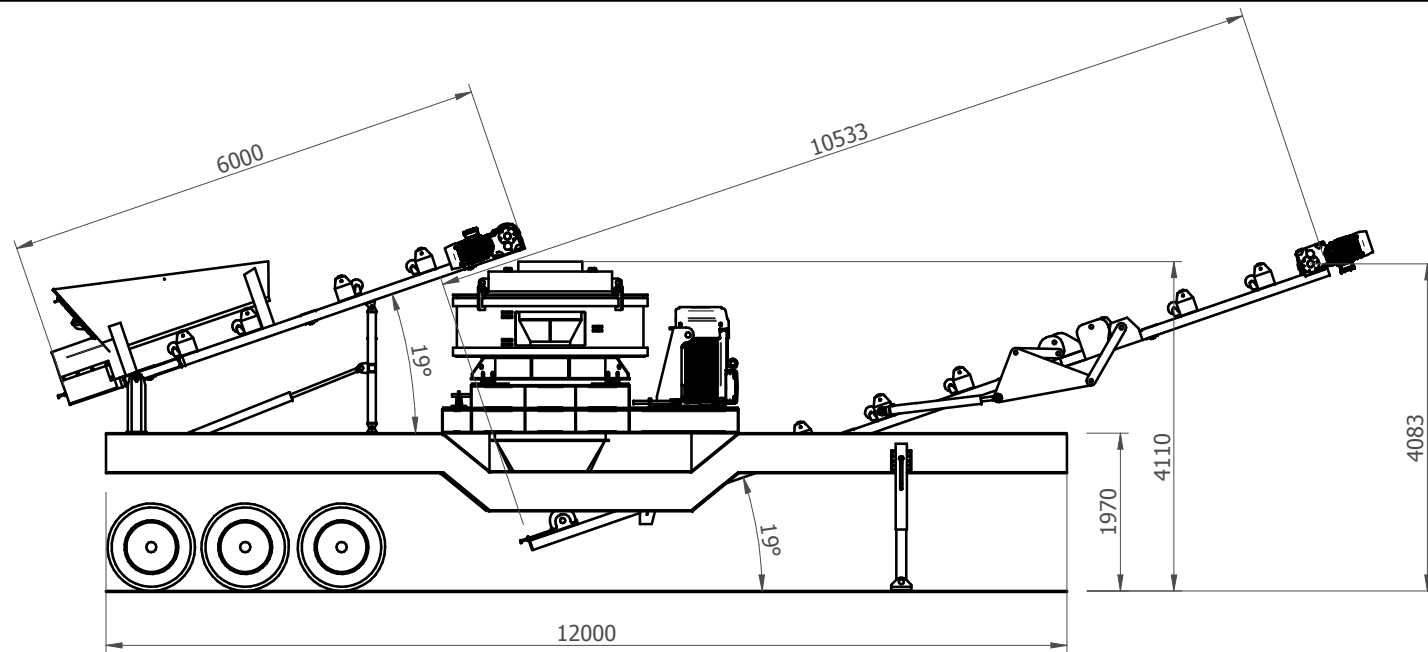




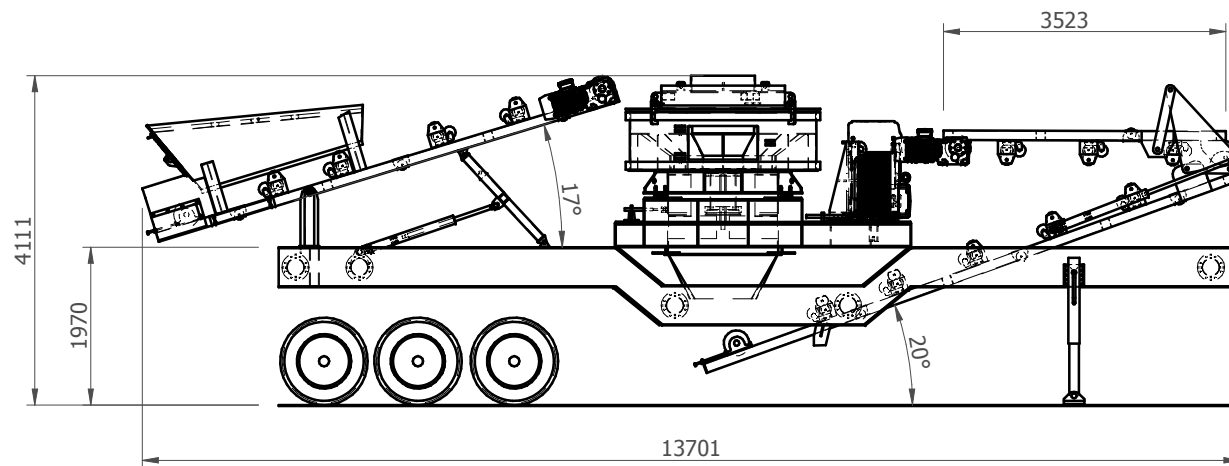
Item Number	File Name (no extension)	Author	Quantity
1	Melting Charge Hopper Support Frame	User	1
2	Melting Charge Hopper Bin	User	1
3	Box	User	1



REV	BY	CHKD	REVISION DESCRIPTION	NAME	DATE	TITLE	REV
				CHECKED	LG	14-11-18	
				DRAWN	LG		
				ENG APPR	LG		
						SCALE:	WEIGHT:



OPERATING MODE

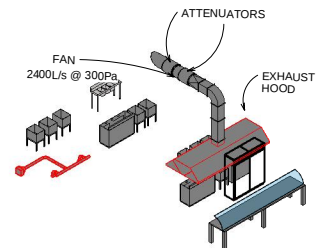
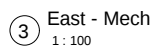
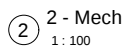
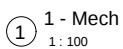


TRANSPORT MODE

REV	BY	CHKD	REVISION DESCRIPTION
0	RYAN	L.GREEN	FOR INFORMATION



NAME	DATE	TITLE
CHECKED L.GREEN		PORTABLE OREMASTER CRUSHER
DRAWN RYAN		SIZE A1 FOR INFORMATION
ENG APPR		REV 0
SCALE:	WEIGHT:	



Consultant
Address
Address
Phone
Fax
e-mail

Consultant
Address
Address
Phone
Fax
e-mail

Consultant
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Phone
Fax
e-mail

Consultant
Address
Address
Phone
Fax
e-mail

MEGHNA
FISHERIES
PAROW

EXTRACT VENTILATION

Project number	103
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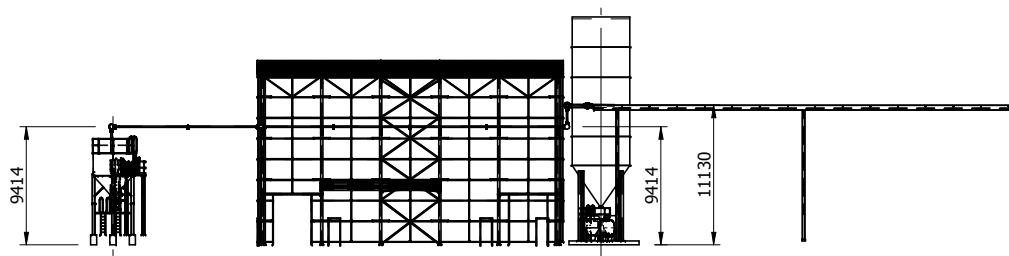
Date 20 August 21

