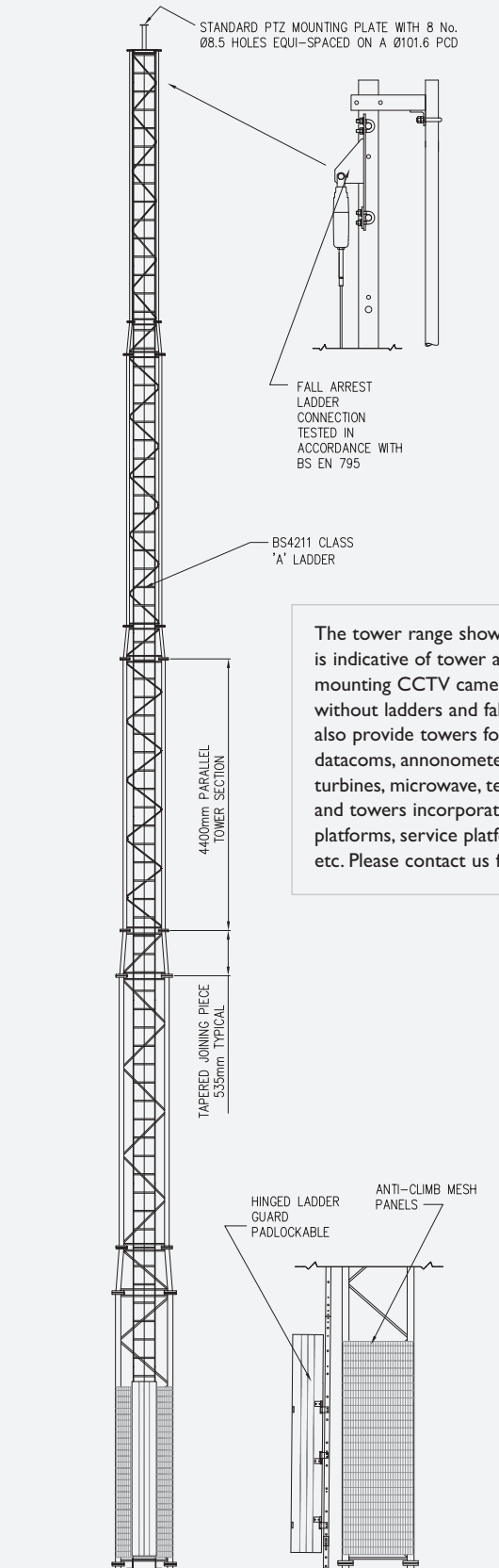


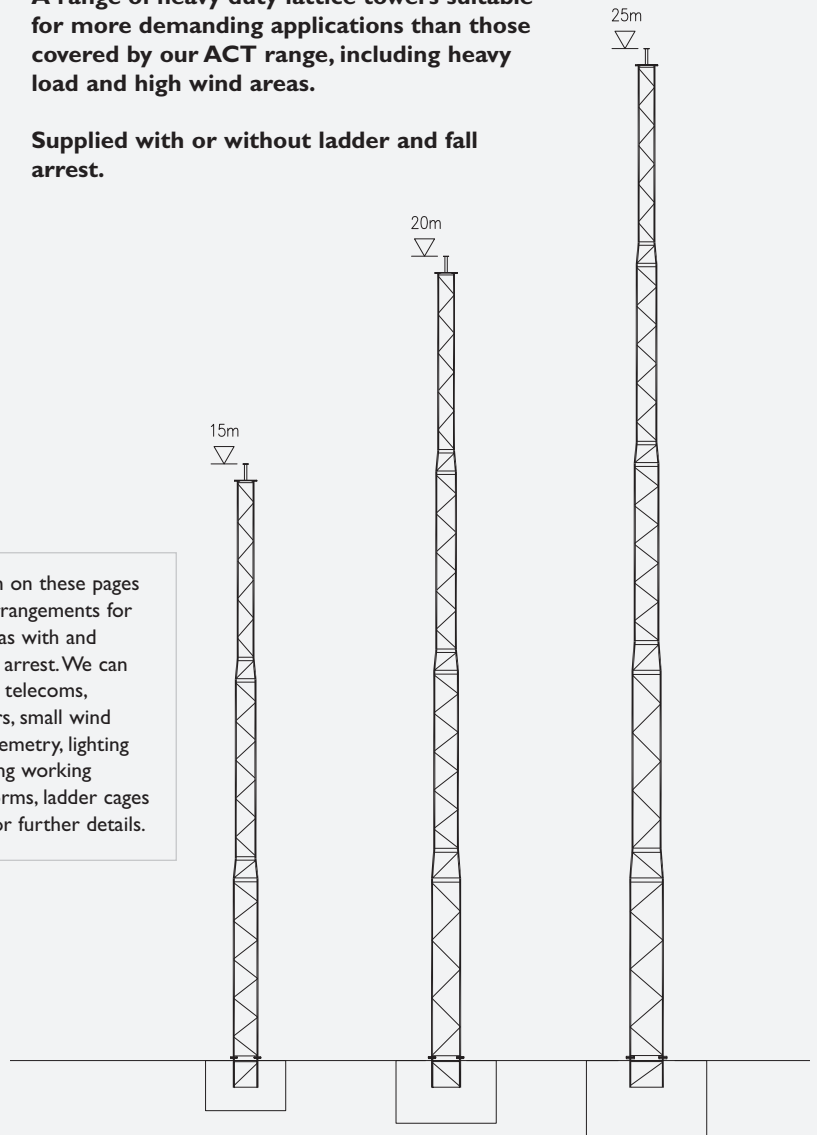
## ASST Towers 15m - 25m

A range of heavy duty lattice towers suitable for more demanding applications than those covered by our ACT range, including heavy load and high wind areas.

Supplied with or without ladder and fall arrest.



The tower range shown on these pages is indicative of tower arrangements for mounting CCTV cameras with and without ladders and fall arrest. We can also provide towers for telecoms, datacoms, anemometers, small wind turbines, microwave, telemetry, lighting and towers incorporating working platforms, service platforms, ladder cages etc. Please contact us for further details.



