

DRAWING SCHEDULE:	
M1 -	GROUND & 1ST FLOOR
M2 -	2ND & 3RD FLOOR
M3 -	ROOF & DETAILS

DRAWING SCHEDULE:	
M1 -	GROUND & 1ST FLOOR
M2 -	2ND & 3RD FLOOR
M3 -	DETAILS

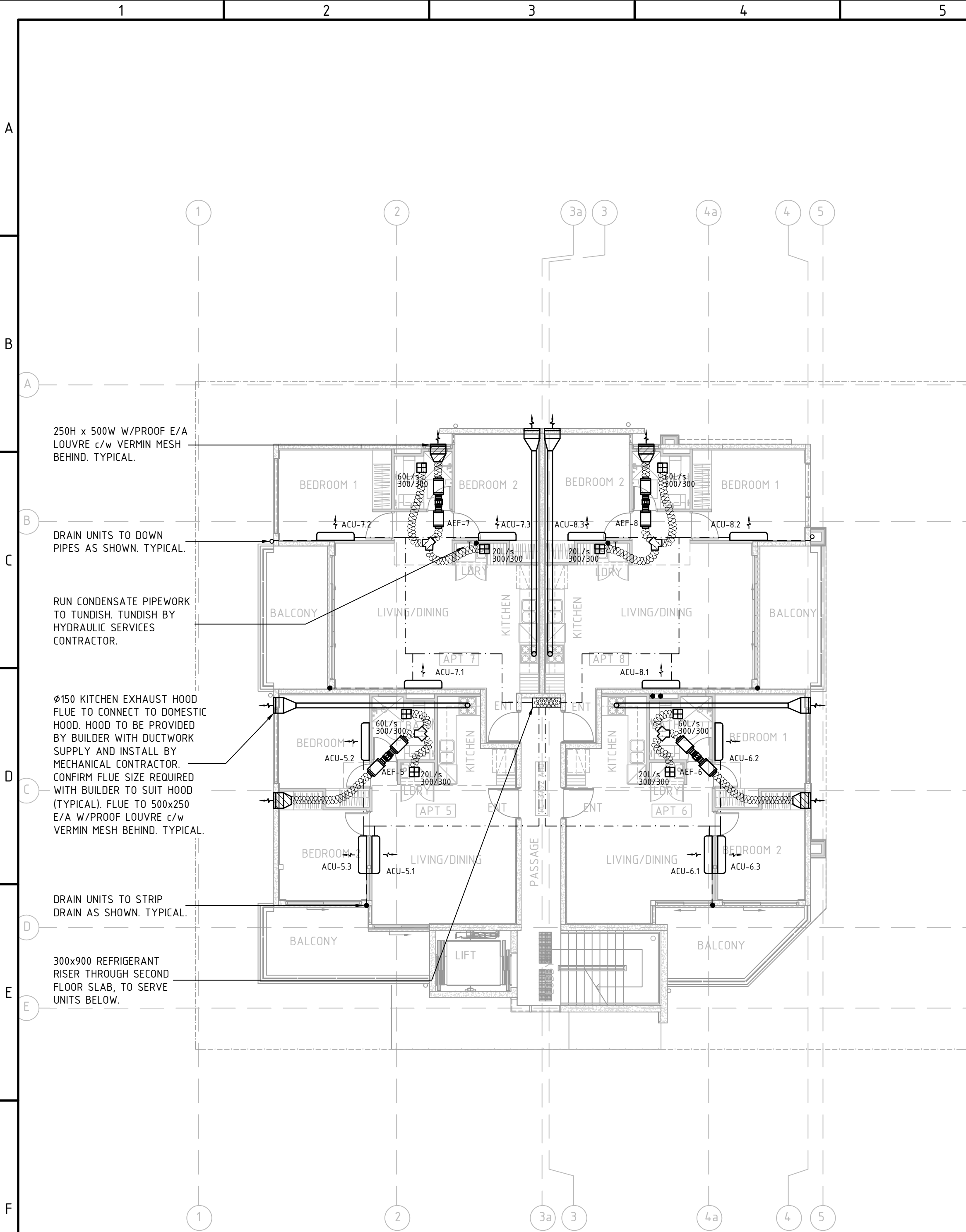
MECHANICAL LEGEND		
SYMBOL	DESCRIPTION	
	SOLID DUCTWORK (UN-INSULATED).	
	ACOUSTICALLY INSULATED DUCTWORK. (R2.0 MINIMUM).	
	ACOUSTICALLY INSULATED DUCTWORK. (R3.0 MINIMUM).	
	SUPPLY/RETURN/EXHAUST AIR DUCT RISER.	
	DIRECTION OF FLOW : SA = SUPPLY AIR RA = RETURN AIR, EA = EXHAUST AIR	
	AIR FLOW RATE	CUSHION HEAD CONNECTION
	0-80L/s	Ø200 mm
	81-120L/s	Ø250 mm
	121-160L/s	Ø300 mm
	161-240L/s	Ø350 mm
	241-340L/s	Ø400 mm
	341-440L/s	Ø450 mm
	CONDENSATE PIPE.	
	REFRIGERANT PIPE.	
	DIMENSIONS [SD] & AIRFLOW AS SHOWN (ALUMINIUM CONSTRUCTION).	
	RETURN AIR GRILLE, EGG CRATE TYPE. (ALUMINIUM CONSTRUCTION).	
	DOOR GRILLE BY BUILDING CONTRACTOR. 600x350 SIZE UNLESS NOTED OTHERWISE. UNDERCUT DOOR 25mm. (BY BUILDING CONTRACTOR).	
	600x600 ACCESS PANEL (U.O.N.). (BY BUILDING CONTRACTOR).	
	ON/OFF SWITCH, WITH STATUS LAMP. CONFIRM LOCATION VIA SHOP DRAWINGS & ON SITE.	
	THERMOSTAT, INDICATIVE LOCATION ONLY. TEMP. ADJUSTMENT CONCEALED BEHIND (ACCESSIBLE TO AUTHORISED PERSONS) CONFIRM LOCATION VIA SHOP DRAWINGS & ON SITE.	
	SPIGOT WITH BALANCING DAMPER.	
	CONDENSATE PIT. BY MECHANICAL CONTRACTOR.	
	IN WALL TUNDISH. BY PLUMBING CONTRACTOR.	
	TUNDISH. BY PLUMBING CONTRACTOR.	
	WALL SPLIT SYSTEM, INDOOR UNIT.	
	CONDENSING UNIT ON CONCRETE PLINTH. (SIDE DISCHARGE).	

