

Tubular Poles Fixed & Tilt Down ←



Fixed Tubular Poles



AWI502 Lamp Standard Poles



AWI859 - Tilt-Down Poles

Tubular Poles Fixed
& Tilt Down

Altron's tubular poles provide a comprehensive and versatile range of mounting solutions, suitable for public area locations.

The range comprises of fixed tubular poles, used typically for general CCTV applications; lamp standard poles that fit in with existing street furniture, but are heavy duty, designed specifically for CCTV camera mounting and can also be used for dual lighting and CCTV applications; tilt down tubular poles suitable for public areas, providing the facility to service camera equipment at ground level and tapered tubular poles, that offer an aesthetic appearance to fit in with architectural themes.

Altron's numerous security design features ensure a good level of protection against vandal attacks.

→ Tubular Fixed Poles

Height range 3m - 12m

A comprehensive range of high specification poles, that cater for light, medium and heavy duty CCTV applications, therefore offering cost effective mounting solutions tailored to the individual installations requirements. A full range of accessories are available to ensure appropriate and high quality installations.

Typically used for the following types of installation

- o Industrial and commercial premises
- o Perimeter detection
- o Schools and universities
- o Railway platforms & car parks
- o Car parks
- o Public area CCTV
- o Retail Parks
- o Sports stadia

Security Features

- o Internal cabling
- o Close fitting flush doors
- o Solid secure heavy duty door locks

General Features

- o Available in 3 duties; light, medium and heavy duty to accommodate all types of camera installations
- o Compartments have doors that are close fitting and flush with heavy duty secure locks and are complete with treated backboard
- o Available in bolt down and embedded/direct burial versions
- o A wide range of standard Altron Accessories and Brackets available
- o Pole adaptations available to suit customers/project specific requirements
- o Constructed in high tensile steel and hot dip galvanised after fabrication for durability
- o Option of painting over the galvanised finish in colours available from BS and RAL colour charts
- o Also available in 316 stainless steel, architectural finish
- o For design, manufacturing and finishing standards, see details on page 107



AW1581/6



AW2207/8



AW1592/6 in stainless steel

Tubular Fixed Poles ← Technical Specification

Tubular Poles

AW2207 Tapered Poles

Options

PT
No.

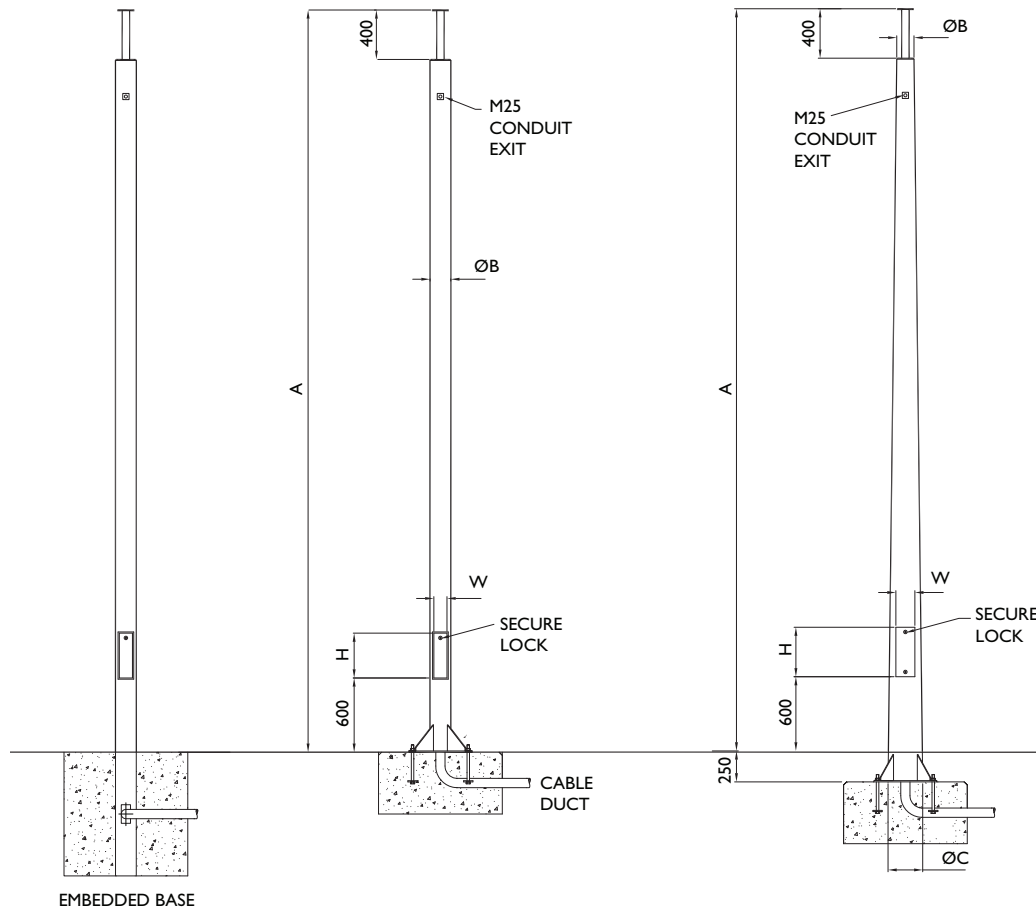
Access cover plate and cable restraining bar	/AC
Decorative banding	/B
High security locks	/HS
Screw in swan neck adaptor	/SN
Tamper switch	/TS
Double Door	/DD
Lighting spigot	/LS

