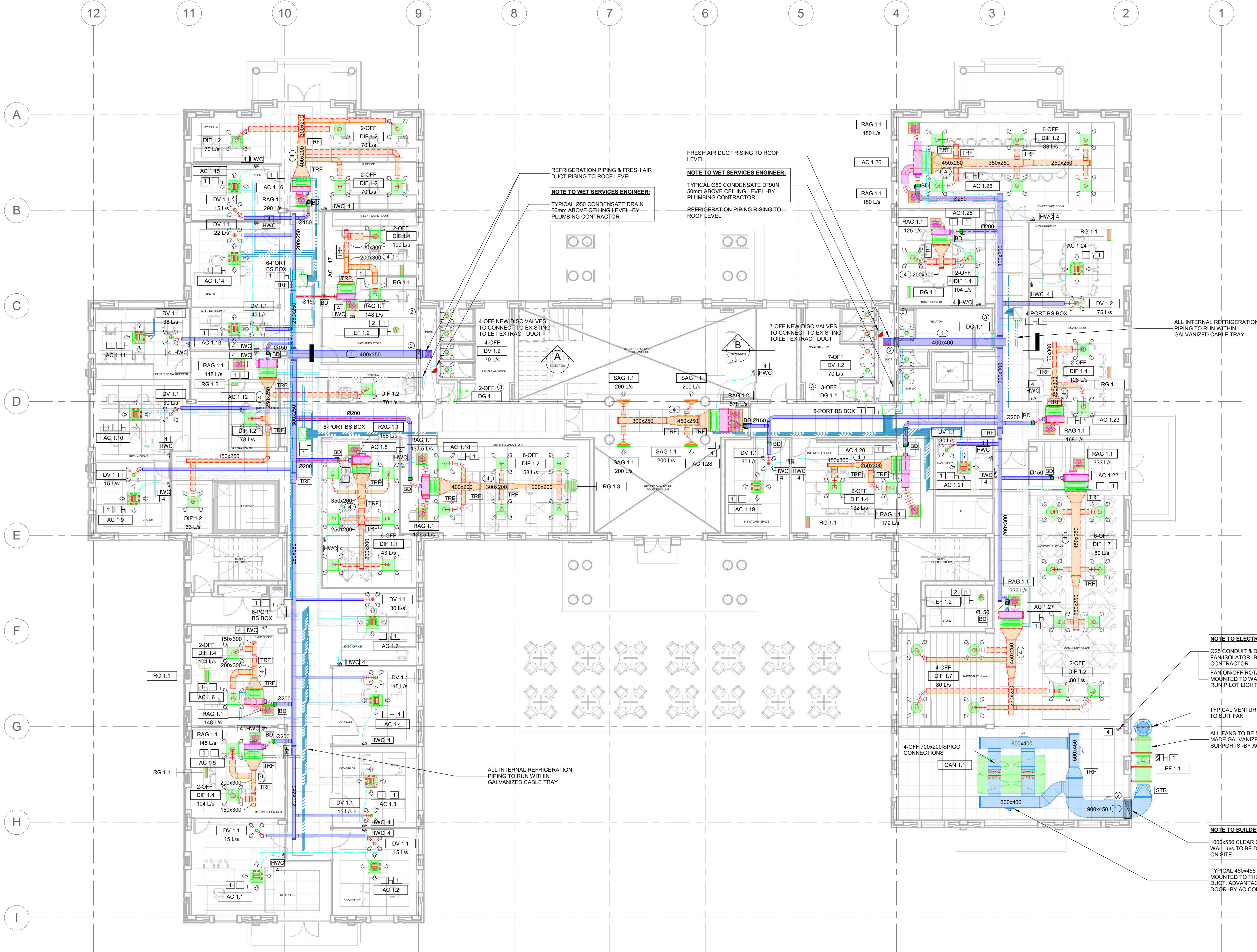




GROUND FLOOR

1 : 100

NOTES:

SUB-CONTRACTOR TO BE RESPONSIBLE FOR CHECKING ALL DIMENSIONS & COORDINATION BEFORE FABRICATION. THIS DRAWING TO BE READ IN CONJUNCTION WITH QUALITY SPECS

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ALL SPIGOTS TO BE INSULATED

BACKGROUND DRAWING INFORMATION:

Dwg No	Original	Description	Rev	Date Received

1001 DISC VALVES

Mark	Count	Description	Colour
DV 1.1	13	Ø150 DISC VALVE	WHITE
DV 1.2	12	Ø200 DISC VALVE	WHITE

1001 DIFFUSERS

Mark	Count	Description	Colour
DIF 1.1	6	CCD 565/565 PLATE Ø150 NECK	WHITE
DIF 1.2	24	CCD 565/565 PLATE Ø200 NECK	WHITE
DIF 1.4	12	CCD 565/565 PLATE Ø200 NECK	WHITE
DIF 1.7	8	CCD CIRCULAR PLATE Ø200 NECK	WHITE

1001 GRILLES

Mark	Count	Description	OBD	Colour
DG 1.1	6	400x300 DOOR GRILLE	NO	NATURALLY ANCHORED WHITE
RAG 1.1	15	600x600 CURVED BLADE RETURN AIR GRILLE c/w PLENUM & Ø300 SPIGOT	NO	WHITE
RAG 1.2	1	1200x600 CURVED BLADE RETURN AIR GRILLE c/w PLENUM & 2-OFF Ø350 SPIGOTS	NO	WHITE
RG 1.1	7	600x200 CURVED BLADE RELIEF GRILLE	NO	WHITE
RG 1.2	1	300x150 CURVED BLADE RELIEF GRILLE	NO	WHITE
RG 1.3	1	600x600 CURVED BLADE RELIEF GRILLE	NO	WHITE
SAG 1.1	4	1200x150 LINEAR STRIP SUPPLY AIR GRILLE c/w PLENUM BOX & Ø300 SPIGOT	YES	WHITE

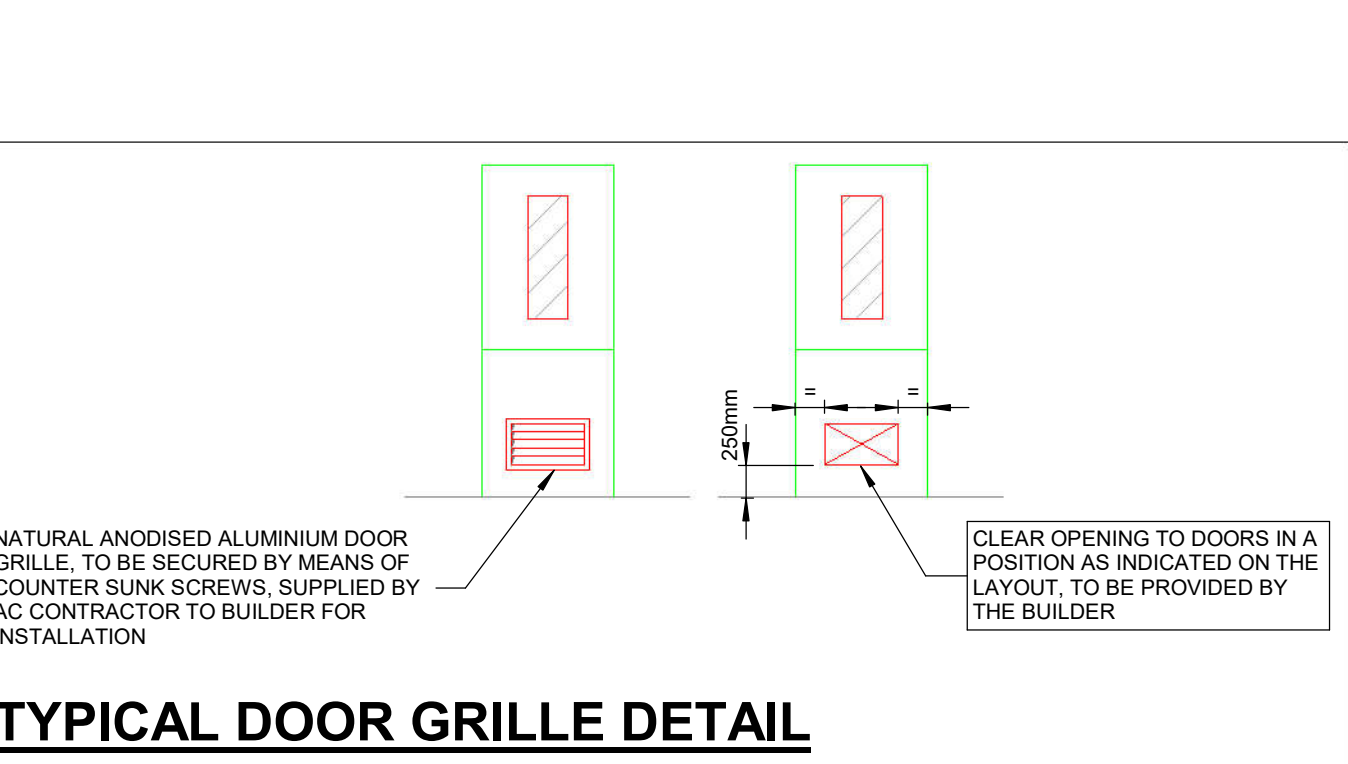
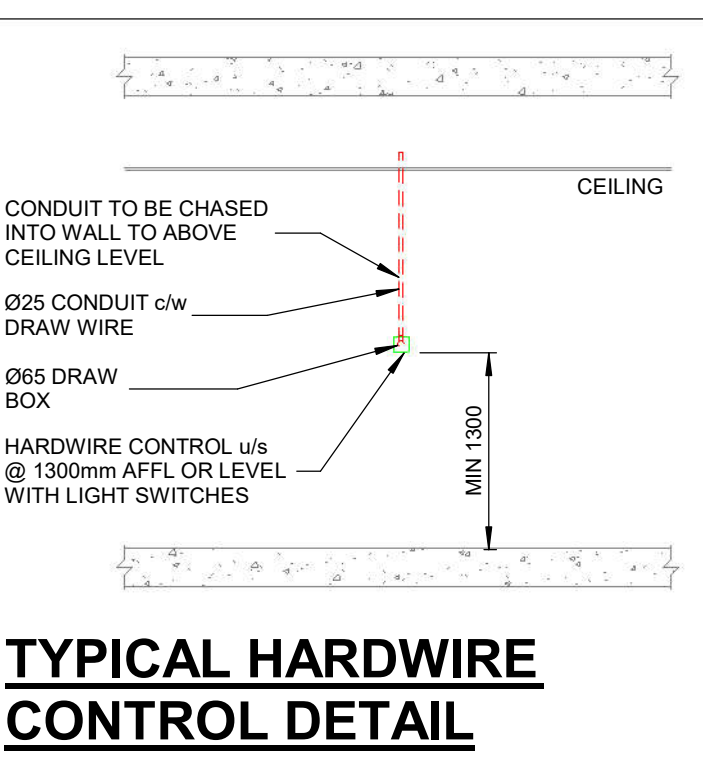
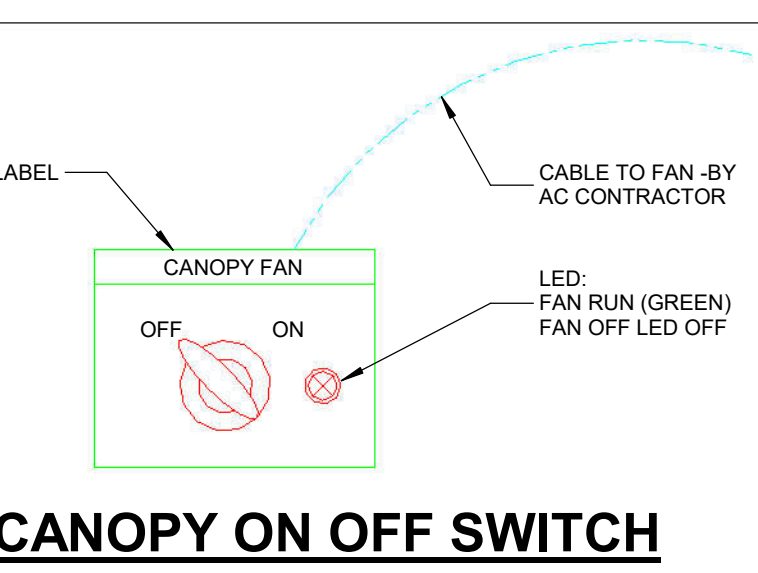
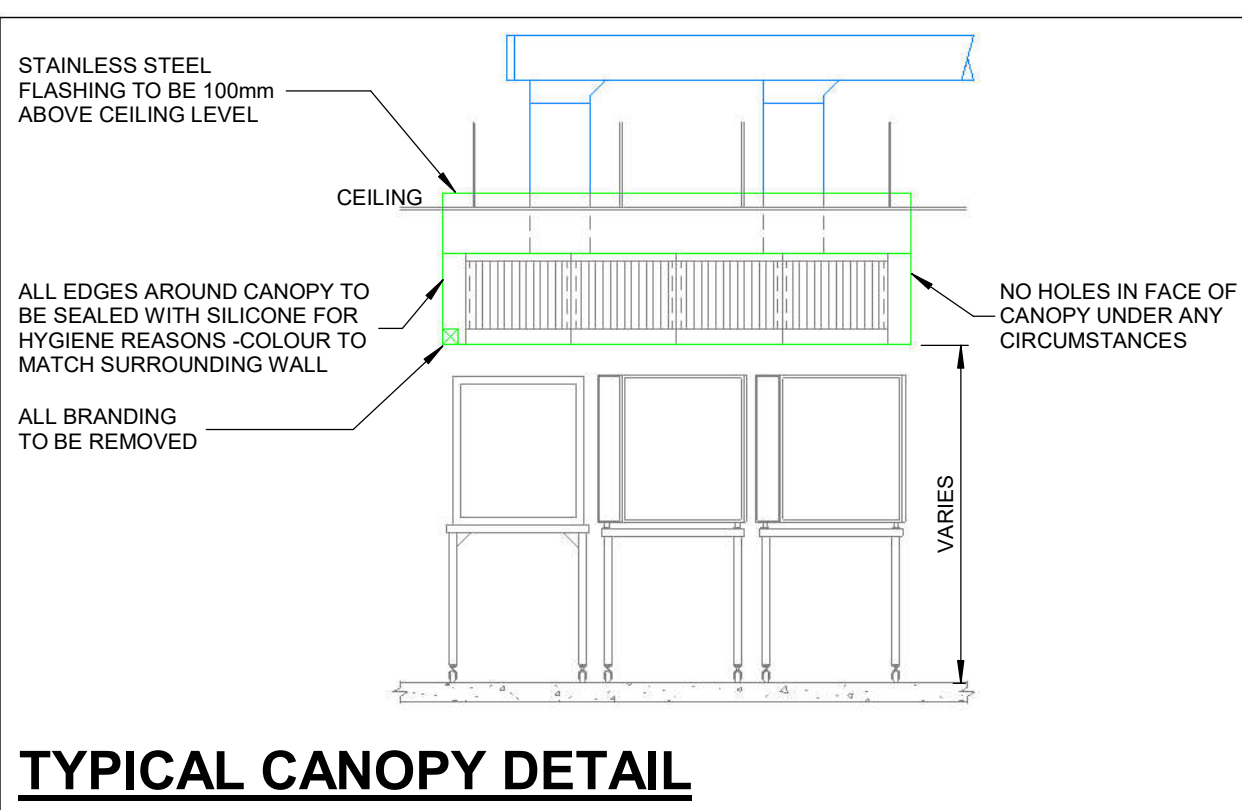
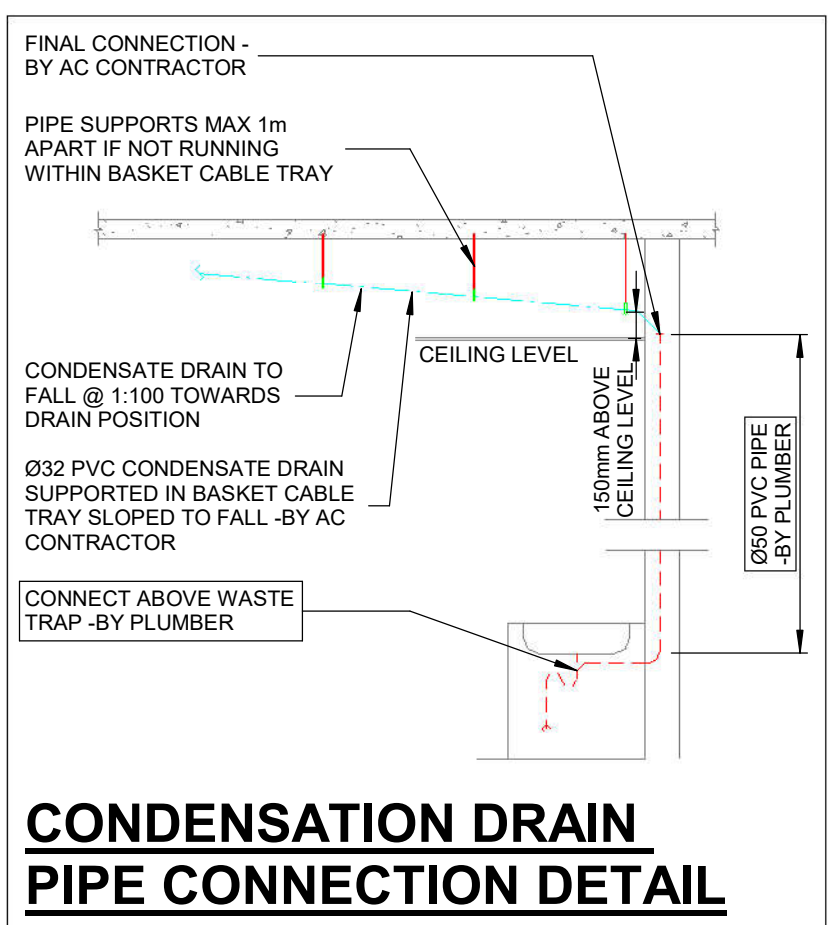
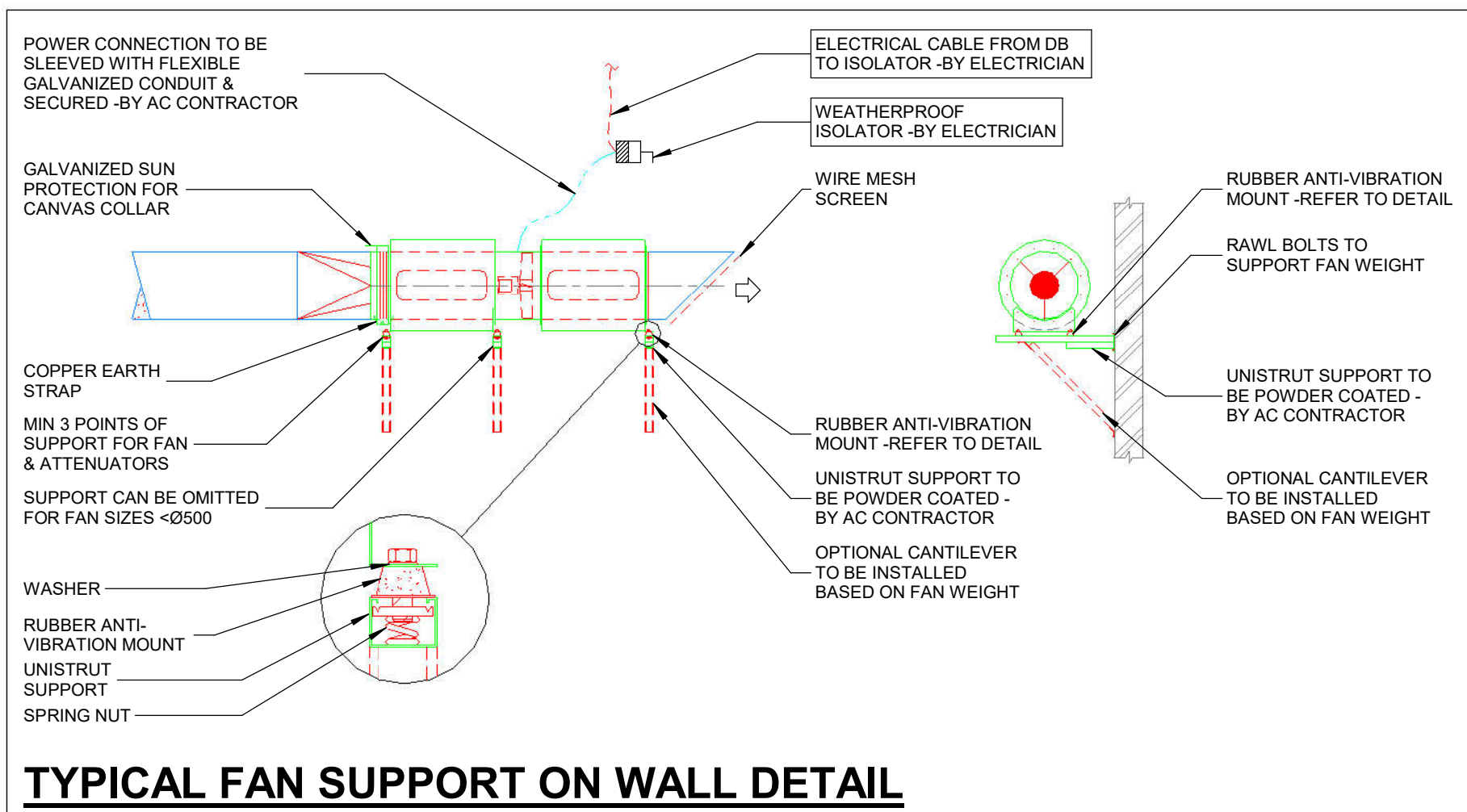
1001 CANOPIES

Mark	Description	Air Flow
CAN 1.1	1500x2000/600H STAINLESS STEEL BOX TYPE CANOPY c/w FILTERS, VAPOUR PROOF LIGHT FITTINGS & FIRE SUPPRESSION	2800 L/s

1001 AC UNITS							
Mark	Description	Total Cooling	Total Heating	Supply Air	Return Air	Fresh Air	Power Requirements
AC 1.1	VRV COMPACT CEILING CASSETTE UNIT	3.6 kW	HEAT RECOVERY	175 L/s	175 L/s	15 L/s	230V-1PH-50Hz-0.02kW
AC 1.2	VRV COMPACT CEILING CASSETTE UNIT	3.6 kW	HEAT RECOVERY	175 L/s	175 L/s	15 L/s	230V-1PH-50Hz-0.02kW
AC 1.3	VRV COMPACT CEILING CASSETTE UNIT	2.8 kW	HEAT RECOVERY	166 L/s	166 L/s	15 L/s	230V-1PH-50Hz-0.018kW
AC 1.4	VRV COMPACT CEILING CASSETTE UNIT	2.8 kW	HEAT RECOVERY	166 L/s	166 L/s	15 L/s	230V-1PH-50Hz-0.018kW
AC 1.5	VRV HIDEAWAY UNIT	4.5 kW	HEAT RECOVERY	208 L/s	148 L/s	60 L/s	230V-1PH-50Hz-0.084kW
AC 1.6	VRV HIDEAWAY UNIT	4.5 kW	HEAT RECOVERY	208 L/s	148 L/s	60 L/s	230V-1PH-50Hz-0.084kW
AC 1.7	VRV COMPACT CEILING CASSETTE UNIT	2.8 kW	HEAT RECOVERY	166 L/s	166 L/s	15 L/s	230V-1PH-50Hz-0.018kW
AC 1.8	VRV HIDEAWAY UNIT	5.6 kW	HEAT RECOVERY	258 L/s	168 L/s	90 L/s	230V-1PH-50Hz-0.069kW
AC 1.9	VRV COMPACT CEILING CASSETTE UNIT	2.8 kW	HEAT RECOVERY	166 L/s	166 L/s	15 L/s	230V-1PH-50Hz-0.018kW
AC 1.10	VRV COMPACT CEILING CASSETTE UNIT	3.6 kW	HEAT RECOVERY	175 L/s	175 L/s	30 L/s	230V-1PH-50Hz-0.02kW
AC 1.11	VRV COMPACT CEILING CASSETTE UNIT	3.6 kW	HEAT RECOVERY	175 L/s	137 L/s	38 L/s	230V-1PH-50Hz-0.02kW
AC 1.12	VRV HIDEAWAY UNIT	4.5 kW	HEAT RECOVERY	208 L/s	148 L/s	60 L/s	230V-1PH-50Hz-0.084kW
AC 1.13	VRV COMPACT CEILING CASSETTE UNIT	2.8 kW	HEAT RECOVERY	166 L/s	121 L/s	45 L/s	230V-1PH-50Hz-0.018kW
AC 1.14	VRV COMPACT CEILING CASSETTE UNIT	2.8 kW	HEAT RECOVERY	166 L/s	144 L/s	22 L/s	230V-1PH-50Hz-0.018kW
AC 1.15	VRV COMPACT CEILING CASSETTE UNIT	2.2 kW	HEAT RECOVERY	150 L/s	150 L/s	15 L/s	230V-1PH-50Hz-0.018kW
AC 1.16	VRV HIDEAWAY UNIT	7.1 kW	HEAT RECOVERY	350 L/s	200 L/s	60 L/s	230V-1PH-50Hz-0.110kW
AC 1.17	VRV HIDEAWAY UNIT	4.5 kW	HEAT RECOVERY	208 L/s	148 L/s	60 L/s	230V-1PH-50Hz-0.084kW
AC 1.18	VRV HIDEAWAY UNIT	7.1 kW	HEAT RECOVERY	350 L/s	275 L/s	75 L/s	230V-1PH-50Hz-0.110kW
AC 1.19	VRV COMPACT CEILING CASSETTE UNIT	2.2 kW	HEAT RECOVERY	150 L/s	150 L/s	30 L/s	230V-1PH-50Hz-0.018kW
AC 1.20	VRV HIDEAWAY UNIT	5.6 kW	HEAT RECOVERY	266 L/s	179 L/s	87 L/s	230V-1PH-50Hz-0.153kW
AC 1.21	VRV COMPACT CEILING CASSETTE UNIT	1.5 kW	HEAT RECOVERY	141 L/s	141 L/s	30 L/s	230V-1PH-50Hz-0.006kW
AC 1.22	VRV HIDEAWAY UNIT	9 kW	HEAT RECOVERY	483 L/s	333 L/s	150 L/s	230V-1PH-50Hz-0.17kW
AC 1.23	VRV HIDEAWAY UNIT	5.6 kW	HEAT RECOVERY	258 L/s	168 L/s	90 L/s	230V-1PH-50Hz-0.069kW
AC 1.24	VRV COMPACT CEILING CASSETTE UNIT	3.6 kW	HEAT RECOVERY	175 L/s	175 L/s	75 L/s	230V-1PH-50Hz-0.02kW
AC 1.25	VRV HIDEAWAY UNIT	4.5 kW	HEAT RECOVERY	200 L/s	125 L/s	75 L/s	230V-1PH-50Hz-0.054kW
AC 1.26	VRV HIDEAWAY UNIT	11.2 kW	HEAT RECOVERY	500 L/s	360 L/s	140 L/s	230V-1PH-50Hz-0.244kW
AC 1.27	VRV HIDEAWAY UNIT	9 kW	HEAT RECOVERY	483 L/s	333 L/s	150 L/s	230V-1PH-50Hz-0.17kW
AC 1.28	VRV HIDEAWAY UNIT	12.8 kW	HEAT RECOVERY	616 L/s	578 L/s	38 L/s	230V-1PH-50Hz-0.35kW

1001 FANS

Mark	Count	Description	Air Flow	Fan Speed (RPM)	Static Pressure	Power Requirements	Control
EF 1.1	1	Ø630 AXIAL FLOW FAN c/w 2-OFF 1.5D MILENEX LINED SOUND ATTENUATORS	2800 L/s	1440	300.0 Pa	400V-3PH-50Hz-0.6kW	CONNECTED TO CANOPY ON/OFF SWITCH
EF 1.2	2	CX10 CEILING FAN	97 L/s	-	25.0 Pa	230V-1PH-50Hz-0.05kW	INTERLOCKED WITH LIGHT SWITCH



KEY

SUPPLY AIR DUCTING	CHILLED WATER PIPING RETURN
RETURN AIR DUCTING	CHILLED WATER PIPING SUPPLY
FRESH AIR DUCTING	REFRIGERATION PIPING
EXTRACT AIR DUCTING	CONDENSATE DRAIN PIPING
	CONTROL WIRING

LEGEND

CLEAR OPENING THROUGH WALL WITH 20mm HARDWOOD FRAME - BY MAIN CONTRACTOR	SPRING ANTI-VIBRATION MOUNTINGS
CLEAR OPENING THROUGH WALL TO BE 100mm LARGER THAN DUCT - BY MAIN CONTRACTOR	SPRING HANGER RODS
CLEAR OPENING THROUGH SLAB TO BE 100mm LARGER THAN DUCT - BY STRUCTURAL ENGINEERS DETAIL - BY MAIN CONTRACTOR	EQUAL DUCT TRANSFORMATION
INDICATED DB BOARD - BY AC CONTRACTOR	DUCT TRANSFORMATION TO BE FLAT ON TOP SQUARE TO ROUND TRANSFORMATION
INDICATED DB BOARD TO ELECTRICAL ENGINEERS DETAIL - BY ELECTRICAL CONTRACTOR	NON-RETURN DAMPER
CEILING ACCESS PANEL TO ARCHITECTS DETAIL - BY MAIN CONTRACTOR	HARD WIRED CONTROLLER ATTACHED TO THE WALL WITH BRACKET
	FIRE DAMPER

BY MAIN CONTRACTOR

FRAME INSIDE OF CLEAR OPENINGS WITH TREATED HARD WOOD/NOT SITE SCRAP	INFRARED CONTROLLER ATTACHED TO THE WALL WITH BRACKET
CLEAR OPENING THROUGH SLAB & WALL TO BE 100mm LARGER THAN DUCTING	SUPPORT AC EQUIPMENT WITH HANGER RODS & HARD RUBBER WASHER
OPENINGS IN DOOR TO BE CUT BY BUILDER & AC CONTRACTOR TO FIT DOOR GRILLE	BALANCING DAMPER
WATER SUPPLY c/w SHUT-OFF VALVE	SOUND ATTENUATOR
DRAIN POINT PROVIDED - BY PLUMBING CONTRACTOR	TICO AND SIMILAR APPROVED
UNDER CUT DOOR 40mm - BY MAIN CONTRACTOR	SET UP DUCTS
	SET DOWN DUCT
	THERMOSTAT
	1 PHASE ISOLATOR
	3 PHASE ISOLATOR

BY A/C CONTRACTOR

DUCTING TO BE UNINSULATED	ISOLATOR & POWER TO ISOLATOR
DUCTING TO BE INTERNALLY LINED WITH 25mm SONIC LINER	INTERLOCK FAN TO LIGHT SWITCH
DUCTING TO BE EXTERNALLY INSULATED WITH 25mm FOIL FACED FIBREGLASS	POWER TO DISTRIBUTION BOARD
DUCTING TO BE EXTERNALLY INSULATED WITH 50mm FOIL FACED FIBREGLASS	Ø630 DRAW BOX CHASED INTO WALL @ 1500mm AFFL OR AS INSTRUCTED BY ARCHITECT c/w Ø25 CONDUIT & DRAW WIRE RUNNING TO AC UNIT
PROTECTIVE COVERS TO BE FITTED OVER ALL FLEXIBLE CONNECTIONS	100x100 DRAW BOX CHASED INTO WALL @ 1500mm AFFL OR AS INSTRUCTED BY ARCHITECT c/w Ø25 CONDUIT & DRAW WIRE RUNNING TO AC UNIT
EXPOSED DUCTING TO BE PAINTED IN ACCORDANCE WITH SCHEDULE CONTAINED IN STANDARD SPECIFICATION DOCUMENT	GENERATOR POWER TO ISOLATOR
FIBREGLASS MEMBRANE & RESIN WATERPROOFING	
BURGLAR BARS WELDED IN DUCTING @ 150mm CENTRE	
ELECTRICAL ISOLATOR & POWER - BY AC CONTRACTOR (NOT BY ELECTRICIAN)	

BY ELECTRICAL CONTRACTOR

ISOLATOR & POWER TO ISOLATOR	INTERLOCK FAN TO LIGHT SWITCH
POWER TO DISTRIBUTION BOARD	Ø630 DRAW BOX CHASED INTO WALL @ 1500mm AFFL OR AS INSTRUCTED BY ARCHITECT c/w Ø25 CONDUIT & DRAW WIRE RUNNING TO AC UNIT
100x100 DRAW BOX CHASED INTO WALL @ 1500mm AFFL OR AS INSTRUCTED BY ARCHITECT c/w Ø25 CONDUIT & DRAW WIRE RUNNING TO AC UNIT	GENERATOR POWER TO ISOLATOR

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-EST. 2013-

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CLIENT: **BETAPOINT**

ARCHITECT: **THE GREY WHIPPET ARCHITECTURE**

PROJECT DESCRIPTION: **PROJECT SPRINGBOK**

DRAWING TITLE: **HVAC INSTALLATION GROUND FLOOR LAYOUT**

STATUS: **TENDER**

SCALE: **As indicated**

DRAWING NUMBER: **G4260-1001**

DRAWN BY: **NW**

CHECKED BY: **JCM**

APPROVED BY: **GP**

REV: **A**