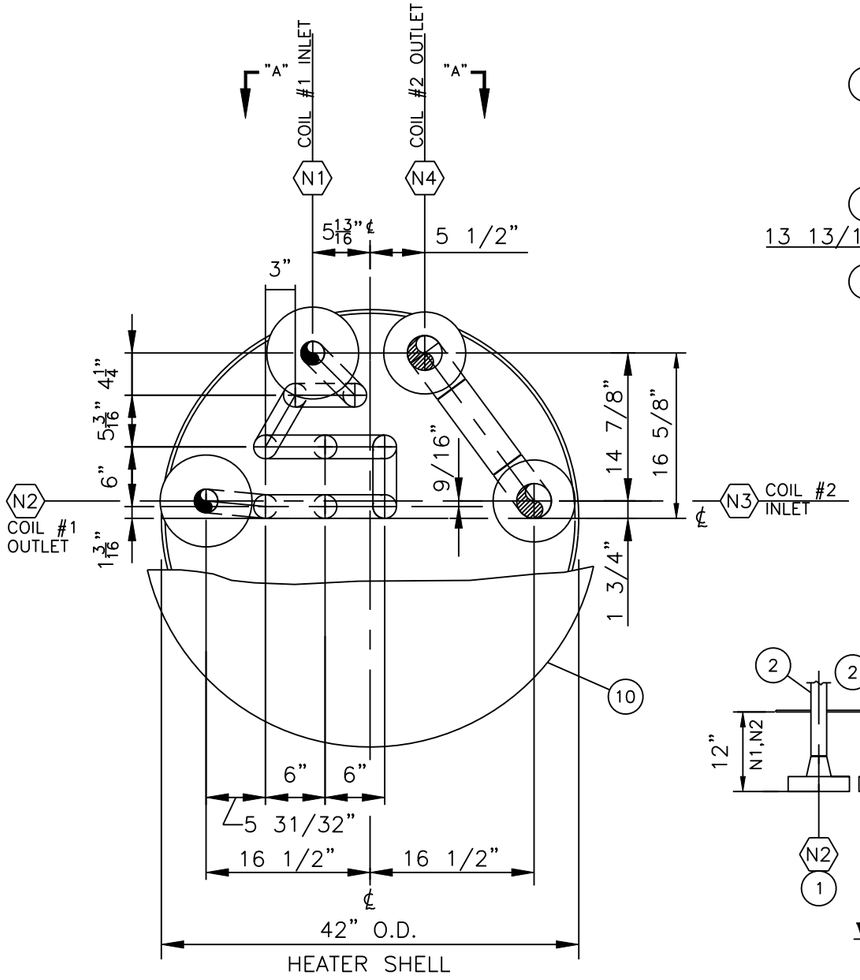
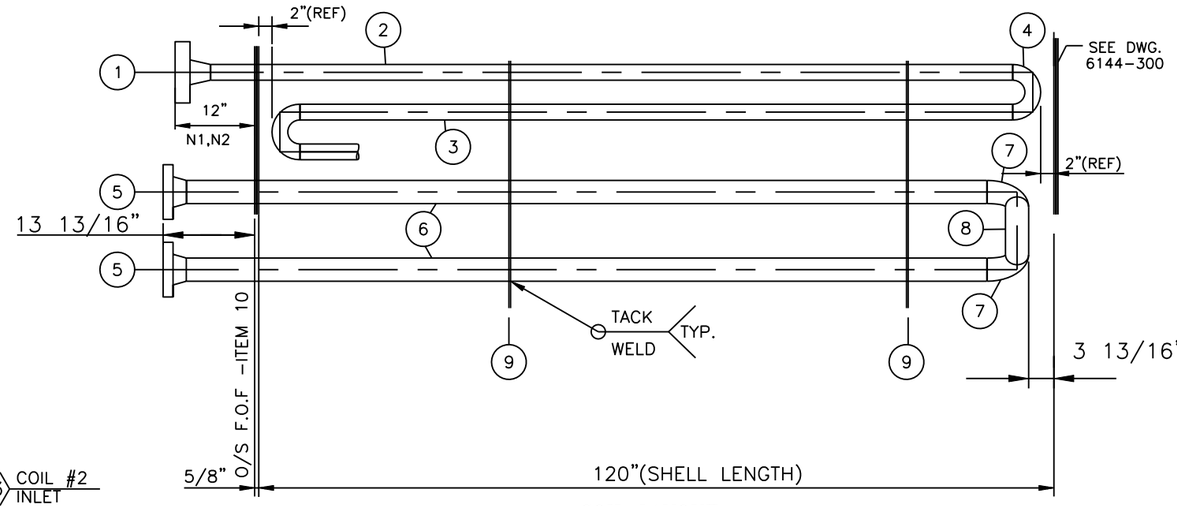
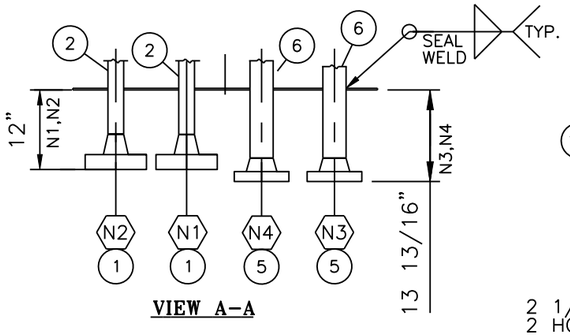
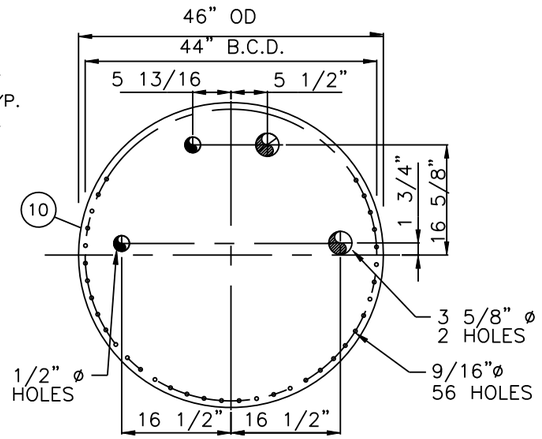


