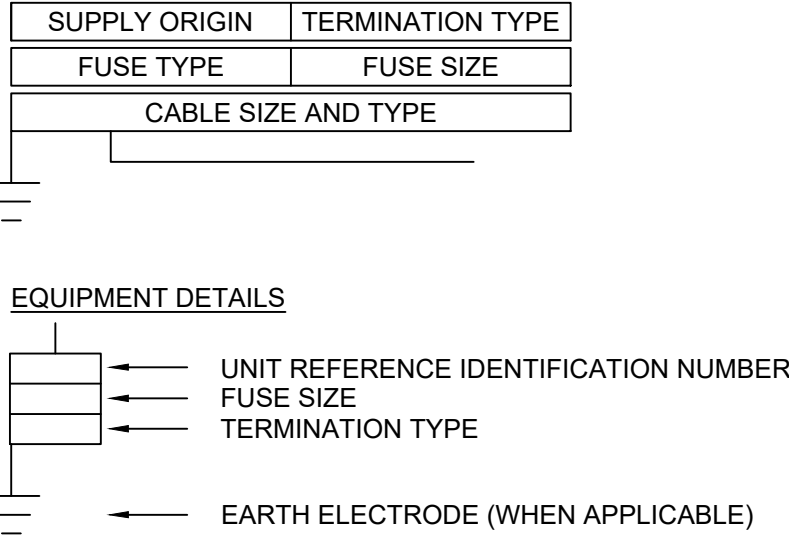
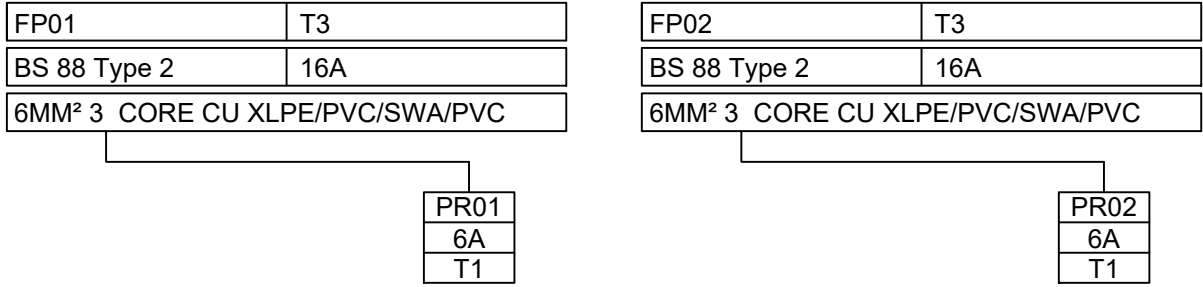


