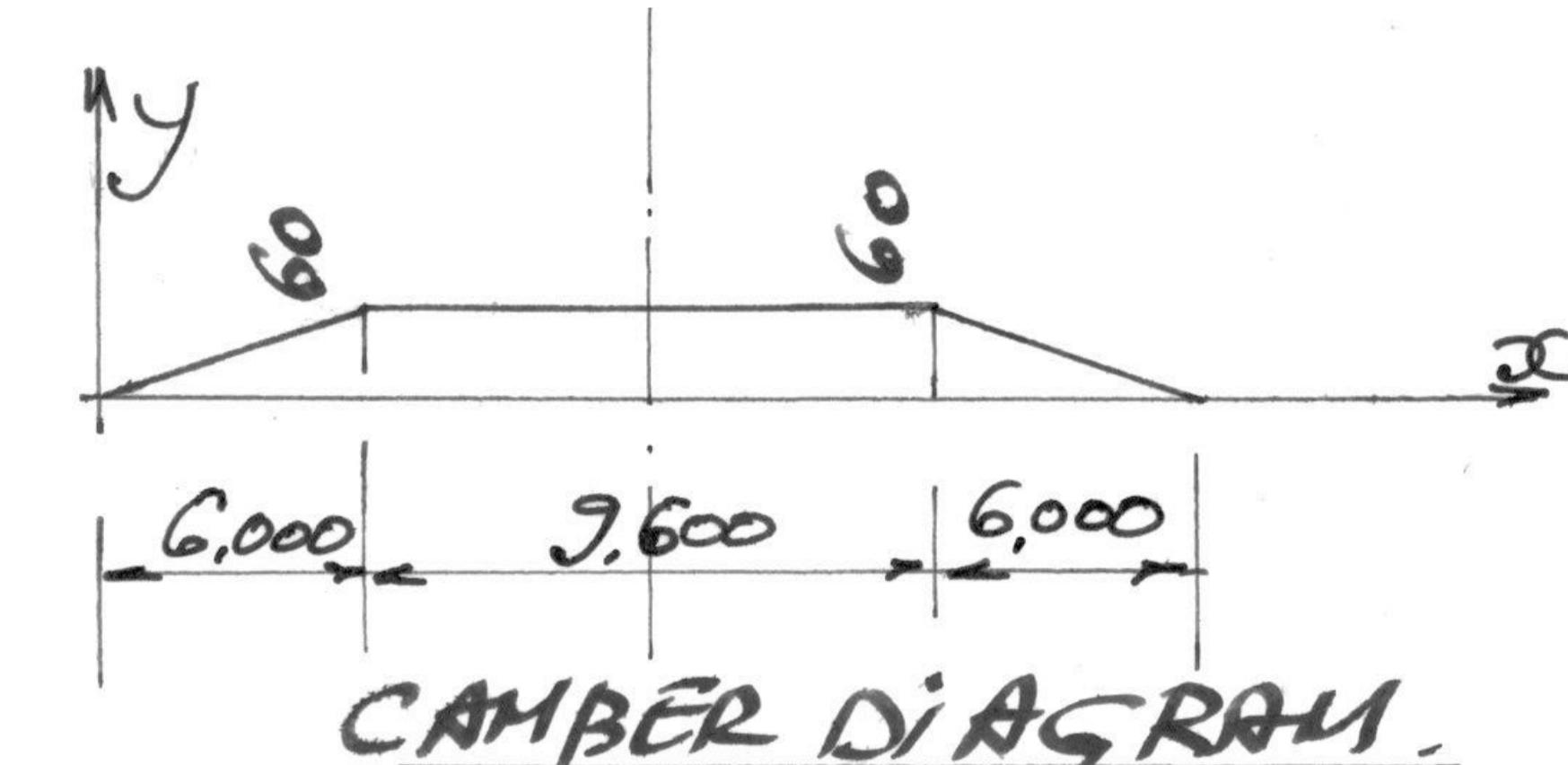
