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<u>D</u>		STANDARDS:	GE	
	NEW DUCTWORK	MECHANICAL CONTRACTOR SHALL COMPLY THE REQUIREMENTS OF ALL STATUTORY REGULATIONS, LOCAL GOVERNMENT BY-LAWS AND ALL AUTHORITIES HAVING JURISDICTION OVER THE SITE.	1.	THE CON THE SUR
	NEW ACOUSTIC FLEXIBLE DUCTWORK C/W SPIGOT WITH BUTTERFLY DAMPER - SIZE AS PER TABLE	ALL WORK PERFORMED SHALL BE COMPLETE WITH ALL NECESSARY EQUIPMENT FOR ITS SATISFACTORY OPERATION, CONTROL AND MAINTENANCE UNDER ALL NORMAL	2.	ALL RIGI
	NEW UN-INSULTATED KITCHEN EXHAUST AIR DUCTWORK.	CONDITIONS OF SERVICE.	3.	ANY DISC
	NEW FLEXIBLE DUCTWORK C/W SPIGOT WITH BUTTERFLY DAMPER - SIZE AS PER TABLE	ALL WORK WILL BE IN ACCORDANCE WITH CURRENT RELEVANT STANDARDS, CODES AND REGULATIONS WHICH INCLUDE:		ENGINEE COSTLY
)	TUNDISH	1. LOCAL GOVERNMENT ACT AND REGULATIONS THEREUNDER	4.	AIR BALA
	NEW CONTROL POINT - COMPLETE WITH DIGITAL LED DISPLAY, THERMOSTAT, TEMPERATURE SET-POINT ADJUSTMENT, ON/OFF	2. ALL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION		INTAKES AIR BALA NOT EXC
	SWITCH, FAN SPEED ADJUSTMENT AND PROGRAMMABLE TIMER	3. STATE CODES/GUIDELINES FOR CONTROL OF LEGIONNAIRES' DISEASE	_	
	600x600 ACCESS PANEL - BY BUILDER	4. OH&S LAWS	5.	ALL ELEC WEATHE
		5. NATIONAL CONSTRUCTION BUILDING CODE OF AUSTRALIA (BCA)	6.	PROVIDE
	NATURAL VENTILATION	6. WORKPLACE HEALTH AND SAFETY ACT AND REGULATIONS		DUCTWC
	DOOR UNDERCUT: 25mm BY BUILDER	7. AS 1668 THE USE OF VENTILATION AND AIR CONDITIONING IN BUILDINGS	7.	FANS SH
	DOOR GRILLE- AS PER THE	a. PART 1 FIRE AND SMOKE CONTROL IN BUILDINGSb. PART 2 MECHANICAL VENTILATION IN BUILDINGS	8.	WHERE A
	SCHEDULE	c. PART 4 NATURAL VENTILATION OF BUILDINGS		TO CLOS
1	IN-WALL TUNDISH	8. AS 1682 FIRE DAMPERS a. PART 1 SPECIFICATION	9.	ALL EXPO PAINTED
	200x200 HINGED TYPE EGGCRATE CEILING EXHAUST AIR	b. PART 2 INSTALLATION		
	GRILLE C/W CUSHION HEAD AND PANEL FILTRE	9. AS 4254 DUCTWORK FOR AIR-HANDLING SYSTEMS IN BUILDINGS	10.	ALL EXPO PAINTED
·	INSULATED (R1.7) REFRIGERANT PIPE WORK.	a. PART 1 FLEXIBLE DUCT b. PART 2 RIGID DUCT	11.	ALL ROO
	TYPICAL- WALL MOUNTED AC UNITS	10. AS 3666 AIR-HANDLING AND WATER SYSTEMS OF BUILDINGS –MICROBIAL CONTROL		NOMINAT SHEETIN
	TYPICAL- OUTDOOR AC CONDENSING UNIT	 a. PART 1 DESIGN, INSTALLATION AND COMMISSIONING b. PART 2 OPERATION AND MAINTENANCE c. PART 3 PERFORMANCE-BASED MAINTENANCE OF COOLING WATER SYSTEMS 	12.	CONDEN TUNDISH LINE BY I
EVIAT	IONS	11. AS/NZS 5149 - REFRIGERATION SAFETY AND ENVIRONMENTAL REQUIREMENT	13.	ALL LOU
		 a. PART 1 REFRIGERATING SYSTEMS AND HEAT PUMPS b. PART 2 SAFETY AND ENVIRONMENTAL REQUIREMENTS 	14	ALL EQU
			14.	WITHIN 5
	CCESS PANEL ONDENSING UNIT	12. AS 1571 COPPER-SEAMLESS TUBES FOR AIR CONDITIONING AND REFRIGERATION		GROUND
D	OOR GRILLE	 AS/NZS 2107 ACOUSTICS - RECOMMENDED DESIGN SOUND LEVELS AND REVERBERATION TIMES FOR BUILDING INTERIORS. 	15.	BALANCE RATES A
	(HAUST FAN	14. AS 1324 AIR FILTERS FOR USE IN GENERAL VENTILATION AND AIR CONDITIONING	16.	CERTIFIC
	-WALL TUNDISH JPPLY AIR FAN	 a. PART 1 APPLICATION, PERFORMANCE AND CONSTRUCTION b. PART 2 METHODS OF TEST 		STATING THE WOF
	JNDISH DOR UNDERCUT	16. AS 1432- COPPER TUBES FOR PLUMBING, GAS-FITTING AND DRAINAGE APPLICATIONS	17.	TWELVE SHALL IN
		17. HB 40.1 THE AUSTRALIAN REFRIGERATION AND AIR-CONDITIONING CODE OF		A MINIMU
		GOOD PRACTICE a. PART 1 REDUCTION OF EMISSIONS OF FLUOROCARBON REFRIGERANTS IN COMMERCIAL AND INDUSTRIAL REFRIGERATION AND AIR-CONDITIONING	18.	OPERATI DRAWINO APPROV
		APPLICATIONS. b. PART 2 REDUCTION OF EMISSIONS OF FLUOROCARBONS IN RESIDENTIAL	19.	• • - • • -
		AIR-CONDITIONING APPLICATIONS. c. PART 3 REDUCTION OF EMISSIONS OF FLUOROCARBONS IN DOMESTIC	00	MECHAN
		REFRIGERATION APPLICATIONS.	20.	PAINTING
		19. AS/NZS 3000 WIRING RULES	21	ACOUST
		 AS/NZS 3008 ELECTRICAL INSTALLATION-SELECTION OF CABLES PART 1.1 CABLES FOR ALTERNATING VOLTAGES UP TO AND INCLUDING 0.6/1 KV-TYPICAL AUSTRALIAN INSTALLATION CONDITIONS. 	21.	THE EQU SPECIFIC
		21. AS/NZS 5601 GAS INSTALLATIONS	22.	
			a.	PLANT, II MEANS (
		22. AS/NZS 2053 NON-METAL CONDUITS AND FITTINGS	b. c.	ANTI-VIB APPROP
		23. AS 2053 NON-METAL CONDUITS AND FITTINGS	d.	TRIM ANI
		24. AS 1170.4-2007 STRUCTURAL DESIGN ACTIONS- EARTHQUAKE ACTIONS IN AUSTRALIA	е. f. g.	ELECTRI DRAINAG FIELD CC

