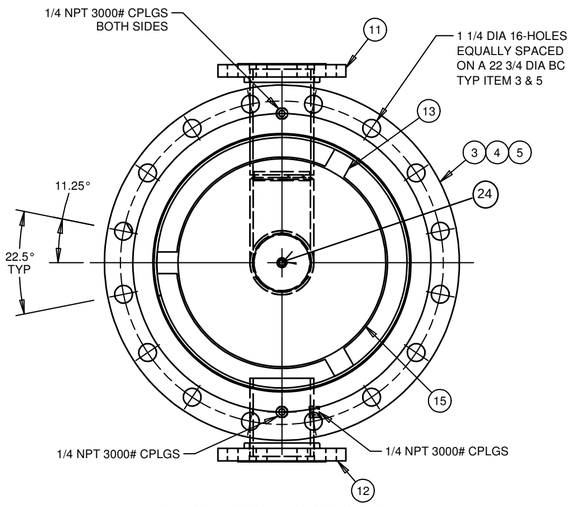
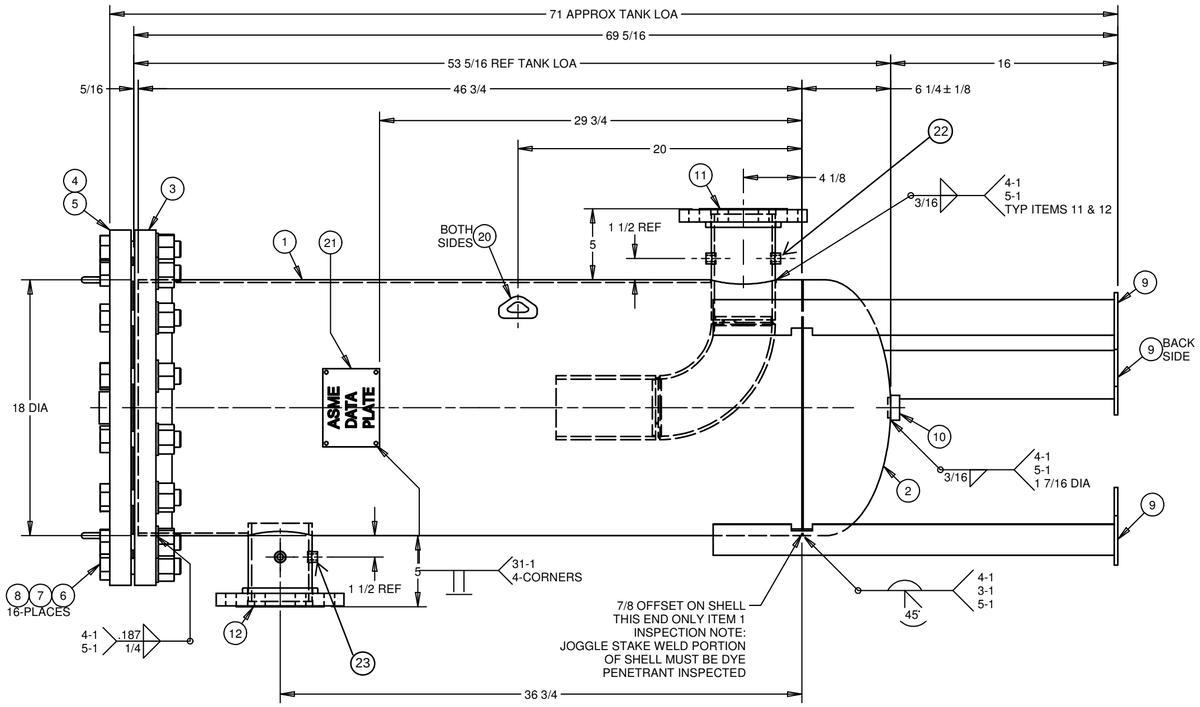
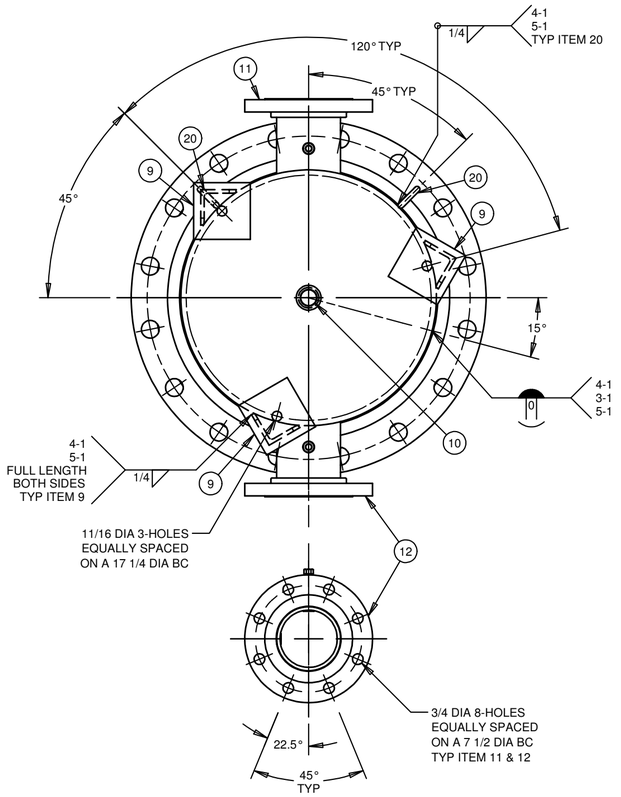