- NOTE:
1. CO-ORDINATE THE WHOLE INSTALLATION WITH ALL OTHER TRADES.
 2. CONFIRM ALL LOCATIONS ON SITE AND ON SHOP DRAWINGS.
 3. TRIMMED PENETRATIONS WITH UPSTANDS BY OTHER TRADES.
 4. DRAIN ALL UNITS TO TUNDISHES SUPPLIED BY HYDRAULIC CONTRACTOR. COORDINATE THE THIS WORK & COMPLY WITH SA WATER REQUIREMENTS.
 5. INSTALL WEATHERPROOF COVERS OVER ALL FLEXIBLE CONNECTIONS.
 6. LOCATION OF EXHAUST FANS ARE INDICATIVE ONLY. ALLOW TO MOVE EXHAUST FANS 4 METRES FROM WHERE SHOWN ON DRAWINGS.
 7. MAINTAIN MIN. 6m SEPARATION BETWEEN OUTDOOR AIR INTAKE AND EXHAUST AIR DISCHARGE.
 8. PROVIDE SPIRO (RIGID) DUCTWORK WHERE FLEXIBLE DUCTWORK EXCEEDS 6m IN LENGTH.
 9. PROVIDE 300mm FROM END OF DUCT TO FINAL SPIGOT CONNECTION.

