



NORTH

OAKBANK ROUNDABOUT

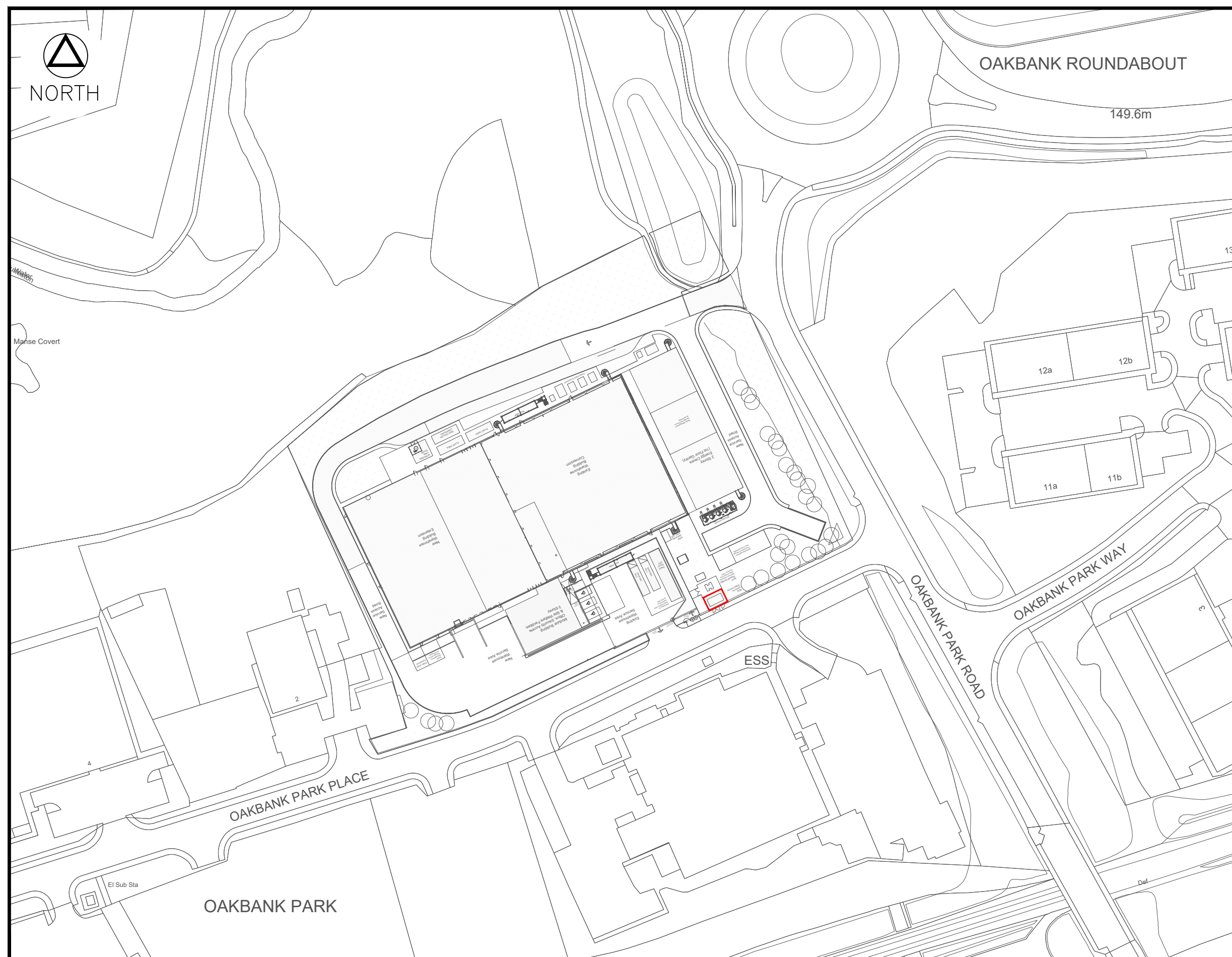
149.6m



PROPOSED SUBSTATION


O.S. GRID REFERENCE: E307031, N665704

BASED UPON O.S.NT...0765...
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Rev	Date	Drawn	Check'd	Appr'd
A	20.01.20	SJH	LL	LL

EXISTING UNDERGROUND CABLES
REMOVED. DRAWING SCALE CHANGED.
SUBSTATION HIGHLIGHT ADDED



SP ENERGY NETWORKS
55 FULLARTON DRIVE,
CAMBUSLANG,
GLASGOW
G32 8FA
TELEPHONE: 0845 270 0785

Client

Drawn	Check'd	Appr'd	Scale	Date
SJH	LL	LL	1:1250	07.01.21

ScottishPower Reference:
ESC98123

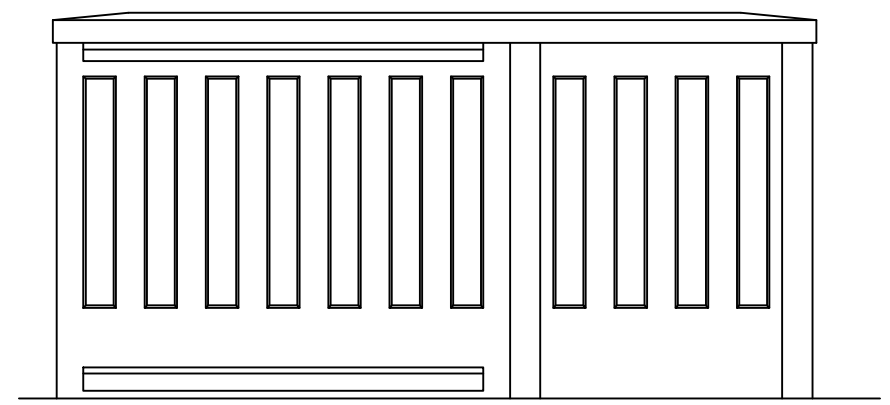
Project
VALNEVA, UNIT 1
OAKBANK PARK ROAD, LIVINGSTON