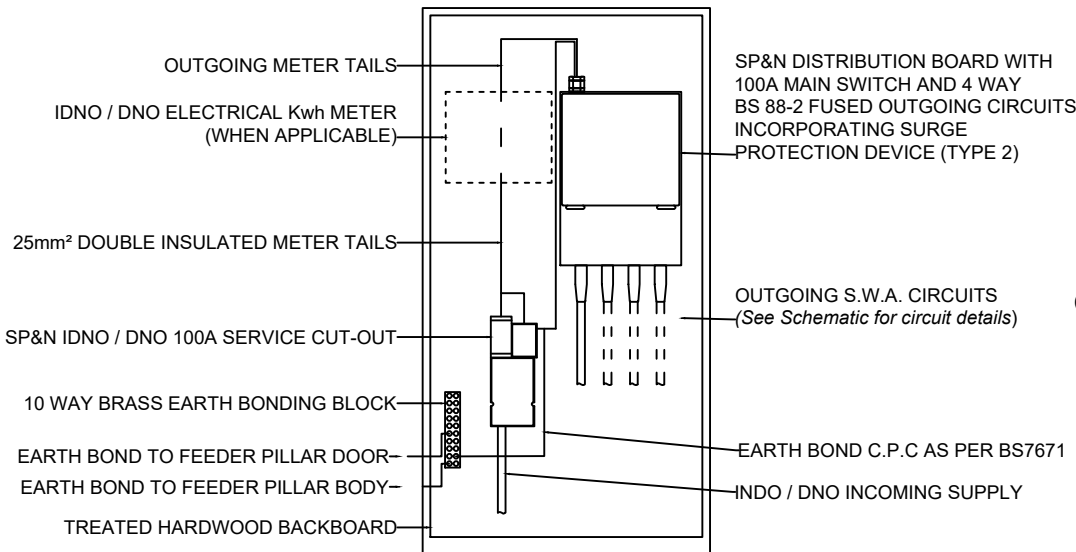
ELECTRICAL SCHEMATIC KEY



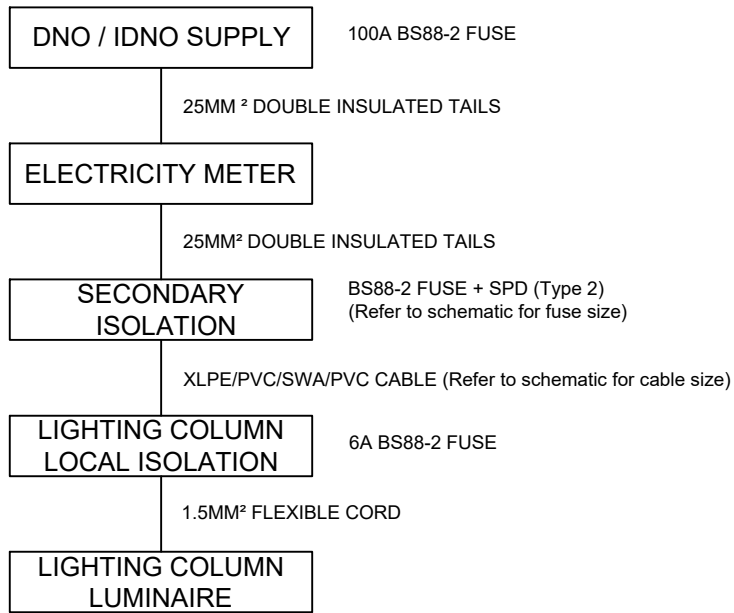
ELECTRICAL SCHEMATIC DETAIL



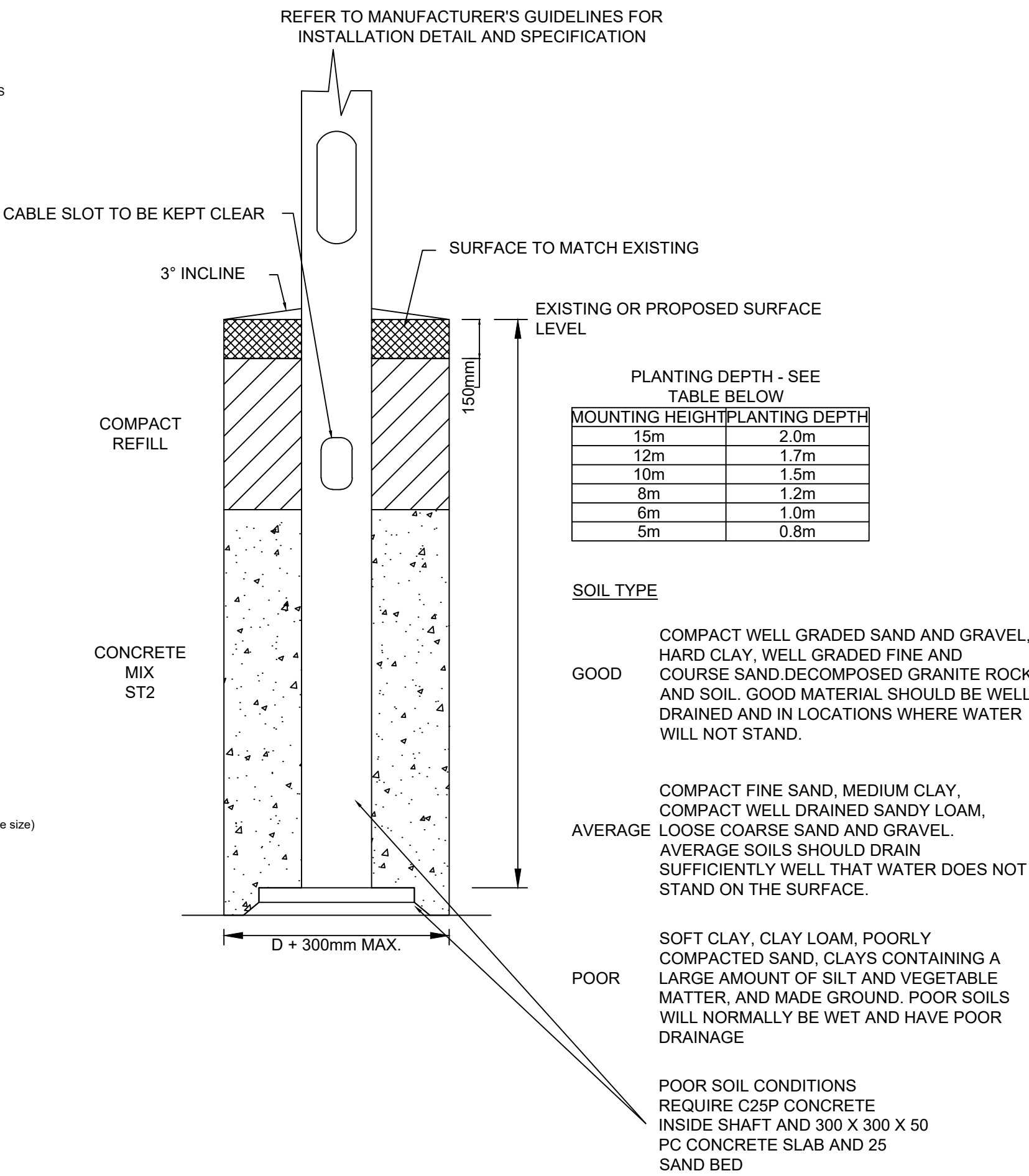
