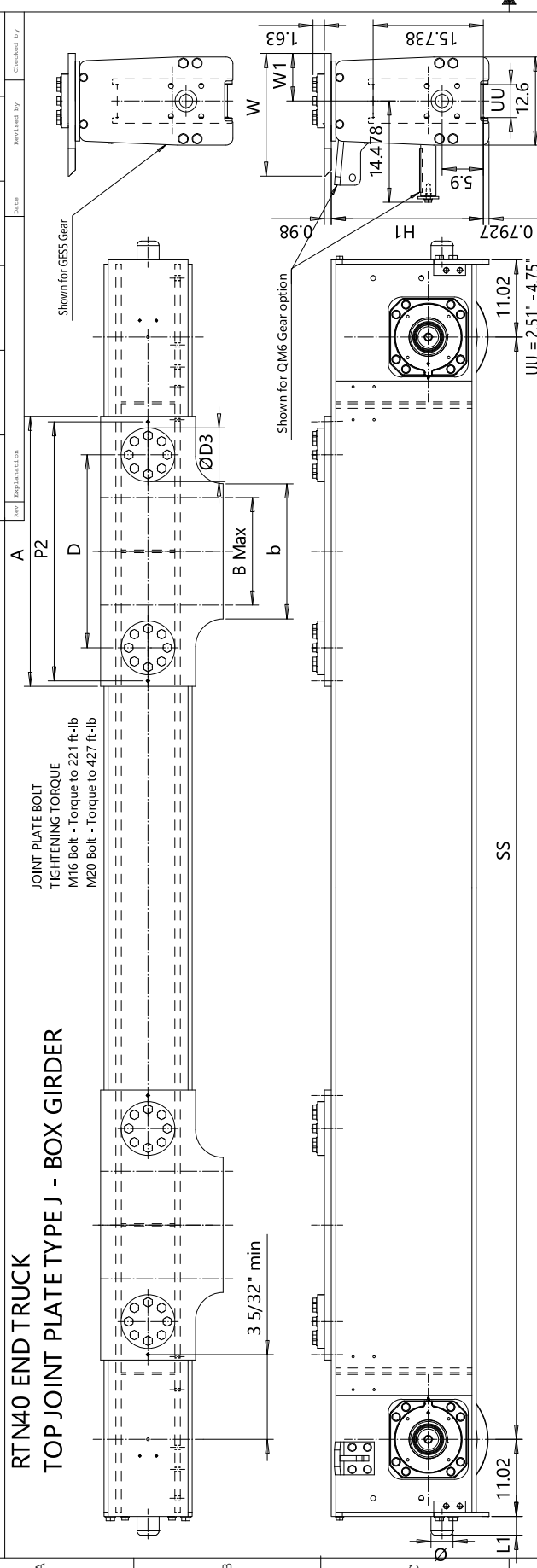


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Joint plate	A	B max	b	D	P2	W	W1	Wgt/pc (lb)	Buffer type	L1
J1	38.58"	15.35"	19.29"	27.56"	37"	17.52"	6.81"	190	B	2 11/16"
J2	48.43"	25.39"	29.33"	37.4"	46.85"	17.52"	6.81"	236	C	3 5/16"
J3	62.2"	37.21"	41.14"	51.18"	60.63"	17.52"	6.81"	300	D	4 1/8"
J4	42.52"	15.35"	19.29"	28.74"	40.94"	18.70"	7.40"	223	E	5 15/16"
J5	51.18"	25.39"	29.33"	37.4"	49.61"	18.70"	7.40"	227	F	7 1/2"
J6	66.14"	37.21"	41.14"	52.36"	64.57"	18.70"	7.40"	342	H	6 5/16"
J7	43.31"	20.08"	24.02"	32.28"	41.73"	17.52"	6.81"	212	I	7 7/8"
J8	47.24"	20.08"	24.02"	33.46"	45.67"	18.70"	7.40"	247	M	4 15/16"
J9	53.15"	29.92"	33.86"	42.13"	51.57"	18.70"	6.81"	267	P	9 7/16"
J0	57.09"	29.92"	33.86"	42.13"	55.51"	18.70"	7.40"	298	S	11 13/16"
									T	13 3/4"
									Y	18 3/4"
										B, C, D rubber
										K, G, E, F, H, I, M, P, S polyurethane

Minimum wheelbase with J3, J9, J0 joint plate is 13'-1 1/2".

*Approximate weight of end truck assumes GESS drive wheel and J1 joint plate. QM6 drive parts adds extra weight.

Weight, lb	73
QM6	

Wheelbase code	SS	Max dyn whl load, (kip)	SG	ASCE 85	Perm dyn whl load, (kip)	BETH 135	Approx. Wt*, Ttk, lb	H1
25	8'-2 7/16"	78.8	78.8	50.7	66.6	66.6	2273	21 9/16"
32	10'-4"	78.8	78.8	50.7	66.6	66.6	2154	21 9/16"
40	13'-1 1/2"	78.8	78.8	50.7	66.6	66.6	2668	21 3/4"
45	14'-9 1/8"	78.8	78.8	50.7	66.6	66.6	2948	26 5/16"
50	16'-4 7/8"	78.8	78.8	50.7	66.6	66.6	3360	26 7/16"
55	18'-1/2"	78.8	78.8	50.7	66.6	66.6	3805	26 7/16"

The wheel loads listed are only a guideline. The max. wheel load listed is based on the structural integrity of the frame and load placement and it does not take into account permissible wheel loading or bearing life. SG load placement is at the center, and DG load placement is for a trolley gage of 1400 mm (55 1/8"). The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 32 m/min (100 fpm), end truck duty is Fem 2m, and the runway rail as listed. The actual wheel load should not exceed the permissible wheel load. If the permissible dynamic wheel load is greater than the maximum dyn wheel load, then the actual wheel load cannot exceed maximum dyn wheel load. Dyn wheel load = 1.15x static wheel load.

ETTPA Design	2008-08-11	ETTPA CND	END TRUCK
Drawn	SLEDOOCV	App'd	OUTLINE DRAWING
Revised		Scale	RTN40-J
Checked		Author	ECHAD
Approved		Material	RTN40 END TRUCK JOINT
Drawn by		Date	6/2013