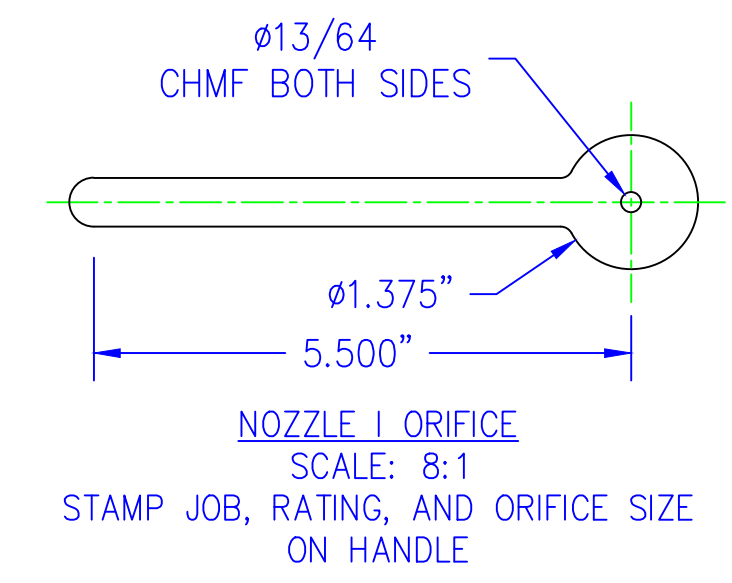
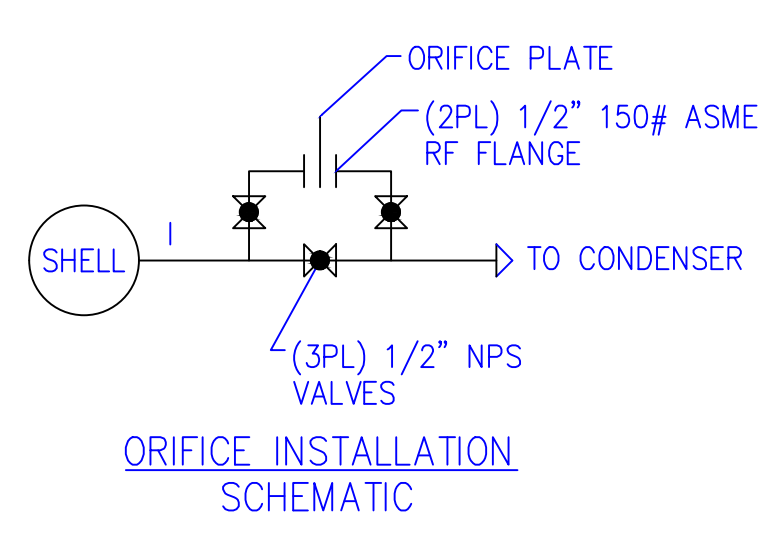
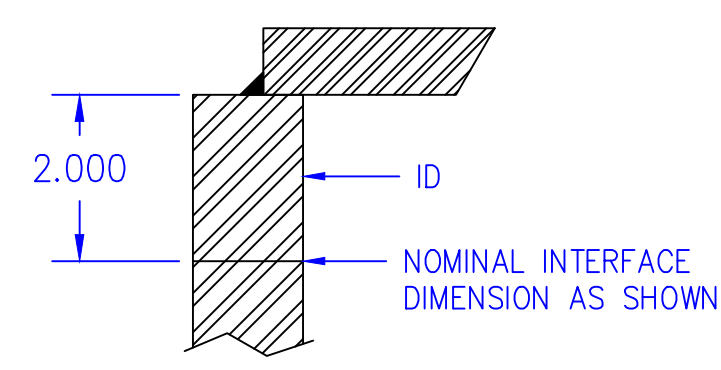
