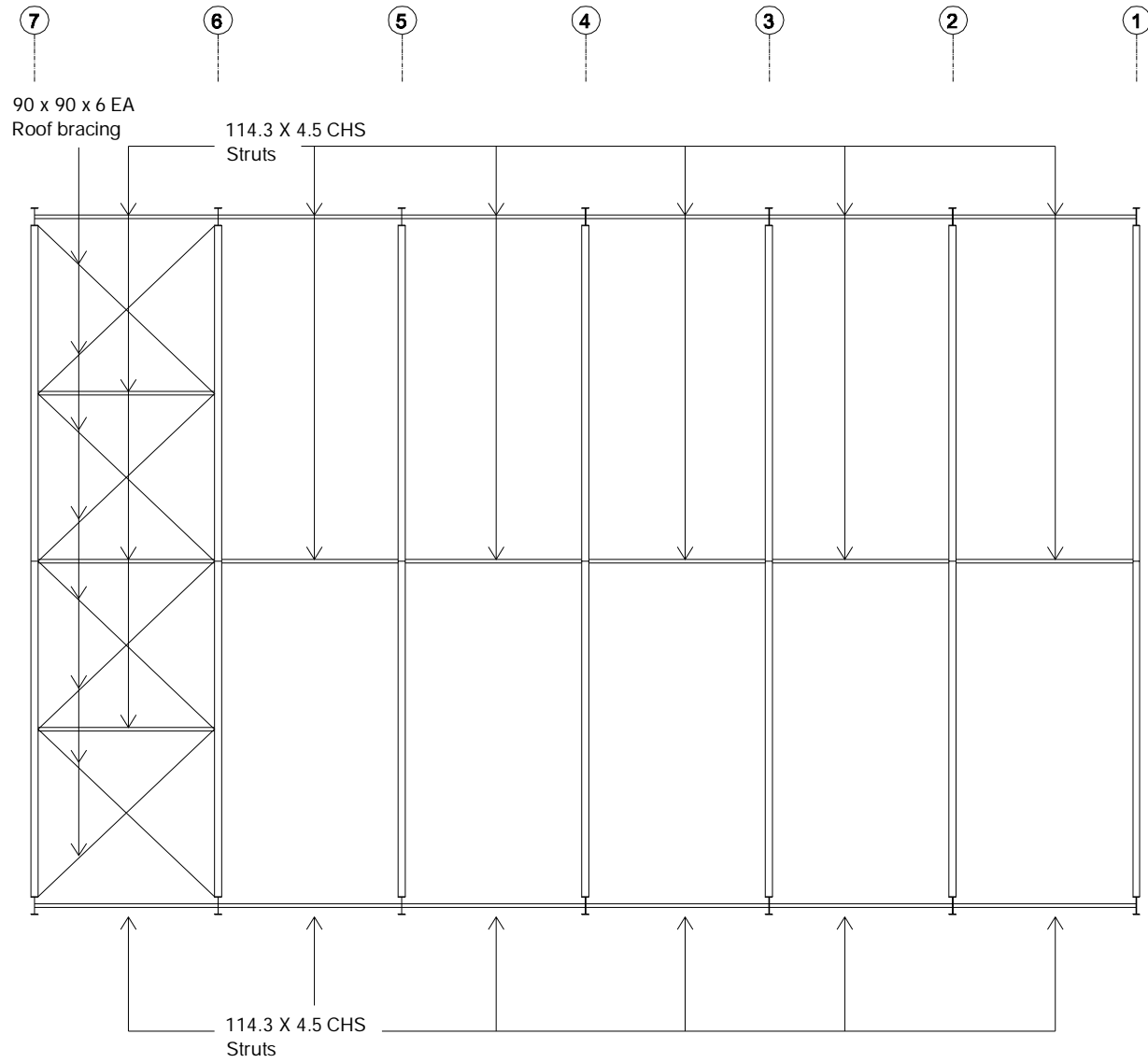


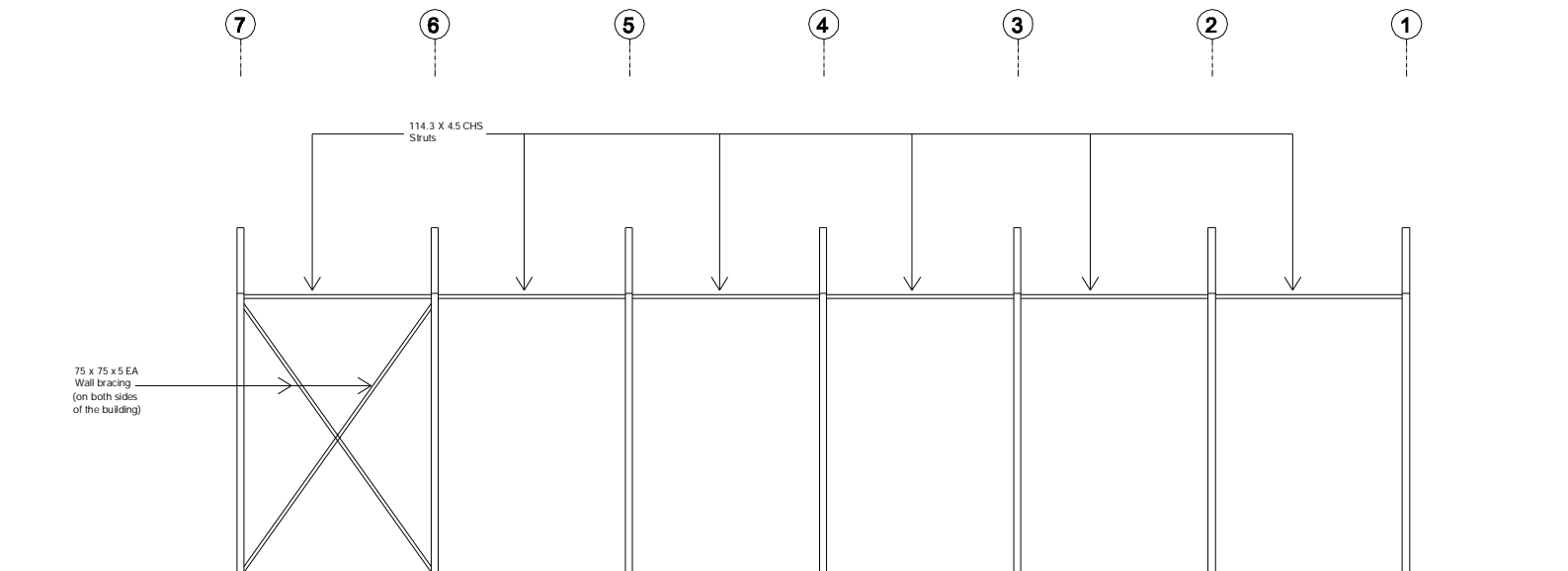
Building layout



