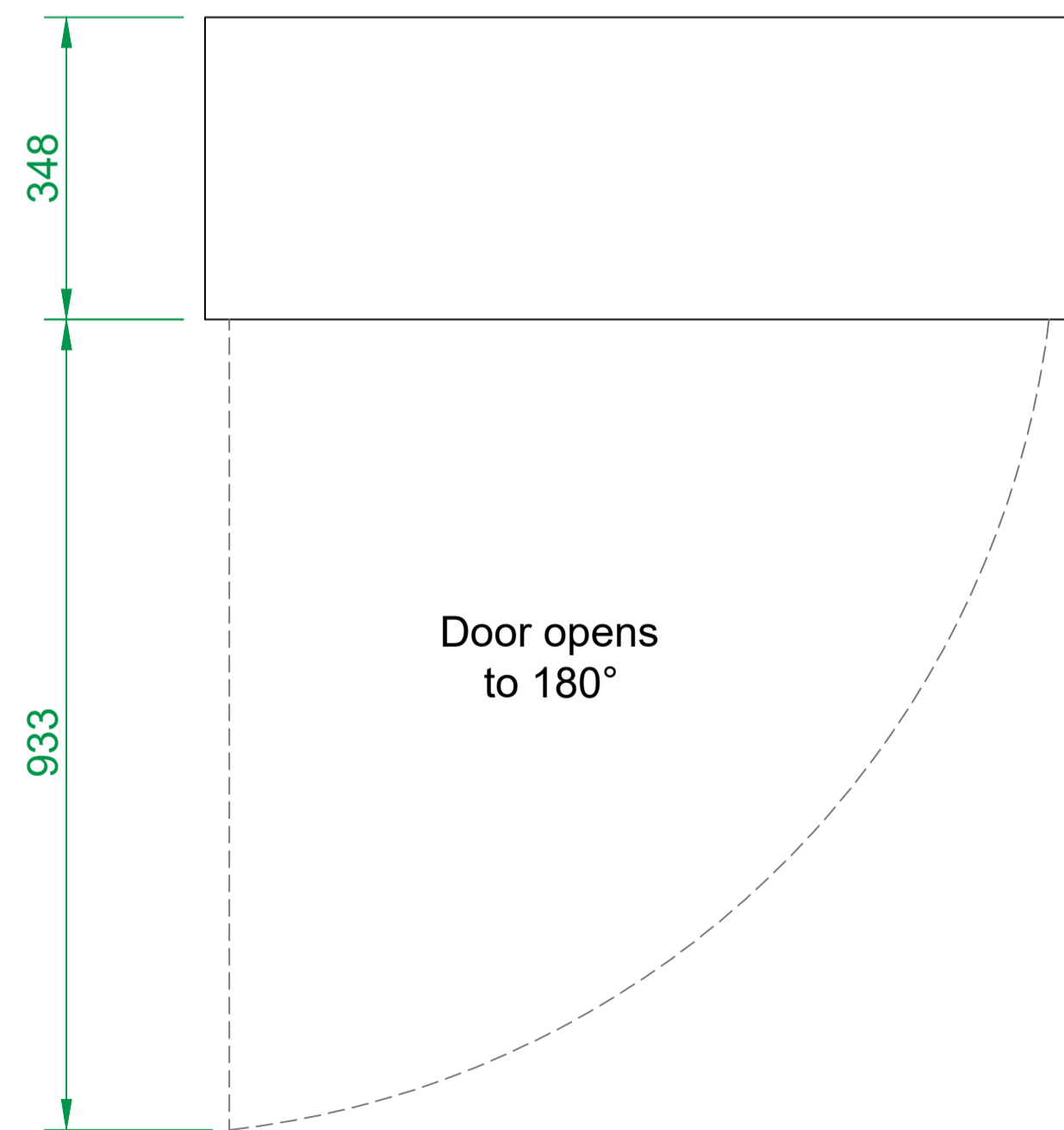


Concrete base

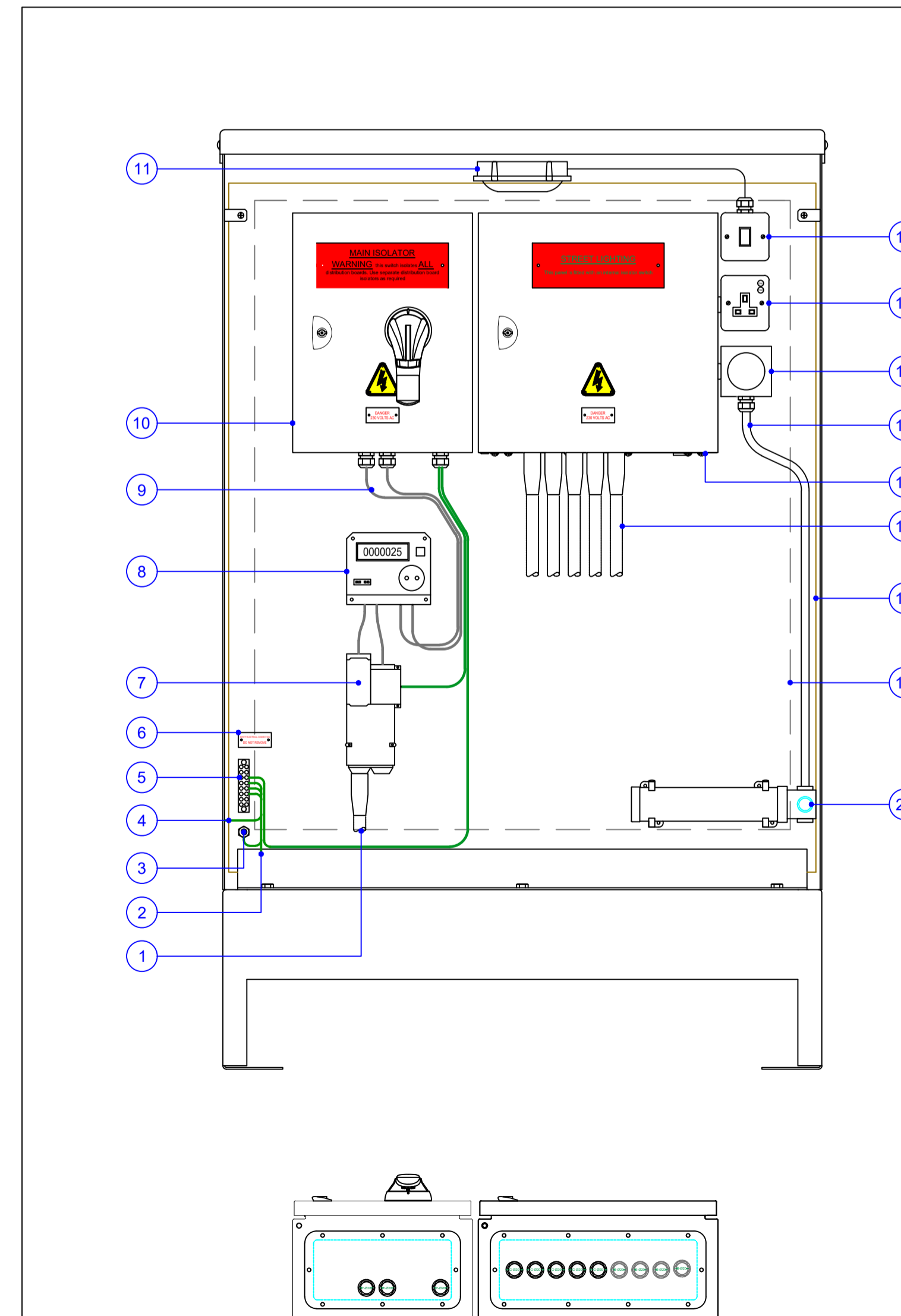
Concrete base



Door opens to 180°

PILLAR SPECIFICATION:

- Type: BDP120 Midi Pillar
- Weight: 135Kg
- Working depth: 305mm
- Door aperture: W894mm x H1050mm
- Backboard protection: 12mm fully treated plywood
- Backboard size: W980mm x H1150mm
- Construction: 3mm steel
- Corrosion protection: Hot dipped galvanised BS EN ISO 1461
- Doors: Single door
- Door Hinges: Stainless steel block
- Door locks: Tri head
- Door seal: Designed to IP55
- Root: Bolt-on (detachable)
- Root fixing holes: M10
- Door label: Hazard warning to BS 5378



ELECTRICAL:

- Incoming supply: DNO
- Operating voltage Uo: 230V AC
- Design current Ib: 100A
- Earthing: TN-C-S

LEGEND:

- 01 DNO incoming cable (by others)
- 02 Connection to earth rod if required (by others)
- 03 Earth bonding stud
- 04 Earth bonds to pillar body & doors
- 05 Earth bonding terminal block
- 06 Label electrical safety connection - do not remove
- 07 DNO cut-out SP&N =< 100A (by others)
- 08 DNO direct connection meter if required (by others)
- 09 Pre-wired D/I tails 25mm² & CPC 16mm² by 1000mm long
- 10 IP65 Metal clad enclosure fitted with 100A 2P Fuse switch disconnect with rotary padlock off handle. Fused at 50A
- 11 IP65 9w LED work light
- 12 Metal clad light switch
- 13 RCCB socket 230v 13A
- 14 Tamperproof thermostat set to 5°C
- 15 IP65 Plastic flexible conduit
- 16 IP65 Metal clad enclosure fitted with:
1 x 80A 2P internal isolator
12 x BS88 Fuse carriers =<32A
1 x Earth / Neutral bars
- 17 1 x Brass gland plate with BW glands pre-fitted
- 18 Outgoing cables (by others)
- 19 Fully treated plywood backboard
- 20 Pillar door aperture
- 20 Tubular heater 60w

