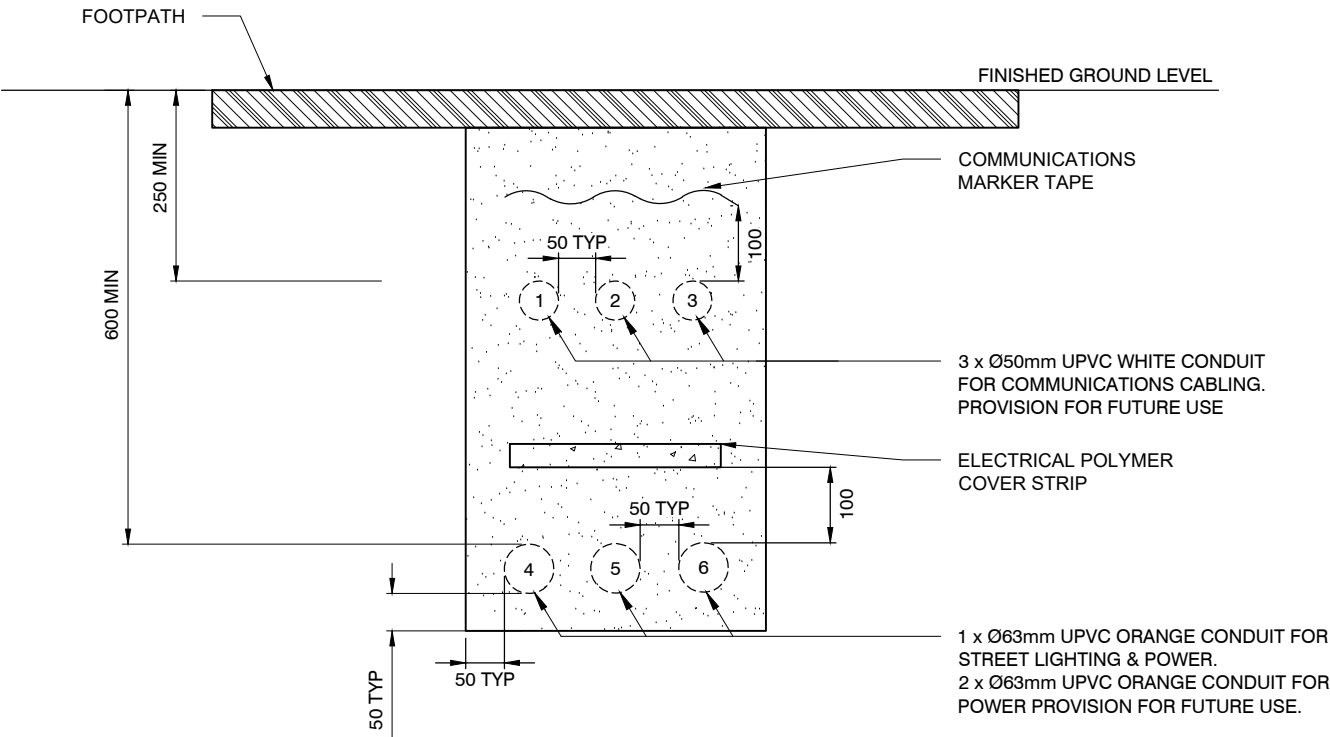
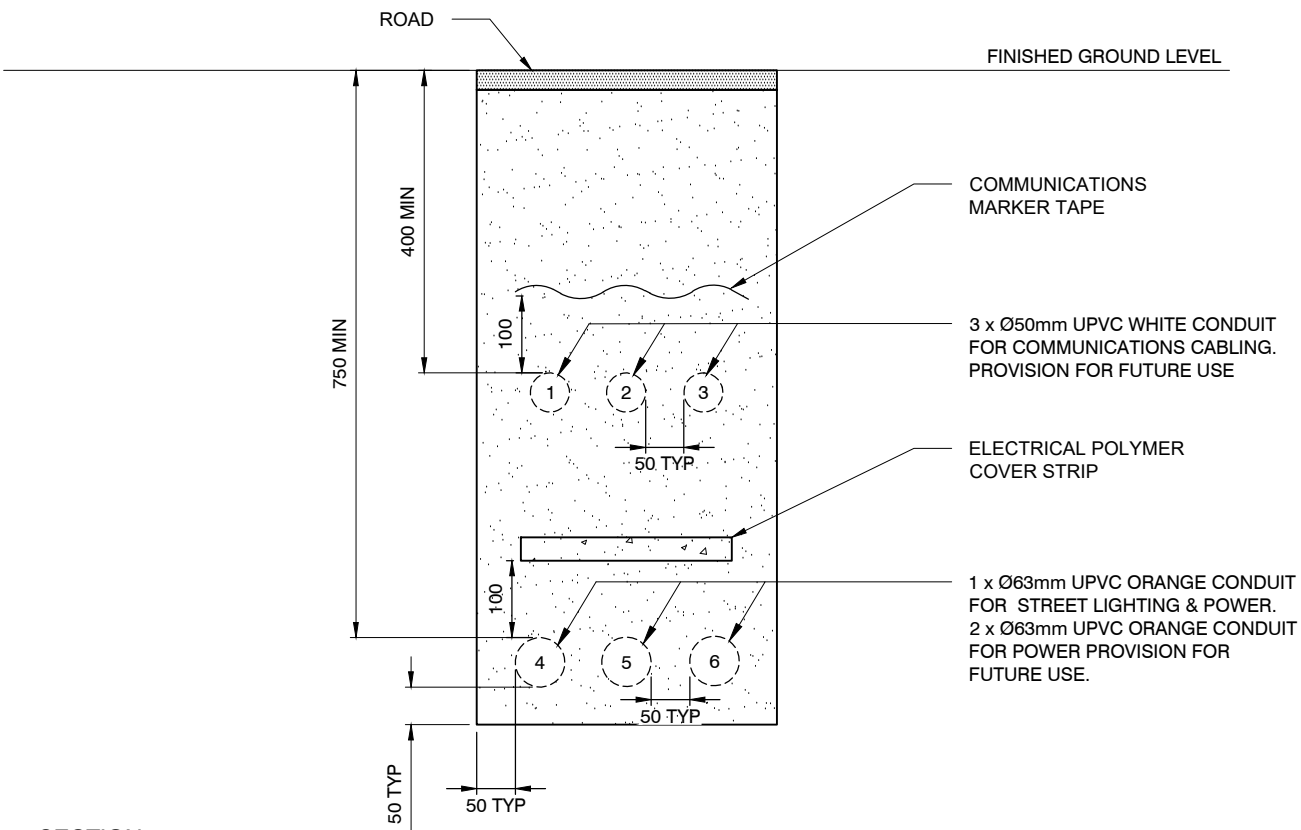