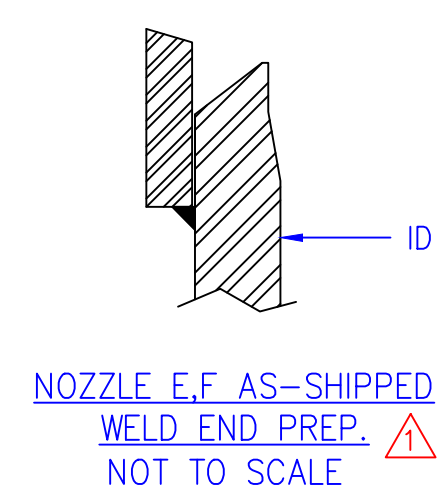
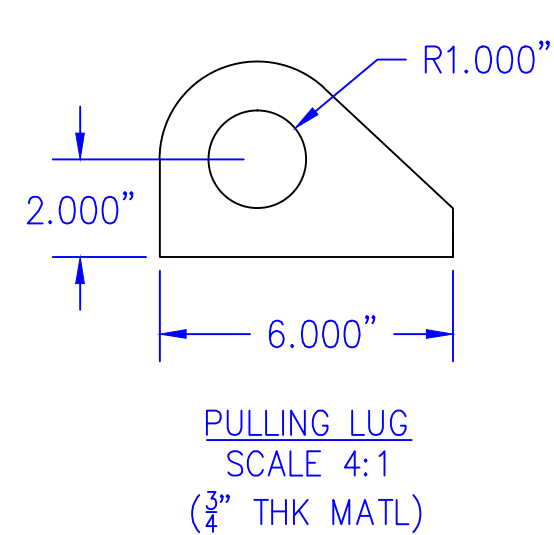
