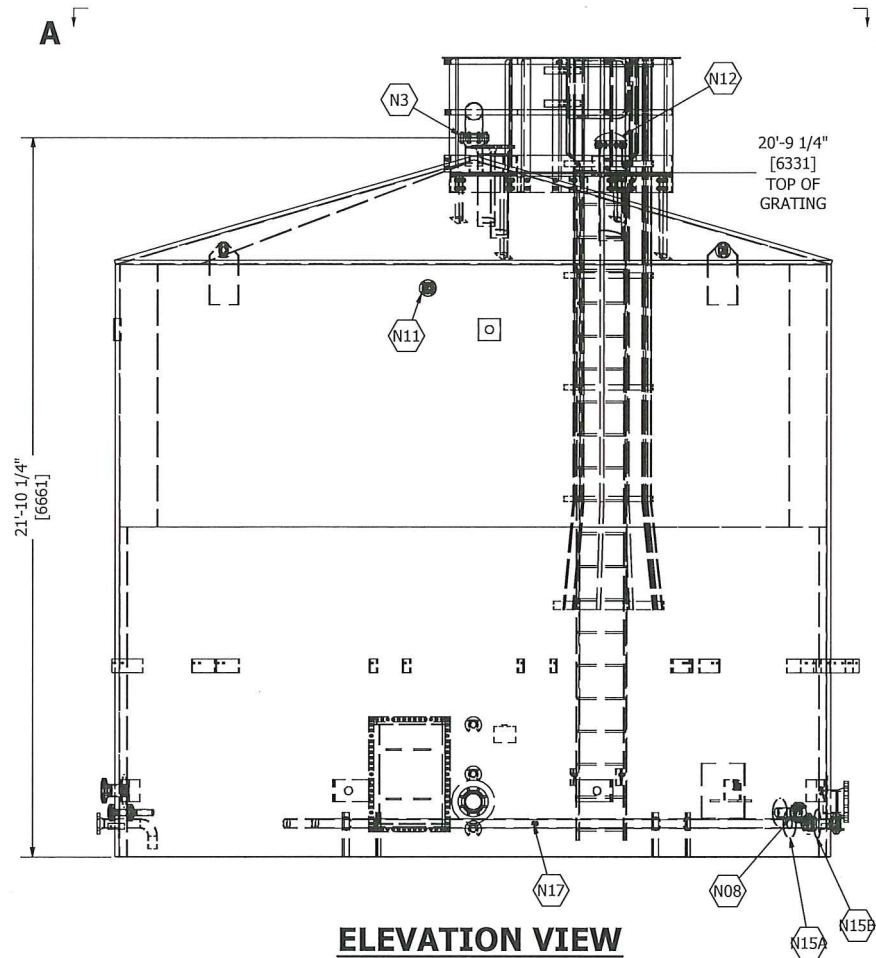




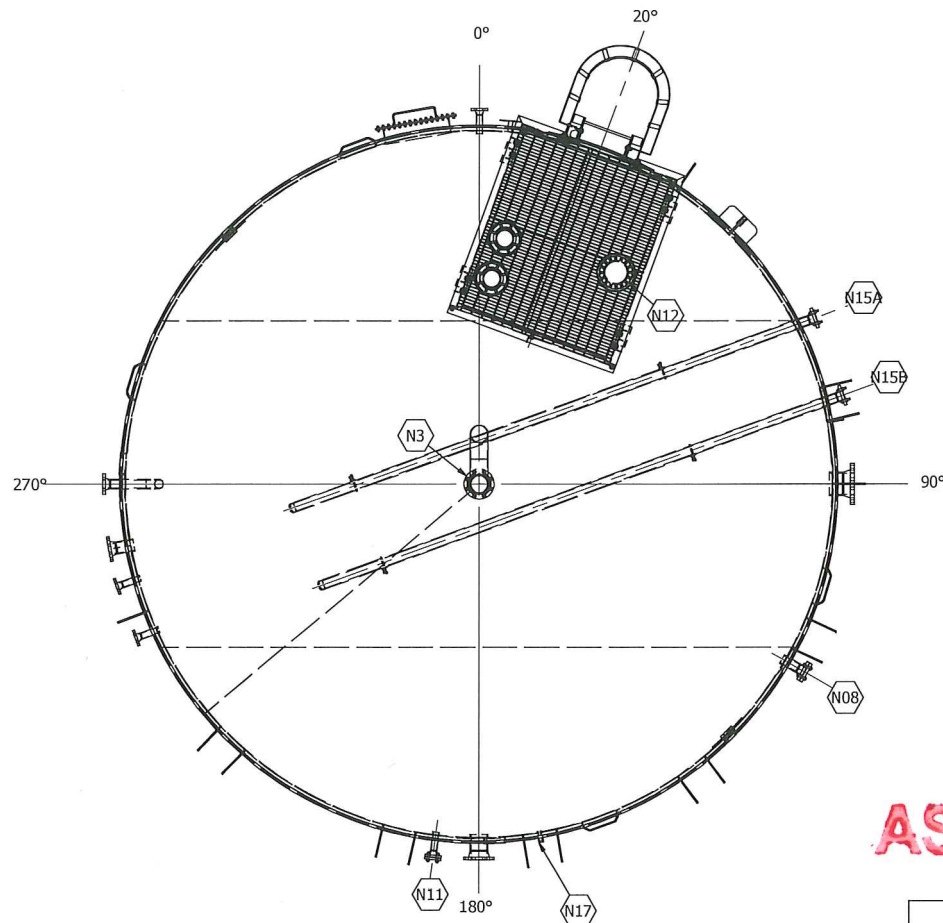
ISOMETRIC VIEW

GENERAL NOTES:

