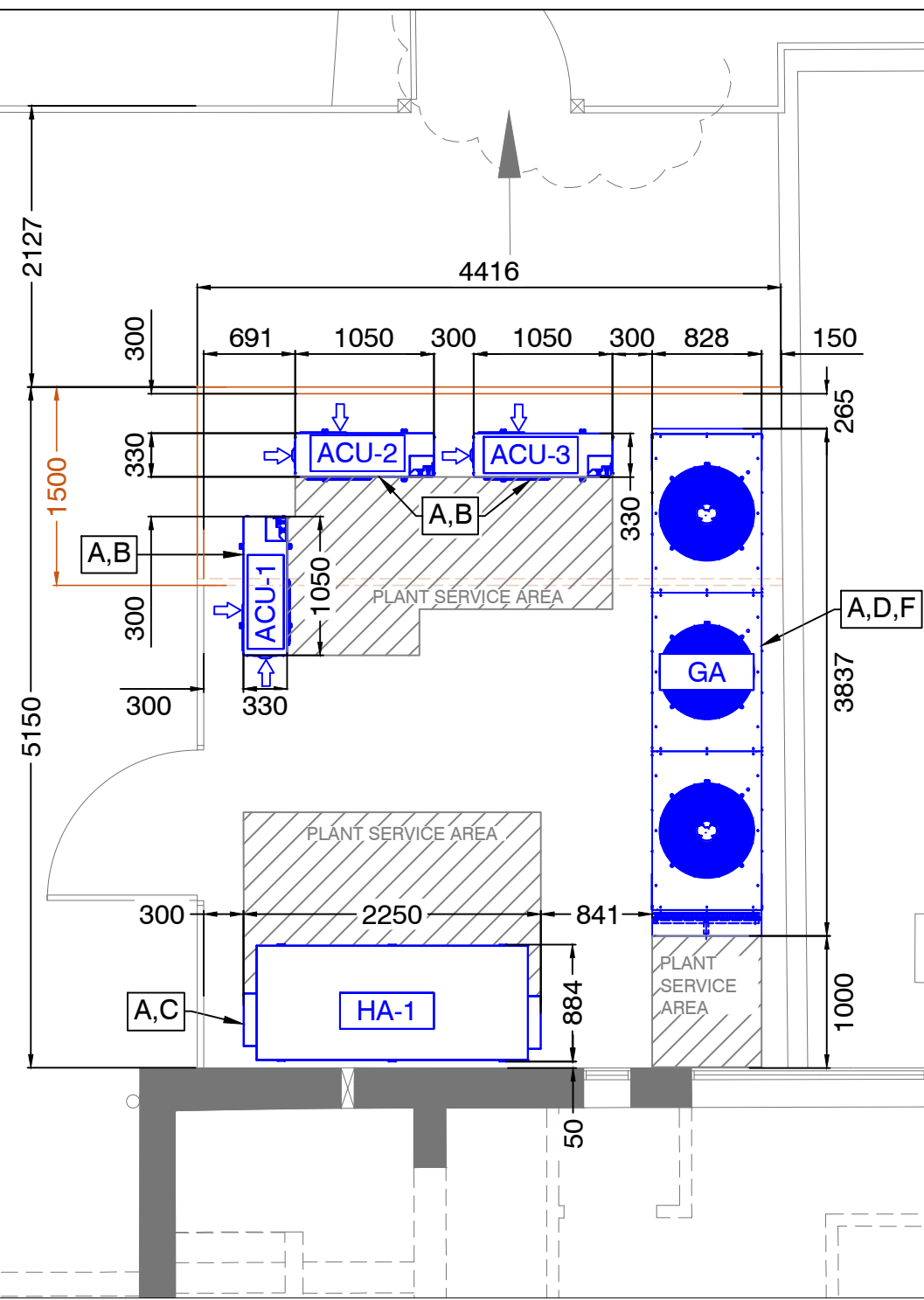