Title
LOCATION
PLAN

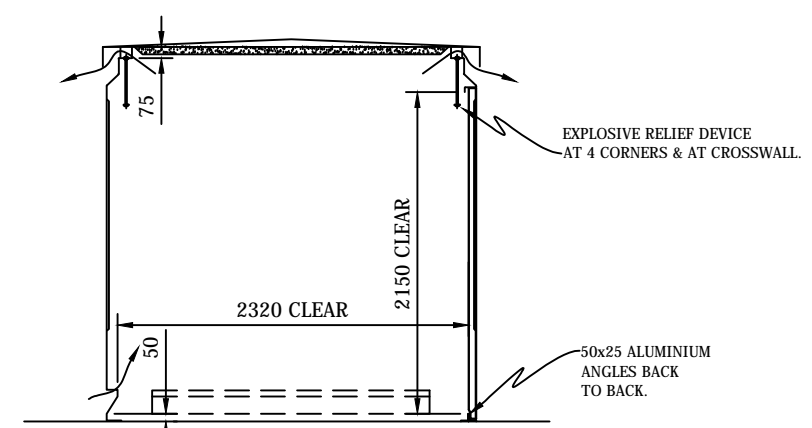
Status
LOCATION

Drg. No.
ESC98123-(1)-004

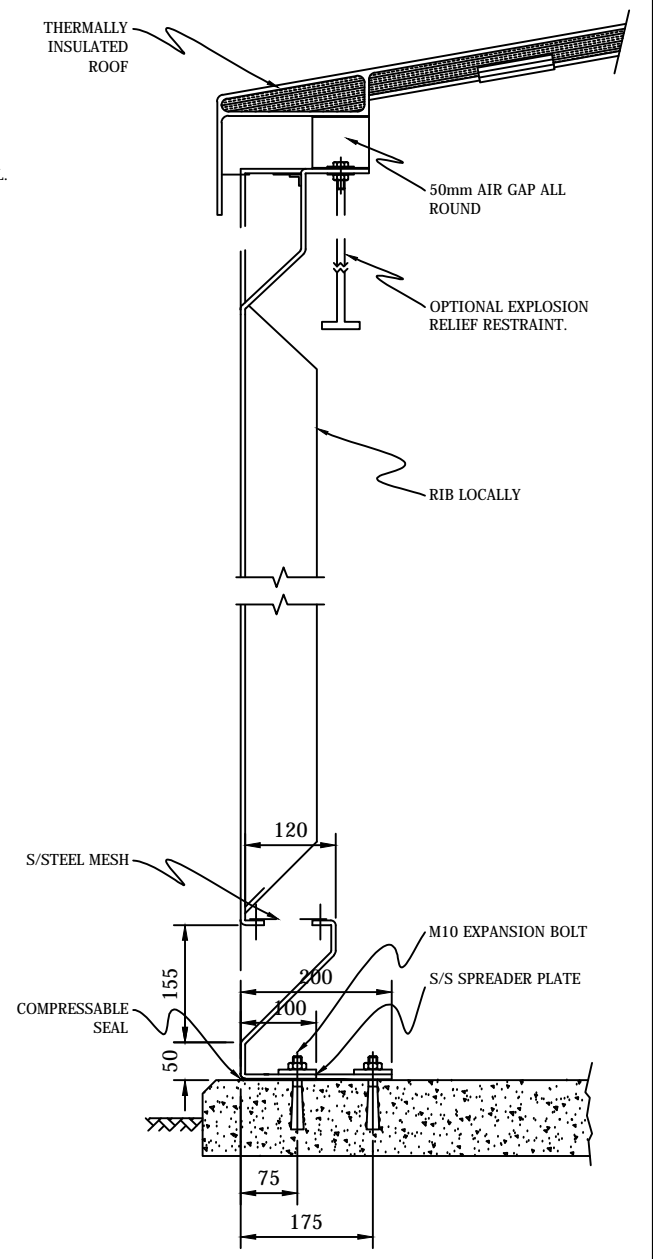
Rev.
A3
A



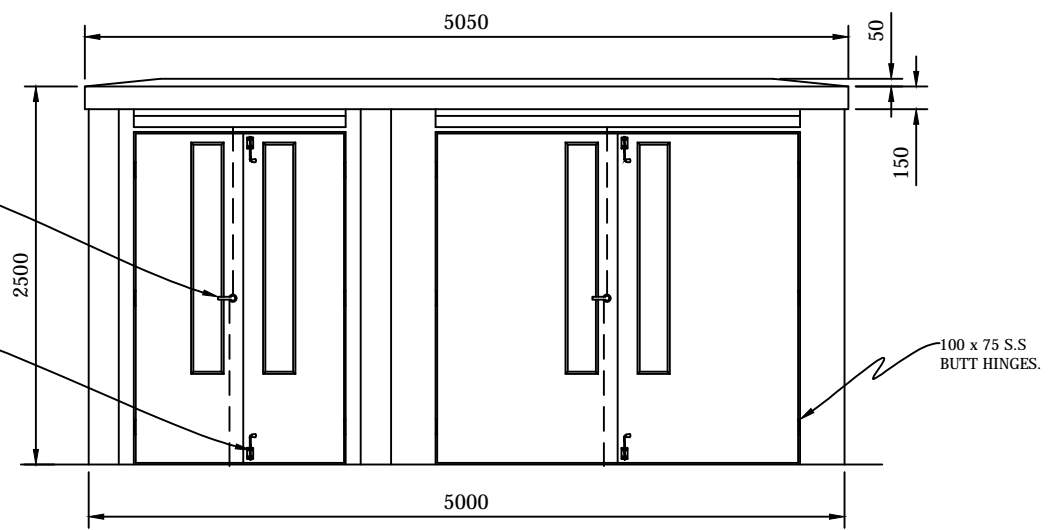
VIEW B



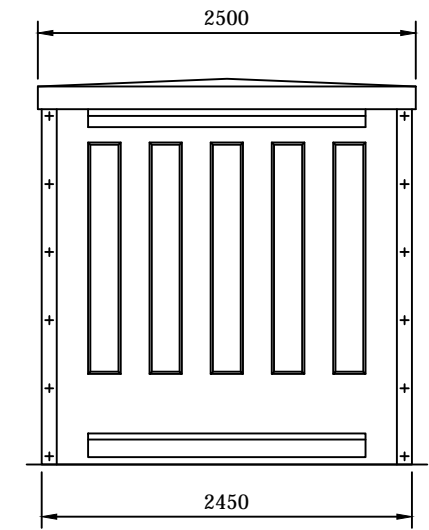
SECTION A-A



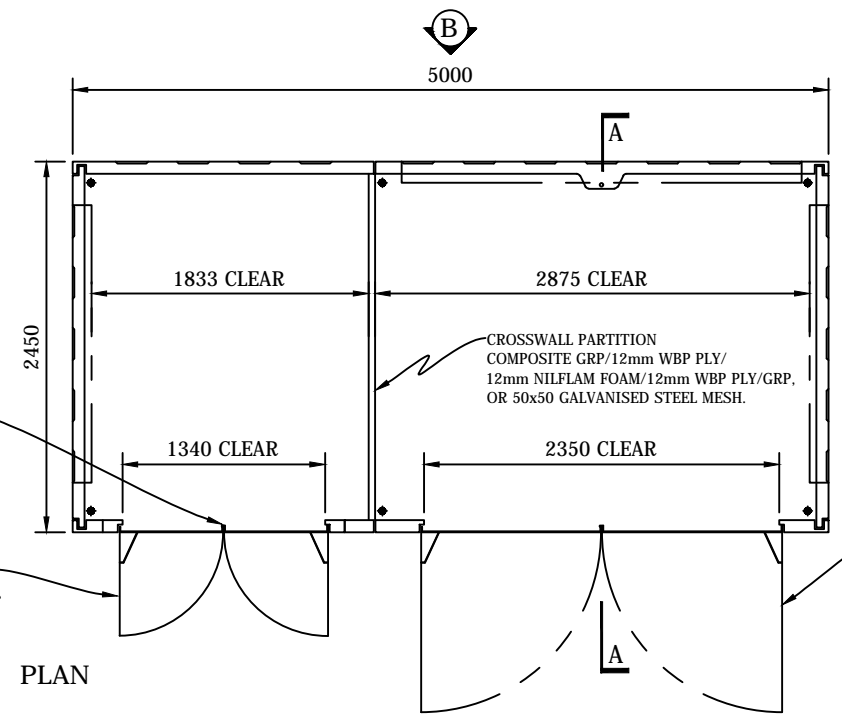
TYPICAL WALL SECTION



VIEW A



VIEW C & D



PLAN

NOTE:
ENCLOSURE CAN BE SUPPLIED
