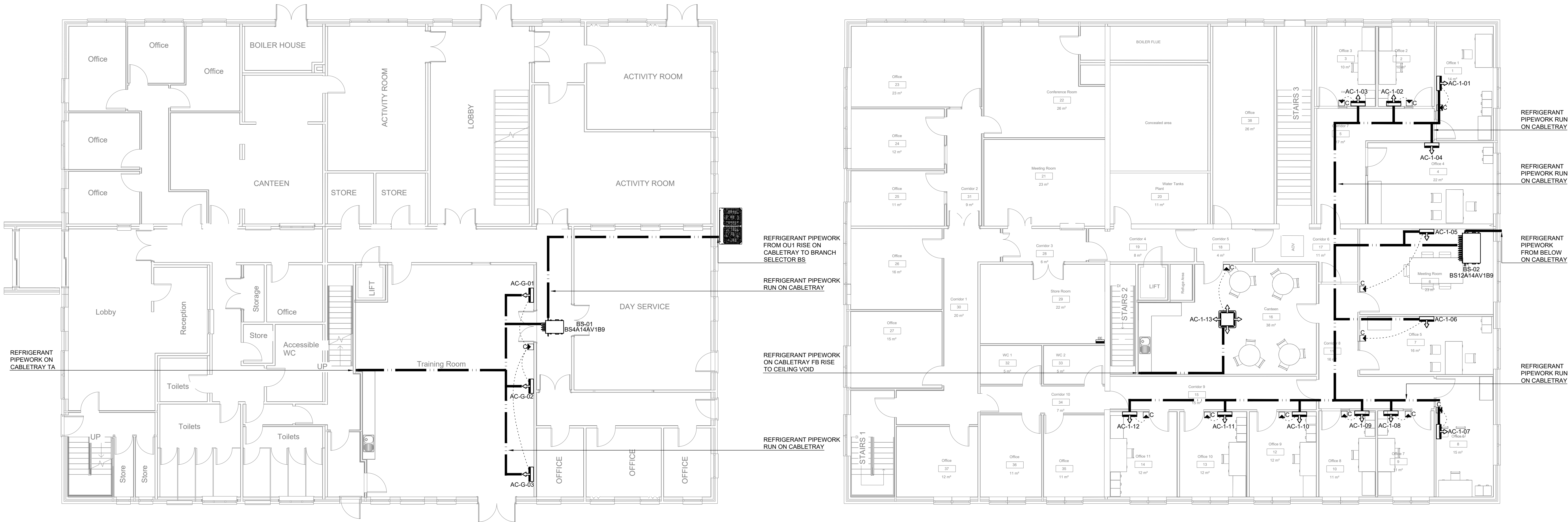


VARIABLE REFRIGERANT VOLUME - INDOOR UNIT SCHEDULE																							
REF	FLOOR	ROOM	"BASIS OF DESIGN (DAIKIN)"	"NOMINAL CAPACITY"	TYPE	CONNECTED TO:		SUPPLY FAN	COOLING CAPACITY				HEATING CAPACITY				ELECTRICAL			DIMENSIONS		WEIGHT	
						CONDENSING UNIT	"ZONE CHANGEOVER DEVICE"	"AIR FLOW RATE m³/s"	REQUIRED		AVAILABLE		ENTERING AIR		"REQUIRED kW"	"AVAILABLE kW"	"ENTERING AIR °C DB"	POWER SUPPLY	Min Circuit Amps	"Max Overcurrent Protection"	WxHxD		Net
									TOTAL kW	SENSIBLE kW	TOTAL kW	SENSIBLE kW	°C DB	°C WB									
AC-G-01	Ground Floor	Training Room	FXAA50A	5	Wall mounted unit	OU 1	Yes	0.23667	n/a	n/a	3.7	3.0	22.0	15.4	n/a	5.8	22.0	230V 1ph	0.5	6.0	1,050 x 290 x 269	15.0	
AC-G-02	Ground Floor	Training Room	FXAA50A	5	Wall mounted unit	OU 1	Yes	0.23667	n/a	n/a	3.7	3.0	22.0	15.4	n/a	5.8	22.0	230V 1ph	0.5	6.0	1,050 x 290 x 269	15.0	
AC-G-03	Ground Floor	Training Room	FXAA50A	5	Wall mounted unit	OU 1	Yes	0.23667	n/a	n/a	3.7	3.0	22.0	15.4	n/a	5.8	22.0	230V 1ph	0.5	6.0	1,050 x 290 x 269	15.0	
AC-1-01	Floor 1	Office 1	FXAA20A	2	Wall mounted unit	OU 1	Yes	0.13167	n/a	n/a	1.5	1.1	22.0	15.4	n/a	2.3	22.0	230V 1ph	0.3	6.0	795 x 290 x 266	12.0	
AC-1-02	Floor 1	Office 2	FXAA20A	2	Wall mounted unit	OU 1	Yes	0.13167	n/a	n/a	1.5	1.1	22.0	15.4	n/a	2.3	22.0	230V 1ph	0.3	6.0	795 x 290 x 266	12.0	
AC-1-03	Floor 1	Office 3	FXAA25A	3	Wall mounted unit	OU 1	Yes	0.13833	n/a	n/a	1.9	1.5	22.0	15.4	n/a	2.9	22.0	230V 1ph	0.4	6.0	795 x 290 x 266	12.0	