METERED FEEDER PILLAR DETAIL



METERED FEEDER PILLAR - SCHEMATIC

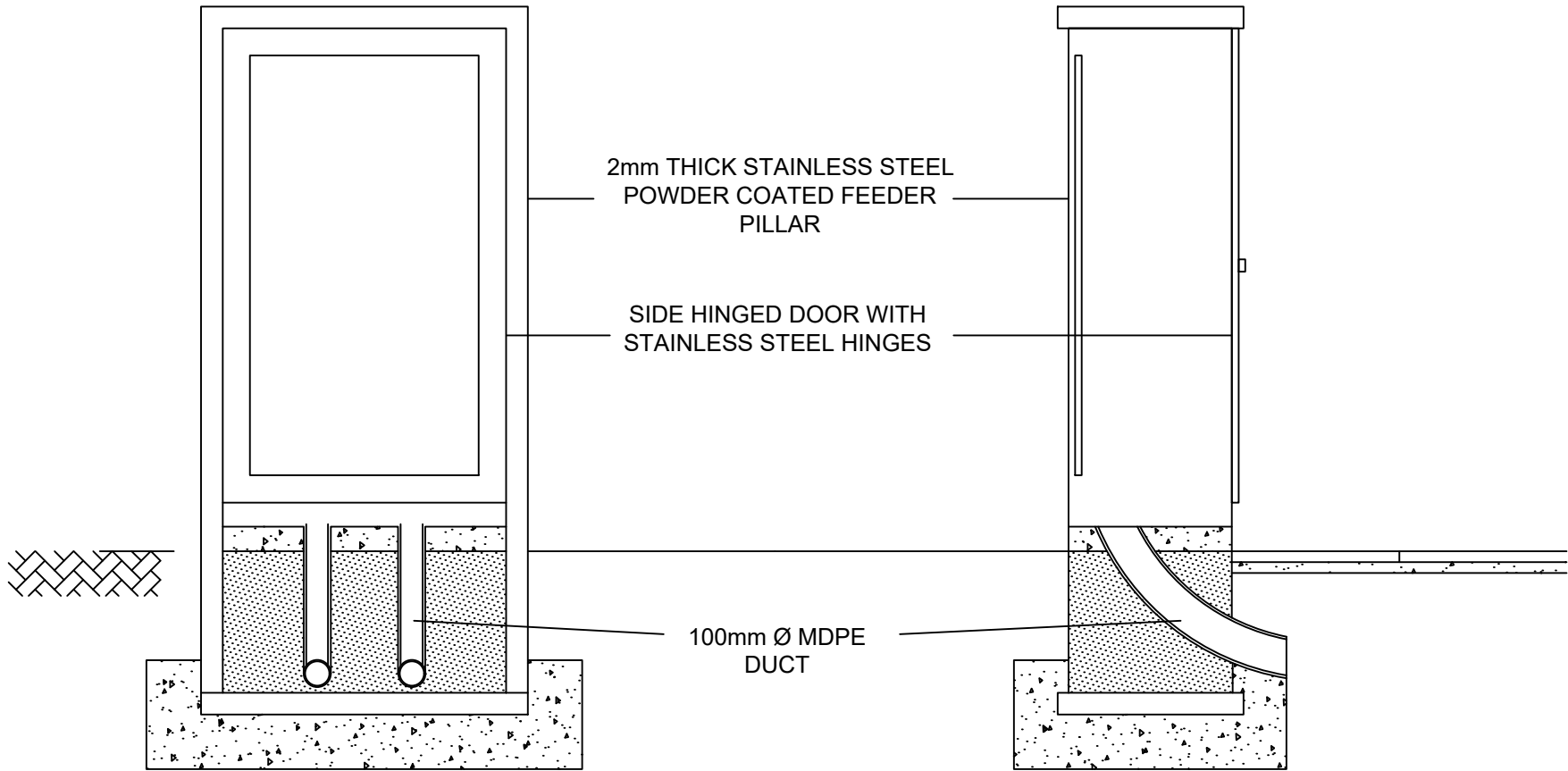


TYPICAL COLUMN PLANTING FOUNDATION DETAIL