STANDARDS:

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NEW WAREHOUSE

MECHANICAL SERVICES

WING SCHEDULE:

ER	TITLE
	COVERSHEET, LEGENDS, NOTES AND DRAWING LIST
	LEVEL G FLOOR PLAN LAYOUT
	LEVEL M FLOOR PLAN LAYOUT
	EQUIPMENT SCHEDULE

GENERAL NOTES:

- ONTRACTOR SHALL VISIT SITE, FOR EXISTING BUILDINGS, TO FAMILIARISE THEMSELVES WITH URROUNDING SITE CONDITIONS AND EXISTING BUILDING SERVICES WHERE APPLICABLE.
- IGID METAL AND FLEXIBLE DUCT SHALL BE CONSTRUCTED TO STANDARDS APPROPRIATE TO ERVICE AND AS PER GOOD STANDARD INDUSTRY PRACTICE.
- DISCREPANCIES BETWEEN THE DOCUMENTATION AND THE EXISTING SITE CONDITIONS FOUND NG THE TENDER STAGE NEED TO BE BROUGHT TO THE ATTENTION TO THE CONSULTING IEER AND ANY COST ALLOWANCES MADE FOR SUCH DISCREPANCIES ASSUMING THE MOST LY OPTION.
- ALANCING AND VOLUME CONTROL DAMPERS SHALL BE PROVIDED AT ALL BRANCHES, KES, SUPPLY/EXHAUST AIR SPIGOT OR ANY OTHER LOCATION REQUIRED TO COMPLETE THE ALANCING OF THE SYSTEMS. LEAKAGE THROUGH DAMPERS IN THE CLOSED POSITION SHALL EXCEED 5% OF THE DESIGN AIR FLOW RATE.
- LECTRICAL EQUIPMENT SHALL BE PROVIDED WITH LOCAL ELECTRICAL ISOLATORS, HERPROOF AS REQUIRED.
- IDE ALL NECESSARY STRUCTURAL SUPPORTS FOR MECHANICAL EQUIPMENT, PIPEWORK, WORK AND WIRING.
- SHALL BE INSTALLED ON VIBRATION ISOLATORS.
- E AN EXHAUST SYSTEM IS SERVING AN AIR CONDITIONED SPACE AND/OR WHERE RISED OUTSIDE AIR INTAKES ARE LOCATED, SELF-CLOSING DAMPERS SHALL BE PROVIDED OSE WHEN SYSTEMS ARE INACTIVATED.
- XPOSED DUCTWORK (INCLUDING CLIPS, SCREW HEADS ETC) ARE TO BE ED/POWDERCOATED IN COLOURS AS NOMINATED BY THE ARCHITECT.
- POSED GRILLES, COVER PLATES, CASSETTE COVERS, DIFFUSERS ETC ARE TO BE ED/POWDERCOATED IN COLOURS AS NOMINATED BY THE ARCHITECT.
- OOF COWLS, ROOF VENTS ETC ARE TO BE PAINTED/POWDERCOATED IN COLOURS AS VATED BY THE ARCHITECT, GENERALLY IN THE SAME COLOUR AS THE ADJACENT ROOF TING U.N.O.
- ENSATE WASTE WATER FROM OUTDOOR AC CONDENSING UNITS SHALL DISCHARGE OVER A VISH WITH CONNECTION TO SEWER PIPEWORK. TUNDISH BY HYD TRADE, VERTICAL DRAINAGE BY MECH SERVICE. MECHANICAL AND HYDRAULIC TRADES SHALL COORDINATE ON SITE.
- DUVRES SHALL BE FITTED WITH VERMIN PROOF WIRE MESH INSIDE.
- QUIPMENT SHALL BE TREATED FOR CORROSION RESISTANCE. WHERE THE SITE LOCATION IS IN 5KM OF THE OCEAN, ALL EXPOSED AIR CONDITIONING PLANT ON ROOFS, WALLS OR JND LEVEL, SHALL BE TREATED TO PREVENT DAMAGE FROM SALT AIR.
- NCE AND COMMISSION ALL SYSTEMS AND SUBMIT BALANCING FIGURES FOR REVIEW. FLOW S ASHLL BE BALANCED WITHIN THE FOLLOWING TOLERANCES +10%, -0%
- FICATION OF INSTALLATION SHALL BE SUBMITTED BY THE MECHANICAL CONTRACTOR ING COMPLIANCE WITH THE DOCUMENTS AND ALL STATUTORY AUTHORITIES APPLICABLE TO VORKS.
- VE MONTHS ROUTINE WARRANTY AND MAINTENANCE CONTRACT SHALL BE PROVIDED WHICH INCLUDE MONTHLY VISITS TO CHECK ALL PLANT AND CONTROLS AND FILTER CLEANING AS IMUM
- ATING AND MAINTENANCE MANUALS WITH THE COMMISSIONING DATA AND AS-INSTALLED INGS SHALL BE PREPARED AT THE END OF THE INSTALLATION AND SUBMITTED FOR OVAL PRIOR TO PRACTICAL COMPLETION.
- -FLASHING OF EXTERIOR ROOF AND WALL PENETRATIONS TO BE PROVIDED BY THE ANICAL CONTRACTOR. UNDERFLASHING BY THE BUILDING CONTRACTOR.
- ING OF MECHANICAL SWITCHBOARDS/PANELS SHALL BE COMPLETED IN THE FACTORY. S SHALL BE BY MECHANICAL TRADE.
- STIC ATTENUATION AND VIBRATION ISOLATION SHALL BE PROVIDED IN ACCORDANCE WITH EQUIPMENT MANUFACTURER AND IN ACCORDANCE WITH THE ACOUSTIC ENGINEER FICATION.
- RACTOR TO SUPPLY ALL NECESSARY COMPONENTS FOR THE INSTALLATION OF MECHANICAL , INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- S OF ATTACHMENT TO THE STRUCTURE. VIBRATION MOUNTING
- OPRIATE FLEXIBLE CONNECTIONS.
- AND SEALING AROUND OPENING. TRICAL CONNECTIONS.
- IAGE CONNECTIONS.
- g. FIELD CONNECTION OF REFRIGERANT LINE IN SPLIT SYSTEMS.

