

Box

NEW BIN STORE FOR RESIDENTS

RESIDENTS CYCLE STORE

PLANT SERVICE AREA

DAPACK

A&C

PLANT SERVICE AREA

DISCHARGE ATTENUATION

DISCHARGE ATTENUATION

DISCHARGE ATTENUATION

ACU-1

AIR INTAKE

PLANT SERVICE AREA

A&B

DACOND

A,D&F

PLANT SERVICE AREA

PLANT SERVICE AREA

EMERGENCY PRV VENT LINE TBC ON-SITE. TO TERMINATE IN SAFE LOCATION AND AT SAFE HEIGHT. NOT TO BE IMPEDED BY DISCHARGE LOUVRE.

98

847

1316

800

2197

1923

920

1018

2210

921

1000

96

[illegible]

INDICATIVE RUBBER FOOT DETAIL

DISCHARGE AIR

INTAKE AIR

SMOOTH AND LEVEL BASE BY BUILDER

DISCHARGE AIR

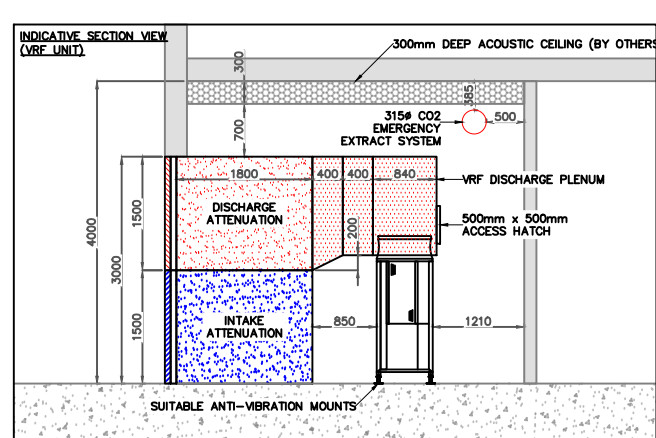
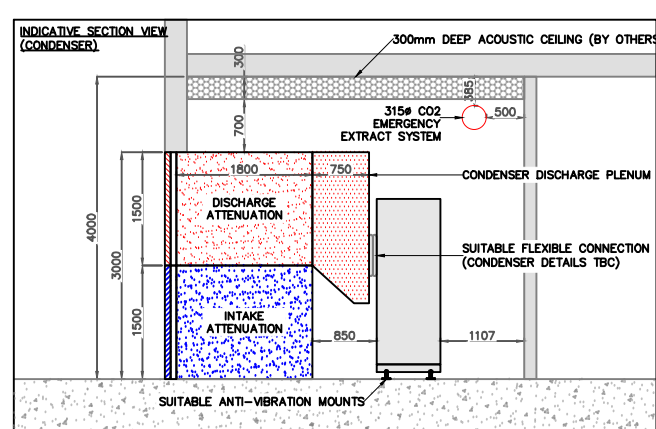
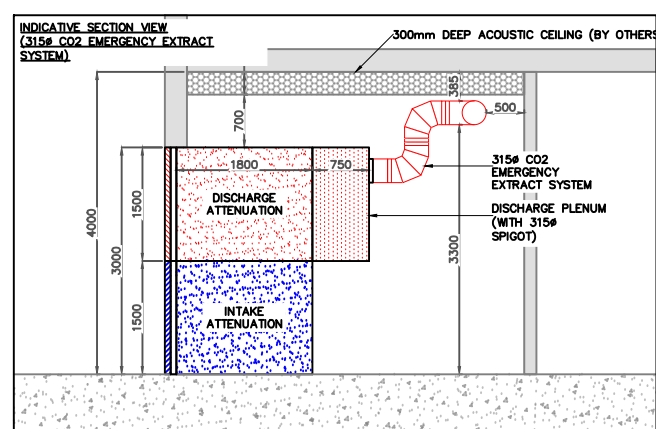
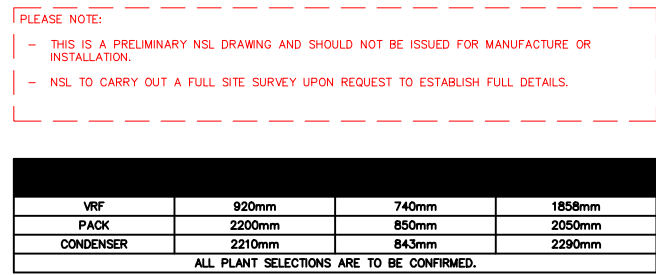
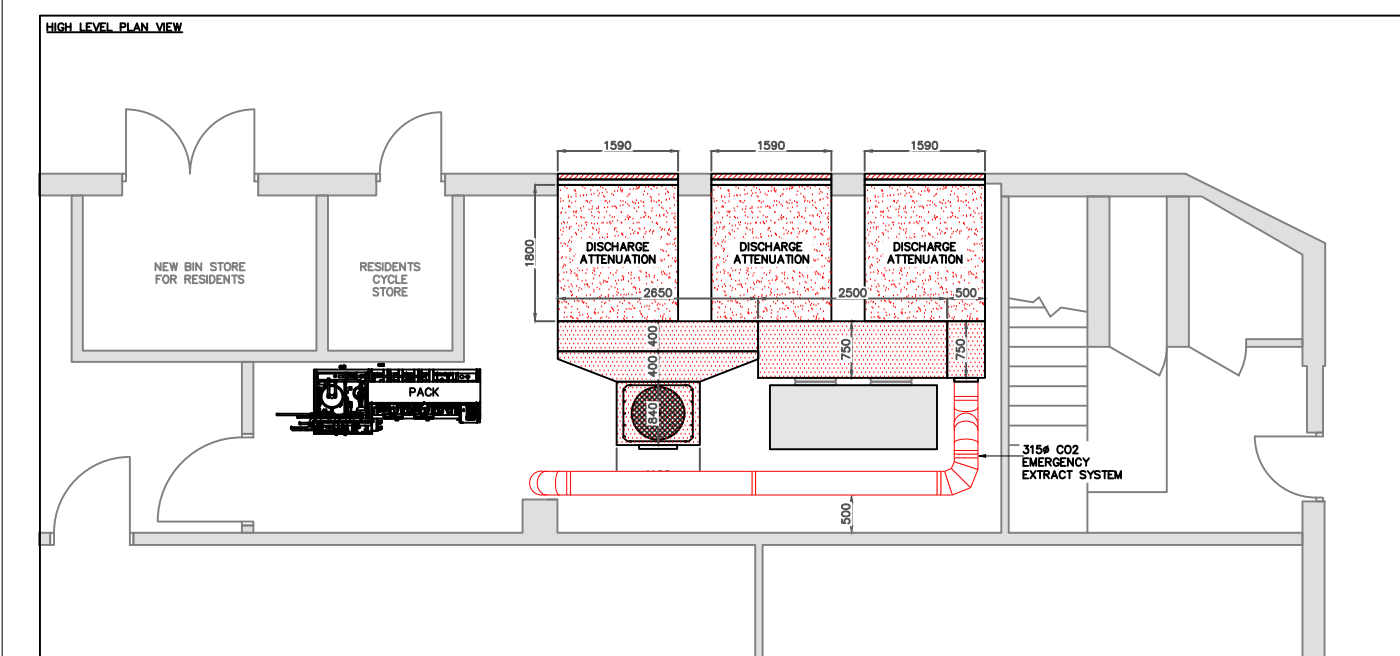
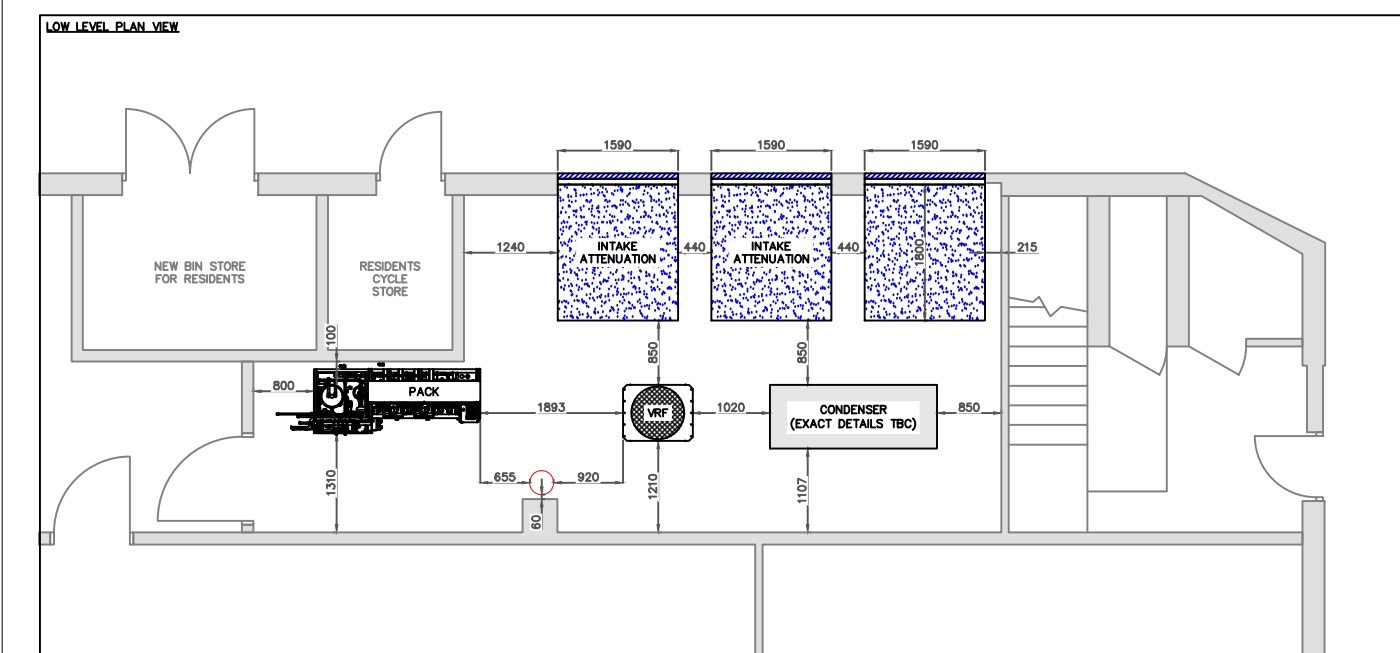
INTAKE AIR

