



API STD 650	
APPENDIX A	YEAR MFG. 2007
EXTENSION & REV. 10	DESIGN TEMP.
DIAMETER 4000 MM	HEIGHT 8500 MM
CAPACITY 106800 L	DESIGN HR. 7750 HR
MAX. SPEC. GRV. 1.83	DESIGN PRESS. ATMOSPHERIC
DES. PRESSURE	MAX. OP. TEMP 60°C
MFG. S.N.	TANK NO.
SHELL COURSE	THICKNESS
1	6.4
2	6.4
3	6.4
4	6.4
5	6.4
MFG. BY WESTEEL	REGINA SK.

NAMEPLATE DETAIL

BILL OF MATERIALS						
MK.	QTY.	PART NO.	DESCRIPTION	MAT'L	REMARKS	
1	1	533158	7.9 PLT. x 4015 O.D. CONED - FLAT ϕ = 4100	T316L SS	ROOF	
			FLAT: 7.9 PLT. x 2438 W. x 4140 LG. (2 PCS REQ'D) - PER ROOF LAYOUT PAGE 2			
2A	8	533154	6.4 PLT. x 1829 W. x 6300 LG.	T316L SS	SHELL	
			2 PCS. TO MAKE 1 COURSE - CUT TO 1829 W. x 12,566 LG. - PER SHELL LAYOUT PAGE 2			
2B	2	533155	6.4 PLT. x 1219 W. x 6300 LG.	T316L SS	SHELL	
			2 PCS. TO MAKE 1 COURSE - CUT TO 1219 W. x 12,566 LG. - PER SHELL LAYOUT PAGE 2			
3	1	533157	12.7 PLT. x 4075 O.D. FLAT	T316L SS	BOTTOM	
			FLAT: 12.7 PLT. x 2438 W. x 4140 LG. (2 PCS REQ'D) - PER FLOOR LAYOUT PAGE 2			
4	1	533159	ANGLE - [1/4"x2"x2"] x 13,220 LG.	T316L SS	TOP RING	
			ROLL TO 3987 I.D. - LEG OUT			
5	1	530913	NAMEPLATE - API 650 - 18 GA. x 155 x 155	SS304	DWG: 20284-NP	
		530914	c/w NAMEPLATE BRACKET	T316L SS	DWG: 20284-PRT	
		236505	c/w RIVETS			
6	2	MAKE	LIFT LUG - PER DETAIL	T316L SS	DWG: 20284-PRT	
		2	MAKE c/w 6.4 PLT. x 300 W. x 300 LG.	T316L SS	REPAD	
7	4	MAKE	ANCHOR PLATE - PER DETAIL	T316L SS	DWG: 20284-PRT	
		8	MAKE ANCHOR GUSSET - PER DETAIL	T316L SS	DWG: 20284-PRT	
8	2	533185	DECAL - SULFURIC ACID	5 YR VINYL	DWG: 20284-DCL	