23. KITCHEN EXHAUST AIR SYSTEM TO BE PROVIDED BY THE BUILDER WITH THE AIR FLOW DISCHARGE RATE OF NOT MORE THAN 1501/s. NOTE: CONNECTION OF THE KITCHEN EXHAUST AIR FLEXIBLE DUCT TO THE RANGE HOOD BY THE MECHANICAL CONTRACTOR. KITCHEN EXHAUST AIR DUCT TO BE PROVIDED AS PER

24. TOILETS: ALL FANS RUN CONTINUOUSLY DURING NORMAL OCCUPANCY HOURS. PROVIDE A MANUAL AFTER HOUR SWITCH FOR THE OPERATION OF THE TOILET EXHAUST SYSTEM AFTER NORMAL OCCUPANCY HOURS. CLIENT TO ADVISE THE NORMAL OCCUPANCY HOURS. 0-1 HOUR ADJUSTABLE SWITCH OTHERWISE FAN WILL BE LEFT ON.

25. OUTSIDE AIR SYSTEM: ALL FANS TO BE INTERLOCKED WITH THE AC OPERATION C/W 10 MIN RUN ON TIMER DURING NORMAL OCCUPANCY HOURS. PROVIDE A MANUAL AFTER HOUR SWITCH FOR THE OPERATION OF THE OUTSIDE AIR FAN AFTER NORMAL OCCUPANCY HOURS. CLIENT TO ADVISE THE NORMAL OCCUPANCY HOURS.

26. SUPPLY AIR FAN, SAF-02: FAN TO BE INTERLOCKED WITH THE LIGHT SWITCH C/W MINIMUM 10MIN RUN ON TIMER (ADJUSTABLE).

AIR CONDITIONING SPECIFICATION

MANUFACTURER'S GUIDELINE.

SUPPLY AND INSTALL NEW HEAT PUMP INVERTER DRIVEN SINGLE SPLIT AC OF DAIKIN, LG, SAMSUNG OR APPROVED EQUAL AS SHOWN IN THE MECHANICAL PLANS.

AIR CONDITIONING COOLING AND HEATING CAPACITY TO BE SELECTED FOR THE AMBIENT CONDITIONS SUMMER - DB 36.9°C, CWB 19.1°C WINTER DB 0.0°C

INTERNAL CONDITION OF 24°CDB AND 21°CWB.

ZONE 8.

ALL AIR CONDITIONING UNITS TO BE CAPABLE OF OPERATION BETWEEN AMBIENT CONDITIONS OF 45°CDB AND -15°CDB.

PROVIDE INSULATED COPPER REFRIGERANT PIPING (IN ACCORDANCE WITH NCC 2022 SECTION J6) BETWEEN EACH INDOOR UNIT AND THE AIR COOLED CONDENSERS FOR AIR COOLED SPLIT SYSTEMS. INSULATION TO BE PROVIDED TO PROTECT THE PIPE FROM UV DETERIORATION.

THE REFRIGERATION SYSTEMS SHALL USE REFRIGERANT R410A OR NATURAL REFRIGERANTS OR EQUIVALENT WITH ZERO OZONE DEPLETION POTENTIAL AND BE COMPLETE WITH ALL JOINTS, BS CONNECTIONS, CONTROLLERS ETC TO ALLOW COMPLETE OPERATION IN ACCORDANCE WITH MANUFACTURE'S REQUIREMENTS. REFRIGERANT PIPING SHALL BE INSULATED WITH EXPANDED RUBBER TO THE REQUIREMENTS OF THE NCC AND WHERE EXPOSED TO VIEW AROUND THE CONDENSERS ON THE ROOF AND EXTERNAL WALLS, ENCLOSED IN SHEETMETAL BOXING PAINTED TO MATCH THE BACKGROUND ROOF OR WALL COLOUR.

EACH SYSTEM SHALL BE PROVIDED WITH PROPRIETARY OUTDOOR COIL DEFROST FACILITY THAT PREVENTS ROOM TEMPERATURE DROPPING MORE THAN 2°C DURING DEFROST.

CONDENSERS SHALL BE MOUNTED ON RUBBER IN SHEAR ANTI-VIBRATION MOUNTINGS. PROVIDE CLEARANCE AROUND ALL CONDENSERS FOR REQUIRED AIR FLOW AND SERVICE SPACE. ENSURE DISCHARGE AIR DOES NOT SHORT CIRCUIT INTO INTAKE. PROVIDE NEW ISOLATING SWITCH TO OUTDOOR CONDENSING

RUN NEW REFRIGERANT PIPE WORK, POWER CABLES AND CONTROL WIRING FROM THE OUTDOOR UNIT TO EACH AC INDOOR UNITS. PENETRATE THE WALL AND CEILING SPACE AND RUN PIPEWORK TO EACH INDOOR UNIT. EXTRUDED ALUMINIUM ENCLOSURES TO BE USED FOR PIPEWORK AND WIRING RUNNING INTERNALLY. COLOURBOND OR PAINTED GALVANISED USED FOR EXPOSED PIPEWORK AND WIRE RUNNING EXTERNALLY.

PROVIDE A P-TRAP FROM EACH AIR CONDITIONING SYSTEM, RUN PIPE FROM EACH FAN COIL UNIT DRAIN TO NEAREST TUNDISH WASTE OUTLET, COORDINATE WITH HYDRAULICS CONTRACTOR.

ALL SUPPLY AND RETURN AIR DUCTWORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH NCC AND SMACNA STANDARDS AND AS 4254-2012. DUCTWORK TO BE IN ACCORDANCE WITH NCC 2022 SECTION J6).

ALL FLEXIBLE DUCTWORK SHALL BE COMPLIANT WITH AS 1668 AND AS 4254 PARTS 1 AND 2. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 6 METRE. SUPPORT ALL DUCTWORK CLEAR FROM ROOF AND CEILING STRUCTURE TO AVOID WEIGHT ON CEILINGS.