TYPICAL STREET LIGHTING FEEDER PILLAR

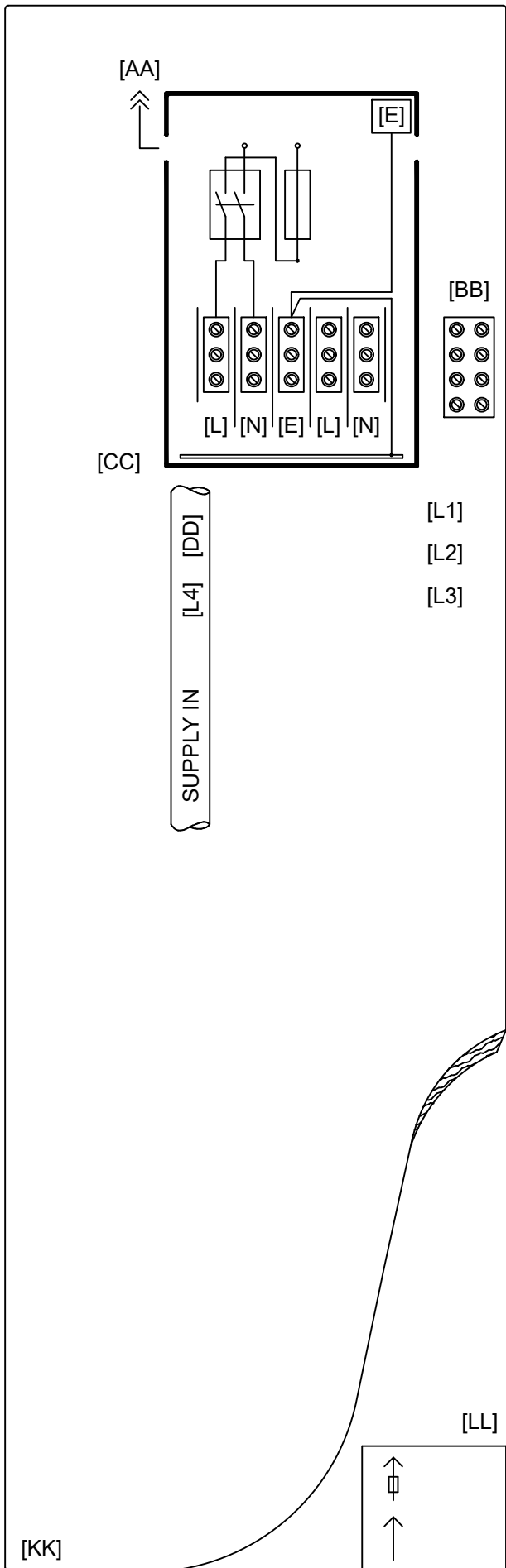
REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION DETAIL AND SPECIFICATION