Drawn by LG

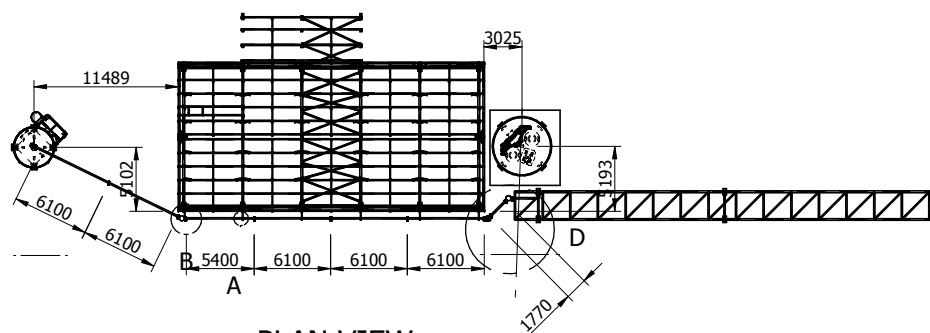
Checked by	LG
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A106 Parow

Scale	1 : 100
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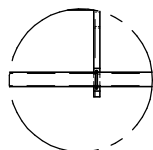


ELEVATION VIEW

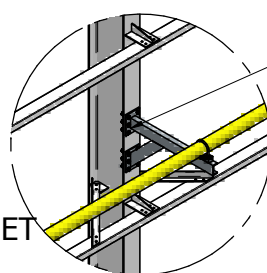


PLAN VIEW

SCALE: 1:200



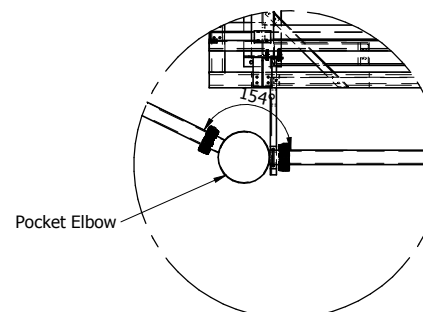
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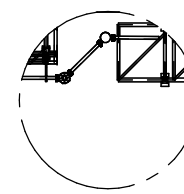
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SUPPORT
ARRANGEMENT

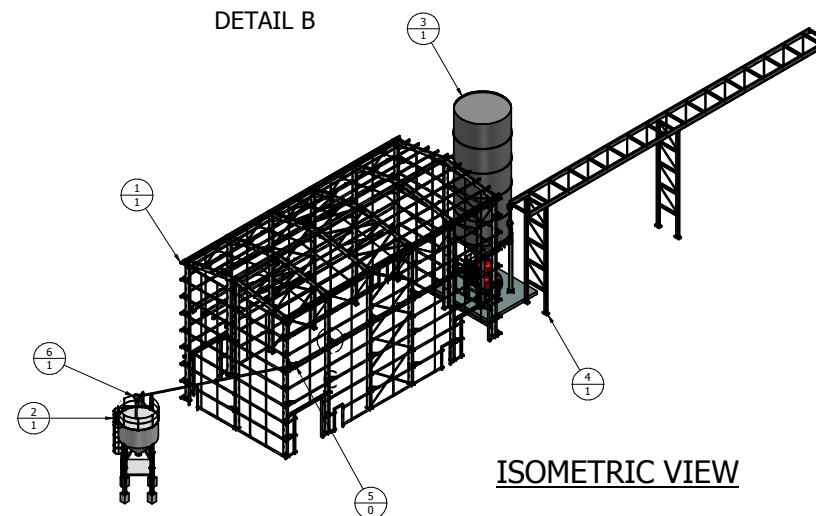
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Pipe Support Bracket
fixed to existing
columns



DETAIL B



DETAIL D

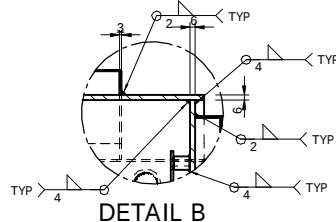
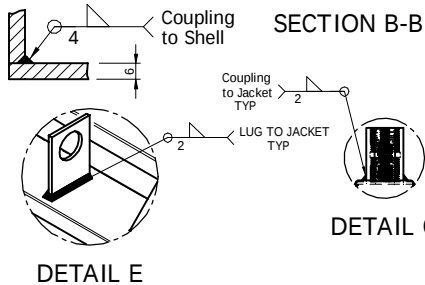
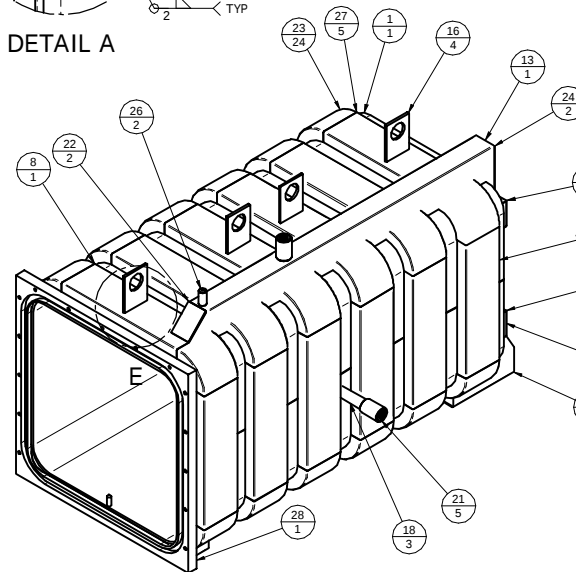
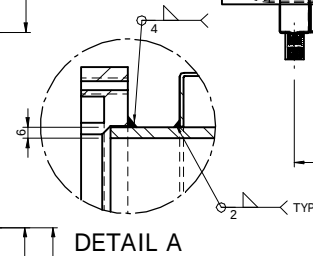
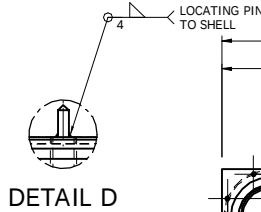
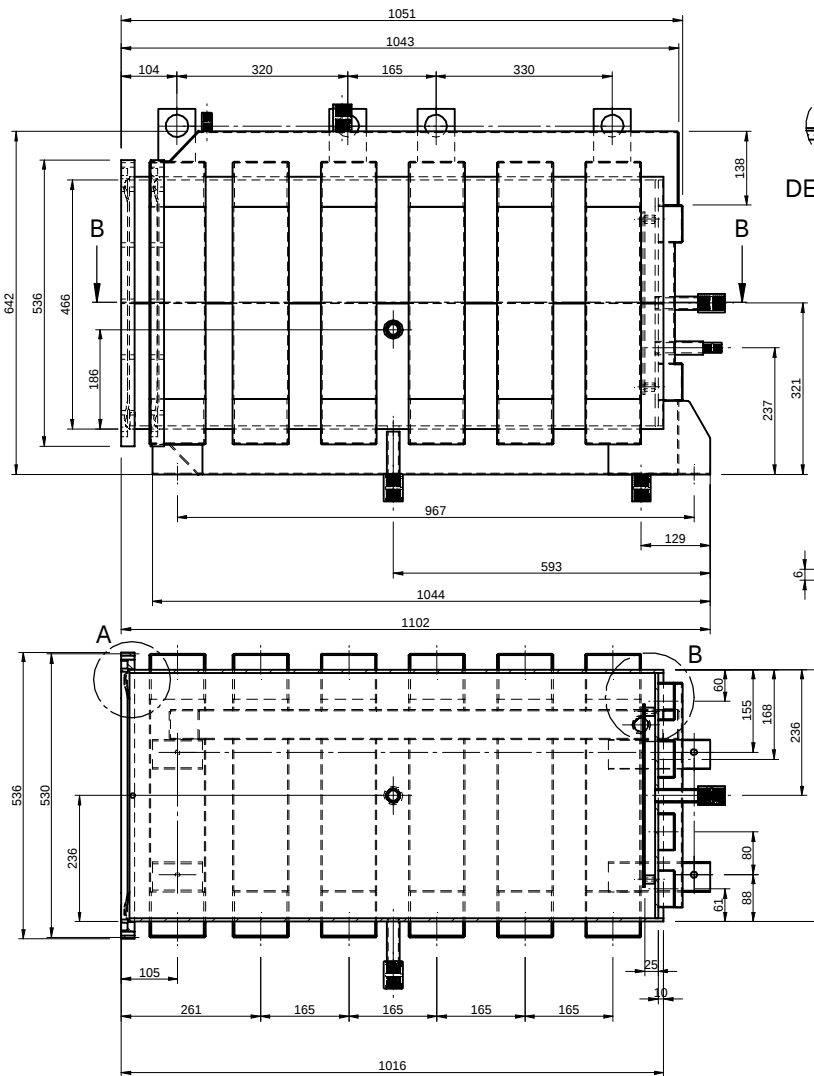