ENSURE ALL PLANT IS INSTALLED WITH EASY ACCESS FOR MAINTENANCE, PROVIDE ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND COMMISSIONING/BALANCING.

PROVIDE MINIMUM SEPARATION OF BETWEEN ALL AIR INLETS AND DISCHARGES IN ACCORDANCE WITH AS 1668.2.

PROVIDE CONTROLS SERVING EACH AC UNIT.



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MECHANICAL SERVICES

WORK BY ELECTRICAL SERVICES CONTRACTOR:

COMMON AREAS MECHANICAL SERVICES EQUIPMENT POWER SUPPLY:

ELECTRICAL CONTRACTOR SHALL RUN POWER FROM ELECTRICAL SWITCH BOARD TO EACH MECHANICAL EQUIPMENT AND TERMINATE VIA ISOLATING SWITCH. MECHANICAL CONTRACTOR TO CONNECT EACH EQUIPMENT VIA ISOLATING SWITCHES AND PROVIDE CONTROLS FOR EACH SYSTEM AS REQUIRED. PROVIDE WEATHERPROOF ISOLATING SWITCHES FOR EACH OUTDOOR CONDENSING UNIT.

WORK BY HYDRAULIC SERVICES CONTRACTOR:

HYDRAULIC CONTRACTOR TO PROVIDE TUNDISHES AND FLOOR WASTES FOR MECHANICAL SERVICES.

SEISMIC RESTRAINT

ALL EQUIPMENT, DUCTWORK, PIPEWORK AND FITTINGS SHALL BE SEISMICALLY RESTRAINED ON ACCORDANCE WITH AS1170.4.

REFER SECTION 8.1.4, PARTS AND COMPONENTS, CLAUSE (b) MECHANICAL AND ELECTRICAL COMPONENTS, ITEM 8.1.4(b)(xvii) DUCTS AND PIPING DISTRIBUTION SYSTEMS.

NOTE THAT EXCEPTIONS TO SEISMIC RESTRAINT ARE PERMISSBALE UNDER SECTION 8.1.4(b)(xviii) WHICH STATES : SUPPORTS FOR DUCTS AND PIPING DISTRIBUTION SYSTEMS, EXCEPT SUPPORTS IN THE FOLLOWING SITUATIONS:

- IN STRUCTURES CLASSIFIED AS BEING EDC 1.
- FOR GAS PIPING LESS THAN 25mm INTERNAL DIAMETER FOR PIPING IN BOILER AND MECHANICAL ROOMS LESS THAN 32mm
- INTERNAL DIAMETER
- FOR ALL OTHER PIPING LESS THAN 64mm INTERNAL DIAMETER. • FOR ALL ELECTRICAL CONDUIT LESS THAN 64mm DIAMETER
- FOR ALL RECTANGULAR AIR HANDLING DUCTS LESS THAN 0.4 SQM IN CROSS SECTIONAL AREA
- FOR ALL ROUND AIR HANDLING DUCTS LESS THAN 700mm IN DIAMETER FOR ALL DUCTS AND PIPING SUSPENDED BY INDIVIDUAL HANGERS 300mm OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE
- BOTTOM OF THE SUPPORT FOR THE HANGER.

DUCTS AND PIPING DISTRIBUTION SYSTEMS SHALL BE PROVIDED WITH RESTRAINT BRACING TO RESIST SEISMIC LOADS EXCEPT WHERE THEY ARE BELOW THE THRESHOLDS SET OUT IN AS1170.4 NOTED ABOVE.

THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEISMIC RESTRAINT CERTIFICATION OF THE WORKS.

THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENGAGING A SEISMIC CONSULTANT TO PROVIDE DESIGN AND CERTIFICATION OF SEISMIC RESTRAINT FOR ALL MECHANICAL SERVICES.

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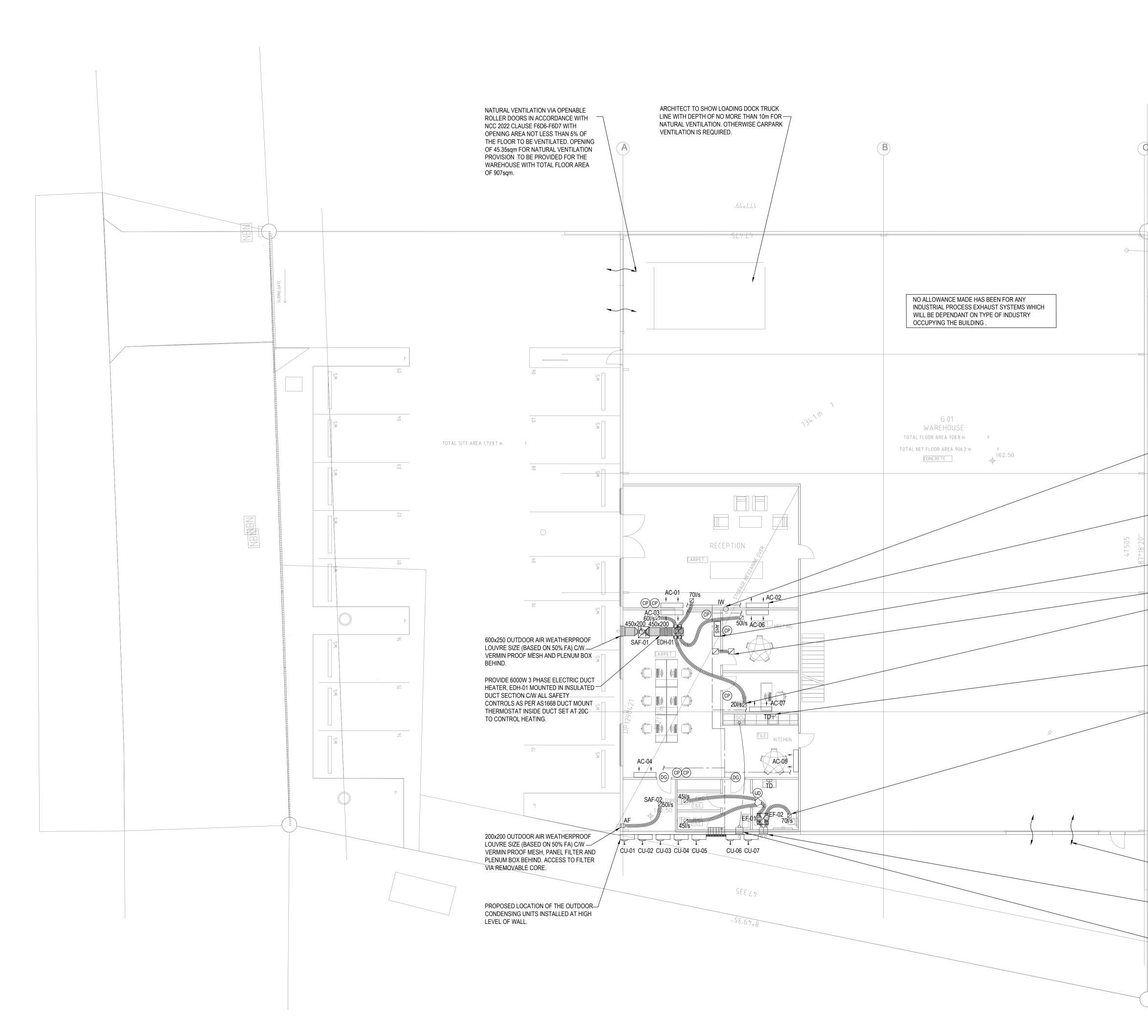
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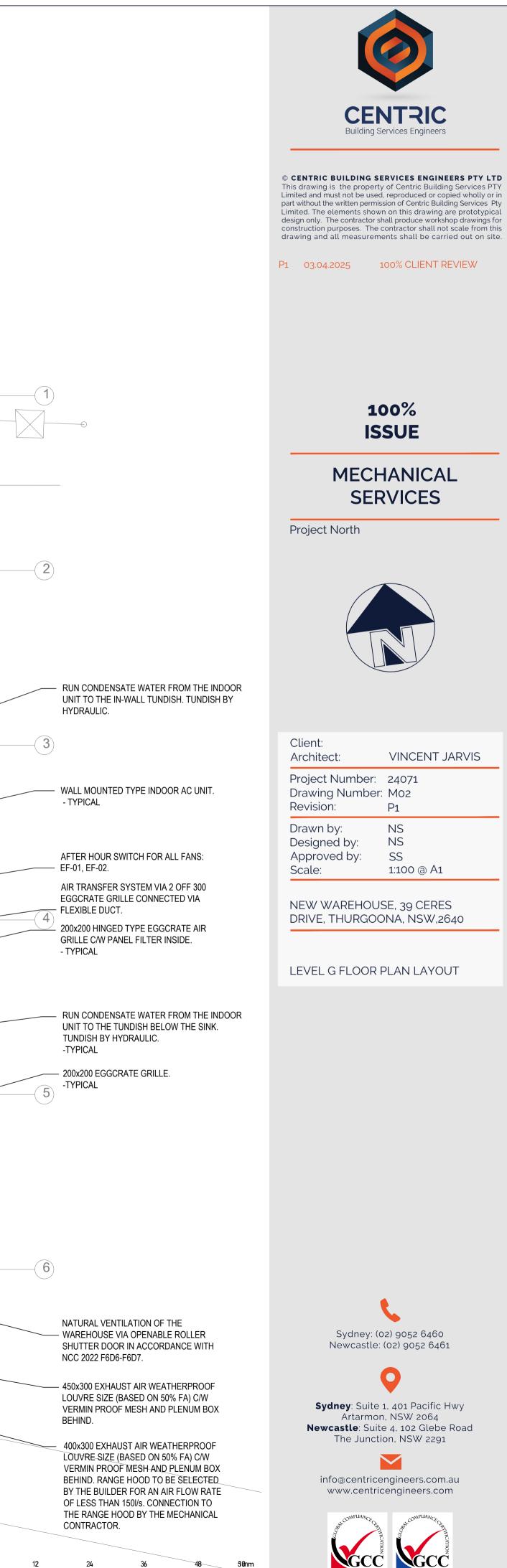


