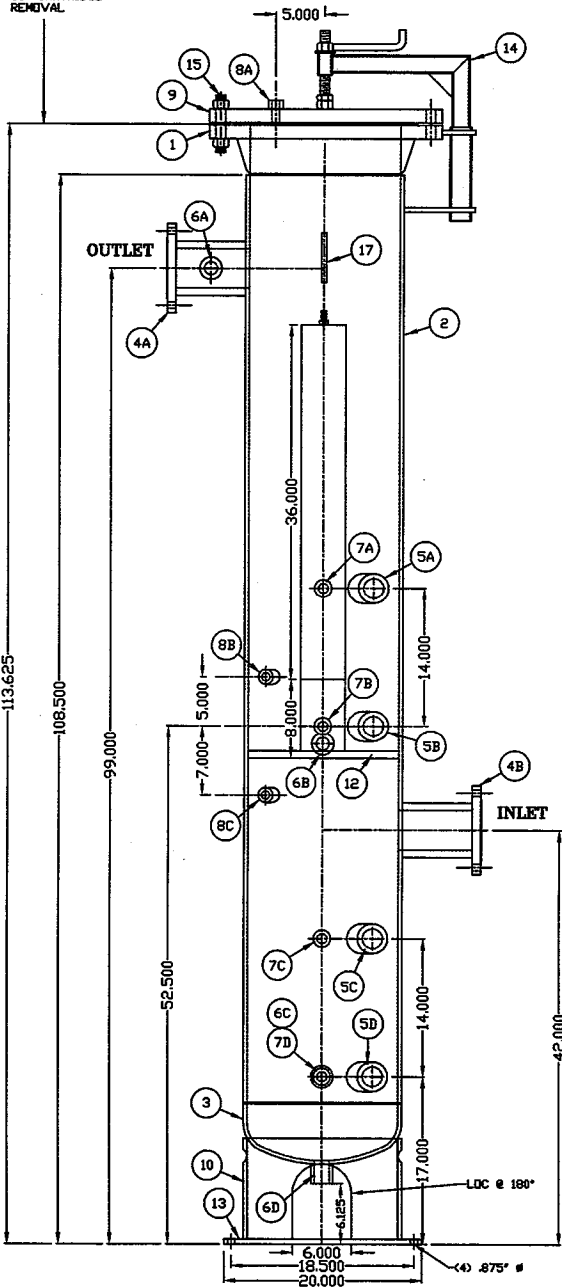


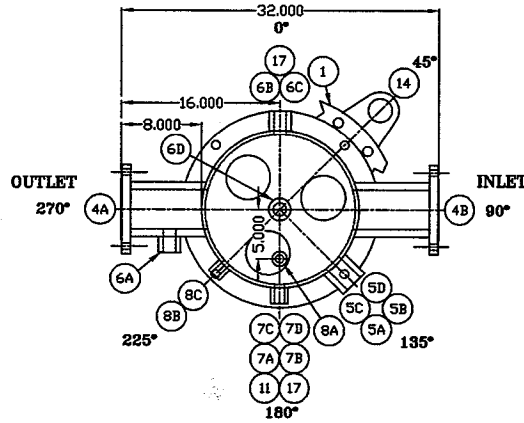
38" CARTRIDGE REMOVAL



ELEVATION VIEW ONLY

OPENING SCHEDULE

1	ENTRY	16"-150# RFWN
4A	OUTLET	4"-150# RFLWN
4B	INLET	4"-150# RFLWN
5A 5B 5C	5D	1.5"-6000# THD FULL CPLG
6A	SUPPLY GAS	1"-6000# THD FULL CPLG
6B	LIQUID OUT (LVC)	1"-6000# THD FULL CPLG
6C	LIQUID OUT (LVC)	1"-6000# THD FULL CPLG
6D	DRAIN	1"-6000# THD FULL CPLG
7A 7B 7C	7D	3/4"-6000# THD FULL CPLG
8A	VENT	1/2"-6000# THD FULL CPLG
8B	DP LOW	1/2"-6000# THD FULL CPLG
8C	DP HI	1/2"-6000# THD FULL CPLG