ISOMETRIC VIEW

Item Number	Title	Quantity
1	Sand Dryer Plant	1
2	LFE Silo	1
3	Silo	1
4	Pipe Bridge	1
6	Rerouted Sand Blower Line	1

REV	BY	CHKD	REVISION DESCRIPTION

 UNIT 10 CENTURY SQUARE GEMMANY CITY	CHECKED	NAME	DATE	TITLE: SAND PLANT LAYOUT LINE REROUTE	REV
	DRAWN	LG	151020	FOR INFORMATION	0
	ENG APPR			SCALE:	WEIGHT:



VESSEL DESIGNED ACCORDING
TO PD5500 2018

CONFORMITY ASSESMENT
MODULE: A1

LESLIE GREEN (PrTechEng)
201470145

Item Number	Title	Quantity
1	Vessel Body_LDX 2101	1
2*	Plate_342x342x3mm_LDX 2101	1
3*	Plate_460x460x6mm_LDX 2101	1
4*	Bush_d16_M8_20mm_LDX 2101	4
5*	Condensat Drain Jacket_LDX 2101	1
6	Channel_105x29x2.5_360mm_LDX 2101	12
7*	Channel_105x29x2.5_360mm_LDX 2101	1
8	Channel_105x29x2.5_360mm_LDX 2101	1
9	Channel_70x45x2.5_419mm_LDX 2101	1
10	Channel_70x3x2.5_363mm_LDX 2101	2
11*	Channel_70x31x2.5_226mm_LDX 2101	2
12	Channel_70x45x2.5_419mm_LDX 2101	1
13	Main Steam Jacket Rib_LDX 2101	1
14*	Channel_105x29x2.5_283mm_LDX 2101	5
15*	Channel_105x29x3_19mm_LDX 2101	5
16	Lifting Lug_SS 316 L	4
17*	Front Mount_SS 316 L	2
18	3/4" SCH10 PIPE_80mm_SS 316 L	3
19*	3/4" SCH10 PIPE_90mm_SS 316 L	1
20	Back Mount_SS 316 L	2
21	FORGED COUPLING THREADED 15NB BS 3799_SS 316 L	5
22	Plate_79x53_3mm_LDX 2101	2
23	Corner Channel_LDX 2101	24
24	Main Steam Jacket Back_LDX 2101	2
25*	Main Steam Jacket End Plate_LDX 2101	2
26	FORGED COUPLING THREADED 8NB BS 3799_SS 316 L	2
27	Channel_105x29x2.5_304mm_LDX 2101	5
28	Front Ring_SS 316 L	1
29*	Locating Pin_SS 316 L	1

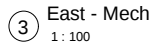
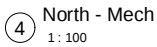
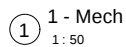
DESIGN DATA	
INSPECTION AUTHORITY	TUV RHEINLAND PER 057
DESIGN CODE	PD5500 2018
CORROSION ALLOWANCE (mm)	0
CUBIC CAPACITY	m ³
RADIOGRAPHY	SPOT
HAZARD CATEGORY (SANS 347)	CAT II
MEDIUM	WATER/ AIR/ STEAM
PWHT	NO

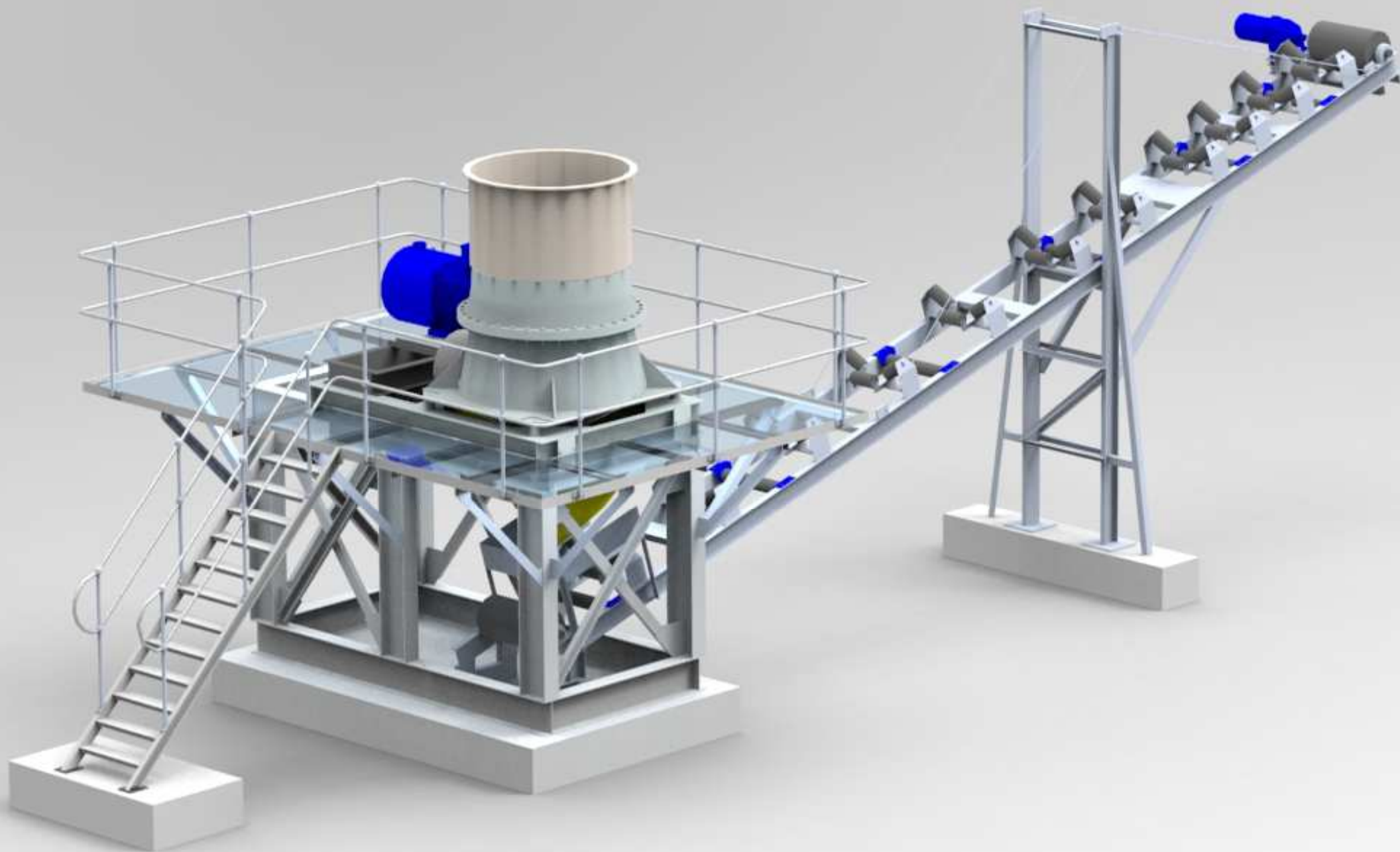
DESCRIPTION	CHAMBER	JACKET
DESIGN PRESSURE	kPa	265/-100
DESIGN TEMPERATURE MIN/MAX °C	0/140	0/140
OPERATING PRESSURE	kPa	220
OPERATING TEMPERATURE	°C	134
TEST PRESSURE	kPa	370
CAPACITY	CUBIC.M	.2