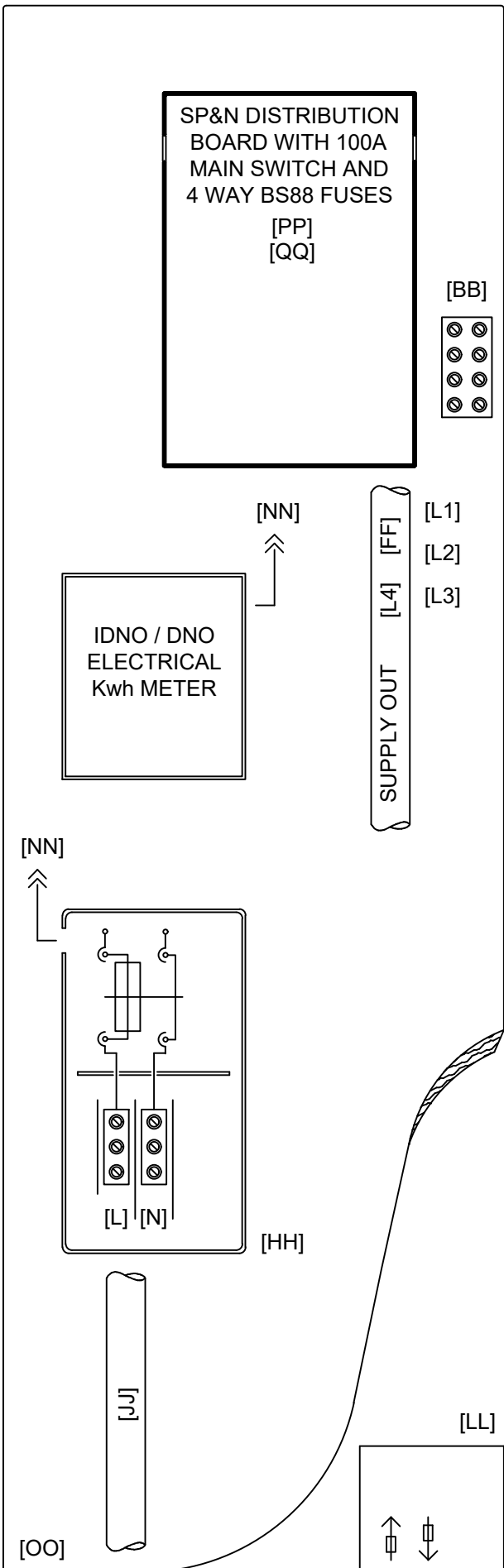
TERMINATION KEY

ITEM	DESCRIPTION
[AA]	CABLE TO LIGHTING UNIT.
[BB]	BRASS EARTH BLOCK WITH INDIVIDUAL PVC 6491X GREEN/YELLOW EARTH CABLES BONDED TO THE FOLLOWING COMPONENTS: > CUT-OUT GLAND PLATE > BASE COMPARTMENT DOOR; > BASE COMPARTMENT MAIN EARTH STUD; > DISTRIBUTION NETWORK OPERATOR CUT-OUT. (ALL EARTH CABLES SHALL BE SIZED IN ACCORDANCE WITH BS7671:2008)
[CC]	CUT-OUT INCORPORATING THE FOLLOWING COMPONENTS: > DOUBLE POLE ISOLATION SWITCH; > OUTGOING WAYS FUSED USING BS88 FUSE LINKS. > EXTENSION BOX WITH TERMINAL BLOCK; > 3mm BRASS GLAND PLATE WITH 3No. INCOMING/OUTGOING WAYS. > BRASS CABLE GLANDS COMPLYING WITH BS6121, TYPE CW. NATURAL RUBBER CABLE GROMMETS.
[DD]	INCOMING PRIVATE SUPPLY CABLE.
[EE]	OUTGOING PRIVATE SUPPLY CABLE.
[FF]	OUTGOING PRIVATE SUPPLY CABLE FUSED.
[GG]	6mm ² PVC/PVC 6181Y SINGLES.
[HH]	(INDEPENDENT) DISTRIBUTION NETWORK OPERATOR CUT-OUT.
[JJ]	(INDEPENDENT) DISTRIBUTION NETWORK OPERATOR SUPPLY CABLE.
[KK]	BASE COMPARTMENT BACKBOARD.
[LL]	SCHEMATIC REPRESENTATION OF TERMINATION ARRANGEMENT.