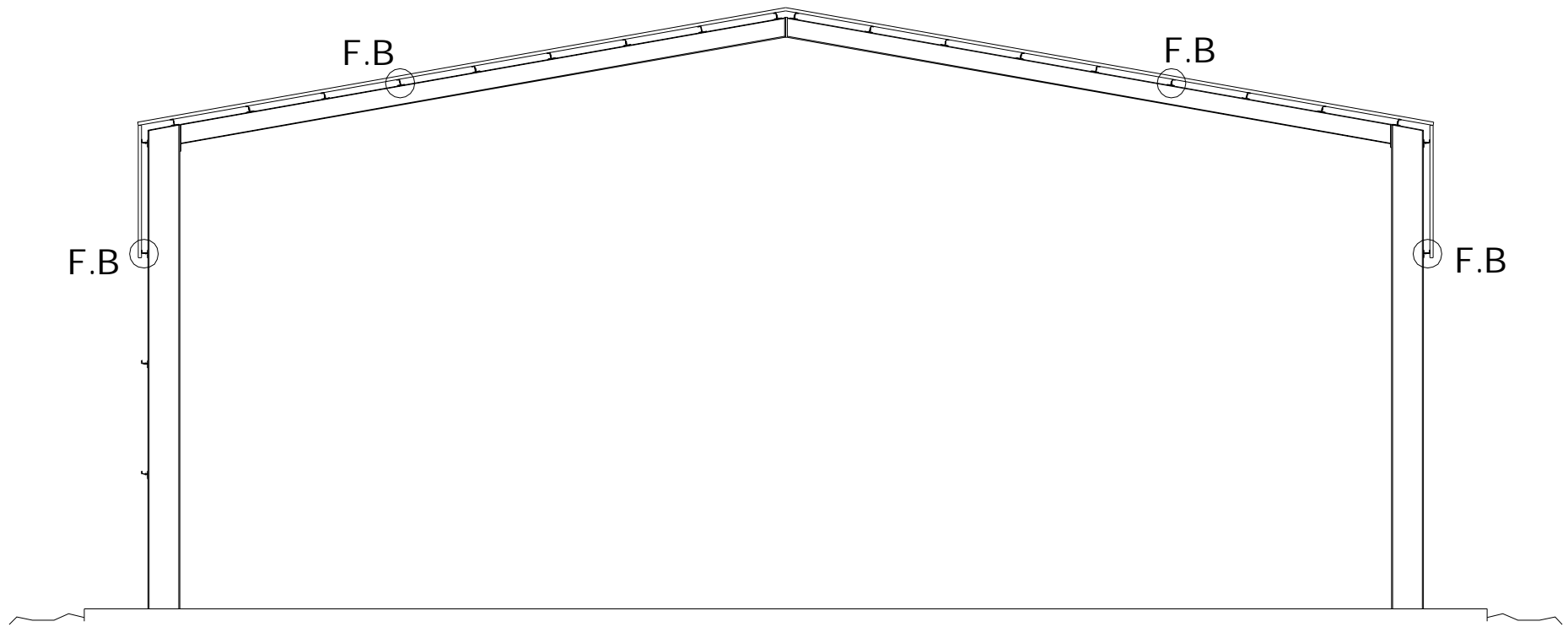
Sectional Elevation



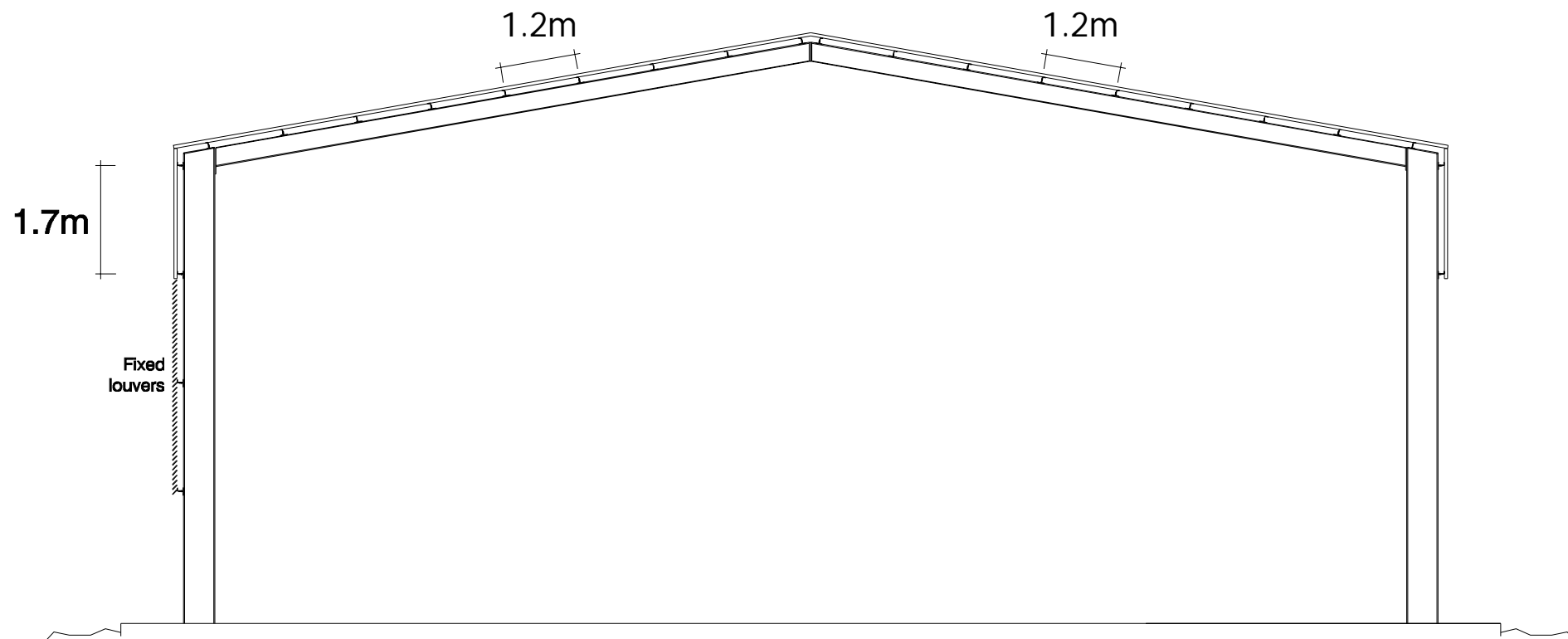
