

APPENDIX 5 M&E METHOD STATEMENT

METHOD STATEMENT (Revision O)**Camden Development Control Planning Services Details****Description of Works**

A variable refrigerant volume (VRV), heat pump system is to be installed at the site of 46-47 Russell Square, London, WC1B 4JP. This will require the removal of the existing boiler and radiators throughout the building and the installation of 55 No. of indoor VRV units, 4 No. externally mounted condenser units and associated pipe work connections. New, plain, electric panel heaters shall be installed in the common parts.

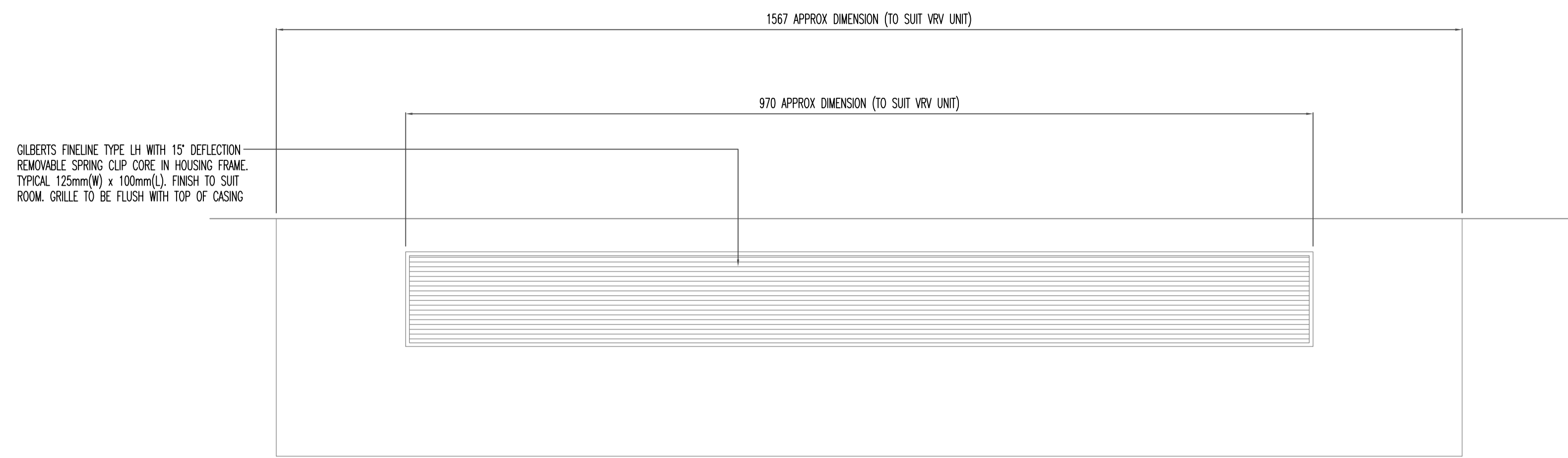
All 4 No. units will be sited in the rear light well at basement level. The indoor units are to be chassis type, floor mounted around the building perimeter, within joinery casings as per TPS drawing TPS/46-47RS/VRV/J, on the basement, ground and first floor. The units on the second and third floor are to be proprietary chassis mounted units with steel casings as per TPS drawing TPS/46-47RS/VRV/M. The indoor units will be installed over six floors, from the basement to the fourth floor, utilising an existing riser and joist notches for the refrigerant pipework distribution.

Refrigerant and condensate pipework runs to and from the VRV units will be placed in notches in the floor joists. The pipe runs will not show any external features and any notches made, will be made good and structurally sound via the addition of a metal plate, fitted and secured to the joist over the notch position as detailed in the timber notch plate drawing 46-47RS-TN1. In general, the pipework shall be installed within the existing joist notches where possible.

