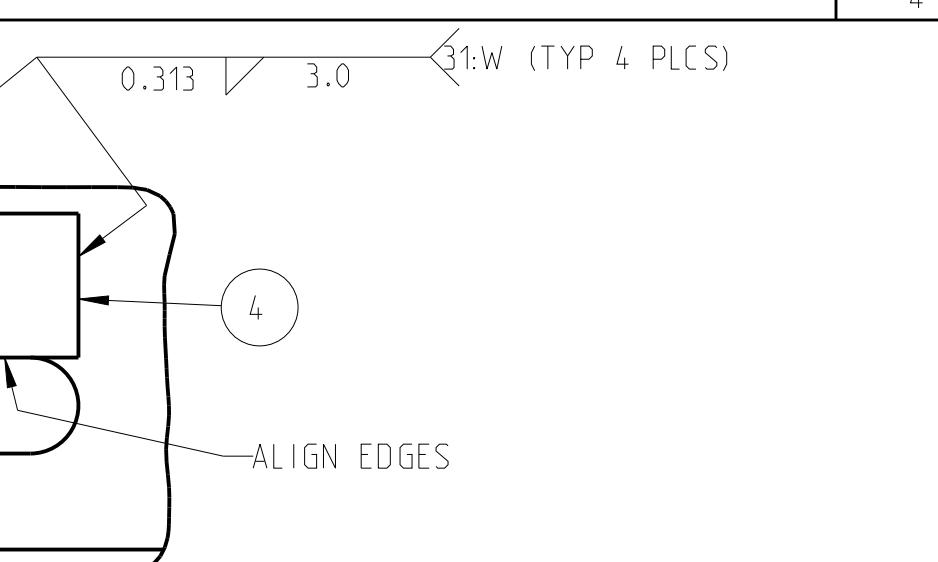
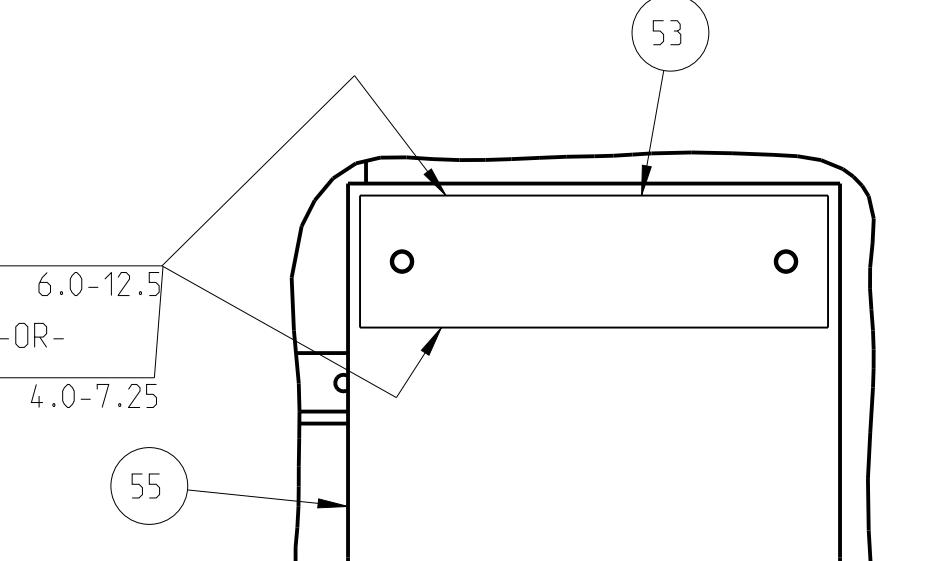