WITH SMALL COMPARTMENT
ON THE LEFT HAND SIDE OR
RIGHT HAND SIDE.

LEFT HAND SIDE DRAWN.

NOTE: DOOR STAYS
TO HOLD AT 90°
& ALLOW OPENING
THRO' 180°.

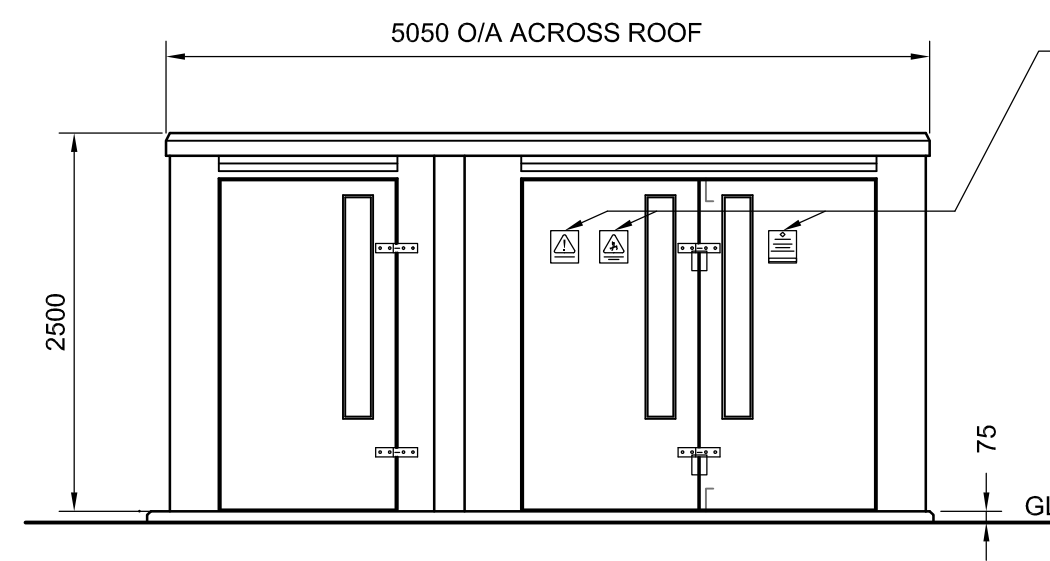
KINPARS INDUSTRIAL PLASTICS LTD
WHITLAW ROAD INDUSTRIAL ESTATE
LAUDER SCOTTISH BORDERS TD2 6QA



TELEPHONE: 01578 718855
FACSIMILE: 01578 718844
EMAIL: admin@kinpars.co.uk
WEB: www.kinpars.co.uk