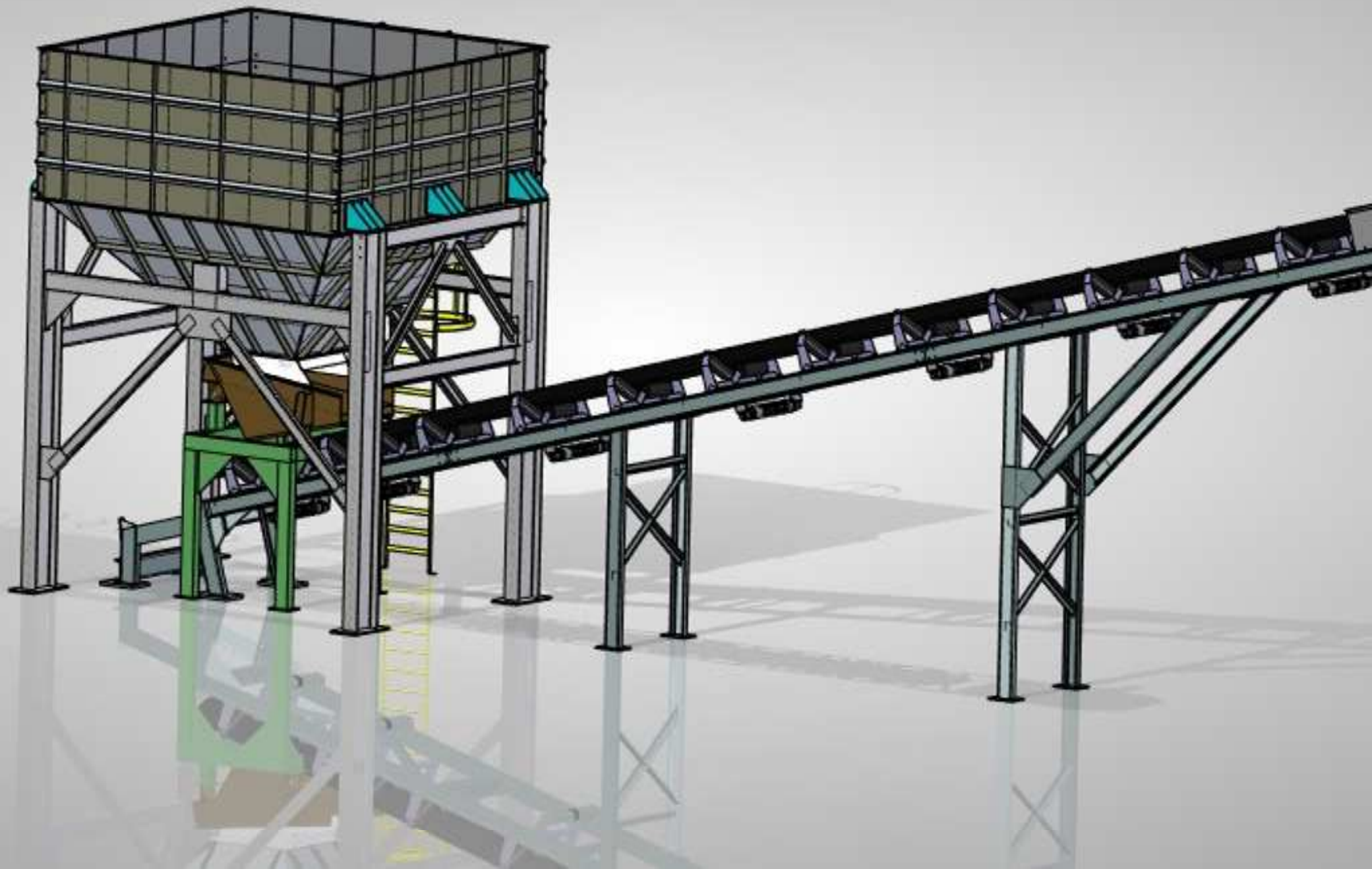
REV	BY	CHKD	REVISION DESCRIPTION
0	R.H	L.G	

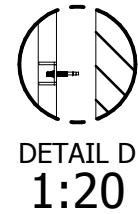
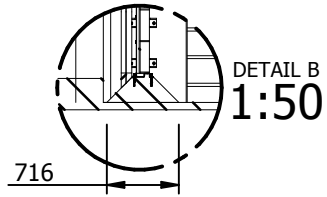
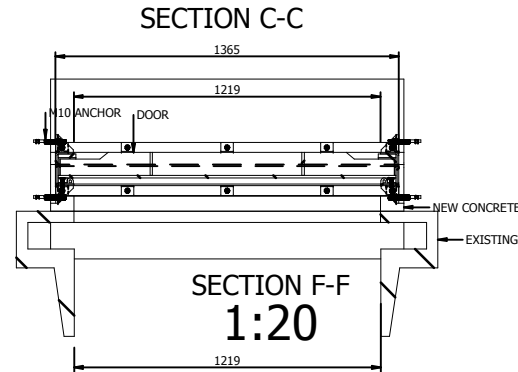
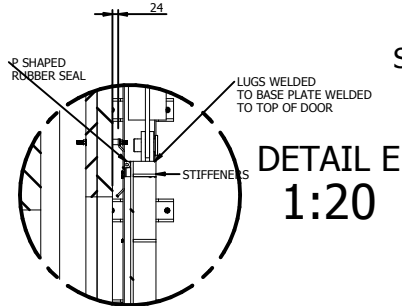
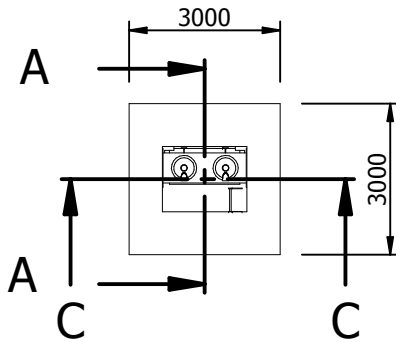
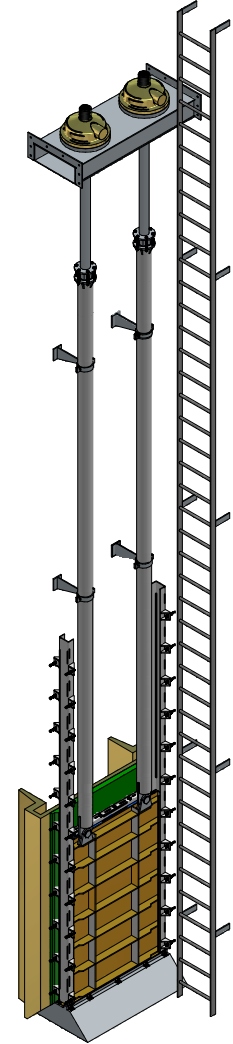
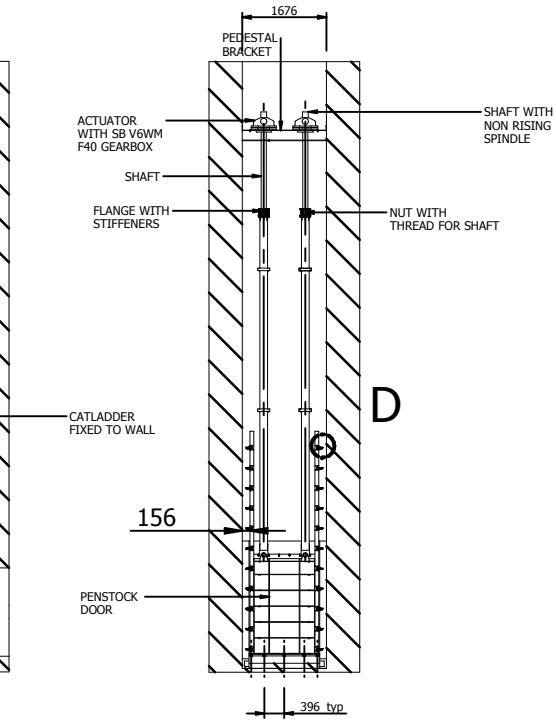
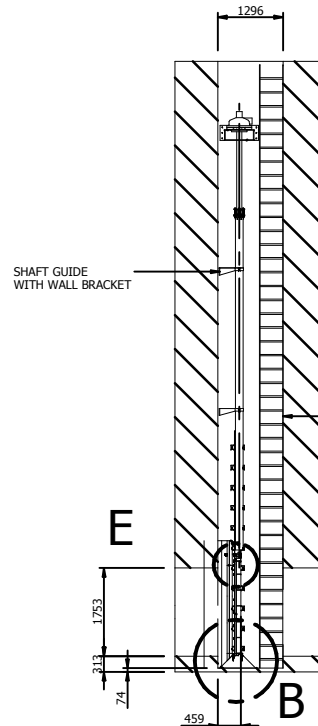
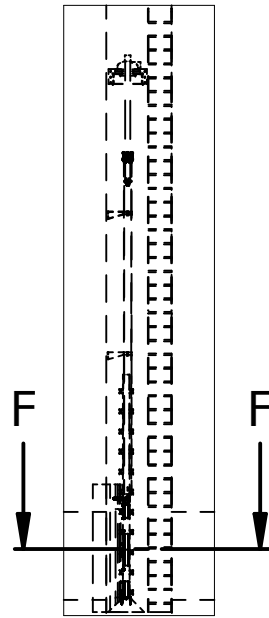
