SAMPLE COUPLINGS	
COUPLING	ELEVATION
C1	3'–0"
C2	5'–0"
C3	7'–0"
C4	9'–0"
C5	11'–6"

CUSTOMER SPECIFICATIONS

DESIGN CODE: API–650 (MODIFIED)
SERIAL NO:
DESIGN PRESSURE: ATMOSPHERIC
DESIGN TEMPERATURE:
OPERATING TEMPERATURE:
SERVICE:
OPERATING LEVEL:
CORROSION ALLOWANCE:
OTHER:

FINISHING

EXTERNAL:
INTERNAL:
TESTING:
INSULATION:

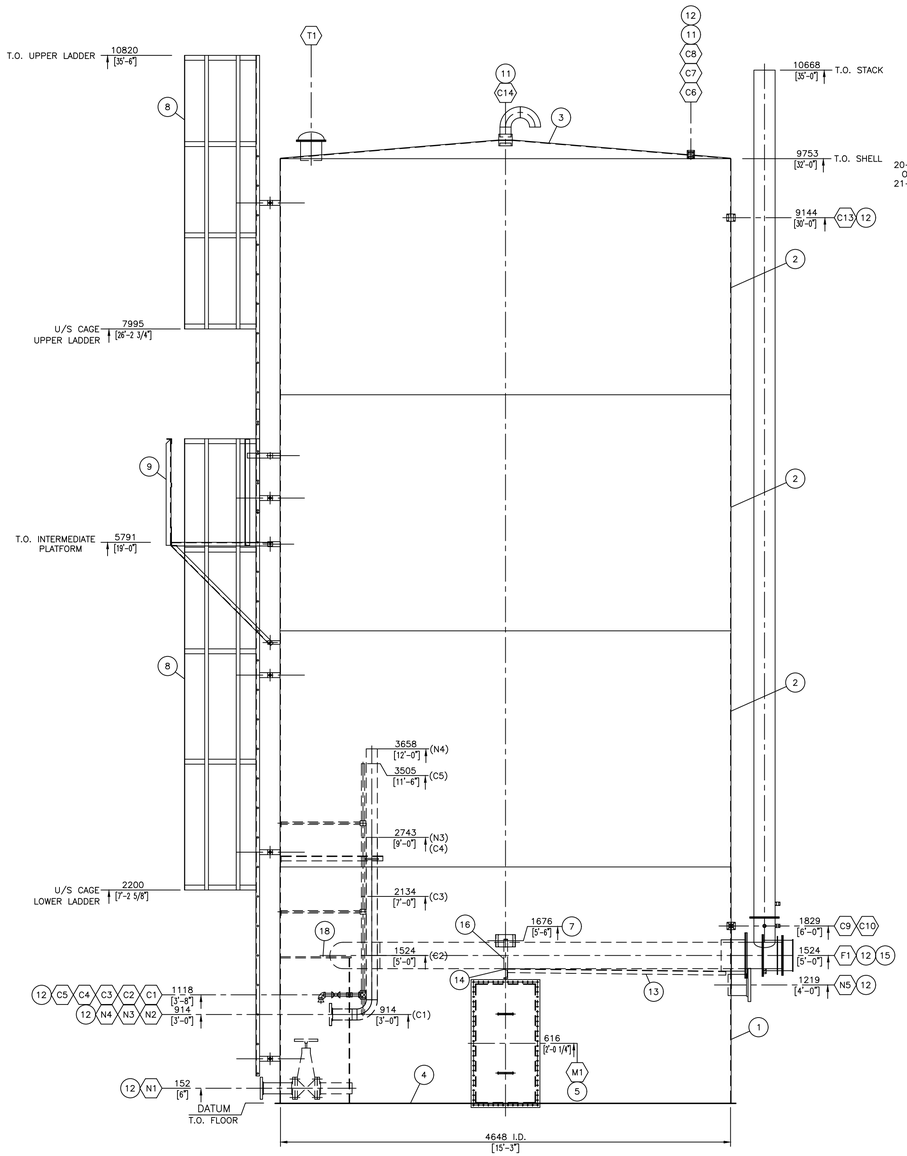
NOZZLE SCHEDULE

MK	NO	SIZE	SCH	RATE	TYPE	PROJECTION INT.	PROJECTION EXT.	REPAD YES	REPAD NO	DESCRIPTION
N1	1	114 / 4"	SCH 160	CLASS 150	RFSO	152 / 6"	203 / 8"		✓	STING NOZZLE
N2	1	114 / 4"	STD	CLASS 150	RFSO	25 / 1"	203 / 8"		✓	NOZZLE AT 3'–0" – H_2O OUT
N3	1	114 / 4"	STD	CLASS 150	RFSO	70 / 2 3/4"	140 / 5 1/2"		✓	NOZZLE C/W RISER TO 2743 – 9' OIL OUT
N4	1	114 / 4"	STD	CLASS 150	RFSO	70 / 2 3/4"	140 / 5 1/2"		✓	NOZZLE C/W RISER TO 3658 – 12' OIL OUT
N5	1	219 / 8"	STD	CLASS 150	RFSO	25 / 1"	203 / 8"		✓	CROSSOVER NOZZLE