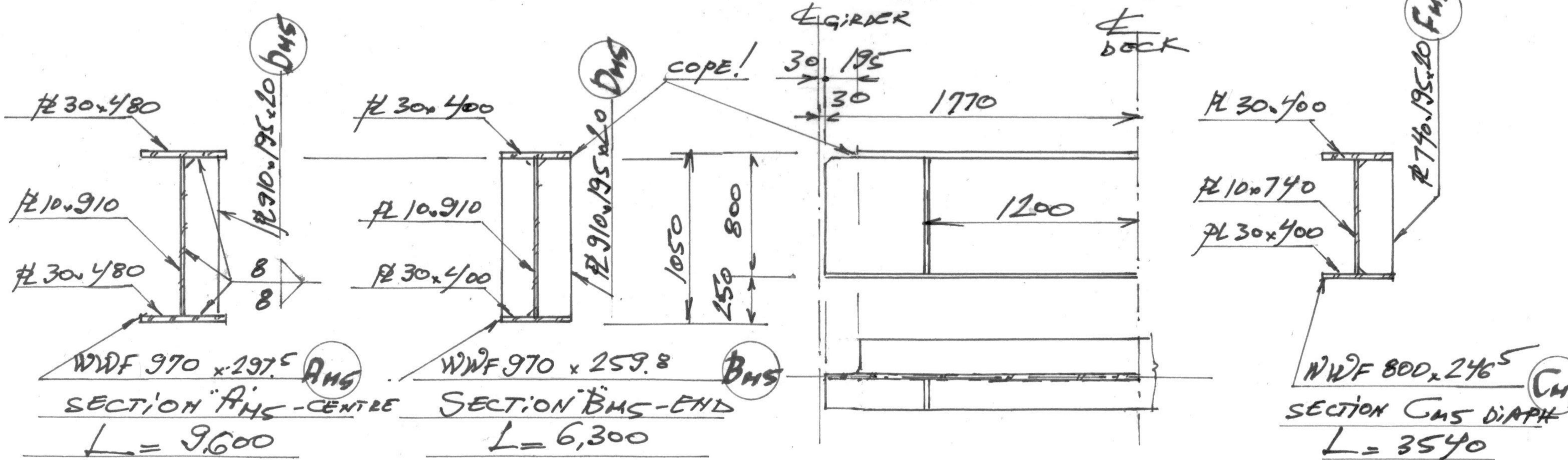