Roof bracing plan



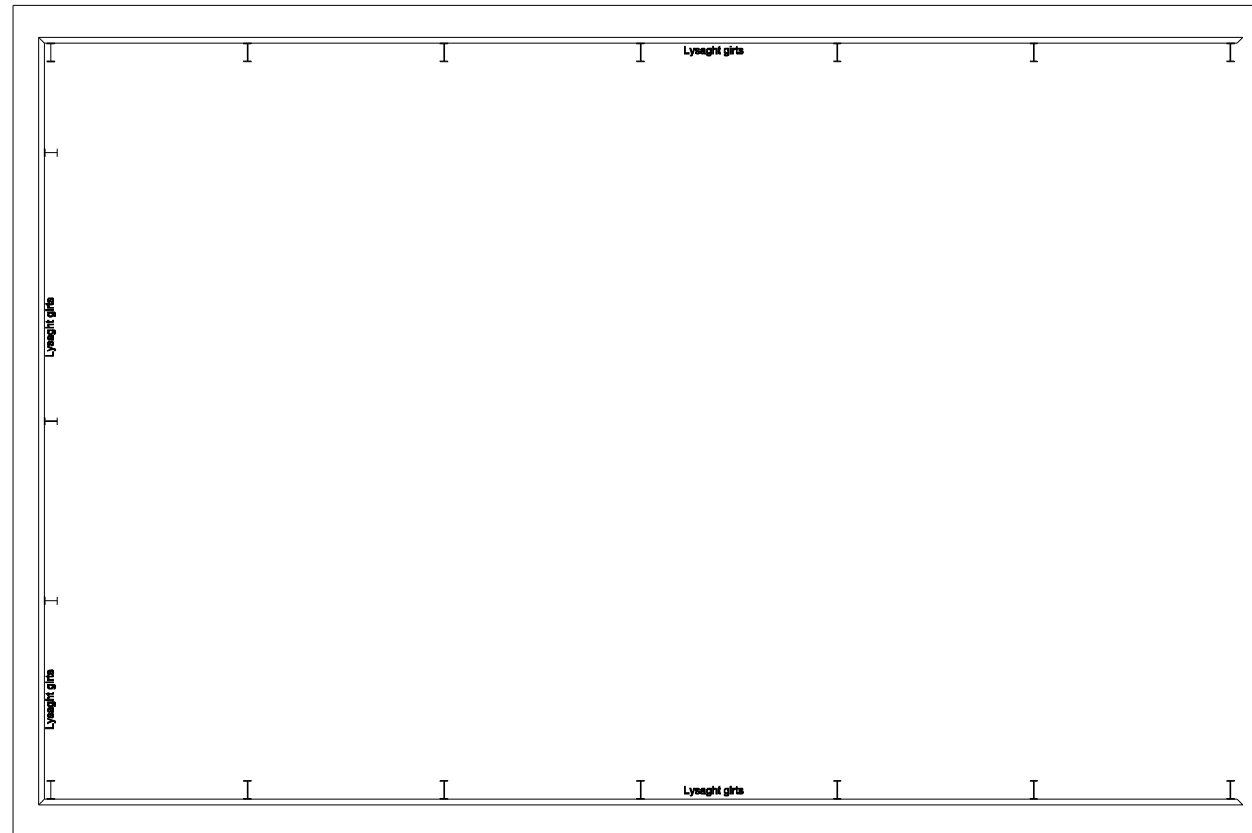
Wall bracing elevation



