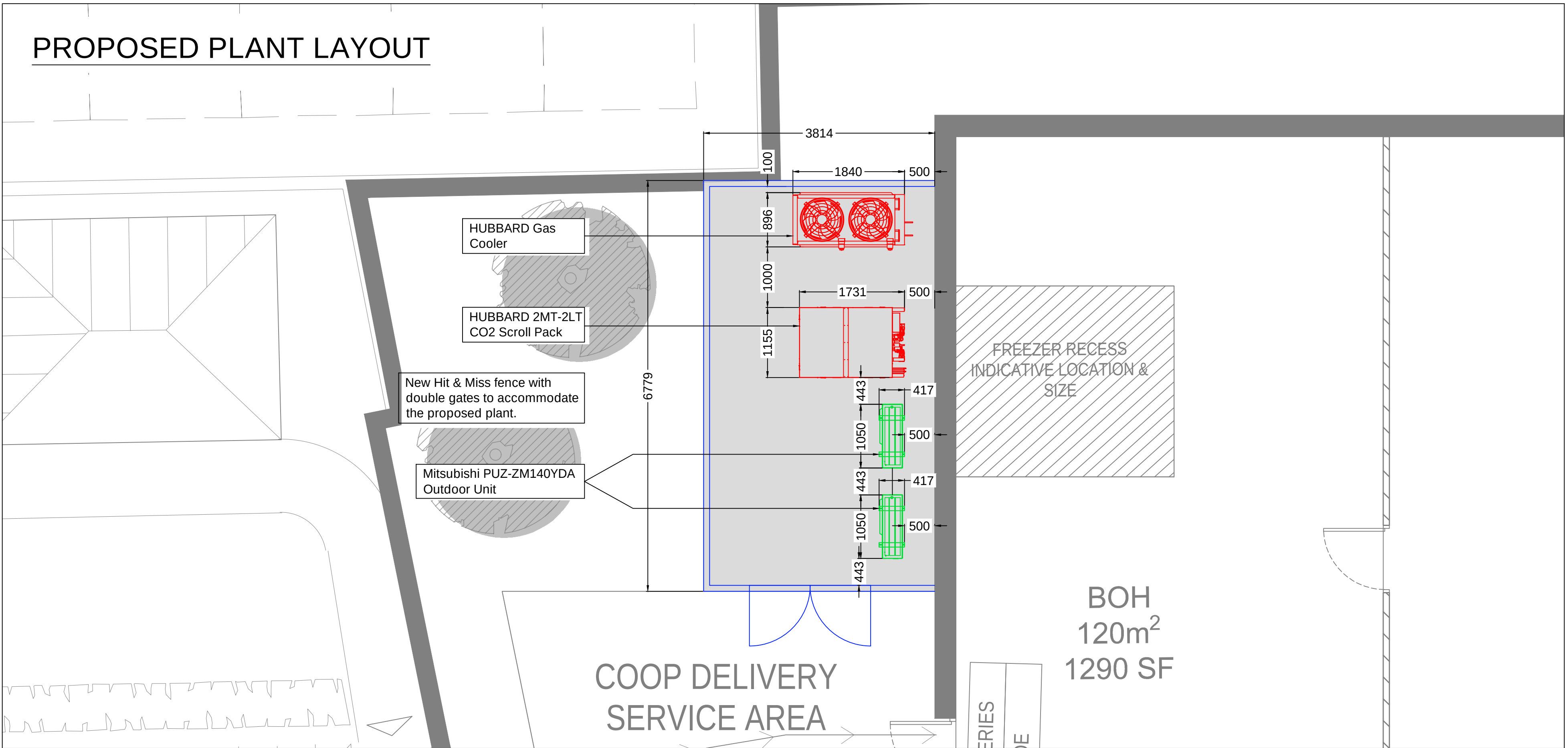
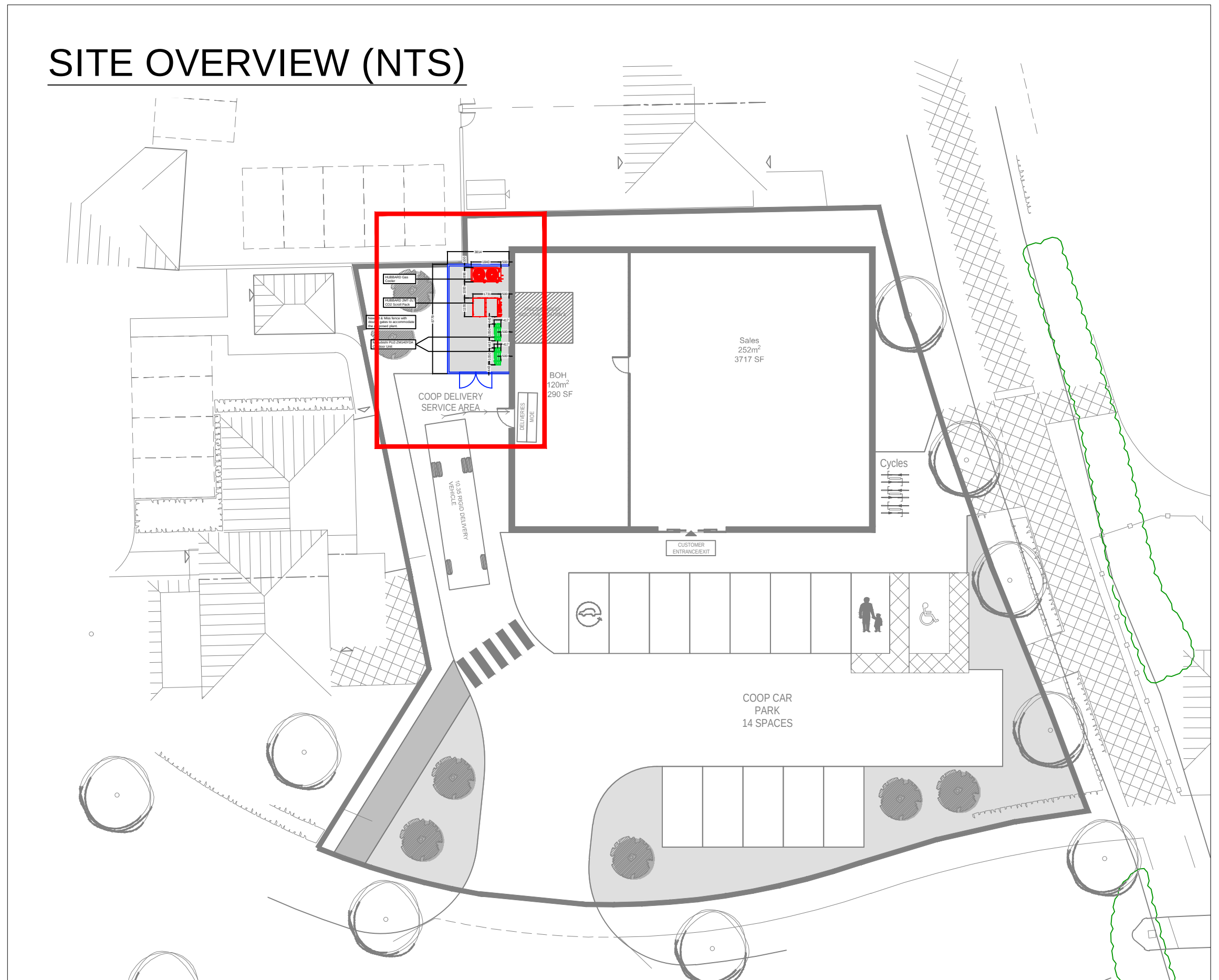