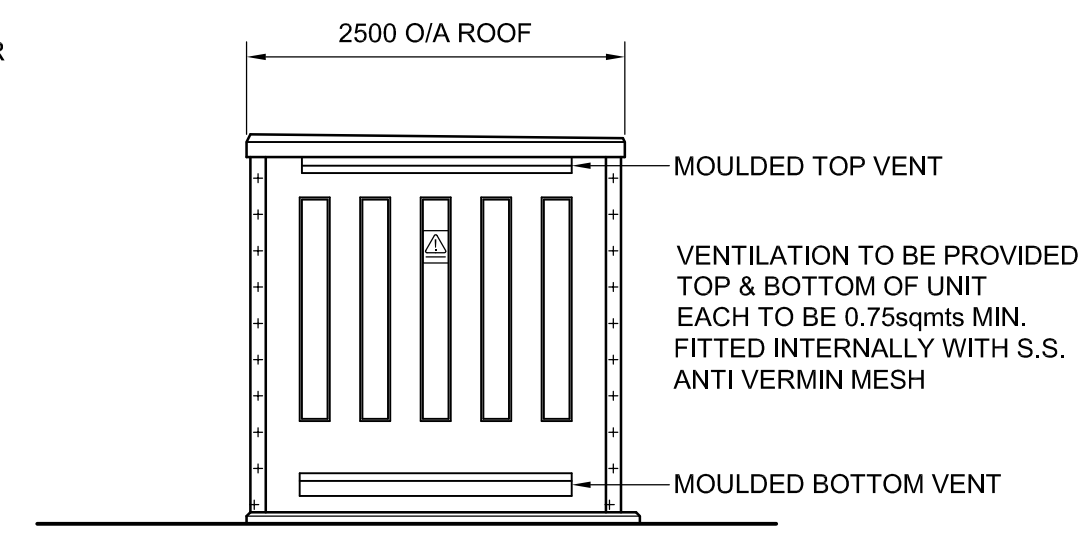
CLIENT	SPEN		
PROJECT	UNIT SUB-STATION WITH ADJACENT METERING EQUIPMENT		
TITLE	TYPE B		
DRG No	SPEN-GRP-B		