[NN]	25mm ² PVC/PVC 6181Y SINGLES.
[OO]	MINI PILLAR BACKBOARD.
[PP]	4 WAY SP&N DISTRIBUTION BOARD INCORPORATING THE FOLLOWING COMPONENTS: > METAL CLAD CASE. > DOUBLE POLE ISOLATION SWITCH. > BS88 FUSE LINKS. > BRASS CABLE GLAND COMPLYING WITH BS6121 TYPE CW REQUIRED FOR EACH OUTGOING WAY. > NATURAL RUBBER GROMMET FOR INCOMING CABLES [GG & NN].
[QQ]	SURGE PROTECTION DEVICE (TYPE 2)
[L1]	EARTH BLOCK LABEL "SAFETY ELECTRICAL CONNECTION - DO NOT REMOVE"
[L2]	PME WARNING LABEL "WARNING PME SERVICE POINT"
[L3]	PME WARNING LABEL "PRIVATE CABLE NETWORK LOOPED VIA PME SERVICE POINT"
[L4]	SOURCE/DESTINATION IDENTIFICATION MARKER
Notes	
1	REF. [DD], [EE] & [FF] - CABLE SHALL BE CLEATED TO THE BASE COMPARTMENT BACKBOARD APPROX. 200mm BELOW CUT-OUT.
2	REF. [DD], [EE] & [FF] - CABLE TYPE AS DEFINED ON EACH TERMINATION DRAWING.
3	REF. [AA] - A DRIP LOOP SHALL BE FORMED IN THE CABLE USING A BLACK TIE WRAP.
4	LABELS [L2],[L3] SHALL BE INSTALLED WHERE APPLICABLE TO THE ELECTRICAL INSTALLATION.
5	LABEL [L1] SHALL BE INSTALLED ADJACENT TO THE EARTH BLOCK [BB]

