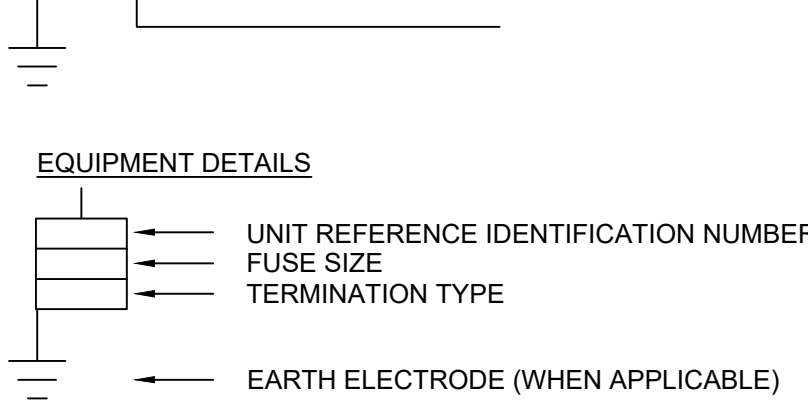


SUPPLY ORIGIN	TERMINATION TYPE
FUSE TYPE	FUSE SIZE
CABLE SIZE AND TYPE	



FP01	T3
BS 88 Type 2	16A
6MM ² 3 CORE CU XLPE/PVC/SWA/PVC	



Diagram illustrating the components and connections of a meter assembly:

- OUTGOING METER TAILS
- IDNO / DNO ELECTRICAL Kwh METER (WHEN APPLICABLE)
- 25mm" DOUBLE INSULATED METER TAILS
- SP&N IDNO / DNO 100A SERVICE CUT-OUT
- 10 WAY BRASS EARTH BONDING BLOCK
- EARTH BOND TO FEEDER PILLAR DOOR
- EARTH BOND TO FEEDER PILLAR BODY
- TREATED HARDWOOD BACKBOARD
- SP&N DISTRIBUTION BOARD WITH 100A MAIN SWITCH AND 4 WAY BS 68-2 FUSED OUTGOING CIRCUITS INCORPORATING SURGE PROTECTION DEVICE (TYPE 2)
- OUTGOING S.W.A. CIRCUITS (See Schematic for circuit details)
- EARTH BOND C.P.C AS PER BS7671
- IDNO / DNO INCOMING SUPPLY

REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION DETAIL AND SPECIFICATION

CABLE SLOT TO BE KEPT CLEAR

3" INCLINE

COMPACT REFILL

CONCRETE MIX ST2

SURFACE TO MATCH EXISTING

150mm

EXISTING OR PROPOSED SURFACE LEVEL

PLANTING DEPTH - SEE TABLE BELOW

MOUNTING HEIGHT	PLANTING DEPTH
15m	2.0m
12m	1.7m
10m	1.5m
8m	1.2m
6m	1.0m
5m	0.8m

SOIL TYPE

GOOD

COMPACT WELL GRADED HARD CLAY, WELL GRADED COURSE SAND, DECOMPOSED AND SOIL. GOOD MATERIAL DRAINED AND IN LOCATION WILL NOT STAND.

AVERAGE

COMPACT FINE SAND, MEDIUM LOOSE COARSE SAND AND AVERAGE SOILS SHOULD BE SUFFICIENTLY WELL THAT WILL STAND ON THE SURFACE.

