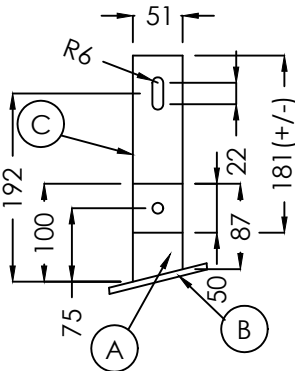
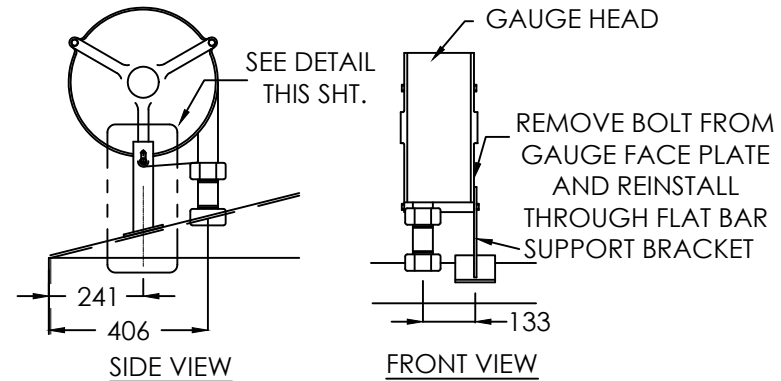