DATE	SCALE	SHEET	REVISION
2018-05-14	1:50 & 1:10		



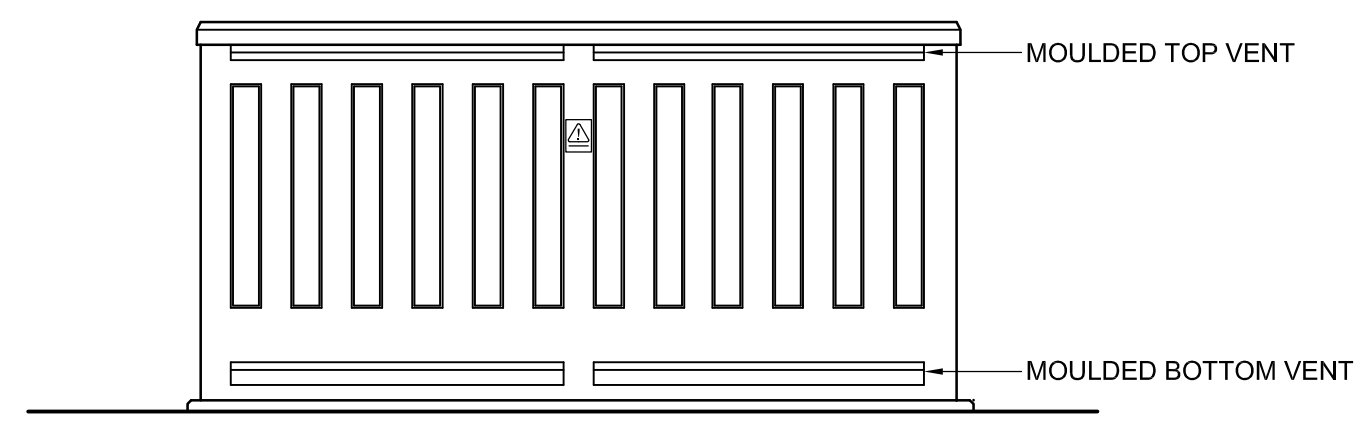
FRONT ELEVATION

WARNING/INFORMATION NOTICES
DANGER SIGN, CONTACT NUMBER
AND SF6 EQUIPMENT WITHIN

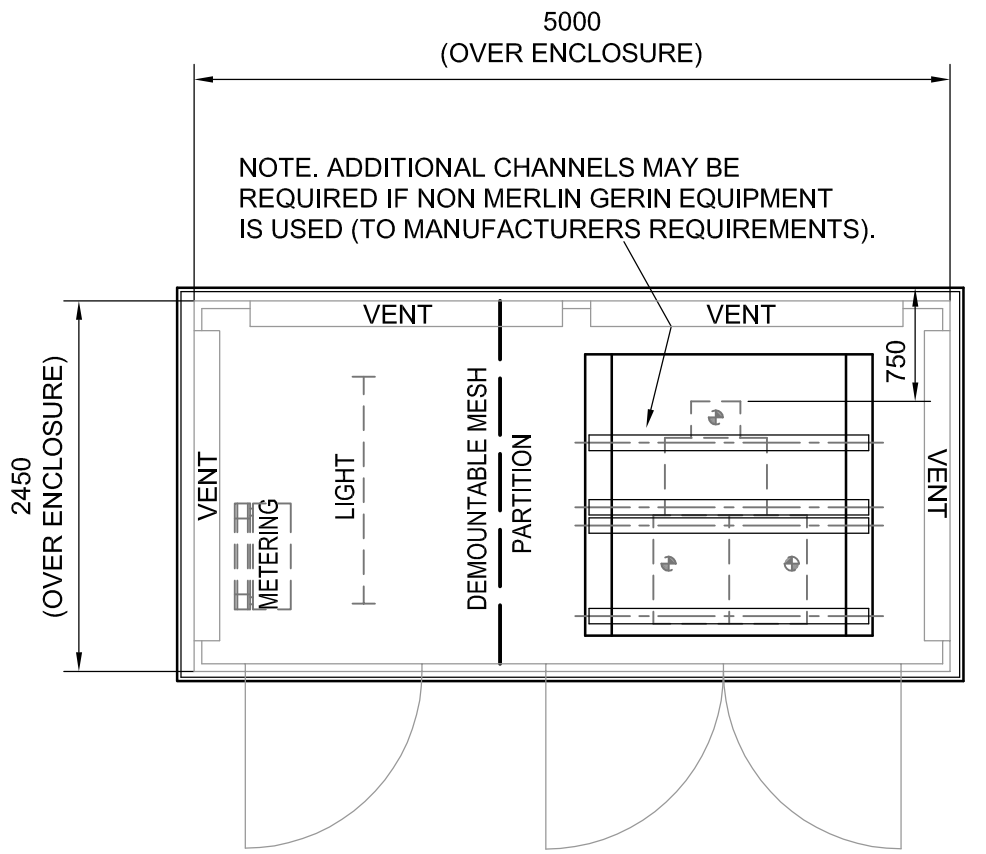


SIDE ELEVATION
OPPOSITE SIDE IDENTICAL

VENTILATION TO BE PROVIDED
TOP & BOTTOM OF UNIT
EACH TO BE 0.75sqmts MIN.
FITTED INTERNALLY WITH S.S.
ANTI VERMIN MESH

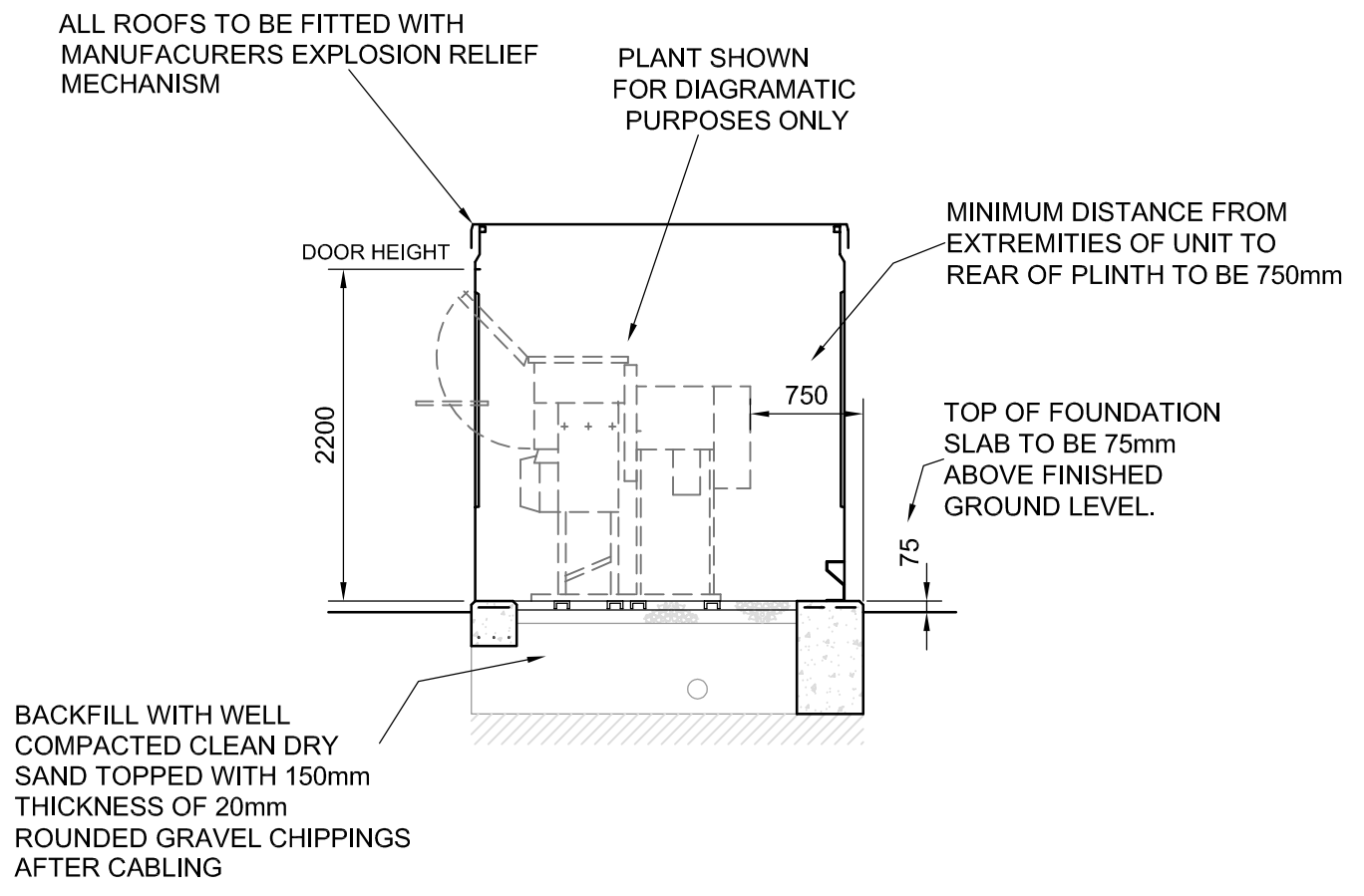


REAR ELEVATION



PLANT LAYOUT PLAN

NOTE. ADDITIONAL CHANNELS MAY BE
REQUIRED IF NON MERLIN GERIN EQUIPMENT
IS USED (TO MANUFACTURERS REQUIREMENTS).