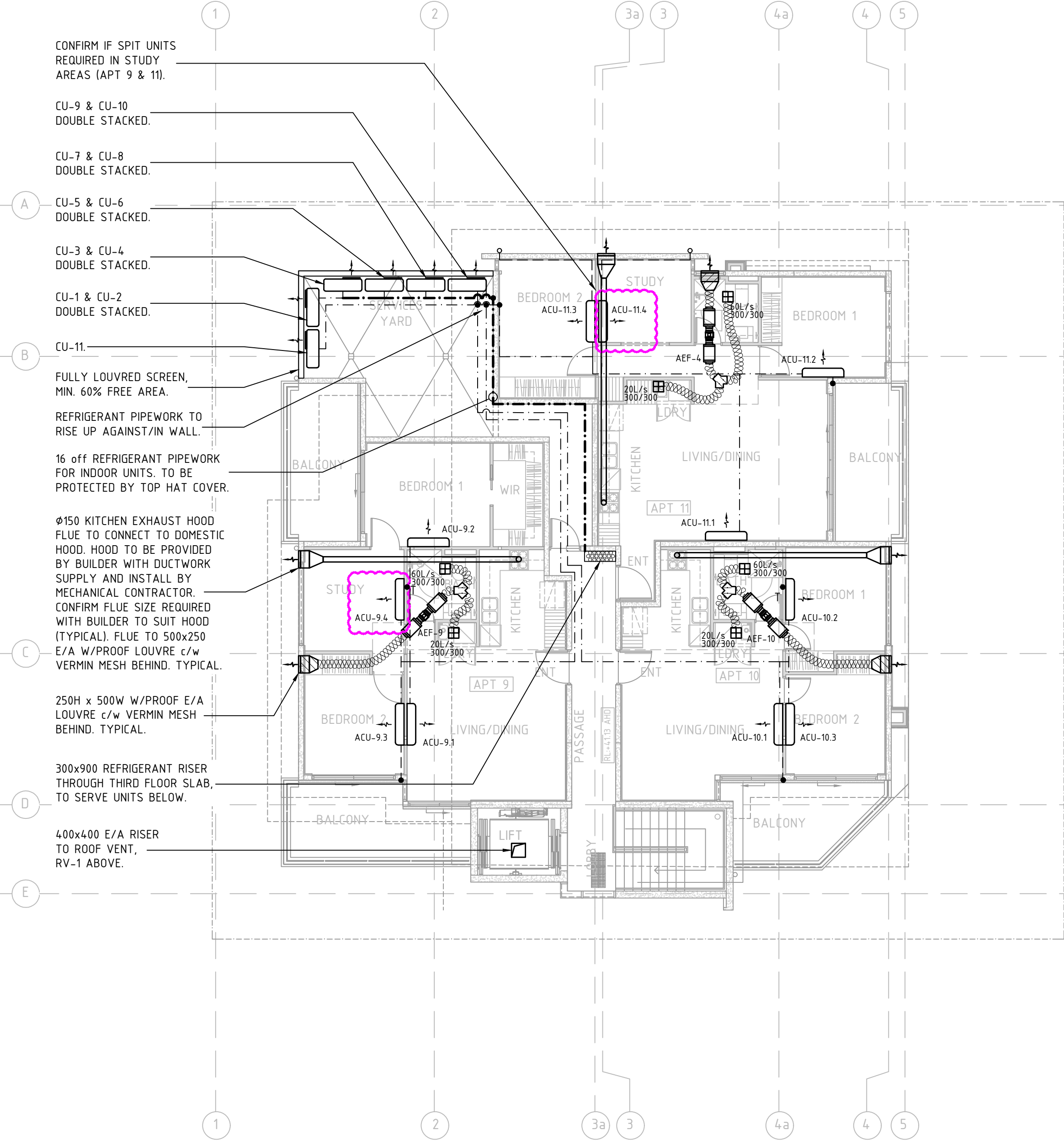
MECHANICAL SERVICES - GROUND FLOOR PLAN
SCALE: 1:100 @ A1

MECHANICAL SERVICES - FIRST FLOOR PLAN
SCALE: 1:100 @ A1

A	BUILDING APPROVAL ISSUE	MDE	GJC	07.09.18
No	REVISION	DRAWN	CHE'KD	DATE
PROJECT				
PROPOSED RESIDENTIAL DEVELOPMENT				
AT: 419 REGENCY ROAD PROSPECT				
FOR: NIATRON 10 PTY LTD				
DRAWING TITLE				
MECHANICAL SERVICES - GROUND & 1ST FLOOR				
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 CONSULTING ENGINEERS				
SCALES				
AS SHOWN				
DRAWN				
DATE				
ENGINEER				
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DRAWING No.				
1710168-M1/A				



