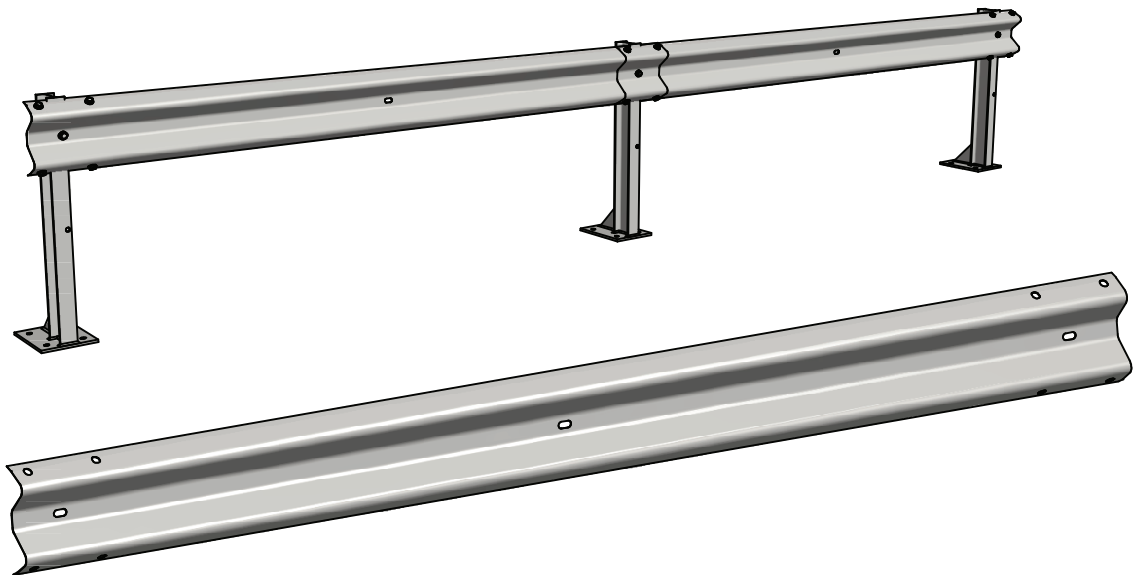
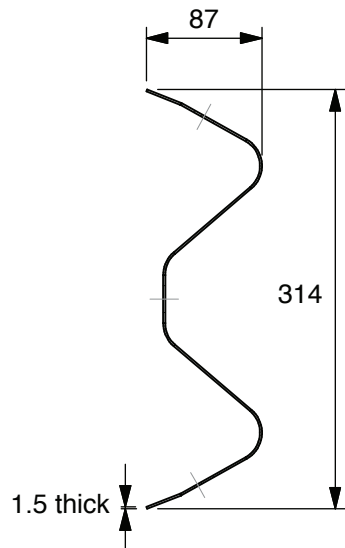
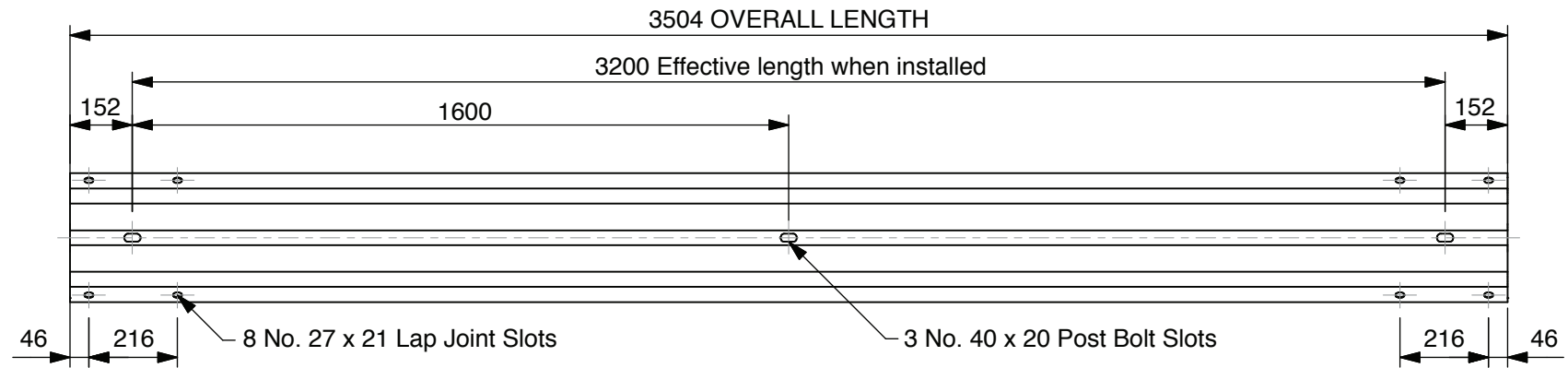
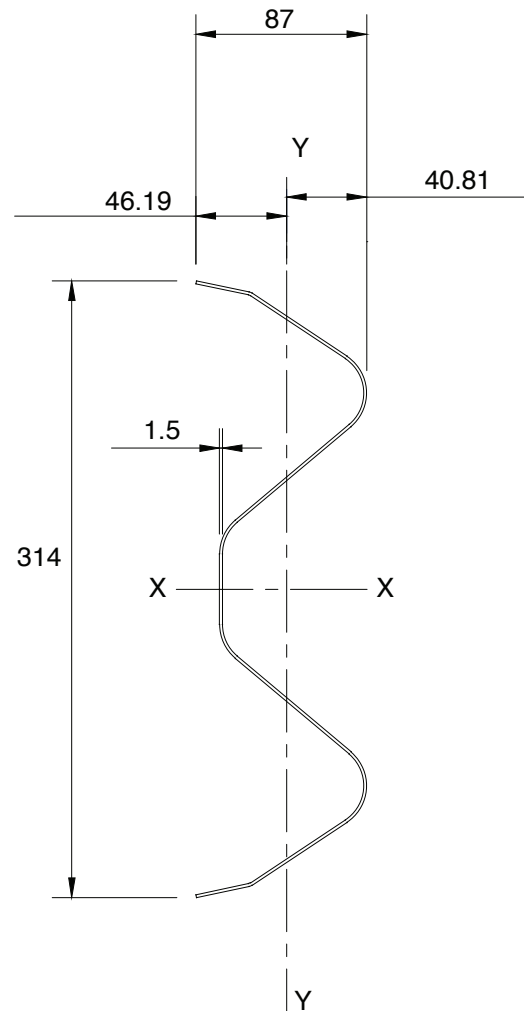




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1.5mm Beam - Grade HX340
(min yield stress 340 N/mm²)

Area: 7.19cm²

Moments of inertia: $I_{xx} = 730.6\text{cm}^4$
 $I_{yy} = 48.2\text{cm}^4$

Radii of gyration: $r_{yy} = 2.59\text{cm}$

Section Modulus: $Z_{xx} = 46.5\text{cm}^3$
 $Z_{yy} = 10.4\text{cm}^3$

Beam comparison

	1.5mm Beam	3mm Beam
Weight (kg/m)	5.70	11.70
Permissible moment capacity (N.m)	3.64	6.82
1000N centre point load deflection at 3.2m post spacing (mm)	6.70	3.00
Galvanising composition	Zn Al Mg	Zn
Potential average coating life (years) (dependent on environmental conditions)	30	20



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