C1	1	25 / 1"	–	3000#	FULL CPLG	HALF	HALF		✓	SAMPLE COUPLING
C2	1	25 / 1"	–	3000#	FULL CPLG	HALF	HALF		✓	SAMPLE COUPLING
C3	1	25 / 1"	–	3000#	FULL CPLG	HALF	HALF		✓	SAMPLE COUPLING
C4	1	25 / 1"	–	3000#	FULL CPLG	HALF	HALF		✓	SAMPLE COUPLING
C5	1	25 / 1"	–	3000#	FULL CPLG	HALF	HALF		✓	SAMPLE COUPLING
C6	1	32 / 1 1/4"	–	3000#	FULL CPLG	HALF	HALF		✓	LEVEL INDICATOR FLOAT GUIDE WIRE
C7	1	51 / 2"	–	3000#	FULL CPLG	HALF	HALF		✓	
C8	1	32 / 1 1/4"	–	3000#	FULL CPLG	HALF	HALF		✓	LEVEL INDICATOR FLOAT GUIDE WIRE
C9	1	51 / 2"	–	3000#	FULL CPLG	HALF	HALF		✓	BMS LLSD
C10	1	19 / 3/4"	–	3000#	FULL CPLG	HALF	HALF		✓	BMS TEMP. TRANS.
C13	1	51 / 2"	–	3000#	FULL CPLG	HALF	HALF		✓	HLSD
C14	1	102 / 4"	–	3000#	FULL CPLG	HALF	HALF		✓	VENT C/W GOOSENECK
M1	1	610x178 / 24"x7"	–	–	FAB'D	–	–		✓	SHELL MANWAY C/W COVER
F1	1	254 / 10"	STD	–	FAB'D	25 / 1"	152 / 6"		✓	10" FIRETUBE THROAT
T1	1	219 / 8"	STD	–	FAB'D	25 / 1"	152 / 6"		✓	THIEF HATCH