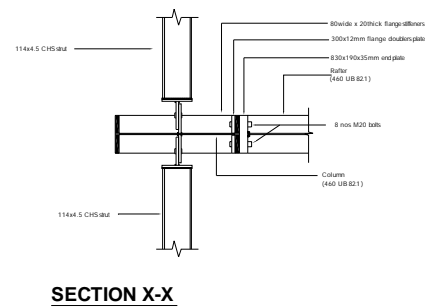
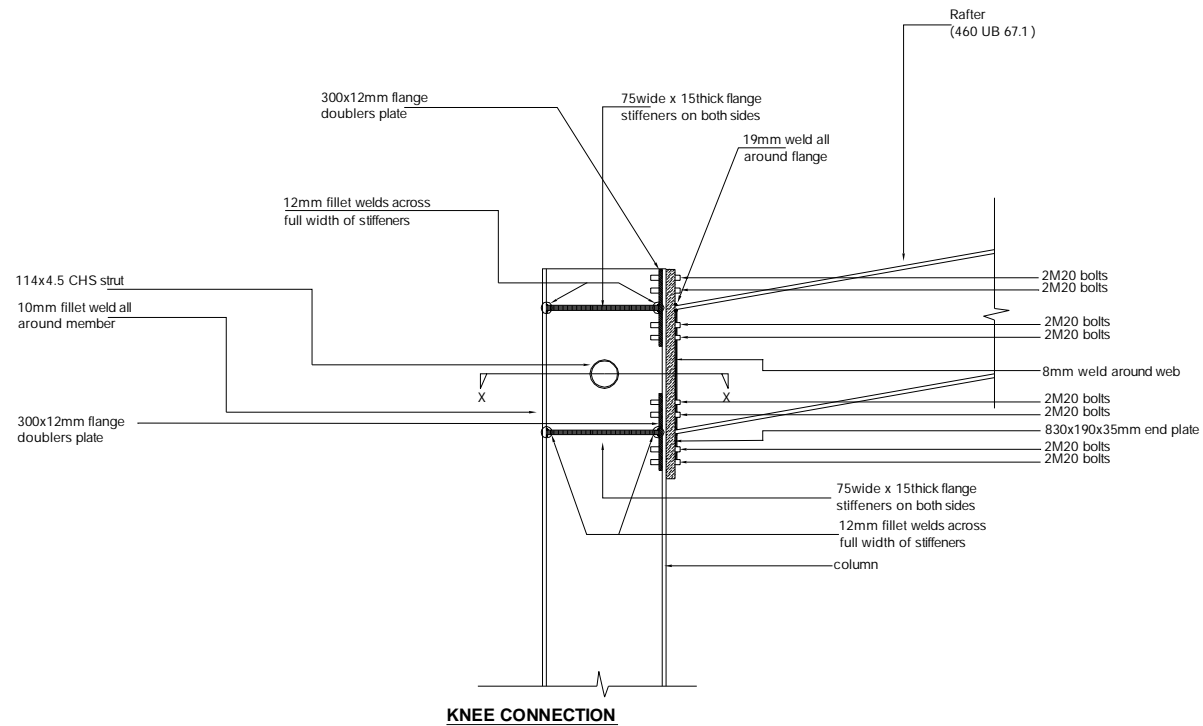
Building elevation and Fly brace locations