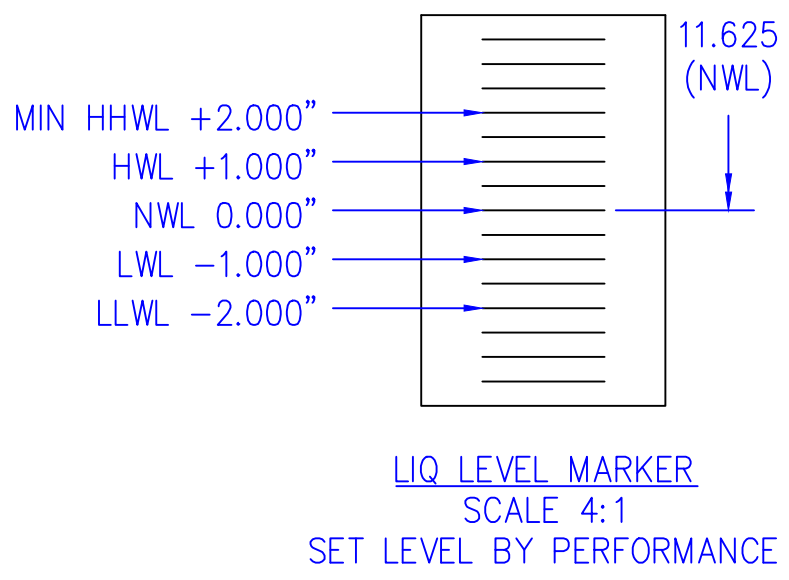
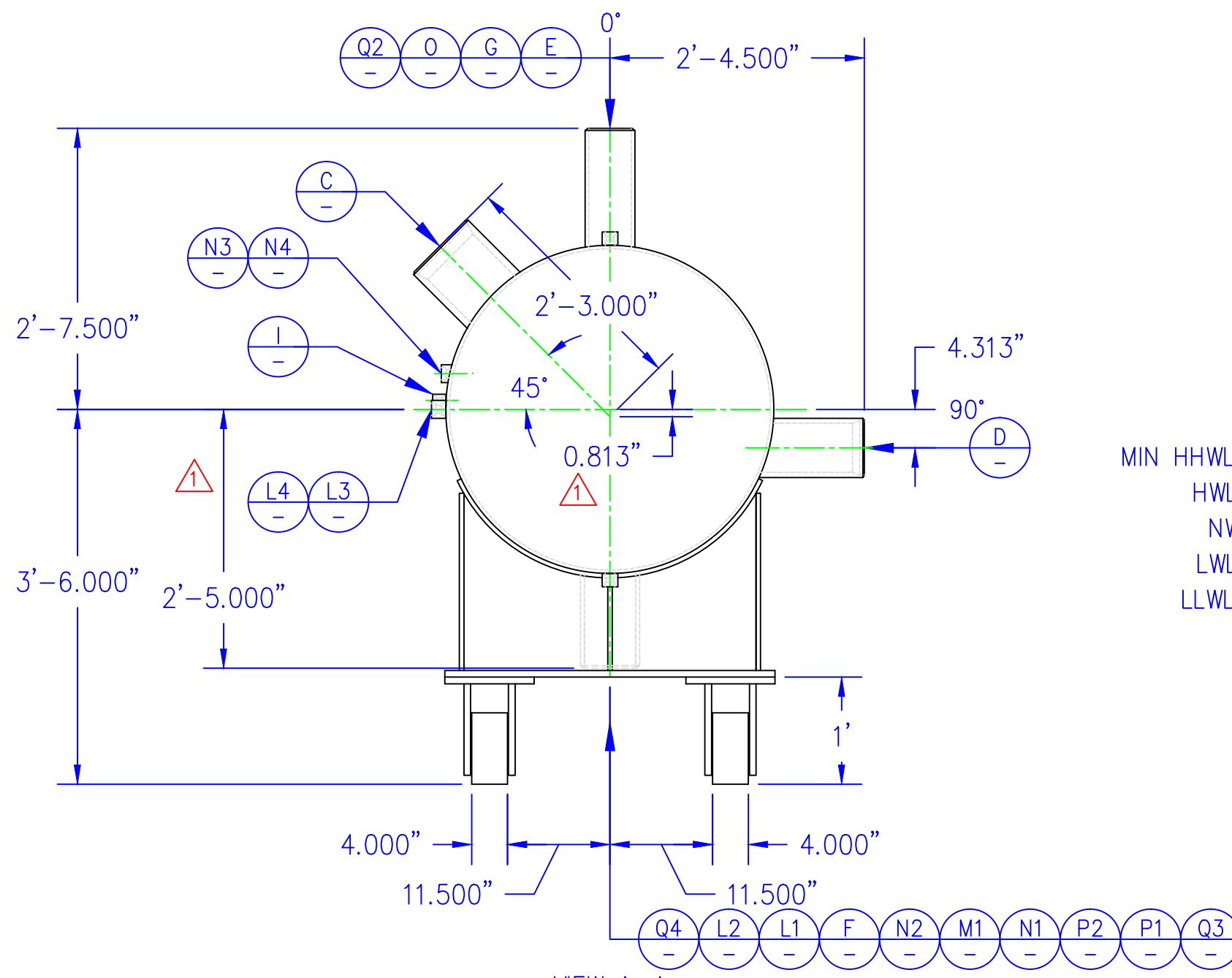
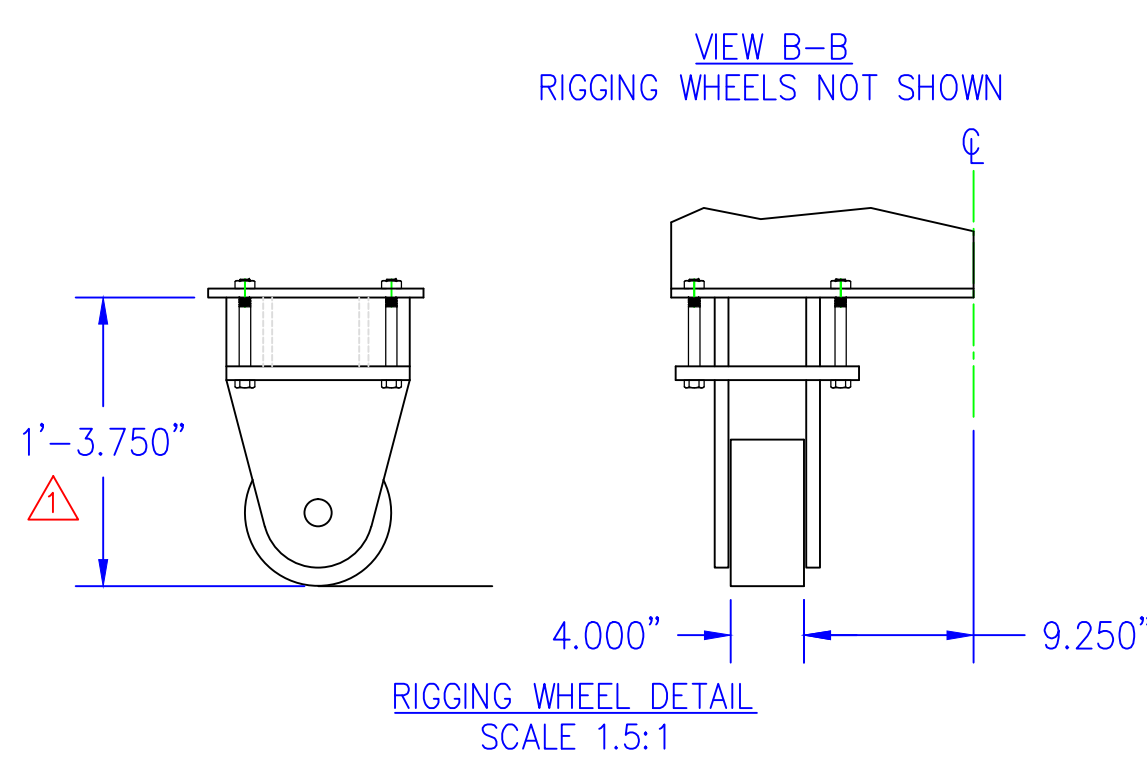
