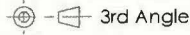


Technical Information



Design

Standard: BSEN40 & CD354

Loading: See Data Sheet

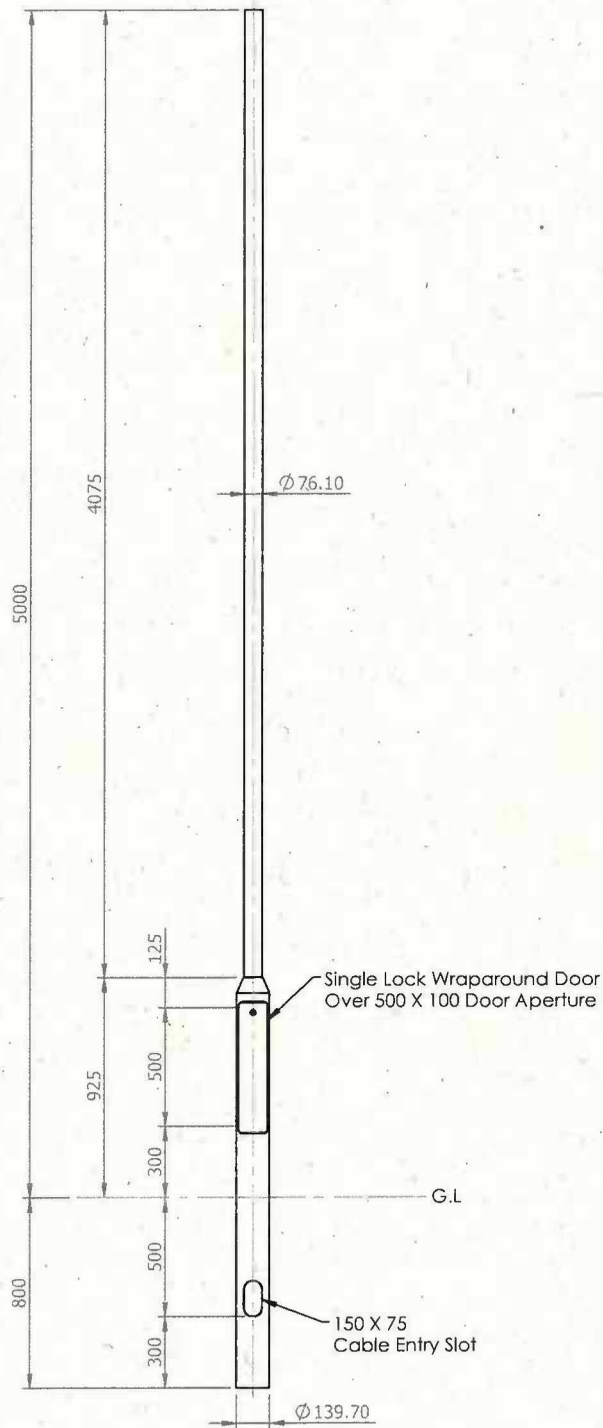
Finish

Galvanised to BSEN 1461:2009
& Painted in conjunction with Tender Specification

Welding

In accordance with BSEN1011
Procedures to BSEN ISO 15614-1:2017
Welders qualified to BSEN ISO 9606-1:2017

Data Sheet Reference: 7379-001-A



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fabrikat

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Sutton in Ashfield Notts. NG17 5LN

www.fabrikat.co.uk
technical@fabrikat.co.uk

Notes

All dimensions in millimetres unless stated otherwise.

When Multiple views are shown 3rd Angle Projection is assumed.

Revisions		
Rev.	Description	Date

Title

5M Post Top Column

Drg No. 46817-0

Scale: 1:30

Sheet 1 of 1

Drawn By: EH

Chk'd: MB

Ref. 5M01A

Contract: Lancashire C.C. 2022-2026

Customer:

Date: 05/05/2022

COLUMN AND BRACKET DATA - SHEET 1

(APPENDIX 13/2 SPECIFICATION FOR HIGHWAYS)

Column Reference No.	50014
Revision No.	A
Date	5/06/2022

Fabrikat (Nottingham) Limited

Hemilton Road

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Nottingham NG17 5LN

England

Telephone: Mansfield (01623) 442500

Fax: Mansfield (01623) 442293

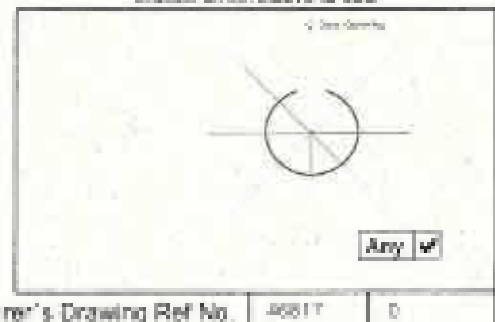
Email: technical.sales@fabrikat.co.uk

Name of Contract	LANGSHIRE COUNTY COUNCIL 2022-2028
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Part A General

