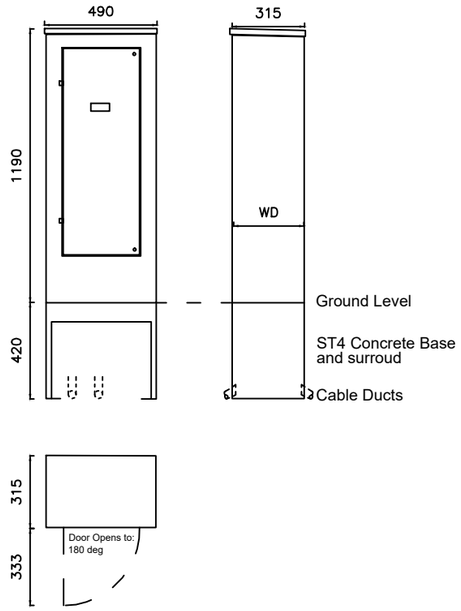
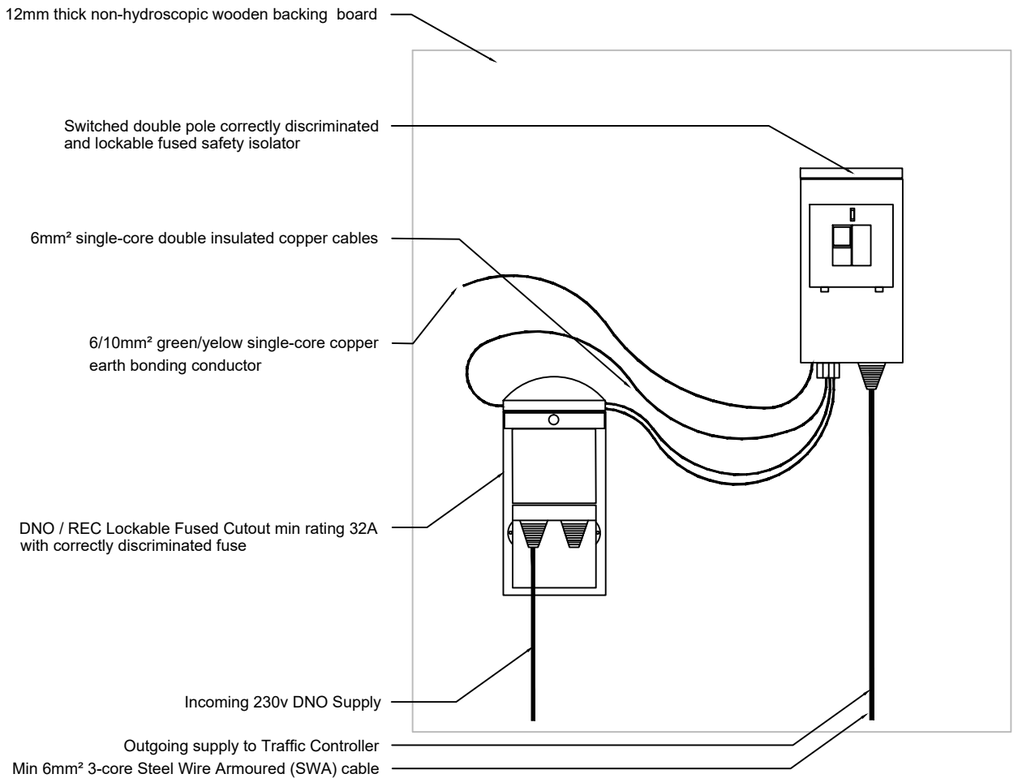


Type:	BDP60 Mini / Mini Pillar
Working Depth:	205mm
Door Aperture:	Single W 244mm x H650mm
Backboard Protection:	12mm Fully Treated Plywood
Backboard Size:	W 330mm x H 750mm
Construction:	3mm Steel
Corrosion Protection:	Hot Dipped Galvanised BS EN ISO1461
Finish:	Black Powder Coat - Hazard Warning
Hinges:	Stainless Steel Block
Door Locks:	Tri Head
Root:	Bolt On Detachable

FEEDER PILLAR DETAIL



POWER SUPPLY DETAIL

NOTES GENERAL:

1. All dimensions are in millimeters unless otherwise stated.

2. Ducting between pillar and controller 50/100mm diameter, Orange, high-impact resistant smooth walled inside, with a minimum wall thickness of 5mm.

