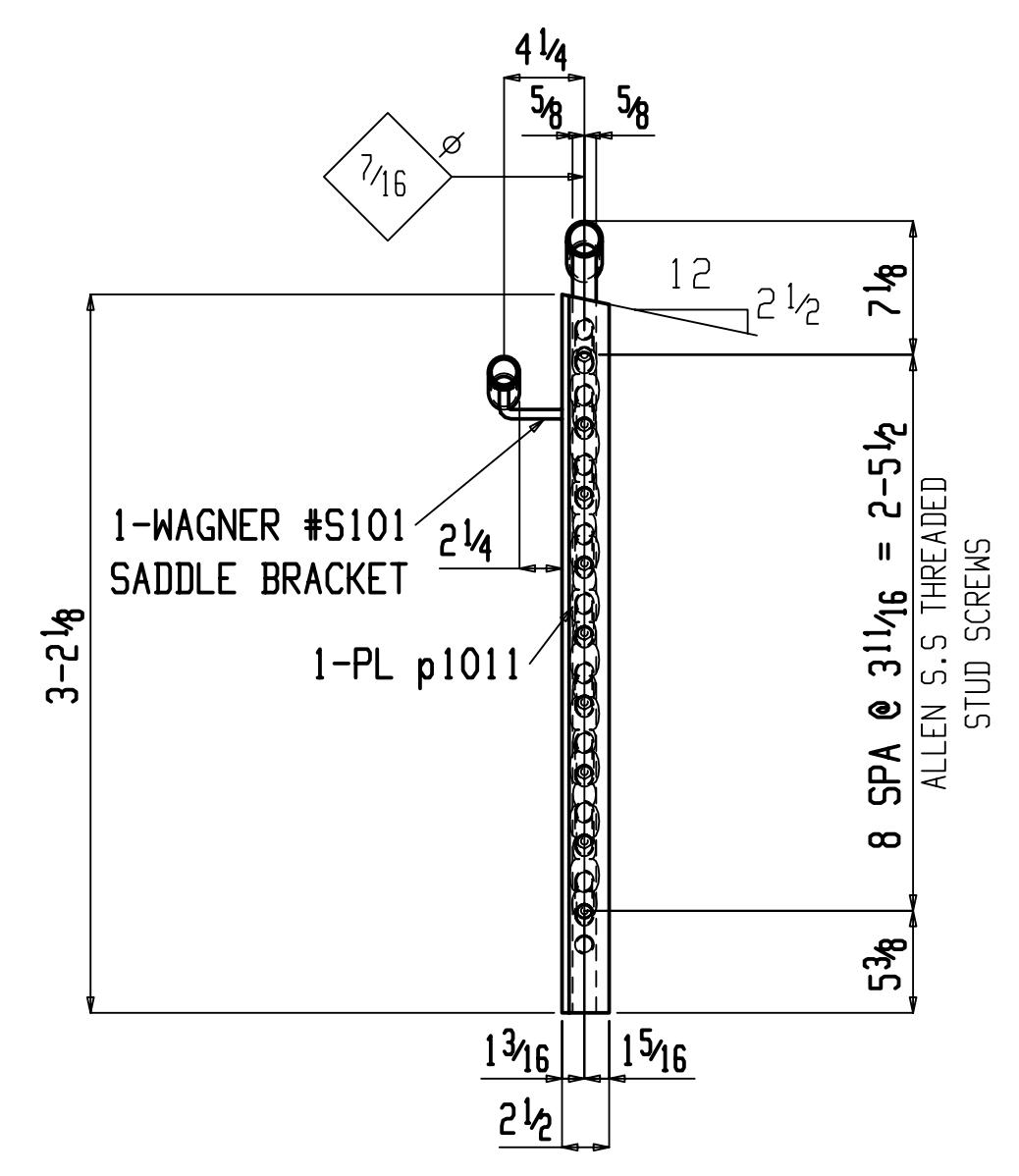
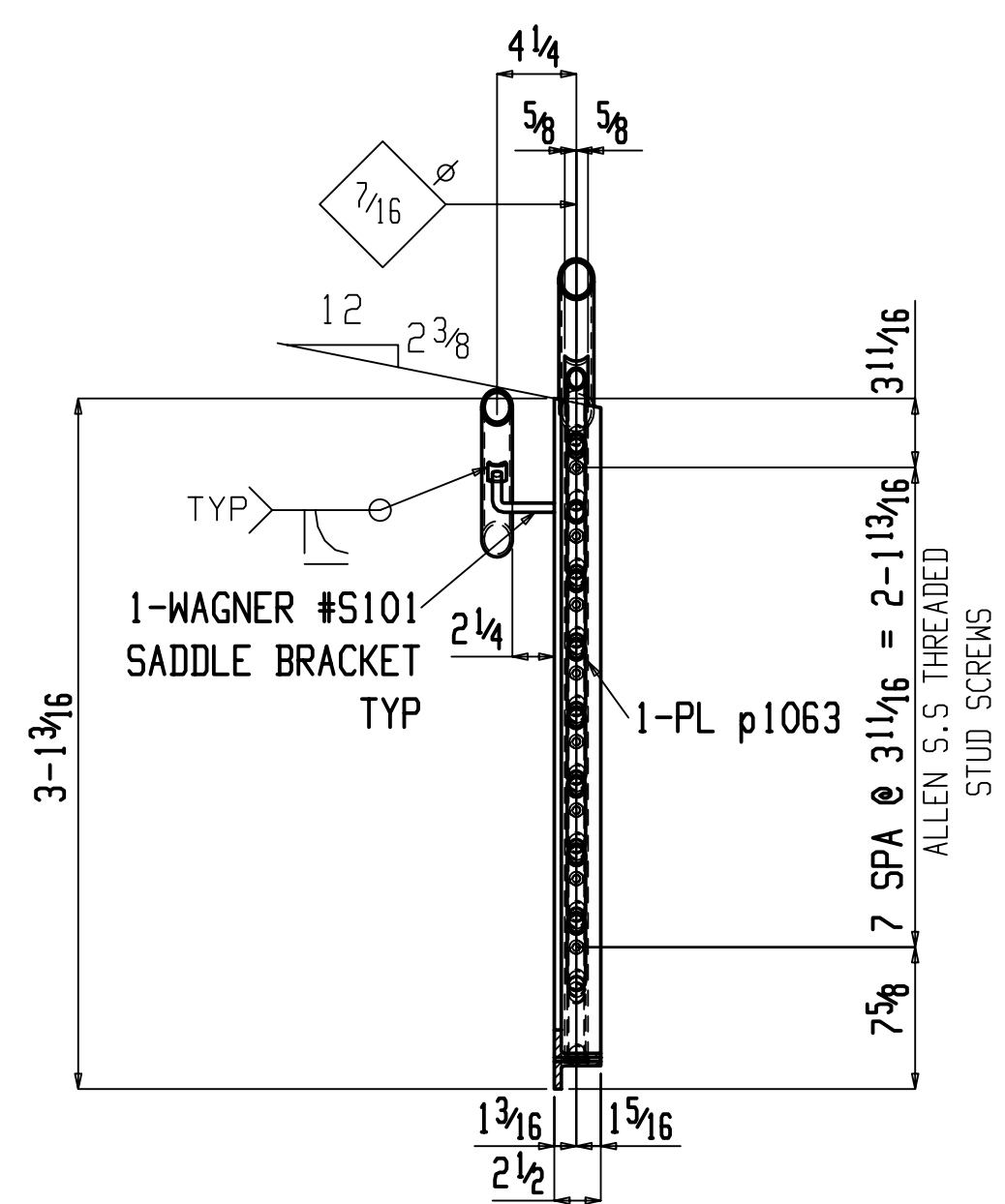


