FOUNDATION LOADINGS (1)

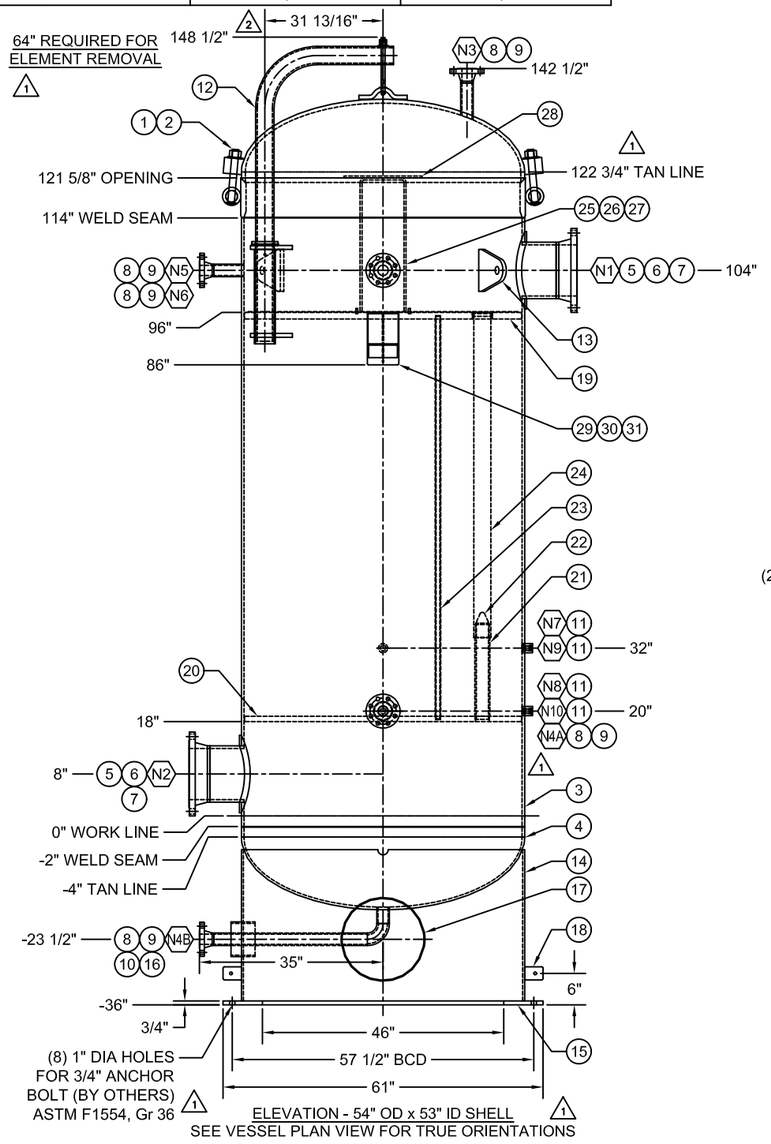
CONDITION	SHEAR (lb(f))	MOMENT (lb(f)-ft)
WIND-EMPTY	1,312	9,441
WIND-OPER.	1,312	9,441
SEISMIC-EMPTY	2,455	24,204
SEISMIC-OPER.	6,153	59,141

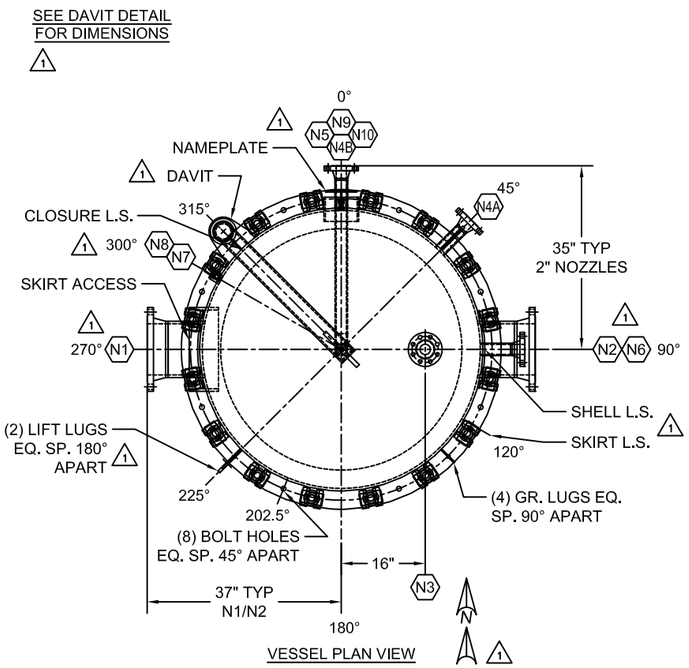
ALLOWABLE NOZZLE LOADS

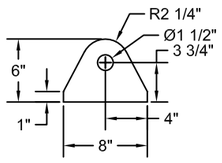
MARK	Pr(lb(f))	Vc(lb(f))	Vl(lb(f))	Mc(lb(f)-ft)	Ml(lb(f)-ft)	Mt(lb(f)-ft)
N1,N2	2,700	2,000	2,700	4,400	5,800	6,600
N3,N4A, N4B,N5,N6	630	470	630	210	270	310

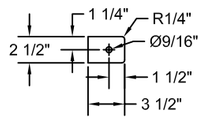
NOZZLE SCHEDULE

MARK	QTY	SERVICE	SIZE	RATING	TYPE
N1	1	INLET	10"	150#	RFWN
N2	1	OUTLET	10"	150#	RFWN
N3	1	VENT	2"	300#	RFWN
N4A	1	UPPER DRAIN	2"	300#	RFWN
N4B	1	LOWER 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
N9,N10	2	SAMPLING PORTS	3/4"	6000#	NPT CPLG

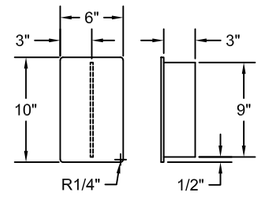








(1)



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:	160 PSIG AT 160 °F	INTERNAL C.A.:	0.125"
MAWP:	165 PSIG AT 160 °F	LIMITED BY:	CLOSURE RING
MAP:	165 PSIG AT 100 °F	LIMITED BY:	CLOSURE RING
MDMT:	32 °F AT 165 PSIG	IMPACTS REQUIRED:	NO
EXT. DESIGN:	(FV) -15 PSIG AT 300 °F	EXTERNAL C.A.:	NONE
-	-		-
LONG. SEAM JOINT EFF.:	85%	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: LCS4PXSH, QTY: 80, MATERIAL: POLYESTER
EFECTIVE LENGTH: 40", TOTAL FILTER AREA: 952 FT² (3)
ALLOWABLE CHANGEOUT DP: 15 PSID, ELEMENT COLAPSE DP: 30 PSID

PRESSURE TEST REQUIREMENTS

HYDRO-TEST PRESSURE:	215 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:	25 PSIG

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-B2 FOR BILL OF MATERIALS.
6. SEE DRAWING 1665-B3 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: 6,300 LBS.
   FULL OF WATER: 18,000 LBS.
   OPERATING: 15,500 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-1859
Service:	GREEN DIESEL PRODUCT FILTER
Drawing Type:	GENERAL ARRANGEMENT

PALL CORPORATION
WWW.PALL.COM

Work Order:	4505325983
Model No.:	VV080LL4S54AF1C
Quantity:	ONE
Shop No.:	1665-2
Drawing No.:	1665-B1