DISCHARGE AIR

INTAKE AIR

MITSUBISHI A/C OUTDOOR UNIT
(PUHY-M300YNW-A1)

SCALE 1:50

[illegible]

DAPACK			Pack Refrigerant:		R744		Manufacturer:			Hubbard		Integrated Receiver Size:			40.00L		Pack Details												
Compressor Reference		Compressor Model		Compressor Manufacturer		New/Exist		SST (°C)		Evap Capacity (kW)		THR (kW)		Design current (A/ph)		Full load Current (A/ph)		Electrical Connection		Length (mm)		Width (mm)		Height (mm)		Weight (kg)		Max dBA Rating @10m	
HA1		2KTE-7K [INV @68Hz]		Bitzer		New		-4		-		-		-		-		415v/3ph/50hz		850		2566		2051		2000		50	
HA2		2KTE-7K		Bitzer		New		-4		-		-		-		-													
HT COMPRESSOR TOTALS										16.22		40.50		-		-													
LOW TEMPERATURE COMPRESSOR SELECTION																													
LA1		2MME-1K [INV @69Hz]		Bitzer		New		-29		-		-		-		-													
LA2		2MME-1K		Bitzer		New		-29		-		-		-		-													
LT COMPRESSOR TOTALS										6.90		-		-		-													
PACK TOTALS										23.12		40.50		49.00		68.00													
																		Pressure Relief Valves (High):		120.00 bar		Pressure Relief Valves (Low):		60.00 bar					

Reference	Model	Manufacturer	New / Existing	Refrigerant	Gas Outlet / Ambient Temperature (°C)	TD (K)	THR (kW)	External Static Pressure (Pa)	Full Load Current (per fan) (A)	Supply Voltage & Phase	Run speed signal voltage (0-10V) (Day / Night)	RDM Setback Setting (Day / night)	Pipe / Fin Material	Pipe Sizes (In / Out)	Weight (kg)	Dimensions (LxWxH) (mm)	dB(A) @ 10m Day / Night
DACOND	GFHA1-126AL-EC50.H3	Coolers & Condensers	New	R744	38 / 35	3	44.7	80	3 x 2	400v/3ph/50-60hz	4.8 / 4.8	52 / 52	CU / ALMG	5/8" x 5/8"	480	2210 x 843 x 2290	51.3