ONE HANDRAIL 94HR1
 SHOP BOLTS:
 33-3/8x2 ALLEN THREADED
 STUD SCREWS



Section B-B
 94HR1



Section A-A
 94HR1

BILL OF MATERIAL									
LINE #	QTY	PC MARK	DESCRIPTION	LENGTH	REMARKS	WEIGHT TOTAL	ADVANCE MILL #		
ONE	94HR1		HANDRAIL				372		
1	hss1928		PIPE 1 1/2 STD	12	11 3/16 S.S	35			
1	hss2190		PIPE 1 1/2 STD	1	3 1/16 S.S	3			
1	hss1250		PIPE 1 1/2 STD	0	4 1/4 S.S	1			
1	hss1981		PIPE 1 1/4 STD	13	4 1/16 S.S	30			
1	hss2192		PIPE 1 1/4 STD	1	2 1/16 S.S	3			
1	hss2193		PIPE 1 1/4 STD	1	1 3/4 S.S	3			
1	hss1325		PIPE 1 1/4 STD	0	4 1/4 S.S	1			
1	hss1344		PIPE 1 1/4 STD	0	4 1/16 S.S	1			
27	hss1946		PIPE 1 1/4 GA	4	2 1/2 S.S	92			
10	hss1950		PIPE 1 1/4 GA	3	1 1/8 S.S	32			
1	hss2199		PIPE 1 1/4 GA	0	5 1/2 S.S	0			
1	a436		L2 1/2 x 2 1/2 x 3/8	3	2 1/8 A36	19			
1	a437		L2 1/2 x 2 1/2 x 3/8	3	2 1/8 A36	19			
3	a445		L2 1/2 x 2 1/2 x 3/8	3	1 3/16 A36	55			
3	a444		L2 1/2 x 2 1/2 x 3/8	2	1 1/16 A36	52			
1	p1035		PL 3/8 x 1 1/4	3	2 A36	5			
2	p1063		PL 3/8 x 1 1/4	3	2 A36	10			
1	p1011		PL 3/8 x 1 1/4	3	4 3/8 A36	5			
1	rb182		RB 1/2	0	4 A36	0			
4			SADDLE BRACKETS		WAGNER #S101				
33			3/8 ALLEN THREADED STUD SCREWS	0	2 S.S	4			

-ALL MATERIAL TO BE A36 UNLESS NOTED
 -ALL TUBES TO BE A500-GRB (Fy=46) UNLESS NOTED
 -ALL PIPES TO BE A53-GRB UNLESS NOTED
 -ALL HS SHOP BOLTS TO BE TORQUED UNLESS NOTED
 -ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL
 -ALL SHOP WELDS TO BE E70XX-LH ELECTRODES
 -ALL COPIES TO BE RADIUSED
 -ALL BEAM TO BE FABRICATED WITH RESIDUAL CAMBER UP
 -MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS IN SAME LOCATION AS ON ERECTION DRAWING