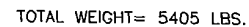


ITEM	QUAN	DESCRIPTION	MATERIAL	THK	WGHT
1	2	8'-0" L x 10'-0" H. x 1/4" PL.	304L S.S.	.25	1786
2	2	5'-0" W x 10'-0" H x 1/4" PL.	304L S.S.	.25	1117
3	2	5'-0" W x 8'-0" L x 1/4" PL.	304L S.S.	.25	893
4	10	2 3/4" W x 2" H x 1/4" THK x 10'-0" LG TEE	304L S.S.	.25	400
5	8	2 3/4" W x 2" H x 1/4" THK x 1'-7 3/4" LG TEE	304L S.S.	.25	504
6	4	2 3/4" W x 2" H x 1/4" THK x 1'-9 5/8" LG TEE	304L S.S.	.25	29
7	4	2 3/4" W x 2" H x 1/4" THK x 1'-8 5/8" LG TEE	304L S.S.	.25	28
8	6	2" DIA 150# COUPLING			15
9	1	2'-8" OD x 2'-0 1/8" I.D. x 1/4" THK (20 HOLE)	304L S.S.	.25	50
10	1	2'-8" O.D. x 2'-0 1/8" I.D. x 1/4" THK (10 HOLE)	304L S.S.	.25	37
11	2	6'-3 1/2" LG x 6 1/2" W x 1/4" THK ROLLED PL.	304L S.S.	.25	70
12	1	2'-8" OD x 3/8" THK BLIND FLANGE (20 HOLE)	304L S.S.	.375	85
13	1	2'-8" OD x 1/4" THK BLIND FLANGE (10 HOLE)	304L S.S.	.25	56
14	4	3"x3" x 1/4" THK x 8'-0" LONG SLO. TUBING	304L S.S.	.25	267
15	2	2 3/4" W x 2" H x 1/4" THK x 6'-11 1/2" LG TEE	304L S.S.	.25	56
16	2	2 3/4" W x 2" H x 1/4" THK x 1'-5 9/16" LG TEE	304L S.S.	.25	12
17	36	1/2"x1 1/2" LG. BOLTS	S.S.		
18	36	1/2" NUTS	S.S.		
19	2	2'-8" OD x 2'-5" ID NEOPRENE GASKET		.125	
20	2	10" LG x 5" HIGH LIFTING LUGS	304L S.S.	.50	
21					

MARK #	SIZE	RATING	FACE	PROJECTION	SERVICE
N1	2"	150#	CPLG	HALF IN/HALF OUT	VENT
N2	2"	150#	CPLG	HALF IN/HALF OUT	INLET
N3	24"	150#	F.F.	4"	MANWAY (TOP)
N4	2"	150#	CPLG	HALF IN/HALF OUT	VENT
N5	24"	150#	F.F.	4"	MANWAY
N6	2"	150#	CPLG	HALF IN/HALF OUT	OUTLET
N7	2"	150#	CPLG	HALF IN/HALF OUT	OUTLET
N8	2"	150#	CPLG	HALF IN/HALF OUT	INLET



