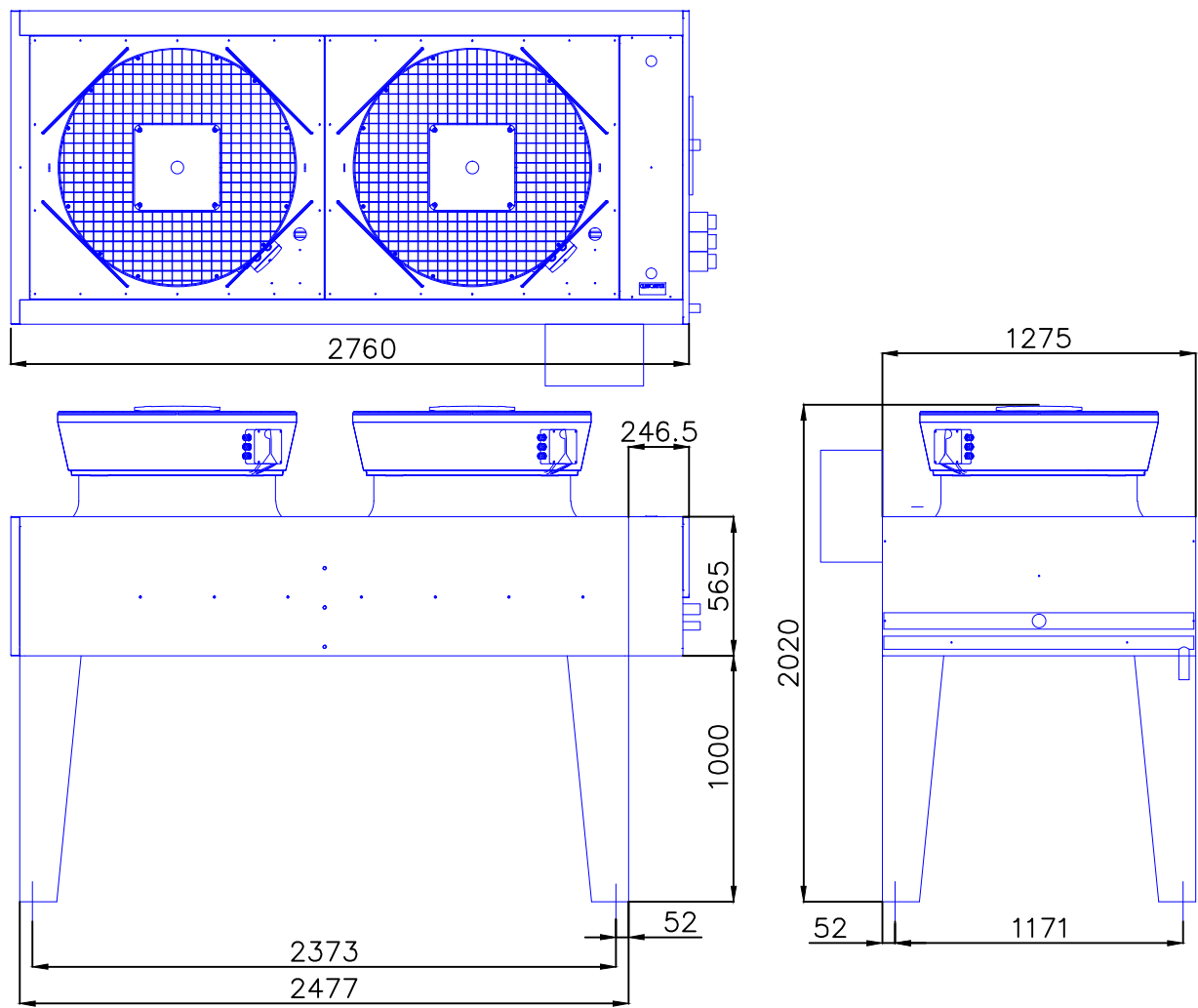
