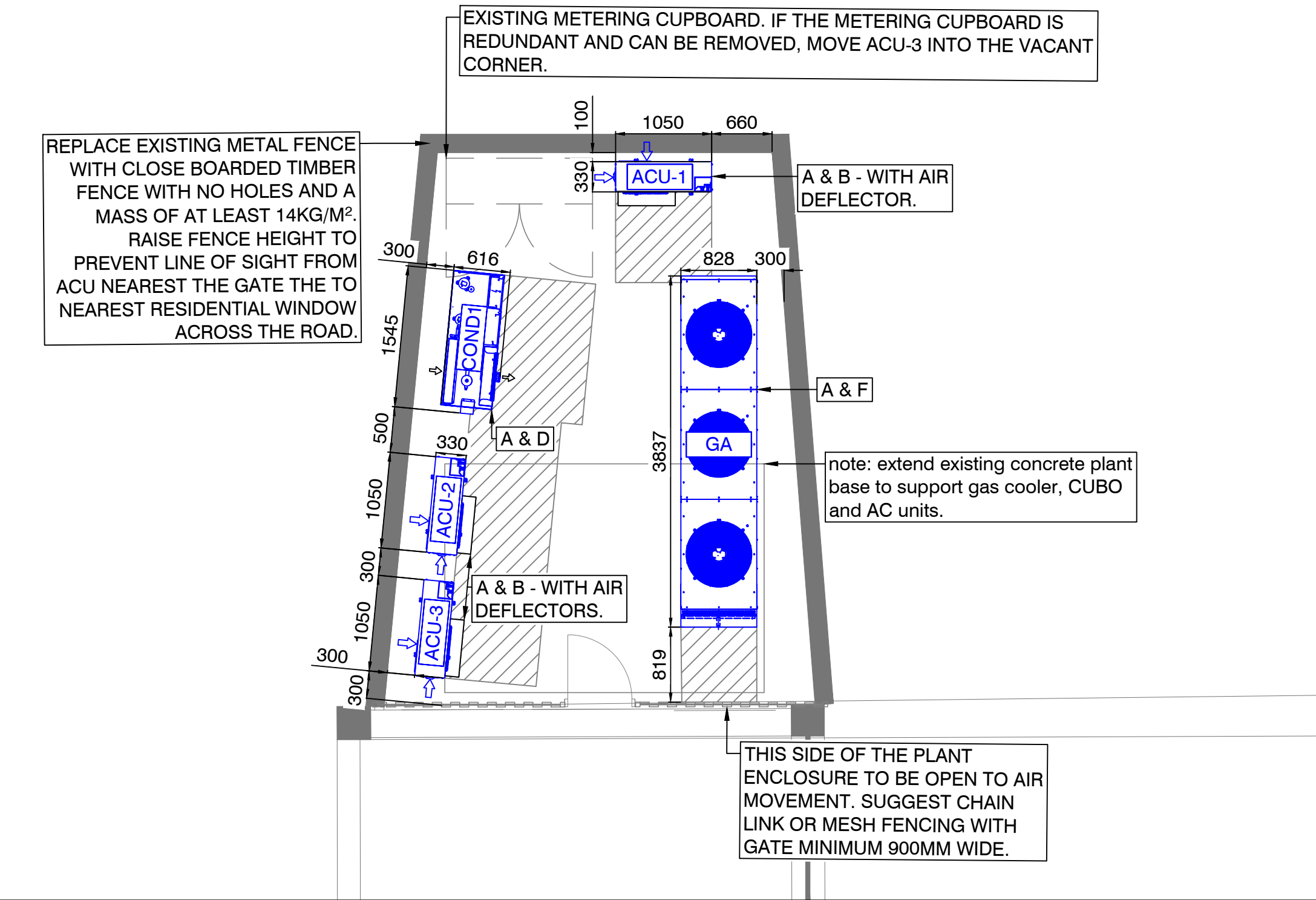
