FOUNDATION LOADINGS (1)

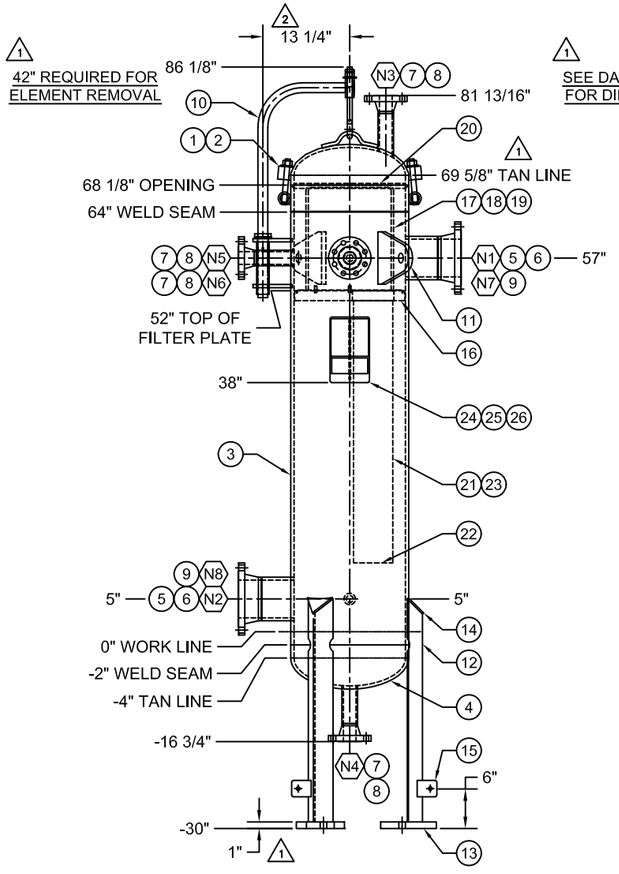
CONDITION	SHEAR (lb(f))	MOMENT (lb(f)-ft)
WIND-EMPTY	246	1,312
WIND-OPER.	246	1,312
SEISMIC-EMPTY	755	4,792
SEISMIC-OPER.	1,109	6,871

ALLOWABLE NOZZLE LOADS

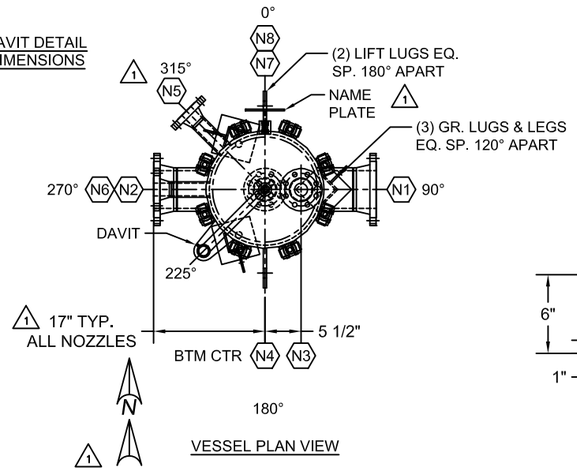
MARK	Pr(lb(f))	Vc(lb(f))	Vl(lb(f))	Mc(lb(f)-ft)	Ml(lb(f)-ft)	Mt(lb(f)-ft)
N1,N2	1,600	1,200	1,600	1,600	2,100	2,400
N3,N4A, N4B,N5,N6	630	470	630	210	270	310

NOZZLE SCHEDULE

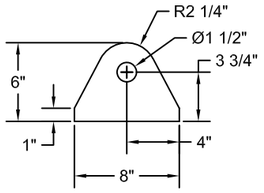
MARK	QTY	SERVICE	SIZE	RATING	TYPE
N1	1	INLET	6"	150#	RFWN
N2	1	OUTLET	6"	150#	RFWN
N3	1	VENT	2"	300#	RFWN
N4	1	DRAIN	2"	300#	RFWN
N5	1	STEAM OUT	2"	300#	RFWN
N6	1	PSV	2"	300#	RFWN
N7,N8	2	SAMPLING PORTS	3/4"	6000#	NPT CPLG