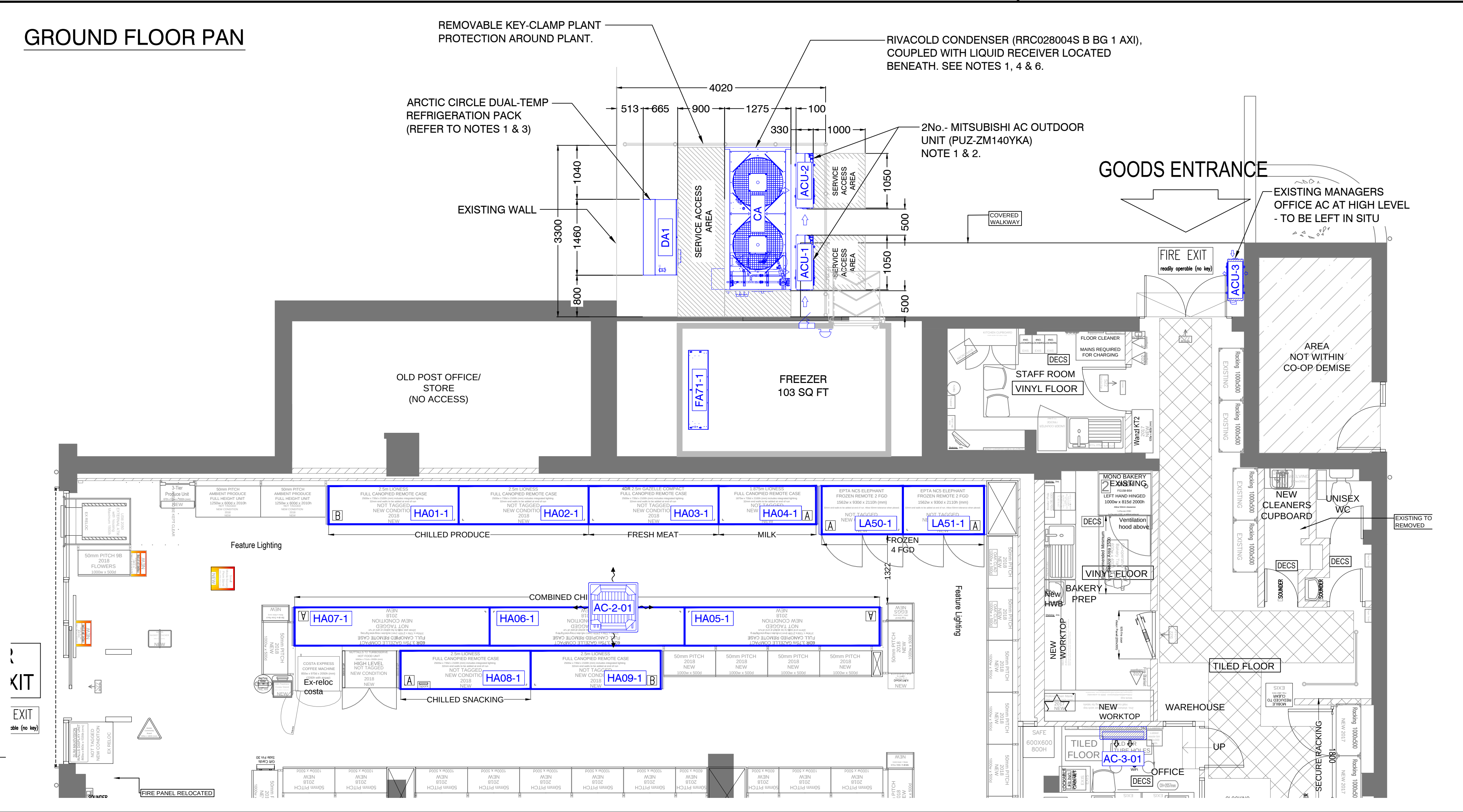