MECHANICAL SERVICES - SECOND FLOOR PLAN
SCALE: 1:100 @ A1



MECHANICAL SERVICES - THIRD FLOOR PLAN
SCALE: 1:100 @ A1

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 : SA = SUPPLY AIR OA = OUTDOOR AIR RA = RETURN AIR, E/A = EXHAUST AIR			
	FLEXIBLE DUCTWORK	AIR FLOW RATE	CUSHION HEAD CONNECTION	DIRECT CONNECTION
		0-80L/s	Ø200 mm	Ø200 mm
		81-120L/s	Ø250 mm	Ø250 mm
		121-160L/s	Ø300 mm	Ø300 mm
		161-240L/s	Ø350 mm	Ø350 mm
		241-340L/s	Ø400 mm	Ø400 mm
		341-440L/s	Ø450 mm	Ø450 mm
	CONDENSATE PIPE.			
	REFRIGERANT PIPE.			
	DIMENSIONS [SD] & AIRFLOW AS SHOWN (ALUMINIUM CONSTRUCTION).			
	RETURN AIR GRILLE, EGG CRATE TYPE. (ALUMINIUM CONSTRUCTION).			
	DOOR GRILLE BY BUILDING CONTRACTOR. 600x350 SIZE UNLESS NOTED OTHERWISE.			
	UNDERCUT DOOR 25mm (BY BUILDING CONTRACTOR).			
	600x600 ACCESS PANEL (U.O.N.) (BY BUILDING CONTRACTOR).			
	ON/OFF SWITCH, WITH STATUS LAMP. CONFIRM LOCATION VIA SHOP DRAWINGS & ON SITE.			
	THERMOSTAT, INDICATIVE LOCATION ONLY. TEMP. ADJUSTMENT CONCEALED BEHIND (ACCESSIBLE TO AUTHORISED PERSONS) CONFIRM LOCATION VIA SHOP DRAWINGS & ON SITE.			
	SPIGOT WITH BALANCING DAMPER.			
	CONDENSATE PIT. BY MECHANICAL CONTRACTOR.			
	IN WALL TUNDISH. BY PLUMBING CONTRACTOR.			
	TUNDISH. BY PLUMBING CONTRACTOR.			
	WALL SPLIT SYSTEM, INDOOR UNIT.			
	CONDENSING UNIT ON CONCRETE PLINTH. (SIDE DISCHARGE).			

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 9. PROVIDE 300mm FROM END OF DUCT TO FINAL SPIGOT CONNECTION.

A	BUILDING APPROVAL ISSUE	MDE	GJC	07.09.18
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PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT
AT: 419 REGENCY ROAD PROSPECT
FOR: NIATRON 10 PTY LTD

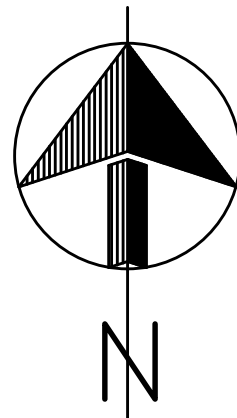
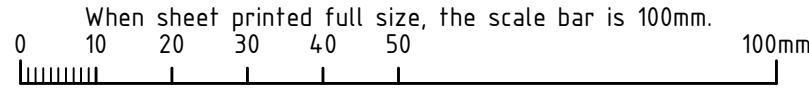
DRAWING TITLE
MECHANICAL SERVICES - 2ND & 3RD FLOOR