All camera mounting plates are Ø 127 with 8 No Ø 8.5 equi-spaced on 101.6 PCD.
Ø 40 thro' column spacer

Poles complete with treated equipment mounting board inside compartment. Earthing lugs within pole and on door

FOR FOUNDATION AND
BOLTING DETAILS
REFER TO PAGE 29

Tubular Poles Fixed
& Tilt Down



Model No.	Height in mtrs	Max equip weight at pole top kgs	Max equip surface area m ²	Pole ØB	Door aperture size H x W	Pole weight kgs	
TUBULAR FIXED POLES							
Light duty - Typically for fixed camera and small dome installations							
AW1755/3	3	25	0.25	114	312 x 76	52	
AW1755/4	4	25	0.25	114	312 x 76	63	
AW1592/5	5	25	0.25	139	312 x 76	113	
AW1592/6	6	25	0.25	139	312 x 76	131	
AW1507/7	7	25	0.25	168	362 x 106	176	
AW1507/8	8	25	0.25	168	362 x 106	208	
AW1581/9	9	25	0.25	193	362 x 126	265	
AW1581/10	10	25	0.25	193	362 x 126	290	
Medium duty - Typically for light PTZ and larger dome installations							
AW1592/3	3	35	0.4	139	312 x 76	77	
AW1592/4	4	35	0.4	139	312 x 76	95	
AW1507/5	5	35	0.4	168	362 x 106	132	
AW1507/6	6	35	0.4	168	362 x 106	154	
AW1581/7	7	35	0.4	193	362 x 126	215	
AW1581/8	8	35	0.4	193	362 x 126	240	
AW1576/9	9	35	0.4	219	362 x 126	293	
AW1576/10	10	35	0.4	219	362 x 126	376	
Heavy duty - Typically for large fully functional PTZ, offset camera loads where min deflection is required							
AW1507/4	4	50	0.5	168	362 x 106	110	
AW1581/5	5	50	0.5	193	362 x 126	165	
AW1581/6	6	50	0.5	193	362 x 126	190	
AW1576/7	7	50	0.5	219	362 x 126	235	
AW1576/8	8	50	0.5	219	362 x 126	264	
AW1631/9	9	50	0.5	273	462 x 126	418	
AW1631/10	10	50	0.5	273	462 x 126	461	
AW1631/12	12	50	0.5	273	462 x 126	547	
TUBULAR TAPERED FIXED POLES - giving aesthetic appearance, and good rigidity							
Model No.	Height in metres	Max equip weight at pole top kgs	Max equip surface area m ²	Pole Top ØB	Pole Bottom ØC	Door aperture size H x W	Pole weight kgs
AW2207/4	4	35	0.4	114	187	360 x 115	93
AW2207/5	5	35	0.4	114	198	360 x 135	124
AW2207/6	6	35	0.4	140	249	360 x 140	174
AW2207/7	7	35	0.4	140	267	360 x 160	210
AW2207/8	8	35	0.4	140	285	360 x 170	251

Where payloads are greater than those stated above, please contact Altron
All dimensions in mm unless stated otherwise

Accessories

Top mounting brackets for Fixed and PTZ cameras	P76
Swanneck brackets for Dome cameras	P81
Anti-climb guards	P77
Clamp-on camera mounting brackets	P79
Telemetry box mounting brackets	P77
Pole top mounting cages	P83
PIR mounting ring	P84