BILL OF MATERIAL

Item No.	Part No.	Description	Quantity
1	00501-277	ANGLE, 2 1/2" X 2 1/2" X 1/4", ASTM A-36	4
2	00502-195	ANGLE, 3 1/2" X 3 1/2" X 5/16", ASTM A-36	3
3	00561-187	ROUND, DIA 2" X 10", AISI 4140	3
4	00595-519	BAR, 6" X 12" X 6", ASTM A-36	4
5	00596-505	BAR, 7" X 12" X 20", ASTM A-572 GR 60	2
6	10190-009	PIN, 1" DIA X 3 3/8"	6
7	10190-099	PIN, 1" DIA X 7"	3
8	10190-103	PIN, HEADLESS 1" X 4 3/4"	3
9	10190-103	PIN, 1" X 3 7/16"	6
10	10216-101	DOOR PIN, 1.0" DIA X 5.375"	12
11	10231-001	LOCKBOLT, C50L30-BR20-20Ga	16
12	10231-005	COLLAR, 3LC-2R24G	16
13	10231-008	LOCKBOLT, C50L30-BR20-12Ga	20
14	10231-009	LOCKBOLT, C50L30-BR20-16Ga	70
15	10231-012	LOCKBOLT, C50L30-BR20-20Ga	24
16	10231-013	COLLAR, 3LC-2R20GAL	12
17	10238-017	COTTER PIN, 3/8" X 2"	27
20	10305-522	NUT, CENTER LOCK @ 5/16" - 18, ZINC PLATED	3
21	10264-003	UNA-DRIV, 5/8" DIA X 2"	6
22	10298-076	BOLT, 5/8" DIA X 2 1/4", ZINC PLATED	3
24	10298-150	BOLT, 5/16" DIA X 3 1/4"	3
25	10305-520	SUPPORT, SHAFT	6
26	10305-522	LEVER, OPERATING LEVER 19.500	3
27	10305-523	LINK, TRANSFER	3
28	10305-525	HINGE, DOOR	12
29	10305-526	FULCRUM, DOOR SPREADER	3
30	10305-527	REINFORCEMENT, DOOR SPREADER	3
31	10305-532	FULCRUM, CYLINDER	3
32	10305-533	LUG, CYLINDER FULCRUM	3
33	10305-666	LEVER, DOOR ACTUATING	3
34	10305-667	FULCRUM, DOOR STOP	3
35	10340-010	WASHER, 1" HARDENED	6
36	A101091-000	ASS'Y., BRACKET, DEAD LEVER FULCRUM	2
37	A10166-000	ASSEMBLY, SIDE BEARING	4
38	A101576-002	ASSEMBLY, FULCRUM, LEVER	1
39	A102610-000	ASSEMBLY, SUPPORT, PIPE CLAMP	1
40	A105896-000	ASSEMBLY, VERTICAL LEVER FULCRUM	2
41	A106921-007	ASSEMBLY, CROSSRIDGE	1
42	A106921-008	ASSEMBLY, CROSSRIDGE	1
43	A106926-001	ASSEMBLY, CENTER SILL	1
44	A106944-005	ASSEMBLY, BOLSTER WEB, B-END	1
45	A106944-006	ASSEMBLY, BOLSTER WEB, A-END	1
46	A107045-001	ASSEMBLY, SUPPORT, CYLINDER	1
47	A107055-000	ASSEMBLY, GUIDE, HORIZONTAL LEVER	3
48	A107057-000	ASSEMBLY, ACTUATOR LEVER FULCRUM	1
49	A107068-000	ASSEMBLY, CENTER ROD SUPPORT	1
50	A107297-003	ASSEMBLY, TRANSFER LEVER	3
51	A107308-000	ASSEMBLY, CONTROL VALVE DOOR	1
52	A101007-000	RODING, STAPLE	4
53	M101029-019	FILLER, SIDE BEARING	4
54	M101040-001	BRACKET, UNCOUPLING	2
55	M101041-001	TIE, SIDE BEARING	4
56	M101171-003	GUSSET, -	4
57	M101171-009	GUSSET, -	4
58	M101171-010	GUSSET, -	2
59	M105675-005	SHARP PLATE, BOLSTER	1
60	M105675-006	SHARP PLATE, BOLSTER	1
61	M106540-004	SHIM, DOOR SPREADER ADJUSTMENT	3
62	M106980-010	GUSSET, BOLSTER TO CENTER SILL	2
63	M106980-020	GUSSET, BOLSTER TO CENTER SILL	2
64	M106985-000	SPREADER, DOOR	3
65	M107032-011	CONNECTION, BOTTOM CORNER	2
66	M107032-021	CONNECTION, BOTTOM CORNER	2
67	M107312-000	STIFFENER, BOLSTER TO CENTER GUSSET	4
68	M107319-001	GUSSET, BOLSTER WEB TO SHEAR PLATE	4
69	M107535-001	SUPPORT, CONTROL VALVE	1
70	M108675-000	LINK, DOOR STOP	6
71	M108961-010	SUB SIDE SILL, -	2
72	M108961-020	SUB SIDE SILL, -	2
73	M108962-001	END SILL, -	1
74	M108962-002	END SILL, -	1
75	M108991-000	SILL STEP	4
76	M109014-000	SUPPORT, RETAINER VALVE	1
77	M109104-000	GUSSET, -	4

