

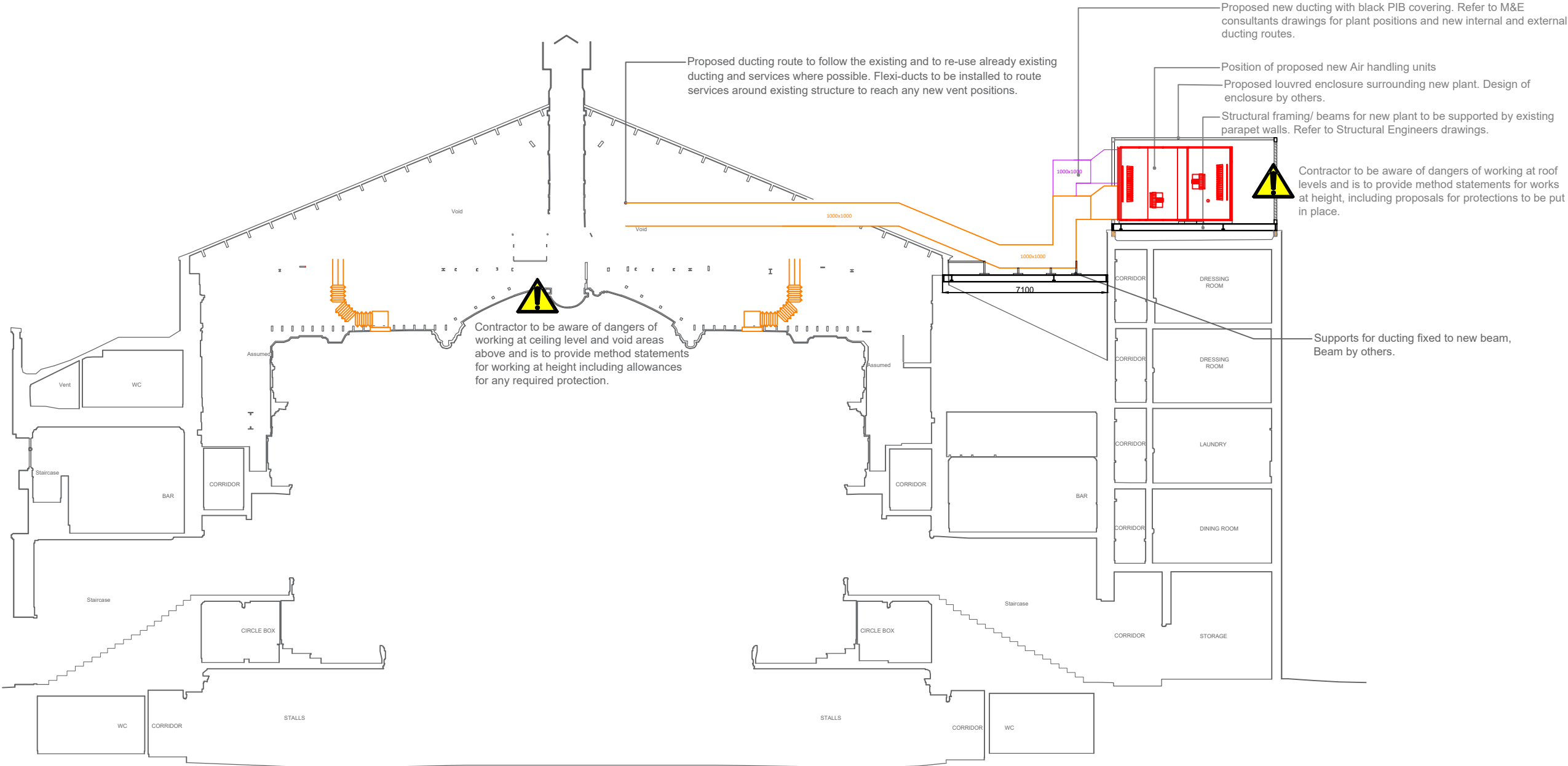
AHU 1 & 2 DESIGN DETAILS

PROJECT DETAILS			
Project No	Revision	Date	Customer
16227	0	30 Sep 2022	SDH Building Services Ltd
Unit No	Project Reference	AHU Reference	Quantity
1	Manchester Palace Theatre	AHU-01/02 (5 m³/s)	2
Supply Air Flow	Supply ESP	Extract Air Flow	Extract ESP
5 m³/s	400 Pa	5 m³/s	400 Pa

SPECIFIC FAN POWER			
AHU SFP kW/(m3/s)	Supply Absorbed (kW)	Extract Absorbed (kW)	Overall (kW)
2.06	5.2	5.08	10.28
			Filter Condition
			Clean

UNIT CONSTRUCTION		
Unit location	Roof Type	Panel External Sheet
External	50mm Apex Roof (>1700mm)	0.7mm Plastisol Goosewing Grey
Frame Material	Frame Profile	Panel Thickness/Insulation
Aluminium	50mm profile	FG50
Base Construction	Base Height	Panel Internal Steel
150 Galv 2.5 gauge	150 mm	0.9mm Galvanized Steel
Access Side	Unit Model	Leakage Class
Right	AHTW 2025-5050-FG-WP	L2
Flow Arrangement	Unit Arrangement	
Opposite	Double deck	

AHU OVERALL UNIT DIMENSIONS AND WEIGHT - Unit supplied in one section unless otherwise agreed			
Length	Width	Height	Weight (Per Unit)
4930 mm	2550 mm	3170 mm	4614 kg

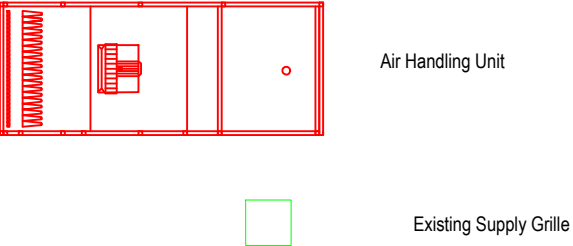


ROOF PENETRATION AREA FOR VENTILATION DUCT TO ENTER.



GENERAL NOTES:

LEGEND:



C	'FOR APPROVAL'	C.N.	S.H.	15/12/22
B	'FOR APPROVAL'	C.N.	S.H.	08/12/22
A	'FOR APPROVAL'	C.N.	S.H.	28/11/22
REV.	DESCRIPTION	DES.	CHK'D	DATE



Building Services

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PROJECT	
PALACE THEATRE MANCHESTER	

TITLE	
ROOF PLAN LAYOUT	

STAGE	
"FOR APPROVAL"	
SCALE	ORIGINAL SIZE
1:200	A1
DATE	NOV / 2022
DRAWN	DESIGNED
C.N.	C.N.
CHECKED	S.H.
DRAWING NUMBER	REVISION
SDH-PTM-M03	C