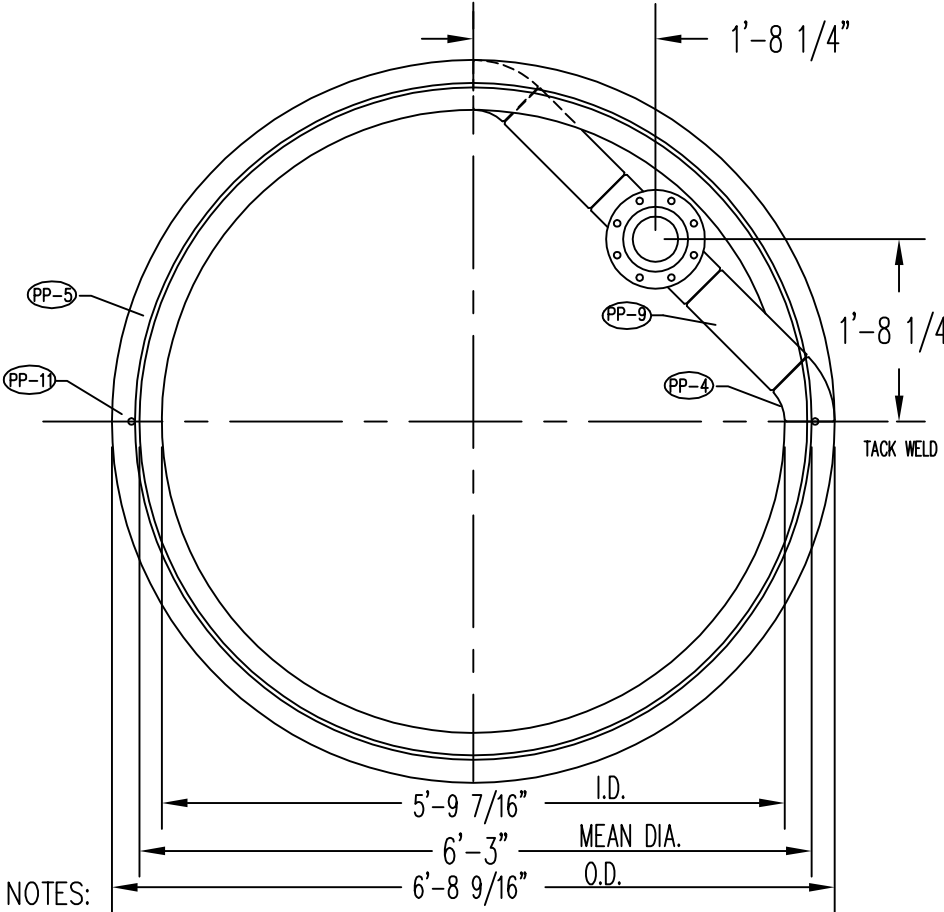


MATERIAL LIST

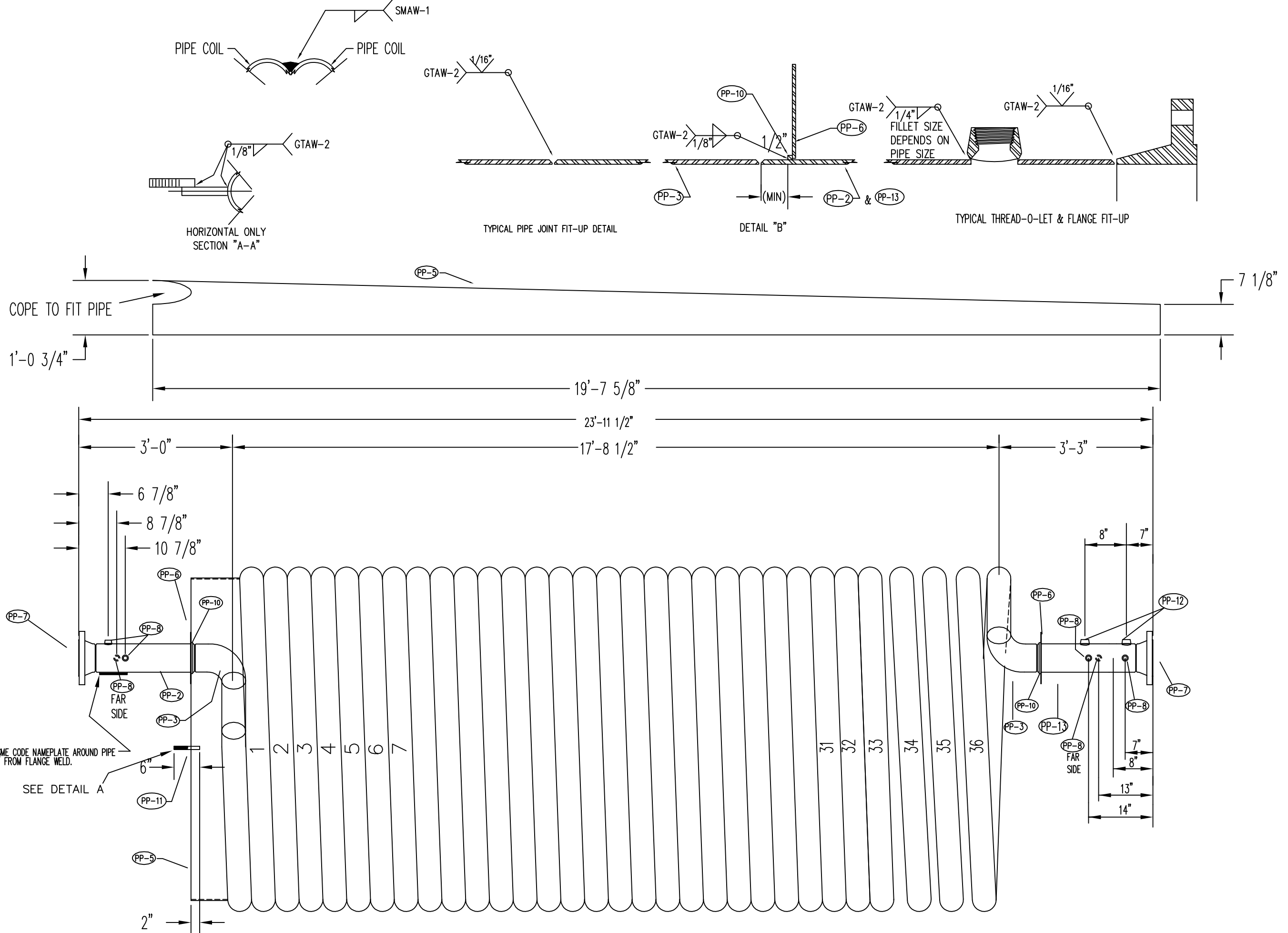
PP-1	721 FT	PIPE 5" SCH. 40 SEAMLESS (ASME CODE)
PP-2	1	PIPE 6" SCH. 40 SEAMLESS 1'-11" LONG (ASME CODE)
PP-3	2	WELD REDUCING ELBOW 90 6" X 5" SCH. 40 (ASME CODE)
PP-4	2	WELD ELBOW 45° 5" SCH. 40 (ASME CODE)
PP-5	1	SEAL RING 3/8" A-36 (SEE DETAIL)
PP-6	2	SEALPLATE #10 GA. STAINLESS STEEL 1" LARGER DIA. THAN FLANGE.
PP-7	2	FLANGE 6"-300 WELD NECK
PP-8	6	3/4"-3000# FORGED STEEL THREAD-O-LET
PP-9	2	PIPE 5" SCH. 40 SEAMLESS 1'-1 1/2" LONG (ASME CODE)
PP-10	2	3/8" SQUARE BAR STOCK ROLL TO FIT O.D. OF PIPE
PP-11	2	LOCKING BOLT 3/4" A-36 BOLT (SEE DETAIL)
PP-12	1	1"-3000# F/S THREAD-O-LET
PP-13	1	PIPE 6" SCH. 40 SEAMLESS 2'-2" LONG (ASME CODE)



NOTES:

1. MATERIAL SPEC. PIPE-ASME SA106 GR. B SCH. 40
WELD FITTINGS-ASME SA234 WPB, ANSI B16.9
FLANGES-ASME SA105, ANSI B16.5
2. DIRECTION OF WIND-RIGHT HAND
3. NUMBER OF LOOPS TOTAL 36 3/4.
4. TIGHT WOUND SECTION TO BE STITCH WELDED (GMAW-1 OR SMAW).
STITCH WELD LOCATION WILL BE ON EACH 90° CENTERLINE.