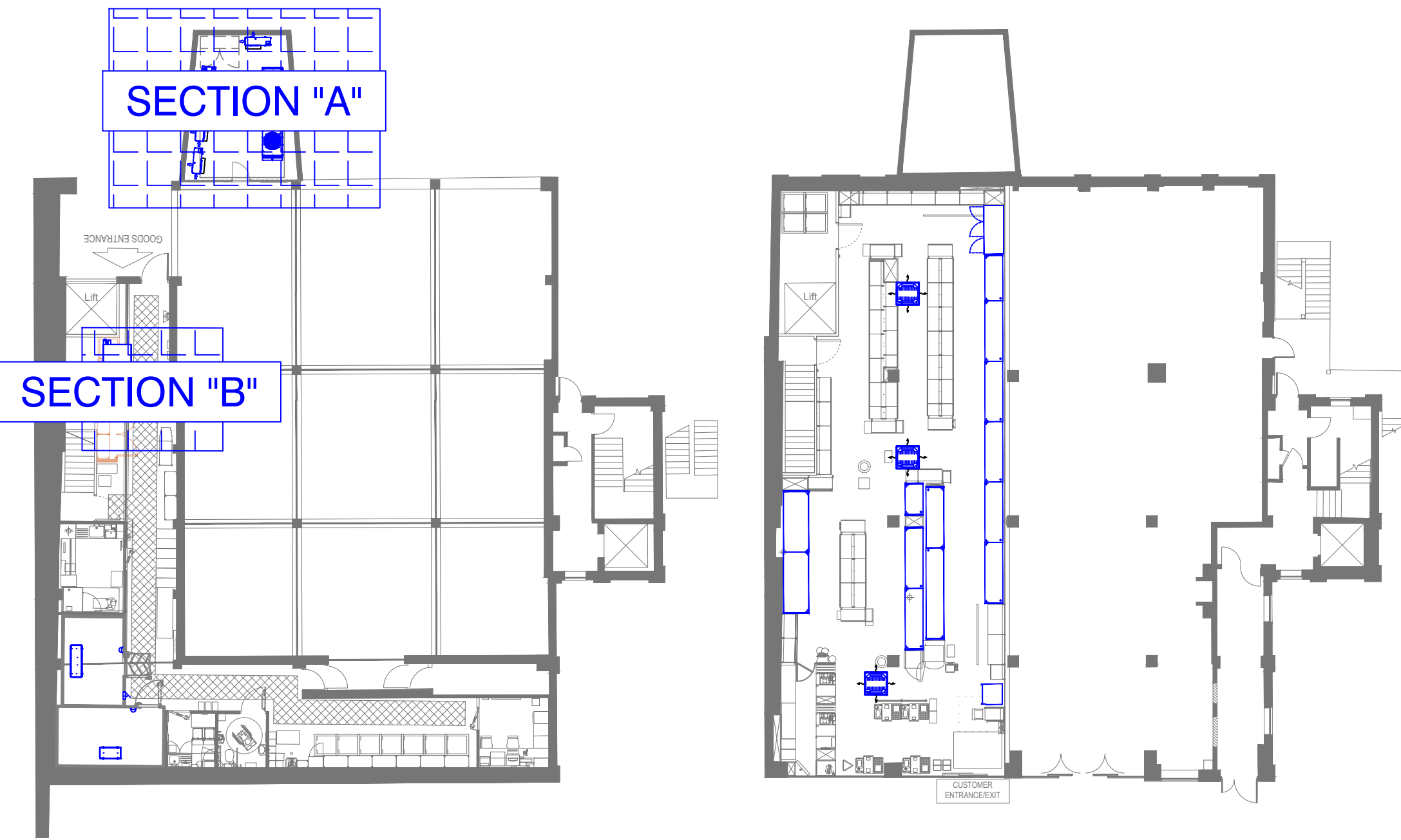