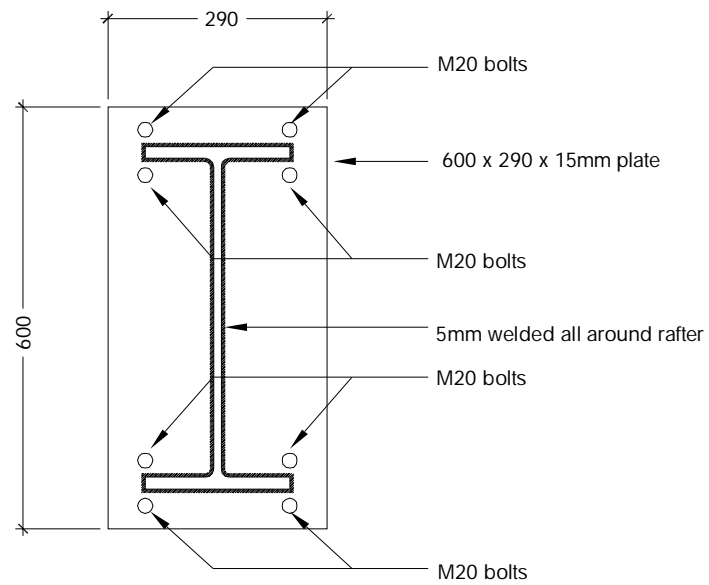


Purlin and Girt spacing

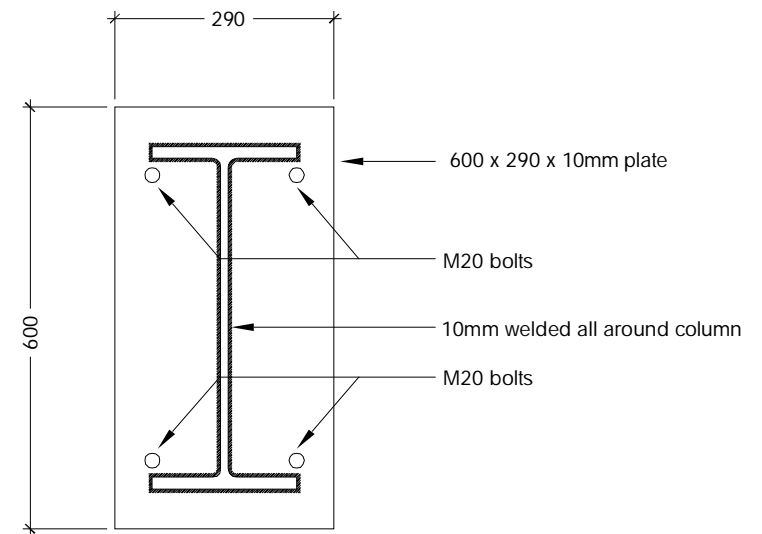


Wall cladding layout

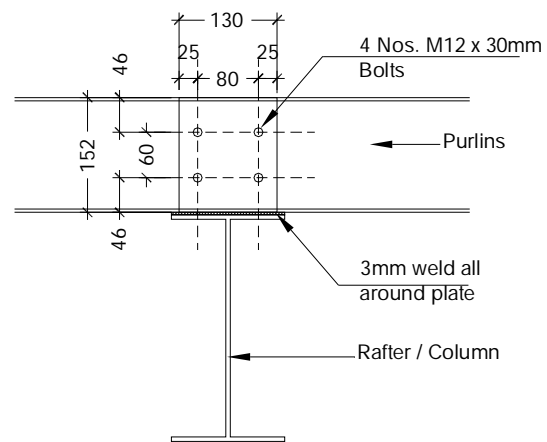