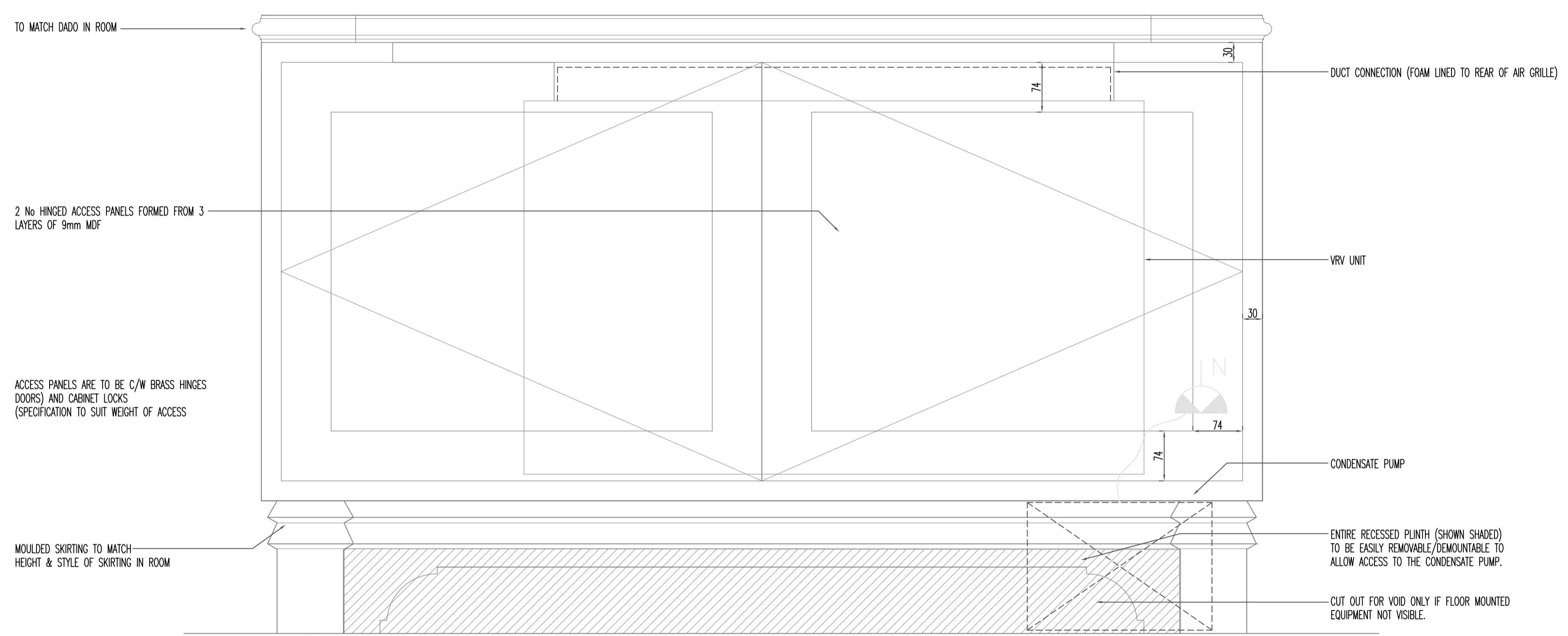
Existing, redundant pipe work running across the joists will be removed and a repair will be made as detailed in the timber notch repair drawing 46-47RS-TN2.

An environmental noise survey was undertaken at 46-47 Russell Sq, London by Clarke Saunders Acoustics between Monday 14th December and Wednesday 16th December 2015 in order to establish any noise implications from the VRV plant, as explained in the attached document; Noise Impact Assessment Report. Compliance with the noise emissions design criteria requirements of Camden Council has been demonstrated and no further mitigation measures are, therefore, required for external noise emissions.