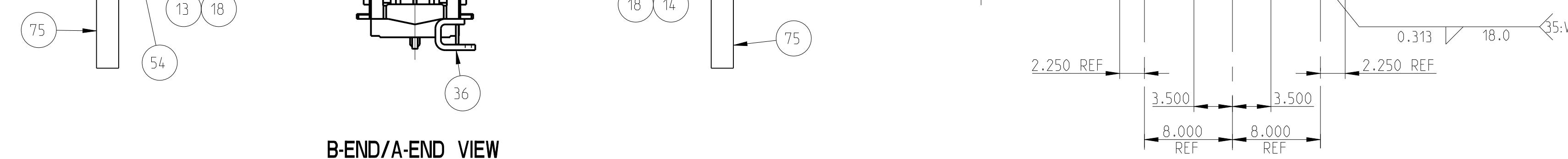
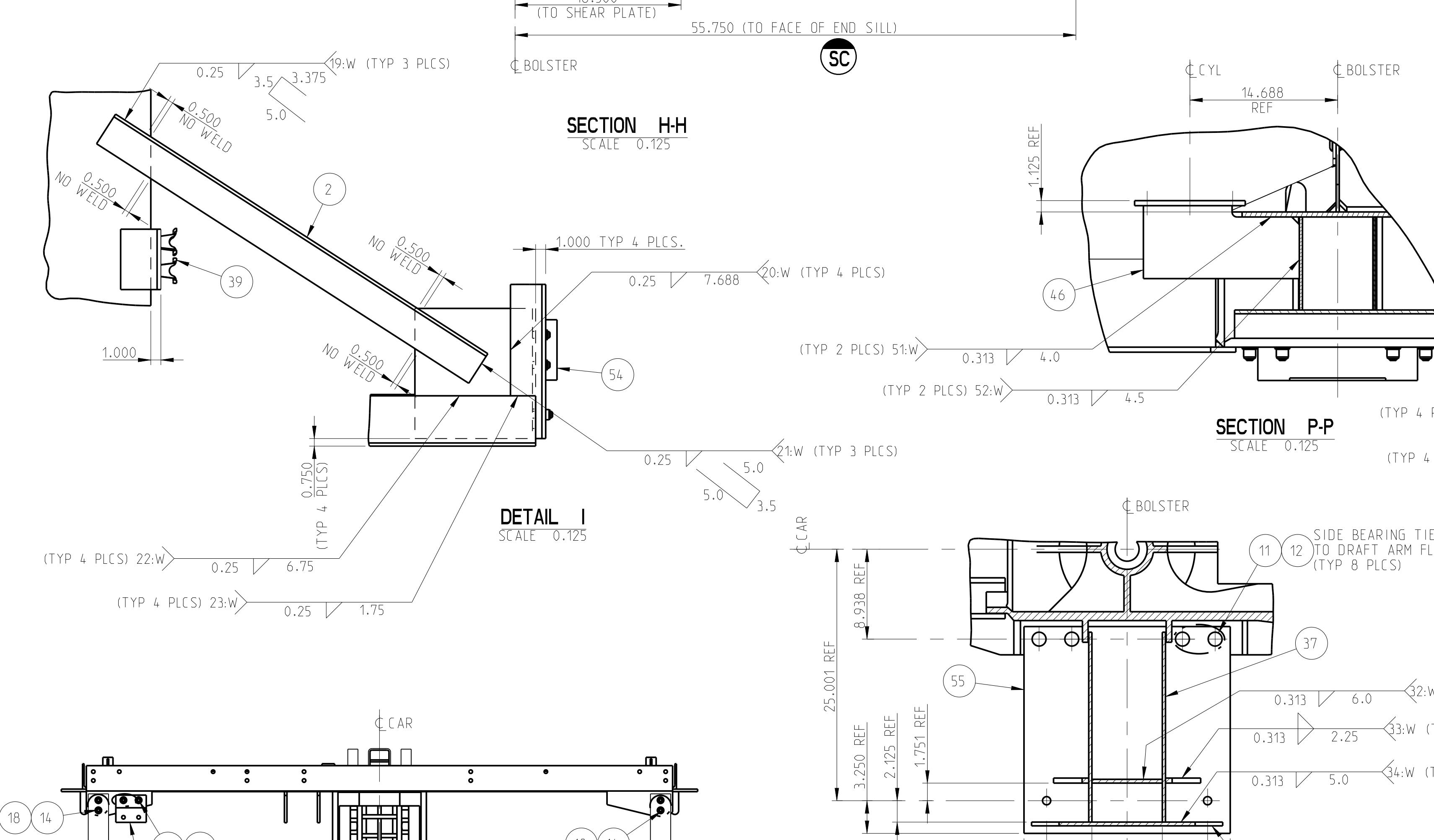
