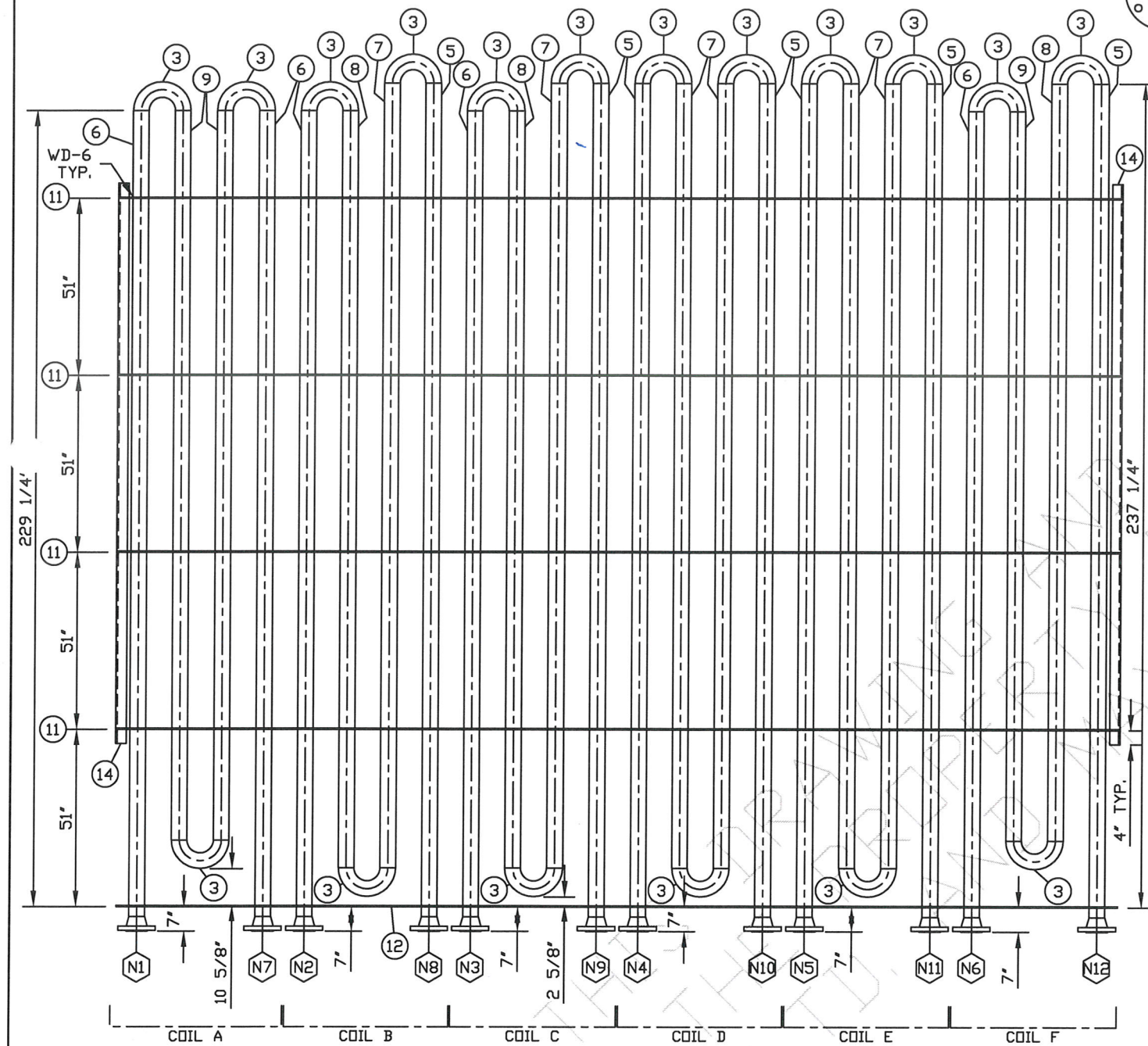
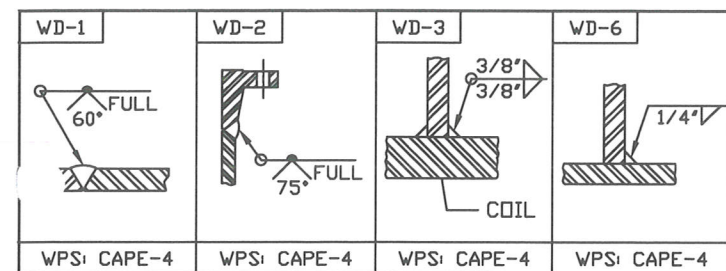
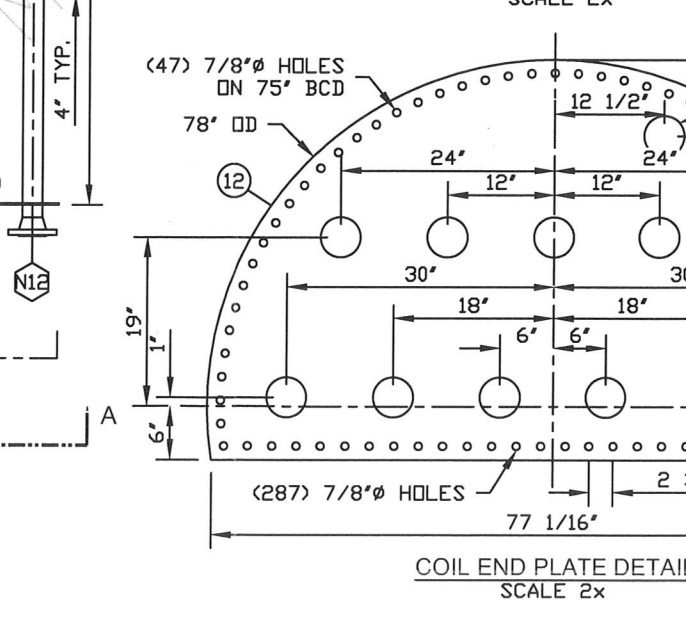