Quick reference

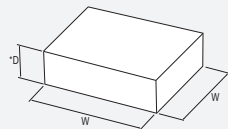
Single fixed camera knuckle	PTS-I
Twin fixed camera bracket	TB2-600F
Half swanneck for dome	AW1699H
Full swanneck for dome	AW1699F
Anti climb guard	SGC
PIR mounting ring	AW1962
Telemetry bracket	ATBC

→ Tubular Poles - Fixed & Tilt-Down Foundations & Bolting Details

MODEL NO.	HEIGHT MTRS	BOLT CENTRES ¹ 2	BURIED DEPTH ³	BASE PLATE SIZE ⁴ 5	SERVICE ENTRY SIZE	HOLDING DOWN BOLT SIZE D x L	FOUNDATION SIZES FOR THE UK							
							COUNTRY LOCATION			TOWN LOCATION				
							AREA A	AREA B	AREA C	AREA A	AREA B	AREA C		
AW1502 - lamp standard														
AW1502/4	4m	350	250	405	200	M16x245	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5		
AW1502/5	5m	450	250	510	250	M20x325	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5		
AW1502/6	6m	450	250	510	250	M20x325	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.5		
AW1502/7	7m	450	250	510	250	M20x325	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6		
AW1502/8	8m	550	250	630	250	M24x425	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65		
AW1502/8HD	8m	550	250	630	250	M24x425	1.4 x 1.4 x 0.7	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.4 x 1.4 x 0.7		
AW1502/10	10m	550	250	630	250	M24x425	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75		
AW1502/10HD	10m	700	250	800	300	M27x600	1.6 x 1.6 x 0.8	1.7 x 1.7 x 0.9	1.8 x 1.8 x 0.9	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8	1.7 x 1.7 x 0.9		
AW1502/12	12m	700	250	800	300	M27x600	1.6 x 1.6 x 0.8	1.7 x 1.7 x 0.9	1.8 x 1.8 x 0.9	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8	1.7 x 1.7 x 0.9		
AW1502/15	15m	700	250	800	300	M27x600	1.9 x 1.9 x 1.0	2.0 x 2.0 x 1.0	2.1 x 2.1 x 1.0	1.8 x 1.8 x 0.9	1.9 x 1.9 x 1.0	2.0 x 2.0 x 1.0		
AW1859 - tubular tilt-down														
AW1859/4	4m	350		405	120	M16x245	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5		
AW1859/5	5m	350		405	120	M16x245	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55		
AW1859/6	6m	350		405	120	M16x245	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6		
AW1859/7	7m	450		510	150	M20x325	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65		
AW1859/8	8m	450		510	150	M20x325	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65		
AW1859/10	10m	550		630	180	M24x425	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.5 x 1.5 x 0.75		
AW1859/12	12m	550		630	180	M24x425	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8	1.7 x 1.7 x 0.9	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8		
AW4460 - tubular tilt-down														
AW4460/4	4m	350		405	120	M16x245	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	0.8 x 0.8 x 0.4	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5		
AW4460/6	6m	350		405	120	M16x245	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55		
AW4460/8	8m	450		510	150	M20x325	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6		
Tubular poles - Light Duty														
AW1755/4	4m	350		405	110	M16x245	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	0.8 x 0.8 x 0.4	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5		
AW1592/5	5m	350		405	110	M16x245	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5		
AW1592/6	6m	350		405	110	M16x245	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55		
AW1507/7	7m	450		510	150	M20x325	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6		
AW1507/8	8m	450		510	150	M20x325	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6		
AW1581/9	9m	550		630	180	M24x425	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65		
AW1581/10	10m	550		630	180	M24x425	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.4 x 1.4 x 0.7		
Medium duty														
AW1592/4	4m	350		405	110	M16x245	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5		
AW1507/5	5m	450		510	150	M20x325	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55		
AW1507/6	5m	450		510	150	M20x325	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6		
AW1581/7	7m	450		510	180	M20x325	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65		
AW1581/8	8m	550		630	180	M24x425	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.4 x 1.4 x 0.7	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65		
AW1576/9	9m	550		630	200	M24x425	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.5 x 1.5 x 0.75	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.4 x 1.4 x 0.7		
AW1576/10	10m	550		630	200	M24x425	1.5 x 1.5 x 0.75	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8		
Heavy duty														
AW1507/4	4m	350		405	150	M16x245	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5		
AW1581/5	5m	450		510	180	M20x325	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.0 x 1.0 x 0.5	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55		
AW1581/6	6m	450		510	180	M20x325	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6		
AW1576/7	7m	450		510	200	M20x325	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65		
AW1576/8	8m	550		630	200	M24x425	1.4 x 1.4 x 0.7	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7		
AW1631/9	9m	550		630	250	M24x425	1.5 x 1.5 x 0.75	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8	1.4 x 1.4 x 0.7	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8		
AW1631/10	10m	550		630	250	M24x425	1.6 x 1.6 x 0.8	1.7 x 1.7 x 0.9	1.8 x 1.8 x 0.9	1.5 x 1.5 x 0.75	1.6 x 1.6 x 0.8	1.7 x 1.7 x 0.9		
AW1631/12	12m	550		630	250	M24x425	1.8 x 1.8 x 0.9	1.8 x 1.8 x 0.9	2.0 x 2.0 x 1.0	1.7 x 1.7 x 0.9	1.8 x 1.8 x 0.9	1.9 x 1.9 x 1.0		
Tapered tubular poles														
AW2207/4	4m	350	250	405	150	M16x245	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5	1.0 x 1.0 x 0.5	0.9 x 0.9 x 0.5	0.9 x 0.9 x 0.5	1.0 x 1.0 x 0.5		
AW2207/6	6m	450	250	510	200	M20x325	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6	1.2 x 1.2 x 0.6	1.1 x 1.1 x 0.55	1.1 x 1.1 x 0.55	1.2 x 1.2 x 0.6		
AW2207/8	8m	450	250	510	200	M20x325	1.3 x 1.3 x 0.65	1.4 x 1.4 x 0.7	1.4 x 1.4 x 0.7	1.2 x 1.2 x 0.6	1.3 x 1.3 x 0.65	1.3 x 1.3 x 0.65		

