

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	SOLID DUCTWORK (UN-INSULATED).
	ACOUSTICALLY INSULATED DUCTWORK. (R2.0 MINIMUM).
	ACOUSTICALLY INSULATED DUCTWORK. (R3.0 MINIMUM).
	SUPPLY/RETURN/EXHAUST AIR DUCT RISER.
	DIRECTION OF FLOW: S/A = SUPPLY AIR O/A = OUTDOOR AIR R/A = RETURN AIR E/A = EXHAUST AIR
	AIR FLOW RATE CUSHION HEAD CONNECTION DIRECT CONNECTION 0-80L/s Ø200 mm Ø200 mm 81-120L/s Ø250 mm Ø250 mm 121-180L/s Ø300 mm Ø300 mm 181-240L/s Ø350 mm Ø350 mm 241-340L/s Ø400 mm Ø400 mm 341-440L/s Ø450 mm Ø450 mm
	CONDENSATE PIPE.
	REFRIGERANT PIPE.
	CEILING SUPPLY DIFFUSER, NECK/FACE DIMENSIONS (SQ) & AIRFLOW AS SHOWN (ALUMINIUM CONSTRUCTION).
	CEILING EXHAUST GRILLE, NECK/FACE DIMENSIONS (SQ) & AIRFLOW AS SHOWN (ALUMINIUM CONSTRUCTION).
	RETURN AIR GRILLE, EGG CRATE TYPE. (ALUMINIUM CONSTRUCTION).
	AIR FLOW RATE (L/s) TYPICAL DOOR GRILLE SIZE mm x mm 0-70L/s 600 x 150 75-150L/s 600 x 250 155-225L/s 600 x 400 230-300L/s 600 x 500 305-375L/s 600 x 1000
	UNDERCUT DOOR 25mm. (BY BUILDING CONTRACTOR).
	600x600 ACCESS PANEL (UNLESS OTHERWISE NOTES). (BY BUILDING CONTRACTOR).
	FIRE DAMPER.
	PROPRIETARY CONTROL PANEL AND THERMOSTAT. CONFIRM LOCATION VIA SHOP DRAWINGS & ON SITE.
	SPIGOT WITH BALANCING DAMPER.
	NOTES IN A BOX BY OTHER TRADES.
	IN WALL TUNISH. BY HYDRAULIC SERVICES CONTRACTOR.
	10. 3ø ISOLATOR. BY ELECTRICAL SERVICES CONTRACTOR.

- NOTE:
- CO-ORDINATE THE WHOLE INSTALLATION WITH ALL OTHER TRADES.
 - CONFIRM ALL LOCATIONS ON SITE AND ON SHOP DRAWINGS.
 - TRIMMED PENETRATIONS WITH UPSTANDS BY OTHER TRADES.
 - DRAIN ALL UNITS TO TUNDISHES SUPPLIED BY HYDRAULIC CONTRACTOR. COORDINATE THE WORK & COMPLY WITH SA WATER REQUIREMENTS.
 - INSTALL WEATHERPROOF COVERS OVER ALL FLEXIBLE CONNECTIONS.
 - LOCATION OF EXHAUST FANS ARE INDICATIVE ONLY. ALLOW TO MOVE EXHAUST FANS 4 METRES FROM WHERE SHOWN ON DRAWINGS.
 - MAINTAIN MIN. 6m SEPARATION BETWEEN OUTDOOR AIR INTAKE AND EXHAUST AIR DISCHARGE.
 - PROVIDE SPIRO (RIGID) DUCTWORK WHERE FLEXIBLE DUCTWORK EXCEEDS 6m IN LENGTH.
 - PROVIDE 300mm FROM END OF DUCT TO FINAL SPIGOT CONNECTION.
 - DUCT MOUNTED ACCESS PANELS AT MIN. EVERY 3m INTERVALS AND AT EVERY CHANGE OF DIRECTION OF KITCHEN EXHAUST DUCTWORK. ALL DUCT MOUNTED ACCESS PANELS SHALL BE PROPRIETARY HOLYDAKE TYPE WITH GREASE RESISTANT SEALS.
 - INSTALL KITCHEN EXHAUST DUCTWORK WITH FALL TO DUCT RISER END, C/W DRAIN SOCKET TO U/SIDE OF BEND.

B	UPDATE BUILDING CERTIFICATION ISSUE	CG	GJC	22.10.19
A	BUILDING APPROVAL ISSUE	CG	GJC	10.10.19
No	REVISION		DRAWN/CHECKED	DATE

PROJECT
**PROPOSED MIXED
USE DEVELOPMENT**
AT: 76-78 COMMERCIAL ROAD
PORT ADELAIDE, SA
FOR: VITO GROUP PTY LTD.