PLAN NTS

ELEVATION NTS.



#### General notes:

- Design CAN/S6-00
- Live Load CL-625
- Dead Load 11.65 kN/m per girder

#### Material:

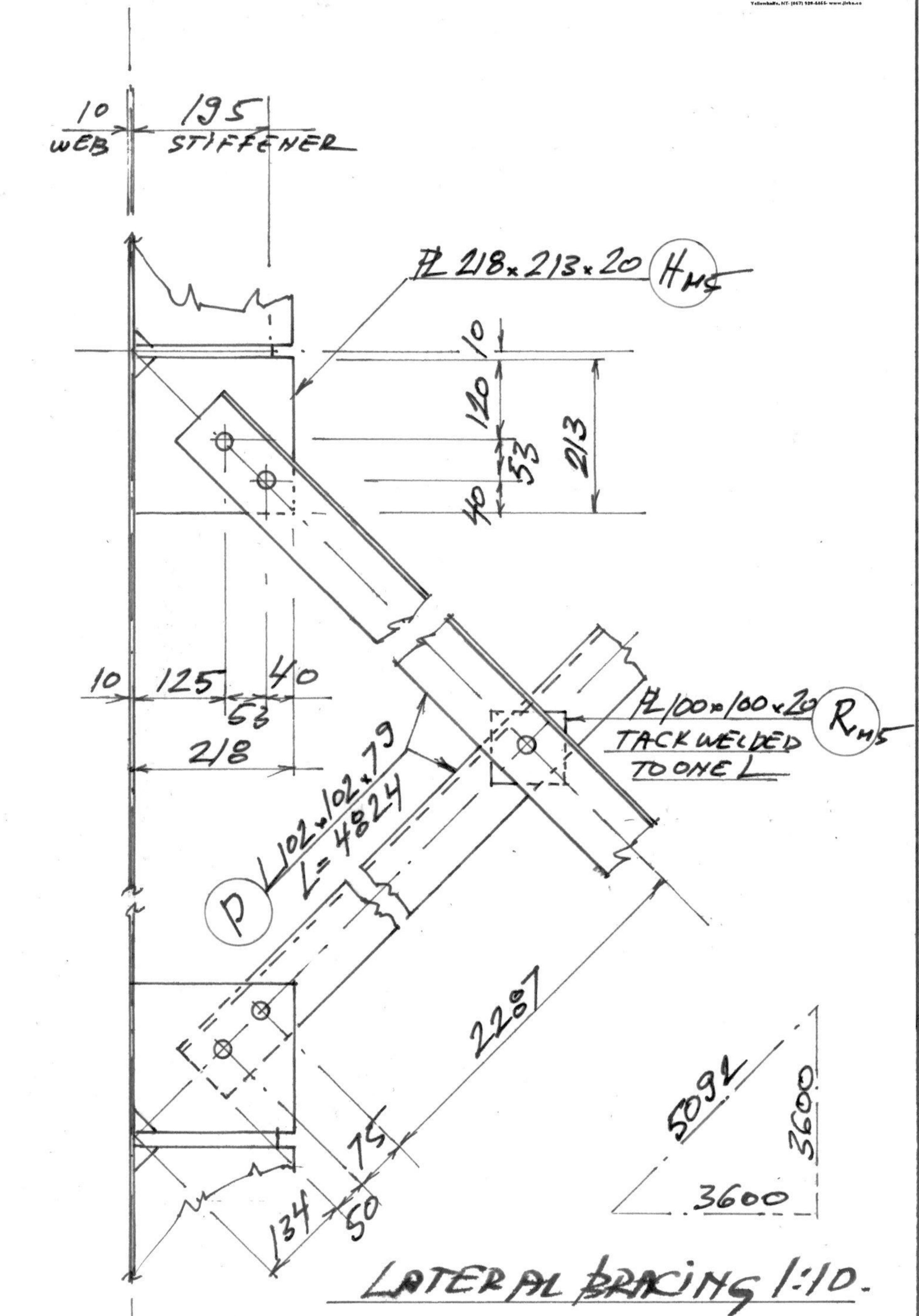
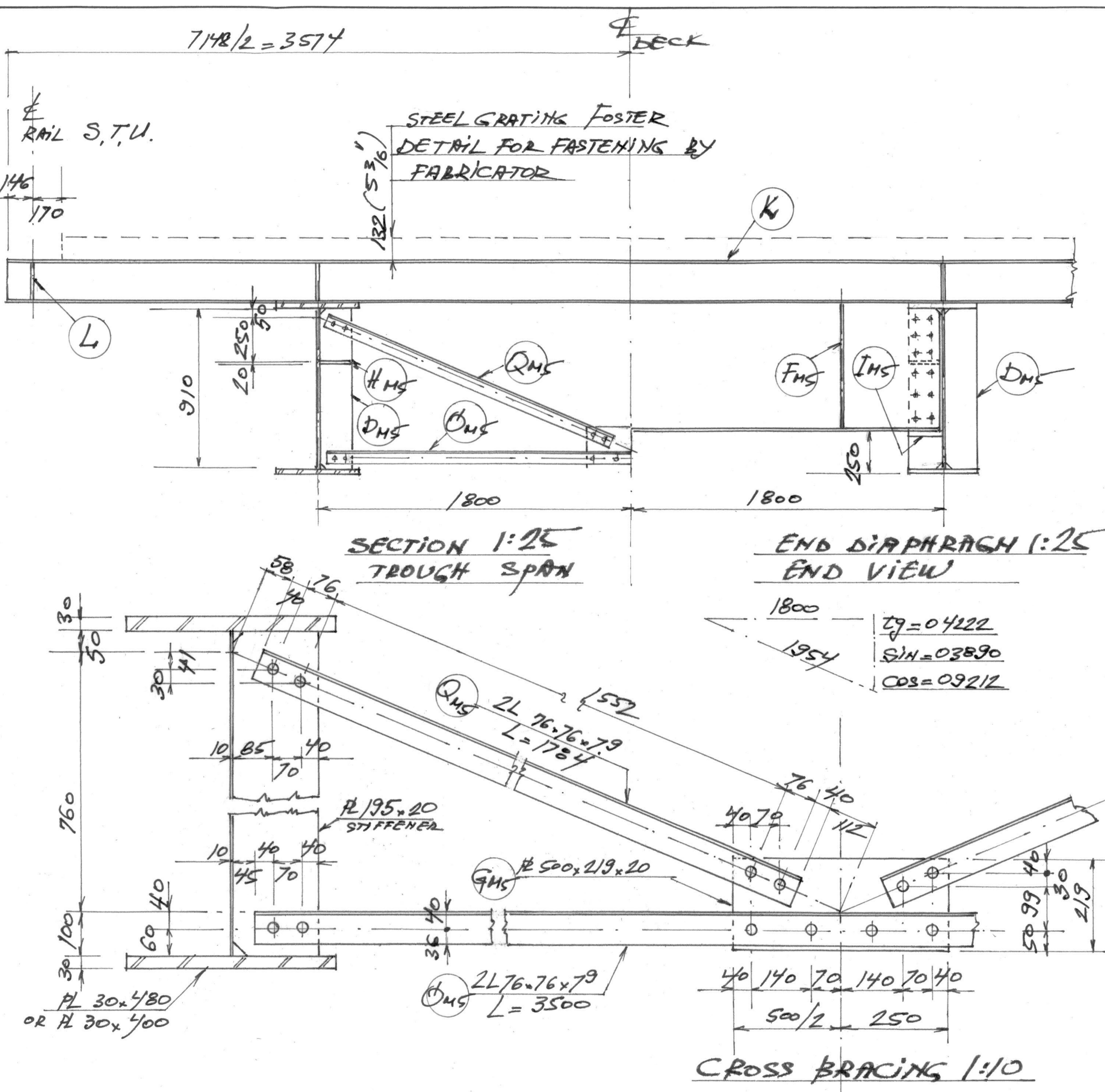
1. Material for bottom flanges and webs of girders and detail material welded to them to be G40.21M 350AT impact category 4 and are to be fabricated in accordance with S6-00, Clause 10.23 as FCM
2. All other steel not included above, (diaphragms, lateral and cross bracing, etc.) to conform to G40.21M 350A.
3. HSS for bridge rail to be G40.21M 350W hot dip galvanised. Bleeding holes are not allowed on base plates of the rail posts.
4. All bolted connections to be made with high strength bolts conforming to ASTM -A325. All bolts to be 7/8" diameter, except that bolts of 3/4" diameter are to be used for floor beams to top flange connections. Bolt holes to be drilled 2mm larger than specified bolts.
5. Girders are to meet the camber diagram shown on drawing 1



