



DESIGN STANDARDS	BS EN 40.3.1, BS EN 40.3.3, PD6547-2009
DESIGN LIFE	50 YEARS
10 MIN MEAN WIND VELOCITY	22M/S
TERRAIN CATEGORY (INLAND)	II - 8M, 10M, 12M
MAX ALTITUDE (INLAND)	132M
TERRAIN CATEGORY (COSTAL)	I - 8M, 10M, 12M
MAX ALTITUDE (COSTAL)	100M

NOTES (Cont.):

10. EARTHING TERMINAL TO BE 8MM DIAMETER BRASS TERMINAL WITH BRASS WASHERS & NUTS.
11. COLUMNS TO HAVE 76MMØ POST-TOP SPIGOT.
12. FOR COLUMN FOUNDATION SCHEMATIC SEE HCC10/L/025 & 026.
13. COLUMN PAINTING TO BE FACTORY-FINISHED; COLOUR TO BE "LOVAT" GREEN - BS 4800 12 B 21 - UNLESS OTHERWISE SPECIFIED (IN SOME AREAS THE USE OF "BLACK" BS 4800 00 E53 COLUMNS MAY BE SPECIFIED BY HCC) - COLUMNS AND LANTERNS TO BE COLOUR-MATCHED.
14. EXTRANEIOUS ATTACHMENTS (IF AGREED) TO BE FIXED WITH CIRCUMFERENTIAL CLAMPS OF STAINLESS STEEL AISA GRADE 201 WITH NEOPRENE GASKET UNDER THE CLAMPS TO PREVENT DAMAGE TO THE COLUMN AND ITS PROTECTIVE COATING.
15. COLUMNS IN EXCEPTIONAL LOCATIONS (ON EMBANKMENTS, COASTAL LOCATIONS, ETC); COLUMNS WITH BRACKETS; COLUMNS WITH MULTIPLE LUMINAIRES OR BRACKETS. THESE MAY REQUIRE SPECIAL COLUMN DESIGN.
16. WHERE ACCESS VJA MEWP IS NOT GUARANTEED COLUMNS SHOULD BE MID-HINGED, SEE HCC10/L/030 FOR DETAILS.
17. REQUIREMENTS FOR PASSIVELY SAFE COLUMNS ARE DETAILED IN BS EN 12767:2007.
18. COLUMN DATA SHEETS AND DETAIL DRAWINGS TO BE SUBMITTED FOR APPROVAL ON ALL SCHEMES.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. FOR DETAILS OF COLUMN LOCATIONS SEE STREET LIGHTING LAYOUT DRAWINGS.
3. COLUMNS SHALL COMPLY WITH BS EN40, PD 6547:2009 AND DEPARTMENTAL STANDARD BD 94/17 IN ADDITION TO THE HCC COLUMN SPECIFICATION; DESIGNERS TO VERIFY THAT COLUMN PROPOSED IS SUITABLE FOR ANY PROPOSED ATTACHMENTS; DATA SHEETS TO BE PROVIDED.
4. DURING INSTALLATION OF COLUMNS CARE IS TO BE TAKEN TO ENSURE THAT THE CORROSION PROTECTION SYSTEM OF THE LIGHTING COLUMN IS NOT DAMAGED; ALL BACKFILLING MATERIAL SHALL BE PLACED IN 150MM THICK LAYERS AND BE WELL-COMPACTED.
5. ANY DAMAGE TO THE EQUIPMENT DURING INSTALLATION (OR BEFORE ACCRUAL ONTO HCC'S INVENTORY) MUST BE REPAIRED TO A SATISFACTORY STANDARD IN ACCORDANCE WITH THE GUIDELINES GIVEN BY THE MANUFACTURER OF THE SPECIFIC EQUIPMENT.
6. ALL DUCTING AND CABLING SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF NJUG IN CONJUNCTION WITH CURRENT HAUC (UK) GUIDANCE.
7. GROUND-LEVEL / PLANTING DEPTH MARKER TAPE TO REMAIN AFFIXED TO THE COLUMN AFTER INSTALLATION TO DEMONSTRATE THE CORRECT PLANTING DEPTH HAS BEEN ACHIEVED.
8. DOOR LOCK TO BE M8 BOLT WITH ANTI-VANDAL HEXAGONAL HEAD WITH INTEGRAL CENTRE-PIN.
9. COLUMN BASE-BOARDS AT LEAST EQUIVALENT TO THE DOOR SIZE AND MADE OF TREATED HARDWOOD OF SUFFICIENT SIZE TO ACCOMMODATE ALL CONTROL EQUIPMENT AND SERVICE CUT-OUTS; BOARDS SHALL BE POSITIVELY SECURED TO THE COLUMN BY TWO FLUSH FITTING SCREWS.