PLANT SECTION

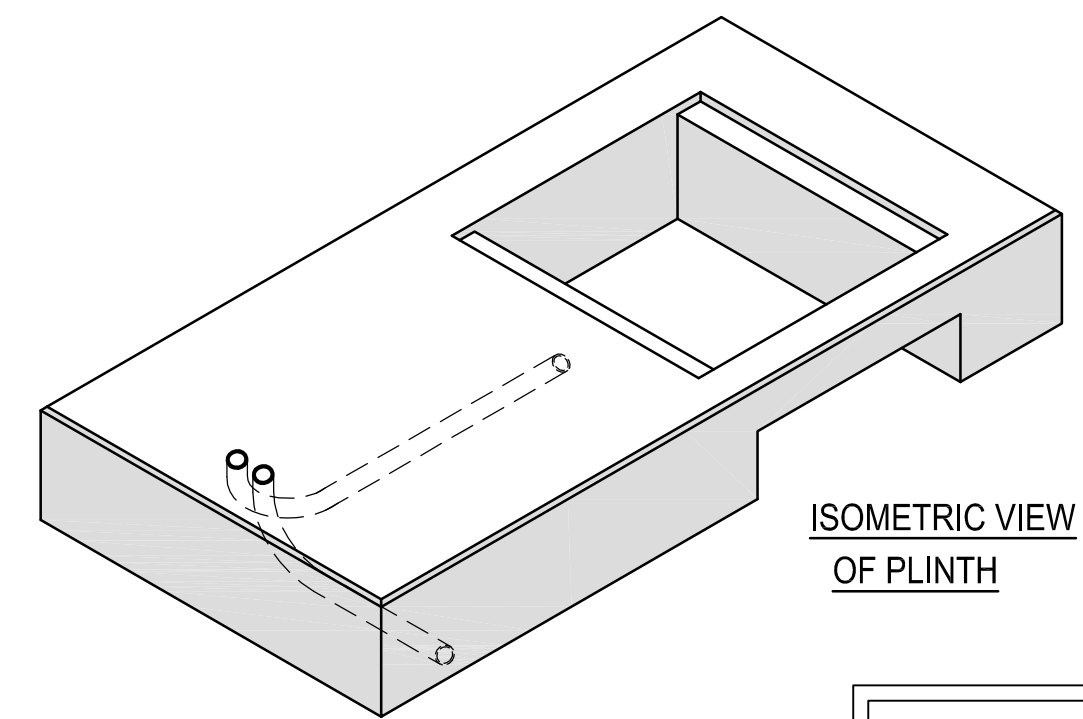
ALL ROOFS TO BE FITTED WITH
MANUFACTURERS EXPLOSION RELIEF
MECHANISM

PLANT SHOWN
FOR DIAGRAMATIC
PURPOSES ONLY

MINIMUM DISTANCE FROM
EXTREMITIES OF UNIT TO
REAR OF PLINTH TO BE 750mm

TOP OF FOUNDATION
SLAB TO BE 75mm
ABOVE FINISHED
GROUND LEVEL.

BACKFILL WITH WELL
COMPACTED CLEAN DRY
SAND TOPPED WITH 150mm
THICKNESS OF 20mm
ROUNDED GRAVEL CHIPPINGS
AFTER CABLING



ISOMETRIC VIEW
OF PLINTH

ENCLOSURE ONLY SUITABLE WHEN
ERECTED AT A DISTANCE OF ONE
METRE OR GREATER FROM BOUNDARY

NOTES

CONCRETE
THE CONCRETE TO BE IN ACCORDANCE WITH THE SPECIFICATION
AND ATTAIN THE RELEVANT CUBE CRUSHING STRENGTH AT 28 DAYS.

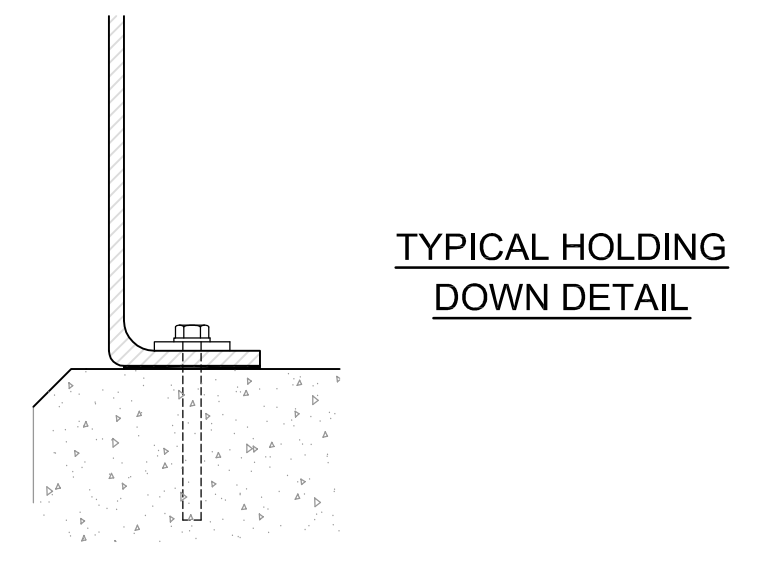
EARTHWORKS
PLINTH TO BE SET ON UNDISTURBED INORGANIC STRATA
THAT PROVIDE THE REQUIRED MINIMUM DESIGN SAFE
GROUND BEARING CAPACITY.