	BY	DATE
DRAWN	JK	10-19-98
CHECKED	MK	10-21-98
MECH.		
STRUCT.		
ELECT.		
PIPING		
INSTR.		
PROCESS		



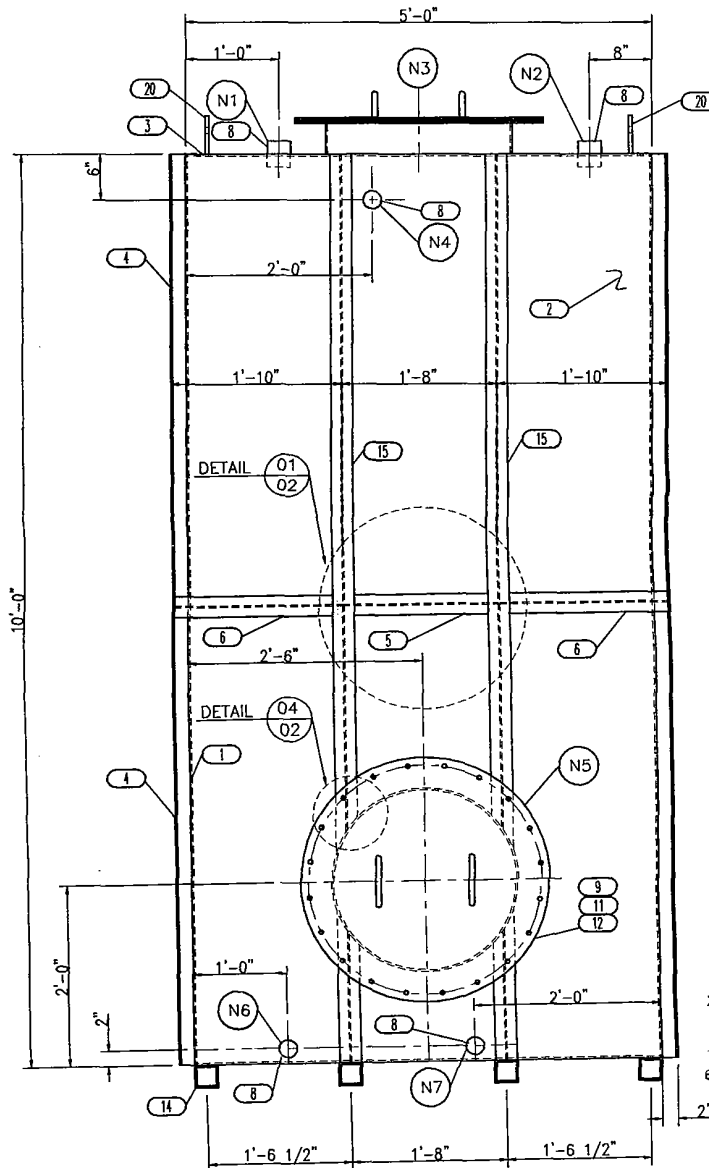
DENVER
MINERAL ENGINEERS, INC.

P.O. BOX 3556 LITTLETON COLORADO 80161 USA
PHONE (303)932-6280 FAX (303)932-6205

MECHANICAL
3000 GAL. WATER STORAGE TANK
ELEVATION & PLAN VIEW

ELEVATION & PLAN VIEW	
SCALE 3/4" = 1'	APPROVED BY <i>Henry Keltner</i>
PLANT DATE 11-16-98	
ANTARCTIC SUPPORT SERVICES ENGLEWOOD, CO	
PROJECT NO. J98593	DRAWING NO. M-100-01
REV. 	

RECEIVED NOV 19 1998



ELEVATION

X 1 1/2" SCALE
 AS NOTED
 BY *He-RK* DATE 11/23/9
 ANTARCTIC SUPPORT ASSOCIATES
 ENGINEERING DIVISION

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			▲	ISSUED FOR APPROVAL	JK	MK	10-21-9
			▲	ISSUED FOR CONSTRUCTION	JK	MK	10-27-9
			▲	RE-ISSUED FOR CONSTRUCTION	JK	MK	11-16-9
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OPERATION AND MAINTENANCE INSTRUCTIONS

Inspection of steel tanks should occur, at a minimum, of once a year unless it is an underground tank. The following guidelines have been provided by Denver Mineral Engineers to increase the life span of above ground steel storage tanks.

ABOVEGROUND STEEL TANKS

- 1) Do not operate tank under added pressure, positive or negative; tanks are designed for atmospheric operation only. If tank is to be designed for pressure, this pressure must never exceed 1-2 psi; after this it becomes a pressure vessel, not a tank. If allowed, open manway during the filling process. If this is not allowed, caution should be used when completion of the filling process is near. Do not allow excessive pressure into tank. For filling and safety purposes, be sure your vent is as large or larger than the largest inlet or outlet.
- 2) Tank is warranted for the chemicals and operating conditions listed on the nameplate. If you want to use operating conditions not listed on the nameplate, please consult factory before changing the operating conditions.
- 3) Once a month check all piping connections for corrosion resistance and tightness.
- 4) When not in use, store tank in the upright position. Make sure all liquid is drained from the tank and adjacent plumbing. When storing the tank in temperatures below freezing, all liquid MUST be drained from the tank.