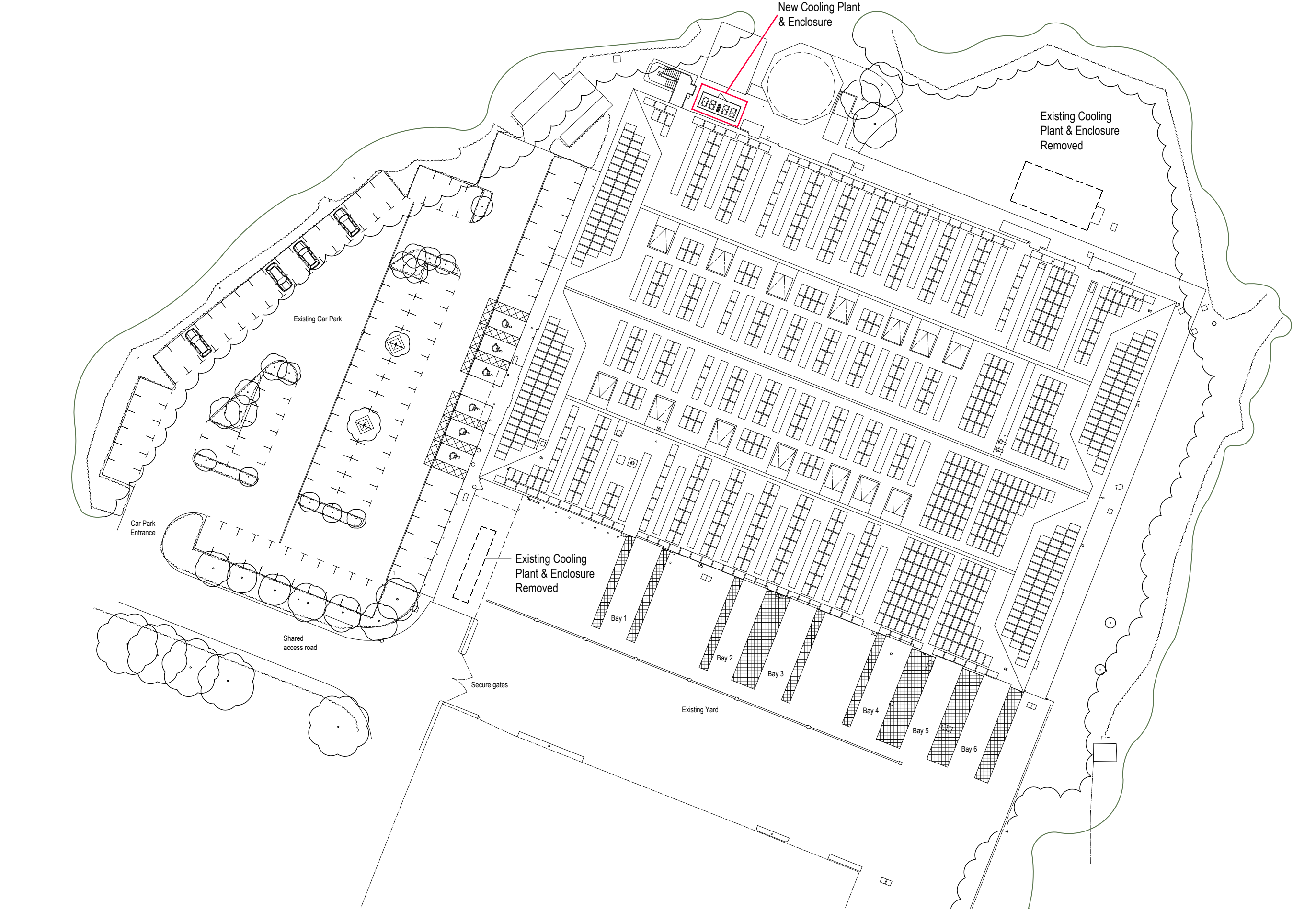
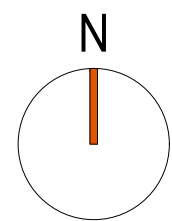
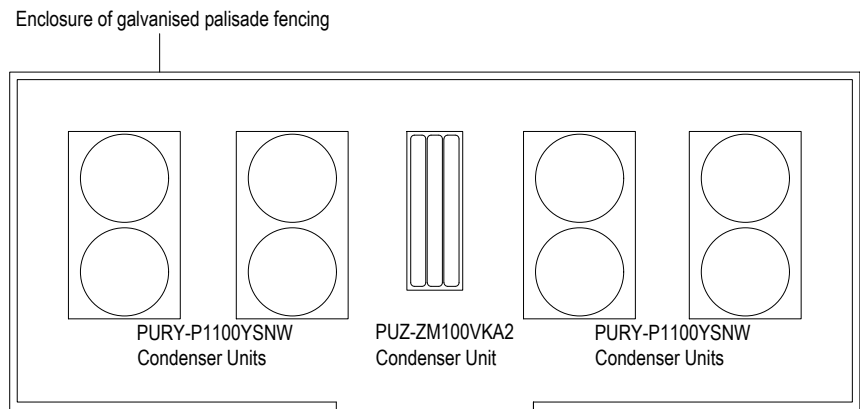
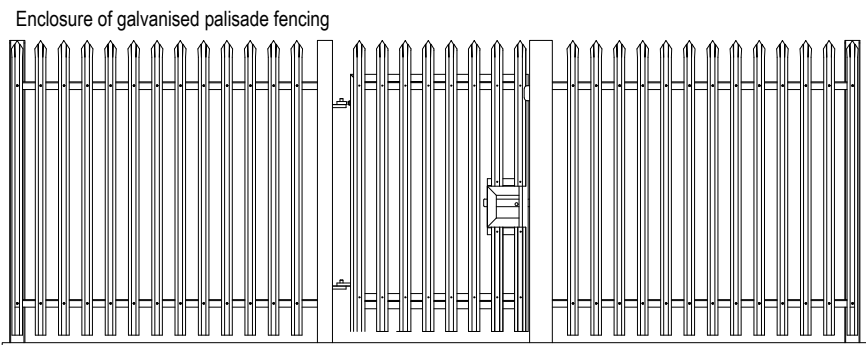