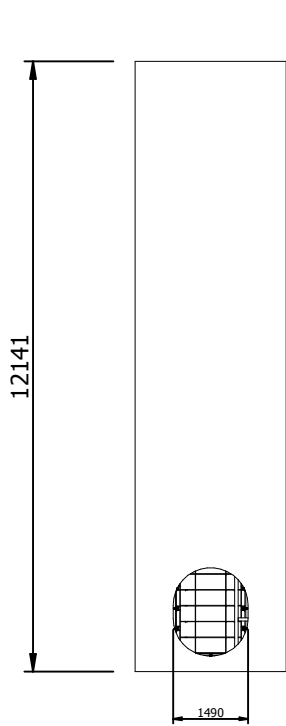


CHECKED	NAME	DATE	TITLE	REV
L.G	R.H	29.10.19	Autoclave 200liter Assembly	0
DRAWN	R.H		SCALE:	WEIGHT:
ENG APPR	L.G	29.10.19		



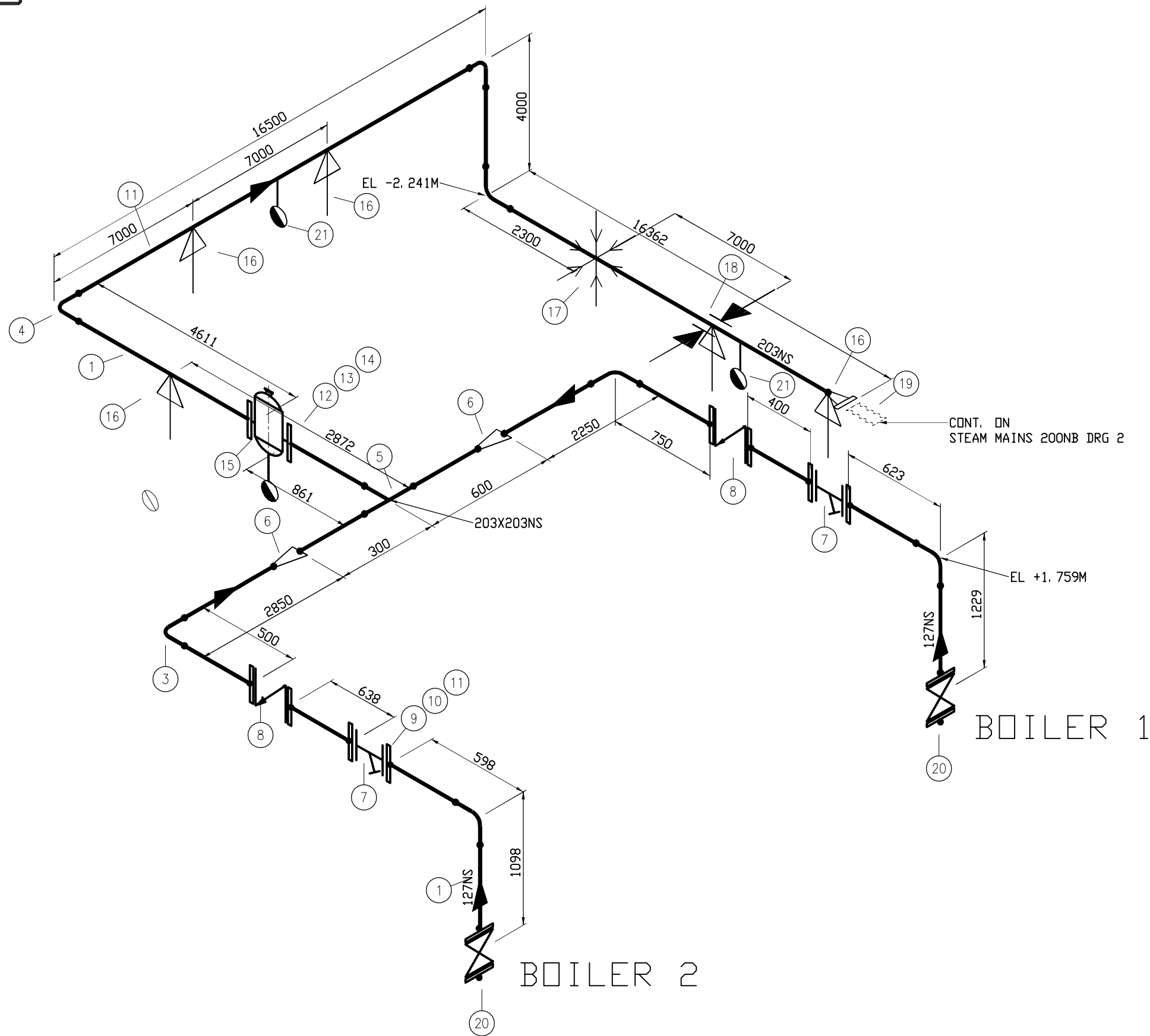
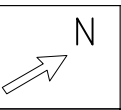






APPROVED	DESCRIPTION	DATE	REV
REVISION HISTORY			

TITLE: PENSTOCK GA		
A3		
Client:	Order No.	Scale:
Drawn:	Date:	Client Dwg No.
Drawing No.	Revision	
FOR INFORMATION ONLY		



