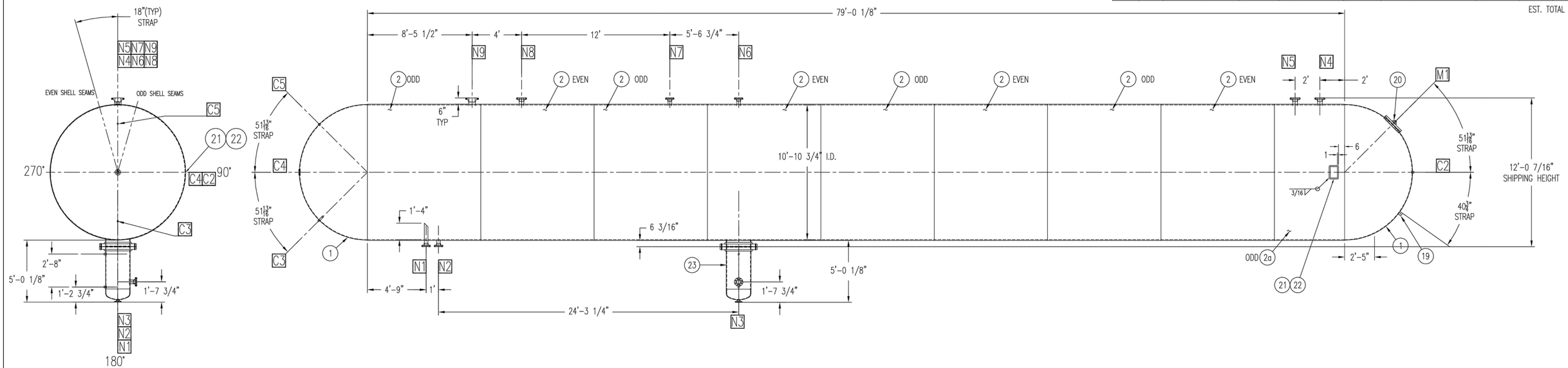
BILL OF MATERIAL

DWG. NO. | DWG. SIZE D | ASSEMBLY NO. | DWG. SIZE

MARK	QTY	PART NO.	DWG. NO.	DESCRIPTION	MAT. CODE	FLAME CUT	NOTES	WEIGHT
1	2	61-700375		ASME HEAD, HEMI 131 7/8" O.D. (.363 MIN THK)	SA-612			5824
2	8	14-700320		PL. MIN THK .735 x 112" x 415"	SA-612	PLASMA		76134
2a	1	14-700320		PL. MIN THK .735 x 68.125" x 415"	SA-612	PLASMA		5894
3	1	60-000683	10032-R3	MANWAY RING, 21' x 16" x 2.5" 18 1/4" BC	SA516-70			120
4	1	60-000704	10024	STUDDED OUTLET, 2 1/2" FLOAT 300#	SA516-70			8
5	1	08-701092		COUPLING, 1" FULL 3000#	SA-105			2
6	1	08-701024		COUPLING, 3/4" FULL 3000#	SA-105			1
7	1			FLANGE, 6" 300# RFWN	SA-105			45
8	3	08-700639		FLANGE, 4" 300# RFWN	SA-105			78
9	1	60-000561	10070-1	FLANGE, 16" COVER	SA-105			150
10	4	08-700979		FLANGE, 3" 300# RFWN	SA-105			64
11	1	08-701883		GASKET, 16" x 17 1/2" 316ss				2
12	24	13-700215		STUDBOLT, 5/8" X " LONG	A193-B7			8
13	24	13-01043		NUT, 5/8"	A194-2H			8
14	1	14-700723		PIPE, 3" SCH 80(.300 WTHK) x 24" LONG	SA-106B			21
15	3	14-700723		PIPE, 3" SCH 80(.300 WTHK) x 6" LONG	SA-106B			15
16	1	14-700692		PIPE, 6" SCH 80(.432 WTHK) X 6" LONG	SA-106B			14
17	3	14-700724		PIPE, 4" SCH 80(.337 WTHK) X 6" LONG	SA-106B			22
18	1	08-702045		COUPLING, 1/2" 6000# X BLIND	SA-105			2
19	1	60-000904		GROUNG LUG, 3X3X 3/8" - SEE DETAIL	PLASTIC			2
20	1	08-702094		LIFT LUG, SMALL PHOENIX FORGED	SA-105			2
21	1	14-700150		PL. 1/4" X 9" X 13" - REPAD FOR DATA PLATE	SA612	PLASMA		11
22	1	19-700644		ASME DATA TAG	SS			2
23	1		20148-1	24" SUMP WITH OPENINGS				947
24	1	08-700981		FLANGE, 4" 300# BLIND	SA-105			27
25	1	08-701947		GASKET, 4" 300#	SS			1
26	1	08-700624		FLANGE, 3" 300# BLIND	SA-105			16
27	1	08-701954		GASKET, 3" 300#	SS			1
28	32			NUT, 3/4" HEX HEAD HEAVY				8
29	16	13-700221		STUD, 3/4" X 4" 2H				16
30	1			FLANGE, 24" RFSO 300#				490
31	1			PIPE, 24" SCHSTD(.375 WTHK) X 8" LONG	A106B			63

EST. TOTAL WT.=90,009#



ORIENTATION VIEW

ELEVATION VIEW

MARK	SERVICE	NO. REQ'D	SIZE	TYPE / FLANGE/COUPLING	BOM #	RATING	NECK BOM #	REPAD BOM #	REMARKS
M1	MANWAY	1	16	RING	3	300#			BOM# 9,11,12,13,20
C5	LIQUID LEVEL	1	.75	FULL COUPLING	6	3000#			BOM# 17
C4	FLOAT GAUGE	1	2.5	STUDDED OUTLET	4	300#			BOM# 15
C3	THERMOWELL	1	.5X6.5	BLIND COUPLING	18	6000#			BOM# 18
C2	ROTO GAUGE	1	1	COUPLING	5	3000#			BOM# 16
N9	RELIEF	1	6	RFWN	7	300#	16		
N8	VAPOR OUT	1	4	RFWN	8	300#	17		
N7	SPARE	1	3	RFWN	10	300#	15		BOM# 26,27,28,29
N6	BRIDLE	1	3	RFWN	10	300#	15		
N5	LIQUID IN	1	4	RFWN	8	300#	17		
N4	FUTURE	1	4	RFWN	8	300#	17		BOM# 24,25,28,29
N3	SUMP	1	24	RFSP	30	300#	31		SEE DRAWING 20148-1
N2	LIQUID	1	3	RFWN	10	300#	15		
N1	FILL	1	3	RFWN	10	300#	14		

SCHEDULE OF OPENINGS

TOLERANCES UNLESS SPECIFIED
DECIMAL .XX ± .03
DECIMAL .XXX ± .015
FRACTIONS ± 1/16"
ANGULAR DIMENSIONS ± 1 DEG.

SANDBLAST: SSPC-6
PRIMER: 2 PART EPOXY
PAINT: NONE

REV.	ECO	DATE	DESCRIPTION OF REVISION	BY
B	-	2/5/13	ADDED 24" RFSO FLANGES TO SUMP FOR DEMONTAGE AT SHIPPING	
A	-	2/4/13	FOR APPROVAL	

TransTech Energy

60,000 LPG VESSEL(TRANSTECH)
131 7/8" O.D. -SPECIAL WITH SUMP

SCALE 1/4"=1' | CHK'D | DWG. NO. | DWG. SIZE D
DATE 1/31/13 | APPV. |
W.O.# | DRN.BY | PART/ASSY. NO. | REVISION B