STANDARD DIMENSIONS AND MINIMUM PERFORMANCE CRITERIA				
DIMENSION	NOMINAL HEIGHT	8000	10000	12000
	PLANTING DEPTH	1200	1500	1700
	BASE DIAMETER	139.7	168.3	168.3
	SHAFT DIAMETER	88.9	101.6	114.3
	"POST-TOP" SPIGOT	76Ø X 100	76Ø X 100	76Ø X 100
PERFORMANCE CRITERIA	HEIGHT OF DOOR ABOVE GROUND *	400	500	500
	SIZE OF DOOR APERTURE	600 X 115	600 X 115	600 X 115
	LANTERN WEIGHT	11.5KG	21.0KG	21.0KG
	LANTERN WINDAGE	0.145M ²	0.22M ²	0.27M ²
	LANTERN TILT	5°	5°	5°
	SIGN HEIGHT ABOVE GROUND	2.5M	2.5M	2.5M
	SIGN ECCENTRICITY	0.4M	0.4M	0.4M
	SIGN AREA	0.6M ²	1.0M ²	1.0M ²
	SIGN WEIGHT	5.0KG	5.0KG	5.0KG
	SIGN DRAG COEFFICIENT	1.8	1.8	1.8

*MAY VARY - SEE MANUFACTURER DETAIL AND DATA SHEET

PROTECTIVE SYSTEM AND PAINT SPECIFICATION FOR TUBULAR STEEL COLUMNS (HOT-DIP GALVANISED BS EN 1461)

PRE-TREATED GALVANISED INTERNAL SURFACE OF ROOT TO 250 ABOVE GROUND LEVEL AND THE WHOLE OF THE EXTERNAL SURFACE "T" WASH REF: 150-23 APPLICATION TO BE SHOP APPLIED FULLY IN ACCORDANCE WITH TECHNICAL DATA SHEET

APPLY ONE-COAT OF COMPLIANT TWO-PACK EXTENDED CURE EPOXY MICACEOUS IRON OXIDE DTP ITEM 121 TO INTERNAL SURFACE OF ROOT TO 250MM ABOVE GROUND LEVEL MINIMUM 100 DFT COLOUR GREY (SHOP APPLIED)

APPLY ONE-COAT OF COMPLIANT TWO-PACK EXTENDED CURE EPOXY MICACEOUS IRON OXIDE TO EXTERNAL ROOT TO 250MM ABOVE GROUND LEVEL MINIMUM 100 COLOUR GREY (SHOP APPLIED)

APPLY ONE COAT OF TWO PACK POLYSILOXANE MINIMUM DFT 75 - COLOUR AS SPECIFIED (SEE NOTE 13)

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A	GENERAL UPDATE AND TITLE AMENDED	JUNE 18	JA	PS	J
REV	AMENDMENTS	DATE	CAD	CHKD	APPD

CONSULTANT

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SCHEME

STANDARD DETAILS

DRAWING TITLE

8M, 10M & 12M "POST TOP" TUBULAR STEEL PLANTED COLUMNS

HCC CADplot: 22.Aug.2018 at 11:39am					
DRAWN	CHECKED	SCALE @ A3			
WW	IH, IH	N.T.S			
CAD	APPROVED	DATE			
WW	CP, CP	July 2015			
DRG No.	HCC10/L/015			REVISION	A

HCC CADfile: K:\Eng\Standard\AutoCAD\Standard Details (Secure) As Updated Dec 2011\HCC10 2015 STANDARD DETAILS\Standard Detail Changes\L Series\L-015 Rev A.dwg