5. WEIGHT 10250 LBS
6. HEATING SURFACE 1050 SQ. FT.
7. PP-6 WILL NOT BE WELDED TO THE
PIPE OR 3/8" SQUARE RING.

8. HYDROSTATIC TEST PRESSURE 300 P.S.I.G.
9. DESIGN PRESSURE (MAWP) AND TEMPERATURE 200 P.S.I.G. @ 700 °F.
10. THE WELD PROCEDURE USED ON PIPE JOINTS WILL BE GTAW-2.
11. DESIGNED PER ASME CODE SECTION I; 1998 EDITION, NO ADDENDUM
12. M.D.M.T.= -20°F AT THE DESIGN PRESSURE.
13. MAXIMUM CORROSION ALLOWANCE = .0625".
14. NON DESTRUCTIVE EXAMINATION TYPE 100% RADIOGRAPHY.
15. COIL IS A "DIRECT FIRED VESSEL".



CRN #M7035.2

REV.	DESCRIPTION	DATE	BY
	CHANGE RECORD		
	TOLERANCE IS ±1/4" UNLESS OTHERWISE NOTED.		
	THIS DRAWING AND THE DESIGN SHOWN THEREIN IS THE PROPERTY OF		
	HEATEC INC. AND THE USE OR COPIES THEREOF CANNOT BE MADE WITHOUT WRITTEN CONSENT.		

CUSTOMER: HTH HEATECH			
PART NAME: PIPE COIL			
HCI 6010-50S HEATER			
DRAWN: M.M.	CHD.	APPR.	MATL: SEE DETAILS
JOB NO. HI99-160	SCALE NONE	DWG. NO. 4H-99160-PC	DATE 6-2-99
			REV. 0
HEATEC INC.		P.O. BOX 72760 CHATTANOOGA, TN. 37407 TELEPHONE (615)821-5200 FAX (615)821-7673	