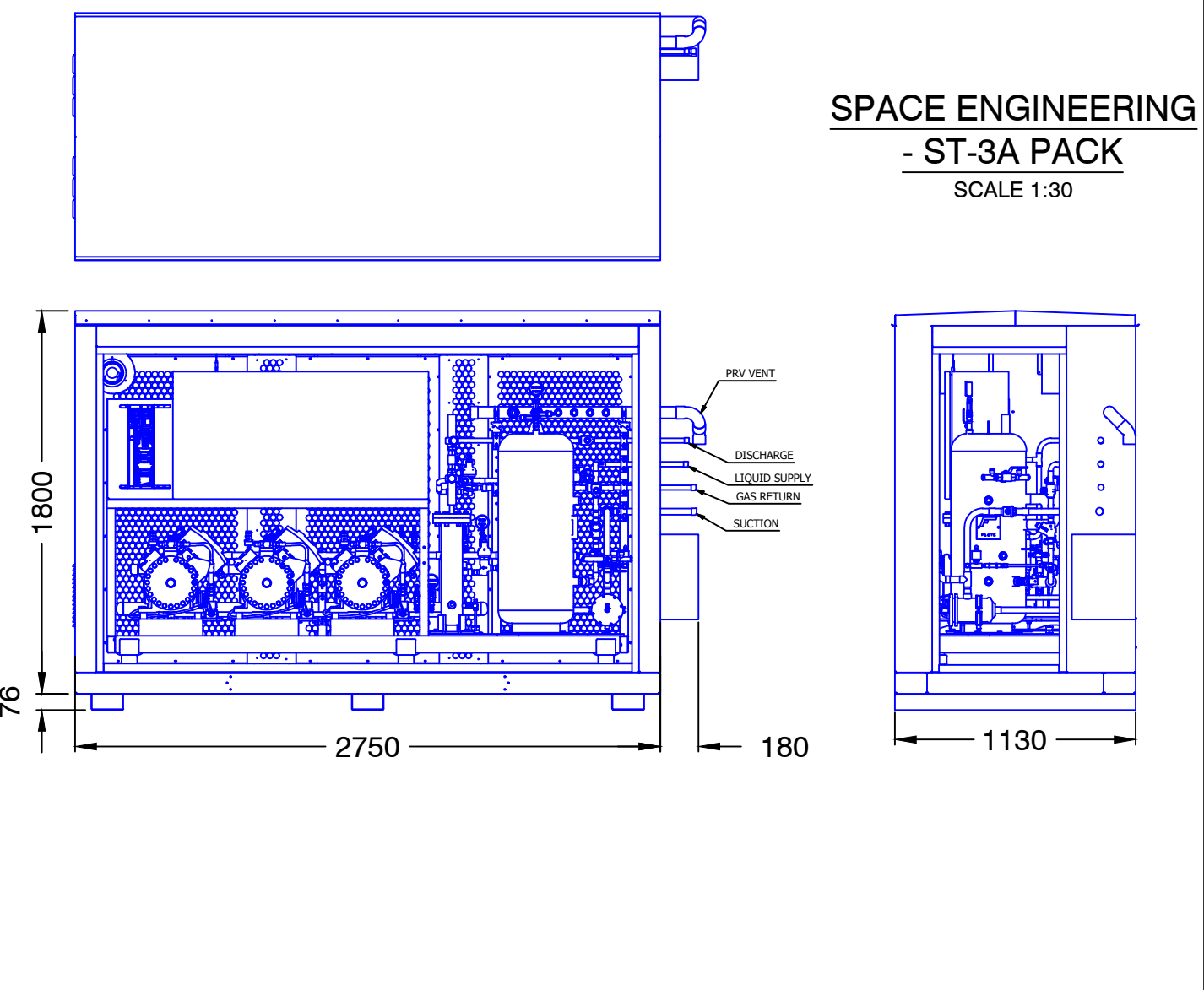