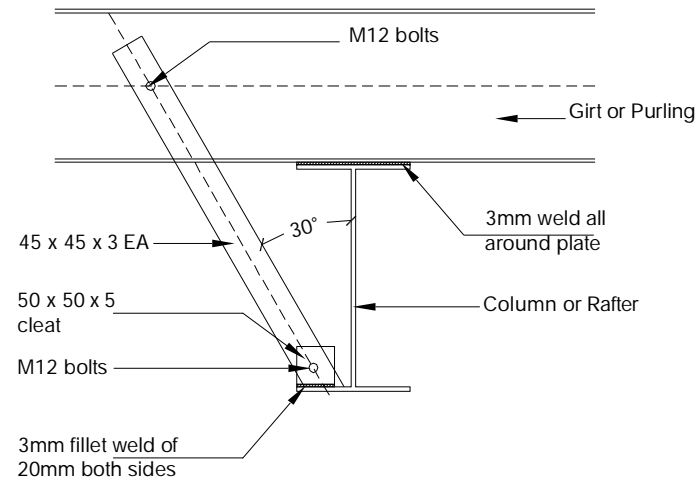
RIDGE CONNECTION DETAIL



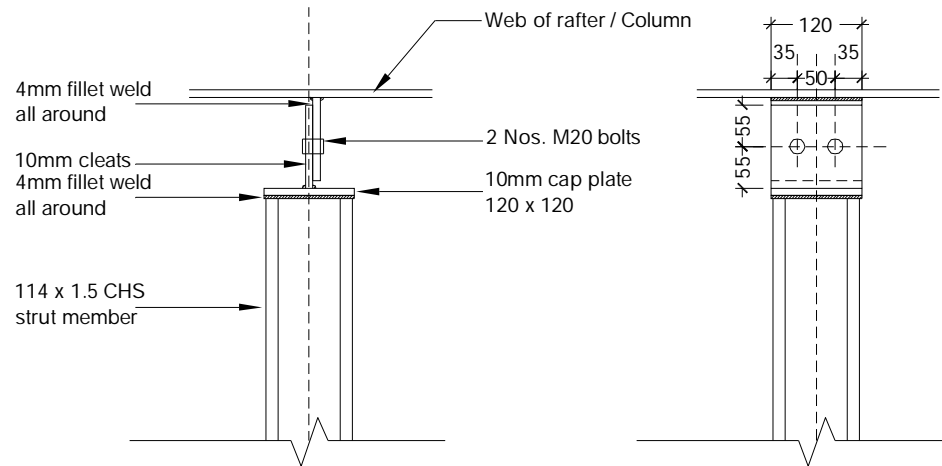
BASE PLATE DETAIL



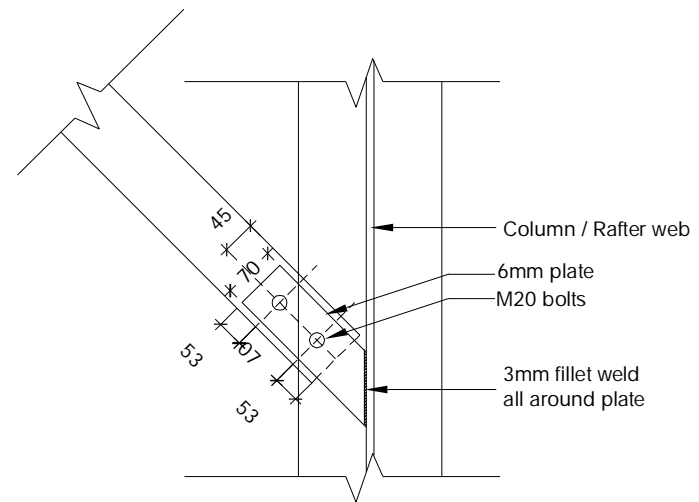
