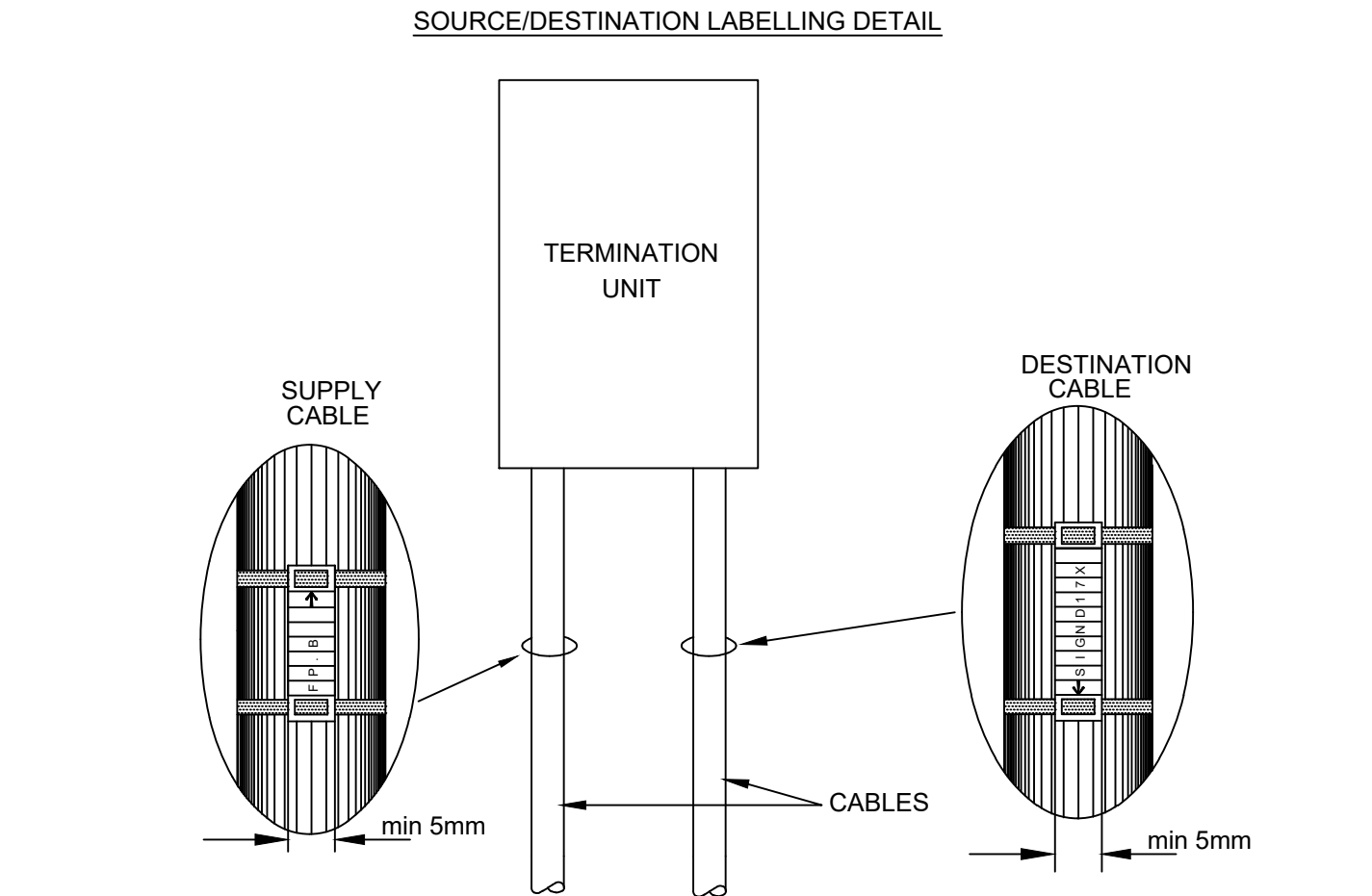
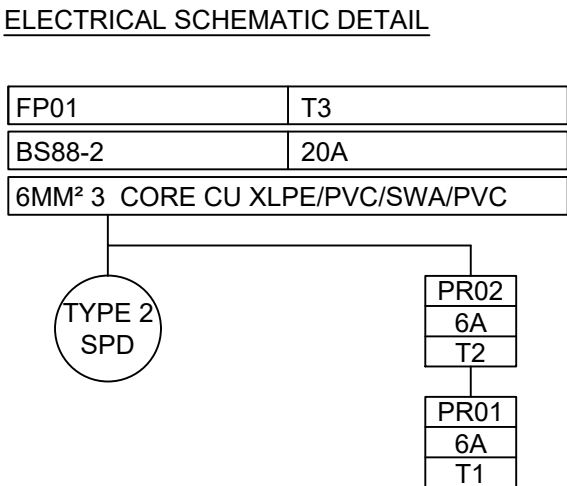