M5 -1of3

Rankin Inlet, NU  
M5 Crossing Bridge  
L= 22.2m  
Girder Plan, Elevation, Sections,  
Camber and General Notes

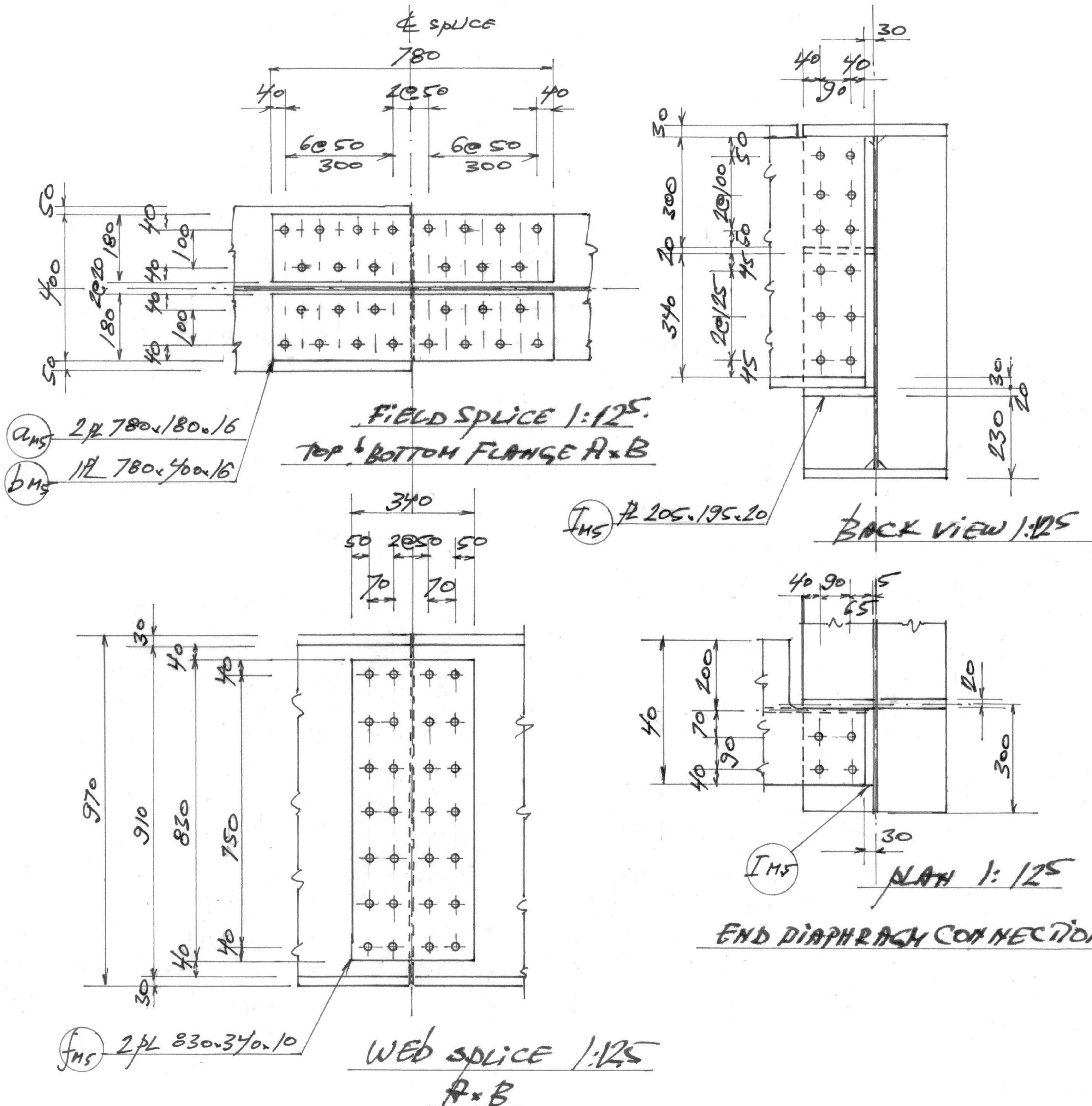
7148/2 = 3574



M5 -2of3

Rankin Inlet, NU  
M5 Crossing Bridge  
L = 22.2m  
Cross-Section, Bracing,  
Floor Beam, Railing

