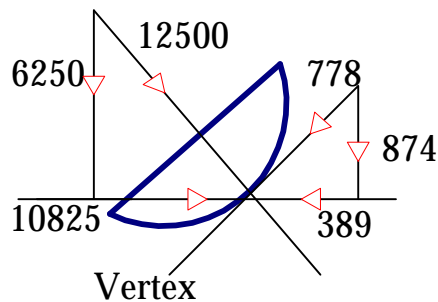


Forces on Vertex Dish

Dish Diameter **2.4 Meters**
Wind Speed **125 mph**
Dish Elevation **30 degrees**

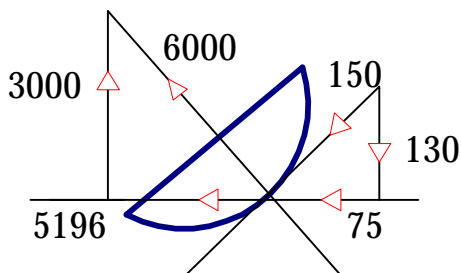
All forces are expressed in Newtons

Wind from front



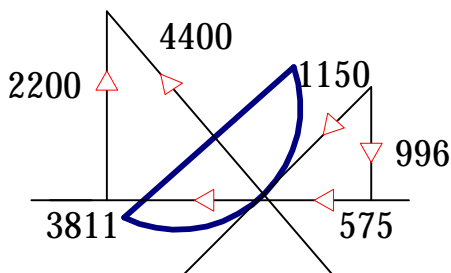
Compression	= 6924 Newtons
Tension	= 0 Newtons
Shear	= 10436 Newtons

Wind from side



Tension	= 2870 newtons
Shear	= 5271 newtons

Wind from back



Tension	= 1204 newtons
Shear	= 4386 newtons

Maximum Compression	= 6924 Nts. 1556.6 pounds 0.69 tons
Maximum Tension	= 2870 Nts. 645.26 pounds 0.29 tons
Maximum Shear	= 10436 Nts. 2346.3 pounds 1.05 tons

S+AS Limited

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 Wallhouse, Torphichen
 West Lothian
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Generic Forces
 Diagram

DWG NO SF24GFD
 SAS_001/9/97

REV
 A

SHEET

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