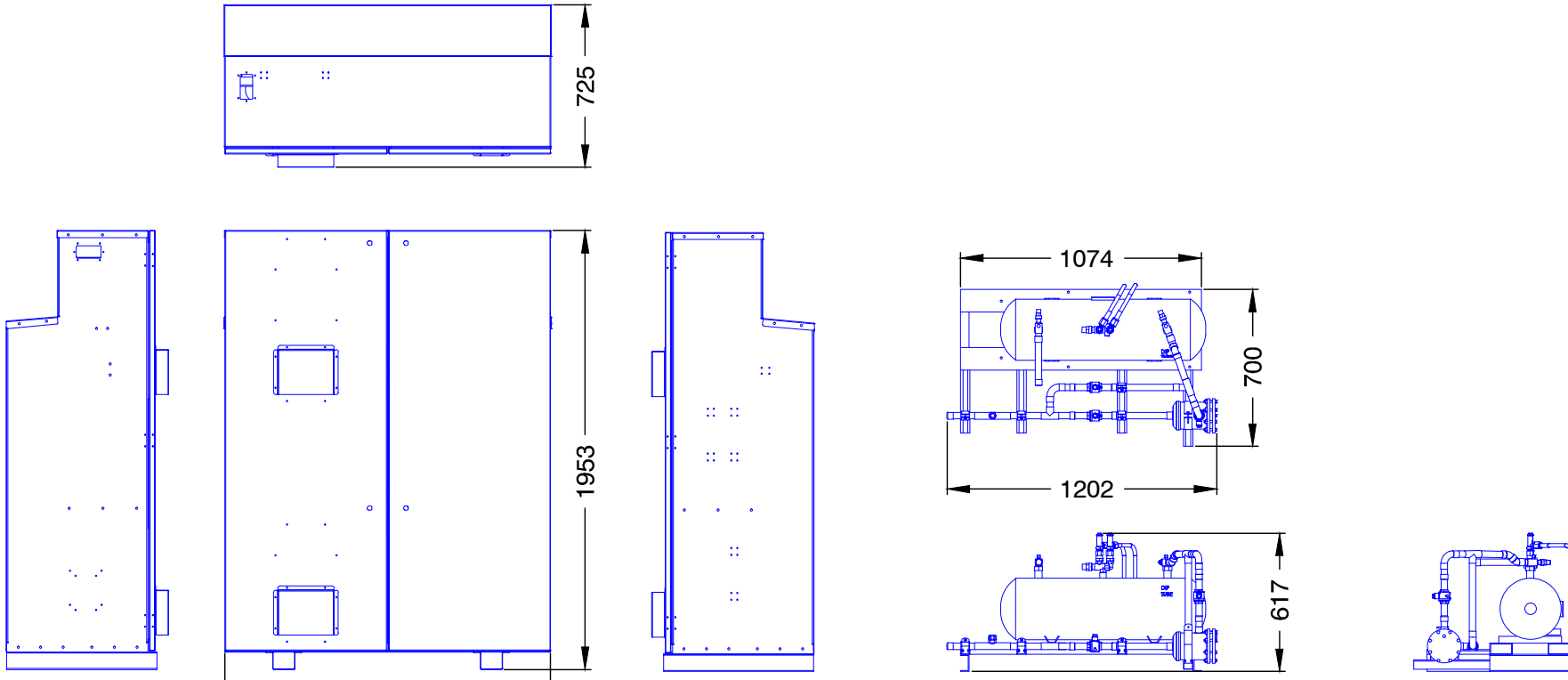


