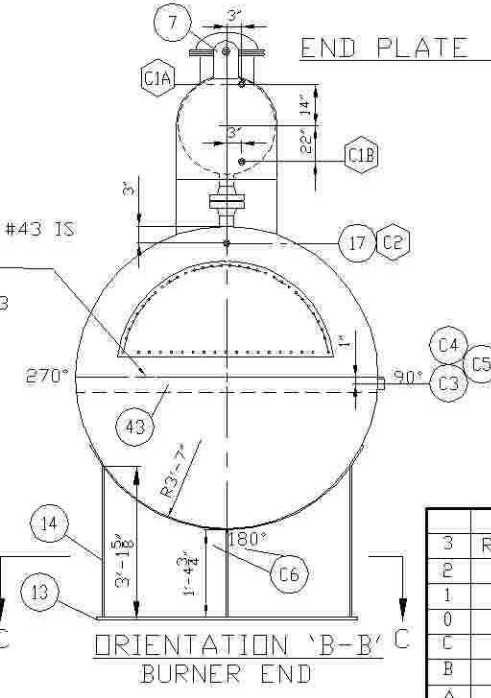
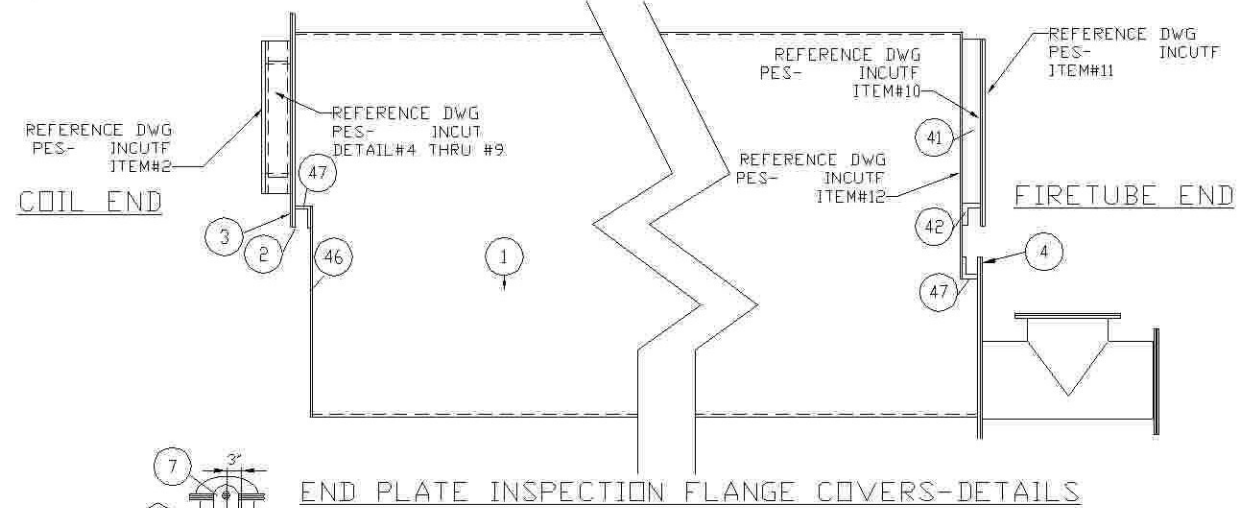
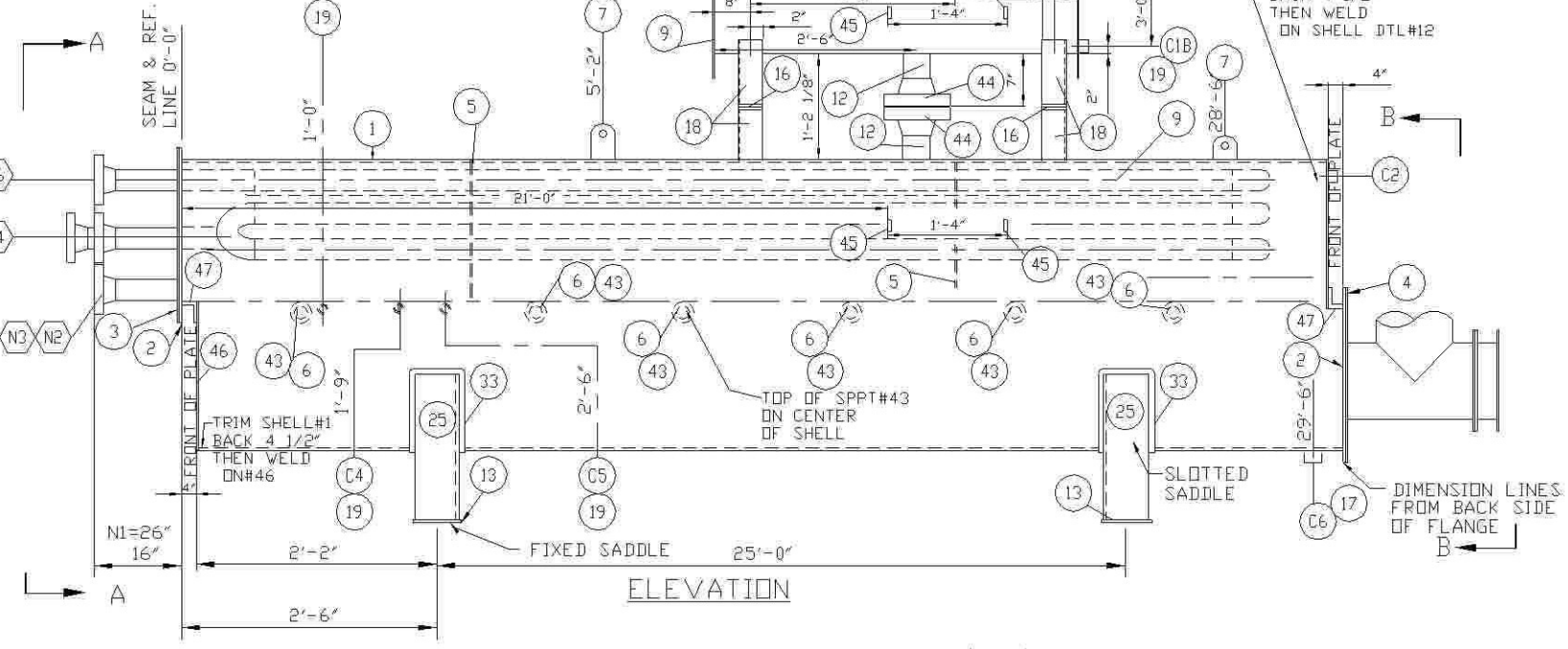
