

PLANT LOCATION - VIEW "A" @ 1:50

BOTH EXISTING 10 FAN CONDENSERS TO BE REMOVED, ALONG WITH THE HAND RAIL. THIS AREA CAN THEN REVERT TO 6 ADDITIONAL CAR PARKING SPACES. BBS TO ALLOW TO MAKE GOOD THIS AREA AT END OF PROJECT & HAND BACK TO COUNCIL. BBS TO ALLOW SOME ROOF REPAIRS HERE.

CAN BBS LAISE WITH COUNCIL TO DETERMINE IF WE CAN REMOVE THE 2 EXISTING 10 FAN CONDENSER WITH A HIAB FROM THE PEDESTRIANISED PRECINCT AS SHOWN. ALLOW 2800KGS PER CONDENSER TO INC SUBFRAMES AND RECEIVERS. WHICH WILL NEED ADDITIONAL SUPPORT PRE LIFTING.

Dual Temperature Refrigeration Plant Details.

SYSTEM REF.	PACK ID (31"*)	ASSET TYPE	ASSET LOCATION	NEW / EXISTING	MANUFACTURER	MODEL	PACK CONTROLLER	REFRIGERANT	REFRIGERANT CHARGE (kg)	PED CATEGORY	NUMBER OF COMPRESSORS	COMPRESSOR MODEL	Start Current Per Comp (Amps) (Per Full)	Full Load Current Per Comp @ Design Conditions (Amps)	Maximum Full Load Current Per Comp (Amps)	Total Supply Voltage	Housed or Unhoused	Operational Weight (kg)	Receiver Volume (L)	Total System Charge (kg)	PED Cat.	Length of Unit (mm)	Width of Unit (mm)	Height of Unit (mm)	Sound Power Level (dB) @ 10m	Sound Power Level (dB)
Refrigeration Pack	LT/IT-1	301.1	REFRIGERATION PACK	PLANT ROOM	NEW	SCM FRIGO	Danfoss	R744	N/A	IV	Comp LT No1	2GME-3K	44	11.95	6.07	400/3PH-50Hz (& NEUTRAL)	Unhoused	3200	173	TBC	IV	5410	1110	2100	60.8	88.8
		304.1									Comp LT No2	2GME-3K	44	6.9	4.88											
		302.1									Comp IT No1 (50Hz)	4HTE-20K	135 Y / 220 YY	39.6	34											
	LT/IT-2	305.1									Comp IT No2	4GTE-20K	97.0 A Y / 158 A YY YY	36.2	31.2											
											Comp IT No3	4GTE-20K	97.0 A Y / 158 A YY YY	36.2	31.2											
											Comp LT No1	2GME-3K	44	11.95	6.07											
Refrigeration Pack	LT/IT-1	301.1	REFRIGERATION PACK	PLANT ROOM	NEW	SCM FRIGO	Danfoss	R744	N/A	IV	Comp LT No2	2GME-3K	44	6.9	4.88											
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											Comp LT No1	2GME-3K	44	11.95	6.07											
											Comp LT No2	2GME-3K	44	6.9	4.88											

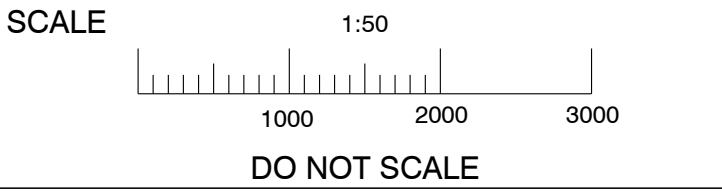
Fixture Number	ASSET TYPE	ASSET LOCATION	NEW / EXISTING
SYSTEM	DATA MANAGER	WAREHOUSE	NEW

Condenser / Gas Cooler	PACK ID (31"*)	SYSTEM REF (IT / LT / DT)	ASSET TYPE	ASSET LOCATION	NEW / EXISTING	MANUFACTURER	MANUFACTURER MODEL REFERENCE	REFRIGERANT	FAN TYPE	Number of Fan Motors	Start Current Per Fan Motor (A)	Run Current Per Fan Motor (A)	SUPPLY VOLTAGE	AMBIENT DESIGN TEMPERATURE (°C)	MAXIMUM DESIGN CONDENSING TEMPERATURE (°C)	TD (°C)	OPERATIONAL WEIGHT (KG)	FIN MATERIAL	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	Mean Sound Pressure LpA @ 10m
311.1	LT/IT-1	GAS COOLER	ROOF	NEW	KELVION	GF-PB203G4H-091R-AMHE-10FPI		R744	EC	6	5.7	1.4	380-415	35	150	115	1110	AlMg	4893	2260	1333	40
312.1	LT/IT-2	GAS COOLER	ROOF	NEW	KELVION			R744	EC	6	5.7	1.4	380-415	35	150	115	1110	1110	1110	AlMg	4893	2260