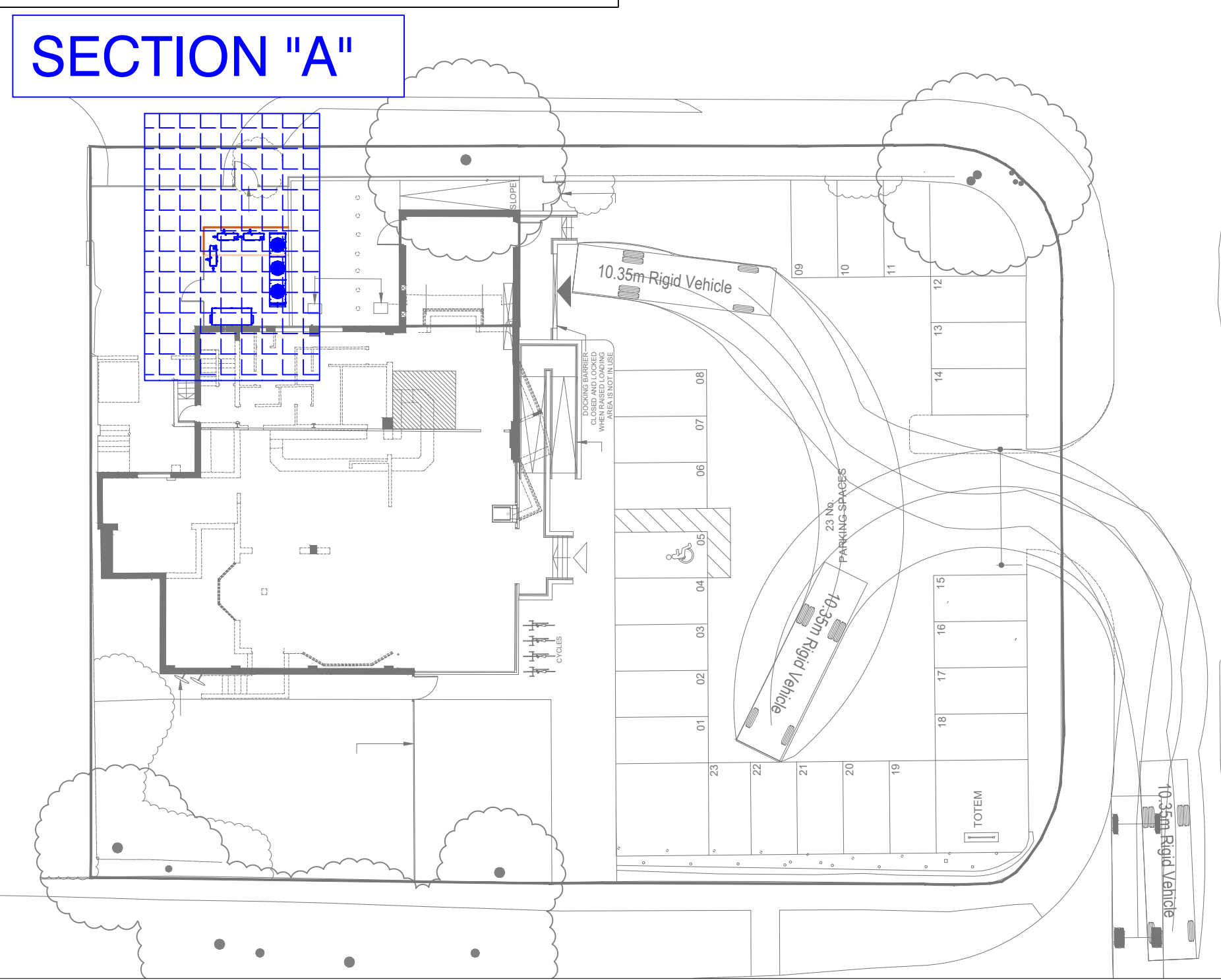