TYPICAL ELECTRICAL & COMMS
CONDUIT ARRANGEMENT (FOOTPATH)

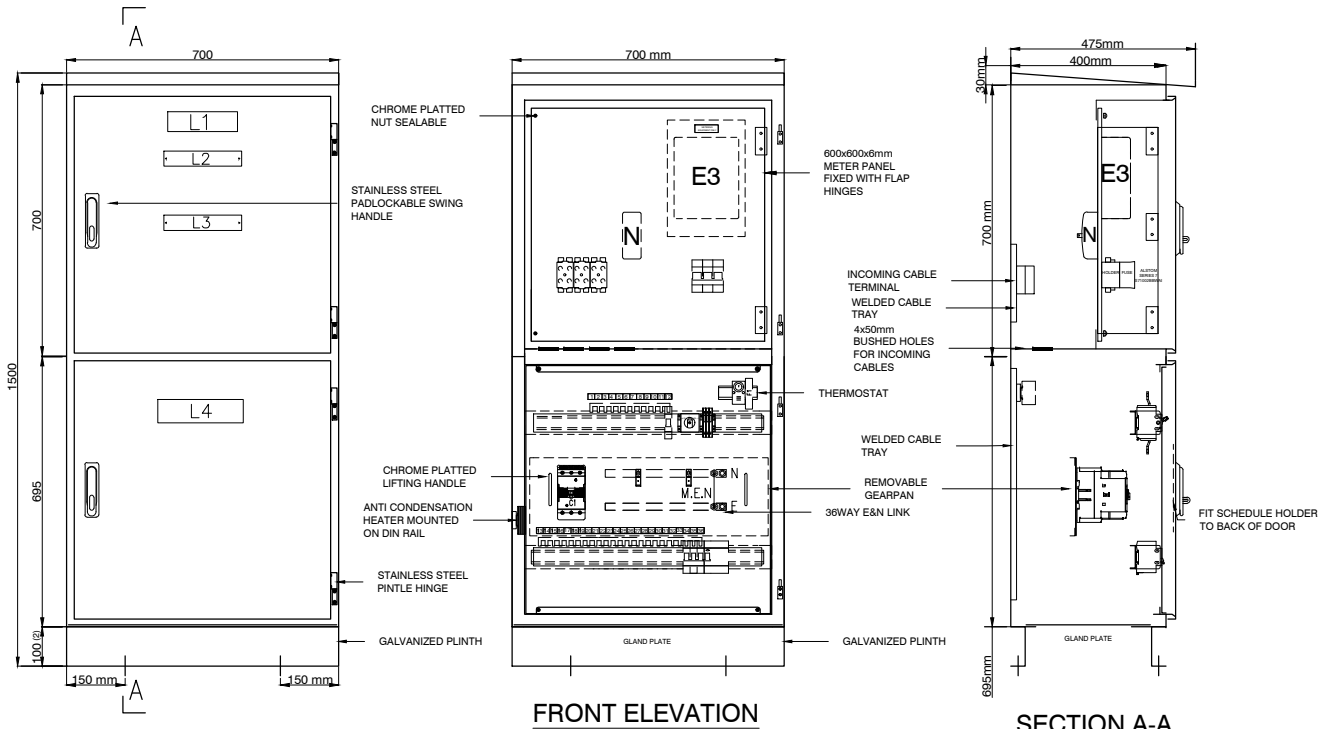


TYPICAL ELECTRICAL & COMMS
CONDUIT ARRANGEMENT (ROAD)



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

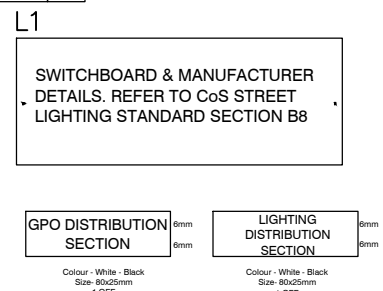
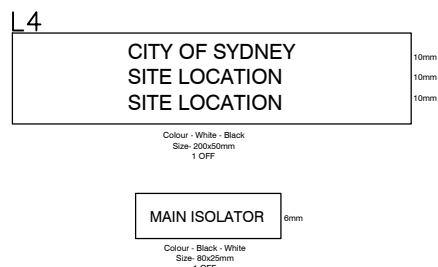
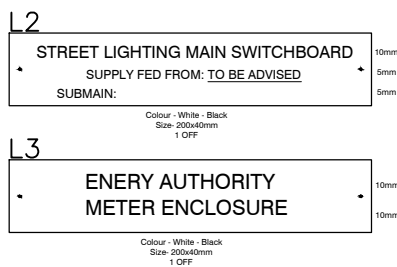