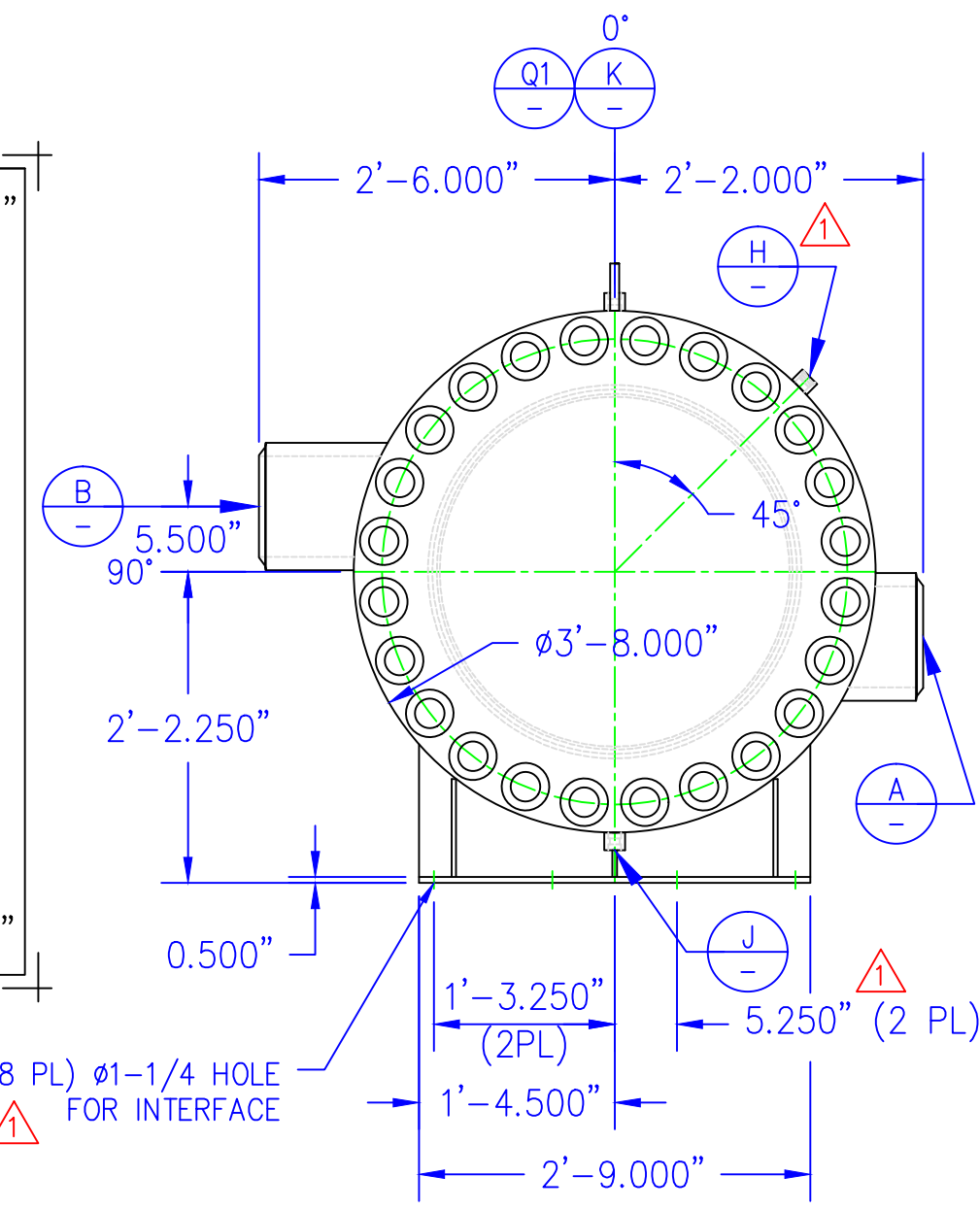
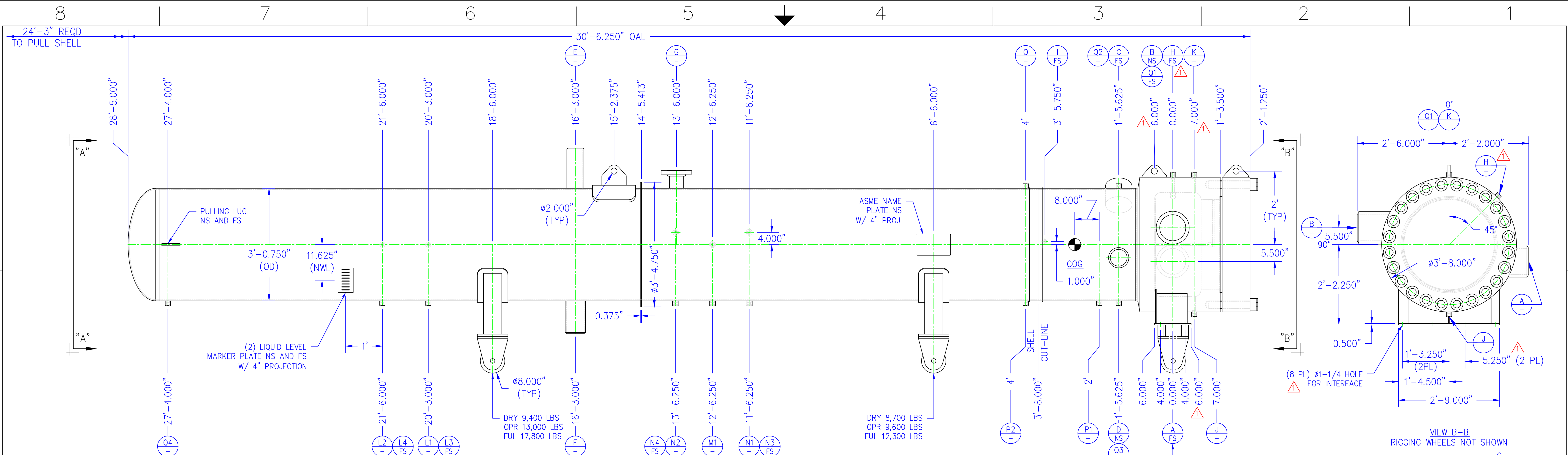