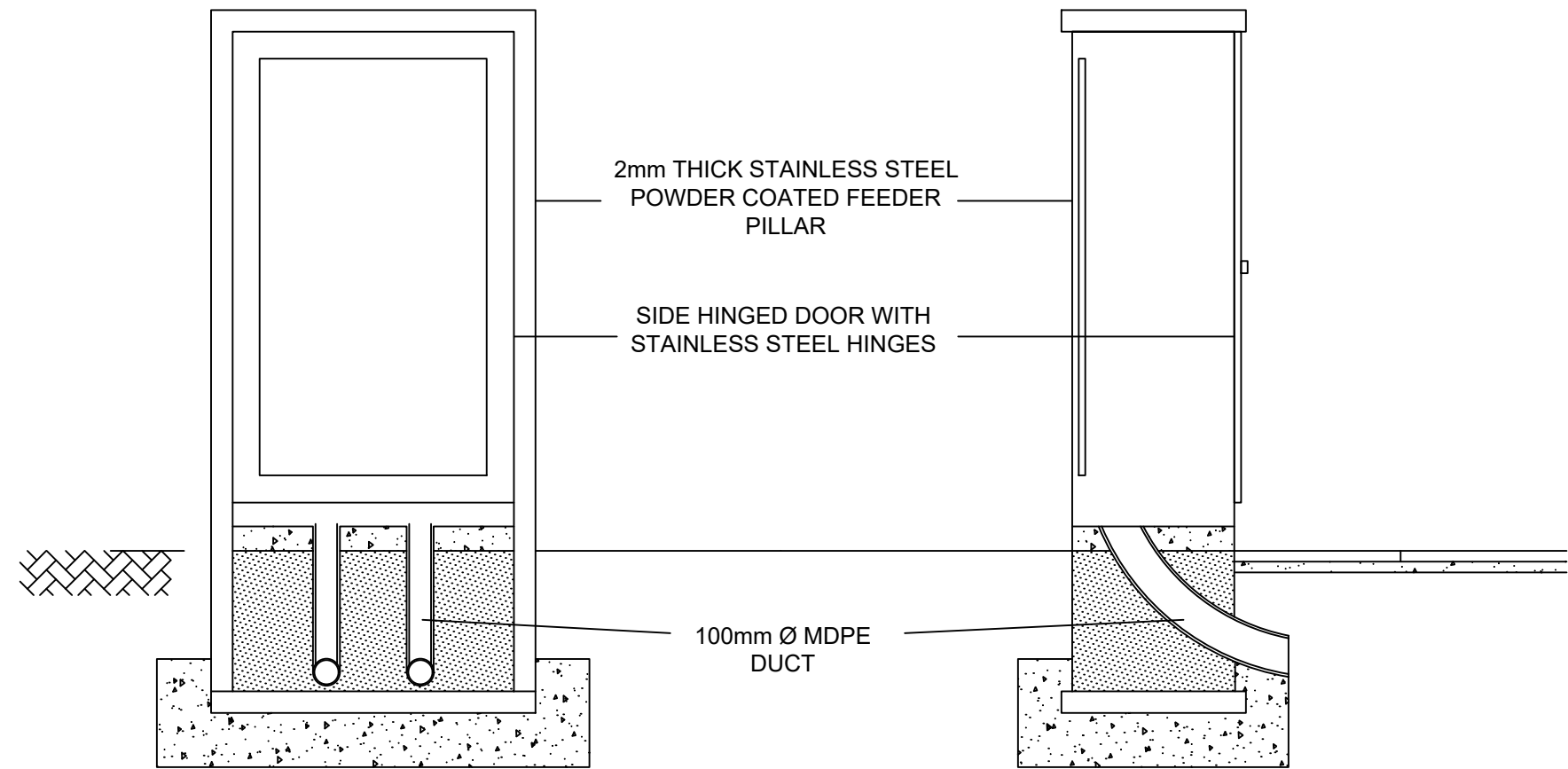
POOR

SOFT CLAY, CLAY LOAM, FINE COMPACTED SAND, CLAYS WITH LARGE AMOUNT OF SILT AND MATTTER, AND MADE GROUT WILL NORMALLY BE WET AND DRAINAGE

POOR SOIL CONDITIONS REQUIRE C25P CONCRETE INSIDE SHAFT AND 300 X 300 PC CONCRETE SLAB AND 300 SAND BED

D + 300mm MAX.

REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION DETAIL
AND SPECIFICATION



The diagram illustrates the internal wiring and components of a lighting fixture. It shows a top section for 'DNO / IDNO SUPPLY' connected to a '100A BS88-2 FUSE'. Below this is a '25MM² DOUBLE INSULATED TAILS' section. The main body of the fixture contains an 'ELECTRICITY METER' and another '25MM² DOUBLE INSULATED TAILS' section. This leads to a 'SECONDARY ISOLATION' block, which is connected to a 'BS588-2 FUSE + SPD (Type 2)' (Refer to schematic for fuse size). The wiring then passes through an 'XLPE/PVC/SIVAC/PVC CABLE' (Refer to schematic for cable size) to a 'LIGHTING COLUMN LOCAL ISOLATION' block. This is followed by a '6A BS88-2 FUSE' and a '1.5MM² FLEXIBLE CORD' leading to the 'LIGHTING COLUMN LUMINAIRE' at the bottom.