PLINTH (CONCRETE 40N/mm² 28 DAY CUBE STRENGTH)
A FLAT, LEVEL AND SMOOTH FLOOR SURFACE IS ESSENTIAL
FOR INSTALLATION OF PLANT. TOLERANCE TO FINISHED
LEVEL EXPRESSED AS A MAXIMUM PERMISSIBLE DEVIATION
BENEATH A STRAIGHT EDGE WITH FEET PLACED ANYWHERE
ON THE FLOOR SHALL NOT EXCEED 1mm IN 1M OR 3mm IN 3M.

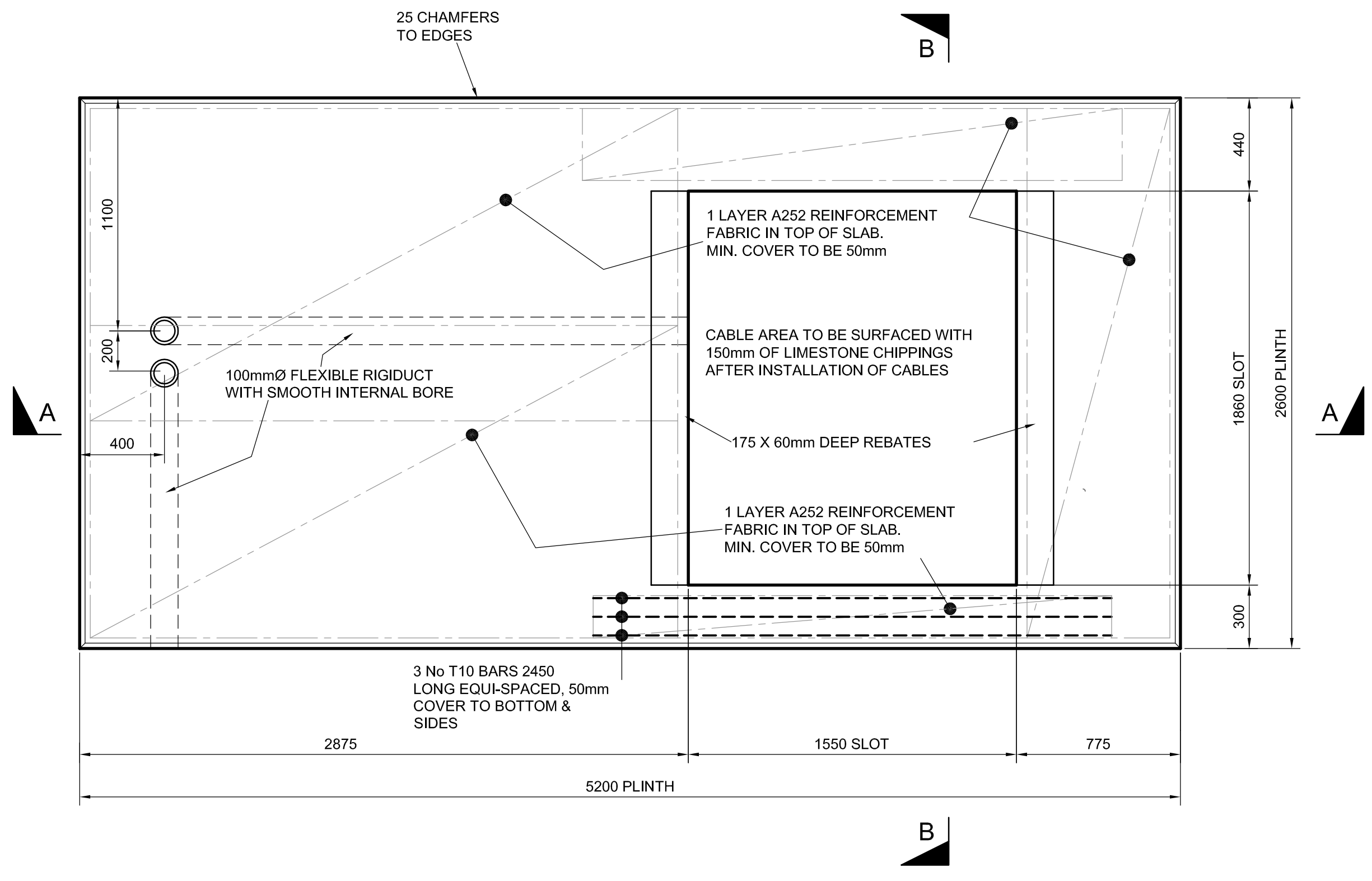
CABLE SLOT
ON COMPLETION OF CABLING, CABLE AREA TO BE
FILLED WITH DRY SAND AND TOPPED WITH
150mm DEPTH OF 20mm ROUNDED GRAVEL CHIPPINGS

FOUNDATION & FLOOR LAYOUT DETAILS INDICATED ARE TYPICAL
FOR UNIT SUBSTATIONS HOUSING OUTDOOR EQUIPMENT
AND WOULD NOT THEREFORE BE APPLICABLE TO OTHER
SUBSTATION TYPES.

