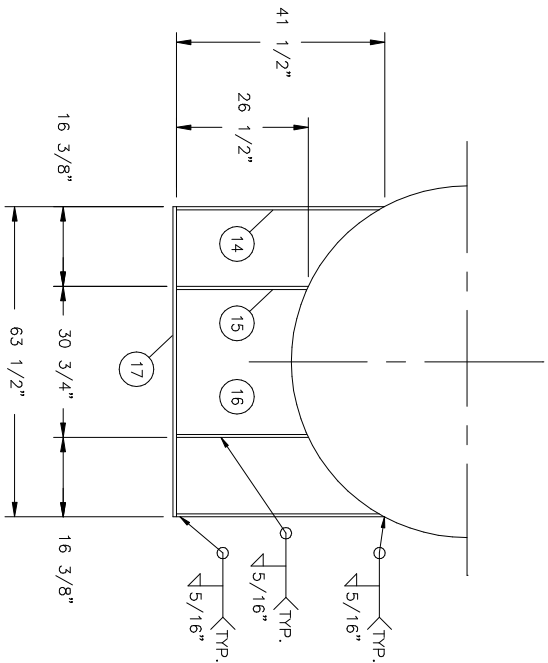
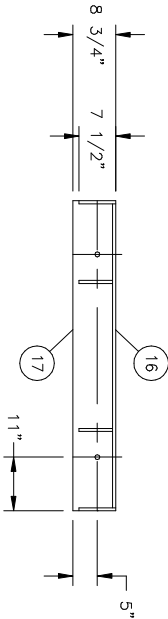


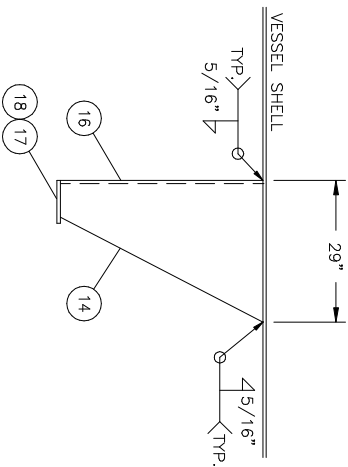
BILL OF MATERIAL				
ITEM	QTY	SIZE	DESCRIPTION	MATERIAL SPEC.
14	4	SADDLE PLATE MATERIAL	7 1/2" TO 29" WIDE x 41" TALL x 5/8" THICK SADDLE LEG / SUPPORT	SA 516 70N
15	4	SADDLE PLATE MATERIAL	7 1/2" TO 29" WIDE x 26 1/2" TALL x 5/8" THICK SADDLE LEG / SUPPORT	SA 516 70N
16	2	SADDLE LEG BACK PLATE	62 1/4" x 3/8" THICK BACKING PLATE	SA 516 70N
17	2	BASE PLATE	8 3/4" WIDE x 63 1/2" LONG SADDLE BASE PLATE	SA 516 70N
18	4	STUD BOLTS AND NUTS	1" ϕ x 3 1/2" LONG C/W MATCHING NUTS AND WASHERS	A193/194 - B7/2H
19	1	18" FIRE TUBE FRAME	MFG 18" FIRE TUBE FRAME - 100 psi MAMP (20" x 46" x 5/8" THK PLATE)	SA 516 70N
20	1	FIRE TUBE FRAME FLANGE	MFG FIRE TUBE FLANGE TO MATCH FRAME (1" THK x 26 1/2" HIGH x 52" LONG)	SA 516 70N
21	1	FIRE TUBE FLANGE	MFG FIRE TUBE FLG TO MATCH FRAME FLG (1 1/2" THK x 26 1/2" HIGH x 52" LONG)	SA 516 70N
22	1	FIRE TUBE NOZZLE REPAD	5/8" THK x 6" WIDE (APPROX. 32" HIGH x 58" LONG) FORMED REPAD c/w WEEP HOLE	SA 516 70N
23	52	STUD BOLTS	7/8" ϕ x 5 1/2" LONG STUDS	A193 - B7
24	104	STUD NUTS	TO MATCH 7/8" ϕ STUDS	A194 - 2H
25	2	18" FIRE TUBE	8'-0" LONG x 18" ϕ x 0.500" (XS) TUBE MATERIAL	SA 106B
26	1	18" 180° RETURN BEND	18" ϕ x 0.500" (XS) CUSTOM FORMED	SA 106B



SADDLE DETAIL
ELEVATION

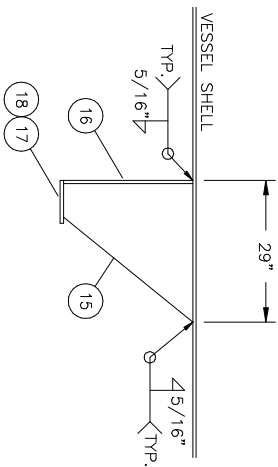


SADDLE BASE PLATE
TOP VIEW

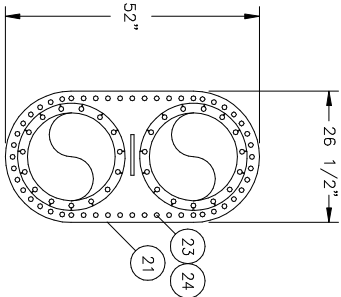


SADDLE DETAIL

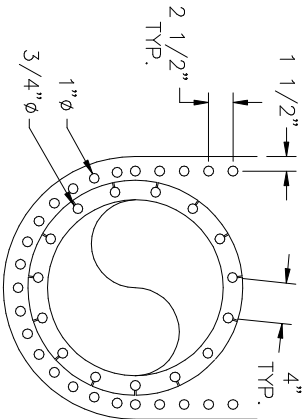
OUTER LEG



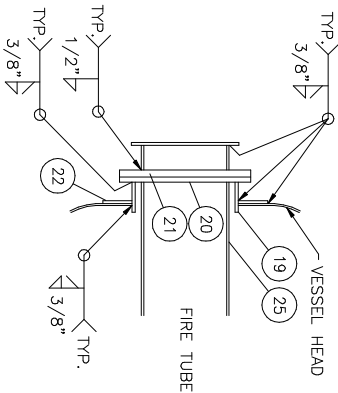
SADDLE DETAIL



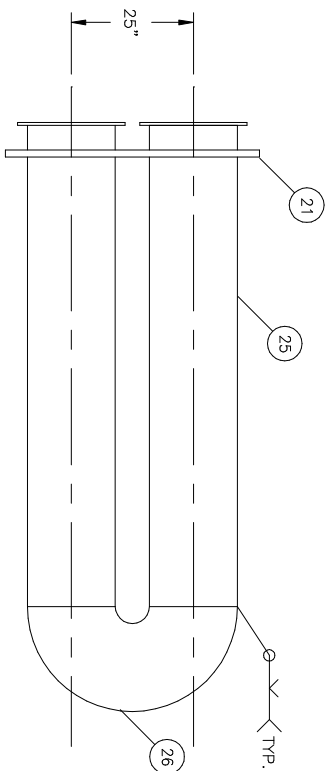
FIRE TUBE
END VIEW



FIRE TUBE
BOLT HOLE DETAIL



FIRE TUBE
PLAN VIEW



FIRE TUBE SECTION

- NOTES
- 1) PIPING DESIGNED TO ASME CODE B31.3 1999 EDITION A01 ADDENDA
- 2) WELD GAP = 2 mm

[illegible]