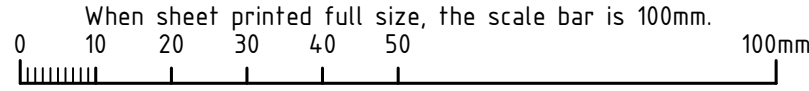
DRAWING TITLE
MECHANICAL SERVICES - FLOOR PLANS

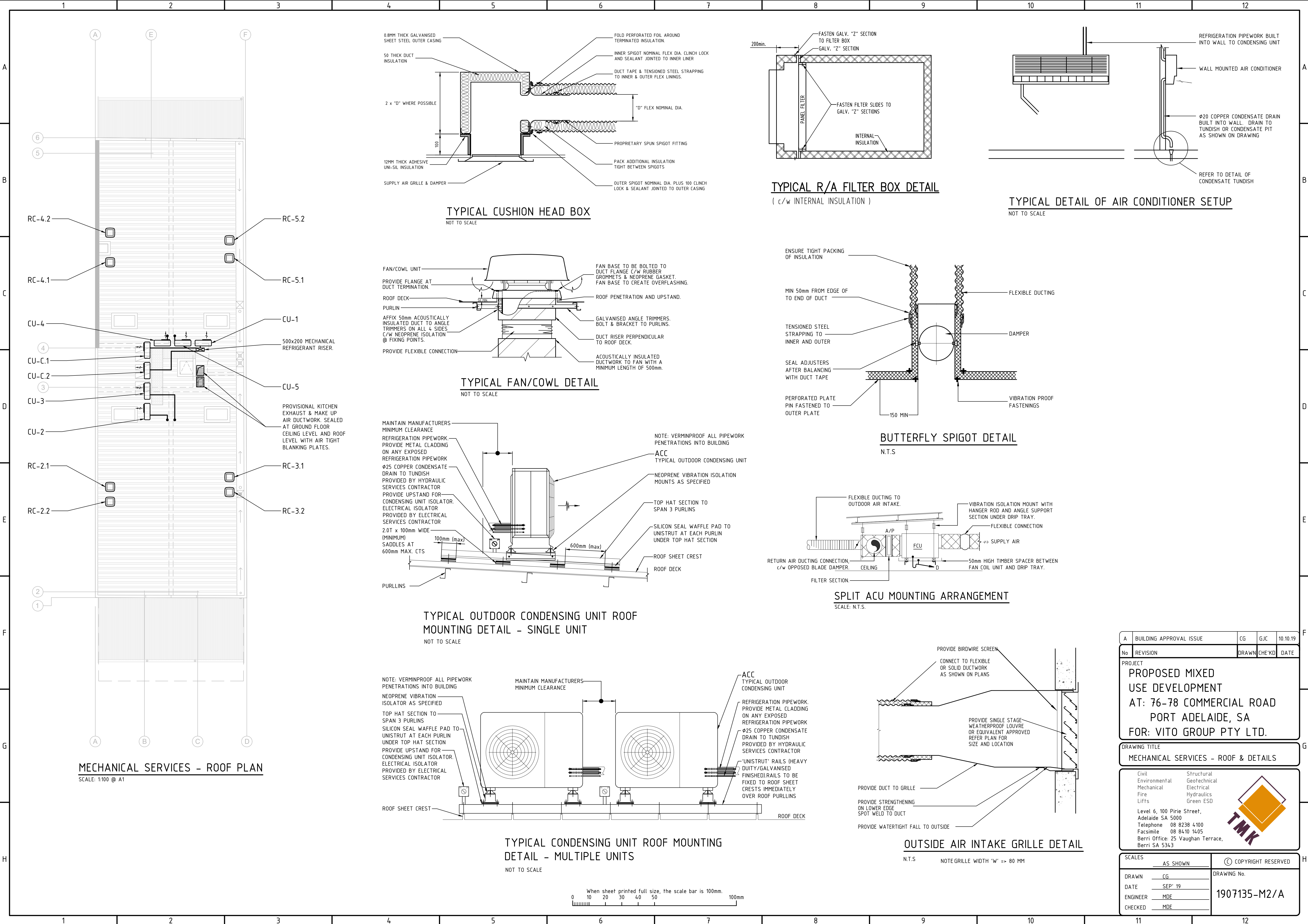
Civil
Environmental
Mechanical
Fire
Lifts

Structural
Geotechnical
Electrical
Hydraulics
Green ESD

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Berri SA 5343

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DRAWN	CG	DRAWING No.
DATE	SEP' 19	1907135-M1/B
ENGINEER	MDE	
CHECKED	MDE	





MECHANICAL SERVICES - ROOF PLAN
SCALE: 1:100 @ A1

TYPICAL CUSHION HEAD BOX
NOT TO SCALE

TYPICAL FAN/COWL DETAIL
NOT TO SCALE

TYPICAL OUTDOOR CONDENSING UNIT ROOF MOUNTING DETAIL - SINGLE UNIT
NOT TO SCALE

TYPICAL CONDENSING UNIT ROOF MOUNTING DETAIL - MULTIPLE UNITS
NOT TO SCALE

TYPICAL R/A FILTER BOX DETAIL
(c/w INTERNAL INSULATION)

TYPICAL DETAIL OF AIR CONDITIONER SETUP
NOT TO SCALE

BUTTERFLY SPIGOT DETAIL
N.T.S

SPLIT ACU MOUNTING ARRANGEMENT
SCALE: N.T.S.

OUTSIDE AIR INTAKE GRILLE DETAIL
N.T.S NOTE GRILLE WIDTH 'W' => 80 MM

A	BUILDING APPROVAL ISSUE	CG	GJC	10.10.19
No	REVISION		DRAWN/CHE'KD	DATE
PROJECT				
PROPOSED MIXED USE DEVELOPMENT				
AT: 76-78 COMMERCIAL ROAD				
PORT ADELAIDE, SA				
FOR: VITO GROUP PTY LTD.				
DRAWING TITLE				
MECHANICAL SERVICES - ROOF & DETAILS				
Civil Environmental Mechanical Fire Lifts				
Structural Geotechnical Electrical Hydraulics Green ESD				
Level 6, 100 Pirie Street, Adelaide SA 5000 Telephone 08 8238 4100 Facsimile 08 8410 1405 Berri Office: 25 Vaughan Terrace, Berri SA 5343				
TMK				
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ENGINEER MDE		1907135-M2/A		
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