

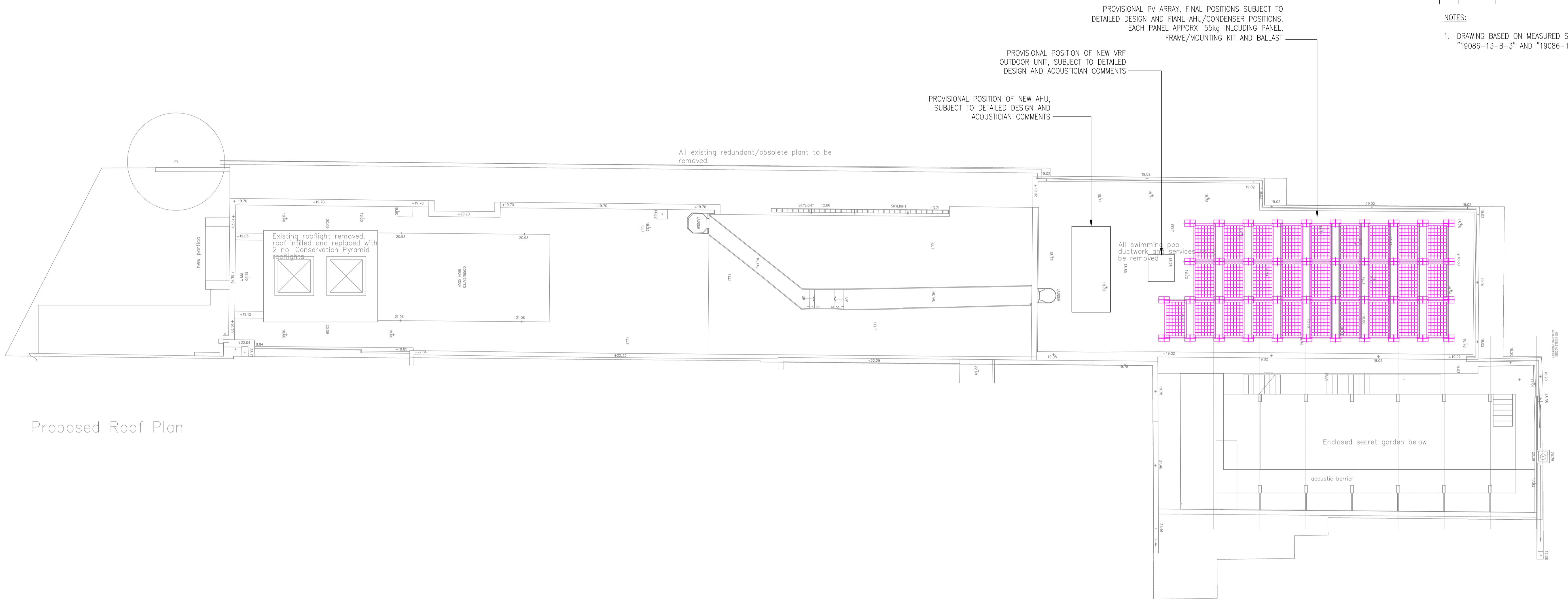
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Rev	Date	Amendments	By	Check
-	04/12/2020	FIRST ISSUE	JR	JW
A	10/12/2020	UPDATED ROOF PLAN INCORPORATED	JR	JW

**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,  
 PROPOSED LOCATION IN SIMILAR POSITION TO  
 EXISTING AHU/02  
 UNIT WILL BE PROVIDED WITH INLET AND  
 OUTLET ATTENUATORS AS REQUIRED TO SUIT  
 ACOUSTIC SPECIALISTS RECOMMENDATIONS.  
 INDICATIVE DETAILS:

AHU ACOUSTIC DATA SUPPLY SECTION									
Description	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	Overall dBA
Outlet Sound Power(dB)	78	84	91	88	85	79	79	78	90
Inlet Sound Power(dB)	70	74	79	74	68	61	58	57	79
Airborne sound power (dB)	85	84	85	87	81	62	64	69	89

AHU ACOUSTIC DATA EXHAUST SECTION									
Description	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	Overall dBA
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 <b>CARE CONCERN GROUP</b>	
Project <b>PROPOSED DAY NURSERY 81 BELSIZE PARK GARDENS LONDON NW3 4NJ</b>	
Title <b>PRELIMINARY MAJOR PLANT POSITIONS</b>	
Drawing Type <b>INFORMATION</b>	
Drawing No. <b>1241-SK-01</b>	Revision <b>A</b>
Scale <b>1:100</b>	Original Size <b>A1</b>
Date <b>04/12/2020</b>	
Drawn <b>JR</b>	Engineer <b>JR</b>
	Checked <b>JW</b>
 Building Services Design and Consultancy www.bettonconsulting.co.uk	