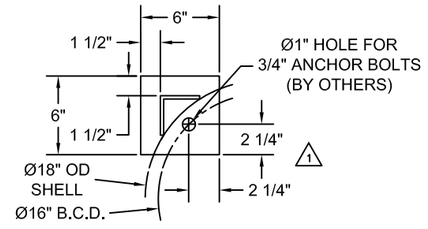
ELEVATION - 18" OD x 17" ID SHELL (1)
SEE VESSEL PLAN VIEW FOR TRUE ORIENTATIONS



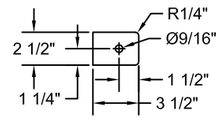
VESSEL PLAN VIEW (1)



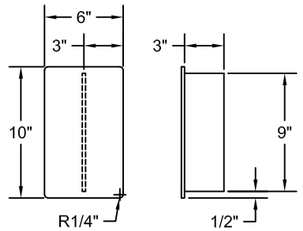
LIFT LUG DETAIL



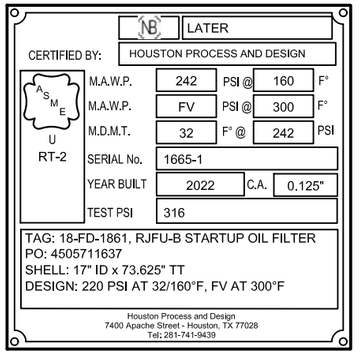
MOUNTING DETAIL (1)
ANCHOR BOLT - ASTM F1554, Gr 36



GROUND LUG DETAIL (2)
DO NOT PAINT



NAMEPLATE BRACKET DETAIL
SEAL WELD NAMEPLATES TO BRACKET



(1)



NAMEPLATE DETAILS
SEAL WELD NAMEPLATES TO BRACKET

INSPECTION

IN HOUSE: ALL ITEMS ARE INSPECTED BY OUR Q.C. REPRESENTATIVE.
CODE:AUTHORIZED INSPECTION ASSOCIATES
CUSTOMER/THIRD PARTY: CUSTOMER TO ADVISE

DESIGN

DESIGN & CONSTRUCTION CODE:	ASME SECTION VIII, DIVISION 1, EDITION '2021'		
CODE STAMP:	YES	NATIONAL BOARD:	YES
OTHER:	N/A	NACE COMPLIANT:	NO
INTERNAL DESIGN:	220 PSIG AT 160 °F	INTERNAL C.A.:	0.125"
MAWP:	242 PSIG AT 160 °F	LIMITED BY:	CLOSURE RING
MAP:	242 PSIG AT 100 °F	LIMITED BY:	CLOSURE RING
MDMT:	32 °F AT 242 PSIG	IMPACTS REQUIRED:	NO
EXT. DESIGN:	(FV) -15 PSIG AT 300 °F	EXTERNAL C.A.:	NONE
LONG. SEAM JOINT EFF.:	100%	CIRC. SEAM JOINT EFF.:	85%
PWHT:	NO		

WIND: ASCE 7-16, 101 MPH, CAT. III, EXP. C
SEISMIC: ASCE 7-16, CLASS D, IMP. 1.25, Ss = 1.616g, S1 = 0.579g, CAT. III

ELEMENT INFORMATION: (2)
P/N: HFU640GF060H13, QTY: 3, MATERIAL: GLASS FIBER
EFECTIVE LENGTH: 40", TOTAL FILTER AREA: 89 FT² EA. (267 FT² TOTAL)
ALLOWABLE CHANGEOUT DP: 30 PSID, ELEMENT COLAPSE DP: 50 PSID (3)

PRESSURE TEST REQUIREMENTS

HYDRO-TEST PRESSURE:	316 PSIG	HYDRO-TEST CERTIFICATE:	YES
HYDRO-TEST DURATION:	1 HR(S)	HYDRO-TEST CHART (P OR P&T):	YES, P&T
HYDRO-TEST ORIENTATION:	VERTICAL	MAX. CHLORIDE CONTENT:	50 ppm
-	-	RE-PAD AIR & SOAP TEST:	N/A

NOTES:
1. REFERENCE HP&D HYDRO-TEST PROCEDURE FOR ADDITIONAL REQUIREMENTS.

