



**NOTES (CONT.):**

11. COLUMNS TO HAVE 76MMØ POST-TOP SPIGOT.
12. FOR COLUMN FOUNDATION SCHEMATIC SEE HCC11/L/035 & 040.
13. COLUMN PAINTING TO BE FACTORY-FINISHED; COLOUR TO BE "MINERAL GREEN / MORELAND" TO 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 SHOULD NOT BE FITTED TO RAISE OR LOWER COLUMNS.
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. 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 THAT 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.
10. EARTHING TERMINAL TO BE 8MM DIAMETER BRASS TERMINAL WITH BRASS WASHERS & NUTS.

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)	III - 5m, 6m
MAX ALTITUDE (INLAND)	132m
TERRAIN CATEGORY (COASTAL)	II
MAX ALTITUDE (COASTAL)	100m

STANDARD DIMENSIONS AND MINIMUM PERFORMANCE CRITERIA				
DIMENSION	5000		6000	
	NOMINAL HEIGHT	5000	6000	5000
PLANTING DEPTH	800	1000	800	1000
BASE DIAMETER	139.7	139.7	139.7	139.7
SHAFT DIAMETER	76.1	76.1	76.1	76.1
"POST-TOP" SPIGOT	(AS SHAFT)	(AS SHAFT)	(AS SHAFT)	(AS SHAFT)
HEIGHT OF DOOR ABOVE GROUND *	400	400	400	400
SIZE OF DOOR APERTURE	500 x 100	500 x 100	500 x 100	500 x 100
LANTERN WEIGHT / WINDAGE	7.0kg/0.12m <sup>2</sup>	9.2kg/0.15m <sup>2</sup>	7.0kg/0.12m <sup>2</sup>	9.2kg/0.15m <sup>2</sup>
LANTERN WEIGHT / WINDAGE	9.5KG/0.055m <sup>2</sup>	9.5KG/0.055m <sup>2</sup>	9.5KG/0.055m <sup>2</sup>	9.5KG/0.055m <sup>2</sup>
LANTERN TILT	5°	5°	5°	5°
SIGN HEIGHT ABOVE GROUND	2.5m	2.5m	2.5m	2.5m
SIGN ECCENTRICITY	0.3m	0.3m	0.3m	0.3m
SIGN AREA **	0.3m <sup>2</sup>	0.3m <sup>2</sup>	0.3m <sup>2</sup>	0.3m <sup>2</sup>
SIGN WEIGHT	5.0kg	5.0kg	5.0kg	5.0kg
SIGN DRAG COEFFICIENT	1.8	1.8	1.8	1.8
* MAY VARY - SEE MANUFACTURER DETAIL AND DATA SHEET				
** SIGNS NOT TO BE FITTED TO HINGED COLUMNS (PFI REQUIRES RESIDUAL CAPACITY FOR 0.3m <sup>2</sup> SIGN)				

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 250 ABOVE GROUND LEVEL MINIMUM 100 DFT µm COLOUR GREY (SHOP APPLIED)  
 APPLY ONE-COAT OF COMPLIANT TWO-PACK EXTENDED CURE EPOXY MICACEOUS IRON OXIDE TO EXTERNAL ROOT TO 250 ABOVE GROUND LEVEL MINIMUM DFT 100 µm COLOUR GREY (SHOP APPLIED)  
 APPLY ONE COAT OF TWO PACK POLYSILOXANE MINIMUM DFT 75 µm - COLOUR AS SPECIFIED (SEE NOTE 13)

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REV	AMENDMENTS	DATE	CAD	CHKD	APPD
CONSULTANT					
 STUART JARVIS BSc DipTP FCIHT MRTPI: DIRECTOR OF ECONOMY, TRANSPORT & ENVIRONMENT					
SCHEME					
<b>STANDARD DETAILS</b>					
DRAWING TITLE					
<b>5m &amp; 6m "POST TOP" TUBULAR STEEL PLANTED COLUMNS RAISE AND LOWER MID-HINGED</b>					
HCC CADplot: 09.Mar.2020 at 9:55pm					
DRAWN	MT	CHECKED	IH, IH	SCALE @ A3	N.T.S
CAD	RB	APPROVED	JH, JH	DATE	March 2020
DRG No.	HCC11/L/020				REVISION

Use CAD: K:\Engl Standard AutoCAD Standard Detail (Scheme) Ac Handed Dec 2014\HCC11 2020 STANDARD DETAILS (Scheme) 020.dwg