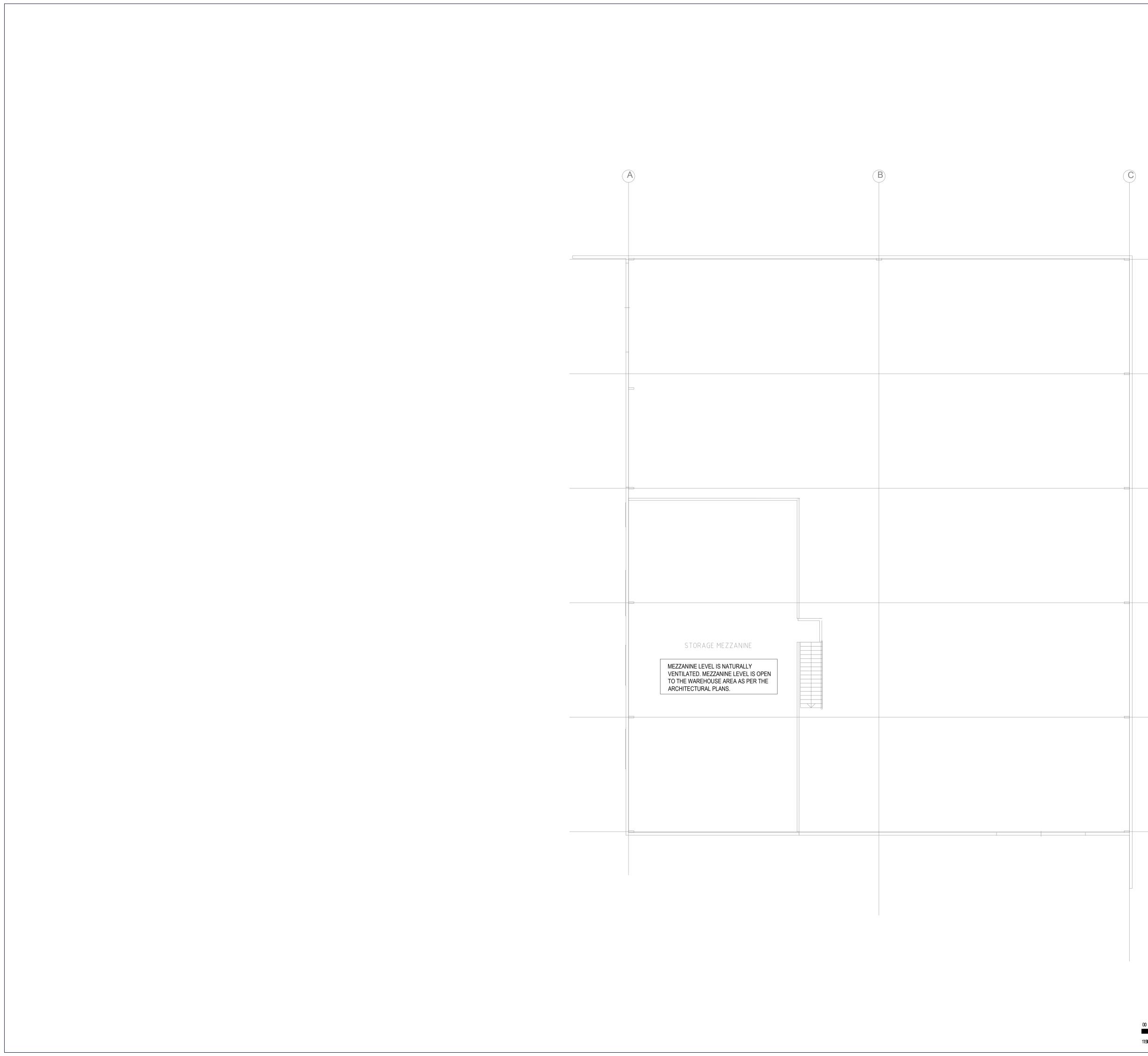
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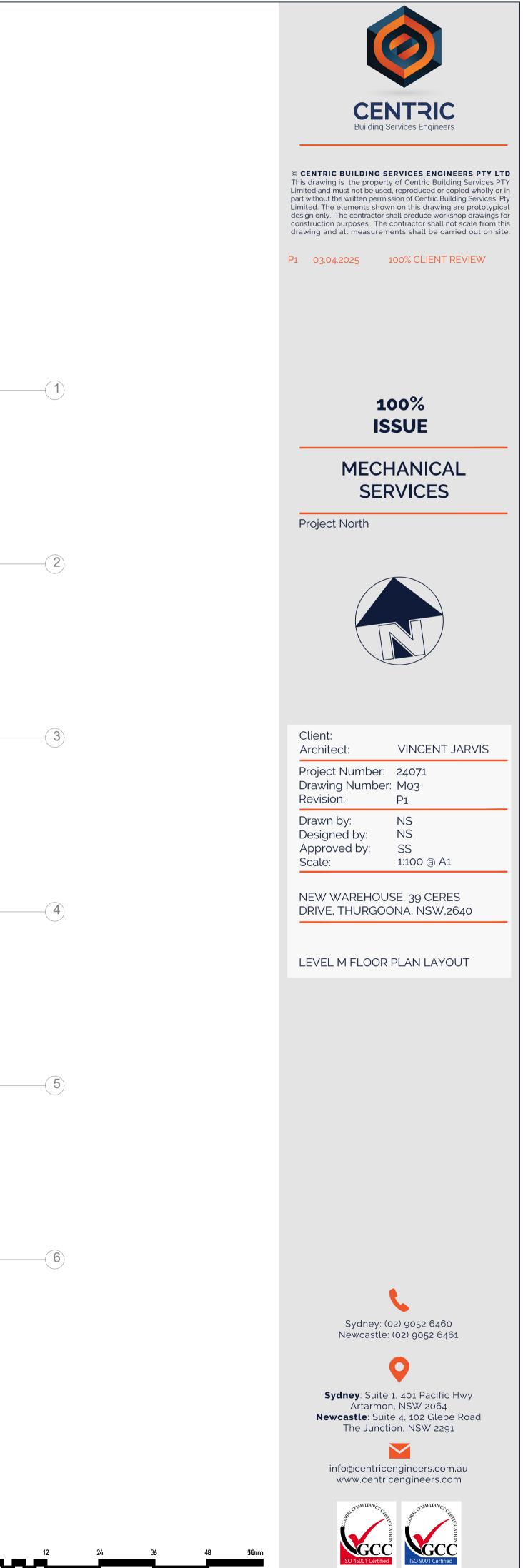
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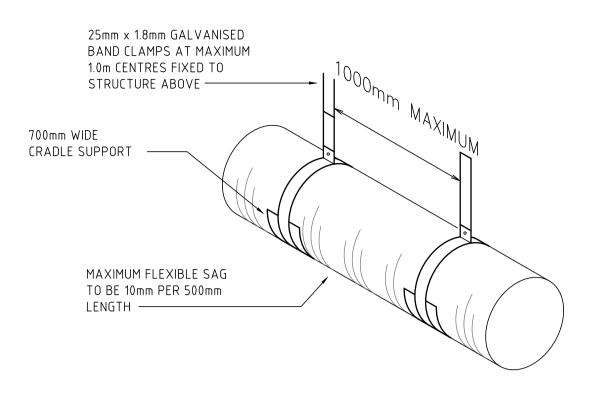




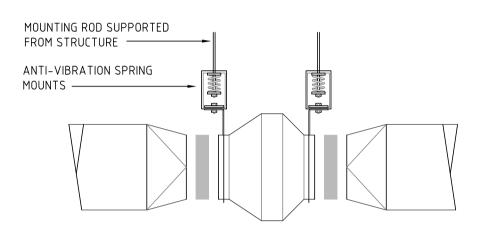








FLEXIBLE DUCT SUPPORT



IN-LINE-CENTRIFUGAL FAN MOUNTING DETAIL

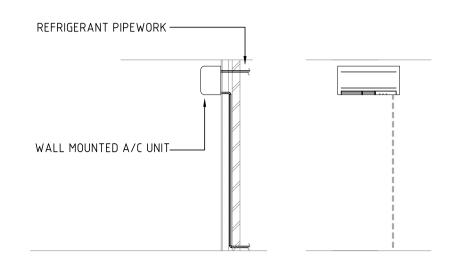
REF No.	QTY	ТҮРЕ	AIR FLOW L/s	EXTERNAL RESISTANCE Pa	MOTOR kW	FLA Amps	PHASE	MAX NOISE LEVEL dBA @3m	SPEED RPM	IMPELLER DIA mm	SWITCH BOARD	CONTROLS	FIRE MODE	MAKE
4F-01	1	IN-LINE FAN	200	100	0.29	1.45	1	43	1180	280	EDB	FAN INTERLOCKED WITH AC OPERATION	N/A	FANTECH MODEL OR APPROVED EQUA
4F-02	1	HEADER BOX	50	100	0.06	0.27	1	38	950	150	EDB	FAN INTERLOCKED WITH LIGHT SWITCH	N/A	FANTECH MODEL OR APPROVED EQUA
-01	1	IN-LINE FAN	90	100	0.11	0.80	1	37	1560	200	EDB	FAN TO RUN CONTINUOUSLY DURING NORMAL OCUUPANCY HOURS	N/A	FANTECH MODEL OR APPROVED EQUA
-02	1	IN-LINE FAN	70	100	0.06	0.50	1	37	1860	150	EDB	FAN TO RUN CONTINUOUSLY DURING NORMAL OCUUPANCY HOURS	N/A	FANTECH MODEL OR APPROVED EQUA

