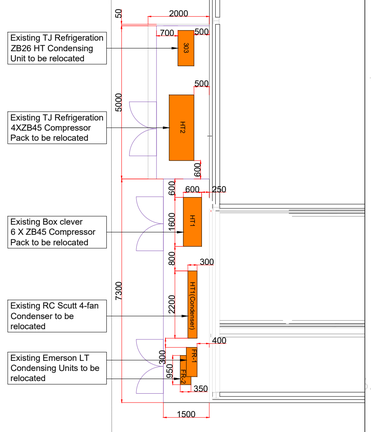
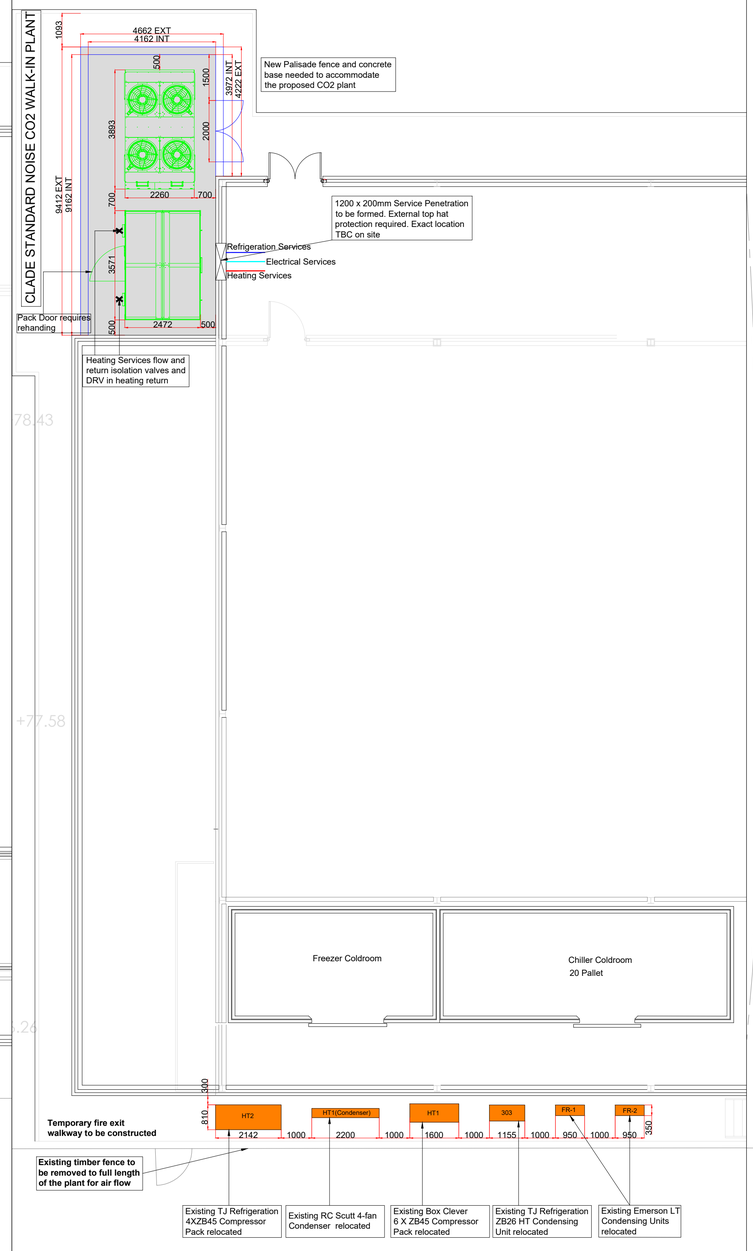
Existing Plant Layout:

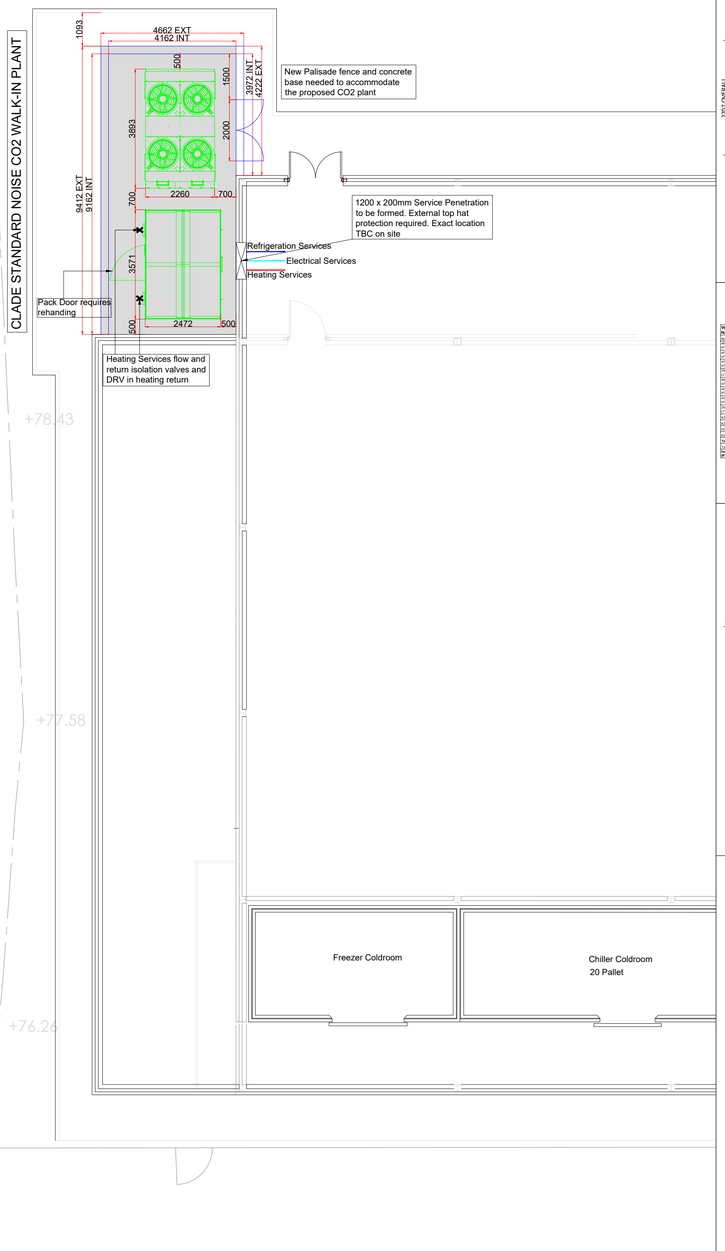




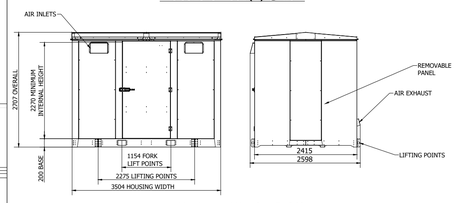
Interim Plant Layout:



Proposed Plant Layout:



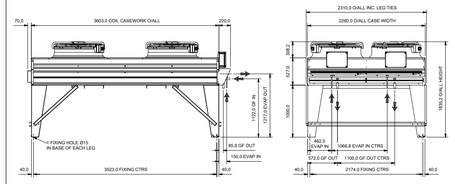
CLADE Standard Noise Walk-in CO2 Pack
Noise level 45dB(A) @ 10m



Maximum Weight: 5430kg

'NI-511-VN Standard Noise Walk In		Octave Band Frequency (Hz)								
	dB(A)	63.000	125.000	250.000	500.000	1000.000	2000.000	4000.000	8000.000	
8HP CR1										
AHU 1HK (Compressor Pack 1	81.9	62.2	72.0	80.2	81.8	76.1	74.2	72.9	64.7	
8HP CR1										
AHU 1HK (Compressor Pack 1	82.4	69.1	72.0	75.0	77.3	77.0	74.8	71.6	70.7	
8HP CR1										
AHU 1HK (Compressor Pack 1	82.4	69.1	69.0	74.2	76.6	77.0	77.8	74.6	69.7	
8HP CR1										
CLADE STK (Compressor Pack 1	78.5	70.1	69.7	72.4	69.2	71.8	74.6	66.3	61.5	
8HP CR1										
AHU 1MK (Compressor Pack 2	81.9	62.2	72.0	80.2	81.8	76.7	74.8	72.9	64.7	
8HP CR1										
AHU 1MK (Compressor Pack 2	82.4	69.1	72.0	75.0	77.3	77.0	74.8	71.6	70.7	
8HP CR1										
AHU 1MK (Compressor Pack 2	81.4	69.1	69.0	74.2	76.7	76.9	77.8	74.6	69.7	
8HP CR1										
CLADE STK (Compressor Pack 2	78.5	70.1	69.7	72.4	69.2	71.8	74.6	66.3	61.5	
8HP CR1										
EVC1DRK3001 Vent Fan Outlet	67.3	55.9	59.6	62.5	56.9	63.4	62.7	56.5	46.2	
EVC1DRK3001 Vent Fan Outlet	67.3	55.9	59.6	62.5	56.9	63.4	62.7	56.5	46.2	
EVC1DRK3001 Vent Fan Outlet	67.3	55.9	59.6	62.5	56.9	63.4	62.7	56.5	46.2	
Total Internal Sound Power	**92.4**	**81.6**	**88.7**	**91.1**	**92.2**	**91.9**	**94.2**	**92.2**	**77.3**	**[NR]**
Total Attenuated Sound Power	73	61	67	70	67	66	68	62	49	[NR] Limit
Internal Sound Pressure @1m	**83.8**	**72.7**	**80.3**	**82.1**	**83.2**	**82.9**	**85.3**	**83.3**	**68.3**	[NR] Limit @1m

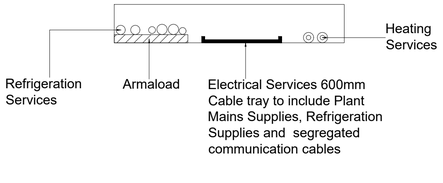
Kelvion Gas Cooler
GF-PC202F5H+E2H-091E600
Noise Level 42dB(A) @10m