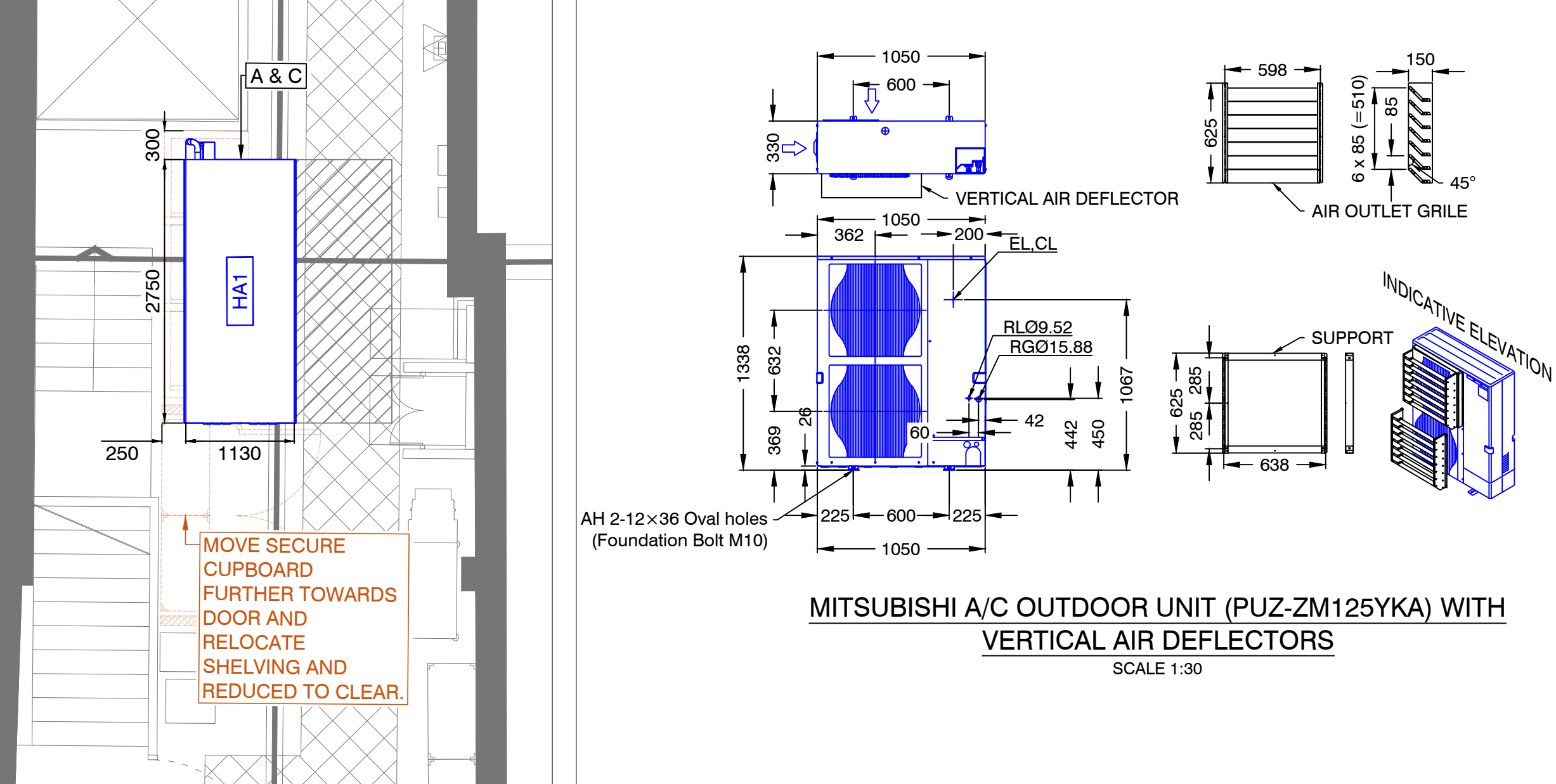
PLANT AREA (SECTION "A") @ 1:50