FRONT ELEVATION
(WITH DOORS FITTED)

FRONT ELEVATION
(WITH DOORS REMOVED)

SECTION A-A

MINOR EQUIPMENT SCHEDULE				
ITEMS	DESCRIPTION	REFERENCE	PART NO.	QTY
SERVICE FUSES	IPD SERIES 7 SERVICE FUSE BACK CONNECTION + FUSE LINK	#S71002BBWAI + RHLF100		3
THREE PHASE METER	SUPPLIED AND FITTED BY OTHERS			1
SERVICE METER NEUTRAL LINK	NETEC SEALABLE LINKS 3x35 & 2x16mm	#AN100S-535-B		1
MAIN ISOLATOR				1
3P 12-WAY COMB BUSBAR	SCNEIDER 3P 12-WAY 100A COMB BUSBAR WITH ENDCAP	#SN-A9XPH312		1
3P 24-WAY COMB BUSBAR	SCNEIDER 3P 12-WAY 100A COMB BUSBAR WITH ENDCAP	#SN-A9XPH324		1
36 WAY BRASS LINKS	36 WAY N&E BRIBAR LINKS	#DB-BRASSLINK-36		2
ANTI CONDENSATION HEATER	IPD - 15W ANTICONDENSATION HEATER	#RACP-15		1
THERMOSTAT	IPD - 100 - 250V AC 1NC THERMOSTAT	#TRT-10A230V-NC		1
FUSE	FUSE CARRIER	#ACC-FUS-C10G		1
	10A FUSE LINK	#ACC-FUS-10G-10		1
A-O-M SWITCH	TELUX DIN RAIL MOUNTED 20A NON-LOCABLE 2P SWITCH	#M10HEU1-SMA		1
CONTRACTOR (C1)	LS CONTRACTOR 3P N/O AC3-85A 240V	#BX-MC-85A		1
TERMINAL	TERMINAL 2.5MM GREY	#ACC-TERM-GREY-2.5		3
SS316 PADLOCKABLE HANDLE	SWING HANDLE PADLOCKABLE - SS316	#GEN-HANDLE-SH-PL-316		2
MCB	SCHNEIDER - 1P 6A 6kA MCB C - CURVE	#SN-A9F44106		1
MCB	SCHNEIDER - 3P 25A 6kA MCB C - CURVE	#SN-A9F44350		1
MCB	SCHNEIDER - 2P 20A 10kA MCB WITH 30mA RCD PROTECTION C-CURVE			1



NOTES:

- TO BE READ IN CONJUNCTION WITH DRAWING 5.1.4
- 75 mm GALVANIZED CHANNEL PLINTH MAY BE USED WITH CONCRETE / ASPHALT PAVING
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CONSTRUCTION NOTES:

CONSTRUCTION: FLOOR MOUNTED, FRONT CONNECTED, RATED AT 100A
CABINET: 2mm 316 STAINLESS STEEL, FOLDED & WELDED/MODULAR BOLTED CONSTRUCTION

DOORS AND ESCUTCHEONS: 1.5mm GRADE 316 STAINLESS STEEL

OTHER BRACKETS: 1.6mm ZINC SEALED MILD STEEL MIN

BOTTOM GLAND PLATE: 6mm METER PANEL

FORM OF SEGREGATION: FORM 1 - TO AS3439.1 - 2002

DEGREE OF PROTECTION: IP - 66 - REFER TO WEATHER PROOFING DETAIL

FAULT RATING: 6kA FOR 1 SECOND

FINISH:
PREPERATION: DE-SCALE & DE-GREASE

EXTENRAL COLOUR: NATURAL FINISH

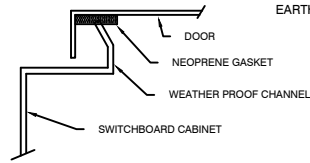
INTERNAL COLOUR: NATURAL FINISH

REMOVALBLE GEAR PANS & ESCUTCHEON: GLOSS WHITE

PLINTH: GALVANISED

LABELS: ENGRAVED PLASTIC LAMINATE
FIXING: DOUBLE SIDED ADHESIVE & STAINLESS STEEL SCREWS
COLOUR: AS SHOWN

CONTROL WIRING: MINIMUM 1.5mm Cu V90
POWER WIRING: MINIMUM 2.5mm Cu RE110 DOUBLE INSULATED
WIRE MARKERS: STANDARD FERRULES
TERMINATIONS: BARE CABLE ENDS. WHERE TERMINALS REQUIRE LUGS, BOOTLACE FERRULES OR PRE-INSULATED RING LUGS. **FORK LUGS SHALL NOT BE USED**
COLOUR: 240 AC - PHASE COLOURED
NEUTRAL - BLACK
EARTH - GREEN/YELLOW