TERMINATION TYPE: 1

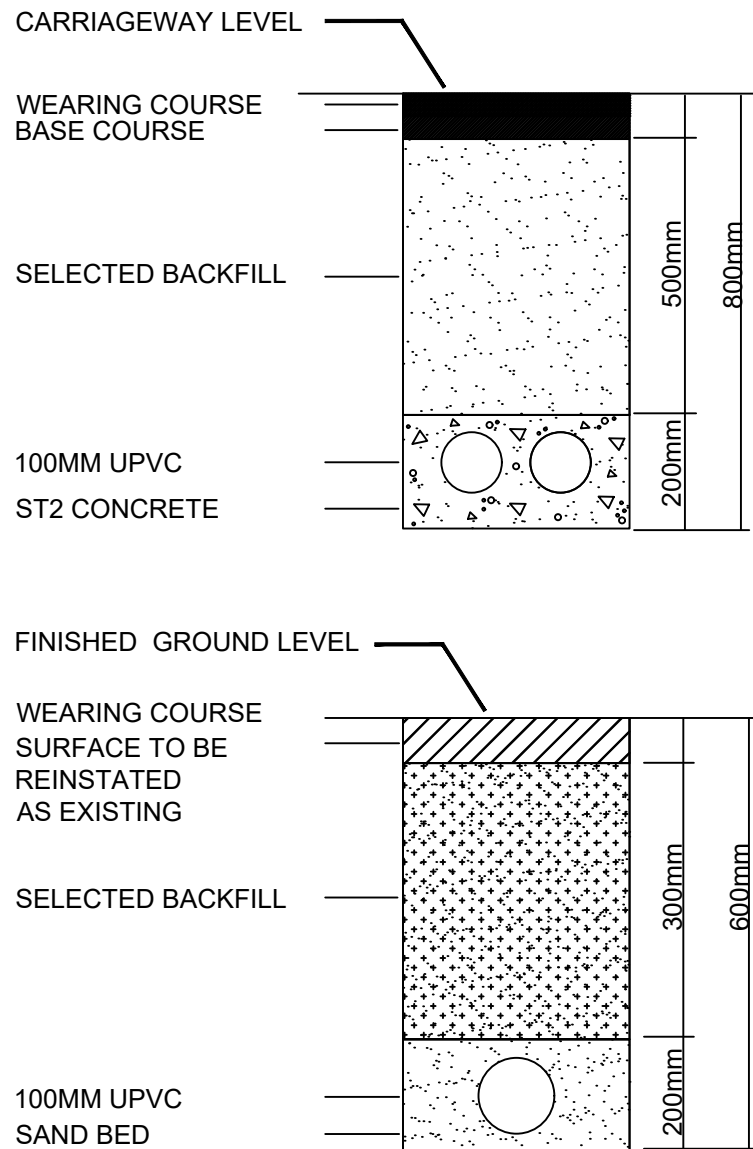


TERMINATION TYPE: 3

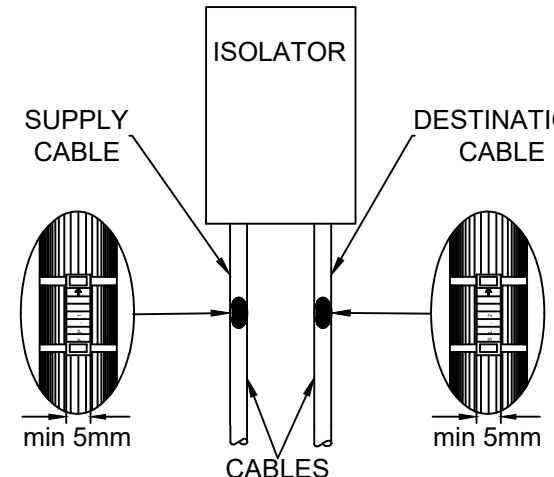


CARRIAGEWAY AND FOOTWAY DUCTING DETAILS

REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION DETAIL AND SPECIFICATION



SOURCE/DESTINATION LABELLING DETAIL



LABELLING NOTES:

- ALL CABLES SHALL BE MARKED TO INDICATE THE SUPPLY SOURCE/DESTINATION. FINAL DETAILS TO BE SPECIFIED BY THE OVERSEEING ORGANISATION.
- ALL CABLE MARKERS SHALL BE BLACK ON WHITE BACKGROUND AND SHALL BE MANUFACTURED FROM FLEXIBLE PVC AND HELD IN POSITION WITH BLACK PLASTIC TIE WRAP OR SIMILAR APPROVED THE OVERSEEING ORGANISATION.

The details provided on this drawing are subject to comments by all relevant approving authorities and/or any overseeing organisation. No construction works shall take place until technical approval has been obtained by the approving authority and/or any overseeing organisation. It is to be understood that these drawings and the information shown are preliminary only and shall not be used for construction. This drawing should not be used for construction or procurement of materials in any way until technical approval is received. Should the contractor commence work on site prior to obtaining technical approval, then it is entirely at their own risk and no liability shall be accepted by SHD Lighting Consultancy Ltd.

GENERAL NOTES

- The site engineer shall ensure that all drawings and associated documentation are fully coordinated and consistent prior to the commencement of any works. All design documents shall be read in conjunction with one another.
- Any discrepancies, ambiguities, or conflicts identified shall be reported immediately to SHD Lighting Consultancy Ltd and the overseeing organisation.
- SHD Lighting Consultancy Ltd accepts no responsibility for construction errors or omissions resulting from unreported design issues once works have commenced.
- This lighting design has been prepared in accordance with HEMSA/HEA CDM2015 Guidance Note (Issue 1.1, dated 09/04/15, Procedure 2) and complies with the CDM Regulations 2015, Part 3, Regulation 9 – Duties of Designers.