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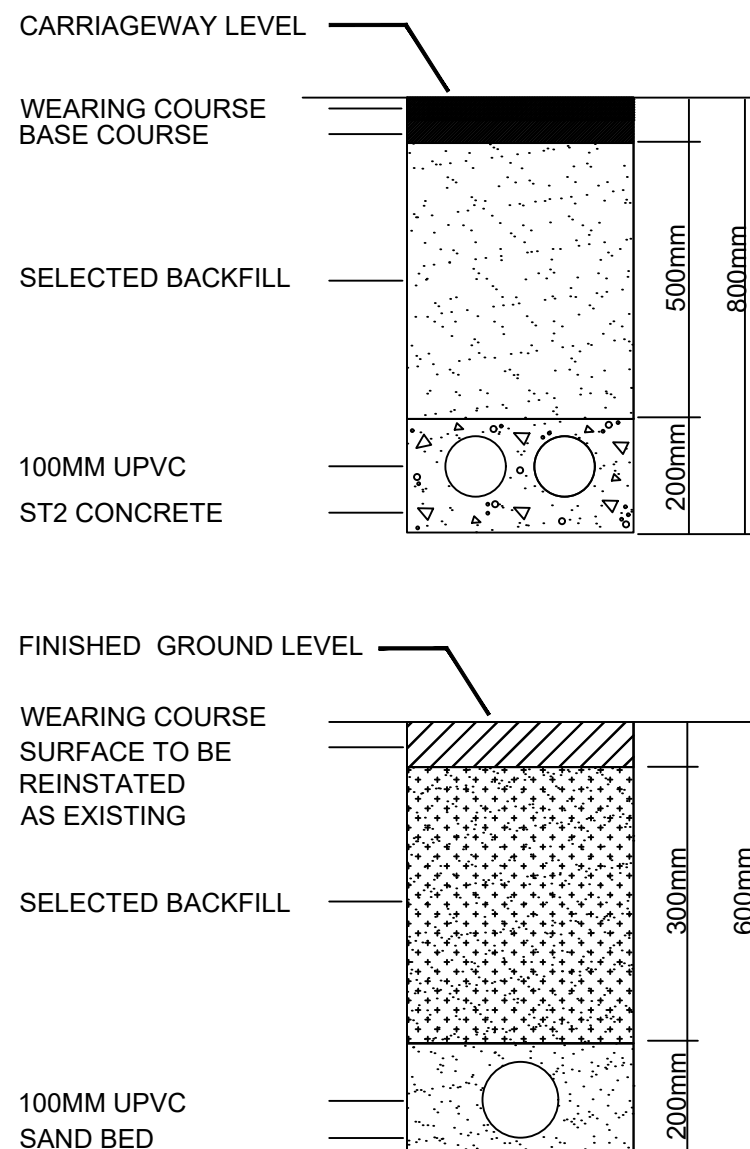
graph TD
    A[DNO / IDNO SUPPLY] --- B[100A BS88-2 FUSE]
    B --- C[25MM² DOUBLE INSULATED TAILS]
    C --- D[ELECTRICITY METER]
    D --- E[25MM² DOUBLE INSULATED TAILS]
    E --- F[SECONDARY ISOLATION]
    F --- G["BS588-2 FUSE + SPD (Type 2)  
(Refer to schematic for fuse size)"]
    G --- H["XLPE/PVC/SIVAC/PVC CABLE  
(Refer to schematic for cable size)"]
    H --- I[LIGHTING COLUMN LOCAL ISOLATION]
    I --- J[6A BS88-2 FUSE]
    J --- K[1.5MM² FLEXIBLE CORD]
    K --- L[LIGHTING COLUMN LUMINAIRE]
  
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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]

[illegible]

The diagram illustrates the internal components of a 100A Main Switch assembly. At the top is the **SP&N DISTRIBUTION BOARD WITH 100A MAIN SWITCH AND 4 WAY BS88 FUSES**, which includes terminals for **[PP]** and **[QQ]**. Below this is the **IDNO / DNO ELECTRICAL Kwh METER**. To the right, a vertical busbar assembly contains terminals for **[L1]**, **[L2]**, **[L3]**, and **SUPPLY OUT**. The busbar is labeled **[FF]** and **[L4]**. A cable labeled **[JJ]** is shown at the bottom, with terminals **[NN]** and **[HH]** indicated. A curved line represents the cable's path, and a small box at the bottom right shows the cable's cross-section with terminals **[LL]** and **[OO]**.

REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION DETAIL AND SPECIFICATION



The diagram illustrates a cable assembly. At the top is a rectangular box labeled "ISOLATOR". Below it, two cables are shown, labeled "SUPPLY CABLE" and "DESTINATION CABLE". These cables are connected to a central point labeled "CABLES". The cables are shown with a cross-section view indicating a minimum gap of "min 5mm" between them.

1. ALL CABLES SHALL BE MARKED TO INDICATE THE SUPPLY SOURCE/DESTINATION. FINAL DETAILS TO BE SPECIFIED BY THE OVERSEEING ORGANISATION.
2. 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 Integrity Consultancy Ltd.