AC-1-04	Floor 1	Office 4	FXAA40A	4	Wall mounted unit	OU 1	Yes	0.20333	n/a	n/a	3.0	2.4	22.0	15.4	n/a	4.6	22.0	230V 1ph	0.4	6.0	1,050 x 290 x 269	15.0	
AC-1-05	Floor 1	Meeting Room	FXAA40A	4	Wall mounted unit	OU 1	Yes	0.20333	n/a	n/a	3.0	2.4	22.0	15.4	n/a	4.6	22.0	230V 1ph	0.4	6.0	1,050 x 290 x 269	15.0	
AC-1-06	Floor 1	Office 5	FXAA32A	3	Wall mounted unit	OU 1	Yes	0.15667	n/a	n/a	2.4	1.9	22.0	15.4	n/a	3.7	22.0	230V 1ph	0.4	6.0	795 x 290 x 266	12.0	
AC-1-07	Floor 1	Office 6	FXAA25A	3	Wall mounted unit	OU 1	Yes	0.13833	n/a	n/a	1.9	1.5	22.0	15.4	n/a	2.9	22.0	230V 1ph	0.4	6.0	795 x 290 x 266	12.0	
AC-1-08	Floor 1	Office 7	FXAA20A	2	Wall mounted unit	OU 1	Yes	0.13167	n/a	n/a	1.5	1.1	22.0	15.4	n/a	2.3	22.0	230V 1ph	0.3	6.0	795 x 290 x 266	12.0	
AC-1-09	Floor 1	Office 8	FXAA20A	2	Wall mounted unit	OU 1	Yes	0.13167	n/a	n/a	1.5	1.1	22.0	15.4	n/a	2.3	22.0	230V 1ph	0.3	6.0	795 x 290 x 266	12.0	
AC-1-10	Floor 1	Office 9	FXAA20A	2	Wall mounted unit	OU 1	Yes	0.13167	n/a	n/a	1.5	1.1	22.0	15.4	n/a	2.3	22.0	230V 1ph	0.3	6.0	795 x 290 x 266	12.0	
AC-1-11	Floor 1	Office 10	FXAA20A	2	Wall mounted unit	OU 1	Yes	0.13167	n/a	n/a	1.5	1.1	22.0	15.4	n/a	2.3	22.0	230V 1ph	0.3	6.0	795 x 290 x 266	12.0	
AC-1-12	Floor 1	Office 11	FXAA20A	2	Wall mounted unit	OU 1	Yes	0.13167	n/a	n/a	1.5	1.1	22.0	15.4	n/a	2.3	22.0	230V 1ph	0.3	6.0	795 x 290 x 266	12.0	
AC-1-13	Floor 1	Canteen	FXAA63A	5	Ceiling Cassette unit	OU 1	Yes	0.27667	n/a	n/a	4.9	3.7	22.0	15.4	n/a	7.3	22.0	220V 1ph	0.4	6.0	840 x 204 x 840	21.0	