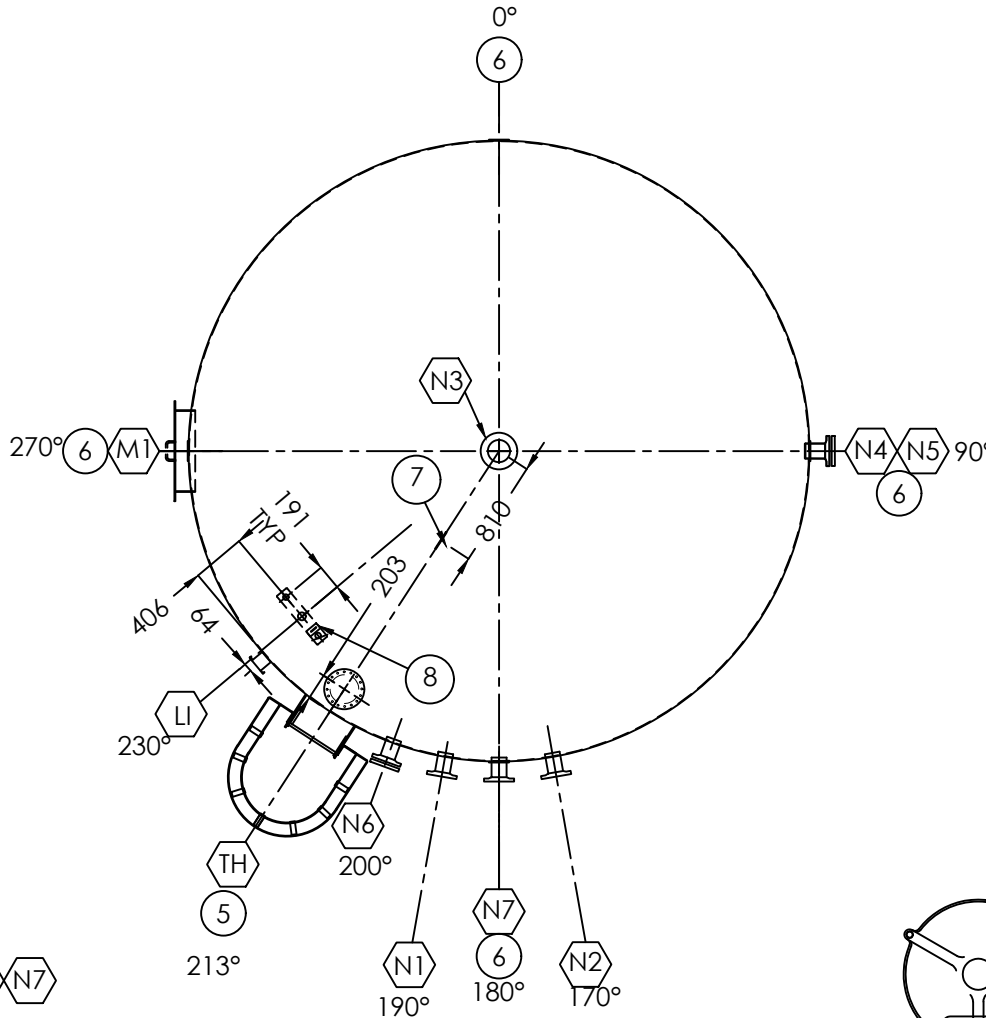
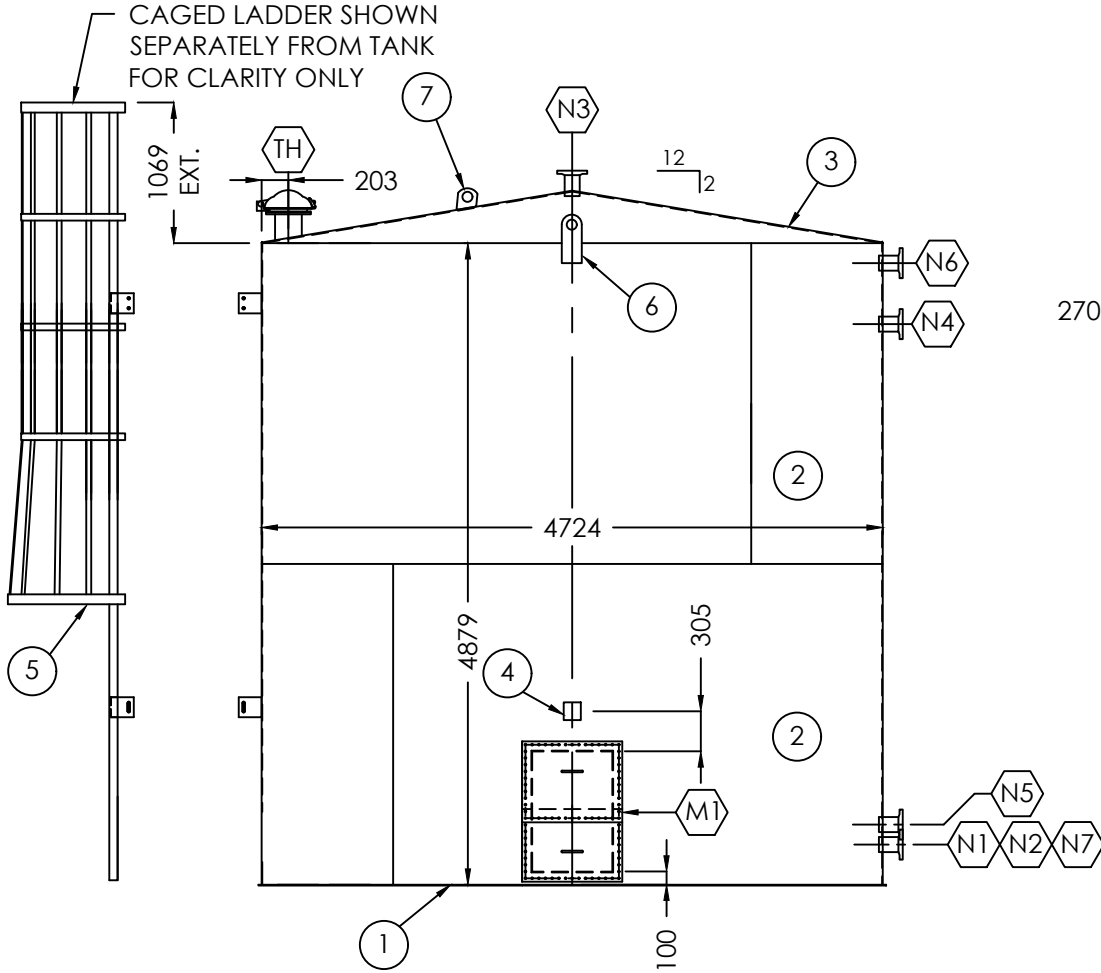