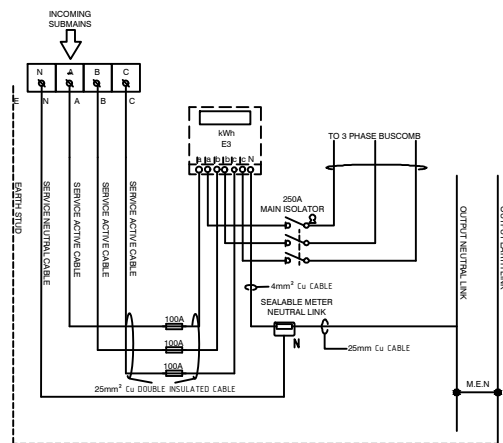


WEATHER PROOFING DETAIL

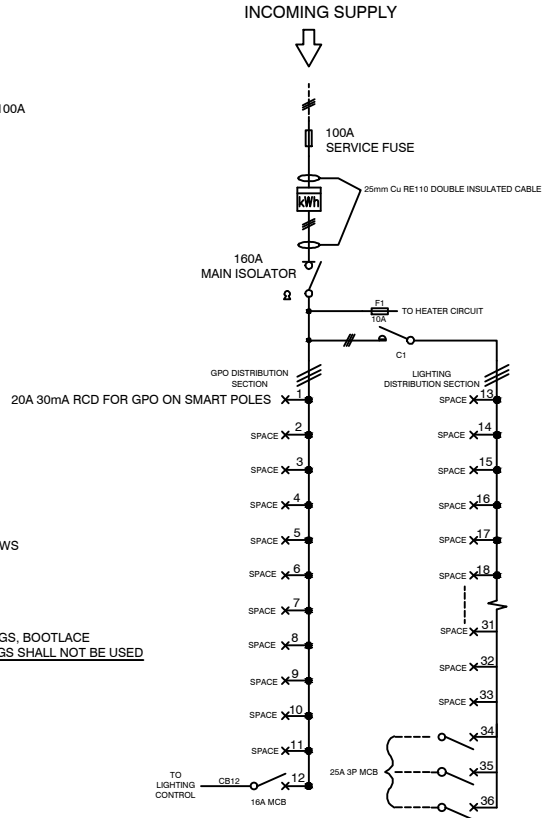
1 OFF

NOTES:

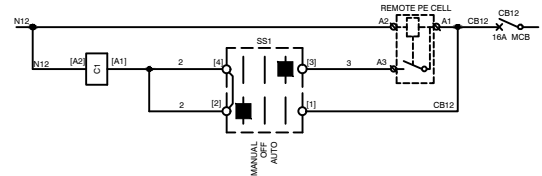
MAIN ISOLATOR TO BE LOCATED IN THE ENERGY AUTHORITY SECTION. BUS COMB TO BE FIXED SECURELY TO THE BUSBAR.