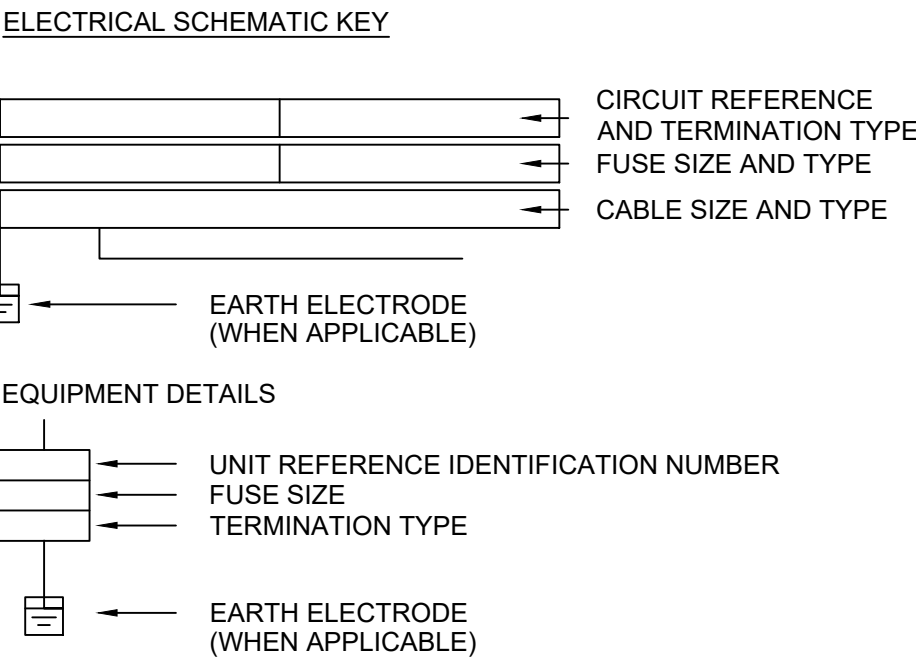