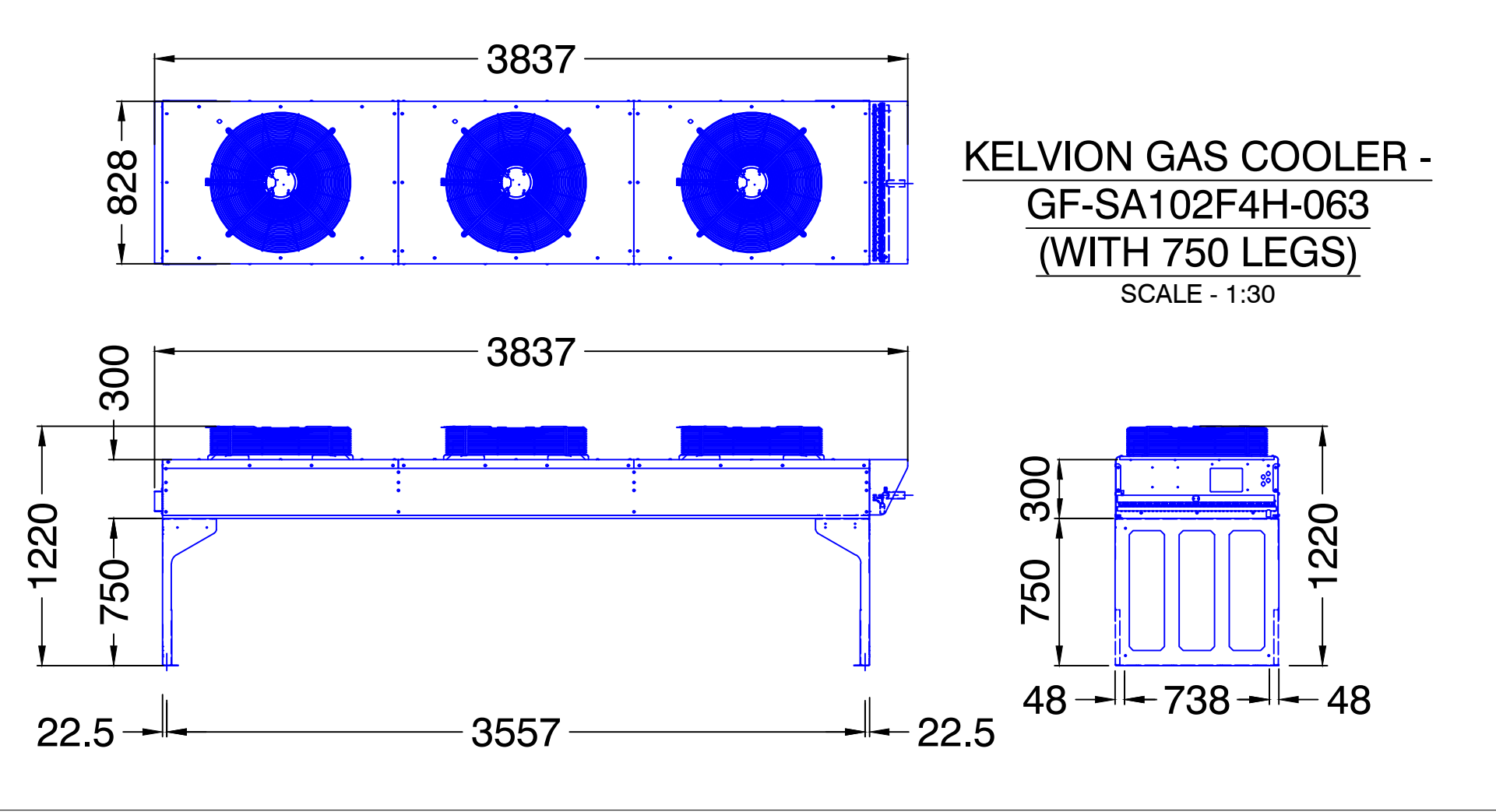