PURLIN / GIRT CONNECTION



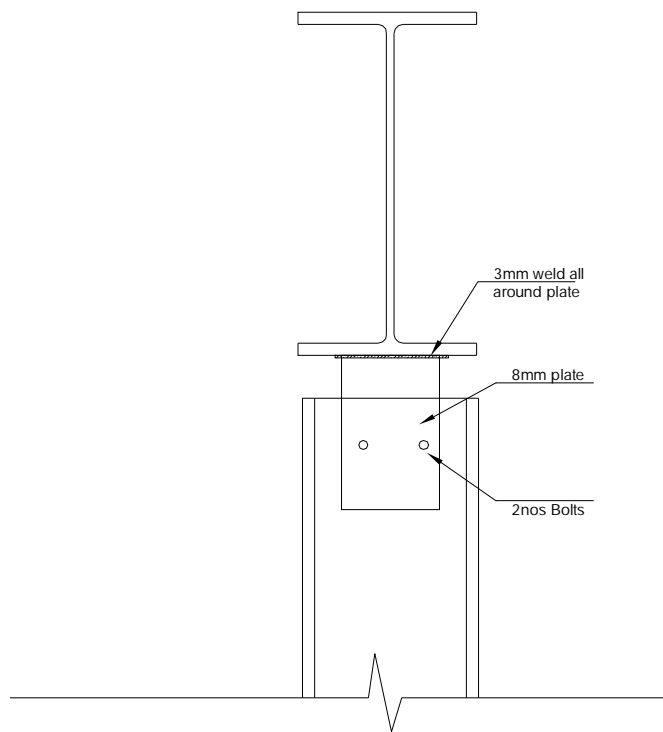
FLY BRACE DETAIL



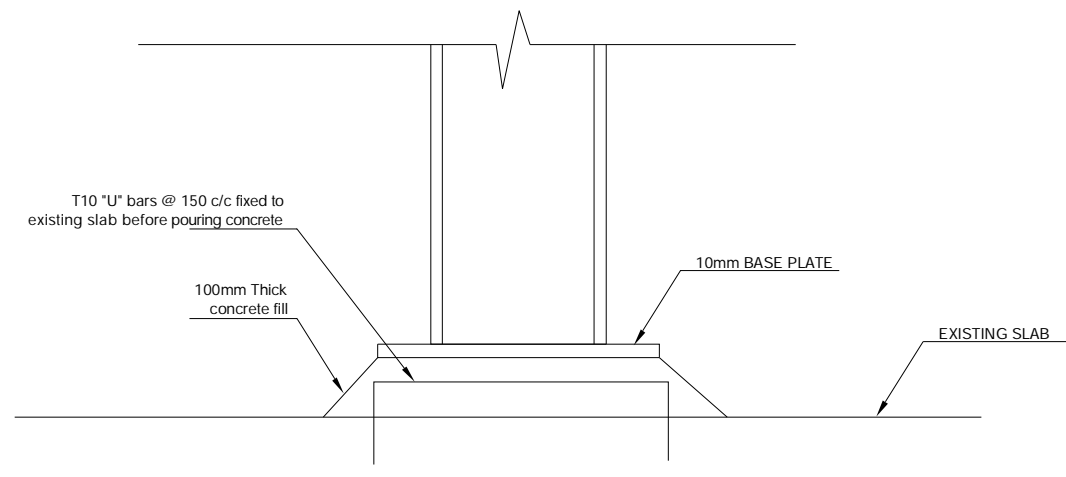
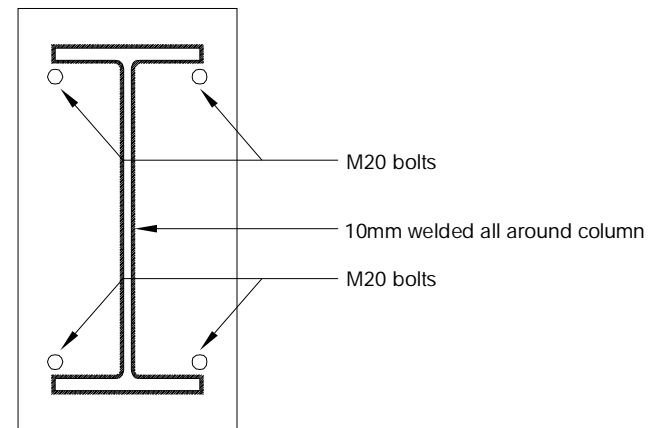
STRUT CONNECTION