ITEM	QTY	DESCRIPTION
1	12m	PIPE, SEAMLESS, PE, ASME B36. 1, ASTM A106 GRB 150NB SCH 40.
2	45m	PIPE, SEAMLESS, PE, ASME B36. 1, ASTM A106 GRB 200NB SCH 40.
3	4	ELBOW, 90 LR, BW, ASME B16. 9 ASTM 234 GR WPB SMLS 150NB SCH40
4	3	ELBOW, 90 LR, BW, ASME B16. 9 ASTM 234 GR WPB SMLS 200NB SCH40
5	1	TEE, BW, ASME B16. 9, ASTM A234 200NB
6	2	REDUCER ECCENTRIC BW ASME B16. 9, ASTM A 234, 150X200 SCH40
7	2	FLANGED STRAINER 150NB 300LB
8	2	CHECK VALVE SWING, 300LB, BW, ASME B16. 1, ASTM A216, GR WPB, 150NB
9	8	FLANGE SORF ASME B16. 5 150NB 300LB
10	8	GASKET, SWG, 3mm THK, 300LB, ASME B16. 20 CS/PTFE, 150NB
11	96	STUD BOLTS, M20X120 LONG, FOR FLANGE 15NB ASME B16. 5
12	12	FLANGE SORF ASME B16. 5 200NB 300LB
13	12	GASKET, SWG, 3mm THK, 300LB, ASME B16. 20 CS/PTFE, 200NB
14	12	STUD BOLTS, M24X140 LONG, FOR 200NB FLG ASME B16. 5
15	1	STEAM SEPERATOR 200NB, 300LB FLANGED CONNECTION
16	4	PIPE SUPPORT SIMPLE RESTING
17	1	PIPE SUPPORT ANCHOR
18	1	PIPE SUPPORT GUIDE
19	1	EXPANSION JOINT 200NB X 500mm
20	2	GATE VALVE FLANGED 300LB RF ASME B16. 1
21	2	STEAM TRAP SET

TÜV Rheinland

TUV JOB NO: 52076125

DATE: 02/06/2022

SIGN:

STATUS:

A ☒ B ☐ C ☐ I/O ☐

ACTIVITY: DESIGN ☒ WELDING ☐

DESIGN REF: XGM/RH/02-06-22-1

QA/WELDING REF:

A - PROCEED

B - PROCEED, CHANGE AS NOTED & RESUBMIT

C - DO NOT PROCEED, CHANGE AS NOTED & RESUBMIT

I/O - NOT REVIEWED, FOR INFORMATION ONLY

Approval of this document does not imply approval of related documents.

Authorisation to proceed does not relieve the contractor/vendor of his responsibility or liability under the contract/purchase order.

DESIGN CODE:

B31.3 2020

CONFORMITY ASSESMENT

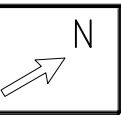
MODULE: A

SANS 347 HAZARD CAT: 1

LESLIE GREEN (PrTechEng)

201470145

FOR CONSTRUCTION CONTRACTOR TO VERIFY DIMENSIONS ON SITE PRIOR TO FABRICATION AND INSTALLATION				PIPING SPEC.	CS300LB	OP. TEMP.	205 DegC	ASPEN STEAM MAINS		REV.	2
				INSULATION SPEC.	ROCKWOOL	RADIOGRAPY	10%			DRG.	1 OF 3
				INSULATION THKS.	25mm	SYSTEM					
				TEST PRESSURE	22.5 BAR	AREA					
		18 MAY 2022	THIS DRAWING IS THE PROPERTY OF XGM LTD AND MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE COMPANY	MATERIAL	ASTM106 B	DRAWN BY	LG	PIPELINE REFERENCE			
REV.	CHANGE	DATE		OP. PRESSURE	15 BAR	E.L.DIAGRAM					



TÜV Rheinland

TUV JOB NO: 52076125

DATE: 02/06/2022

STATUS: A ☒ B ☐ C ☐ I/O ☐

ACTIVITY: DESIGN ☒ WELDING ☐

A - PROCEED B - PROCEED, CHANGE AS NOTED & RESUBMIT C - DO NOT PROCEED, CHANGE AS NOTED & RESUBMIT I/O - NOT REVIEWED, FOR INFORMATION ONLY

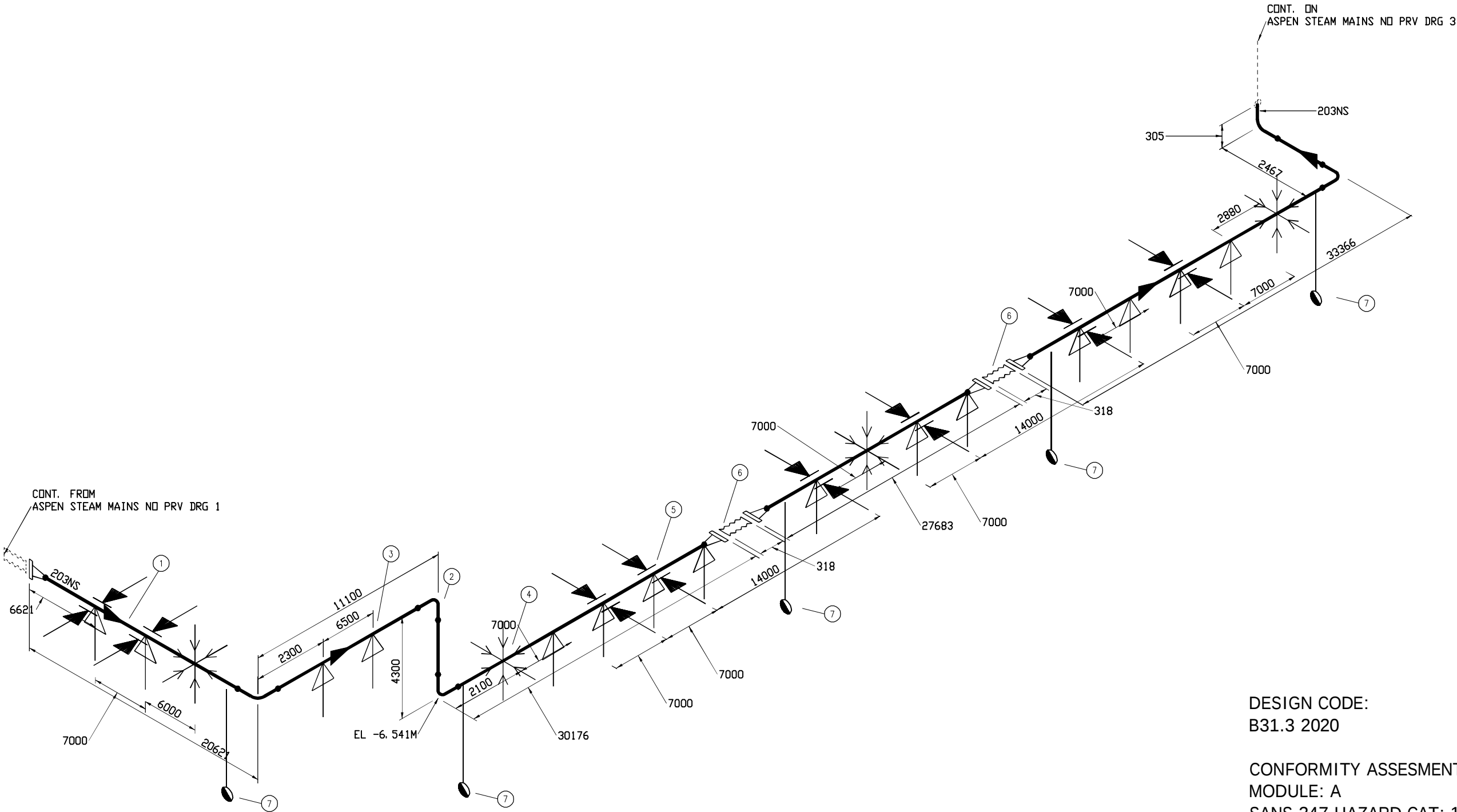
Approval of this document does not imply approval of related documents. Authorisation to proceed does not relieve the contractor/vendor of his responsibility or liability under the contract/purchase order.