NOTES

- The information on this drawing does not account for installation considerations, site conditions or provide any risk assessment.
- This lighting design is based solely on information provided at the time of production.
- Any changes to site layout, levels, landscaping, building positions or surface finishes may invalidate the results and shall require reassessment.
- The calculation shown by this drawing assumes that the whole area being considered is in the same plane.
- No account has been taken for the blocking effect caused by buildings, trees, or other obstructions.
- All calculations are indicative and assume correct installation, aiming and commissioning of luminaires by a competent contractor.
- No allowance has been made for future changes in land use, vegetation growth or additional structures that may alter light spill or obtrusive light performance.
- All photometric data used is assumed accurate as supplied by the manufacturer. The designer accepts no liability for changes to product performance after the date of design.
- All drawings and calculations are valid only for the revision shown. Any change of site plans or product data will require recalculation.
- The site engineer shall ensure that all setting out information is mutually compatible with all drawings and documents provided by any other designer with any inaccuracies to be reported to the overseeing organisation immediately.
- Final lighting unit positions must be agreed onsite with the overseeing organisation.
- Lighting unit positions indicated upon this drawing may change without prior or additional notice due to local site or environmental constraints, subject to designer approval.
- The planting of trees near to lighting units is to be avoided as future growth may inhibit lighting levels.
- Where wildlife or ecology constraints exist (e.g., bats), the client must ensure that all mitigation measures recommended by ecologists are implemented and maintained.
- Electrical installation work shall be carried out in accordance with the latest edition of the IET Wiring Regulations, BS 7671.
- All luminaires shall be installed, aimed and commissioned strictly in accordance with manufacturer instructions. Incorrect tilt or rotation will invalidate the predicted lighting performance.
- Any proposed column foundation designs, wind loading and ground conditions, is the responsibility of the structural engineer or contractor.
- The client is responsible for ensuring safe access for maintenance, including periodic re-aiming and cleaning of luminaires.
- Lighting performance will degrade over time due to LED lumen depreciation and dirt accumulation. The client must ensure appropriate maintenance intervals.
- This design supports planning submissions but does not guarantee approval. Any planning driven changes may require redesign.
- The client is responsible for ensuring that the installed lighting system remains compliant with all planning conditions throughout its operational life.

SERVICE SAFETY & COORDINATION REQUIREMENTS

- The contractor shall obtain current statutory service record plans from all relevant undertakers before commencing any street lighting installation, alteration, or removal works.
- The contractor shall assume not all existing services are shown on design drawings. Any uncharted or unidentified services discovered must be carefully located, protected, recorded, and reported to the overseeing organisation and statutory undertaker immediately.
- Prior to starting work, the contractor shall identify all overhead electrical and communication apparatus within or adjacent to the works. Where present, the relevant undertaker shall be consulted, and written safety guidance obtained.
- Works near overhead lines shall comply with HSE Guidance GS6 – "Avoidance of Danger from Overhead Power Lines", including appropriate exclusion zones, barriers, and supervision.
- All installation and removal works shall comply with: Electricity at Work Regulations 1989, Construction (Design and Management) Regulations 2015 (CDM 2015), ENA TS 43-8 (Underground Cable Laying), ENA ER G39/1 (Public Lighting Safety Code of Practice) and all other applicable HSE and electrical safety regulations.
- Works near underground mains or cables shall follow HSE Guidance HSG47 – "Avoiding Danger from Underground Services", including verified service plans, CAT & Genny use, trial holes, and safe excavation methods.
- The contractor shall liaise with all statutory undertakers to plan and programme any required protection, isolation, or diversion works, ensuring necessary permits and approvals are in place.
- Any service diversions or protection works shall be undertaken by, or under the supervision of, the relevant statutory undertaker in accordance with the New Roads and Street Works Act 1991 (NRSWA).
- The contractor shall maintain accurate as-built records of all discovered or relocated services and issue updated information to the overseeing organisation at project completion.

R1	LAYOUT UPDATE	27/07/2026	SRH
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	02/06/2026	SRH
REV	DESCRIPTION	DATE	BY

info@shdlighting.co.uk 07834 490 192 www.shdlighting.co.uk			
PROJECT:	GLEN DIMPLEX		
DRAWING:	PRIVATE LIGHTING DESIGN ELECTRICAL		
CLIENT:	TAYLOR WIMPEY (NORTH WEST)		
DRAWING NUMBER:	SHD2828-SHD-HEL-GLEN-DR-ED-Extr001aR1	DRAWN:	SRH
	SHEET 1 OF 1	CHECKED:	SRH
CONTRACT NUMBER:	SHD2828	APPROVED:	
	DATE: 02/06/2026	SCALE @ A1	N.T.S
		REVISION:	R1
PRELIMINARY DESIGN - NOT FOR CONSTRUCTION			