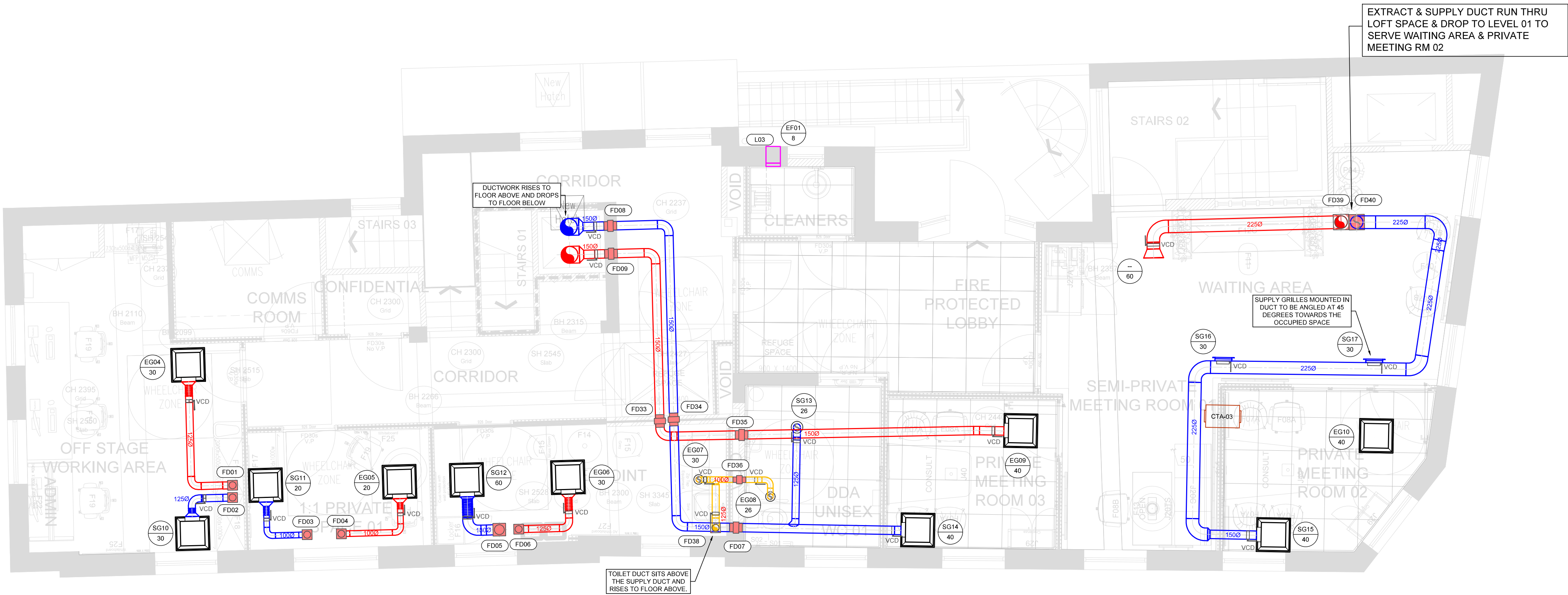


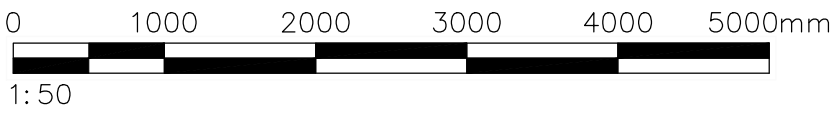


EXTRACT & SUPPLY DUCT RUN THRU LOFT SPACE & DROP TO LEVEL 01 TO SERVE WAITING AREA & PRIVATE MEETING RM 02

DUCTWORK RISES TO FLOOR ABOVE AND DROPS TO FLOOR BELOW

SUPPLY GRILLES MOUNTED IN DUCT TO BE ANGLED AT 45 DEGREES TOWARDS THE OCCUPIED SPACE

TOILET DUCT SITS ABOVE THE SUPPLY DUCT AND RISES TO FLOOR ABOVE



- General Notes:
- All ductwork are manufactured, installed, tested & commissioned in strict accordance WITH HTM03.01 DW144, DW143, DW151, DW171, DW/TM2, DW/TM3, TR/17 & CIBSE commissioning codes.
 - Access doors are provided adjacent all fire dampers, volume control dampers and heater batteries, either side of air turns & at least 4m intervals on duct routes.
 - All duct runs & diffuser positions are checked & set out against fully detailed ceiling and floor layouts, structural engineering & electrical service drawings. All dimensions are checked out on site prior to the installation being executed, the contractor are expected to co-ordinate the ductwork & piped services with all other trades.
 - All ductwork are identified in accordance with BS1710.
 - All supply air (and extract where on a heat recovery system) ductwork within risers and plant spaces and ceiling voids are insulated. Intake and exhaust ductwork are insulated and vapour sealed against condensation where located in heated / internal spaces.
 - All branch connections are provided with VCD's to facilitate balancing in accordance with all relevant CIBSE codes and good practices
 - The site team provided fire dampers, complete with built-in frames for fixing to the building structure as required, in accordance with the current architects fire strategy drawings.
 - The site team agreed to ALL penetrations through slabs etc with the structural engineer.
 - The contractor provided all ventilation system attenuation as required in accordance with the acoustic recommendations.
 - All door transfer grilles and door undercuts to be provided as necessary for ventilation return air path. The site team took into consideration of acoustic and fire strategy report to satisfy all requirements. Door undercuts are to be a minimum of 10mm and shall not exceed a maximum of 15mm.
 - All ductwork are made galvanised steel construction.
 - Flexible ventilation ductwork are only be used for the final connections to the grilles. All excess flexible ductwork are to be cut back to a minimum of 500mm when making final connections.
 - All fans and ventilation units are installed within accessible locations with due regard to the manufacturer's maintenance space recommendations.
 - All ductwork with high aspect ratio in section are fitted with splitters.
 - Grille connections to be either hard ducted, or, where flexibles are used these should be no more than 500mm long.

Legend:	
Symbol	Description
	ELECTRIC WATER HEAT DIFFUSER WITH PLENUM BOX
	ISOLATION VALVE DIFFUSER
	ROUND DIFFUSER
	SUPPLY DUCT
	EXTRACT DUCT
	TOILET EXTRACT DUCT
	EXTRACT FAN
	CROSS TALK ATTENUATOR
	VOLUME CONTROL DAMPER
	FIRE DAMPER

P02	20.02.20	LAYOUT AMENDMENT	AK	MC
P01	04.02.20	FIRST ISSUE	AK	MC
Rev.	Date	Notes	BY	CH

Client: **M&S**

Project: **BARCLAYS HORSHAM
1-2 CARFAX, HORSHAM
RH12 1DN**

Status: **PRELIMINARY**

All dimensions in mm except where otherwise stated. Dimensions up to 1 metre +/- 0.5mm, Dimensions 1 metre to 5 metres +/- 1mm, Except where otherwise stated.
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enlightened environments

Drawing Title:
FIRST FLOOR VENTILATION LAYOUT

Drawing No.
RPT5769_2020_HORSHAM CARFAX_M&S_JFSD_1FL_MECH_HVAC_001

Revision No.
P02

Drawn
AK

Checked
MC

Scale
1:50

Originated Date
04.02.20