- GENERAL NOTES:
- BOLT HOLES STRADDLE CENTERLINES
 - PRIME WITH AM-EX SHOP COAT PRIMER
 - TAG AND SHIP LOOSE THE FOLLOWING:
 - (2) SETS OF SPARE GASKETS
 - (1) EA SHELL AND TUBE SIDE PRESSURE RELIEF VALVE
 - (1) ORIFICE PLATE
 - (1) SET TUBE PLUGS
 - (1) FLASH TANK AND PIPING (FLASH TANK IS NEAR SIDE)
 - SHIP UNDER NITROGEN
 - ALL LIFT LUGS RATED FOR ENTIRE DRY VESSEL WEIGHT
 - REMOVE FRONT SET OF WHEELS DURING OPERATION

Q	4	CHEMICAL CLEAN	1" NPS 6000# SOCKET WELD COUPLING	SA105
P	2	SHELL SIDE DRAIN	1" NPS 6000# SOCKET WELD COUPLING	SA105
O	1	SHELL SIDE VENT	1" NPS 6000# SOCKET WELD COUPLING	SA105
N	4	HIGH LEVEL ALARM	1" NPS 6000# SOCKET WELD COUPLING	SA105
M	2	LEVEL CONTROL CONNECTION	1" NPS 6000# SOCKET WELD COUPLING	SA105
L	4	GAUGE GLASS CONNECTION	3/4" NPS 6000# SOCKET WELD COUPLING	SA105
K	1	TUBE SIDE VENT	1" NPS 6000# SOCKET WELD COUPLING	SA105
J	1	TUBE SIDE DRAIN	1" NPS 6000# SOCKET WELD COUPLING	SA105
I	1	OPERATING AIR VENT	1/2" NPS 6000# SOCKET WELD COUPLING	SA105
H	1	TUBE SIDE RELIEF VALVE	3/4" NPS 6000# NPT COUPLING	SA105
G	1	SHELL SIDE RELIEF VALVE	4" NPS ASME 300# FLANGE	SA106 GRB / SA105
F	1	DRIPS INLET	6" NPS SCH 80 WELD END	SA335 P22
E	1	DRIPS INLET	5" NPS SCH 80 WELD END	SA335 P22
D	1	DRAINS OUTLET	6" NPS SCH 40 WELD END	SA106 GRB
C	1	STEAM INLET	8" NPS SCH 40 WELD END	SA106 GRB
B	1	FEEDWATER OUTLET	10" NPS SCH 160 WELD END	SA350 LF2 CL1
A	1	FEEDWATER INLET	10" NPS SCH 160 WELD END	SA350 LF2 CL1
MARK	QTY	DESCRIPTION	SIZE & RATING	MATERIAL