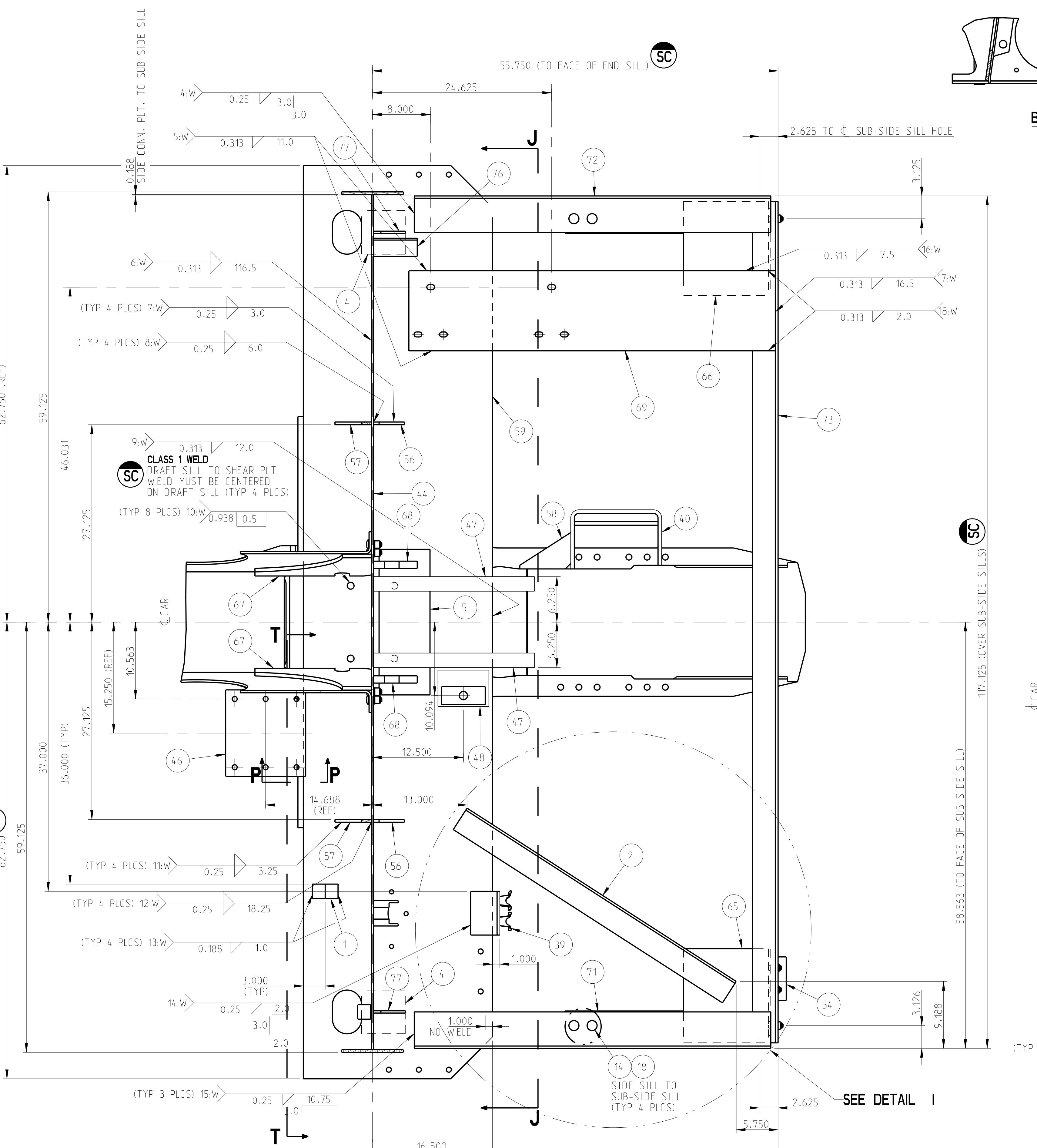