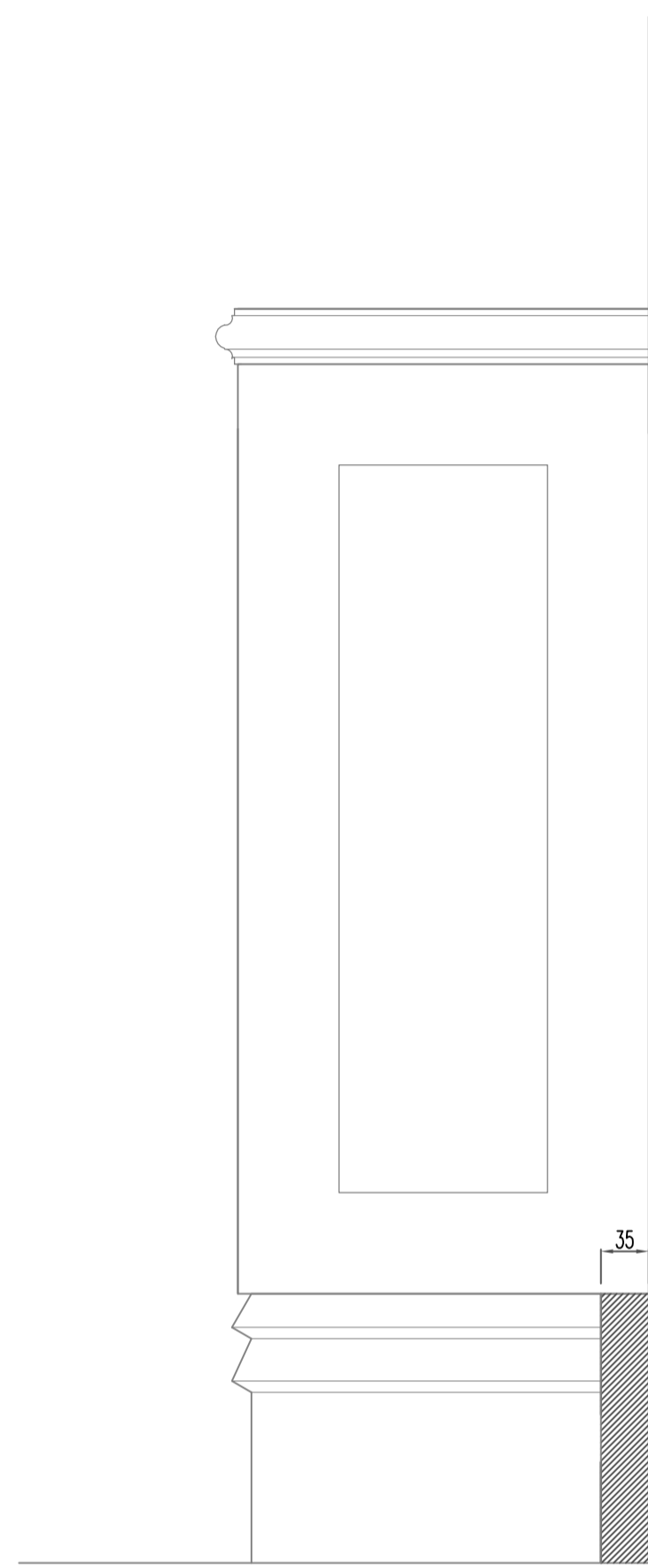
GENERAL NOTES



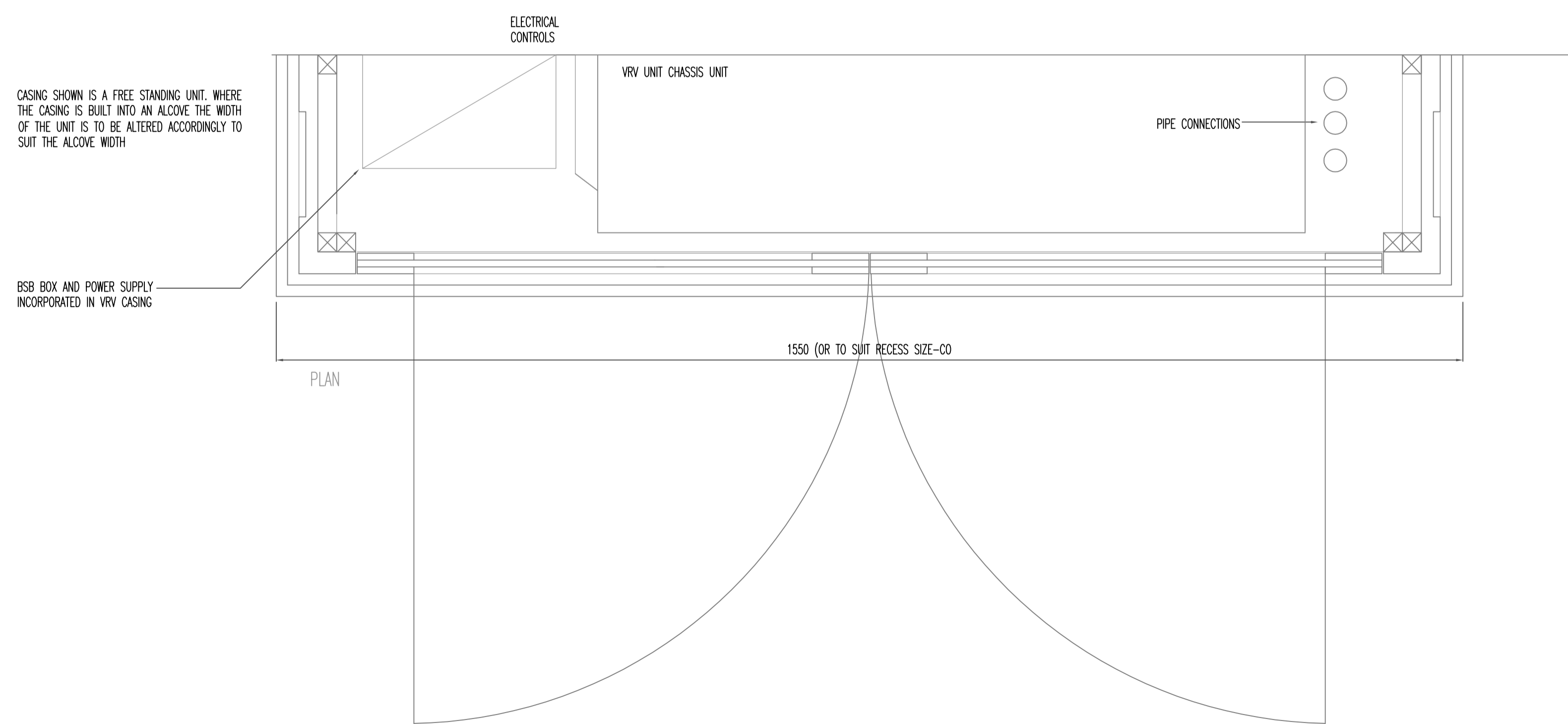
TOP VIEW



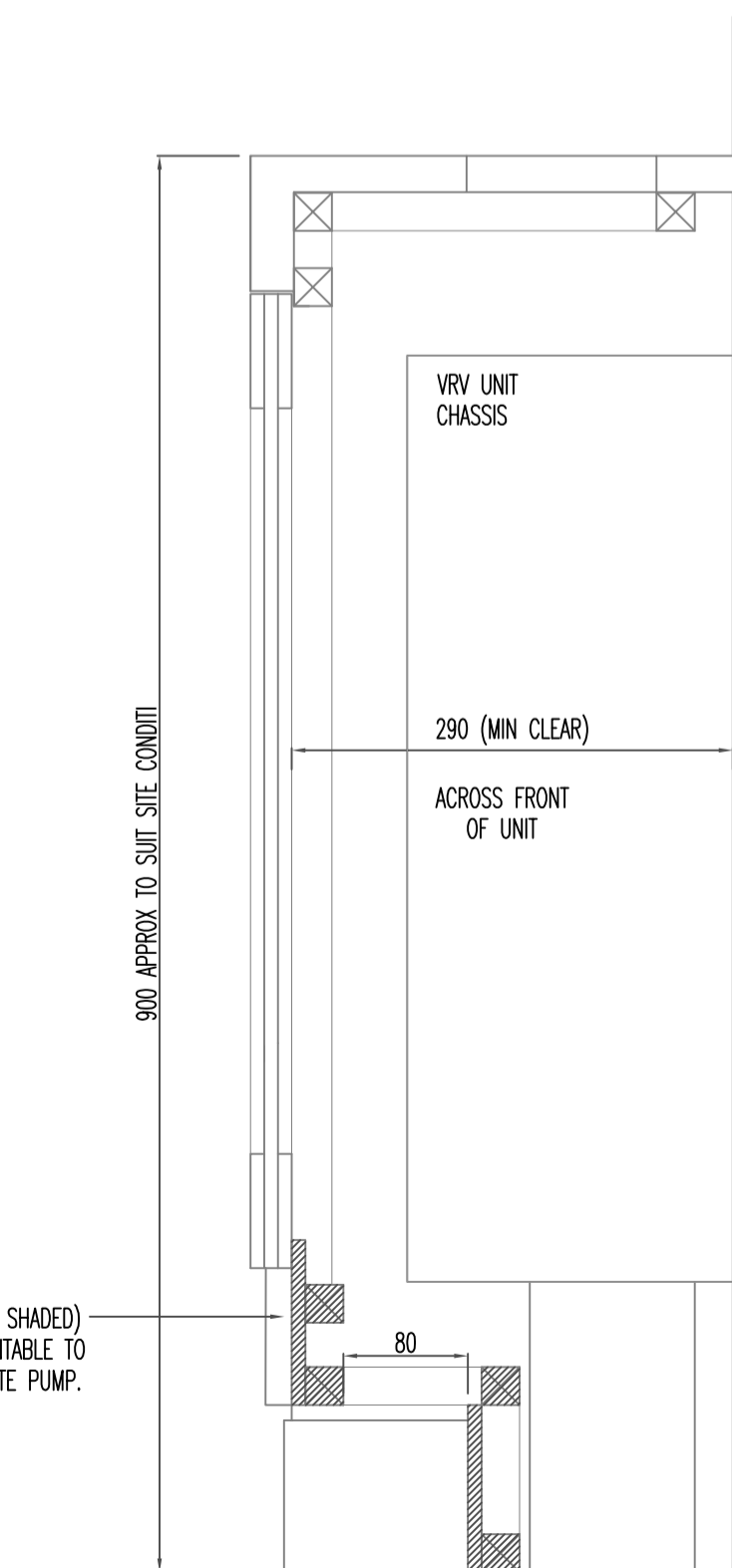
FRONT VIEW



SIDE VIEW



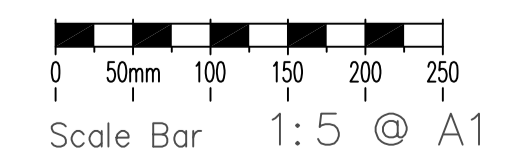
PLAN



SECTION

VRV UNIT PLINTH IS TO BE STOPPED SHORT OF WALL TO ALLOW EXISTING SKIRTING TO PASS BEHIND.
PROVIDE A BLANKING PANEL (SHOWN SHADED) RECESSED 18mm BEHIND FACE OF CASING. BLANKING PANEL TO BE CAREFULLY SCRIBED AROUND SKIRTING.

ENTIRE RECESSED PLINTH (SHOWN SHADED) TO BE EASILY REMOVABLE/DEMOUNTABLE TO ALLOW ACCESS TO THE CONDENSATE PUMP.



CONSTRUCTION

Rev	Date	Description
C	SEP.14	CONSTRUCTION ISSUE
B	AUG.14	CONTRACT ISSUE
A	MAY.14	TENDER ISSUE
D	FEB.14	PLANNING ISSUE

TPS

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Project
18 BEDFORD SQUARE
LONDON
WC1

Drawing Title
VRV JOINERY CASING DETAIL
(LOWER GROUND, GROUND &
& FIRST FLOOR)