1. INSULATION: 1 1/2" BASF SPRAY FOAM INSULATION.
2. HEAT TRACING: NIL
3. ALL OPENINGS TO BE COVERED PRIOR TO SHIPPING
4. PLATFORM AND LADDER TO BE SHIPPED LOOSE
5. APPROXIMATE SHIPPING WEIGHTS:
 - TANK: 25,800 lbs
 - PLATFORM AND LADDER: 1,500 lbs
6. APPROXIMATE TOTAL WEIGHT: 27,300 lbs
7. SHIPPING DIMENSIONS: 22'-10" W x 21'-11" H x 23'-8" LG



ELEVATION VIEW



ORIENTATION VIEW A-A

AS-BUILT

CLIENT: MEG ENERGY
PROJECT NUMBER: H343937
PROJECT NAME: 1500 BPD HI-Q FIELD
DEMONSTRATION PILOT PLANT
PROJECT LOCATION: BRÜDERHEIM, AB

BILL OF MATERIALS

ITEM	QTY	REF.	PART No.	DESCRIPTION	LENGTH	MATERIAL	WEIGHT
1	1	TANK	-	TANK WELDED ATTACHMENTS (SEE DRAWING D2462-301 FOR DETAILS)			23242.88
2	1	INSULATION	-	1 1/2" THK BASF SPRAY FOAM INSULATION			402.91
5	16	N03	1-001872	3/4" DIA HEX NUT		SA-194-2HM	3.41
7	8	N03	1-002641	3/4" DIA x 4" LG STUD		SA-193-B7M	4.11
8	1	N03	1-006078	6" x CLASS 150 RF "CG" GASKET		316SS	0.72
9	1	N12	-	ENARDO 660 THIEFHATCH SET AT 40Z		SA-36	82.62
10	16	N12	1-002615	1/2" DIA x 2 1/2" LG STUD		SA-193-B7M	2.29
11	32	N12	1-001865	1/2" DIA HEX NUT		SA-194-2HM	2.29
12	1	N12	1-004683	1/8" THK x 8" THIEF HATCH GASKET		NEOPRENE	0.18
13	2	N15A/B	1-016179	PIPE INSERT HEATER MXIT315F3198X-00X			
14	16	N08,N15A/B,,N11	1-002627	5/8" DIA x 3 1/2" LG STUD		SA-193-B7M	4.99
15	32	N08,N15A/B,,N11	1-001868	5/8" DIA HEX NUT		SA-194-2HM	4.16
16	3	N08,N15A/B	1-001296	3" x CLASS 150 RF "CG" GASKET		316SS	1.11
18	1	N11	1-000869	2" x CLASS 150 RF BLIND FLG		SA-105-N	5.38
19	1	N11	1-001291	2" x CLASS 150 RF "CG" GASKET		316SS	0.27
20	8	LADDER BOLTS	1-014369	5/8" DIA x 1 3/4" LG STRUCTURAL HEX BOLT, c/w NUT AND WASHER		SA-325	3.24
21	22	HANDRAIL TO PLATFORM/ PLATFORM POSTS	1-011909	3/4" DIA x 1 3/4" LG STRUCTURAL HEX BOLT, c/w NUT AND WASHER		SA-325	13.93
22	8	REMOVABLE HANDRAIL	1-005535	5/8" DIA x 1 1/2" LG STRUCTURAL HEX BOLT, c/w NUT AND WASHER		SA-325	3.05
23	1	N17		3/4" X 1/2" THERMOWELL			
24	1	N17	1-016180	THERMOSTAT ASSEMBLY WELL (10°C TO 120°C)			
25	1	N08	1-000891	3" x CLASS 150 RF BLIND FLG		SA-105-N	10.95
							23788.48

REV	DATE	DESCRIPTION	BY	APP
A	2/19/2014	ISSUED FOR APPROVAL	KMP	
B	6/20/2014	REVISED ORIENTATION, ISSUED FOR APPROVAL	KMP	
0	7/21/2014	REVISED N1 & N10, ISSUED FOR FABRICATION	KMP	
1	9/25/2014	AS BUILT	KMP	

BILTON
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MEG ENERGY			
DILUTED BITUMEN STORAGE TANK - TAG #: D-01A FINAL ASSEMBLY			
DATE: 2/3/2014	SALE ORDER: 003597		
SHEET: 1 OF 1	JOB ORDER:	D2462	SIZE D
PURCHASE ORDER: HATCH-PM002			
LOCATION: SE 1/4 34-55-20 W4M			
CRN DWG: N/A	DRAWING NO.:	D2462-101	REV. 1
CRN NUMBER: N/A			
PROJECT MANAGER: P.M.			