BUNDLE:	25,300 LBS
DRY:	30,700 LBS
OPERATING:	35,900 LBS
FULL:	44,200 LBS

SHELL:	SA516 GR70
CHANNEL:	SA350 LF2 CL1
TUBESHEET:	SA350 LF2 CL1
TUBES:	SA688 TP304 W/ 0.05 MAX C
COVERS:	SA350 LF2 CL1
FORGINGS:	SA350 LF2 CL1
GASKETS:	DIAPHRAGM; OPTIONAL SS WINDING
HARDWARE:	SA193 B7 / SA194 2H
STRUCTURAL:	SA36 OR BETTER
LIFT LUGS:	SA36 OR BETTER

ZONES / No. PASS	3 - ZONE	2 - PASS
MIN TEST TEMPERATURE (°F)	+60	+60
TEST PRESSURE (PSIG)	195	3,900
NDE	SPOT RT	NONE
PWHT	LOCAL HT	NONE
CORROSION ALLOWANCE (IN)	1/16"	1/16" EX TUBE
MDMT (°F)	+30	+30
DESIGN TEMPERATURE (°F)	650	405
DESIGN PRESSURE (PSIG)	150 & F.V.	3000

WRC 107 MAXIMUM ALLOWABLE LOADS				
NOZZLE	RADIAL LOAD (LBS)	NEG. RAD. LOAD (LBS)	LONG. MOMENT (FT-LBS)	CIRC. MOMENT (FT-LBS)
A/B	969,311	-555,888	498,247	336,349
C	5,738	-4,005	2,984	1,346
D/F	5,540	-3,512	1,709	919
E	4,474	-2,808	1,148	669
G	3,500	-2,222	763	474

AMERICAN EXCHANGER SERVICES, INC.

709 W. WISCONSIN ST.
HARTSFORD, CT 06107

WE ENERGIES OCPP - UNIT 5
SPECIFICATION 2016-100-M-SPC-001
55A HP FW HEATER
GENERAL ARRANGEMENT DRAWING

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SIZE: D

CODE IDENT: ASME VIII D1 ED2015 TEMA C, HEI

DRAWING NO: 4109-01-100

REV: 1

SHEET: 1 OF 1