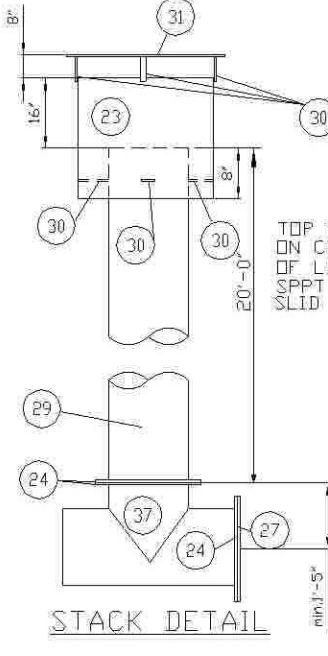
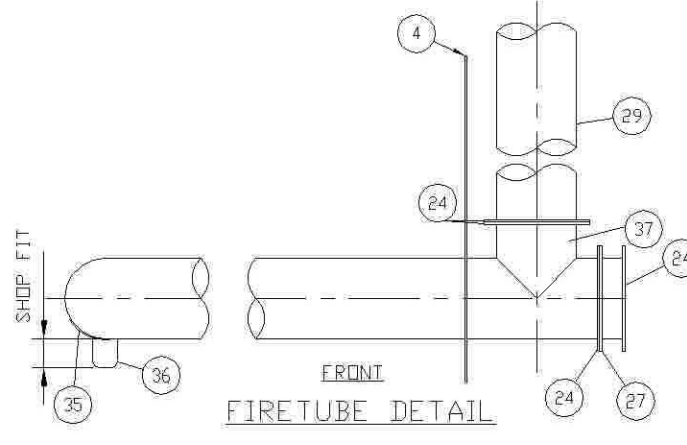
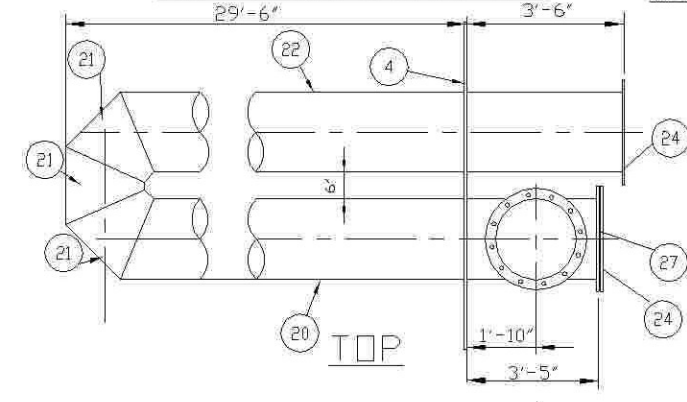
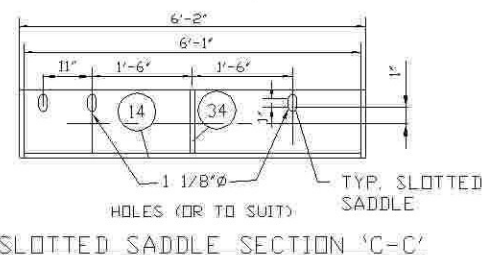