TRUE ORIENTATION VIEW

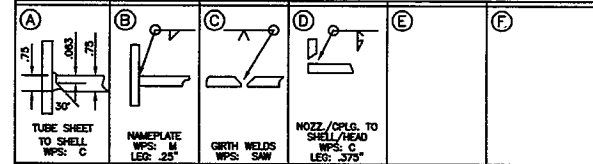
ITEM	QTY	DESCRIPTION	MATERIAL	HEAT #
1	1	16"-150# RFWN STD BORE	SA-105	
2	1	16" OD x .375" w/t SMLS	SA-106-B	
3	1	16" OD x .375" w/t ELL HD HIC TESTED	SA-516-70	
4	2	4"-150# RFLWN	SA-105	
5	4	1.5"-6000# THD FULL CPLG	SA-105	
6	4	1"-6000# THD FULL CPLG	SA-105	
7	4	3/4"-6000# THD FULL CPLG	SA-105	
8	3	1/2"-6000# THD FULL CPLG	SA-105	
9	1	16"-150# RF BLIND	SA-105	
10	1	16" OD x .375" w/t SKIRT	SA-106-B	
11	1	CRALL NAMEPLATE ASSY.	CS/SS	
12	1	15" OD x .75" THK PLATE	SA-516-70	
13	1	20" OD x .500" THK PLATE	SA-36	
14	1	DAVIT ASSY.	SA-36	
15	16	1" x 5.5" STUD w/2HM NUTS	SA-193-B7M	
16	1	16"-150# SPIRAL WOUND GASKET	SS/GRAPH	
17	2	.500" THK LIFTING LUG	SA-36	
18				
19				
20				
21				

CARTRIDGES		
NO.	CARTRIDGE NO.	SUPPLIED BY
3	536	HI PLAINS
ADDITIONAL EQUIPMENT		
3	8" LONG RISERS	WW TANK & VESSEL

DESIGN INFORMATION	
ASME CODE STAMP PER SEC.VIII DIV.1 ED. 2017	
MAWP: 250 PSIG @ 150°F	
MDMT: -20°F @ 250 PSIG	
NAT'L BD. REGISTER: YES	
CORROSION ALLOWANCE: .125"	
POSTWELD HEAT TREAT: 1150° F / 1HR	
LETHAL SERVICE / NACE MRO 175	

NON DESTRUCTIVE TESTING	
1	RADIOGRAPHY RT-1
2	ULTRASONIC NONE
3	MAGNETIC PARTICLE NONE
4	DYE PENETRANT NONE
5	HYDRO TEST PRESSURE (CHART: NONE) 325 PSIG
6	BRINELL 200 MAX

COATING SPECIFICATIONS	
SURFACE PREP	SSPC-SP-10
PRIMER	RED OXIDE
INTERM COAT	NONE
FINISH COAT	HIGH SOLIDS URETHANE - DESERT TAN



WELD NOTES:
 1. WELD GAPS TO BE .125" UNLESS OTHERWISE NOTED.
 2. ALL ROUND SEAMS TO BE 60° V WELD ALL AROUND, MADE FROM EXTERIOR UNLESS OTHERWISE NOTED.
 3. ALL NOZZLE TO SHELL CONNECTIONS TO BE 30° BEVEL WITH .25" FILLET ALL AROUND MADE FROM EXTERIOR UNLESS OTHERWISE NOTED.
 4. ALL NON PRESSURE PARTS WILL BE .25" FILLET ALL AROUND, UNLESS OTHERWISE NOTED.

CRALL INVOICE/JOB NO:	496691	CUSTOMER:	HI PLAINS FILTRATION
MODEL NO:	HPVC-3536-16-250-4F	PO NO:	1027261
WFS:	M, C, SAW	TAG NO:	
REF. UG22 LOADINGS:	EXTERNAL LOADS DO NOT CONTROL	EST WT:	1100 LBS
NAME:	HPVC-3536-16-250-4F		
FOR:	HI PLAINS FILTRATION		
	FOR 4TH APPROVAL		

DATE	BY	REVISION	COMMENTS	DATE	QUALITY
2-14-19	JRW	1	CHANGED ELEVATIONS	2-18-19	WW TANK & VESSEL
		2	CHANGED ELEVATIONS	2-22-19	ENGINEERED PRODUCTS
		3	CHANGED ELEVATIONS	2-22-19	CRALL PRODUCTS CO.

DATE: 2-14-19 DATE: SCALE: 1=10 SHT. 1 SERIAL NO: 496691

NOTE: PRESSURE RELIEF PROTECTION TO BE SUPPLIED IN PROCESS LINE BY OWNER/USER.