



The Post and Column Co Ltd
Road 4
Winsford Industrial Estate
Winsford
Cheshire CW7 3RS
TEL: 01606 550 502
Fax: 01606

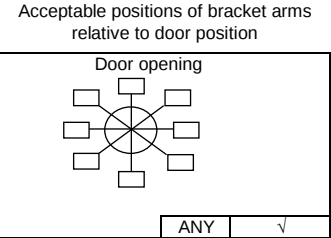
SPECIFICATION	EN 40
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COLUMN REFERENCE No	1014
REVISION No	N/A
DATE	N/A

NAME OF CONTRACT: 10.0m STANDARD COLUMN NO SIGN

PART A General

Column nominal height	10.0	(m)	
Column material	CIRCULAR SECTION		
Material design strength	275	(N/mm ²)	
No of door openings	1		
Door opening size - height	600	(mm)	
- width	115	(mm)	
Cross-section of base compartment	height (mm)	width (mm)	depth (mm)
	1250	168	168



Post and Column drawing ref. PC1014/1

Corrosion protection (steel columns only) - basic system type (NG 1901) GALVANISE BSEN ISO 1461

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

PART B Foundation data

Planted base	Planted depth	1.5	m
	Standard Soil Type Factor G		
	630	390	230
Diameter of concrete surround (if any)	NONE	NONE	216 m

Bolt hole crs. (mm)	Hole diameter (mm)	Design load/bolt (kN)

Relevant forces and moments at ground level	ULTIMATE LOADS		
	BM (kNm)	Shear (kN)	Axial (kN)
	11.51	1.81	1.78

Line of max. moment relating to door opening

NOTE: For flange plates with slotted holes a diagram shall be included with this data sheet

PART C Acceptable Lanterns

Post Top Column

TERRAIN CATEGORY 2

Lantern Connection		LANTERN: MAXIMUM CHARACTERISTICS					
		PD6547 Rationalised Wind Factors					
Diameter	Length	350	396	429	466	576	
76mm	100	75.0	0.42	0.35	0.31	0.28	0.21

Single Arm Bracket Column

Lantern Deflection (mm)	
Vertical	Horizontal
47.5	410

Bracket projection (m)	Ref No	Drawing No	Material		Lantern Connection		Fixing Angle	Max Wt (kg)	Maximum Windage (m ²) for standard rwf factors					
			Grade	N/mm ²	Diameter	Length			0.48	0.41	0.36	0.33	0.25	
0.25		PC2324/1	S275	S275	42.4	100	5°	14	0.48	0.41	0.36	0.33	0.25	
0.50		PC2324/1	S275	S275	42.4	100	5°	14	0.45	0.38	0.34	0.30	0.23	
0.75		PC2324/1	S275	S275	42.4	100	5°	14	0.42	0.35	0.31	0.28	0.21	
1.00		PC2324/1	S275	S275	42.4	100	5°	14	0.40	0.33	0.29	0.26	0.19	
1.25		PC2324/1	S275	S275	42.4	100	5°	14	0.37	0.30	0.27	0.23	0.17	
1.50		PC2324/1	S275	S275	42.4	100	5°	14	0.33	0.28	0.25	0.21	0.15	
1.75		PC2324/1	S275	S275	42.4	100	5°	14	0.30	0.25	0.22	0.19	0.13	
2.00		PC2324/1	S275	S275	42.4	100	5°	14	0.27	0.22	0.19	0.17	0.11	

Double Arm Bracket Column

Lantern Deflection (mm)	
Vertical	Horizontal
47.5	367

Bracket projection (m)	Ref No	Drawing No	Material		Lantern Connection		Fixing Angle	Max Wt (kg)	Maximum Windage (m ²) for standard rwf factors					
			Grade	N/mm ²	Diameter	Length			0.24	0.20	0.18	0.16	0.12	
0.25			S275	S275	42.4	100	5°	14	0.24	0.20	0.18	0.16	0.12	
0.50			S275	S275	42.4	100	5°	14	0.23	0.19	0.16	0.14	0.10	
0.75			S275	S275	42.4	100	5°	14	0.21	0.17	0.15	0.13	0.09	
1.00			S275	S275	42.4	100	5°	14	0.20	0.16	0.14	0.12	0.08	
1.25			S275	S275	42.4	100	5°	14	0.18	0.14	0.12	0.10	0.06	
1.50			S275	S275	42.4	100	5°	14	0.17	0.13	0.11	0.09	0.05	
1.75			S275	S275	42.4	100	5°	14	0.15	0.11	0.09	0.07	0.04	
2.00			S275	S275	42.4	100	5°	14	0.14	0.10	0.08	0.06	0.02	

PART D CERTIFICATION

It is certified that the information given in the data sheet has been obtained in accordance with the requirements of EN40 as implemented by Departmental Standard BD 94/07 and the Specification.

Signed on Behalf of the ContractorO.Newman..... Date...21/12/2010.....