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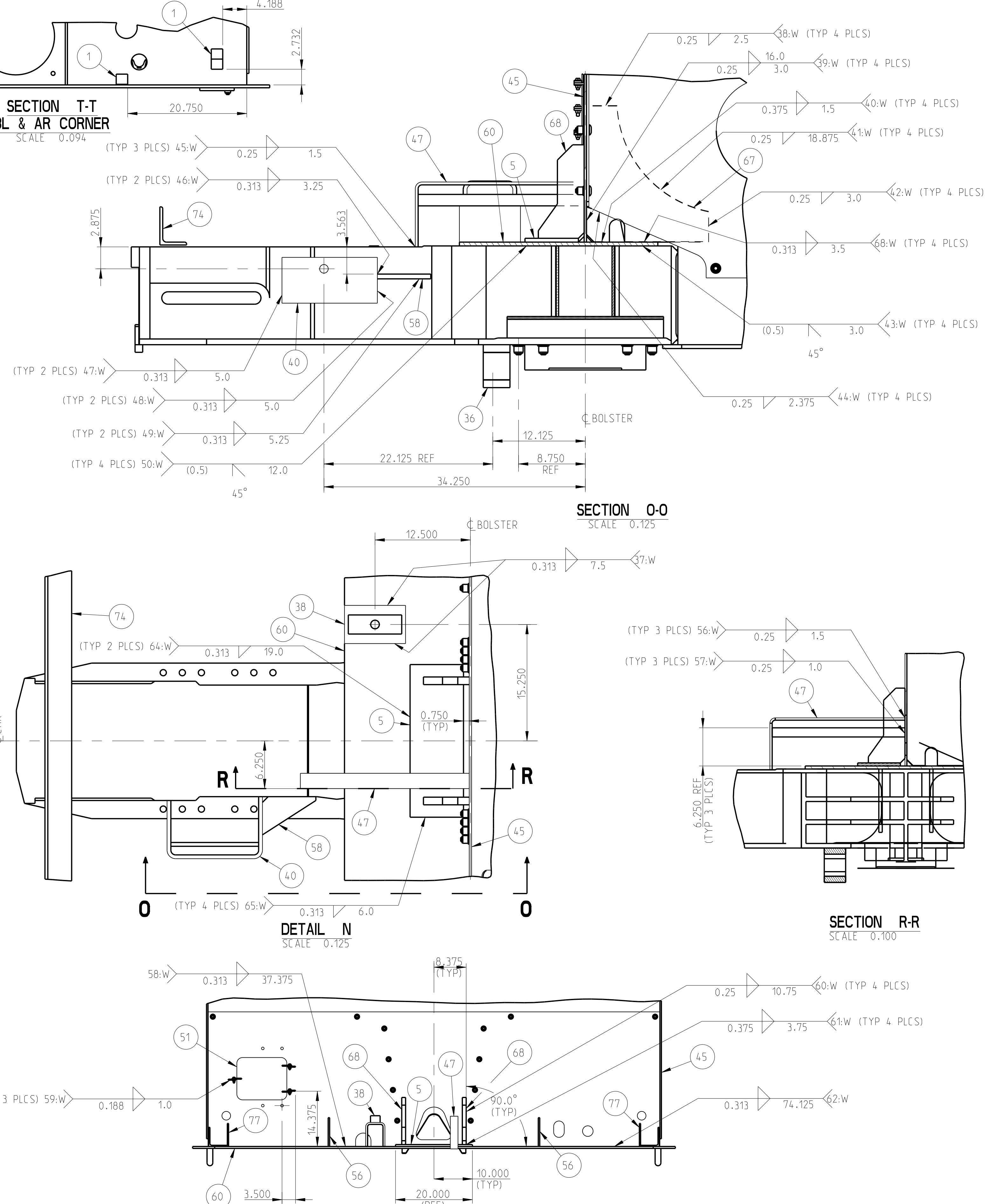