VARIABLE REFRIGERANT VOLUME - AIR-COOLED CONDENSING UNIT SCHEDULE																										
REF	"BASIS OF DESIGN (DAIKIN)"	"NOMINAL CAPACITY"	DESCRIPTION	COOLING CAPACITY		HEATING CAPACITY		REFRIGERANT CHARGE		"CONNECTION RATIO (%)"	"VOLTAGE-PHASE"	"MIN CIRCUIT AMPS (MCA)"				ELECTRICAL "MAX OVERCURRENT PROTECTION (MOP)"				"RUNNING CURRENT(I _{RA})"				DIMENSIONS		
				kW	AMBIENT DESIGN ("C DB)	kW	"AMBIENT DESIGN ("C DB / WB)"	Factory Charge (kg)	Add'l Refrigerant (kg)			mod #1	mod #2	mod #3	total	mod #1	mod #2	mod #3	total	mod #1	mod #2	mod #3	total			
OU 1	REYA20A9	20	Air cooled heat recovery (1)	40.2	28.0	39.7	-3.0 / -3.0	10.6	13.8	102.8	400V 3Nph	42.0				42.0	50.0			50.0	32.8			32.8	1,240 x 1,685 x 765	319.0



Ground Floor

First Floor

VARIABLE REFRIGERANT VOLUME - ZONE HEAT RECOVERY DEVICE SCHEDULE							
REF	"BASIS OF DESIGN (DAIKIN)"	CONDENSING UNIT SERVED	"VOLTAGE-PHASE"	MIN CIRCUIT AMPS (MCA)	MAX OVERCURRENT PROTECTION (MOP)	MAX CAPACITY (per Port)	DIMENSIONS (WxHxD mm)
BS-01	BS4A14AV1B9	OU 1	230V 1ph	0.5	6.0	41.0	600 x 291 x 845
BS-02	BS12A14AV1B9	OU 1	230V 1ph	1.1	6.0	41.0	1,400 x 291 x 845

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General notes:

This drawing to be read in conjunction with all relevant architectural drawings and specifications.

This drawing to be read in conjunction with all relevant mechanical and electrical drawings and specifications.

This drawing to be read in conjunction with all relevant dimensions in millimeters, do not scale from this drawing, only use figured dimensions only.

Contractor must verify all dimensions on site prior to installation of services and production of working drawings.

- D.X. AIR CONDITIONING GENERAL NOTES
- The contractor shall include for all necessary offsets to avoid other services.
 - All pipework to be insulated in accordance with specification.
 - Intumesce fire barrier putty to be fitted between pipe insulation and pipe sleeves on all pipework passing through walls and floors.
 - For schedules of equipment see specification.
 - The complete installation to be co-ordinate with all other services.
 - This drawing should be read in conjunction with the detail sheets.
 - This drawing should be read in conjunction with the current architects layout.
 - The minimum slope of condensate pipework to be 1:100.
 - The contractor shall include for all final connections to existing drainage.
 - The contractor shall include for counter flashing of all refrigerant pipework passing through roof.
 - Suitable access panels to be provided for all mechanical plant.
 - All new AC units to be linked to existing Mitsubishi central controller panel.

- Legend:
- HRU.00 HEAT RECOVERY UNIT
 - AC.00 WALL MOUNTED AC UNIT
 - OU.00 OUTDOOR AC CONDENSOR
 - ATT.00 ATTENUATOR
 - DX PIPEWORK (RUN ON CABLETRAY)
 - CONTROLLER WIRING
 - TEMPERATURE SENSOR
 - LOCAL CONTROLLER
 - CENTRAL CONTROLLER

C02	For Tender	13/07/2026
C01	For Tender	30/06/2026
Rev	Description	Date



Client: Corlann Ireland
Kilcoman House, Galway

Architect: Ian Sheehy
Askeaton Limerick

Project: Proposed Extension to Offices
Gort Road

Drawing: Mechanical Installation
DX Refrigerant Services
Ground & First Floor

MFC Project Reference | 26.3142 Scale | 1:100 A1

Drawn | GJA Checked | TK Approved | JM

Drawing Reference: Status: Rev:
26.3142-MFC-XX-00-DR-M-5500 (A4) (C02)