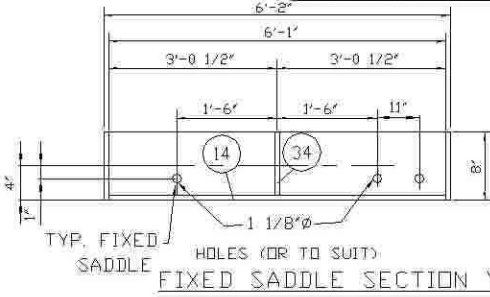
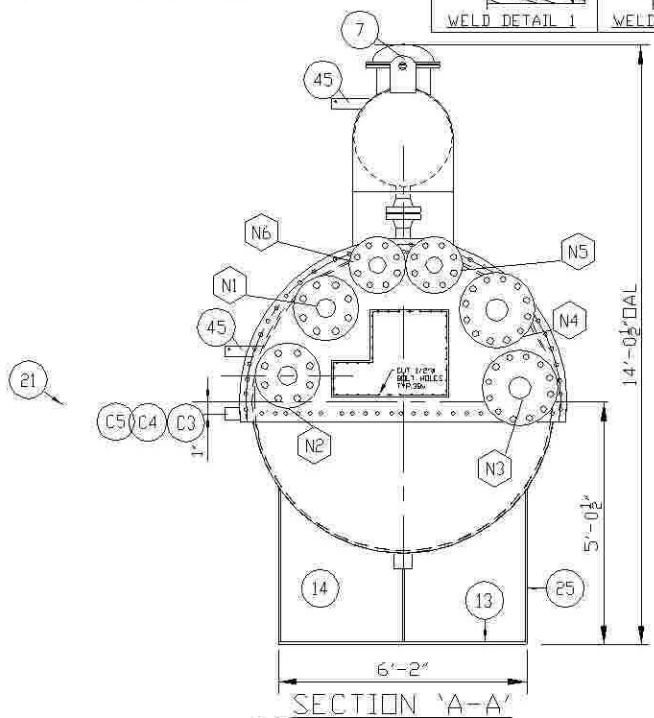
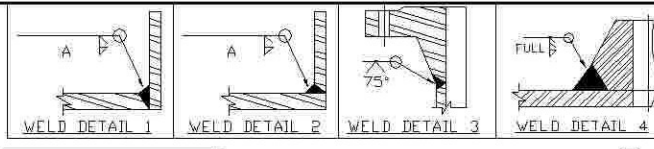