LABELLING NOTES:

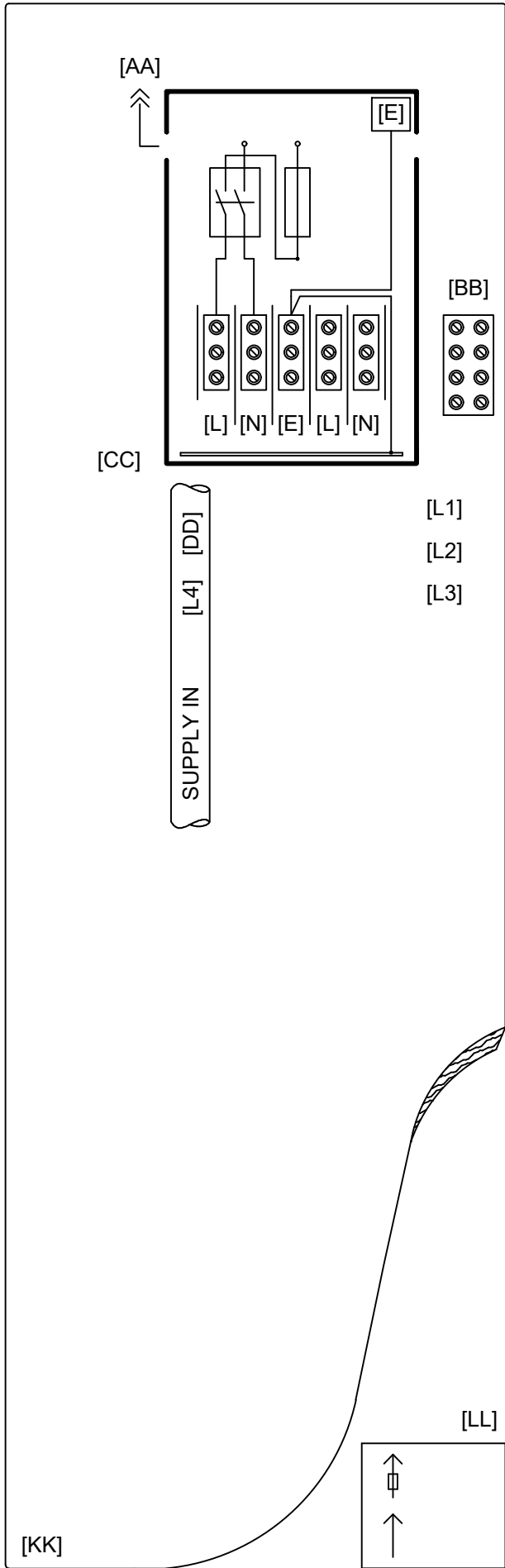
- ALL CABLES SHALL BE MARKED TO INDICATE THE SUPPLY SOURCE/DESTINATION. FINAL DETAILS TO BE SPECIFIED BY THE ENGINEER
- ALL CABLE MARKERS SHALL BE BLACK ON WHITE BACKGROUND AND SHALL BE MANUFACTURED FROM PLASTICIZED PVC AND HELD IN POSITION WITH BLACK PLASTIC TIE WRAP OR SIMILAR APPROVED BY ENGINEER.
- EACH SOURCE/DESTINATION LABEL SHALL BE A MAXIMUM OF FIFTEEN ALPHANUMERIC CHARACTERS.



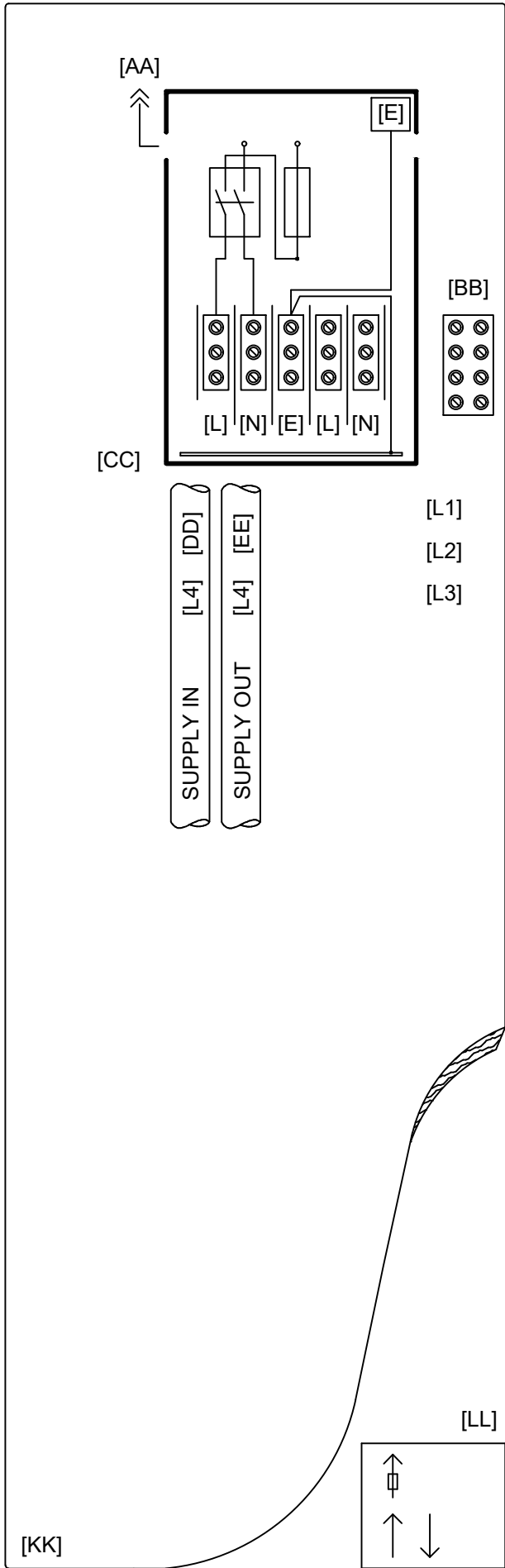
TERMINATION KEY

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]	6mm² 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]	25mm² 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]