# MATERIAL TABLE



Mark	Qty	Designation	Unit	Mass	L/A	Weight	Description
					m /m2	kg	
Am5	2	WWF 970 x 297.5	kg/m	297.50	9.600	5,712	Centre Girder
Bm5	4	WWF 970 x 259.8	kg/m	259.80	6.300	6,547	End Girder
Cm5	2	WWF 800 x 246.5	kg/m	246.50	3.540	1,745	Diaphragm
						14,004	
Dm5	30	PL 910 x 195 x 20	kg/m <sup>2</sup>	157.00	0.177	834	Girder Stiffeners
Fm5	4	PL 740 x 195 x 20	kg/m <sup>2</sup>	157.00	0.144	90	Diaph Stiffeners
						924	
Gm5	2	PL 500 x 219 x 20	kg/m <sup>2</sup>	157.00	0.110	35	Gusset Cross Br
Hm5	24	PL 218 x 213 x 20	kg/m <sup>2</sup>	157.00	0.046	173	Gusset lateral br
Im5	4	PL 205 x 195 x 20	kg/m <sup>2</sup>	157.00	0.040	25	Gusset Diaph.
Jm5	12	PL 200 x 140 x 20	kg/m <sup>2</sup>	157.00	0.028	53	Lifting Lugs
						286	
K	15	W 250 x 58	kg/m	58.20	7.148	6,240	Floor Beam
L	90	PL 225 x 95 x 20	kg/m <sup>2</sup>	157.00	0.021	297	Sm. Stiffener Fl. B. 6pcs Beam
M	60	PL 224 x 195/95 x 20	kg/m <sup>2</sup>	157.00	0.033	311	Big Stiffener Fl. B. 4pcs Beam
N	60	PL 400 x 100 x 16	kg/m <sup>2</sup>	125.60	0.040	301	Ext. support Fl.B.
						7,149	
O	4	L 76 x 76 x 7.9	kg/m	9.00	3.500	126	Low Cross Brace
P	12	L 102 x 102 x 7.9	kg/m	12.20	4.824	706	Lateral Brace
Q	8	L 76 x 76 x 7.9	kg/m	9.00	1.784	128	Diagonal Cross Brace
R	6	PL 100 x 100 x 20	kg/m <sup>2</sup>	157.00	0.010	9	Spacer Plate on Lat Br
						970	
S	4	HSS 102 x 102 x 48	kg/m	14.10	22.200	1,252	Rail
T	26	HSS 152 x 102 x 8	kg/m	28.40	0.900	665	Post
U	26	PL 292 x 200 x 20	kg/m <sup>2</sup>	157.00	0.058	238	Base Plate
						2,155	
V	2	L 102 x 102 x 7.9	kg/m	12.20	6.500	159	Ramp
W	36	PL 90 x 30 x 25	kg/m <sup>2</sup>	196.25	0.075	530	Ramp
X	48	W 100 x 19	kg/m	19.00	0.886	808	Ramp
Y	36	PL 2170 x 150 x 10	kg/m <sup>2</sup>	78.50	0.326	920	Ramp
Z	12	PL 2170 x 114 x 16	kg/m <sup>2</sup>	125.60	0.247	373	Ramp
						2,789	
am5	16	PI 780 x 180 x 16	kg/m <sup>2</sup>	125.60	0.140	281	splice flange
bm5	8	PI 780 x 400 x 16	kg/m <sup>2</sup>	125.60	0.312	313	splice flange
fm5	8	PI 830 x 340 x 10	kg/m <sup>2</sup>	78.50	0.282	177	splice web
						772	
				total		29.050	



**AGNICO-EAGLE**

**Rankin Inlet, NU  
M5 Crossing Bridge  
L= 22.2m  
Field Splices, End Diaphragm,  
Material Table**