INSULATION NOTE:  
TUBING FOR LSSL-7011  
TO BE RUN UNDER INS.



AS BUILT  
Clatten

BILL OF MATERIALS

MARK	QTY.	DESCRIPTION
1	1	SHELL: 84"ID x 30'-0" S/S x 1/2" THK.
2	2	FLANGE: 91"OD x 85 1/8"ID x 1/2" THK.
3	1	FLANGE PLATE: 91"OD x 1/2" THK.
4	1	FLANGE PLATE: 91"OD x 1/2" THK.
5	6	PIPE SUPPORT: 5'-7 3/16" x 3'-1" x 1/2" THK.-C.T.S.
6	6	2" SCH.XX.H PIPE x 7'-0" C.T.S.-PLACE UNDER ITEM#43
7	4	LIFT LUGS: 1" x 8" x 8" x 2" HOLES
8	1	PIPE 48"OD x 3/8" THK x 10'-0" LONG
9	2	PLATE 1/4" THK x 48 1/4" DIA.
10	1	PLATE: 12 3/8"OD x 1/4" THK x 8 3/4"ID (FOR THIEF HATCH)
11		
12	2	PIPE 4"NPS SCH.XS x 5 1/2" LONG-C.T.S.
13	2	SADDLE BASE FLAT BAR 6'-2" x 8" x 5/8" THK.
14	2	SADDLE FACE: 6'-1" x 3'-1" x 1/2" THK
15	1	PIPE 8"NPS SCH.10 x 0'-4" LONG-C.T.S.
16	4	3/7" x 4" x 1/2" THICK
17	2	CPLG: 2" NPT 3000#
18	4	SADDLE FACE (REFERENCE LASER CUT DRAWING)
19	8	CPLG: 3/4" NPT 3000#
20	1	PIPE: 30" x 0.250" WALL x 32'-11" LONG
21	3	PIPE: 30" x 0.250" WALL x 5'-6" LONG
22	1	PIPE: 30" x 0.250" WALL x 33'-0" LONG
23	1	PIPE: 36" x 0.125" WALL x 2'-0" LONG
24	4	FLANGES: 34" OD x 30 1/8" ID x 3/8" THK.
25	4	SADDLE SIDE FLAT BAR: 3'-1" x 8" x 1/2" THK
26		
27	1	FLANGES: 34" OD x 3/8" THK.
28		
29	1	PIPE: 30" x 0.250" WALL x 20'-0" LONG
30	8	1" FLAT BAR x 1/4" THK. x 9' LONG-C.T.S.
31	1	PLATE: 38" OD x 3/16" THK. (FOR RAIN CAP)
32	1	PIPE 1"NPS SCH.160 x 1' LONG
33	2	SADDLE WEAR PLATE: 1/2" THK x 10' WIDE x 98" LG (ROLL TO 85"ID)
34	2	SADDLE RIB FLAT BAR: 1'-4 3/4" x 7 1/2" x 1/2" THK
35	1	1/4" THK ROLL PLATE: 2" WIDE x 6" LG- TO FIT 30" PIPE
36	1	CHANNEL FOR TUBE SLIDE
37	1	PIPE: 30" x 0.250" WALL x 2'-0" LONG
38		
39		
40		
41	1	ROLL PLATE: 3/8" THK x 4" WIDE x 6'-0" ID x 8'-11 1/4" LG-SA-36
42	1	ANGLE IRON: 4"x6" x 3/8" THK x 72" LG
43	6	3" SCH.XH PIPE x 6'-10" C.T.S.-TO SUPPORT SLEDS
44	2	FLANGE: 4" J50# RF SCH.XS, SA-105N
45	6	FLATBAR LADDER CLIPS: 2"x6"x1/4" c/w 5/8" HOLES
46	1	FLAT PLATE: 1/2" THK x 85"OD -
47	2	ANGLE IRON: 4"x6" x 3/8" THK x 91" LG

NOZZLE WELD SCHEDULE

MARK	SIZE	SCH.	RTG.	TYPE	SERVICE	QSP	ISP	WELD DETAIL	FILLET
N1	4"	XXH	2500#	RTJ	PREHEAT OUT	26"	-	1 & 3	3/8"
N2	4"	XXH	2500#	RTJ	PREHEAT IN	16"	-	1 & 3	3/8"
N3	6"	XH	900#	RFWN	REHEAT OUT	16"	-	1 & 3	3/8"
N4	6"	XH	900#	RFWN	REHEAT IN	16"	-	1 & 3	3/8"
N5	2"	XH	600#	RFWN	FUEL GAS IN	16"	-	1 & 3	3/8"
N6	2"	XH	600#	RFWN	FUEL GAS OUT	16"	-	1 & 3	3/8"
C1A/B	3/4"	NPT	3000#	CPLG	GG	-	-	2	3/8"
C2	2"	NPT	3000#	CPLG	LLSL	-	-	4	3/8"
C3	3/4"	NPT	3000#	CPLG	TE	-	-	2	3/8"
C4	3/4"	NPT	3000#	CPLG	TSHH	-	-	2	3/8"
C5	3/4"	NPT	3000#	CPLG	T.G.	-	-	2	3/8"
C6	2"	NPT	3000#	CPLG	DRAIN	-	-	2	3/8"

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REV	DESCRIPTION	BY	APP.	DATE
3	REV FOR 5 PIECE TUBE-FINAL ASBLT	CP		07-04-30
2	AS BUILT	AL		07-04-20
1	REV SADDLE BOLT HOLES PER SHOP	CP		07-04-13
0	MOVE C2 PER CUSTOMER MARK-UPS			07-0
C	MOVE C2 PER CUSTOMER MARK-UPS	CP		07-02-02
B	ADD INSP.FLANGE DETAILS	CP		07-01-08
A	ISSUED FOR APPROVAL	CP		07-01-03



DATE: 07-01-03	BURLINGTON RESOURCES c/o SPEC ENGINEERING INC.	
DESIGNED BY: PES	ISS: 04-34-02-20 TSM	
DRAWN BY: C.PRICHARD	TITLE: 84"ID x 30'-0" S/S, 3.75 MM BTU LINEHEATER, 12 PASS 4"2500#RTJ PREHEAT & 4 PASS 6"900#RF REHEAT & 2 PASS 2" 600#RF FUEL GAS	
CHECKED BY:	PROJECT NO: 6119-001	FILENAME: 6119-001LH
APPROVED BY:	SHEET NO: 1 OF 1	DRAWING NO: PES-6119-001LH
SCALE: N.T.S.		REV. NO: