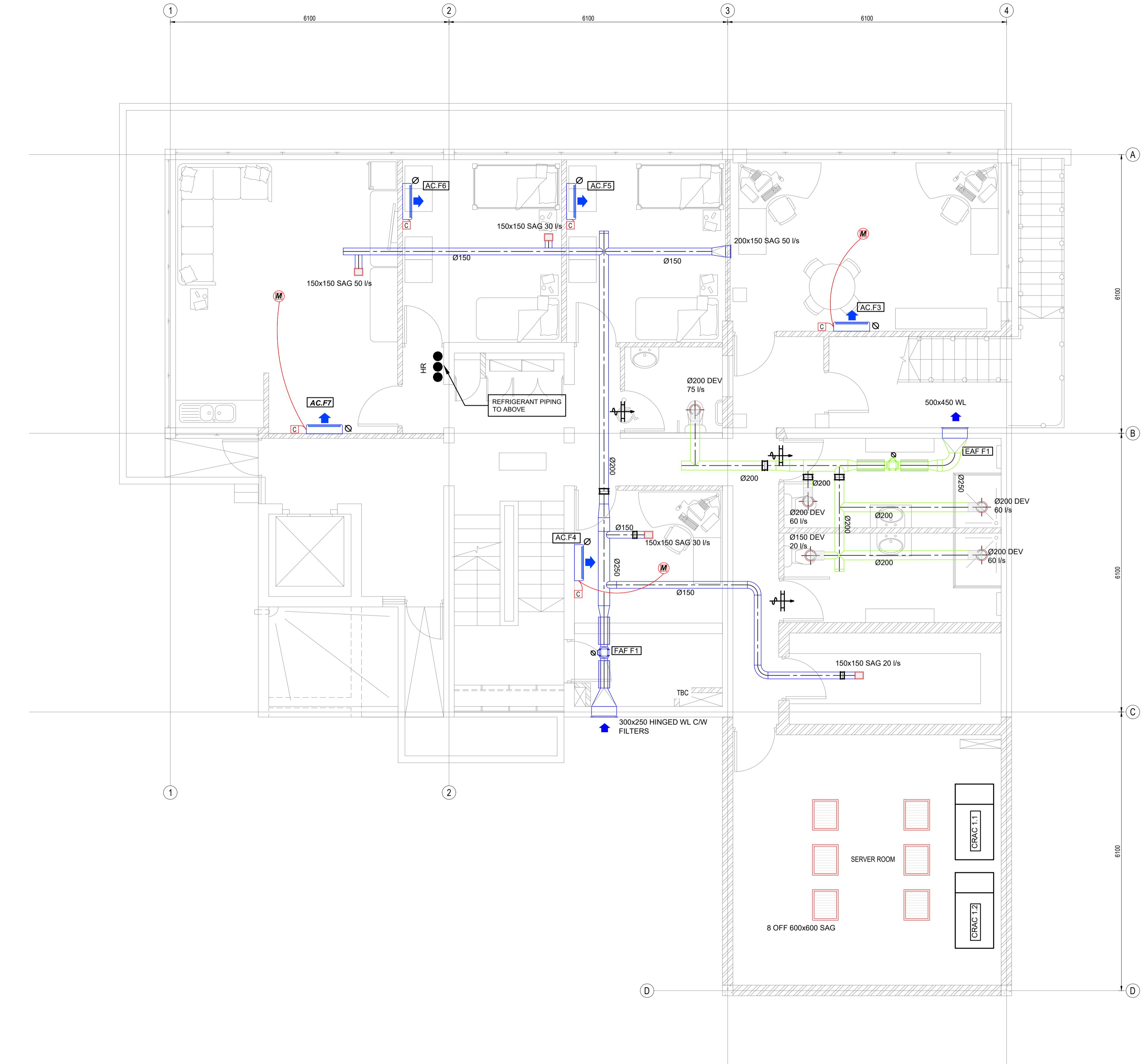




EQUIPMENT SCHEDULE			
ITEM	DESCRIPTION	CAPACITY	NOTES
CRAC 1.1 & CRAC 1.2	CLOSE CIRCUIT CONTROL SERVER AC UNIT	24 kW COOLING	—
FAF F1	INLINE SILENT TUBE FAN, AMS TD 800/200 SILENT OR EQUAL	180 l/s @ 180 Pa	FAN TO BE SWITCHED ON BY TIMER IN D
AC F3	MID WALL VRV INDOOR UNIT	5.6 kW COOLING	—
AC F4 TO AC F7	MID WALL VRV INDOOR UNIT	3.6 kW COOLING	—
EAF F1	INLINE SILENT TUBE FAN, AMS TD 2000/315 OR EQUAL WITH 600mm UP- AND DOWN ATTENUATORS	275 l/s @ 150 Pa	FAN TO BE SWITCHED ON BY TIMER IN D



## TENDER

FIRST FLO  
Scale 1:50

NOTES / LEGEND	APPROVED BY COUNCIL / C
	<hr/> <p style="text-align: center;">CITY ENGINEER / CLIENT</p> <hr/> <p style="text-align: center;">AMENDMENTS CODE</p> <hr/> <p>A,B,C..J : BEFORE TENDER        /A : BY</p> <p>0      / : TENDER DRAWING        /B : BY</p> <p>1,2,3...J : AFTER TENDER        /C : BY</p> <p>Z      / : AS BUILT        /D : BY</p> <p>         /E : BY</p>



**E-MAIL**  
@bvgp.co.za  
@bvlip.co.za  
@bvfis.co.za  
@bvfis.co.za  
@bvinc.co.za  
@bvinc.co.za  
@bvknn.co.za  
@bvknn.co.za  
@mweb.co.za  
@bviect.co.za  
@hvivo.co.za

# RICHARDS BAY - PORT CONTROL TOWER

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**DRAWING TITLE**

## FIRST FLOOR HVAC

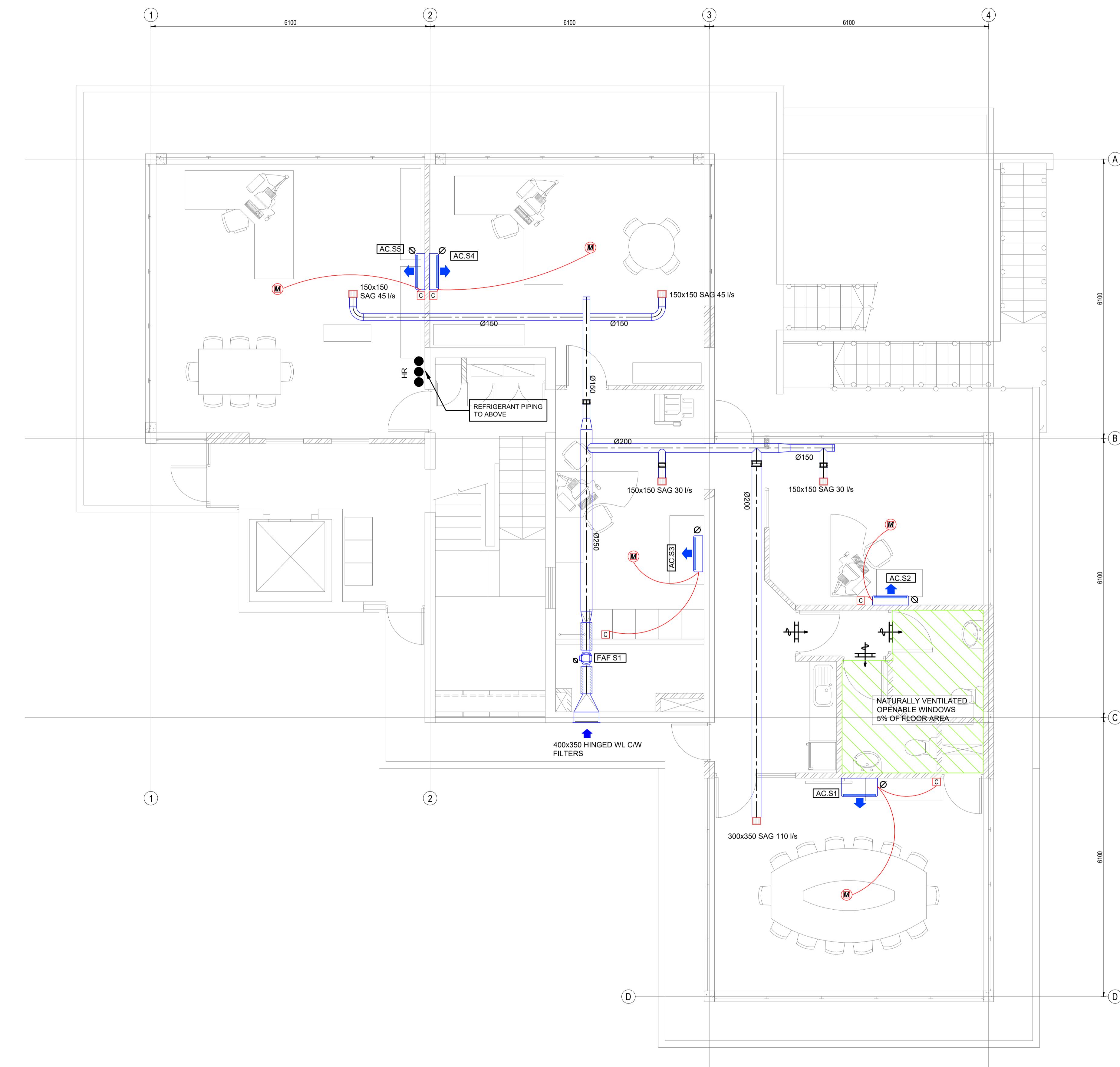
LEGEND	
SYMBOLS	DESCRIPTION
	MID WALL AC UNIT
	UNDERCEILING AC UNIT
HR	HEAT RECOVERY BOX VRV
	WALL MOUNTED EXTRACT FAN
	IN-LINE TUBE FAN
	SUPPLY AIR/EXTRACT GRILLE
	OUTDOOR UNIT
	POWER ISOLATOR. TO BE WEATHER PROOF IF INSTALLED EXTERNAL TO BUILDING. ALL ISOLATORS SHALL BE LOCKABLE IN OPEN POSITION.
	REMOTE CONTROLLER
	WIRED CONTROLLER
	DOOR GRILLE (500X300)
	MOTION DETECTOR - BY ELECTRICAL ENGINEEER
	BALANCING DAMPER

**INDOOR UNIT CONTROLS:**

1. ALL INDOOR UNITS SHALL BE CONTROLLED BY WIRED CONTROLLER.
2. CONTROLLERS TO BE WALL MOUNTED AT 1400mm AFFL ADJACENT TO LIGHT SWITCH.
3. UNITS TO BE CONNECTED TO MOTION DETECTOR (BY ELECTRICIAN) TO SWITCH UNIT OFF WHEN ROOM IS NOT OCCUPIED.

APPROVED BY BVI			
		200970062	12/11/2021
ENGINEER/TECHNOLOGIST		REG. NO.	DATE
SCALE	AS SHOWN @ A1	DRAWN	MC
DESIGNED	JP	CHECKED	JP
PLAN NUMBER		REVISION NO.	DATE SAVED
32442.00-740-02		3	12 NOV 2021

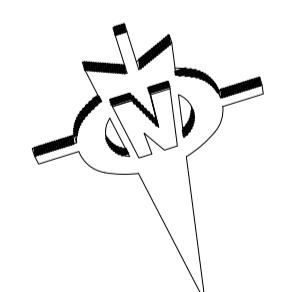
FAN SCHEDULE			
ITEM	DESCRIPTION	CAPACITY	NOTES
FAF S1	INLINE SILENT TUBE FAN, AMS TD 2000/315 OR EQUAL WITH 600mm UP- AND DOWN ATTENUATORS	285 l/s @ 180 Pa	FAN TO BE SWITCHED ON BY TIMER IN DB
AC S1	UNDERCEILING VRV INDOOR UNIT	11.2 kW COOLING	UNITS TO BE INTERLOCKED TO MOTION DETECTOR
AC S2 & AC S3	MID WALL VRV INDOOR UNIT	3.6 kW COOLING	UNITS TO BE INTERLOCKED TO MOTION DETECTOR
AC S4 & AC S5	MID WALL VRV INDOOR UNIT	7.1 kW COOLING	UNITS TO BE INTERLOCKED TO MOTION DETECTOR



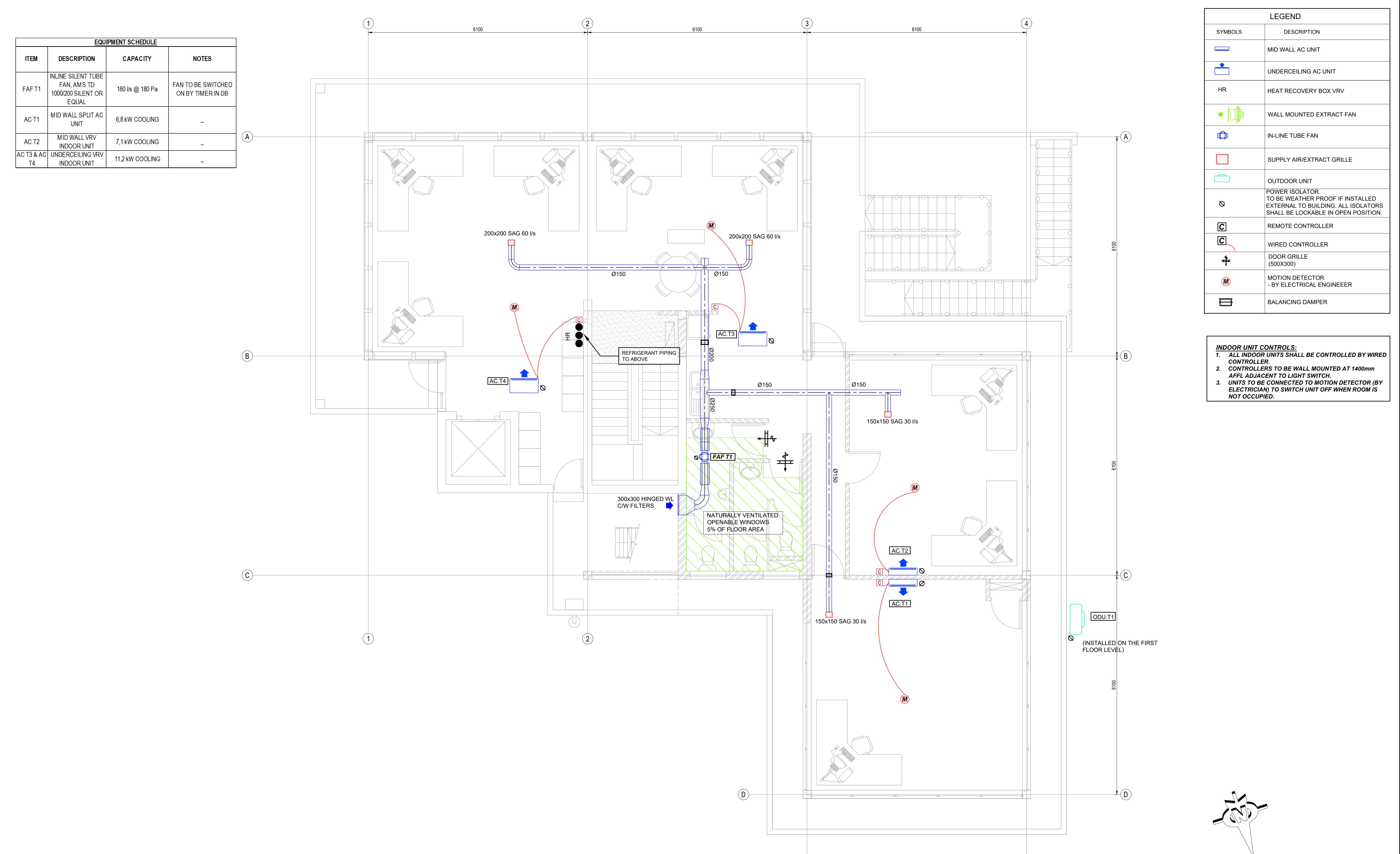
LEGEND	
SYMBOLS	DESCRIPTION
	MID WALL AC UNIT
	UNDERCEILING AC UNIT
HR	HEAT RECOVERY BOX VRV
	WALL MOUNTED EXTRACT FAN
	IN-LINE TUBE FAN
	SUPPLY AIR/EXTRACT GRILLE
	OUTDOOR UNIT
	POWER ISOLATOR. TO BE WEATHER PROOF IF INSTALLED EXTERNAL TO BUILDING. ALL ISOLATORS SHALL BE LOCKABLE IN OPEN POSITION.
	REMOTE CONTROLLER
	WIRED CONTROLLER
	DOOR GRILLE (500X300)
	MOTION DETECTOR - BY ELECTRICAL ENGINEER
	BALANCING DAMPER

**INDOOR UNIT CONTROLS:**

1. ALL INDOOR UNITS SHALL BE CONTROLLED BY WIRED CONTROLLER.
2. CONTROLLERS TO BE WALL MOUNTED AT 1400mm AFFL ADJACENT TO LIGHT SWITCH.
3. UNITS TO BE CONNECTED TO MOTION DETECTOR (BY ELECTRICIAN) TO SWITCH UNIT OFF WHEN ROOM IS NOT OCCUPIED.



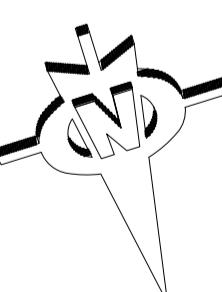
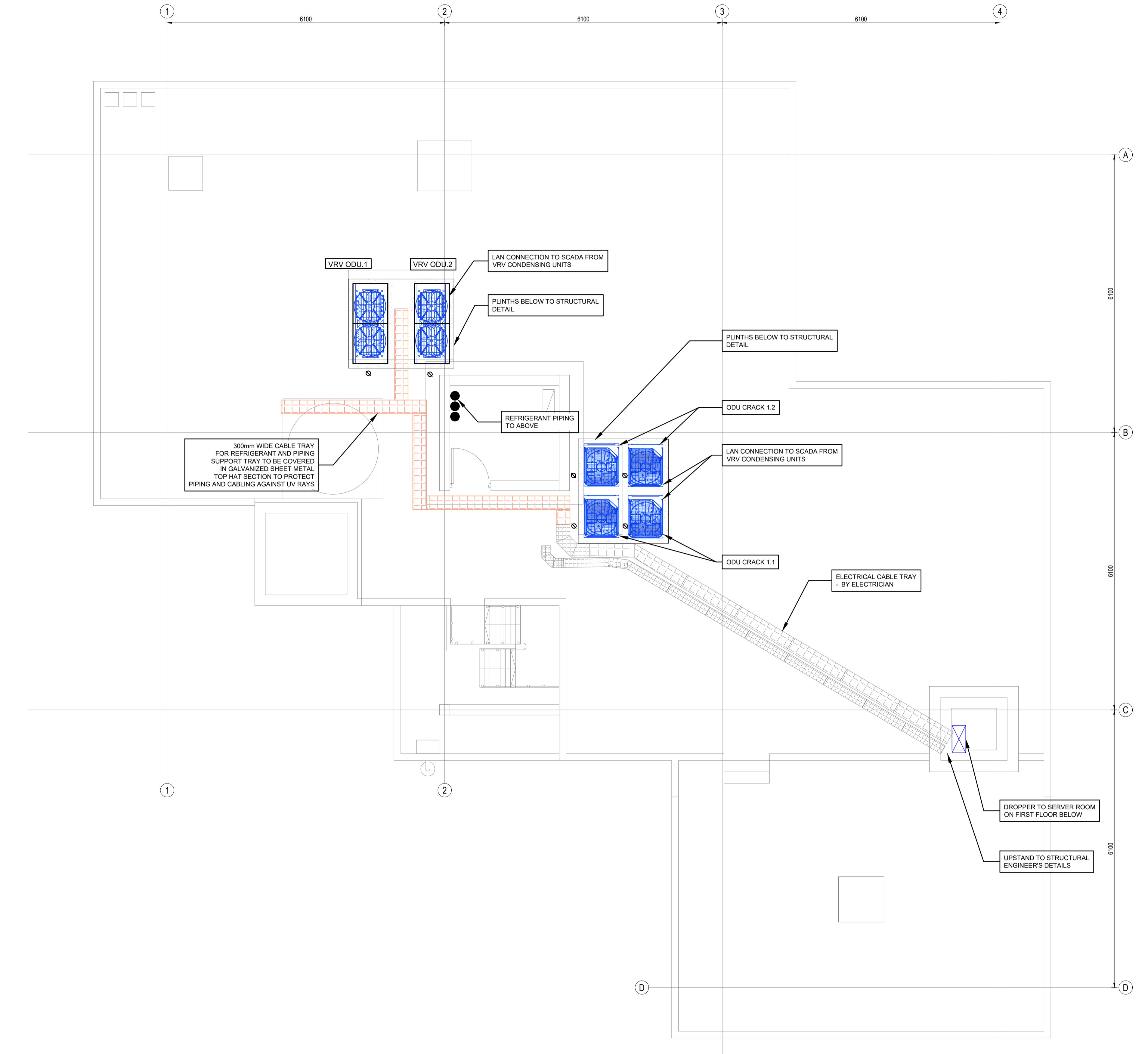
SECOND FLOOR  
Scale 1:50



TENDER

THIRD FLOOR  
Scale 1:50

NOTES / LEGEND		APPROVED BY COUNCIL / CLIENT				DATE		INITIAL	No./CODE	REVISION DESCRIPTION		CLIENT		PROJECT		APPROVED BY BVI			
						01/02/2018	HL	1/D		FOR CONSTRUCTION									
						27/05/2020	TB	2/D		FOR TENDER									
						12/11/2021	MC	3/D		FOR TENDER									
						AMENDMENTS CODE													
						A: BY CLIENT		B: BY ARCHITECT		C: BY MECHANICAL OR ELECTRICAL		D: BY BVI		E: BY OTHER					
						A.C./J : BEFORE TENDER		B.C./J : AFTER TENDER		C.D./J : TENDER DRAWING		D.E./J : AS BUILT							



## TENDER

ROOF  
Scale 1

NOTES / LEGEND	APPROVED BY COUNCIL / CLIENT
	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <span data-bbox="890 3993 1138 4002">CITY ENGINEER / CLIENT</span> </div> <div style="text-align: center;"> <span data-bbox="1290 3993 1392 4002">REG. NO.</span> </div> </div>
	<div style="text-align: center;"> <span data-bbox="1150 4038 1316 4047">AMENDMENTS CODE</span> </div>



PROVINCE	OFFICE	PHONE	E-MAIL	PROJECT		APPROVED BY BVi		
Gauteng	Tshwane	(012) 940-1111	pla@bvigp.co.za	<b>RICHARDS BAY - PORT CONTROL TOWER</b>		 200970062 12/11/2021  <b>ENGINEER/TECHNOLOGIST</b>  <b>REG. NO.</b>  <b>DATE</b>  <b>SCALE</b> <b>AS SHOWN @ A1</b> <b>DRAWN</b> <b>MC</b>  <b>DESIGNED</b> <b>JP</b> <b>CHECKED</b> <b>JP</b>  <b>PLAN NUMBER</b> <b>REVISION NO.</b> <b>DATE SAVED</b>  32442.00-740-05   3   12 NOV 2021		
Free State	Polokwane	(015) 291-5400	js@bvigp.co.za					
Northern Cape	Bloemfontein	(051) 447-2137	bfv@bvfis.co.za					
	Welkom	(057) 353-2499	wei@bvfis.co.za					
	Upington	(054) 337-6600	upi@bvinc.co.za					
	Springbok	(027) 712-3614	spk@bvinc.co.za					
KwaZulu Natal	Durban	(031) 266-8382	dbn@bvkln.co.za					
	Empangeni	(035) 772-6112	emp@bvkln.co.za					
Eastern Cape	Port Elizabeth	(041) 373-4343	bvi@mweb.co.za					
Western Cape	East London	(043) 735-3899	Bk@bviwc.co.za					
	Cape Town	(021) 527-7000	cpt@bviwc.co.za					
<b>DRAWING TITLE</b>  <b>ROOF HVAC</b>								