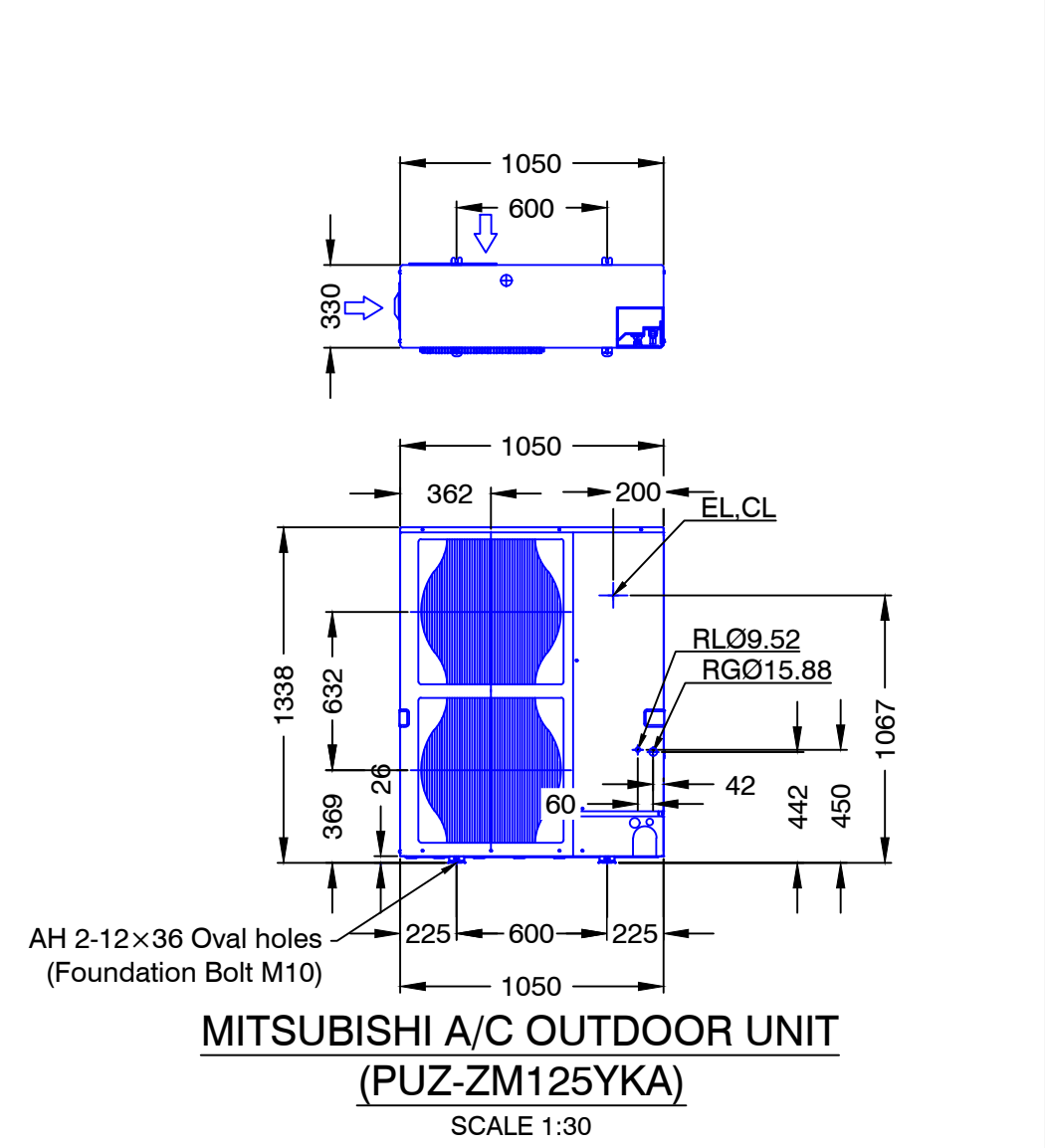
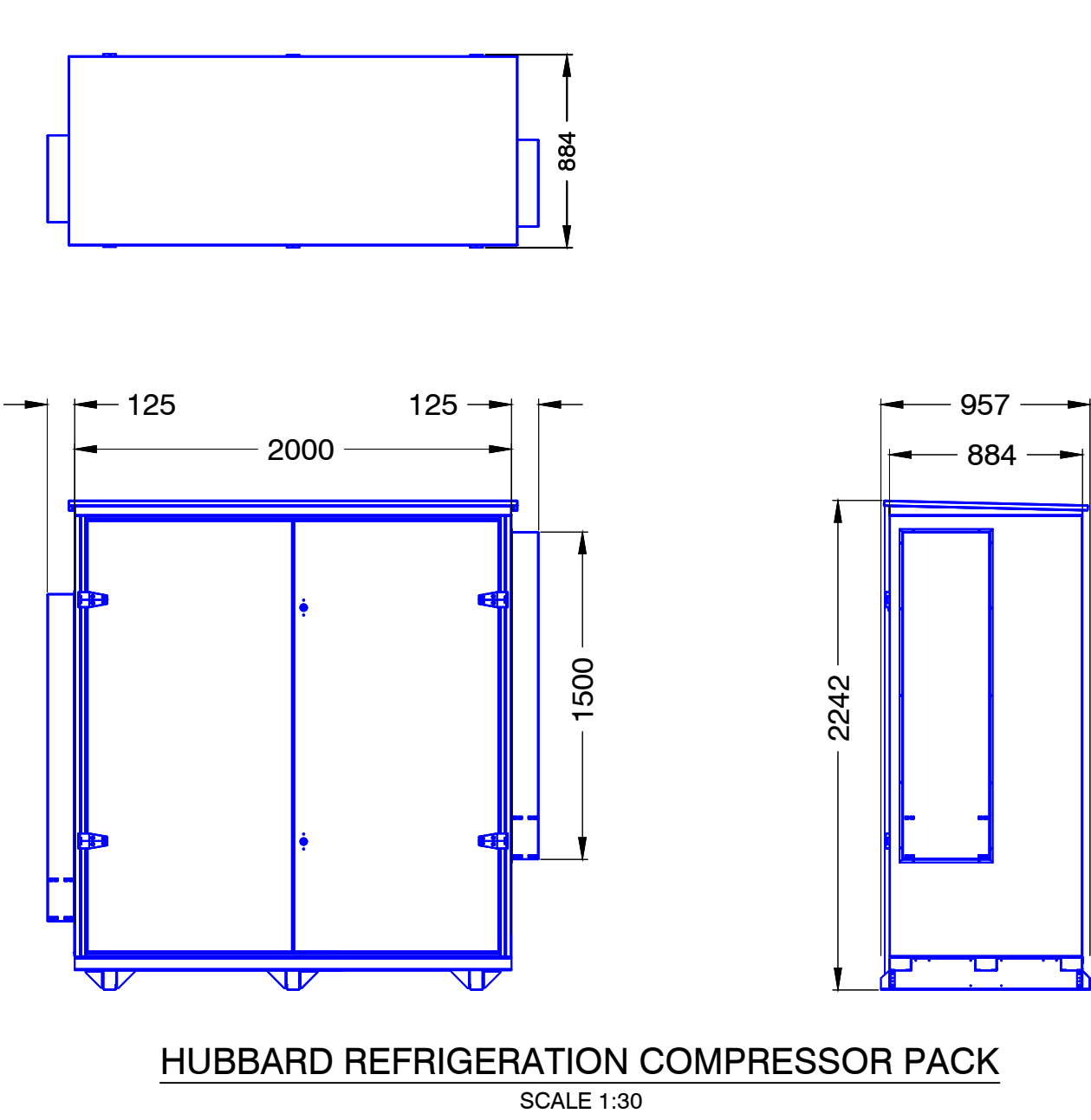
PLANT AREA (SECTION "A") @ 1:50