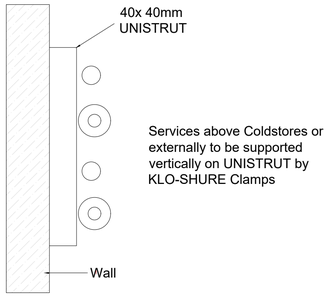
Maximum Weight: 1650kg

	Design Conditions	**277.6kW**
	SAP Part	100634562
		GF-PC202F5H+E2H-091E600
Model		**GF-PC202F5H+E2H-091E600**
Refrigerant		R744
Trans Critical Conditions		**5 Rows, 12FPI**
Duty [tc]	kW	279.6
Ambient [tc]	°C	36.0
Mass Flow Rate [tc]	kg/s	1.2
Gas Pressure [tc]	barg	95.0
Gas Inlet Temp [tc]	°C	116.0
Gas Outlet Temp [tc]	°C	38.0
Pressure Drop [tc]	kPa	76
Sections per Unit		2
Circuits per Section		65
Inlet Connection		2 x 1-3/8" K65 (OD 34.92 mm)
Outlet Connection		2 x 1-3/8" K65 (OD 34.92 mm)
Connection Ends		Same End
Sub Critical Conditions		
Air On	°C	10.00
Condensing	°C	20.00
Sub Cooling	K	1.00
Inlet Temperature	°C	71.00
THR	kW	244.00
Air Volume	m³/s	19.20
Evaporator Section		**2 Rows, 5FPI**
Duty	kW	50.0
Air On	°C	3.0
Actual TD	K	8.0
Dew or Mid Point		Dew
Evaporating Temperature	°C	-5.0
No Of Sections		2
No of Circuits Per Section		10
Inlet Connection		2 x 5/8" equivalent
Outlet Connection		2 x 7/8" equivalent
Connection Ends		Same End
Fan Data		
Sound Pressure Level	dB(A)	40 @ 10 m
Mean Sound Pressure Level	dB(A)	42 @ 10 m
Sound Power Level	dB(A)	75
Sound Spectrum 125 Hz	dB	74
Sound Spectrum 250 Hz	dB	73
Sound Spectrum 500 Hz	dB	73
Sound Spectrum 1 kHz	dB	71
Sound Spectrum 2 kHz	dB	64
Sound Spectrum 4 kHz	dB	58
Sound Spectrum 8 kHz	dB	51
Air Volume	m³/s	19.2
Input Power (Total)	kW	2.3
Energy Rating		
Rows Of Fans		2
Fans Per Row		2
Electrical Supply	V/Φ/Hz	400/3/50
Fan Speed	rpm	600
Control Voltage for EC Fansets	V	6.9
Starting Current Per Fan	A	2.08 (4.9 max)
Full Load Current Per Fan	A	1.6 (3.5 max)
Unit Data		
Tube/Fin Material		CU/CU
Max. Operating Pressure	bar	120 / 80
Max. Operating Temperature	°C	150 / 80
Surface Area	m2	440 + 136
Internal Volume	dm³	46 + 48
Dry Weight	kg	-
PED Category		0

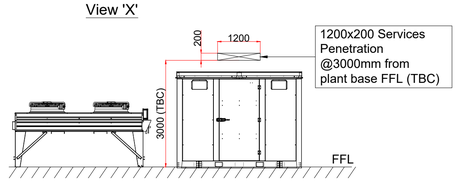
1200 x 200 SERVICE PENETRATION DETAILS



WALL MOUNTED SERVICES



SECTIONAL DETAILS



Note:

1. Refrigeration Contractor to advise on service penetrations prior to core drill.
2. Exposed Refrigeration services to receive top hat protection.
3. Plant access door and position to be agreed with the refrigeration contractor.
4. Fire escape routes are to be maintained throughout the store refit and must not be obstructed at any time.

Plant Key:

- Existing - to remain in situ
- Existing - to be relocated
- Existing - to be removed for refurb
- Existing - to be removed for scrap
- Temporary equipment
- New equipment

Builders Work Key:

- Existing - to remain in situ
- Existing - to be removed
- Temporary
- New
- New Concrete base

Rev	Date	Details	Revised	Checked
B	04/10/19	New plant compound gate location changed and coldrooms amended	GD	AD
A	06/09/19	Proposed plant position changed	AD	GD

Project:
ALDI
CLAYCLIFFE ROAD, BARUGH GREEN

Store ID: #57-GOL

Client:

wave
1 Prospect Street
Crosshills
Keighley
BD20 7RH
Tel: 07539 155417
E-Mail: Nicka@wave-refrigeration.com

Drawing Title:
PROPOSED PLANT LAYOUT

Client Drawing Revision:
2585-110

Wave Consultant: NICK ANTILL
Drawn By: VT
First Drawn: 17-07-2019
Scale: 1:100 ON ISO A1
Checked: PR
Approved: NA

Drawing No: 19-GOL-57-06
Revision: B