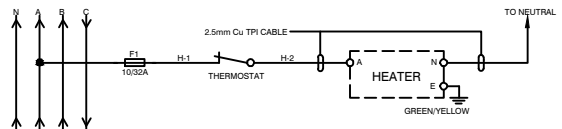
E3 METER WIRING SCHEMATIC



SINGLE LINE DIAGRAM



PE CELL LIGHTING CONTROL SCHEMATIC DIAGRAM

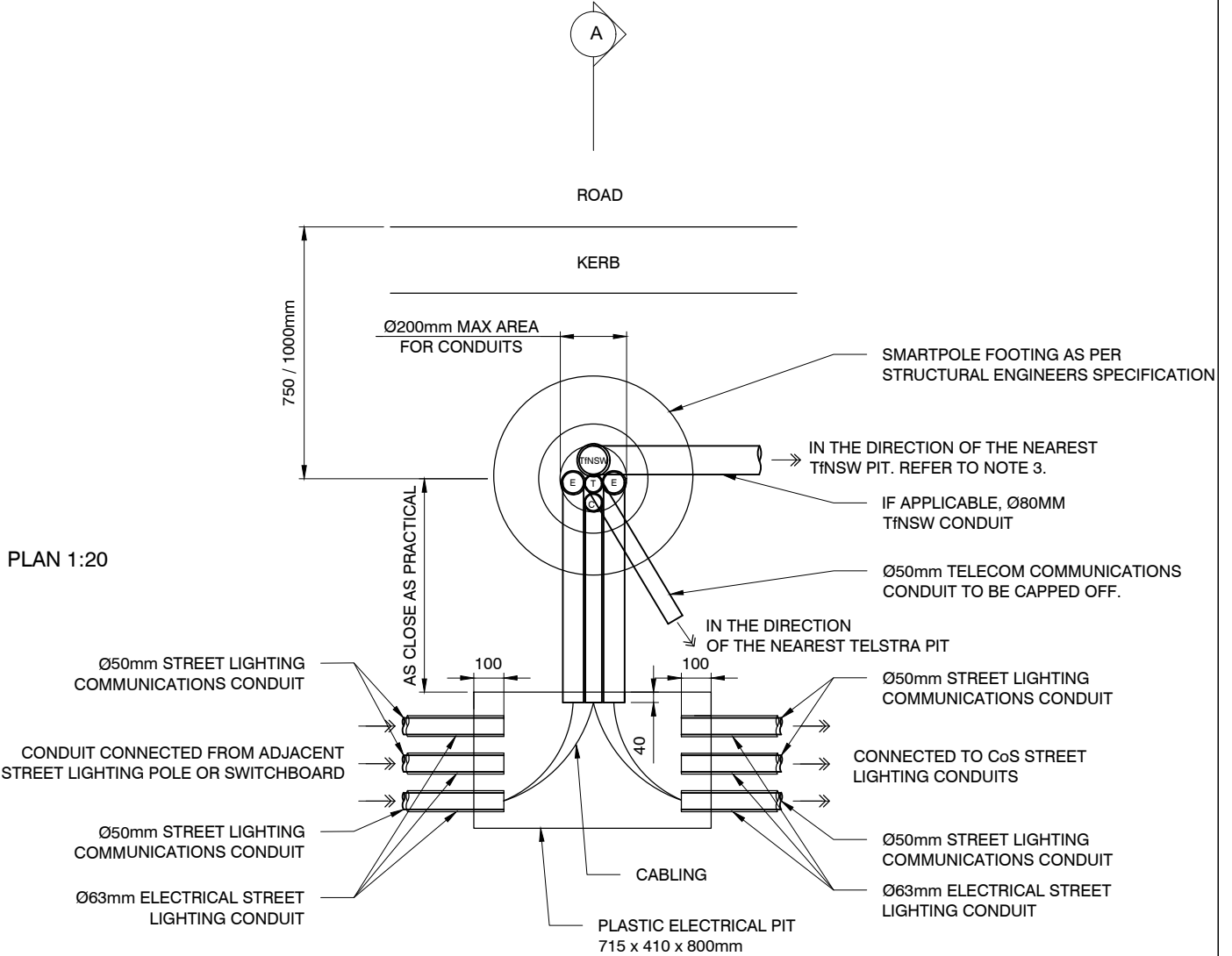


ANTICONDENSATION HEATER SCHEMATIC DIAGRAM

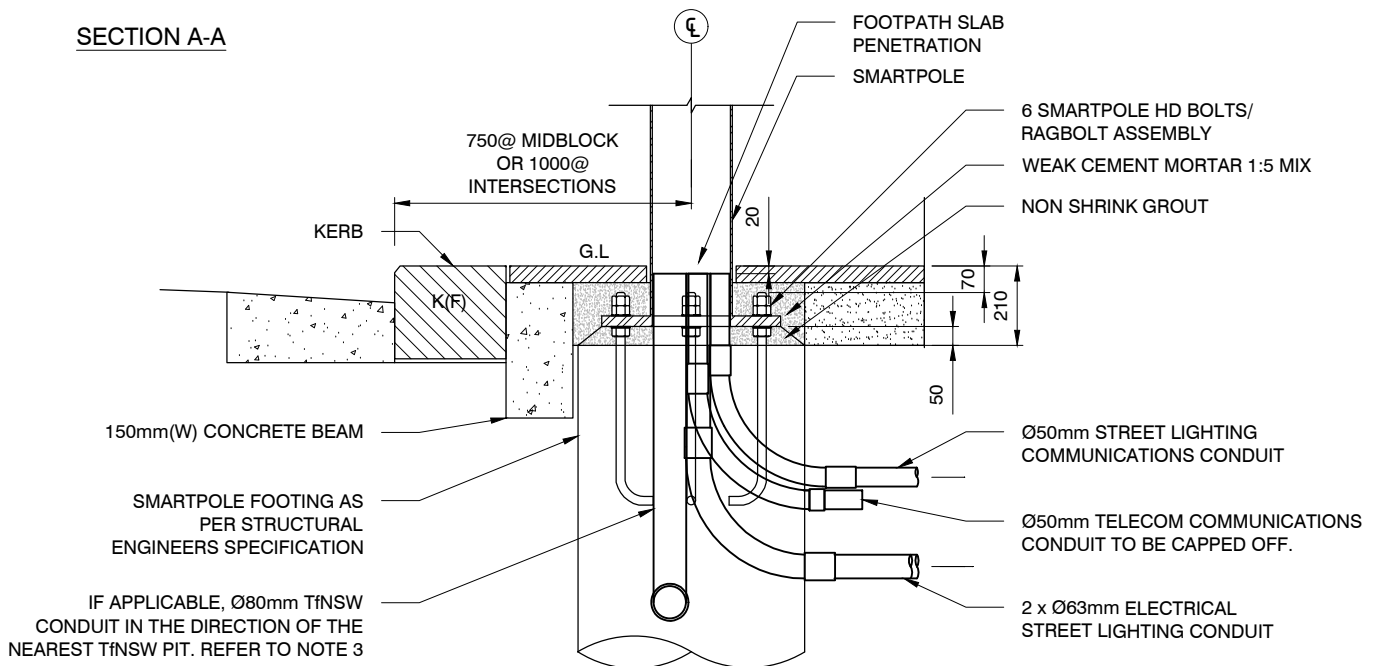
NOTES:

1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.3
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CONDUIT ARRANGEMENTS AT POLE BASE