BILL OF MATERIALS (FOR 1 TANK)

MARK	QTY	MATL	DESCRIPTION	SERVICE
1	1	A36	6.4 PL. x 4826 Ø (FLAT BOTTOM)	FLAT BOTTOM
2	2	A36	4.8 PL. x 2438 x 14841 LG.	SHELLS
3	1	A36	6.4 PL. x 4826 Ø (ROOF)	ROOF
4	1		NAMEPLATE AND BRACKET	
5	1	A36	CAGED LADDER (SEE SHT. B-5587-90 CL FOR DETAILS)	
6	4	A36	LARGE LIFT LUGS	
7	1	A36	LANYARD SAFETY TIE OFF LUG (ARGO STD. TAIL LUGS- NO REPAD)	
8	1	A36	REDTAIL GAUGE HEAD SUPPORT BRACKET (SEE DETAIL THIS SHEET)	
LI	1	316SS	42 DIA. (1-1/4") 3000# NPT FULL CPLG.	
	1	316SS	60 DIA. (2") 3000# NPT FULL CPLG.	
			HAWKEYE REDTAIL GAUGE SYSTEM c/w PVC FLOAT	
	5	A36	GAUGE BOARD BRACKETS (TRIM TO 120mm FOR HAWKEYE BOARD)	
	2	316SS	FLOAT GUIDE U-BOLT	
M1	1	A36	610x914 (24"x36") RECT. MANWAY (SET 100mm ABOVE FLOOR)	
	1	A36	762x1066 RECTANGULAR SPLIT MANWAY COVER	
TH	1		219 DIA. (8") HAWKEYE MARSHAWK THIEF HATCH SET @ 8 OZ. PRESSURE / 0.4 OZ. VACUUM (VITON GASKETS)	
	1	A36	219 DIA. (8") ARGO FAB. THIEF HATCH EXTENSION	
N1	1	A105	114 DIA. (4") 150# RFSO FLG.	INLET
	1	A106	114 DIA. (4") STD. SMLS PIPE x168 LG.	
N2	1	A105	114 DIA. (4") 150# RFSO FLG.	OUTLET
	1	A106	114 DIA. (4") STD. SMLS PIPE x 168 LG.	
N3	1	A105	114 DIA. (4") 150# RFSO FLG.	VENT
	1	A106	114 DIA. (4") STD. SMLS PIPE x 171 LG.	
N4	1	A105	168 DIA. (4") 150# RFSO FLG.	OVERFLOW
	1	A106	168 DIA. (4") STD. SMLS PIPE x 168 LG.	
N5	1	A105	114 DIA. (4") 150# RFSO FLG.	EQUALIZE
	1	A106	114 DIA. (4") STD. SMLS PIPE x 168 LG.	
N6	1	A105	114 DIA. (4") 150# RFSO FLG.	LSHH
	1	A106	114 DIA. (4") STD. SMLS PIPE x 168 LG.	
		A105	114 DIA. (4") 150# RF BLIND FLANGE TAPPED 2" NPT	BLIND
N7	1	A105	114 DIA. (4") 150# RFSO FLG.	SPARE
	1	A106	114 DIA. (4") STD. SMLS PIPE x168 LG.	



HAWKEYE REDTAIL GAUGE HEAD

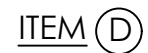
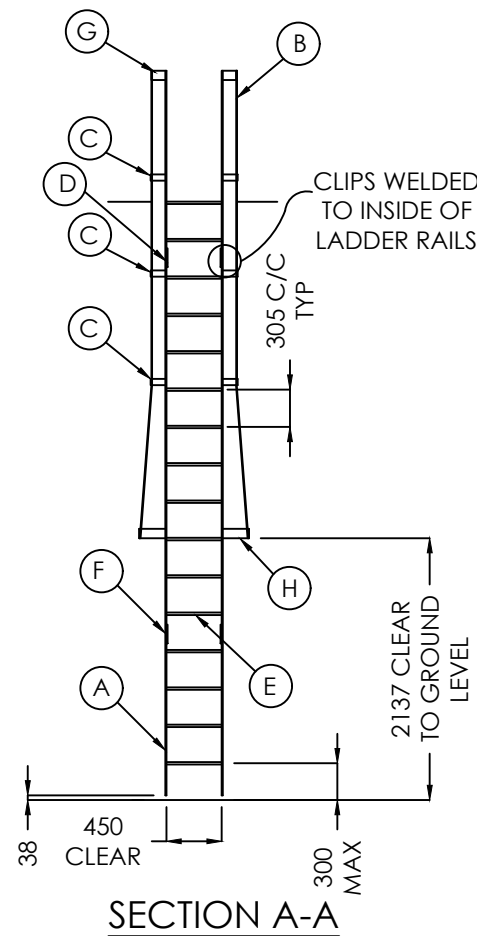
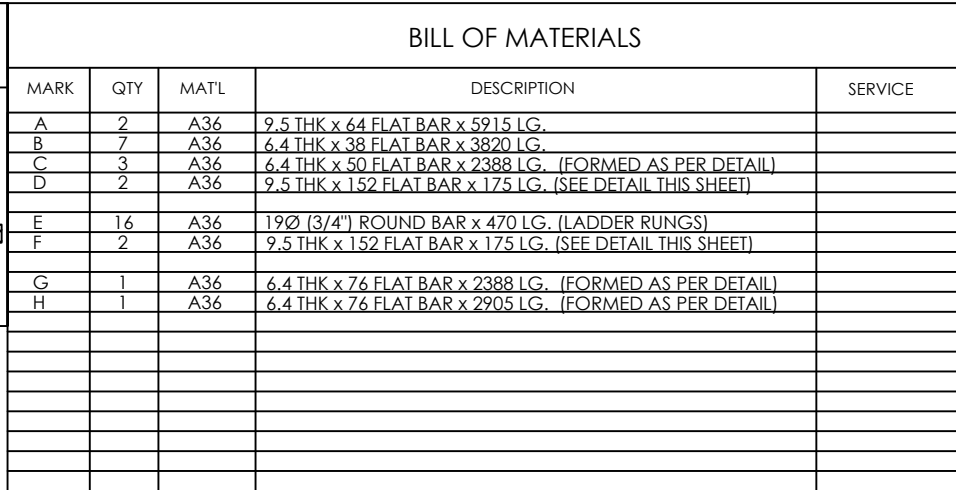
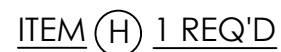
GAUGE BRACKET DETAIL