STORE PLAN OVERVIEW (NTS)



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

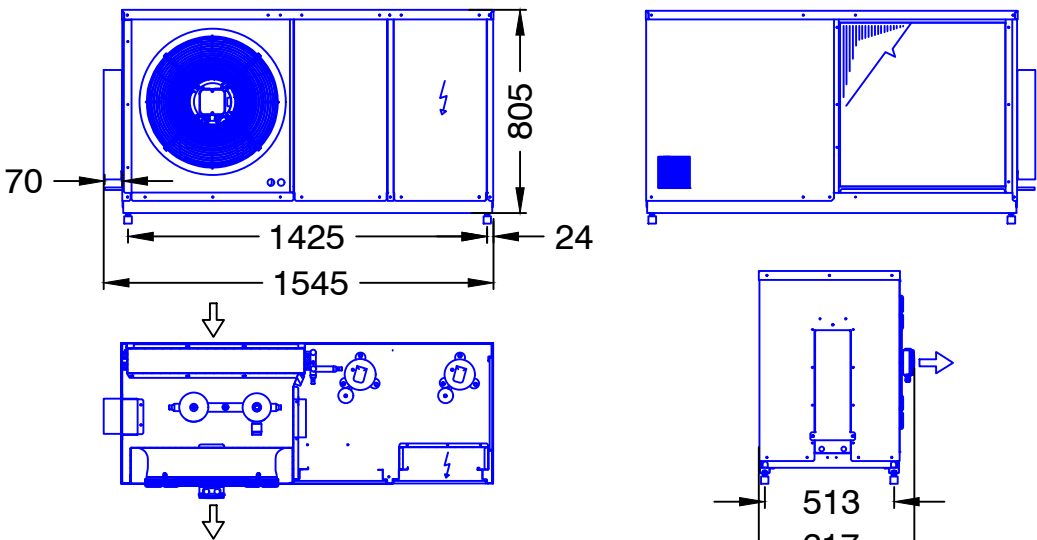
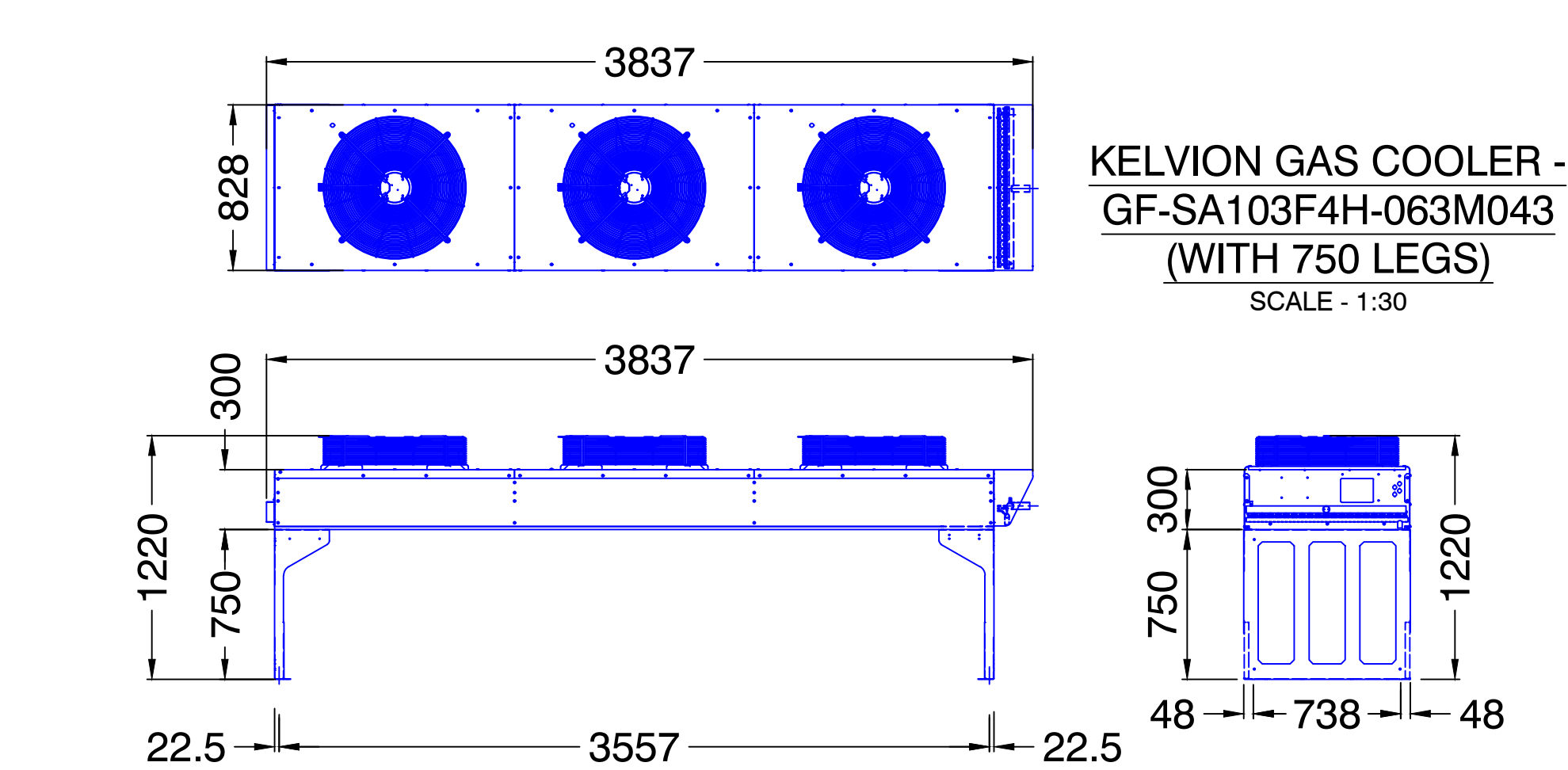


