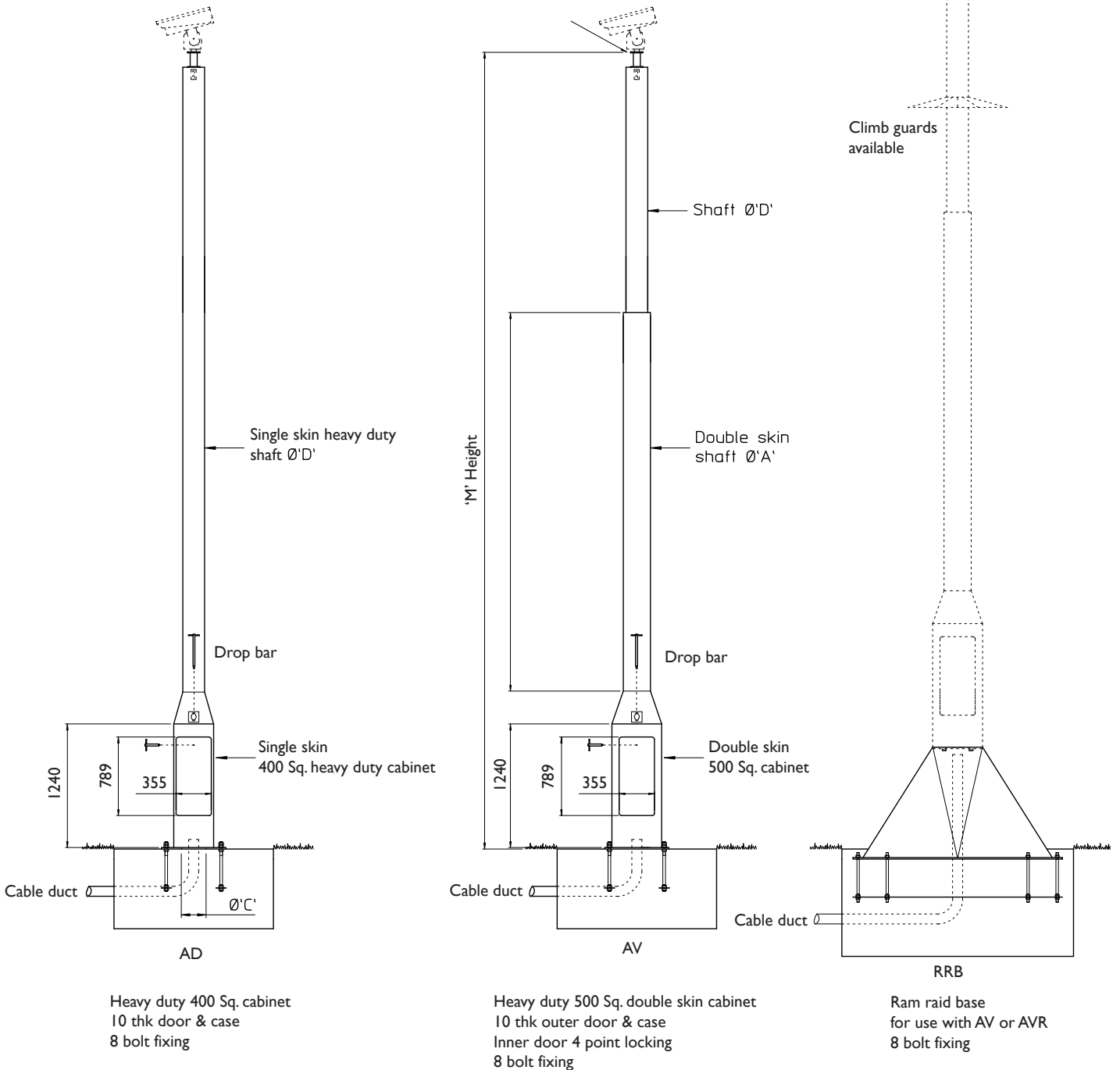


## Technical Specification

Model Ref	Height 'M'	Shaft size 'D'	Shaft size 'A'	Maximum equip cap'ty	Cable access hole Ø'C'
AV6 AD6	6m	Ø168	n/a Ø219	25Kgs.	Ø250
AV8 AD8	8m	Ø168	n/a Ø219	25Kgs.	Ø250
AV10 AD10	10m	Ø219	n/a Ø273	25Kgs.	Ø250
AV12 AD12	12m	Ø219	n/a Ø273	25Kgs.	Ø250