Reference	Model	Make	New/Existing	Type	Refrigerant	Position	Duty - Cooling (kW)	Duty - Heating (kW)	MCB Rating	Running Current (Max Current)	Electrical Connections	Refrigerant weight (kg)	Tail Sizes (S&L)	Airflow Rate	Weight (kgs)	Dimensions (L x W x H)	Noise dBA @1m
ACU-1	PUHY-M300YNWA1	Mitsubishi	New	Outdoor Unit	R32	Plant Room	30	34.1	32	13.6 [25.6 Max]	380-415v/3Ph/50hz	6.5 [19.5 Max additional]	7/8" : 3/8"	240 (m³/min)	223	920 x 740 x 1858	64.5

ALL EXISTING ROOF MOUNTED PLANT AND AC TO BE REMOVED AND SERVICES CAPPED OFF.



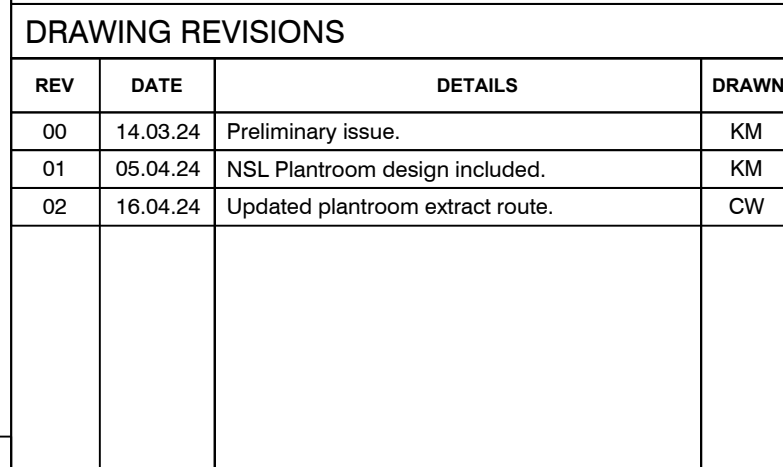
LEGEND	
	FIXTURE NUMBER
	SERVICE AREA
	KEY CLAMP**
	HIT & MISS FENCING**
	PALISADE FENCE**
	CHAIN FENCE**

****BUILDERS WORKS IN CONNECTION - TO BE CARRIED OUT BY MAIN CONTRACTOR**

GENERAL NOTES	
•	A METRE MINIMUM ACCESS TO BE PROVIDED TO THE REFRIGERATION AND AIR CONDITIONING EQUIPMENT WHERE INDICATED.
•	EXTERNAL DRAINAGE REQUIRED TO EXTERNAL A UNITS - BY MAIN CONTRACTOR.
•	GAS COOLER TO BE SUPPLIED WITH A MINIMUM 750MM LEGS.

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A	SMOOTH AND LEVEL BASE REQUIRED FOR REFRIGERATION PLANT AND AC OUTDOOR UNITS - TO BE PROVIDED BY THE BUILDER.	E	PLANT AREA FENCE REQUIRED TO ALLOW 50% FREE AIR MOVEMENT - SPECIFICATION BY ARCHITECT OR MAIN CONTRACTOR.
B	AC UNIT - REQUIRED TO BE MOUNTED ON SUITABLE ANTI-VIBRATION PAD.		
C	COMPRESSOR PACK - TO BE MOUNTED ON SUITABLE ANTI-VIBRATION PAD OR MOUNT, SUBJECT TO NOISE IMPACT REPORT.	F	CONDENSER ARE SUPPLIED WITH ISOLATOR & CONTROL PANEL ON THE PIPE END, UNLESS OTHERWISE STATED.
D	CONDENSER - TO BE MOUNTED ON SUITABLE ANTI-VIBRATION PAD.		
PLEASE NOTE THAT ALL CDM DESIGN / WORKS BY MAIN CONTRACTOR			



REV	DATE	DETAILS	DR

SITE ADDRESS: CO-OP TILEHURST	
DRAWING TITLE: REFRIGERATION PLANT LAYOUT	
CONSULTANT:	JOSHUA SILVER
DESIGN ENGINEER:	CONOR WINDUS
DATE: 16.04.2024	DRAWN BY:
CHECKED BY: MO	SCALE: 1:
CONTRACT No: QR116829	DERIVED FROM:
DRAWING NUMBER: CR3	REVISION: 1