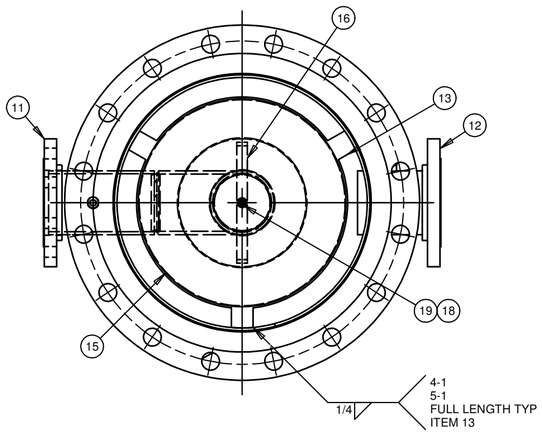
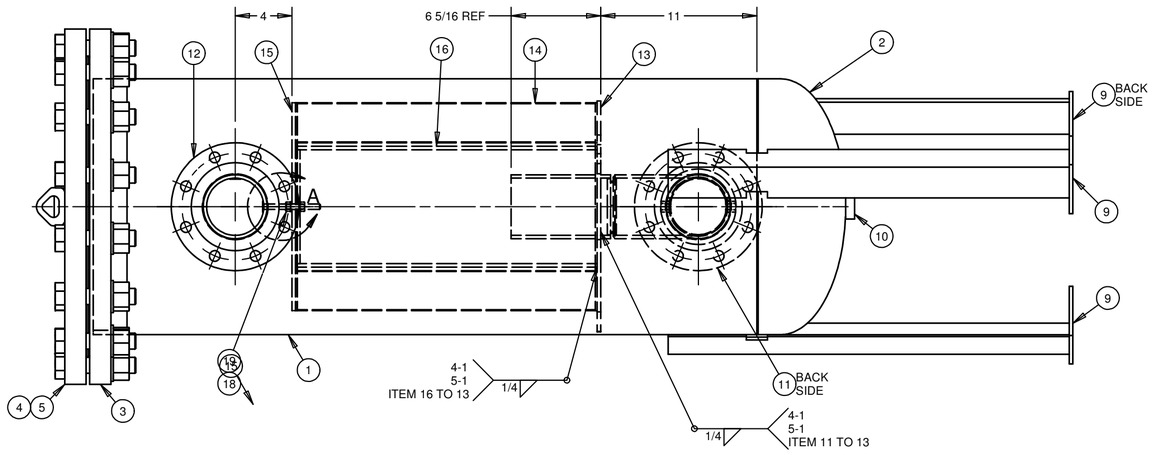


