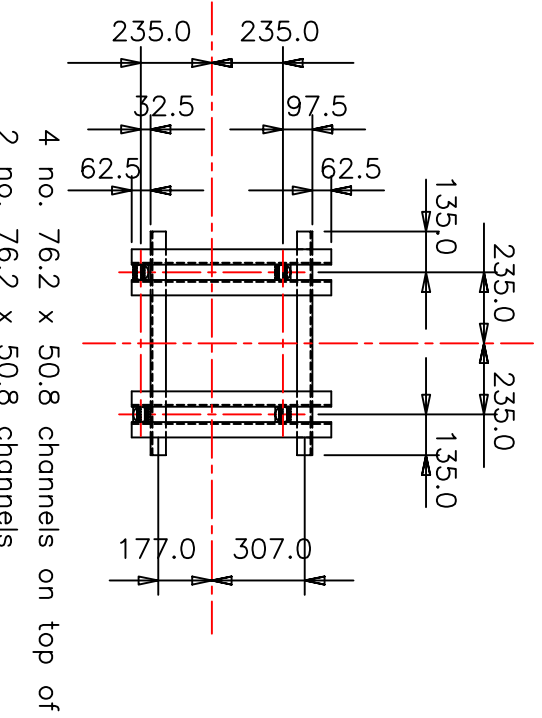
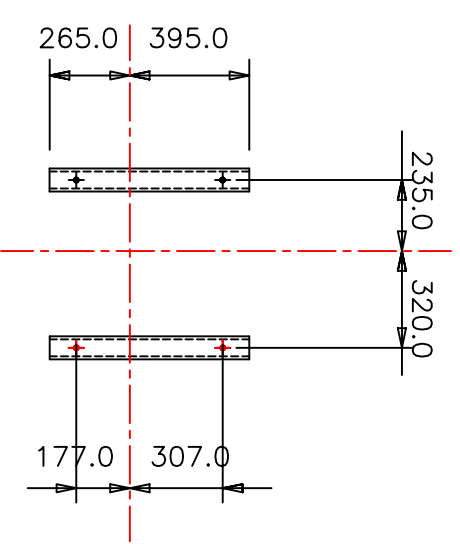


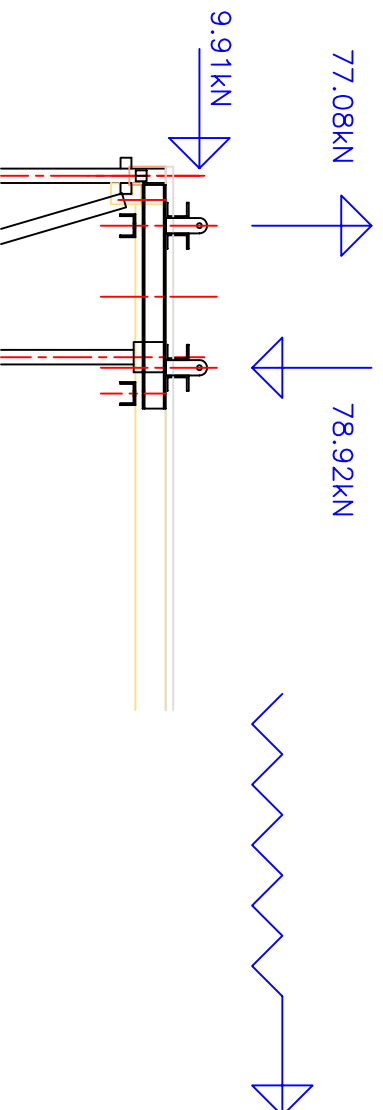
PLAN AT ONE CORNER (TYPICAL)



PLAN ON UPPER BASE FRAME



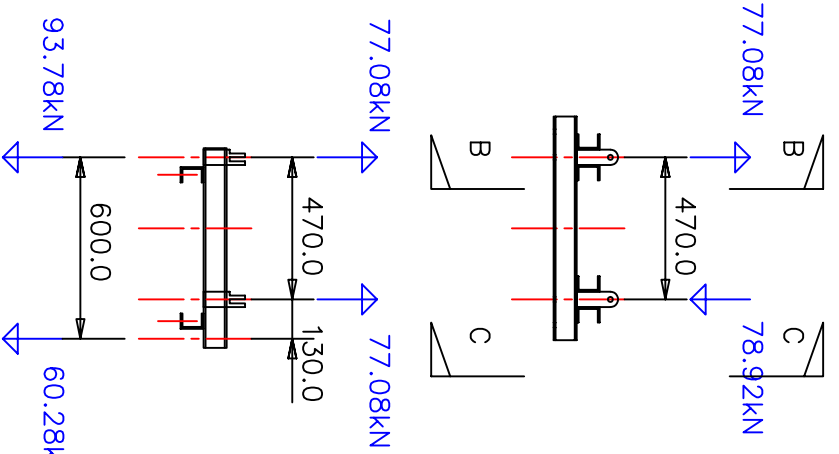
PLAN ON LOWER BASE FRAME  
for use during erection



SECTION A - A

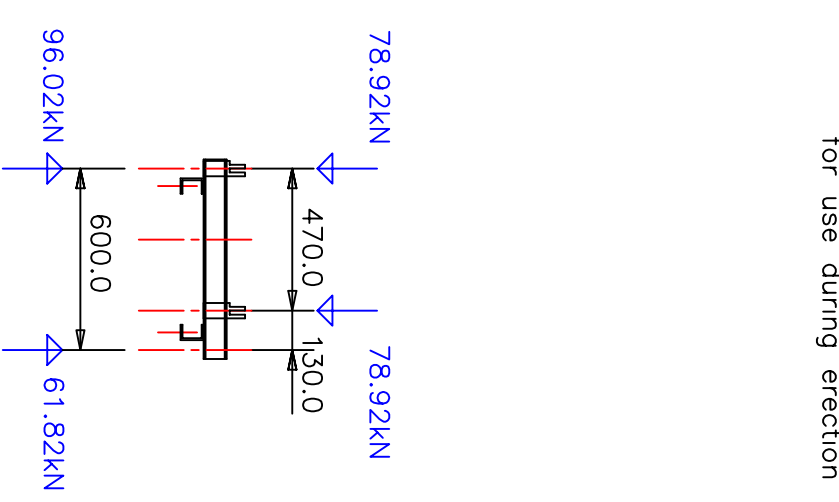
**NOTE**  
The above loads are extracted from the calculations for the 52cm Supertruss as shown on drawing no. X condition b) ii) – self-weight plus wind. The forces take account of the axial loads plus the bending moment at the base, and have been factored by  $1.2 \times 1.2[\text{dynamic}] = 1.44$  to provide the critical case for design of the fixings.

When the forces are acting downwards, the top frame sits directly onto the framework of the stage, and transmits them through it to the ground. When the forces are acting upwards, the top frame will be fixed to the framework of the stage using ratchet straps that transmit the forces to the bottom of the adjacent standards of the RMD Kwiform framework.



SECTION B - B

Ratchet straps need to have a safe working capacity of  $93.78/1.44 = 6700\text{kgs}$ .



SECTION C - C

Shear force in channels = 61.82kN  
VRS =  $155 \times 76.2 \times 6.35 \times 2 / 1200 = 125.0\text{kN}$   
M =  $61.82 \times 0.115 = 7.11\text{kNm}$   
MRS =  $0.65 \times 255 \times 28.80 \times 2 / 1200 = 7.96\text{kNm}$