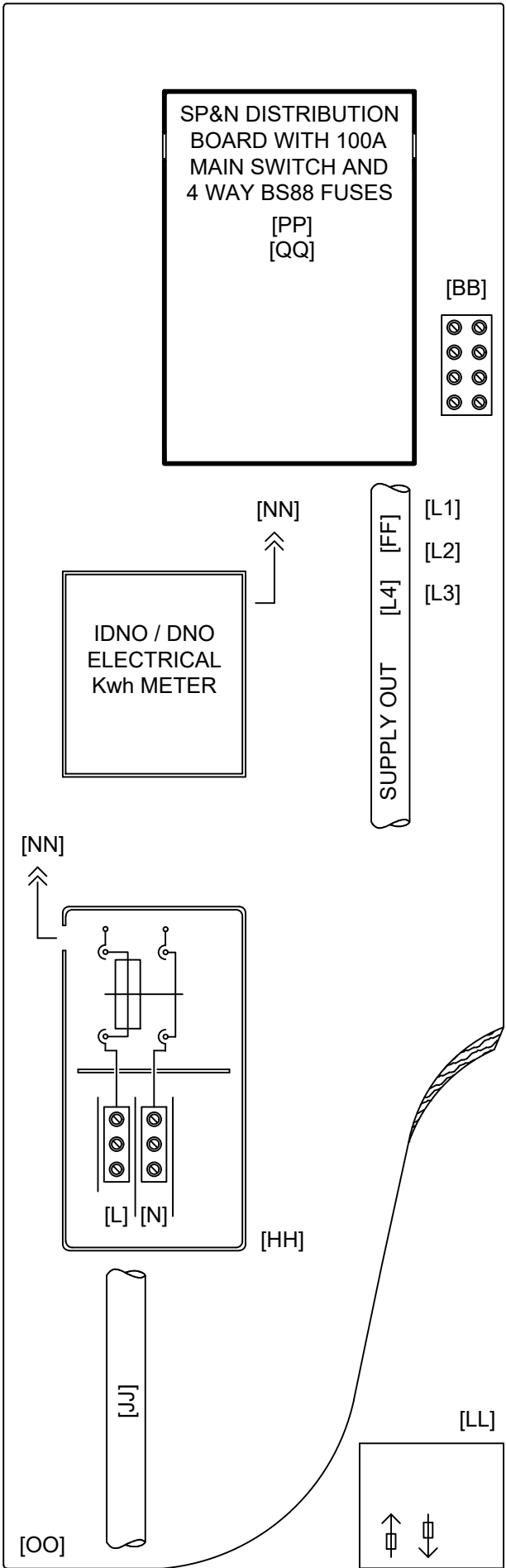
TERMINATION TYPE: 1



TERMINATION TYPE: 2



TERMINATION TYPE: 3



NOTES

- Any inaccuracies are to be reported to the overseeing organisation immediately.
- It should be assumed by the Contractor that not all services have been identified during the design period. It is the responsibility of the Contractor to take all necessary steps to ensure that any such unidentified services are carefully located and not damaged.
- The Contractor shall identify the location of any overhead electrical or communication equipment prior to the undertaking of any onsite works. Should the presence of such equipment be identified, the Contractor shall consult with the relevant statutory undertaker for further guidance.
- Final lighting column positions shall be agreed onsite with the overseeing organisation.
- Lighting column foundations shall be designed in accordance with the manufacturer datasheets for the columns and soil types present.
- Lighting columns shall be located to the rear of the footpath or verge, unless stated otherwise. If this is not possible the minimum setback distance for any lighting column to be erected from the kerb face shall be 1000mm.
- Any existing or proposed trees are to be cutback, removed or relocated elsewhere to avoid interference with the street lighting luminaire or prevent any future access or maintenance.
- All drawings and documents are to be read in conjunction with one another and are mutually compatible and shall be read as such.
- All documents shall be checked to ensure they are compatible by the contractor before construction commences. In the event of apparent ambiguity or contradiction, the designer shall be notified immediately. SHD Lighting Consultancy Ltd accept no liability in the event of not being notified and where construction work has commenced.
- Before construction commences, the site engineer shall ensure that all setting out information is mutually compatible with all the drawings and documents provided by the designers.
- Where information is apparently contradictory or ambiguous, the design engineer is to be notified immediately. SHD Lighting Consultancy Ltd accept no liability for setting out errors where work is construction to incorrect information.
- This design has been prepared in accordance with the HEMSA/HEA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 2 and The Construction (Design and Management) Regulations 2015 - PART 3 Health and safety duties and roles - 9. Duties of designers.

HEALTH & SAFETY NOTES

- All statutory consents, opening notices etc. as required under Highways Acts and water industries acts are to be obtained by the contractor prior to commencement of the works (unless otherwise stated).
- All works are to be inspected by a local authority representative or overseeing organisation as applicable.
- The contractor should confirm the location of all statutory services and plant by hand dug trial trenches prior to commencing any works.