STORE PLAN OVERVIEW (NTS)



SECTION "A"



REFRIGERATION PACK SELECTION																	
HA1		Pack Refrigerant: R744		Manufacturer: Hubbard		Integrated Receiver Size: 60.00L				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	4MTL-07X (INV)	Copeland	New	-7	12.20	19.30	14.22	17.50	415v/3ph/50hz	2250	885	2242	1600	20dba			
HA2	4MTL-07X	Copeland	New	-7	12.10	19.00	12.48	17.50									
HA3	4MTL-07X	Copeland	New	-7	12.10	19.00	12.48	17.50									
HT TOTALS					36.40	57.30	39.18	52.50									
PACK TOTALS					36.40	57.30	39.18	52.50									
Pressure Relief Valves (High):											120.00 bar		Pressure Relief Valves (Low): 60.00 bar				

GAS COOLER SELECTION																	
Reference	Model	Manufacturer	New / Existing	Refrigerant	Gas Outlet / Ambient Temperature (°C)	TD (K)	THR (kW)	Current @ Design (per fan) (A)	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
GA	GF-SA102F4H-063	Kelvion	New	R744	37 / 35	2	59.20	0.3	0.3	400V / 3Ph/ 50Hz	3.8 / 3.8	62 / 62	Cu/AlMg + Blygold	1-1/8" & 1-1/8"	140	3838 x 834 x 1202	20 / 20

AIR CONDITIONING - SELECTION DETAILS																	
Item (Sys-FCU)	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	PUZ-ZM125YKA	Mitsubishi	New	Outdoor Unit	R32	Plant	-	-	16	5.32	380-415v/3Ph/50hz	4	-	-	125	1050 x 330 x 1338	52
ACU-2	PUZ-ZM125YKA	Mitsubishi	New	Outdoor Unit	R32	Plant	-	-	16	5.32	380-415v/3Ph/50hz	4	-	-	125	1050 x 330 x 1338	52
ACU-3	PUZ-ZM125YKA	Mitsubishi	New	Outdoor Unit	R32	Plant	-	-	16	5.32	380-415v/3Ph/50hz	4	-	-	125	1050 x 330 x 1338	52
* FBOU (Fed by outdoor unit)																	

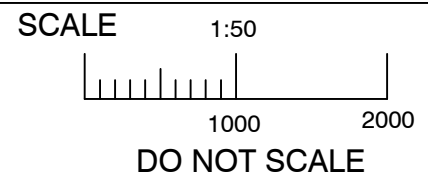


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LEGEND

- HA01-1 FIXTURE NUMBER
- 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.
- [B] AC UNIT - REQUIRED TO BE MOUNTED ON SUITABLE ANTI-VIBRATION PAD.
- [C] COMPRESSOR PACK - TO BE MOUNTED ON SUITABLE ANTI-VIBRATION MOUNT.
- [D] GAS COOLER - TO BE MOUNTED ON SUITABLE ANTI-VIBRATION PAD.
- [E] MINIMUM PLANT AREA FENCE TO BE 2.4M HIGH.
- [F] GAS COOLERS ARE SUPPLIED WITH ISOLATOR & CONTROL PANEL ON THE PIPE END, UNLESS OTHERWISE STATED.

FEASIBILITY

Revision	Details	Drawn	Date
01	Updated To Architects Latest Layout.	JRG	23.07.19
00	Preliminary Issue.	T.A	10.07.19

Site Address: Co-Op Bedhampton Rd Hampshire PO93PT	
Drawing Title: PROPOSED REFRIGERATION PLANT LAYOUT	
Consultant: --	
Design Engineer: James G	
Date: 10.07.19	Drawn By: T.A
Checked By: James G	Drawing No: CR3
Revision: 01	Scale: Various @ A1
Contract No: QR C4123	Derived File: AD O63