PANEL ENCLOSURES - GENERAL SPECIFICATION

- Sheet steel construction 1.5mm thick
- Mounting plate sendzimir sheet steel 2.5mm thick
- Hinged door with double bit lock(s)
- Foamed-in door sealing gasket
- Concealed hinges
- 170° door opening
- Ingress protection IP66 (IEC EN EN62208; EN60529)
- Impact protection IK10 (IEC EN62208; EN62202)
- Powder coating light grey RAL7035 textured finish

NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

INSTALLATION NOTES

ONLY RECOGNISED LIGHTING CONTRACTORS SHALL BE USED FOR STREET LIGHTING AND ILLUMINATED SIGNS & BOLLARDS INSTALLATION WORKS. THEY SHALL BE APPROVED BY THE OVERSEEING ENGINEER. THEY MUST ALSO BE MEMBERS OF ASLEC AND HERS. CURRENT MEMBERSHIP NUMBERS FOR THESE BODIES MUST BE PROVIDED TO THE SUPERVISING AUTHORITY PRIOR TO APPROVAL OF THE PROPOSED LIGHTING CONTRACTOR. THE APPROVED LIGHTING CONTRACTOR SHALL NOT SUB-CONTRACT ANY PART OF THE WORKS.

THE DESIGN IS BASED ON INSTALLATION BEING CONDUCTED BY THE FRAMEWORK CONTRACTOR UNDER WORCESTERSHIRE COUNTY COUNCIL (W.C.C.) STREET LIGHTING AND ILLUMINATED ROAD TRAFFIC SIGNS MAINTENANCE CONTRACT AND NEC X12 CLAUSE.

- ALL MATERIALS SHALL BE TO THE RELEVANT BRITISH STANDARD. SITE WORKS SHALL COMPLY IN GENERAL WITH DEPARTMENT OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS, AND SHALL ALSO CONFORM TO:
- THE ELECTRICITY AT WORK REGULATIONS (1989)
 - THE HEALTH AND SAFETY AT WORK ACT
 - CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL
 - THE CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS 2002
 - THE CONSTRUCTION (DESIGN AND MANAGEMENT) (CDM) REGULATIONS 2015

ERECTION AND INSTALLATION WORKS SHALL COMPLY WITH THE CURRENT ISSUE AND AMENDMENTS OF BS7671: 18TH EDITION IET WIRING REGULATIONS 2018 REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, THE CURRENT EDITIONS OF THE ILL CODE OF PRACTICE FOR ELECTRICAL SAFETY IN PUBLIC LIGHTING OPERATIONS AND THE CODE OF PRACTICE FOR THE ERECTION OF STREET LIGHTING PUBLISHED BY THE ASSOCIATION OF STREET LIGHTING ELECTRICAL CONTRACTORS.

ALL MATERIALS AND EQUIPMENT SHALL COMPLY WITH W.C.C. SPECIFICATION. ANY MATERIALS OR EQUIPMENT PROPOSED BY THE CONTRACTOR SHALL BE SUBMITTED TO W.C.C. FOR APPROVAL BEFORE ANY PURCHASE AGREEMENT IS ENTERED INTO.

EXACT LOCATION OF UNITS TO BE AGREED WITH W.C.C. REPRESENTATIVE BEFORE INSTALLATION.

THE ROOT SECTION IS TYPICALLY PLANTED BELOW GROUND AND BOLTED TO A SECURE CONCRETE FOUNDATION.

FOUNDATION SIZE AND CONCRETE MIX TO BE SPECIFIED BY A CIVIL ENGINEER WITH RESPECT TO PILLAR SIZE, WEIGHT, SITE LOCATION, AND GROUND SOIL CONDITIONS.

THIS STANDARD DETAIL CONSTITUTES A GENERAL EXAMPLE ARRANGEMENT AND IS FOR INFORMATION/GUIDANCE ONLY. ALL EQUIPMENT SHOULD BE DESIGNED TO SUIT THE INDIVIDUAL REQUIREMENTS OF THE PROJECT IN QUESTION. THIS INCLUDES DESIGN DETAILS SUCH AS, BUT NOT LIMITED TO, FEEDER PILLAR SIZE, CIRCUIT DESIGN, COLUMN DOOR HEIGHT, DUCT ARRANGEMENT ETC

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P01	27/03/2023	FOR COMMENT AND REVIEW	JA	SW	SS	TB

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Client
worcestershire county council

Project
WCC
STANDARD DETAILS

Drawing title
**FEEDER PILLAR
STANDARD DETAIL
SHEET 1 OF 3**

Drawing status
FOR REVIEW AND COMMENT

Scale	1:1750 @ A1	DO NOT SCALE
Jacobs No.	B2367205 A.CS.OE.NA.40	Rev
Client no.	WCC	P01

Drawing number
B2367205-SD-DR-HEL-1401.1

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