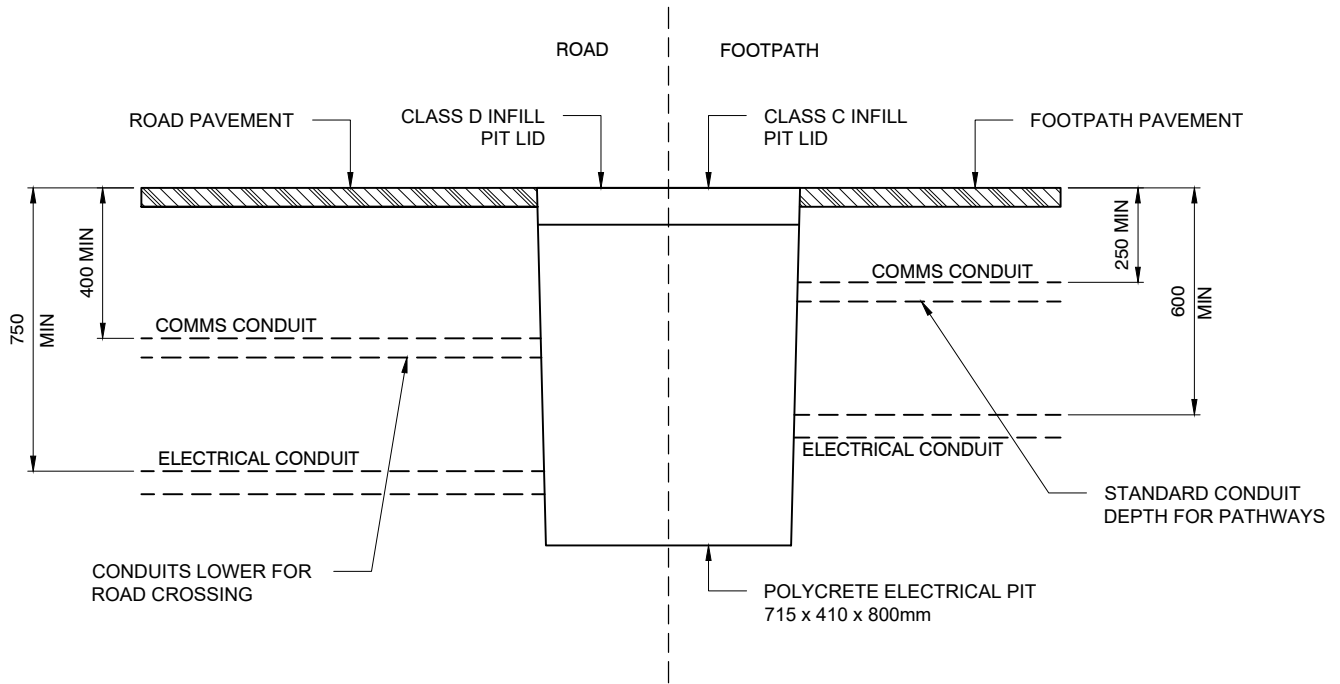


SECTION A-A



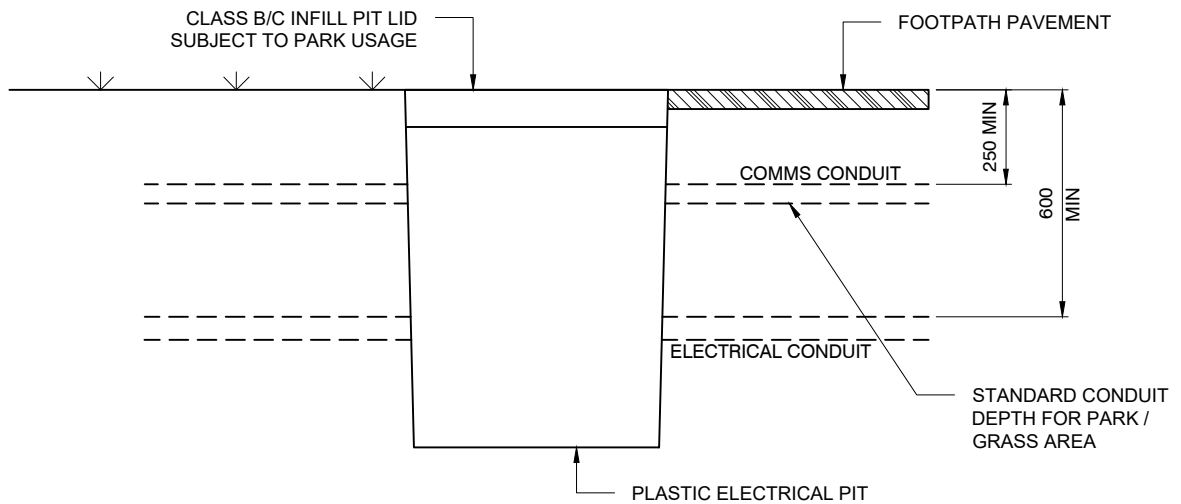
SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



ELECTRICAL PIT ARRANGEMENT FOR ROAD / FOOTPATH

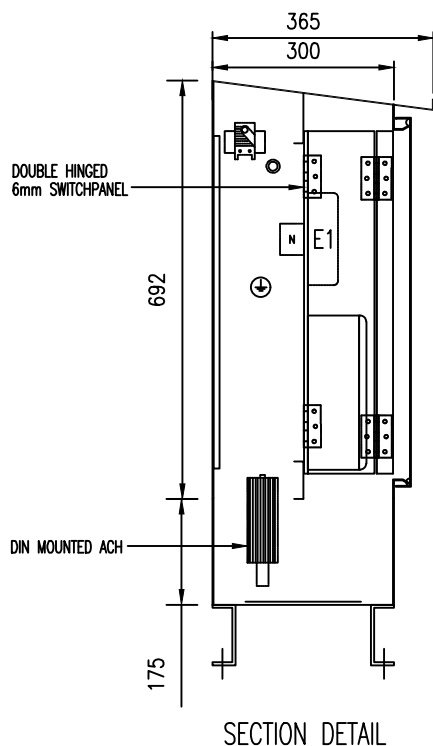
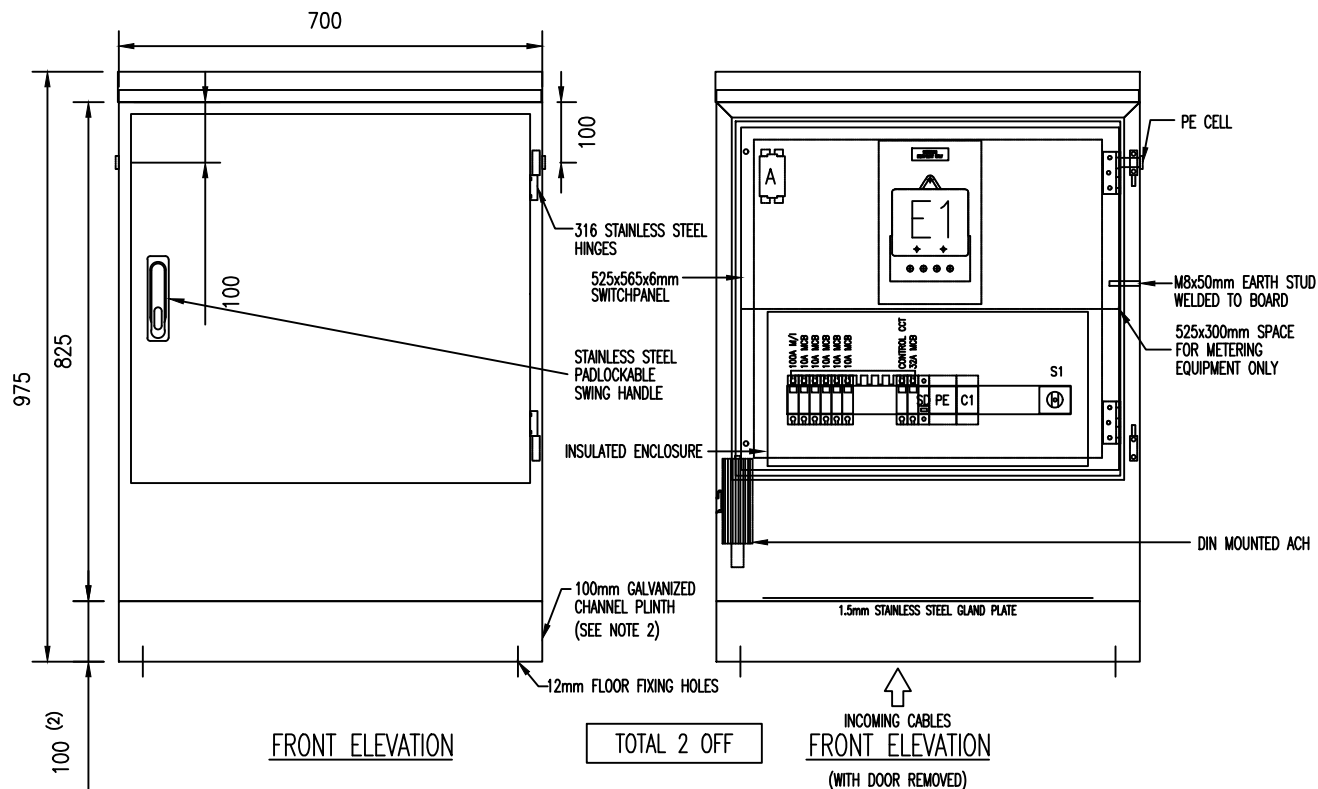
SCALE 1:20