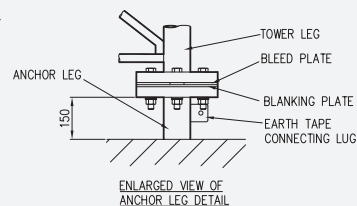
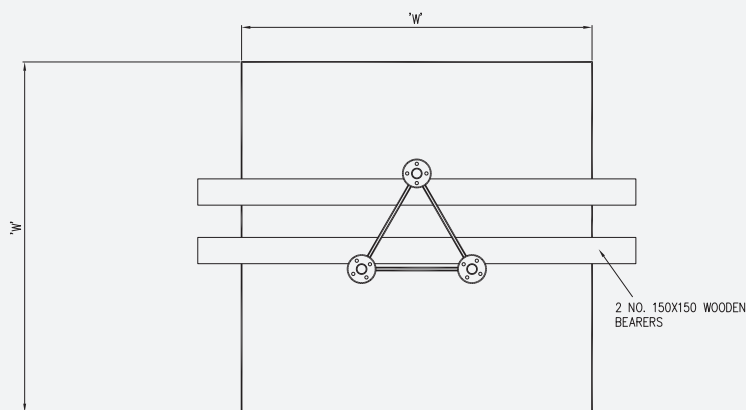
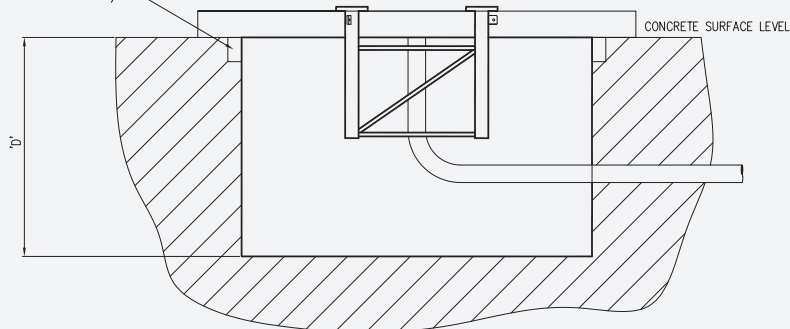
### Features

- Modular construction - Longest tower length = 4.4m for ease of transportation and installation.
- Ladders & fall arrest tested to comply with ISO standards.
- Comprehensive range of accessories.
- Service platforms available.
- Versatile and adaptable design due to interchangeable modules and our specialist in house software. Optimum tower solutions can be proposed, depending on level of equipment fitted, headload and location.

For design and construction standards see p91.