PROPOSED PLANT LAYOUT



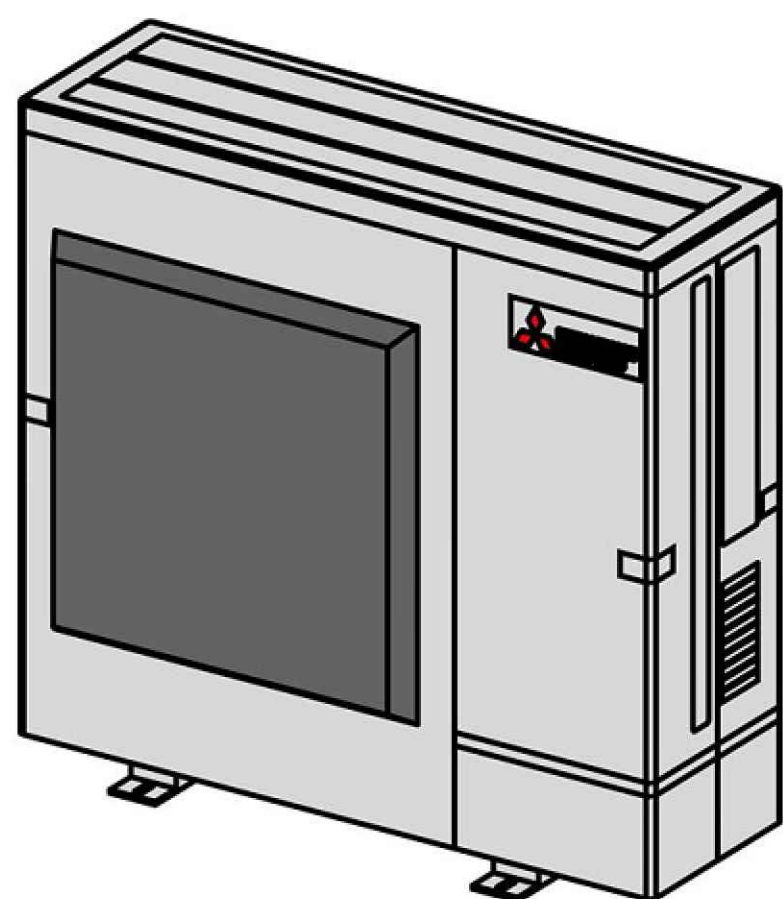
SITE OVERVIEW (NTS)