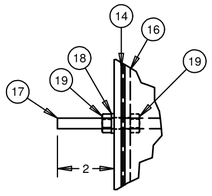
REMOVED COVER FOR CLARITY



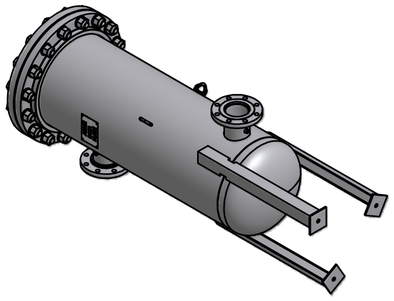


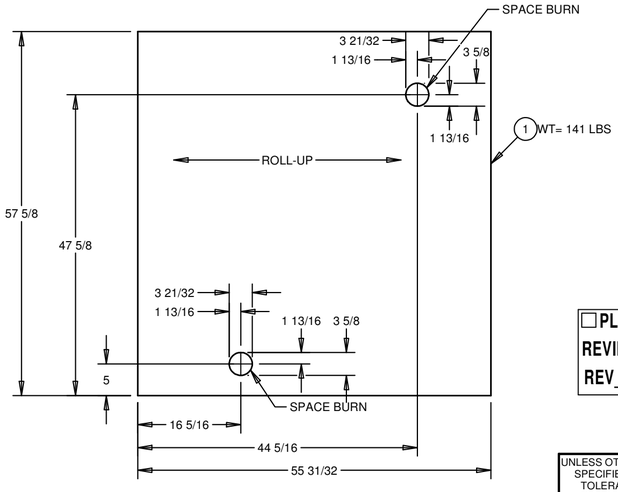






DETAIL A





1. SHELL **.187** NOM **SA414 GR G** P.V.Q.
   DES. THK. **.094** E= **70**%
   HEADS **.177** MIN **SA414 GR G** P.V.Q.
   DES. THK. **.094** S= **85**%
2. WORKING PRESSURE **150** PSI
3. TEST PRESSURE **HYDRO 195** PSI
4. TEMPERATURE MIN. **-20** ℉ MAX **400** ℉
5. ALL WELDED FITTINGS MUST BE HELD PERPENDICULAR TO CENTERLINE WITHIN 3/8" IN 12"
6. IMPACT TEST EXEMPT PER PAR.UG-20(F)
7. SPECIFICATIONS:
   CALCULATED WEIGHT: 662 LB
   CALCULATED CAPACITY: **60** GALLONS
8. CRN- **NONE**
9. N.D.T.- **PT.**
10. FINISH- SEE **139-978** FINISH SPEC

ITEM	QTY	PART NUMBER	DESCRIPTION
24			SAFETY RELIEF VALVE PORT
23			AUTOMATIC DRAIN VENT PORT
22			AUTOMATIC DRAIN VENT PORT
21	1	66-718	DATA PLATE ASME SST
20	2	67-4827	LIFTING LUG PHOENIX 2-898-MINI
19	2	46-1930	NUT 3/8-16 UNC HEX ZINC PLTD
18	1	46-1954	WASHER FLAT 3/8 ZINC PLTD
17	1	48-4664	STUD 3/8-16 UNC X 4 LG SA193 B8 T304
16	1	69-4631	BRACKET ASSY
15	1	69-4629	TOP PLATE .250 X 14.63 OD
14	1	69-4628	FILTER ELEMENT (E 1500)
13	1	69-5593	SUPPORT PLATE 0.250 X 17.63 OD
12	1	48-5024	FLG 4.000 150# RFSO & PIPE ASSY S40 0.237W X 5.88
11	1	48-5025	FLG 4.000 150# RFSO, ELBOW & PIPE ASSY S40 0.237W
10	1	46-1410	FLG PILOT 1 NPT SA181-70
9	3	15-4935	LEG ASSY
8	16	46-5943	NUT 1 1/8-7 UNC HEX ZINC PLTD
7	16	46-6692	WASHER FLAT 1 1/8 ZINC PLTD
6	16	47-0052	BOLT 1 1/8-7 UNC HEX X 5 ZINC PLTD
5	1	52-1698	COVER ASSY
4	1	67-1741	GASKET RING 18 150# NEOPRENE
3	1	45-841	FLG 18 150# RFSO SA105
2	1	139-978-2	HEAD - ELL 18 DIA (910-308)
1	1	139-978-1	SHELL 0.187 X 47.63 X 55.96

☐PLASMA ☐PLATE
REVIEW DATE_____
REV_____INIT_____

REV	DESCRIPTION	BY	DATE
C	71" WAS 73", 69 5/16" WAS 71 5/16",16" WAS 18"	AG	6/22/17
B	ITEM 17 WAS A BOLT. CHANGED TO THREADED STUD	KAT	5/5/17
A	ISSUED		

UNLESS OTHERWISE SPECIFIED INCH TOLERANCES
.X.....±.1
.XX.....±.02
.XXX.....±.005
FRACTIONS.....±1/16
ANGLE.....±1 °
FINISH.....250
THIRD ANGLE PROJ

TITLE: 50-18-60-150 ASME VESSEL

MODEL: MEL 1500

CUST DWG NO: **NONE**
TYPE: **ASME**

nano PURIFICATION SOLUTIONS

DRAWN	CHECKED	DRAWING NO	REV
IDV 5/2/2017		**139-978**	**C**

SIZE: C SHEET 1 OF 1

(BUILT IN ACCORDANCE WITH LATEST EDITION OF SECTION VIII DIV 1 ASME CODE)

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