AIR COOLED REVERSE CYCLE SPLIT AC UNIT SCHEDULE

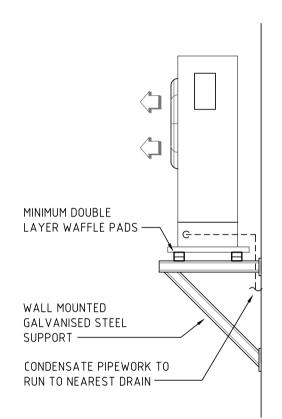
AIR COULED REVERSE CTULE SPLIT AU UNIT SUREDULE																
QTY	AIR FLOW l/s		COOLING CAPACITY KW		HEATING CAPACITY KW		COOLING COIL		ESP	BOARD	CU	No. OF	POWER INPUT	RLA	CU WEIGHT	REMARKS
	SUPPLY	OUTSIDE	TOTAL	SENSIBLE	TOTAL	SENSIBLE	AIR ON DB°C	AIR ON WB°C	Pa		REF No.	PHASES	ĸw	Α	(kg)	
1	340	-	5.0	-	6.0	-	27	19	-	EDB	CU-01	1	1.23	3.8	54	DAIKIN, LG, SAMSUNG EQUIVALENT OR APPROVED EQUAL
1	340	-	5.0	-	6.0	-	27	19	-	EDB	CU-02	1	1.23	3.8	54	DAIKIN, LG, SAMSUNG EQUIVALENT OR APPROVED EQUAL
1	250	-	4.6	-	4.7	-	27	19	-	EDB	CU-03	1	1.17	4.2	51	DAIKIN, LG, SAMSUNG EQUIVALENT OR APPROVED EQUAL
1	250	-	4.6	-	4.7	-	27	19	-	EDB	CU-04	1	1.17	4.2	51	DAIKIN, LG, SAMSUNG EQUIVALENT OR APPROVED EQUAL
1	220	-	2.2	-	2.7	-	27	19	-	EDB	CU-05	1	0.50	1.3	28	DAIKIN, LG, SAMSUNG EQUIVALENT OR APPROVED EQUAL
1	220	-	2.2	-	2.7	-	27	19	-	EDB	CU-06	1	0.50	1.3	28	DAIKIN, LG, SAMSUNG EQUIVALENT OR APPROVED EQUAL
1	220	-	2.2	-	2.7	-	27	19	-	EDB	CU-07	1	0.50	1.3	28	DAIKIN, LG, SAMSUNG EQUIVALENT OR APPROVED EQUAL
	QTY 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	QTY AIR FL SUPPLY 1 340 1 340 1 250 1 250 1 220 1 220	AIR FLUW I/s SUPPLY OUTSIDE 1 340 - 1 340 - 1 340 - 1 250 - 1 250 - 1 220 - 1 220 -	AIR FLOW I/s COOLING C. SUPPLY OUTSIDE TOTAL 1 340 - 5.0 1 340 - 5.0 1 340 - 5.0 1 250 - 4.6 1 250 - 2.2 1 220 - 2.2	AIR FLOW L/s COOLING CAPACITY kW SUPPLY OUTSIDE TOTAL SENSIBLE 1 340 - 5.0 - 1 340 - 5.0 - 1 340 - 5.0 - 1 250 - 4.6 - 1 250 - 4.6 - 1 220 - 2.2 - 1 220 - 2.2 -	AIR FLOW L/s COOLING CARCITY kW HEATING OF SUPPLY OUTSIDE TOTAL SENSIBLE TOTAL 1 340 - 5.0 - 6.0 1 340 - 5.0 - 6.0 1 340 - 4.6 - 4.7 1 250 - 4.6 - 4.7 1 220 - 2.2 2.7 2.7 1 220 - 2.2 2.7 2.7	AIR FLUE I/S COOLING CARCITY kW HEATING CARCITY kW SUPPLY OUTSIDE TOTAL SENSIBLE TOTAL SENSIBLE 1 340 - 5.0 - 6.0 - 1 340 - 5.0 - 6.0 - 1 340 - 5.0 - 6.0 - 1 340 - 5.0 - 6.0 - 1 250 - 4.6 - 4.7 - 1 250 - 4.6 - 4.7 - 1 220 - 2.2 - 2.7 - 1 220 - 2.2 - 2.7 -	AIR FLUE I/s COOLING CAPACITY kW HEATING CAPACITY kW COOLING SUPPLY OUTSIDE TOTAL SENSIBLE TOTAL SENSIBLE AIR ON DB°C 1 340 - 5.0 - 6.0 - 27 1 340 - 5.0 - 6.0 - 27 1 340 - 4.6 - 4.7 27 27 1 250 - 4.6 $ 4.7$ 27 27 1 250 - 2.2 $ 2.7$ 27 27 1 250 - 2.2 $ 2.7$ 27 27 1 220 - 2.2 $ 2.7$ 2.7 2.7 1 220 - 2.2 $ 2.7$ 2.7 2.7	QTYAIR FLUE I/SCOOLING CARACITY kWHEATING CARCITY kWCOOLING COILSUPPLYOUTSIDETOTALSENSIBLETOTALSENSIBLEAIR ON DB°CAIR ON WB°C1 340 - 5.0 - 6.0 - 27 19 1 340 - 5.0 - 6.0 - 27 19 1 250 - 4.6 - 4.7 - 27 19 1 250 - 4.6 - 4.7 - 27 19 1 220 - 2.2 - 2.7 $ 27$ 19 1 220 - 2.2 - 2.7 $ 27$ 19 1 220 - 2.2 $ 2.7$ $ 27$ 19 1 220 - 2.2 $ 2.7$ $ 27$ 19	AIR FLV 1/s COOLING CAPACITY kW HEATING CAPACITY kW COOLING COLL ESP Pa SUPPLY OUTSIDE TOTAL SENSIBLE TOTAL SENSIBLE AIR ON DB°C AIR ON WB°C Pa 1 340 - 5.0 - 6.0 - 27 19 - 1 340 - 5.0 - 6.0 - 27 19 - 1 340 - 4.6 - 4.7 27 19 - 1 250 - 4.6 - 4.7 27 19 - 1 250 - 4.6 - 4.7 27 19 - 1 250 - 4.6 - 4.7 27 19 - 1 220 - 2.2 - 2.7 27 19 - 1 220 - 2.2 2.7 2.7 27 19 -	AIR FLV 1/s COOLING C-PACITY kW HEATING C-PACITY kW COOLING COLL ESP Pa BOARD SUPPLY OUTSIDE TOTAL SENSIBLE TOTAL SENSIBLE AIR ON DB°C AIR ON WB°C Pa Pa 1 340 - 5.0 - 6.0 - 27 19 - EDB 1 340 - 5.0 - 6.0 - 27 19 - EDB 1 340 - 4.6 - 4.7 27 19 - EDB 1 250 - 4.6 - 4.7 27 19 - EDB 1 250 - 4.6 - 4.7 27 19 - EDB 1 220 - 2.2 $ 2.7$ 27 19 - EDB 1 220 - 2.2 $ 2.7$ 27 19	AIR F-W I/s COOLING C-PACITY kW HEATING C-PACITY kW COOLIN- Coll ESP Pa BOARD CU REF No. 1 SUPPLY OUTSIDE TOTAL SENSIBLE TOTAL SENSIBLE AIR ON DB°C AIR ON WB°C Pa DOLNO REF No. 1 340 - 5.0 - 6.0 - 27 19 - EDB CU-01 1 340 - 5.0 - 6.0 - 27 19 - EDB CU-01 1 340 - 5.0 - 6.0 - 27 19 - EDB CU-02 1 250 - 4.6 - 4.7 27 19 - EDB CU-03 1 250 - 4.6 - 4.7 27 19 - EDB CU-04 1 220 - 2.2 2.7 2.7 27 19 - EDB CU-05	QTAIR FLUX I/SCOOLING \leftarrow ACITY kWHEATING \leftarrow ACITY kWCOOLINC \leftarrow III KOESPBOARDCUREF No.No. OFSUPPLYOUTSIDETOTALSENSIBLETOTALSENSIBLEAIR ON DB°CAIR ON WB°CPaCUREF No.Pa<	AIR $+$ $+$ $+$ COOLING $ +$ ACITY $+$ HEATING $ +$ ACITY $+$ COOLI $-$ ESPBOARDCUNo. OFPOWER INPUTNo. OFPOWER INPUT13400-5.0-6.0-2719-EDBCU-0311.2311.23112500-4.6-4.7-2719-EDBCU-0411.1711111111111111111111111111	AIR FLOW I/sCOOLING CPACITY kWHEATING CPACITY kWCOOLING PACITY kWCOOLING PACITY kWCOOLING PACITY kWCOOLING PACITY kWCOOLING PACITY kWCOOLING PACITY kWRLA PASUPPLYOUTSIDETOTALSENSIBLETOTALSENSIBLEAIR ON DB°CAIR ON DB°CPAPAPHASESPHASESPKKA1340-5.0-6.0-2719-EDBCU-0111.233.81340-5.0-6.0-2719-EDBCU-0211.233.81340-4.6-4.7-2719-EDBCU-0311.174.21250-4.6-4.7-2719-EDBCU-0411.174.21250-4.6-4.7-2719-EDBCU-0511.174.21250-4.6-4.7-2719-EDBCU-0511.174.21220-2.2-2.7-2719-EDBCU-0510.501.31220-2.2-2.7-2719-EDBCU-0610.501.31220-2.2-2.7-2719-EDBCU-06	AIR FUNCCOOLING UNG UNG UNG UNG UNG UNG UNG UNG WARDHEATING UNG UNG UNG UNG UNG UNG UNG UNG UNG U