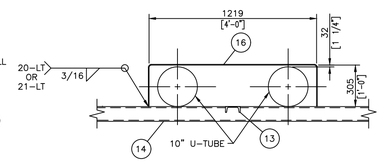
MATERIAL LIST

MATERIAL REQUIREMENTS

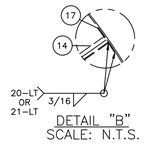
MK	QTY	PART NO.	DESCRIPTION	REF. DWG.	MATERIAL	WT
1	1	–	SHELL PLATE	–	–	–
2	3	–	SHELL PLATE	–	–	–
3	1	–	ROOF PLATE	–	–	–
4	1	–	FLOOR PLATE	–	–	–
5	1	–	4'x2' SHELL MANWAY C/W COVER	–	–	–
6						
7	1	–	NAMEPLATE C/W BRACKET	–	–	–
8	1	–	UPPER AND LOWER LADDER	–	–	–
9	1	–	INTERMEDIATE PLATFORM	–	–	–
10						
11	1	–	GAUGE BOARD SYSTEM	–	–	–
12	1SET	–	NOZZLE AND INTERNAL PIPING DETAIL	–	–	–
13	1	–	CHANNEL C4 x 5.4# x 7'–6" L.G.	–	–	–
14	1	–	CHANNEL C4 x 5.4# x 14'–11 3/8" L.G.	–	–	–
15	1	–	FIRETUBE REMOVABLE U–TUBE 10" SCH STD.	–	–	–
16	1	–	FIRETUBE BRACE FOR 10" U–TUBE	–	–	–
17	2	–	REPAD PLATE 1/4" THK. x 6" DIA.	–	–	–
18	1	–	5x5 ENVIRO VAULT AND DOOR	–	–	–
19						
20						
21						
22						
23						
24						
25						
26						
					SUBTOTAL	–
					x 1.06	
					TOTAL (lbs.)	–



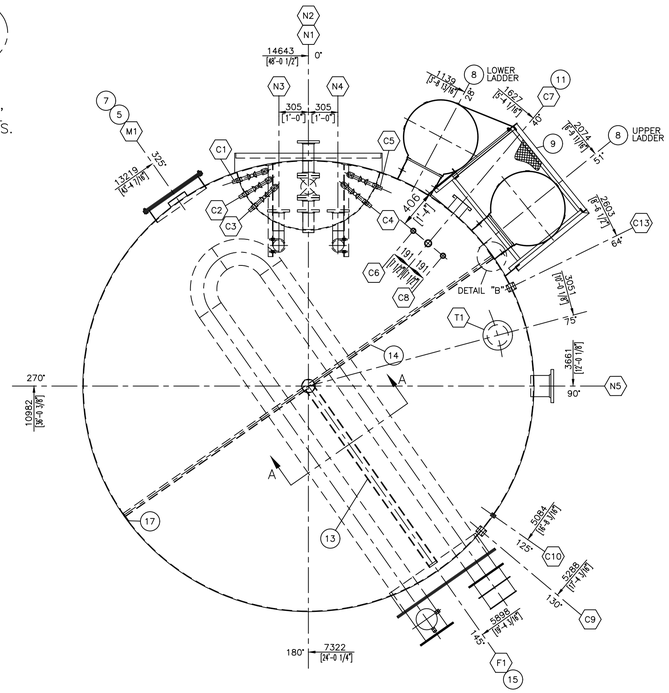
ELEVATION



SECTION "A–A"
SCALE: N.T.S.



DETAIL "B"
SCALE: N.T.S.



ORIENTATION

NOTES:
1) ALL DIMENSIONS ARE IN S.I. & IMPERIAL UNITS. DIMENSIONS IN BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY.
2) ALL FLANGE RATING TO BE ASME B16.5–2018.
3) FLANGES AND BOLT HOLES TO SADDLE PRINCIPLE CENTERLINES OF TANK.
4) ALL NOZZLE PROJECTIONS GIVEN ARE ALONG THE NOZZLE CENTERLINE.
5) SAMPLE LINE RISER HEIGHTS TO BE DETERMINED BY CUSTOMER REQUIREMENT.

NO.	DATE (d/m/y)	REVISIONS	BY	APPD
A	23/01/24	____	TVS	

CALROC INDUSTRIES

CLIENT
____

DWG TITLE
STOCK 1000 BBL SALES
GENERAL ARRANGEMENT

NO. REQ'D	VOLUME	SIZE	WO NO.	LEG NO.
1	159 CUBIC METERS (1000 BBL)	4648MM I.D. X 9753MM HIGH (15'–3" I.D. X 32'–0" HIGH)	WO# 30745	
SCALE	DWN BY	DWG NO.	SHEET NO.	REV. NO.
1:30	TVS	WO# 30745–D101	1 OF 1	A
DATE (d/m/y)	CHKD / APPD			
28/09/23				