



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 (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 VIA MEWP IS NOT GUARANTEED COLUMNS SHOULD BE MID-HINGED, SEE HCC10/L/020 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 EN 40, 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.

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| 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 - 5m, 6m |
| MAX ALTITUDE (COASTAL) | 100m |

| STANDARD DIMENSIONS AND MINIMUM PERFORMANCE CRITERIA | | | |
|--|------------------------------|--------------------|--------------------|
| DIMENSION | NOMINAL HEIGHT | 5000 | 6000 |
| | PLANTING DEPTH | 800 | 1000 |
| | BASE DIAMETER | 139.7 | 139.7 |
| | SHAFT DIAMETER | 76.1 | 76.1 |
| | HEIGHT OF DOOR ABOVE GROUND* | 400 | 400 |
| | SIZE OF DOOR APERTURE | 500 x 100 | 500 x 100 |
| PERFORMANCE CRITERIA | LANTERN WEIGHT | 10.0kg | 10.0kg |
| | LANTERN WINDAGE | 0.13m ² | 0.13m ² |
| | LANTERN TILT | 5° | 5° |
| | SIGN HEIGHT ABOVE GROUND | 2.5m | 2.5m |
| | SIGN ECCENTRICITY | 0.4m | 0.4m |
| | SIGN AREA | 0.6m ² | 0.6m ² |
| | SIGN WEIGHT | 5.0kg | 5.0kg |
| SIGN DRAG COEFFICIENT | 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 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 |
|-----|------------|------|-----|------|------|
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CONSULTANT

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SCHEME

STANDARD DETAILS

DRAWING TITLE

**5m & 6m "POST TOP"
TUBULAR STEEL PLANTED COLUMNS**

| | | |
|------------------------------------|----------|------------|
| HCC CADplot: 09.Mar.2020 at 9:56pm | | SCALE @ A3 |
| DRAWN | CHECKED | SCALE @ A3 |
| WW | IH, IH | N.T.S |
| CAD | APPROVED | DATE |
| WW | JH, JH | March 2020 |
| DRG No. | REVISION | |
| HCC11/L/015 | | |

Use only for standard AutoCAD Standard Details (Scheme) As Issued Dec 2014\HCC11 2009 STANDARD DETAILS\1.015.dwg