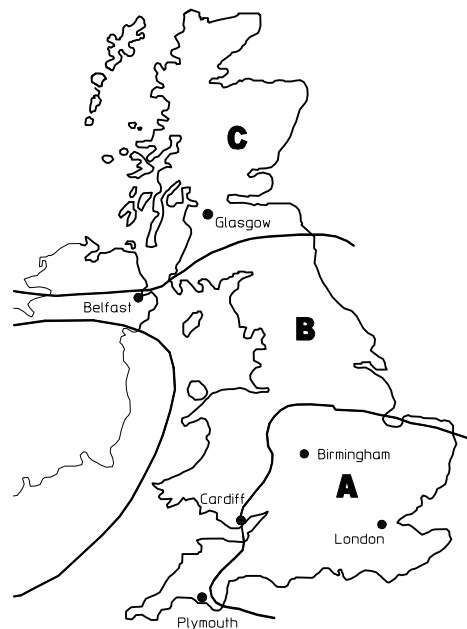
Details on door locking system are available



## Base and Windload Specification

Concrete Foundation Table X x Y x Z							
Model & Base Ref	Ht.	Area of Country			Area of Town		
		A	B	C	A	B	C
AV6 AD6	6m	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.
AV8 AD8	8m	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.
AV10 AD10	10m	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.7x1.7x 0.85m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.
AV12 AD12	12m	1.7x1.7x 0.85m Dp.	1.8x1.8x 0.9m Dp.	1.8x1.8x 0.9m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.7x1.7x 0.85m Dp.

A minimum soil bearing pressure of 75 KN/m<sup>2</sup> is assumed



## Installation Method

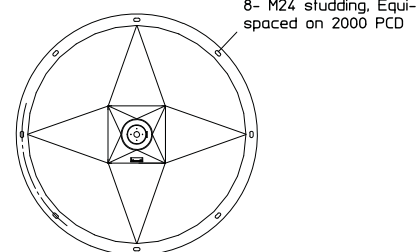
1. From the map, select location of installation
2. Excavate as per recommended area and depth
3. Assemble root base as shown in fig. 1
4. Insert root base into the hole ensuring that it is level and that the four studs protrude 60-70mm above the concrete foundation
5. Fit the cable duct if routing via the interior of the column. A plastic pipe of approximately 100mm outside diameter is recommended for this. Ensure this protrudes through the template by 50mm minimum.
6. Pour concrete ensuring that it is a mix of C35 to table 6 BS 8110 and then tamp down well
7. Fit the setting template over the four protruding studs, double-checking that they are level and that clear access can be gained to the cable duct if it is being used
8. Leave the concrete to cure for a minimum of 72 hours prior to attempting to erect the column
9. When fitting the column, ensure that the concrete base is in complete contact with the underside of the column and grout accordingly. Torque the nuts to 230-270 Nm (175-200 fl. lb.)
10. When the column has been fitted, protect the studs with a suitable protective coating. Denzo tape or similar is recommended for this

Foundation sizes are determined for three sets of wind speeds, which will cover most of the British Isles.

Area A = 44m/s (98mph)  
Area B = 48m/s (107mph)  
Area C = 52m/s (116mph)

Maximum gust speed is likely to be exceeded on average once every 50 years at 10m above the ground in open level country.

Plan View on RRB



8- M24 studding, Equi-spaced on 2000 PCD

fig. 2

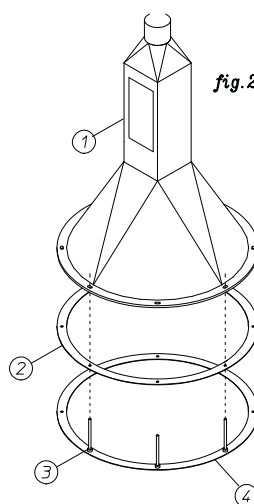
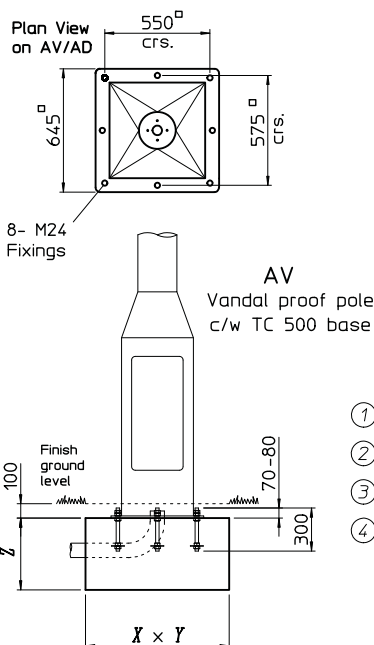
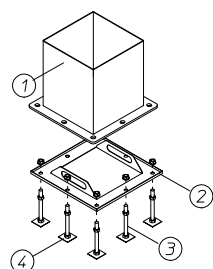


fig. 1



- ① Vandal proof pole
- ② Setting template
- ③ M24 Studding
- ④ Root plate