HA1 Space Engineering			REFRIGERATION PACK SELECTION							PACK DETAILS					R744
Reference	Compressor Model	Manufacturer	New/Exist	SST (°C)	Evap Capacity (kW)	THR (kW)	Design current (A/ph)	Full load Current (A/ph)	Electrical Connection	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Max dBA Rating @10m	
HA1	4MTL-07X [INV]	Copeland	New	-7	13.05	21.90	15.94	17.50	415v/3ph/50hz	2750	1130	1800	1500	30	
HA2	4MTL-07X	Copeland	New	-7	11.65	19.30	12.48	17.50							
HA3	4MTL-07X	Copeland	New	-7	11.65	19.30	12.48	17.50							
HT TOTALS					48.00	79.80	53.38	70.00							
PACK & GAS COOLER TOTALS							54A	70A	Pressure Relief Valves (High):		120.00 bar	Pressure Relief Valves (Low):		60.00 bar	

GAS COOLER SELECTION																	
Reference	Model	Manufacturer	New / Existing	Refrigerant	Gas Cooler 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)	Weight (kg)	Dimensions (LxWxH) (mm)	Pipe / Fin Material	Pipe Sizes (In / Out)	dB(A) @ 10m Day / Night
GA	GF-SA103F4H-063M043	Kelvion	New	R744	37 / 35	2	79.80	0.3	0.3	400V/3Ph/50Hz	4.0/4.0	60/60	213	3924 x 828 x 1220	Cu/Al Mg	1-1/8 & 1-1/8 (K65)	24 / 24

CONDENSING UNIT SELECTION																
Reference	Condensing unit model	Compressor Model	New/Exist	Manufacturer	Refrigerant	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
COND1	Cubo 2	UMTT 030 BTDX	New	SCM	R744	-29	3.3	NA	26.8	26.8	230/1ph/50hz	1545	805	620	176	41

AIR CONDITIONING - SELECTION DETAILS																	
Item (Sys-FCU)	Model	Make	New/Existing	Type	Refrigerant	Position	Duty - Cooling (kW)	Duty - Heating (kW)	MCB Rating	Electrical Connections	FLA	Weight (kgs)	Refrigerant weight (kg)	Tail Sizes (S&L)	Pipe / Fin Material	Dimensions (L x W x H)	Noise dBA @1m
ACU-1	PUZ-ZM125YKA	Mitsubishi	New	Outdoor Unit	R32	Plant	-	-	16	380-415/3Ph/50hz	5.32	125	4	0		1050 x 330 x 1338	54 / 52
ACU-2	PUZ-ZM125YKA	Mitsubishi	New	Outdoor Unit	R32	Plant	-	-	16	380-415/3Ph/50hz	5.32	125	4	0		1050 x 330 x 1338	54 / 52
ACU-3	PUZ-ZM125YKA	Mitsubishi	New	Outdoor Unit	R32	Plant	-	-	16	380-415/3Ph/50hz	5.32	125	4	0		1050 x 330 x 1338	54 / 52



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SCALE 1:50

DO NOT SCALE

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 CONDENSING UNIT - 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.

PRELIMINARY

00 Preliminary Issue.

CD 14.06.19

Revision Details Drawn Date

Site Address: Northwood Hills, 53 The Broadway
Joel Street, London, HA6 1NZ

Drawing Title: PROPOSED REFRIGERATION PLANT LAYOUT

Consultant: Kevin Wall

Design Engineer: Richard Staniforth

Date: 14.06.19 Drawn By: CD

Checked By: R Staniforth Drawing No: CR3

Revision: 00 Scale: Various @ A1

Contract No: QR R3274 Derived File: P1-F4-M0