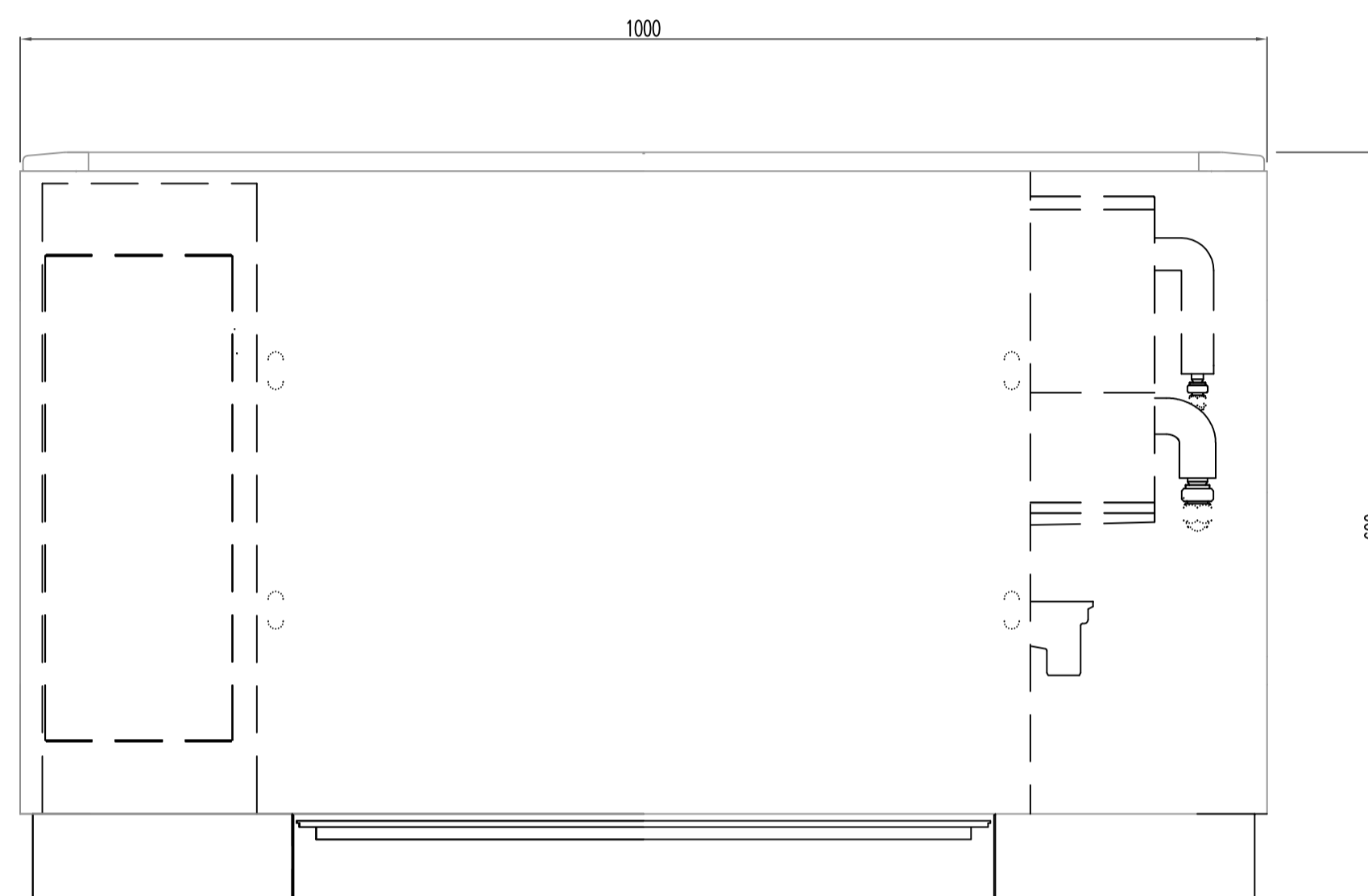
Scale 1:5 @ A1 Date FEB.14
Drawn R.J.L. Checked G.N.T.