AC UNIT DETAILS

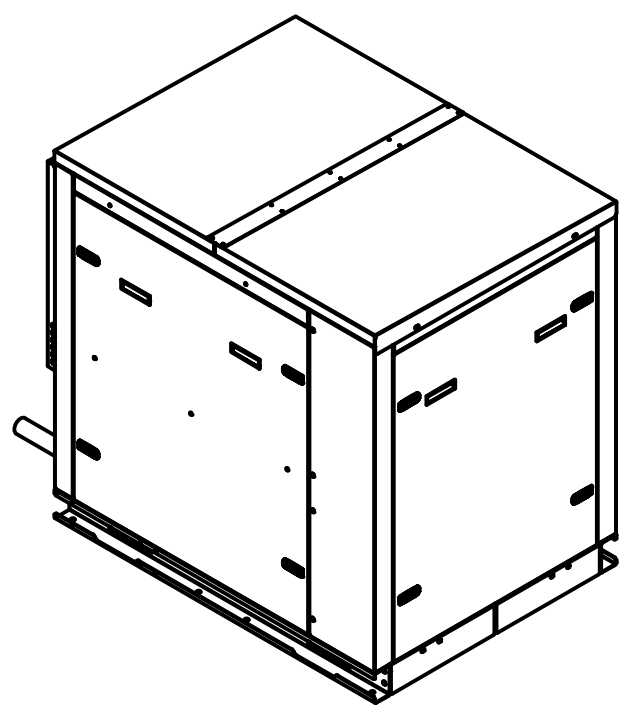
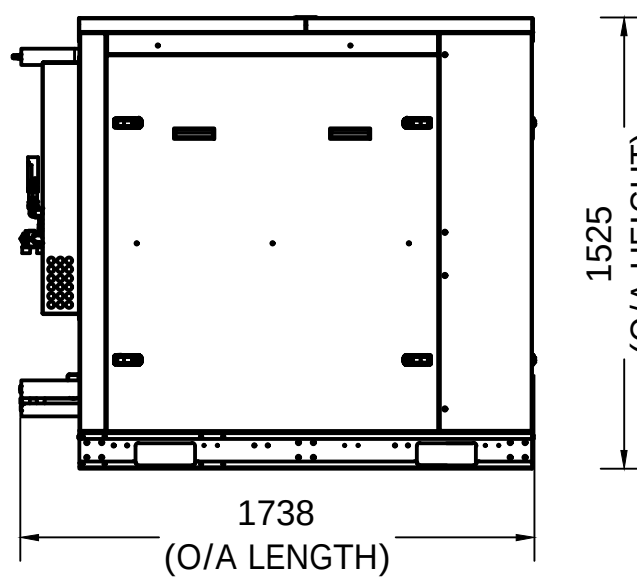
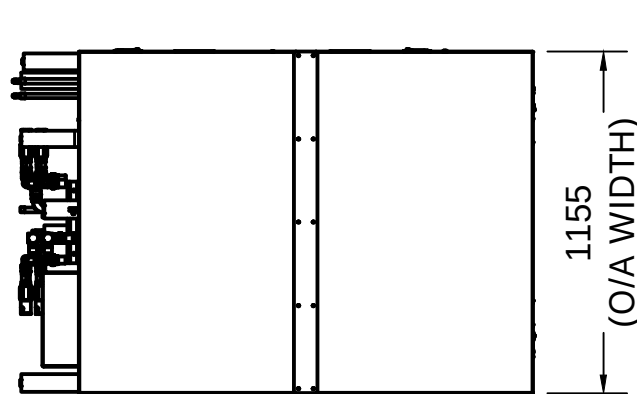
PUZ-ZM - OUTDOOR UNITS		PUZ-ZM140YDA
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 49
SOUND POWER LEVEL (dBA)	Cooling	68
WEIGHT (kg)		121
DIMENSIONS (mm)	Width x Depth x Height	1100 x 460 + 45 x 870
ELECTRICAL SUPPLY		380-415v, 50Hz
PHASE		Three
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	4.572 / 3.622
	Heating/Cooling (UK)	3.75 / 3.08
STARTING CURRENT (A)		3.5
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	7.02 / 5.56 [9.7]
FUSE RATING (BS88) - HRC (A)		16
MAINS CABLE NO. CORES		5
MAX PIPE LENGTH (m)		100
MAX HEIGHT DIFFERENCE (m)		30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)	R32 (GWP 675) - 40m	3.60 / 2.43
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)	R32 (GWP 675)	2.40 / 1.62