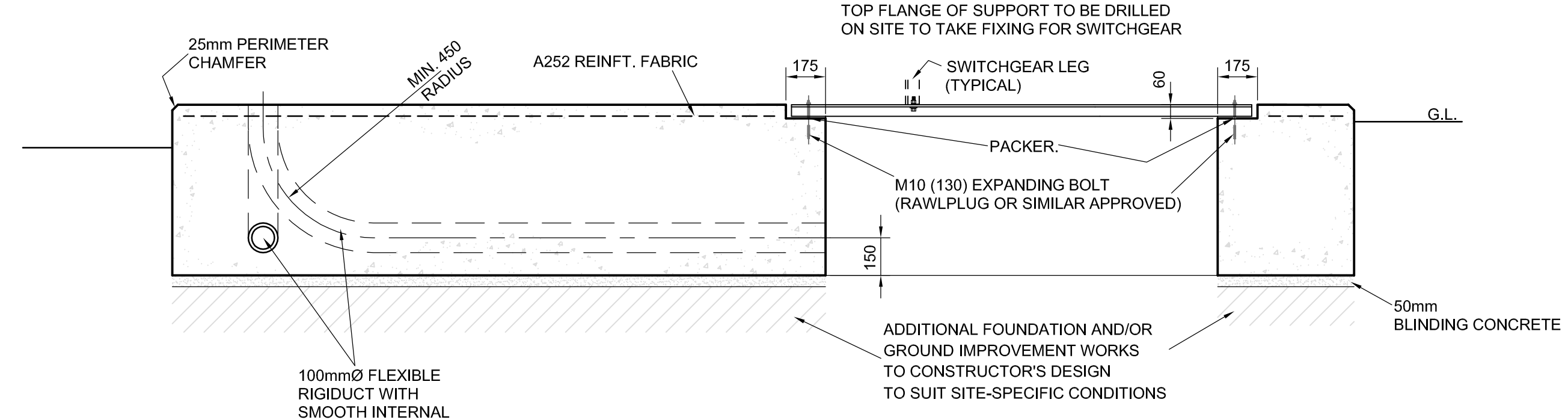
**THIS DRAWING TO BE READ IN CONJUNCTION WITH
SUB-03-017 'GENERAL SPECIFICATION FOR THE
CIVIL ENGINEERING AND BUILDING DESIGN AND
CONSTRUCTION OF SECONDARY SUBSTATIONS'**



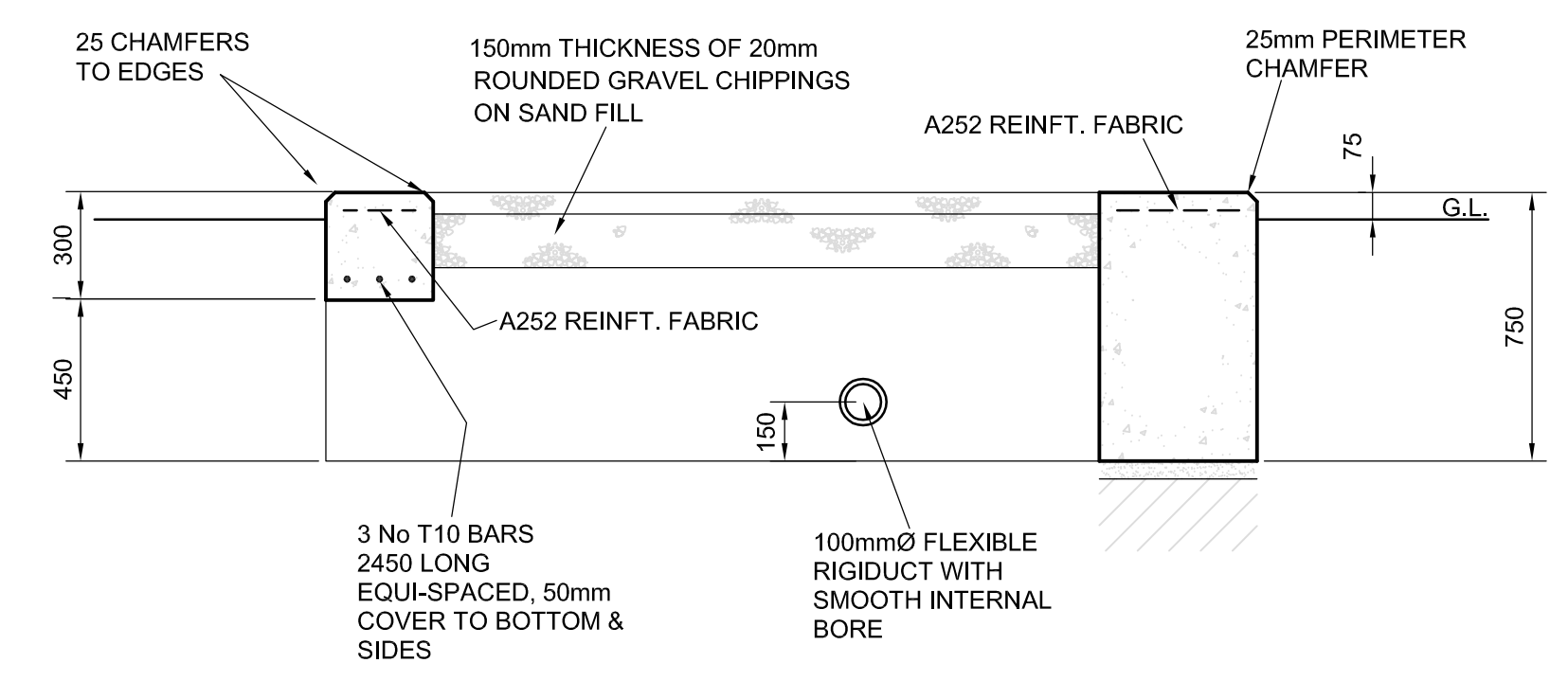
TYPICAL HOLDING
DOWN DETAIL



FOUNDATION PLAN
SCALE 1:20



SECTION A - A
SCALE 1:20



SECTION B - B
SCALE 1:20

Rev.	Date	UPDATED.
5.0	MAR.2010	
Drawn	M.T.	
Checked	C.W.	
Approved	A.J.R.	



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System Design, Drawing Office
3 Prenton Way, Prenton, CH43 3ET
Telephone 0151 6092491

**TYPICAL FOUNDATION PLINTH FOR 11KV UNIT SUBSTATION
RMU WITH METERING, 5.0 X 2.5M GRP ENCLOSURE**

Location TYPICAL					
Drawn	Date	Checked	Date	Approved	Date
SPEN	27/03/96	SPEN	27/03/96	SPEN	27/03/96
Status	FOR ISSUE			Drg. No.	Rev.
				SP2142493	5.0
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				1:50	A1