COATINGS / INSULATION / FIREPROOFING

PAINT SPEC: A8KM-PP-000-500520-A
EXTERNAL: TABLE A-1, SYSTEM 1
PREP: NEAR WHITE BLAST (SSPC-SP10)
PRIMER: S.W. ZINC CLAD II (2.5-4 mils DFT)
INTERMEDIATE: S.W. MACROPOXY 646 (4-6 mils DFT)
FINISH: S.W. ACROLON 218HS (2-3 mils DFT)
FINISH COLOR: LIGHT GREY, RAL 7035

INTERNAL: NONE
PREP: CLEAN AND DESCALE
PRIMER: N/A
INTERMEDIATE: N/A
FINISH: N/A
FINISH COLOR: N/A

INSULATION: NONE
FIREPROOFING: NONE

GENERAL NOTES

1. ALL TAIL DIMENSIONS ARE TAKEN FROM WORKLINE UNLESS OTHERWISE NOTED.
2. BOLT HOLES SHALL STRADDLE NORMAL VESSEL CENTERLINES UNLESS OTHERWISE NOTED.
3. VESSEL FABRICATION & DIMENSIONAL TOLERANCES SHALL BE PER THE DESIGN AND CONSTRUCTION CODE AND FIGURES 1 AND 2 OF A8KM-PP-000-50801.
4. ALL PRESSURE CONTAINING MATERIAL SHALL HAVE HEAT NO.'S AND/OR MATERIAL GRADES STENCILED OR MARKED FOR TRACEABILITY.
5. SEE DRAWING 1665-A2 FOR BILL OF MATERIALS.
6. SEE DRAWING 1665-A3 FOR WELD AND NDE REQUIREMENTS.

SHIPPING AND MARKING NOTES

1. SHIPPING PREP: ALL FLANGE FACES TO BE COVERED WITH NEOPRENE GASKETS, 1/8" THK STEEL COVERS NO SMALLER THAN FLANGE OD AND SECURED WITH (4) BOLTS MIN. SHIPPING COVERS SHALL BE PAINTED YELLOW.
2. VESSEL(S) SHALL SHIP STRAPPED TO WOODEN SADDLES.
3. NITROGEN BLANKET (N2 PURGE) NOT REQUIRED.
4. ALL INTERNAL HARDWARE NOT INSTALLED SHALL SHIP LOOSE.
5. ESTIMATED WEIGHTS:
   EMPTY: 1,200 LBS.
   FULL OF WATER: 2,000 LBS.
   OPERATING: 1,800 LBS.

Rev. No.	Revision Description	Drawn	Date	Check	Date
6					
5					
4					
3	REVISED ELEMENT INFO	RC	11/17/2022		
2	REVISED PER COMMENTS	RC	10/5/2022		
1	REVISED PER COMMENTS	LC	8/22/2022		
0	FIRST ISSUE - FOR APPROVAL	LC	6/23/2022		

Customer:	AIR PRODUCTS / FLUOR
P.O. No.:	4505711637 (1)
Location:	PARAMOUNT, CA
Project:	WORLD ENERGY RENEWABLES PROJECT
Project No.:	EN-20-XXXX / A8KM
Tag:	18-FD-1861
Service:	RJFU-B STARTUP OIL FILTER (1)
Drawing Type:	GENERAL ARRANGEMENT

PALL CORPORATION
WWW.PALL.COM

Work Order:	4505325983
Model No.:	VV003HF4S18AF1C
Quantity:	ONE
Shop No.:	1665-1
Drawing No.:	1665-A1