3. Incoming DNO service duct, 50/100mm diameter, Black high-impact resistant smooth walled inside, with a minimum wall thickness of 5mm.

4. External mains power cabinet to be hinged door opening pillar or equivalent. To be agreed with GCC.

5. Refer to drawing No. **GCC-SD-007** for Access Chamber Details.

6. ST4 concrete surround is to be formed using shuttering to produce a squared off finish level with the surrounding ground. Surface to be brush textured, with a trowelled bullnose outer edge. In made ground, reinstatement is to match surrounding area.

7. Refer to drawing No.'s **GCC-SD-002** & **GCC-SD-003** for details of cabinet installations.

8. Adequate clearance shall be provided between the cabinets and any adjacent structures to ensure all doors can fully open without obstruction & to provide unobstructed access for engineering work. Cabinets shall be set back from Road Restraint systems by the specified safe working distance of the barrier. Where controller access chambers are located outside of the immediate hardstanding the footprint of the hardstanding area shall be increased accordingly.

9. Where possible the mini feeder pillar should be located between 3m & 5m from the controller or nearest additional cabinet and ideally at back of highway to reduce risk of both controller and feeder pillar from being damaged in a vehicle collision.

NOTES ELECTRICAL:

1. Controller supply cable fitted by signal contractor shall be 2-core and earth 6mm² terminated in approved double-pole fused safety isolator rated at 32 Amps into controller isolator.

2. Where an earth rod is required, an earth rod enclosure should be incorporated into the concrete plinth. Electrical installation to be in accordance with 18th edition of wiring regulations.

3. Earthing arrangements for controllers, cabling and other equipment and enclosures shall comply fully with the requirements of the latest edition of BS 7671, the requirements of the Regional Electricity Company.

4. Earth conductors shall comply with section 543 of BS 7671 and shall not be less than 16mm².

5. Cable glands shall be of the brass compression type in accordance with BS6121.

6. The input supply cutout in the controllers shall incorporate a high breaking capacity fuse carrier and fuse to BS 88 or BS 1361 of the correct rating (normally 40 Amps).The rating shall be specified by the Contractor to comply with the requirements of Regulation 413-5 of BS 7671. The maximum earth loop impedance shall be as stated in Table 4.1A1 of BS 7671. Junction and Crossing controller requirement may vary.

7. The contractor must ensure that adequate discrimination is provided to allow any protective devices i.e. RCDs and Fuses, to fail sufficiently under fault condition to comply with BS7671 regulations from the point the supply is provided by the R.E.C.

8. The cases of all fuses shall be labeled to show the correct fuse rating. Re-wireable fuses shall not be used.

9. The incoming supply to the feeder pillar shall be DNO/REC undergrounf jointed concentric cable.

10. Where the incoming supply is designed as part of a site wide electrical system incorporating additional feeder pillars or sub-stations the design must be approved by GCC street lighting and traffic signal sections. Traffic signal controller electrical supplies forming part of site wide electrical systems must have a separate direct cable not shared with any other sign or lighting systems with approved and correctly discriminated safety isolation.

11. 400v supplies and cabinets shall only be accessed by suitable qualified engineers and must not for part of the traffic signal asset.

12. Contractor to supply equipment and cable designs for GCC approval prior to installation.

Gloucestershire COUNTY COUNCIL

GCC - STANDARD DRAWINGS

SERIES 1200

TYPICAL FEEDER PILLAR & POWER SUPPLY DETAIL

Rev	By	Chkd	Apprvd	Date	Description

Drawn by:	DWW	Date:XXXX
Checked by:	SW	Date:XXXX
Approved by:	MB	Date:XXXX
Drawing No.	GCC-SD-011	
Drawing Scale:	NTS	