NOZZLE SCHEDULE							
MK.	QTY.	PART NO.	SIZE	RATING	DESCRIPTION	MAT'L	REMARKS
M1	1	-	750# (30")	API	SHELL MANHOLE	T316L SS	DWG: 20284-MHS
	1	530171	6.4 PLT.		REPAD c/w TEST HOLE	T316L SS	DWG: 20284-PRT
	1	530945	6.4# (1/4")	150#	HALF COUPLING	A182-316L	TEST FTG.
	1	-	3.0 THK.		RING GASKET	VITON	DWG: 20284-GSK
M2	1	-	610# (24")	API	ROOF MANHOLE		DWG: 20284-MHR
	1	-	3.0 THK.		RING GASKET	VITON	DWG: 20284-GSK
N1	1	271425	203# (8")	150#	RFSO	A182-316L	ROOF N. VENT
	1	533186	203# (8")	SCH80S	SM'LESS PIPE x 170 LG.	A312-316L	150 EXT. PROJ.
	1	271433	203# (8")		FLANGE PROTECTOR	POLY.	FLUSH INT. PRJ.
N2	1	530130	51# (2")	150#	RFSO	A182-316L	FILL
	1	533183	51# (2")	SCH160	SM'LESS PIPE x 160 LG.	A312-316L	125 EXT. PROJ.
	1	271429	51# (2")		FLANGE PROTECTOR	POLY.	25 INT. PROJ.
N3	1	533188	76# (3")	150#	RFSO	A182-316L	FILL
	1	533187	76# (3")	SCH80S	SM'LESS PIPE x 160 LG.	A312-316L	125 EXT. PROJ.
	1	271430	76# (3")		FLANGE PROTECTOR	POLY.	25 INT. PROJ.
N4	1	530136	152# (6")	150#	RFSO	A182-316L	LEVEL
	1	533182	152# (6")	SCH80S	SM'LESS PIPE x 180 LG.	A312-316L	150 EXT. PROJ.
	1	271432	152# (6")		FLANGE PROTECTOR	POLY.	25 INT. PROJ.
N5	2	530130	51# (2")	150#	RFSO	A182-316L	SUCTION/DRAIN
	2	533183	51# (2")	SCH160	SM'LESS PIPE x 160 LG.	A312-316L	125 EXT. PROJ.
	2	530945	6.4# (1/4")		HALF COUPLING	A182-316L	25 INT. PROJ.
	2	271429	51# (2")		FLANGE PROTECTOR	POLY.	TEST FTG.
	2	MAKE	6.4 PLT.		REPAD	T316L	DWG: 20284-PRT
N6	1	533189	102# (4")	150#	RFSO	A182-316L	OVERFLOW
	1	533190	102# (4")	SCH80S	SM'LESS PIPE x 200 LG.	A312-316L	150 EXT. PROJ.
	1	533191	102# (4")	SCH80S	WELD ELBOW 90° - L.R.	A312-316L	50 INT. PROJ.
	1	530945	6.4# (1/4")		HALF COUPLING	A182-316L	TEST FTG.
	1	271431	102# (4")		FLANGE PROTECTOR	POLY.	
	1	MAKE	6.4 PLT.		REPAD	T316L	DWG: 20284-PRT
N7	1	530130	51# (2")	150#	RFSO	A182-316L	LEVEL
	1	533183	51# (2")	SCH160	SM'LESS PIPE x 160 LG.	A312-316L	125 EXT. PROJ.
	1	530945	6.4# (1/4")		HALF COUPLING	A182-316L	25 INT. PROJ.
	1	271429	51# (2")		FLANGE PROTECTOR	POLY.	TEST FTG.
	1	MAKE	6.4 PLT.		REPAD	T316L	DWG: 20284-PRT

- NOTES:
- TANK DESIGNED AND CONSTRUCTED USING API 650 APPENDIX J & S
C.A.: 3.2 mm MAX OPERATING TEMP 40° C.
CAPACITY: 106,800 L 617 BBL. MIN. DES METAL TEMP N/A
MAX SPEC. GRAVITY 1.83 DESIGN PRESSURE: ATMOSPHERIC
 - X-RAY: FLOOR SEAMS: 100% VERTICAL SEAMS + T JOINTS: 100%
HORZ. SEAMS: 2 x 432MM SPOT / SEAM
 - DYE PENETRANT: T- JOINT, ROOF/ SHELL JOINT.
 - AIR/SOAP TEST 14 kPa MIN. 21 kPa MAX.
 - INTERNAL FINISH: SWEEP TANK CLEAN, GRIND WELDS SMOOTH,
PICKLE AND PASSIVATE WELDS ONLY
 - EXTERNAL FINISH: GRIND WELDS SMOOTH, PICKLE AND PASSIVATE WELDS ONLY
 - ESTIMATED SHIPPING WEIGHT: 10,330 KGS (22,770 LBS)
 - TANK INTERIOR TO BE PASSIVATED AFTER HYDRO TEST BY OTHER'S.
 - QTY FOR THIS ORIENTATION : 1 TOTAL QTY: 2
TANK TAG: S210A
 - ANCHOR BOLTS SUPPLIED BY OTHERS.

NO.	DATE	REVISIONS/APPROVALS	BY	CHKD
0	07/01/11	ISSUED FOR PRODUCTION	SK	SK
1	07/01/17	IN REL. TO 800 FROM SHELL, ANCHOR BOLT WPS 22#	SK	SK
2	07/01/15	FLARE LAYOUT ON PAGE 2 COMPLETED	SK	SK
3	07/01/13	CONSTRUCT CORRECTIONS	SK	SK
4	07/01/13	TO CUSTOMER FOR APPROVAL	SK	SK