KEY PLAN - VIEW "A" @ NTS



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- LEGEND
- SERVICE AREA
 - KEYCLAMP
 - HIT & MISS FENCING

PLEASE NOTE THAT ALL CDM DESIGN / WORKS BY MAIN CONTRACTOR

NOTES

- [A] SMOOTH AND LEVEL BASE CONCRETE PLINTH REQUIRED FOR REFRIGERATION PLANT AND AC OUTDOOR UNITS - TO BE PROVIDED BY THE BUILDER. PROPOSED NEW PLANT PLINTH, NEW PLINTHS TO BE DOWELLED TO EXISTING, PLINTHS TO PROVIDE A FLAT & LEVEL BASE FOR NEW PLANT. ALL PLINTH DIMENSIONS ARE APPROXIMATE, TO BE CONFIRMED BY BUILDER.
- [B] AC UNIT - REQUIRED TO BE MOUNTED ON SUITABLE ANTI-VIBRATION PAD.
- [C] COMPRESSOR PACK - TO BE MOUNTED ON SUITABLE ANTI-VIBRATION MOUNT.
- [D] CONDENSER - TO BE MOUNTED ON SUITABLE ANTI-VIBRATION PAD.
- [E] MINIMUM PLANT AREA FENCE TO BE 2.4M HIGH.
- [F] CONDENSERS ARE SUPPLIED WITH ISOLATOR & CONTROL PANEL ON THE PIPE END, UNLESS OTHERWISE STATED.

ALL WORK TO COMPLY WITH THE LATEST SAINSBURYS REFRIGERATION SPECIFICATION

EMERSON TO ALLOW COSTS TO REMOVE & SCRAP THE TWO EXISTING PACKS AS WELL, PLEASE ITEMISE THIS AS IT MAY BE TAKEN OUT OF SCOPE.

PACKS ONCE CRANED TO ROOF ARE TO BE WHEELED INTO NEW PLANT ROOM IN EXISTING CANTEN BY EMERSON

1 NO NEW 2.3M H x 1.8M W DOUBLE PLANT DOOR REQUIRED BY BBS

KELVION (GF-PB203G4H-091R385) CONDENSER

2 CAR PARKING SPACES REQUIRED TO SITE 1 NO DUAL CIRCUIT GAS COOLER TO CATER FOR BOTH PACKS. THE COMPOUND SHOULD BE SCREENED WITH AN ACCESS DOOR & PROTECTION BARRIERS BY BBS

3N° CLADE ACER LN 130/100 AHSP's 1500 kg EACH (281mmL x 1450mmW x 2409mmH) MOUNTED ON 100mm CONCRETE BASES

8 CAR PORTS AVAILABLE DIMENSION: 2400X4800

EMERSON TO LAISE WITH BUS COMPANY TO GET PERMIT TO SET UP HIAB/CRANE HERE. CRANE TO LIFT 2 NO. PACKS @3200KGS & 1 NO DUAL CIRCUIT GAS COOLER @ 1350KGS

6 CAR PORTS TO BE USED AS REFERENCE DIMENSION: 2400X4800

THIS AREA WILL NOW BE TAKEN OVER THE RHIC'S PLANT, COLLEGE CANTEN TO BE MOVED TO THE 1ST FLOOR.

08 07 06 05 04 03 02 01

04	Rotate Heat Pumps amended.	SP	08.04.2024
03	Relocation/move of Gas Cooler.	SP	04.04.2024
02	Add ASHPs and RHIC's Plant (Option 1)	AD	04.03.2024
01	Reference updated to 2253_0194	01	14.02.2024
00	Preliminary Issue	00	05.02.2024

Revision	Details	Drawn	Date
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Site Address: Sainsburys Supermarkets Ltd Eastleigh

Drawing Title: REFRIGERATED PLANT LAYOUT (OPTION 1)

Project Manager: G Goodrum

Design Engineer: G Collins Drawn By: VPA

Checked By: DESIGN Date: 05.02.2024

Contract No: *****		Reference Drawing: SDG3_2253_0194_C				Scale 1:50 @ A	
Project	Originator	Division	Level	Type	Role	Number	Rev
2123	RAC	Z01	GF	DR	N	555	04

PRELIMINARY