

Technical drawing of the RFR 2000 door. The drawing shows a side view of the door with dimensions in millimeters. The overall height is 3100 mm, and the overall width is 2400 mm. The door is divided into two main sections: a top section with a height of 2200 mm and a bottom section with a height of 200 mm. The top section is labeled 'full width swinging doors for changing RFR switch gear'. The bottom section is labeled 'Threshold'. The door has 'Lifting eyes' at the top. The door is shown in a closed position, with the handle and lock mechanism visible on the right side. The drawing includes labels for 'gutter', 'overlap', and 'AP pressure relief vent size 420x420'.

3313

MIN. INTERNAL HEIGHT 2800mm

2434

Supports mounted for SCADA antenna

110mm Suspension Cable installation

Support mounted for metering antenna

200

3100

200

ø20 metering antenna cable entry

50

1000

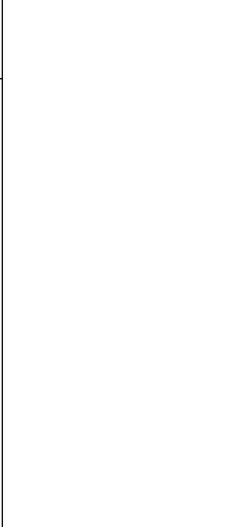
1000

400

400

see detail 1

Lifting eyes

[illegible][illegible]

Technical drawing showing the layout of a door and its associated components. The drawing includes dimensions and labels for various parts:

- Dimensions:**
 - Overall width: 3109
 - Overall height: 2719
 - Door width: 2103
 - Door height: 2103
 - Door offset from left wall: 910
 - Door offset from right wall: 910
 - Door offset from bottom wall: 425
 - Door offset from top wall: 425
 - Door offset from left wall (to door frame): 1780
 - Door offset from right wall (to door frame): 1780
 - Door offset from bottom wall (to door frame): 100
 - Door offset from top wall (to door frame): 100
 - Door offset from left wall (to door frame): 100
 - Door offset from right wall (to door frame): 100
 - Door offset from bottom wall (to door frame): 100
 - Door offset from top wall (to door frame): 100
- Labels:**
 - for outdoor light cable
 - Ø20
 - 376
 - extract fan with damper
 - for PIR light cable
 - Ø20
 - 376
 - Emergency door isolated door with three point locking and push bar
 - External dimensions: 2103x2103
 - Emergency door isolated door with three point locking and push bar
 - External dimensions: 2103x2103

top view

side view

inside outside

inside outside

100

690

Ø 40mm steel duct

Ø 20mm steel duct

Ø 40mm steel duct

3000

3m of hard standing
outside double door
min. 250mm
Type 1 material

Metering:

- A recessed meter compartment is provided to install metering, accessible only from the outside via a weather proof door with standard triangle lock.
- There is a cable entry from outside to allow the metering antenna cable to pass through.

Access:

- The switch-room is accessible by two side doors (external dimensions: 2100x910) and one double swing door at the front (2400x2200mm).

The metering cubicle is accessible by one side door. No direct access between metering cubicle and switch room is possible.

The side doors can swing 90° and are fitted with 30° top open lock system. Provision is made for the WPD to fit Euro lock barrels to suit the switch room specifications. The double front doors can swing 270° with 2 Euro lock mortice type style 5 lever locks. The front doors are insulated with 100mm Kingspan/Celotex insulation.

Each side door opens outwards and is fitted with an internal panic push bar handle.

Openings:

- Cable entries are cut in the building floor to allow cables to be terminated in the switch gear.
- Opening is provided for the trap door in the floor in front of the switchgear in order to access the cable basement. The trap door consists of a removable floor panel with handles (provided).

Ventilation:

Passive ventilation is provided on the side wall, at least 8000mm² as specified in WPD switch room specifications. The opening is protected by a grille to prevent any intrusion.

Active ventilation with damper is provided as an alternative to passive ventilation, as required by the WPD. Air pressure relief vents are fitted above the double doors which is at rear of switchgear. A dehumidifier will be fitted as standard equipment.

OVERPRESSURE VENTS

DOUBLE DOOR 2200X2400

DOORS EXTERIOR 2100X910

weather

5" PITCH

GUTTER & DOWNPIPE

switch room is possible.

OPTIONAL SUPPORTS MOUNTED FOR ANTENNA

METER CASE

General Notes

Chequer plate floor on steel beams
 Load bearing capacity 5.0kN/m²
 Insulation min. 100mm ROCKWOOL
 Size and spacing of the beams to be defined by the manufacturer, except where the support for the Circuit Breaker is specified

Elevation Drawing Details:

- Overall Dimensions:**
 - Height: 6048
 - Width: 1260
- Vertical Dimensions (from top):**
 - 6048 (Total height)
 - 152 (Top section height)
 - 1209 (Middle section height)
 - 202 (Bottom section height)
 - 1330 (Total height from bottom of insulation to top of chequer plate)
 - 1000 (Height of removable floor panels)
 - 150 (Height of base insulation)
- Horizontal Dimensions (from left):**
 - 6048 (Total width)
 - 152 (Left side offset)
 - 464 (Left side offset)
 - 152 (Right side offset)
 - 464 (Right side offset)
 - 1260 (Total width)
- Key Features and Callouts:**
 - removable floor panels to slugs, chequer plate** (Pointing to the top section of the floor)
 - Circuit breaker support steel beams 150x90x24 PFC** (Pointing to the bottom section of the floor)
 - 152x152x23** (Callout for the top section of the floor)
 - 150x90x24** (Callout for the bottom section of the floor)

180mm

STIFF BASE

Chequer plate 5mm
Steel beams
Insulation - ROCKWOOL 100mm
Steel sheet 1.5mm

464 464
630 630

152x152x23 UC 150x90x24 PFC


2434

Details of the building structure to be defined by the manufacturer

Rev.	Modification	Date	Name
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1.50 (A2)	12.01.15	Checked by: CG
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Status: Draft Approved Construction DRAFT

 Generic

DNOC	
DNOC 2000-2001	2000-2001

Wiltshire SN6 7AA	081214
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