NOTE: CONTRACTOR IS RESPONSIBLE TO RUN REFRIGERANT PIPEWORK WITHIN MAXIMUM MANUFACTURER PIPE LENGTH REQUIREMENT. NOTE: FINAL SELECTION OF THE MECHANICAL EQUIPMENT TO BE PROVIDED BY THE MANUFACTURER.

NOTE: APPROX. WEIGHT OF THE OUTDOOR CONDENSING UNIT PROVIDED FOR STRUCTURAL ENGINEERS REVIEW



WALL MOUNTED A/C UNIT

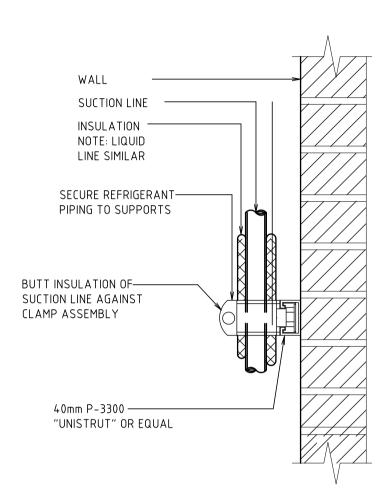


CONDENSING UNIT - WALL MOUNTED

FLEXIBLE DUCTWORK							
AIR FLOW RATE – L/s	FLEX SIZE - PREFERED	FLEX SIZE - OPTION					
0 - 47	1 x 150	1 x 150					
48 - 100	1 x 200	2 x 150					
101 – 175	1 x 250	2 × 200					
176 - 260	1 x 300	2 x 200					
261 - 350	1 x 350	2 x 250					
351 - 475	1 × 400	2 x 300					
476 - 600	1 x 450	2 x 350					
601 - 750	1 x 500	2 × 400					
751 - 950	2 × 400	3 x 350					
951 – 1200	2 x 450	3 x 400					
1201 - 1500	2 x 500	3 x 450					



DG 0-80 201-300





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P1 03.04.2025 100% CLIENT REVIEW

REFRIGERANT PIPE SUPPORT AT WALL

R GRILLES								
AIR FLOW	SIZE							
0-80	600x150							
81-200	600x200							
201-300	600x300							
301-400	600×400							





Project North



Client: Architect:	VINCENT JARVIS
Project Number: Drawing Number: Revision:	
Drawn by: Designed by: Approved by: Scale:	NS NS SS NTS @ A1

NEW WAREHOUSE, 39 CERES DRIVE, THURGOONA, NSW, 2640

EQUIPMENT SCHEDULE

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