SIGN:

DESIGN REF: XGM/RH/02-06-22-1

QA/WELDING REF:

ITEM	QTY	DESCRIPTION
1	134m	PIPE, SEAMLESS, PE, ASME B36.1, ASTM A106 GRB 200NB SCH 40.
2	5	ELBOW, 90 LR, BW, ASME B16.9 ASTM 234 GR WPB SMLS 150NB SCH40
3	7	PIPE SUPPORT SIMPLE RESTING
4	4	PIPE SUPPORT ANCHOR
5	8	PIPE SUPPORT GUIDE
6	2	EXPANSION JOINT 200NB X 500mm
7	5	TRAP SET



DESIGN CODE:
B31.3 2020

CONFORMITY ASSESMENT
MODULE: A
SANS 347 HAZARD CAT: 1
LESLIE GREEN (PrTechEng)
201470145

FOR CONSTRUCTION
CONTRACTOR TO VERIFY DIMENSIONS ON SITE
PRIOR TO FABRICATION AND INSTALLATION

PIPING SPEC.	CS300LB	OP. TEMP.	205 DegC
INSULATION SPEC.	ROCKWOOL	RADIOGRAPHY	10%
INSULATION THKS.	25mm	SYSTEM	
TEST PRESSURE	22.5 BAR	AREA	
MATERIAL	ASTM106 B	DRAWN BY	LG
OP. PRESSURE	15 BAR	E.L.DIAGRAM	

ASPEN STEAM MAINS

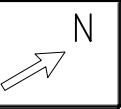
REV.
2

DRG.

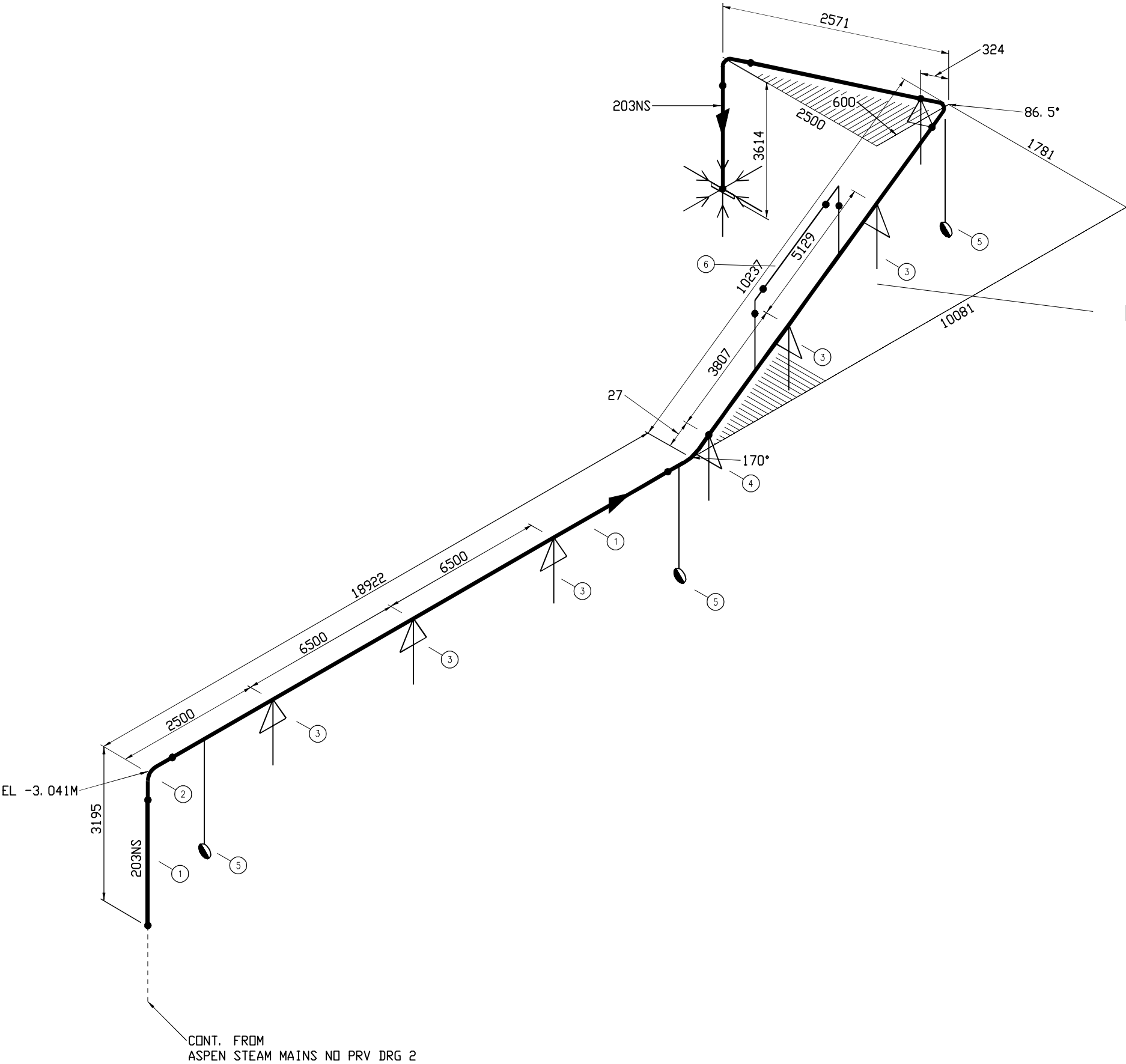
PIPELINE REFERENCE

2 OF 3

REV.	CHANGE	DATE	18 MAY 2022	THIS DRAWING IS THE PROPERTY OF XGM LTD AND MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE COMPANY



ITEM	QTY	DESCRIPTION
1	39m	PIPE, SEAMLESS, PE, ASME B36. 1, ASTM A106 GRB 200NB SCH 40.
2	4	ELBOW, 90 LR, BW, ASME B16. 9 ASTM 234 GR WPB SMLS 150NB SCH40
3	5	PIPE SUPPORT SIMPLE RESTING
4	2	ELBOW, 45 LR, BW, ASME B16. 9 ASTM 234 GR WPB SMLS 150NB SCH40
5	3	STEAM TRAP SET
6	1	PRV STATION



TÜV Rheinland

TUV JOB NO: 52076125

DATE: 02/06/2022

SIGN:

STATUS: A ☒ B ☐ C ☐ I/O ☐

ACTIVITY: DESIGN ☒ DESIGN REF: XGM/RH/02-06-22-1

WELDING ☐ QA/WELDING REF:

A - PROCEED B- PROCEED, CHANGE AS NOTED & RESUBMIT

C - DO NOT PROCEED, CHANGE AS NOTED & RESUBMIT

I/O - NOT REVIEWED, FOR INFORMATION ONLY

Approval of this document does not imply approval of related documents.

Authorisation to proceed does not relieve the contractor/vendor of his responsibility or liability under the contract/purchase order.