Column nominal height	5.000M		
Column Material	STEEL BSEN10025		
Material design strength	5355		
No. of Door openings	1		
Door opening size-Height	500 mm		
Door opening size-Width	100 mm		
Cross-section of base compartment	Height (mm)	Width (mm)	Depth (mm)
	550	114	60

Acceptable positions of bracket arms relative to door



Manufacturer's Drawing Ref No. 46817 0

(1100) Corrosion protection (steel columns only) - basic system type

See Clauses 1911.9 and 1911.10)

 Reference Wind Velocity V_{ref} (as defined in BS EN 40.3-1:2011)

Reference Maximum Altitude

Details of signs and/or attachments allowed for in the design: Mounting height (m), Eccentricity

 (mm), Area (m²), Shape Coefficient, Weight (kg)

GALVANNEFD & GLASS FLAKE COAT

24.00 M/sec (10 min. mean)

250.00 M

 $2.500M \times 0.000m \times 0.00M^2 \times 1.0 = 15.0kg$ (Class B)

- additional sacrificial steel thickness, above that needed in design, from the bottom of the column to be at least 250mm above the anticipated ground level

N/A

Part B Foundation Data

Pinned Base

Pining Dept

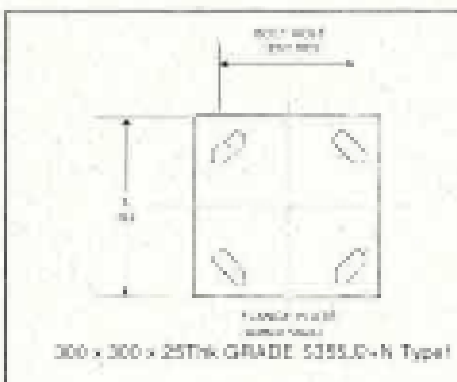
2.600 M

Standard Soil Type Factor (G)

830 380 230

Diameter of concrete surround (if any)

210 342 580


(1103) Flange Plate

Bolt Hole Centres (mm)	Hole diameter/Slot dimensions (mm)	Design load/bolt (includes 1.2 Overload factor %)
200	Ø24 x 50	7800kN
Bolt Details		
M20 Grade A4-90 S/S		
Design shear force and moment at ground level		1.66kN / 4.528 kNm
Ultimate shear force and moment at ground level		35.67kN / 17.935 kNm
Line of max. moment relating to door opening		85 Deg

Part C Acceptable Luminaires

Post Top Column

Luminaire lever arm = 291 mm

Luminaire Connection		LUMINAIRE: MAXIMUM CHARACTERISTICS				
		Terrain Categories as defined in BS EN 40-3-1:2013				
Diameter	Length	0	I	II	III	IV
76	100	8.0			0.15	

Single Arm Bracket Column

Luminaire Lever Arm (mm)	
Due to wt. Of Luminaire	Due to windage on Luminaire

Bracket Projection (m)	Ref No.	Drawing No.	Material		Luminaire Fixing Angle	Luminaire Connection		Luminaire Maximum Wt (kg)	(11/03) Maximum Windage Area (m ²) for Terrain Categories as defined in BS EN 40-3-1:2013					
			Grade	Design Strength (N/mm ²)		Diameter (mm)	Length (mm)		0	I	II	III	IV	

Twin Arm Bracket Column

Luminaire Lever Arm (mm)	
Due to wt. Of Luminaire	Due to windage on Luminaire

Bracket Projection (m)	Ref No.	Drawing No.	Material		Luminaire Fixing Angle	Luminaire Connection		Luminaire Maximum Wt (kg)	(11/03) Maximum Windage Area (m ²) for Terrain Categories as defined in BS EN 40-3-1:2013					
			Grade	Design Strength (N/mm ²)		Diameter (mm)	Length (mm)		0	I	II	III	IV	

Part D Certification

It is certified that the information given in this Data Sheet has been obtained in accordance with the Departmental Standard CD 354 and the specification.

Signed on behalf of the Contractor



Date 05/05/2022