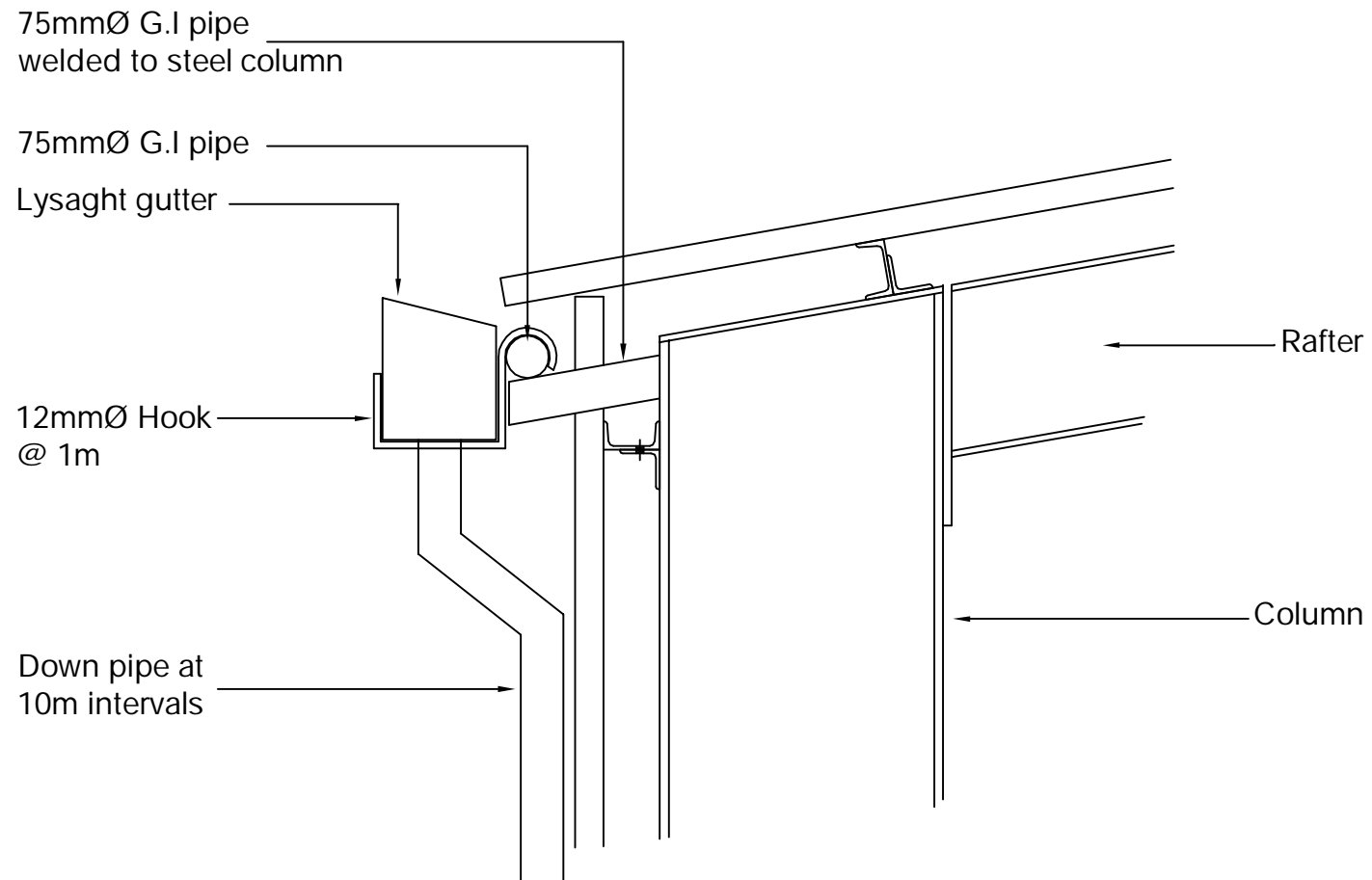
WALL / ROOF BRACING



END WALL TOP CONNECTION



END WALL BASE CONNECTION



GUTTER FIXING DETAIL

NOTES:

Steel strengths used in design of Portal frame

Rafters – 460UB 67.1 - yield stress = 310 MPa

Columns – 460UB 67.1 - yield stress = 310 MPa

End wall columns - 350 UB - yield stress = 310 MPa

Roof bracing members – 90 x 90 x 6 EA - yield stress = 320 MPa

Wall bracing members – 75 x 75 x 5 EA - yield stress = 320 MPa

Struts – 114 x 4.5 CHS – yield stress = 250 MPa

Plates in connections – yield stress = 250 MPa

Bolts – Tensile strength = 830 MPa

All welds – Nominal tensile strength = 480 MPa

Truss members – yield stress = 250 MPa