DESIGN CODE:
B31.3 2020

CONFORMITY ASSESMENT
MODULE: A
SANS 347 HAZARD CAT: 1
LESLIE GREEN (PrTechEng)
201470145

FOR CONSTRUCTION
CONTRACTOR TO VERIFY DIMENSIONS ON SITE
PRIOR TO FABRICATION AND INSTALLATION

PIPING SPEC.	CS300LB	OP. TEMP.	205 DegC
INSULATION SPEC.	ROCKWOOL	RADIOGRAPHY	10%
INSULATION THKS.	25mm	SYSTEM	
TEST PRESSURE	22.5 BAR	AREA	
MATERIAL	ASTM106 B	DRAWN BY	LG
OP. PRESSURE	15 BAR	E.L.DIAGRAM	

ASPEN STEAM MAINS

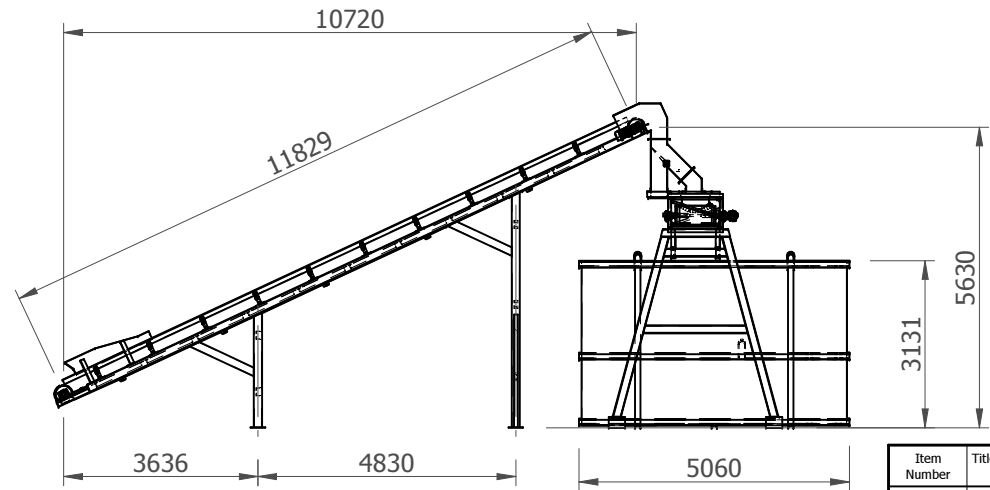
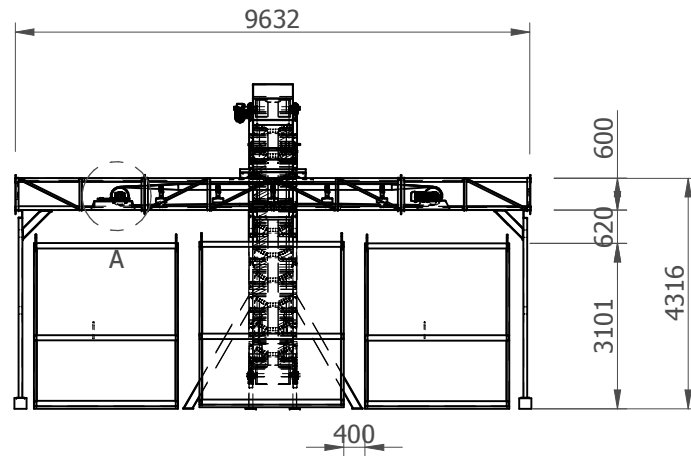
PIPELINE REFERENCE

REV.
2

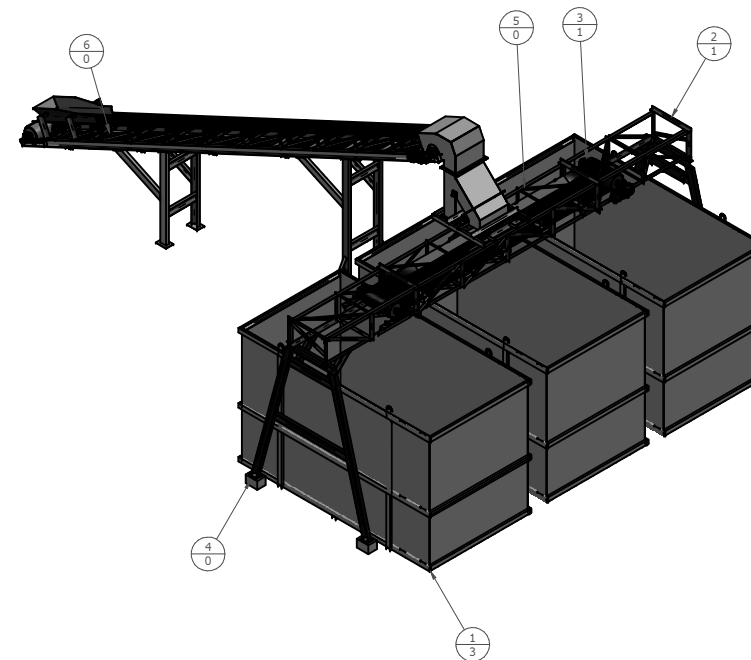
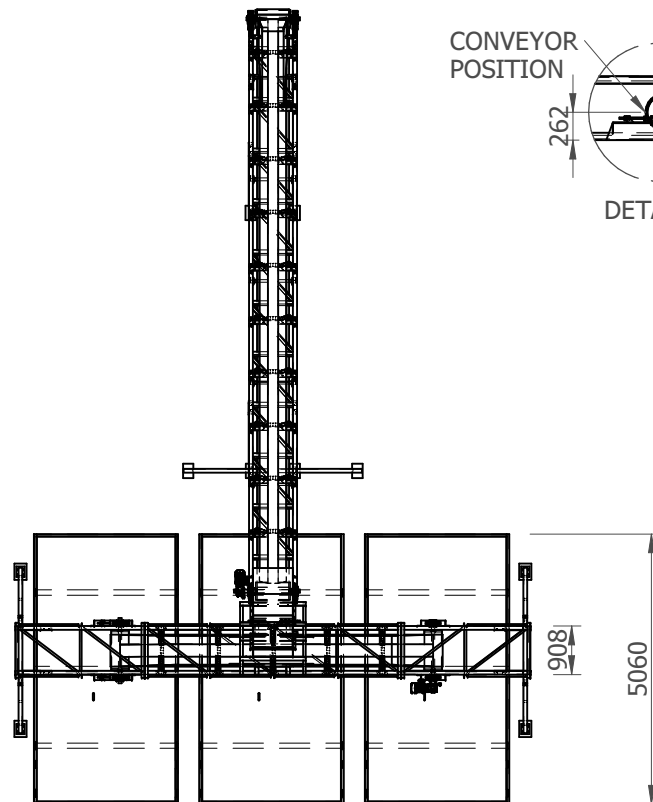
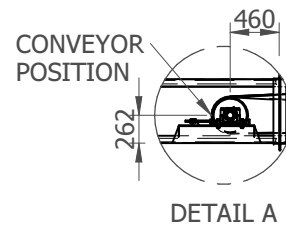
DRG.

3 OF 3

REV.	CHANGE	18 MAY 2022	THIS DRAWING IS THE PROPERTY OF XGM LTD AND MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE COMPANY
		DATE	



Item Number	Title	Quantity
1	Wood Chip Bin	3
2	600mm Lattice Frame	1
3	5m 600mm Conveyor	1
4*	12m 600mm 25Deg Troughing CV	1
5*	Lattice Support Frame	2



REV	BY	CHKD	REVISION DESCRIPTION



CHECKED	NAME	DATE	TITLE: CHEP PORT ELIZABETH LAYOUT	REV
DRAWN	LG	09-12-21	SIZE A1 FOR INFORMATION	0
ENG APPR			SCALE: WEIGHT:	