NOZZLES				DESIGN NOTES	
MARK	PROJ.	ELEV.	NOTES		
N1	152mm	305mm	INLET	1. TANK TO BE BUILT AND TESTED TO API-12F SPEC. MODIFIED (NON LABELED)	
N2	152mm	305mm	OUTLET	2. TANK DESIGN PRESSURE = 8 OZ / DESIGN VACUUM = 0.5 OZ.	
N3	152mm		ROOF	3. ROOF/SHELL JOINTS NOT TO BE BACKWELDED.	
N4	152mm	4264mm	OVERFLOW	4. REFER TO ORIENTATION DRAWING FOR PROPER LOCATION OF ALL NOZZLES, COUPLINGS, ETC.	
N5	152mm	457mm	EQUALIZE	5. ALL DIMENSIONS ARE IN mm.	
N6	152mm	4727mm	LSHH	6. STUDS/NUTS/GASKETS - ANSI FLGS: B7 / 2H / 316SS FLEX	
N7	152mm	305mm	SPARE	7. FASTENERS/GASKETS - MANWAY & TH: GRADE 5 / NEOPRENE	
				8. ALL CONNECTIONS TO BE SHIPPED WITH PLUGS OR PVC FLANGE PROTECTORS UNLESS OTHERWISE NOTED.	
				9. RECORD MATERIAL HEAT NUMBERS.	
SHIPPING INFORMATION				TESTING	
TANK SHIPPED UP RIGHT				1. TANK TO BE AIR/SOAP LEAK TESTED TO 12 OZ.	
HEIGHT: APPROX. 17'10"				WELDING NOTES	
WIDTH: APPROX. 16'6"				1. E7024 WELDING ROD HAS NOT BEEN PROHIBITED.	
WEIGHT: APPROX. 15 000LBS				2. RADIUS ALL SHARP EDGES FOR COATING.	
SHIPPED LOOSE				3. FILLET WELD SIZES ARE DETERMINED BY THE SMALLEST THICKNESS OF THE TWO ITEMS TO BE JOINED UNLESS OTHERWISE NOTED.	
1. CAGED LADDER				THIRD PARTY INSPECTION	
				NO THIRD PARTY INSPECTION REQUIRED	

INTERNAL & EXTERNAL FINISH			
1. <u>INTERNAL FINISH</u> FULL TANK INTERNAL			
BLAST:		SSPC-SP5 WHITE METAL BLAST USING SIL 7 SAND	
COATING:		12.0 - 16.0 MILS DFT OF DEVOE 253 EPOXY COATING	
2. <u>EXTERNAL FINISH</u>			
BLAST:		SSPC-SP6 COMMERCIAL BLAST	
PRIMER:		1.5 - 2.0 MILS OF CLOVERDALE TOWER OR RUSTEX # 71024 GRAY	
PAINT:		1.5 - 2.0 MILS OF CLOVERDALE BLACK MARINE ENAMEL	
3. <u>BOTTOM FINISH</u>			
NO BOTTOM FINISH			
REVISIONS			
2	ISSUED FOR FABRICATION	CP	09/11/12
1	ISSUED FOR FINAL APPROVAL	CP	09/06/12
0	ISSUED FOR APPROVAL	CP	06/14/12
NO.	DESCRIPTION	BY	DATE

GAUGE HEAD SUPPORT BRACKET							
A	1	A36	6.4 THK. FLAT BAR X 51 x 100 LG.				
B	1	A36	6.4 THK. x 102 SQ. REPAD				
C	1	A36	6.4 THK. FLAT BAR X 51 x 181 LG.				
MARK	QTY	MAT'L	DESCRIPTION	SERVICE			
CUSTOMER: CRESCENT POINT ENERGY CORPORATION							
PO# CPG12-0115-P003							
TITLE: 80 CU. M. (500 BBL)							
4724 DIA. (23'-6" O.D.) x 4879 HIGH (26'0")							
NON-SKIDDED STORAGE TANK							
							
					APPROVED BY:	CHECKED BY:	DRAWN BY: CP
					DATE: 06/06/12	TAG #:	DRAWING#: B-5587-90
					SHEET: 1 OF 2	SCALE: NTS	SERIAL#: 5587-90
REV. 							





CRESCENT POINT ENERGY CORPORATION

CUSTOMER:

500 BBL NON-SKIDDED STORAGE TANK

TITLE:

TQ11-098

QUOTE #: