

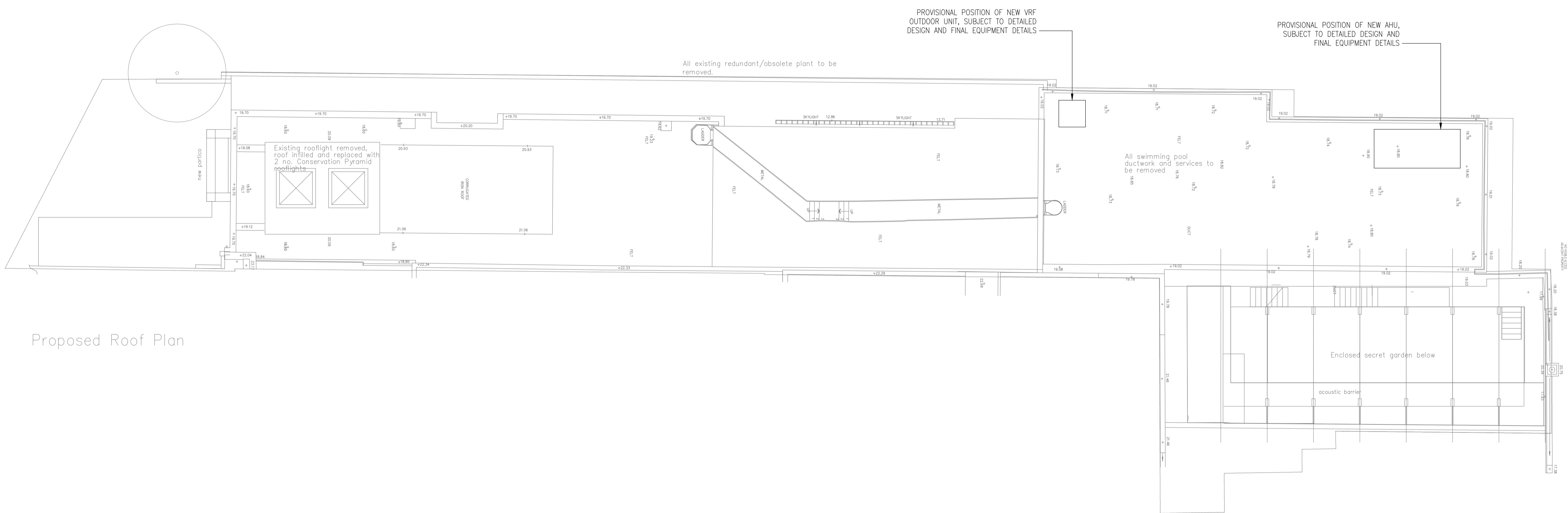
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Rev	Date	Amendments	By	Check
-	04/12/2020	FIRST ISSUE	JR	JW
A	10/12/2020	UPDATED ROOF PLAN INCORPORATED	JR	JW
B	06/04/2021	PLANT RELOCATED IN LINE WITH PLANNING RESPONSE	JR	JW
C	19/04/2021	PLANT RELOCATED IN LINE WITH ACOUSTIC CONSULTANT RECOMMENDATIONS	JR	JW

NOTES:

- DRAWING BASED ON MEASURED SURVEY DRAWINGS "19086-13-B-3" AND "19086-13-B-R"



Proposed Roof Plan

PROVISIONAL DATA FOR PROPOSED NEW PLANT


NEW AIR HANDLING UNIT
 NEW SUPPLY AND EXTRACT AIR HANDLING UNIT.
 UNIT WILL BE PROVIDED WITH INLET AND
 OUTLET ATTENUATORS AS REQUIRED TO SUIT
 ACOUSTIC SPECIALISTS RECOMMENDATIONS.
 INDICATIVE DETAILS:

Description	AHU ACOUSTIC DATA SUPPLY SECTION								Overall dBA
	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	
Outlet Sound Power(dB)	76	84	91	88	85	79	79	78	90
Inlet Sound Power(dB)	70	74	79	74	68	61	58	57	73
Airborne sound power (dB)	85	84	83	87	81	62	44	39	59

Description	AHU ACOUSTIC DATA EXHAUST SECTION								Overall dBA
	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	
Outlet Sound Power(dB)	74	86	83	82	79	74	73	71	84
Inlet Sound Power(dB)	67	77	75	71	67	62	59	57	73
Airborne sound power (dB)	54	66	57	51	45	37	38	9	54

NEW VRF SYSTEM
 OUTDOOR UNIT LOCATED ON ROOF, CAN BE
 POSITIONED TO SUIT ACOUSTICIAN
 REQUIREMENTS BUT RECOMMEND KEEPING
 CENTRALLY NEAR NEW AHU TO AVOID ANY
 ISSUES WITH PIPEWORK LENGTHS ETC.
 ANTICIPATED UNIT:
 DAIKIN REYQZ0U
 ANTICIPATED SOUND PRESSURE LEVEL:
 65dB(A) AT 1m DISTANCE/1.5m AFFL

DESIGN INTENT

Client CARE CONCERN GROUP	
Project PROPOSED DAY NURSERY 81 BELSIZE PARK GARDENS LONDON NW3 4NJ	
Title PRELIMINARY MAJOR PLANT POSITIONS	
Drawing Type INFORMATION	
Drawing No. 1241-SK-01	Revision C
Scale 1:100	Original Size A1
Date 04/12/2020	
Drawn JR	Engineer JR
Checked JW	
 Building Services Design and Consultancy www.bettonconsulting.co.uk	