COIL END VIEW

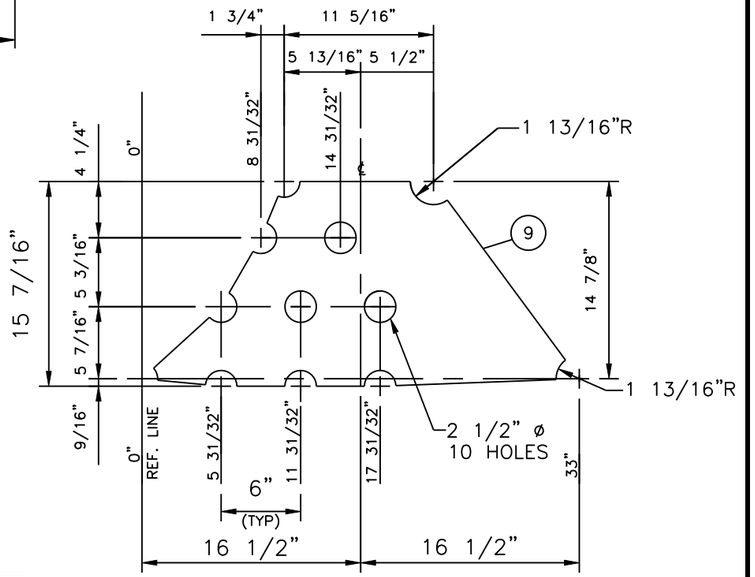




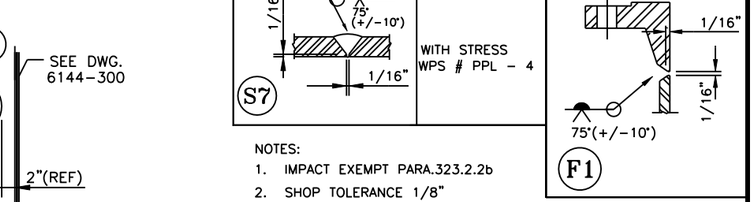
VIEW A-A



COIL END FLANGE



COILS SUPPORT PLATE



NOTES:
1. IMPACT EXEMPT PARA.323.2.2b
2. SHOP TOLERANCE 1/8"

BILL OF MATERIAL

ITEM	QTY.	DESCRIPTION	MATERIAL	WELD
1	2	2"- CL.2500 ASME RTJWN FLANGE (SCH.XXH BORE)	SA-105N	F1
2	2	2"- XXH PIPE X 121"LG	SA-106-B	S7
3	8	2"- XXH PIPE X 107 1/2"LG	SA-106-B	S7
4	9	2"- XXH LR BW 180° RETURN	SA-234-WPB	S7
5	2	3"- CL.600 ASME RFWN FLANGE (SCH.80 BORE)	SA-105N	F1
6	2	3"-SCH. 80 PIPE X 120 3/4"LG	SA-106-B	S7
7	2	3"-SCH.80 LR BW 90° ELL	SA-234-WPB	S7
8	1	3"-SCH. 80 PIPE X 9 3/8"LG	SA-106-B	S7
9	2	SUPPORT PL - 1/4"PL X 15 7/16" X 33" LG	SA-36/44W	
10	1	COIL END FLANGE - 1/4"PL X 46"OD	SA-36/44W	

DESIGN DATA

DESIGN AND FABRICATE TO A.S.M.E. B 31.3 CODE 2004 EDITION
COIL#1 DESIGN REGISTERED UNDER CRN# F-3086.23
COIL#2 DESIGN REGISTERED UNDER CRN# F-3319.23

	COIL #1	COIL #2
DESIGN PRESSURE	5625 PSIG	1350 PSIG
DESIGN TEMP.	200°F	200°F
STRESS RELIEF	1 HR @ 1150°F	1 HR @ 1150°F
RADIOGRAPHY	100%	100%
C.A.	1/16"	1/8"
HYDROSTATIC TEST PRESS.	8438 PSIG	2025 PSIG
VOLUME	1.17 CU.FT.	0.98 CU.FT.
SURFACE AREA	59.3 SQ.FT	19.7 SQ.FT
ESTIMATED WEIGHT	1000 LBS	270 LBS

FOR HEATER SEE DWG. 6144-300

PRIORITY PROJECTS LTD.
BOX 638, 1603-8 STREET, NISKU, ALBERTA TOC-2GO
TELEPHONE: (780) 955-3320 FAX: (780) 955-2561

NO.	DATE	REVISIONS	DRAWN	CHECK	DESIGN	APPR.
1	06 05 14	PROJECTION OF N3, N4 CHANGED	VI			DL
0	06 05 07	FOR FABRICATION	VI			
			DRAFTING		ENGINEERING	

550,000 BTU/HR HEATER COIL
COIL#1- 2"- XXH, 10 PASS
COIL #2- 3"-SCH.80, 2 PASS

CUSTOMER NAME	SCALE	DRAWING NUMBER	REV.
DEVON CANADA CORPORATION	NTS	6144-301	1
CUSTOMER DWG NUMBER			

B-STD-IS