GROUND FLOOR PAN



RIVACOLD- CONDENSER WITH AXITOP
(RRC028004S B BG I AXI)
SCALE 1 : 30M



ARCTIC CIRCLE PACK W/O AIR
BOXES 1450 x 669 x 1953mm
SCALE 1:30

46 LITRE RECEIVER
STANDARD ASSEMBLY

DA1	Arctic Circle			REFRIGERATION PACK SELECTION					PACK DETAILS					R448a
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	ZBD45KCE-TFD	Copeland	New	-7	11.85	15.90	9.08	12.30	415v/3ph/50hz	1450	725	1953	655	25
HA2	ZB45KCE-TFD	Copeland	New	-7	11.85	15.90	9.08	13.10						
HA3	ZB45KCE-TFD	Copeland	New	-7	11.85	15.90	9.08	13.10						
HT TOTALS					35.55	47.70	27.24	38.50						
LOW TEMPERATURE COMPRESSOR SELECTION														
LA1	ZF13K4E-TFD	Copeland	New	-31	2.71	5.64	5.61	8.00	415v/3ph/50hz	1450	725	1953	655	25
LA2	ZF13K4E-TFD	Copeland	New	-31	2.71	5.64	5.61	8.00						
LT TOTALS					5.42	11.28	11.22	16.00						
PACK TOTALS					40.97	58.98	38.46	54.50						

CONDENSER SELECTION															Refrigerant	R448a	
Reference	Model	Manufacturer	New / Existing	Refrigerant	Condensing / 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
CA	RRC028004S B BG I AXI	Rivacold	New	R448a	43 / 35	8	59.00	1.17	2.85	3 x 400V - 50Hz	7.8 / 3.8	22 / 62	404	2760 x 1275 x 2020	Cu/ Alup Blygold	42mm / 35mm	36 / 20

Receiver Detail				
Reference	Manufacturer	Orientation	Size (Ltr)	Connections sizes Inlet / Outlet
RA	Arctic Circle	Horizontal	46	1-1/8

Air Conditioning - Selection Details																
Item (Sys-FCU)	Model	Make	New/Existing	Type	Refrigerant	Position	Duty - Cooling (kW)	Duty - Heating (kW)	MCB Rating	Electrical Connections	FIA	Weight (kgs)	Refrigerant weight (kg)	Tail Sizes (S&L)	Pipe / Fin Material	Noise dBA @ 1m
ACU-1	PUZ-ZM140YKA	Mitsubishi	New	Outdoor Unit	R32	Plant	3.83	3.15	16	380-415/3Ph/50hz	6.23	131	4	0		1050 x 330 x 1338 52 / 50
ACU-2	PUZ-ZM140YKA	Mitsubishi	New	Outdoor Unit	R32	Plant	3.83	3.15	16	380-415/3Ph/50hz	6.23	131	4	0		1050 x 330 x 1338 52 / 50
ACU-3	MUZ-GC35VA	Mitsubishi	Existing	Outdoor Unit	R410a	Plant	0.86	0.96	16	220-240v, 50Hz	5	9	0.85	-		800x285x550 48 / 47



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SCALE 1:50

1000 2000

DO NOT SCALE

THIRD ANGLE PROJECTION

LEGEND	
HA01-1	FIXTURE NUMBER
	SERVICE AREA

PLEASE NOTE THAT ALL CDM DESIGN / WORKS BY MAIN CONTRACTOR

PRELIMINARY

- SMOOTH AND LEVEL BASE REQUIRED FOR REFRIGERATION PLANT AND AC OUTDOOR UNITS - TO BE PROVIDED BY THE BUILDER.
- AC UNIT - REQUIRED TO BE MOUNTED ON SUITABLE ANTI-VIBRATION PAD.
- COMPRESSOR PACK - TO BE MOUNTED ON SUITABLE ANTI-VIBRATION MOUNT.
- CONDENSER - TO BE MOUNTED ON SUITABLE ANTI-VIBRATION STRIP.
- MINIMUM PLANT AREA FENCE TO BE 2.4M HIGH.
- CONDENSERS ARE SUPPLIED WITH ISOLATOR & CONTROL PANEL ON THE PIPE END, UNLESS OTHERWISE NOTED.

Notes

				Site Address: Co-op Barnham 3-6 The Square Bognor Regis PO22 0HB	
				Drawing Title: PROPOSED REFRIGERATION PLANT LAYOUT	
				Consultant: A Sabater	
				Design Engineer: J Gow	
				Date: 01.02.2018	Drawn By: VA
				Checked By: J Gow	Drawing No: CR3
00	Preliminary Issue.	VA	01.02.18	Revision: 00	Scale: 1:50@A1
Revision	Details	Drawn	Date	Contract No: QR C2326	Derived File: P6F7M0