Table dimensions in mm

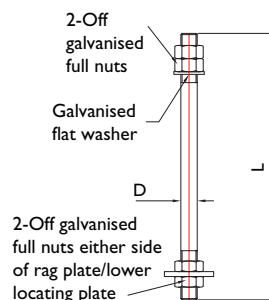
Foundation sizes in table are W x W x D
Dimensions in metres



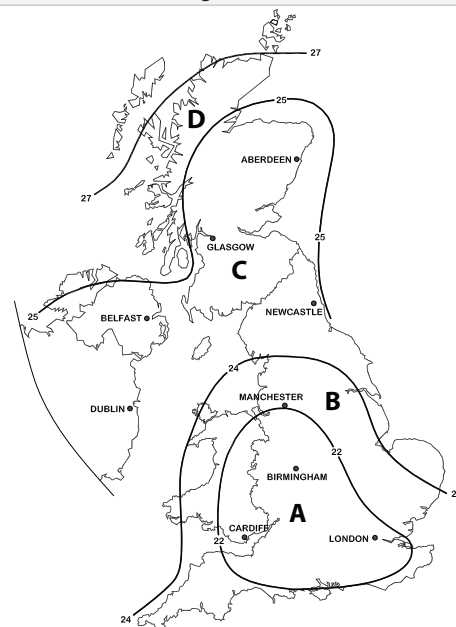
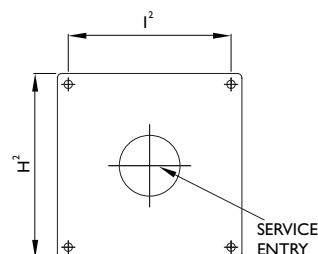
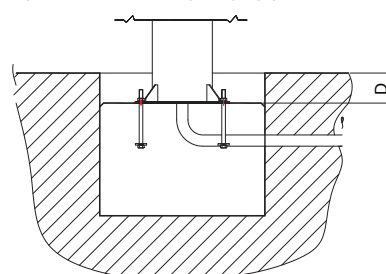
*D= 1000 on PM and buried
flange/embedded base models

REFER TO
INSTALLATION
METHODS ON
PAGES 104 - 106

GALVANISED HOLDING DOWN BOLTS



BURIED DEPTH BELOW GROUND LEVEL



- For area D locations and exposed locations over 100m above sea level for areas A, B and 150m above sea level for area C, we recommend increased foundation sizes. Please refer to the table on page 101 for conformation of these.
- A minimum soil bearing capacity of 75 kN/m² is assumed.
- Foundation base dimensions are typical and may vary depending on site conditions.
- Please refer to the foundations & windloading section on pages 101-103 for further guidance.