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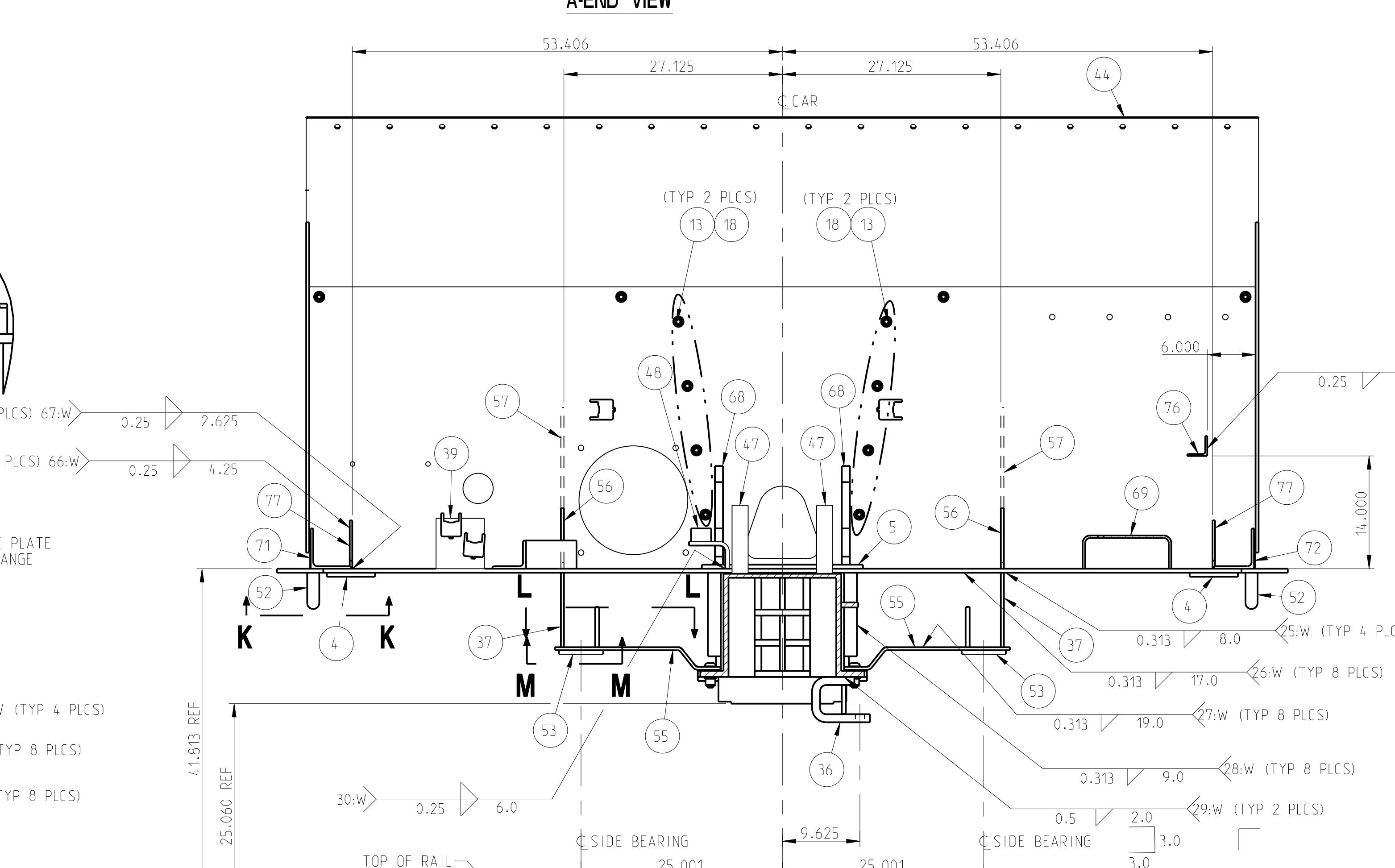
Level	Date Approved	Description
REVISIONS		
FreightCar America		
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Standard Tolerances (Unless Noted)		
Decimal Dimensions ± 0.063 Diagonals 0.125 Max. Variation Radii will be thicknesses of material Tolerances are not accumulative		
Made By: JW/B/STS Date: 11-30-12 Ref Dwg. A107605-000 Approved: CSW Do Not Scale Drawing Est. Wt: 1616.75 lbs		
ARRANGEMENT, UNDERFRAME		
Sheet 2 of 2 E REV. D A108943-000		



SECTION L-L
SCALE 0.125



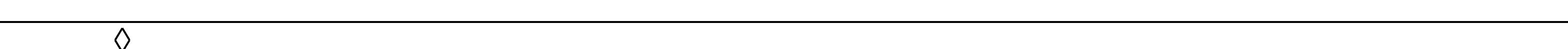
SECTION T-T BL & AR CORNER
SCALE 0.094



SECTION O-O
SCALE 0.125



SECTION R-R
SCALE 0.100



SECTION A-A END VIEW
SCALE 0.125

SECTION J-J
SCALE 0.094

SECTION K-K
SCALE 0.125

SECTION M-M
SCALE 0.125