ELECTRICAL PIT ARRANGEMENT FOR PARKS

SCALE 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



CONSTRUCTION NOTES:

CABINET:

1.5mm STAINLESS STEEL 316 GRADE

DOOR:

1.5mm STAINLESS STEEL 316 GRADE

PLINTH:

75mm x 38mm MILD STEEL CHANNEL

ESCUTCHEON & GEAR PAN:

1.5mm STAINLESS STEEL 316 GRADE

GLAND PLATES:

1.5mm STAINLESS STEEL 316 GRADE

FORM OF SEGREGATION:

FORM 1

DEGREE OF PROTECTION:

IP-66 - REFER TO WEATHER PROOFING DETAIL

FAULT RATING:

6KA

FINISH:

DE-SCALE & DE-GREASE

PREPARATION:

GRAIN FINISH

EXTERNAL COLOUR:

GRAIN FINISH

INTERNAL COLOUR:

GLOSS WHITE

BRACKETS:

HOT DIP GALVANISED

PLINTH:

ENGRAVED PLASTIC LAMINATE

LABELS:

DOUBLE SIDED ADHESIVE & SCREW FIXED

FIXING:

MAIN ISOLATOR - WHITE LETTERS ON BLACK

COLOUR:

WARNING, FIRE & LIFTS - WHITE LETTERS ON RED

OTHERS - BLACK LETTERS ON WHITE

CONTROL WIRING:

MINIMUM 1.5mm Cu V90

WIRE MARKERS:

SMB HARVAL STANDARD FERRULES

TERMINATIONS:

BARE CABLE ENDS. WHERE TERMINALS REQUIRE LUGS, BOOTLACE FERRULES

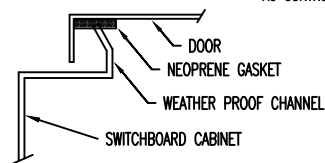
OR PRE-INSULATED RING LUGS.

240V AC - PHASE COLOURED

NEUTRAL - BLACK

EARTH - GREEN/YELLOW

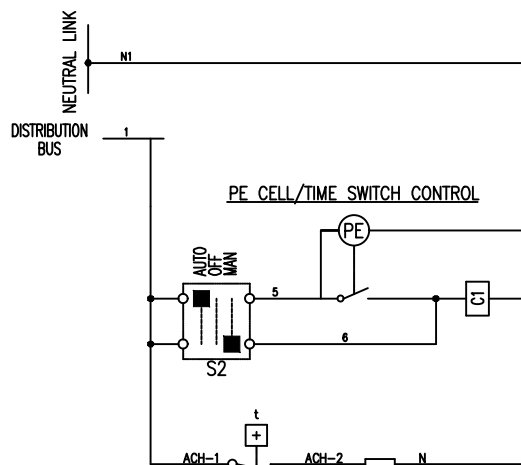
AC CONTROL CIRCUIT ACTIVE- RED



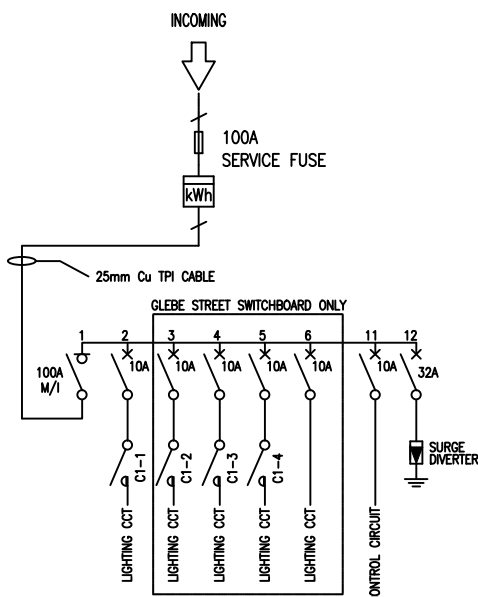
NOTES:

1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.8
2. 75 mm GALVANIZED CHANNEL PLINTH MAY BE USED WITH CONCRETE / ASPHALT PAVING
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

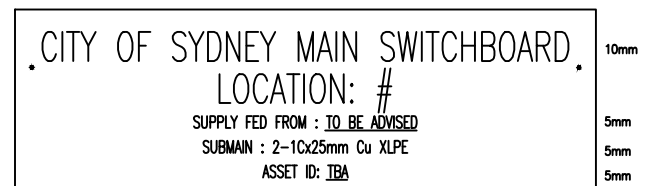
EQUIPMENT SCHEDULE				
ITEMS	ITEMS INFORMATION		QTY	TOTAL
	DESCRIPTION	PART NUMBER		
SERVICE FUSE	IPD SERIES 7 SERVICE FUSE	ACC-FUS-C1002B8W1	1	2
	FITTED WITH FUSE LINK	ACC-FUS-LRHFL-100	1	2
SINGLE PHASE METER	SUPPLIED AND FITTED BY OTHERS		1	2
SEALABLE NEUTRAL LINK	NETEC SEALABLE LINK 100A	AN100S-535-B	1	2
DOOR SWING HANDLE	STAINLESS STEEL PADLOCKABLE SWING HANDLE	GEN-HANDLE-SH-PL-316	1	2
INSULATED ENCLOSURE	CLIPSAL 24 MODULE SURFACE MOUNTING INSULATED ENCLOSURE	SN-4CF24FD	1	2
1P 12-WAY COMB BUSBAR	SCHNEIDER 1P 12-WAY 80A COMB BUSBAR	SN-BUSCOMB12P	1	2
1P 100A ISOLATOR	SCHNEIDER 1P 100A ISOLATOR	SN-A9S66191	1	2
1P 32A MCB	SCHNEIDER 1P 32A MCB 6kA C-CURVE	SN-A9F44132	1	2
1P 10A MCB	SCHNEIDER 1P 10A MCB 6kA C-CURVE (GLEBE ST SW =7 & JONES ST SW=2)	SN-A9F44110	-	9
LIGHT SENSITIVE SWITCH	SCHNEIDER IC200 LIGHT SENSITIVE SWITCH COMPLETE WITH PRE-WIRED PE CELL	SN-15284	1	2
4P CONTACTOR [C1]	SCHNEIDER 4P 25A N/O CONTACTOR 240V AC COIL	SN-A9C20834	1	2
SELECTOR SWITCH [S1]	TELUX SURFACE MOUNT CHANGEOVER SWITCH ENGRAVED AUTO-OFF-MAN	BA-M10H5MAU1	1	2
SURGE DIVERTER	LDV GKSDL SINGLE PHASE SINGLE MODE 50kA SURGE DIVERTER	LD-GKSDL1-50-275	1	2
ANTI-CONDENSATION HEATERS	IPD- 240VAC 100W HEATER	IP-RACM-100	1	2
THERMOSTAT	IPD - THERMOSTAT 1 N/C 10A 230VAC	IP-TRT-10A230-NC	1	2



LIGHTING CONTROL CIRCUIT SCHEMATIC DIAGRAM



SINGLE LINE DIAGRAM



Colour – White-Black

Size - 200x40mm

1 OFF

----- STREET OR ----- STREET

Manufactured by: MANUFACTURERE COMPANY NAME

Telephone: ----- e-mail: -----

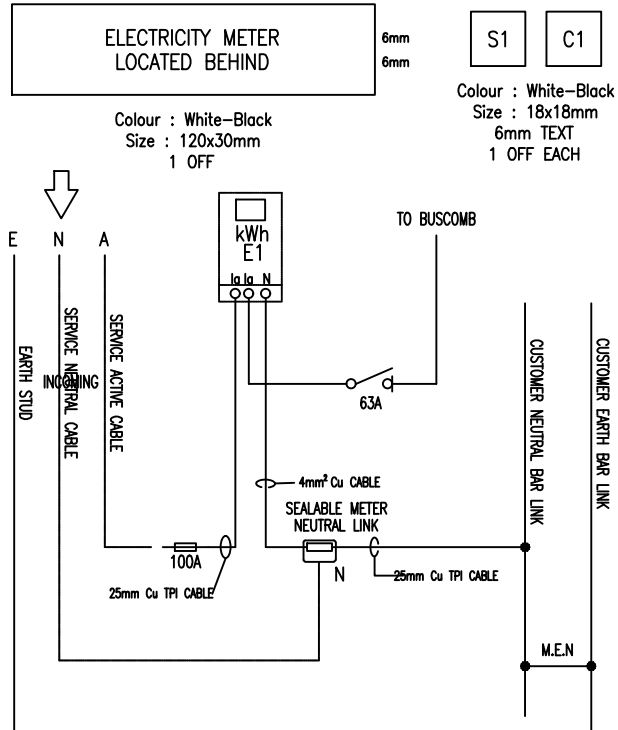
Drawing Reference: ----- Date of Manufacture: -----

Proudly Engineered & Manufactured in Australia

Colour : Blue-White-Blue

Size : 180x50mm

1 OFF



E1 METER WIRING SCHEMATIC

NOTES:

1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.7
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.