- Allowance for the presence of any existing or proposed statutory services, appropriate protection and/or diversion measures are to be put in place by the contractor (unless stated otherwise) where statutory services are found to be within the area of street lighting installation or removal works.
- The contractor is responsible for ensuring that all advance notices are in place and traffic management agreed for the works prior to commencing. The contractor is to make allowance for the advance provision of all electrical works and equipment for street lighting within their programme of works.
- All materials to comply fully with the local authority or overseeing organisation specifications or design brief.
- All materials to be agreed with the overseeing organisation or site representative prior to ordering.

CDM REGULATIONS 2015

- In line with the above regulations SHD Lighting Consultancy Ltd are obliged to inform the client of the risks that may be encountered in the construction of these works.
- Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the works.
- SHD Lighting Consultancy Ltd would also respectfully remind the client of their obligations to take all reasonable steps in ensuring that only competent contractors who have a valid safety policy are employed. they should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by below:
 - Dealing with existing statutory services.
 - Trench excavations in excess of 1.2m deep.
 - Guarding to edges of excavations to prevent people, materials and vehicles falling into excavation.
 - Guarding of excavations outside working hours to prevent unauthorised access.
 - Undermining to adjacent roads or structures.
 - Confined space operations.
 - Traffic management on existing highways and protection of site personnel and members of the public.
 - Procedure to be followed in event of accident or emergency.
 - Method of working where contaminated ground is present on site.
- Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied. Any construction personnel, including operatives intending to construct the designs shown on this drawing should ensure that they have been regularly and thoroughly briefed by the principal contractor on all health and safety matters and have had sight of any risk assessments, health and safety plan and contractor construction method statements.

The details provided on this drawing are subject to comments by all the relevant approving authorities or overseeing organisation. No construction works shall take place until technical approval has been obtained by the approving authority or overseeing organisation. It is to be understood that these drawings and the information contained are preliminary only and shall not be used for construction. 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.

R0	INITIAL DESIGN	03/06/2020	SRH
REVISION	DESCRIPTION	DATE	BY
SHD OUTDOOR LIGHTING CONSULTANCY CONTACT: info@shdlighting.co.uk WEB: www.shdlighting.co.uk			
SCHEME: OFF WILDHOUSE LANE, MILNROW			
DRAWING: PRIVATE CAR PARK LIGHTING DESIGN GENERAL APPARATUS DETAIL			
CLIENT: TEMPUS			
DRAWING:	SHD066-SHD-HLD-WILD-DR-EO-R0	REVISION	R0
DRAWN:	S HIGHAM	APPROVED:	
CONTRACT NUMBER:	SHD066	SCALE: N.T.S	@A1
		DATE: 03/06/2020	
PRELIMINARY DESIGN - NOT FOR CONSTRUCTION			