Three Phase



PACK AND GAS COOLER DETAILS

Technical Data: 2MT-2LT Scroll Pack – 20dB(A)		
Refrigerant	CO2 (R744)	
	Make	Model
	Copeland (MT)	1 x ZTW16AG-4X9 (Inverter)
	Copeland (MT)	1 x ZTI36AG-TFPMN (Standard)
	Copeland (LT)	1x ZOV18AG-9X9 (Inverter)
Compressors	Copeland (LT)	1x ZO18AG-TFD (Standard)
	Ambient	35°C
	GC Outlet	37°C
	Min (MT) -4°C SST	9.69 kW
	Min (LT) -29°C SST	2.44 kW
Capacity	Available (MT) -4°C SST	25 kW (60%)
	Available (LT) -29°C SST	8 kW (69%)
	Make	Coolers & Condensers
	Model	GFHD1.2-126AMg-FN063.H3
	Blygold	Yes/No
Gas Cooler	Required THR	48 kW
	Available THR	50 kW
	Gas Cooler Noise Level	20 dB(A) @ 10m
	Gas Cooler Weight	455 kg (dry)
	Control Voltage	4.0 V
Details	Power Supply	3-Phase & Neutral
	Design Run Current	39 Amps
	Full Load Current	63 Amps
	Total Weight (with Skid)	Approx. 1500 kg (dry)
	Noise Level	20 dB(A) @ 10m (approx)
	Discharge PRV - Dual	120 bar
	Receiver PRV - Dual	80 bar
	MT Suction PRV - Dual	60 bar
	LT Suction PRV - Dual	45 bar
	Liquid Receiver	37.5L (80 bar)
	PESR	CAT III
	Heat Recovery	Optional cost
	Make	
	Model	
	Weight	



WAVE Refrigeration
Unit 16G
Calderdale Business Park
Club Lane, Ovenden
Halifax
HX2 8DB
Tel: 07966927005
E-mail: alans@wave-refrigeration.com
www.wave-refrigeration.com

LEGEND

- Hubbard CO2 Scroll Pack
- Hubbard Gas Cooler
- Mitsubishi Outdoor Unit
- Hit & Miss Fence
- Concrete Slab

SCALE 1:50
1000 2000
DO NOT SCALE

THIRD ANGLE PROJECTION

This drawing has been produced to provide guidance on the size and configuration of likely plant required for this scheme ahead of a detailed design being undertaken by the installing contractor.

No plant or equipment is to be ordered based on this drawing.

Shown plant consists of the latest Coop model dual temperature housed CO2 scroll pack with matched gas cooler utilising centrifugal fans to suit a ducted arrangement.

Basis for plant selection:

- 26m HT Remote Cabinets
- 5m of LT Remote Cabinets
- 1 x HT Cold Room
- 1 x LT Cold Room

Final A/C selection to be determined by installing contractor.

This site has plant space over 2 floors; the scroll pack is located on the ground floor for easy maintenance access and installation. The gas cooler is located on the first floor with the VRV to allow better air flow through the existing louvre arrangement. Ducted exhaust from the gas cooler is proposed to help ensure no recirculation of warm air.

Equipment has been selected to suit a low noise requirement, the exact noise levels to be achieved must be defined by a noise consultant.

All plant is to be landed within existing building plant areas - no planning requirement for plant is anticipated.

This drawing is a feasibility layout only.

Notes	Notes	Revision	Details	Drawn	Date

Site Address: The Co-op: Salisbury Netherhampton Road

Drawing Title: PROPOSED REFRIGERATION PLANT LAYOUT

Consultant: AS

Design Engineer: SP

Date: 10-10-2025 **Drawn By:** SP

Checked By: AS **Drawing No:** CR3

Revision: 0 **Scale:** 1:50@A1

Contract No.: - **Derived File:** S100-F