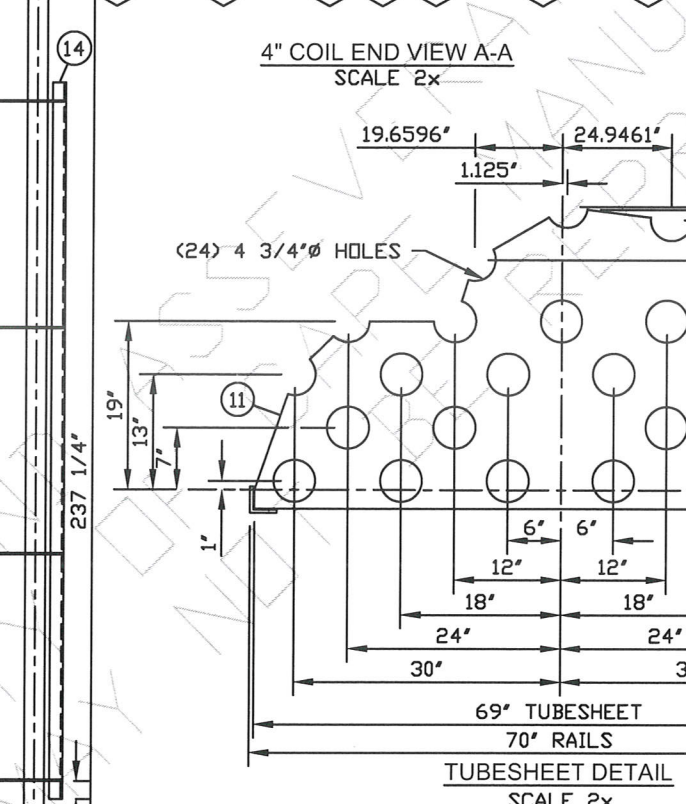
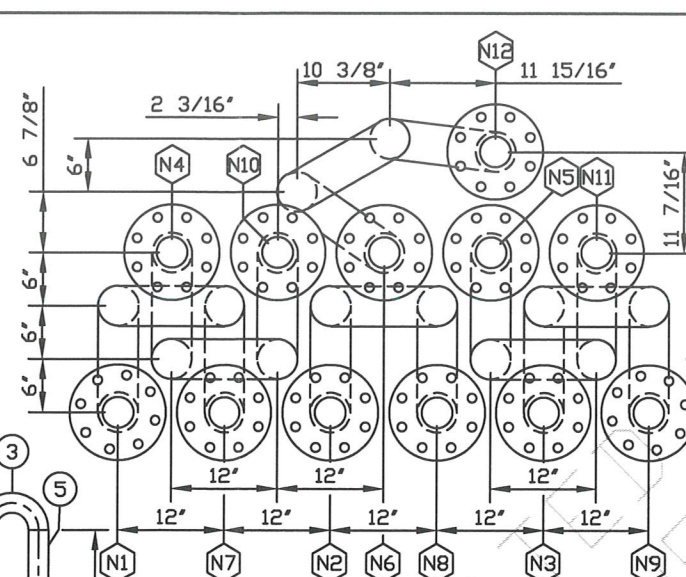