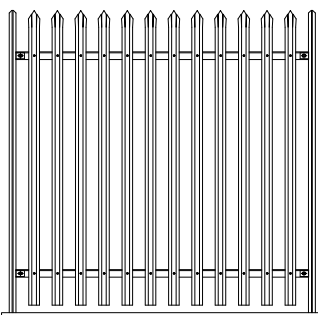
Chiller Plant & Enclosure Location Plan



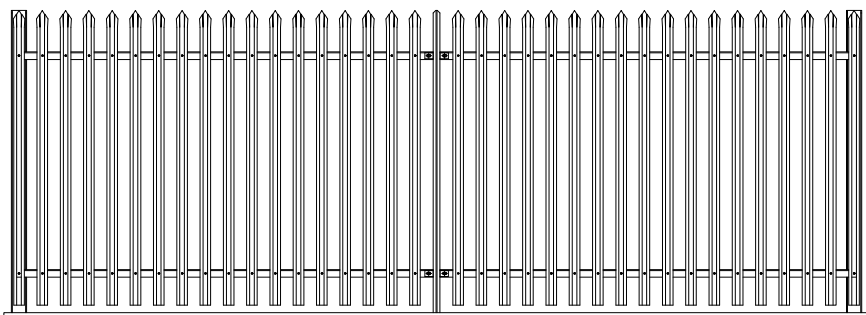
Cooling Plant & Enclosure Plan



Front (North)



Sides (East & West)



Rear (South)

Elevations of Enclosure

0 1m 1:50 3m



PUZ-ZM - OUTDOOR UNITS		PUZ-ZM100VKA2
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	51 / 49
SOUND POWER LEVEL (dBA)	Cooling	69
WEIGHT (kg)		116
DIMENSIONS (mm)	Width x Depth x Height	1050 x 530 x 40 x 1339
ELECTRICAL SUPPLY		220-240v, 50Hz
PHASE		Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	2.545 / 2.261
	Heating/Cooling (UK)	2.03 / 1.94
STARTING CURRENT (A)		10.7
SYSTEM RUNNING CURRENT (A)	Heating/Cooling (MAX)	8.64 / 8.44 (22.3)
FUSE RATINGS (BS88) - HRC (A)		32
MAINS CABLE NO. CORES		3
MAX PIPE LENGTH (m)		100
MAX HEIGHT DIFFERENCE (m)		50
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)	R32 (GWP 675)	3.60 / 2.43 (40m)
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)	R32 (GWP 675)	2.40 / 1.62

PUZ-ZM100VKA2 Condenser Unit Specification



OUTDOOR UNITS		PUY-P1100YSNW-A1
CAPACITY (kW)	Heating (nominal)	140.0
	Cooling (nominal)	124.0
	High Performance Heating (UK)	126.0
	OOP Priority Heating (UK)	120.4
	Cooling (UK)	111.0
POWER INPUT (kW)	Heating (nominal)	42.42
	Cooling (nominal)	45.09
	High Performance Heating (UK)	47.93
	OOP Priority Heating (UK)	41.15
	Cooling (UK)	29.31
COP / EER (nominal)		3.30 / 2.75
MAX No. OF CONNECTABLE INDOOR UNITS		50
MAX CONNECTABLE CAPACITY		50-150% OLU Capacity
AIRFLOW (m³/min)	High	410 / 410
	Gas	41.28 (1-5-6")
PIPE SIZE mm (in)	Liquid	34.93 (1-3/8")
SOUND PRESSURE LEVEL (dBA) @ 1m	Heating / Cooling	73.0 / 69.0
SOUND POWER LEVEL (dBA) @ 100% Capacity	Heating / Cooling	92.0 / 86.0
SOUND POWER LEVEL (dBA) @ 90% Capacity	Heating / Cooling	85.5 / 81.0
SOUND POWER LEVEL (dBA) @ 75% Capacity	Heating / Cooling	81.5 / 77.5
WEIGHT (kg)		335 + 335
DIMENSIONS (mm)	Width	1750 + 1750
	Depth	740
(1750mm without legs)	Height	1896
ELECTRICAL SUPPLY ¹⁾		380-415v, 50Hz
PHASE ²⁾		Three
STARTING CURRENT (A) ³⁾		8
NOMINAL SYSTEM RUNNING CURRENT (A) ⁴⁾	Heating / Cooling (MAX)	68.0 / 72.3 (47.5 + 47.5)
GUARANTEED OPERATING RANGE (°C)	Heating / Cooling	-20-15.5 / -5-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A) ⁵⁾		1 x 50 / 1 x 50
MAINS CABLE No. Cores ⁶⁾		4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)	R410A (GWP 2088)	21.6 / 45.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)	R410A (GWP 2088)	77.4 / 161.6

PUY-P1100YSNW Condenser Unit Specification

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MODEL FILE REFERENCE - 22009-A-P-PL

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date: 2022.11
drawn: AJC
checked: dp
status: RIBA STAGE 03 - Planning
client: F&C Commercial Property Holdings Limited
project: Unit 2 Strategic Park, Hedge End, SO30 4DA.
drawing: Cooling Plant & Enclosure Details

2022.11.01
date
AJC
by
dp
A Planning issue.
rev. description

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