## ASST

SHUTTERING (REMOVE & BACKFILL ONCE CONCRETE HAS CURED)



### INSTALLATION METHOD

- 1/ EXCAVATE FOUNDATION PIT AS PER SIZE STATED.
- 2/ SHUTTER OFF TOP EDGE OF FOUNDATION PIT.
- 3/ SET TOWER ANCHOR FRAME INTO PIT – SUPPORTED BY 2 No. WOODEN BEARERS SPANNING THE PIT AND LEVEL.
- 4/ TOP OF FRAME TO BE LEVEL WITHIN 2mm.
- 5/ POSITION CABLE DUCTS IF APPLICABLE.
- 6/ CHECK TOWER ANCHOR LEGS FOR LEVEL DURING AND AFTER POURING CONCRETE. ANCHOR LEGS BEING LEVEL IS IMPERATIVE FOR THE CORRECT INSTALLATION OF THE TOWER.

### NOTES

- 1/ SAFETY FACTOR ON FOUNDATION TO RESIST OVERTURNING OF >2.
- 2/ FOUNDATION SHALL BE FOUNDED ON NATURAL GROUND WITH MINIMUM SAFE BEARING CAPACITY OF 100KN/m<sup>2</sup> OR BETTER.
- 3/ ALLOW A MINIMUM OF 7 DAYS AFTER POURING CONCRETE BEFORE INSTALLING TOWER.
- 4/ CONCRETE GRADE C35.

### FOUNDATION SIZES FOR THE UK TOWER HEAD LOAD [ Camera equipment weight = 40KGS Camera equipment surface area = 0.25m<sup>2</sup>

TOWER PART NUMBER	TOWER HEIGHT M	COUNTRY LOCATION			TOWN LOCATION		
		AREA A	AREA B	AREA C	AREA A	AREA B	AREA C
<b>TOWERS WITHOUT LADDER AND FALL ARREST</b>							
ASST/15	15	1.8x1.8x1	2x2x1	2x2x1	1.7x1.7x0.9	1.8x1.8x0.9	1.8x1.8x0.9
ASST/20	20	2x2x1	2.1x2.1x1	2.2x2.2x1.2	1.8x1.8x1	2x2x1	2x2x1.2
ASST/25	25	2.2x2.2x1.2	2.4x2.4x1.2	2.5x2.5x1.2	2x2x1.2	2.2x2.2x1.2	2.4x2.4x1.2
<b>TOWERS WITH LADDER AND FALL ARREST</b>							
ASST/15/HD	15	2x2x1	2x2x1.2	2.1x2.1x1.2	1.8x1.8x1	2x2x1	2x2x1.2
ASST/20/HD	20	2.3x2.3x1.2	2.5x2.5x1.2	2.7x2.7x1.2	2.2x2.2x1.2	2.3x2.3x1.2	2.5x2.5x1.2
ASST/25/HD	25	2.7x2.7x1.2	2.8x2.8x1.2	3x3x1.2	2.5x2.5x1.2	2.7x2.7x1.2	2.8x2.8x1.2

Foundations sizes are W x W x D

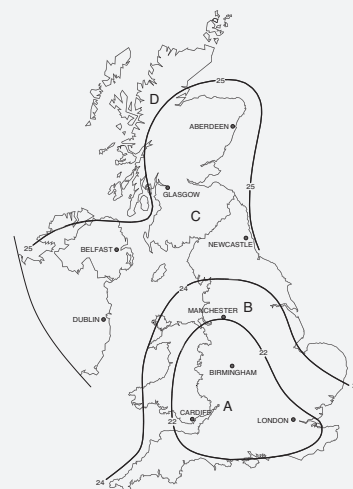
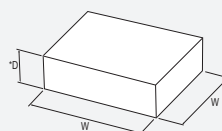
FOR FOUNDATION SIZES:- A MINIMUM SOIL BEARING PRESSURE OF 75kN/m<sup>2</sup> IS ASSUMED

Minimum concrete Grade C35

Allow 72 hours after pouring concrete before installing pole or tower

Please note that foundation sizes shown in the table above are in accordance with recommended headload and windload capacities shown in technical specification tables.

For increased headloads – foundations may need to increase in size – please contact us for revised foundation sizes for specific installations.



- WIND SPEED AREAS 22m/s, 24m/s, 25m/s TAKEN FROM FIG 6 B56399 – BASIC WINDSPEEDS Vb.
- SITE MEAN WINDSPEEDS (V<sub>s</sub>) FOR AREAS A, B & C ARE:-  
A= 24.2m/s(100m ASL) B=26.4m/s(100m ASL) C=28.8m/s(150m ASL)
- ACTUAL WIND VELOCITY FOR THESE WINDSPEEDS (V<sub>a</sub>) ARE:-  
A=41.8m/s(93mph) B=45.6m/s(102mph) C=50m/s(111mph)
- FOR AREA 'D' – PLEASE CONTACT ALTRON FOR FOUNDATION SPECIFICATION