CONNECTION SCHEDULE									
MARK	QTY	SIZE	SCH	CLASS & TYPE	SERVICE	MINIMUM PROJ. SHORT SIDE		WELD SIZE	WELD DETAIL
						INSIDE	OUTSIDE		
N2, 5, 7, 9-10, 12	6	4"	XH	600 RF	INLET	AS SHOWN	AS SHOWN	-	1, 2
N1, 3-4, 6, 8, 11	6	4"	XH	600 RF	OUTLET	AS SHOWN	AS SHOWN	-	1, 2



BILL OF MATERIALS				
ITEM	QTY	COMMENT	DESCRIPTION	MATERIAL
1	12	N1-12	FLANGE - 4" CLASS 600 RFWN - SCH XH BORE (.337")	SA-105N
2				
3	18	COIL	U-BENDS - 4" SCH XH (.337") LR 180° WELD	SA-234-WPB
4				
5	7	N4-5, N8-12	PIPE - 4" SCH XH (.337") x 240" LG	SA-106B
6	5	N1-3, N6-7	PIPE - 4" SCH XH (.337") x 232" LG	SA-106B
7	6	COIL	PIPE - 4" SCH XH (.337") x 226" LG	SA-106B
8	3	COIL	PIPE - 4" SCH XH (.337") x 218" LG	SA-106B
9	3	COIL	PIPE - 4" SCH XH (.337") x 210" LG	SA-106B
10				
11	4	TUBESHEETS	PLATE - 3/8" THK x 31 5/8" x 69" LG	SEE DETAIL SA-36
12	1	END PLATE	PLATE - 3/8" THK x 78" OD x 45" LG	SEE DETAIL SA-36
13				
14	2	COIL RAILS	ANGLE - 3" x 3" x 3/8" x 161 3/8" LG	SA-36
15				
16	1	NAME PLATE	STANDARD NAME PLATE AND BRACKET	SS / SA-36
17				

Issued For Construction

Issued to Fab. Manager *June 28, 2017*

Released for Fabrication *June 28, 2017*

AS BUILT

DESIGN NOTES

QUALITY CONTROL PROGRAM NUMBER: AQP-1529
 WELDING PROCEDURE REGISTRATION NUMBER: WP-3326.2
 DESIGN & FABRICATE TO: ASME B31.3, 2014 EDITION
 MAXIMUM ALLOWABLE WORKING PRESSURE (MAWP): 1350 PSIG
 DESIGN TEMPERATURE: 200°F
 MINIMUM DESIGN METAL TEMPERATURE (MDMT): -20°F AT 1350 PSIG
 HYDROSTATIC TEST PRESSURE: 2220 PSIG Δ
 IMPACT TESTS: EXEMPT PER TABLE 323.2.2 COLUMN A
 RADIOGRAPHY: B31.3 NORMAL; 20% OF WELDS PER WELDER Δ
 PWHT: NONE
 PREHEAT: 50°F
 CORROSION ALLOWANCE: 1/16"
 TOTAL VOLUME: 31.5 FT³
 TOTAL HEATING SURFACE AREA: 576 FT²
 WEIGHT OF HEATER COIL: 12,600 LBS
 CRN DRAWING: BDD-400A REV 9 CRN: P9416.213 Δ
 CRN CALCULATIONS: BDD-400 REV 13
 SERIAL NUMBER: C-170649

RAE
 Trevor Kovach
 SEN. INSPECTOR
 ALBERTA IPV
 FILE # A - 646

REV	DATE	REVISION	BY	APP
1	17-06-28	REVISED HYDRO PRESSURE, CRN NUMBER & X-RAY	KG	JG
0	17-04-25	ISSUED FOR CONSTRUCTION	KG	JG
CAPE MANUFACTURING INC. BOX 216, HALKIRK, AB T0C 1M0 TELEPHONE: (403) 884-8442 EMAIL: SALES@CAPEMFG.CA				
CLIENT: BIRCHILL CANADA LTD. PARTNERSHIP				
DATE:	17-04-12	LINE HEATER COILS		
JOB NO:	CML-170649	(4) PASSES 4" CLASS 600 RF 6 PARALLEL		
DRAWN BY:				
CHECKED BY:				
APP BY:				
CML-170649C				REV 1