Drawing Status
CONSTRUCTION

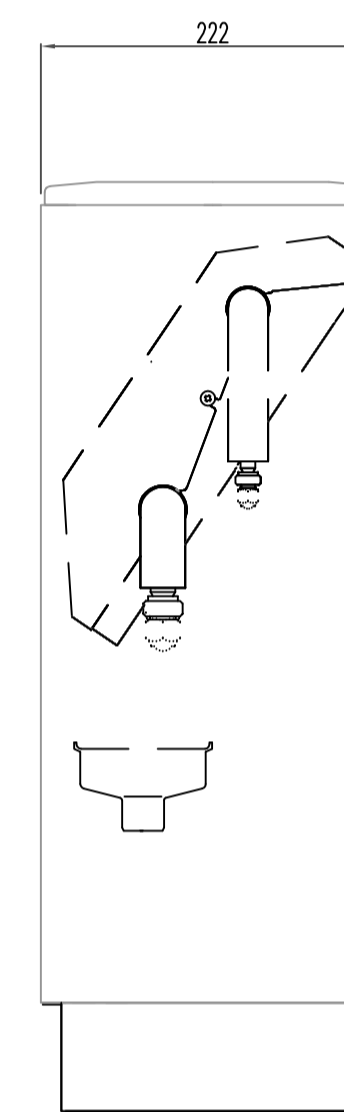
Revision	0	A	B	C					
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Drawing No. TPS/18BS/VRV/J

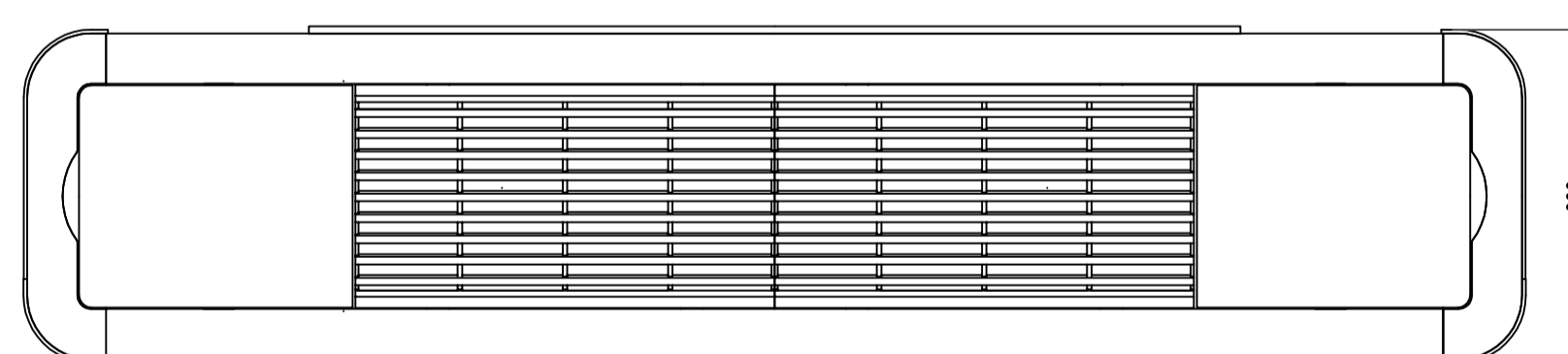
GENERAL NOTES



FRONT VIEW

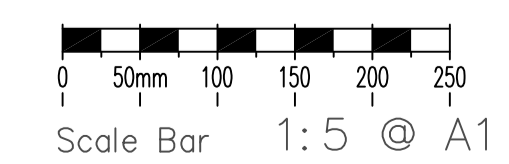
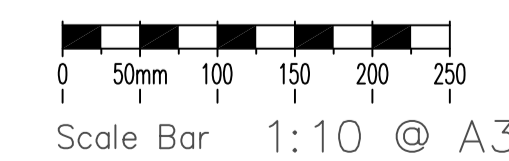


SECTION



PLAN

DAIKIN PROPRIETARY METAL CASED VRV UNITS



CONSTRUCTION

Rev	Date	Description
C	SEP.14	CONSTRUCTION ISSUE
B	AUG.14	CONTRACT ISSUE
A	MAY.14	TENDER ISSUE
D	FEB.14	PLANNING ISSUE

TPS

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Client



Project

18 BEDFORD SQUARE
LONDON
WC1

Drawing Title

VRV STANDARD CASING DETAIL
(SECOND & THIRD FLOORS)

Scale 1:5 @ A1 Date FEB.14

Drawn R.J.L. Checked G.N.T.

Drawing Status CONSTRUCTION

Revision 0 A B C

Drawing No. TPS/18BS/VRV/M