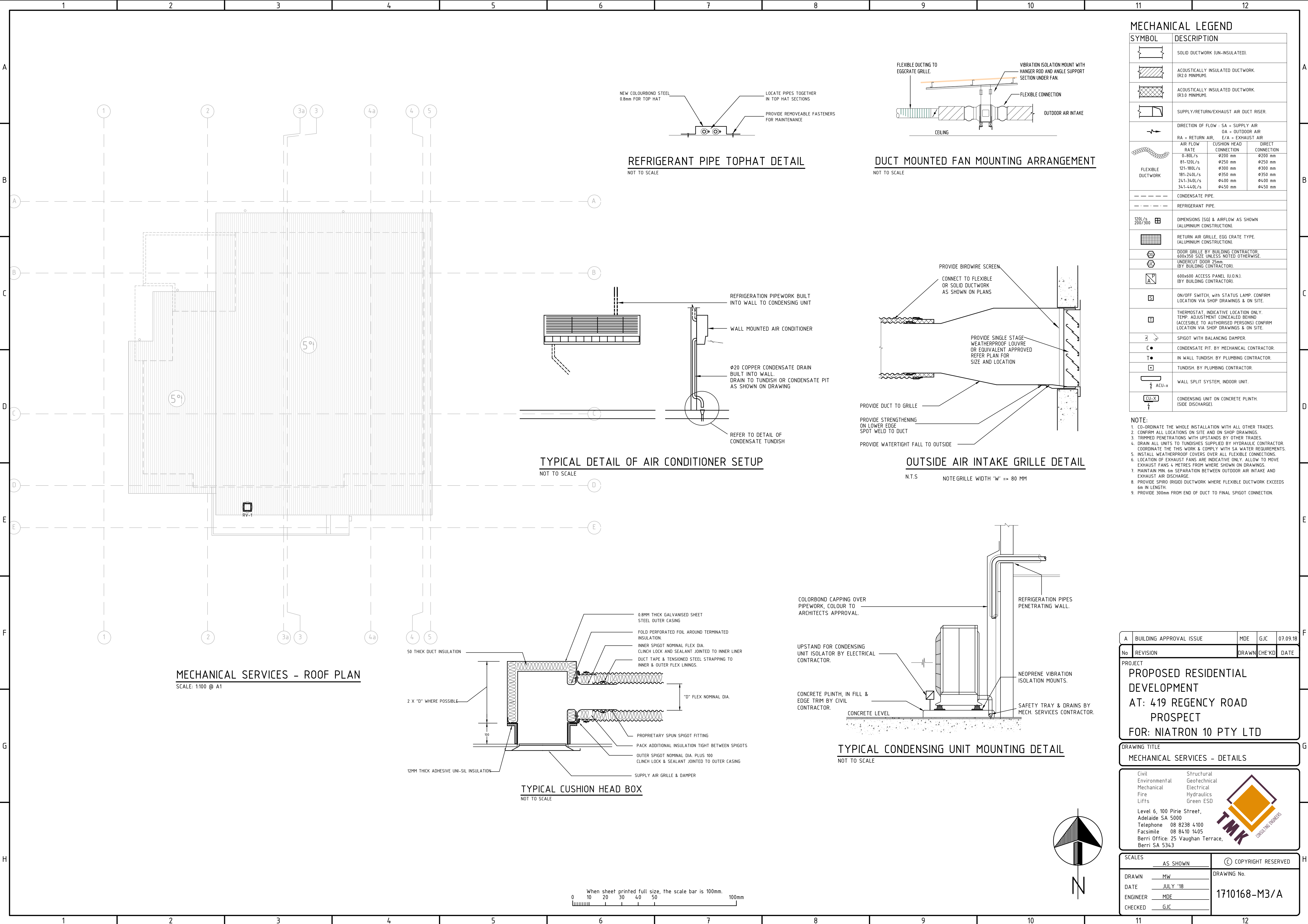
Civil
Environmental
Mechanical
Fire
Lifts

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

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DRAWN	MW	DRAWING No. 1710168-M2/A
DATE	JULY '18	
ENGINEER	MDE	
CHECKED	GJC	





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

REFRIGERANT PIPE TOPHAT DETAIL
NOT TO SCALE

DUCT MOUNTED FAN MOUNTING ARRANGEMENT
NOT TO SCALE

TYPICAL DETAIL OF AIR CONDITIONER SETUP
NOT TO SCALE

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

TYPICAL CUSHION HEAD BOX
NOT TO SCALE

TYPICAL CONDENSING UNIT MOUNTING DETAIL
NOT TO SCALE

MECHANICAL LEGEND

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No	REVISION	DRAWN		CHEKD DATE
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PROPOSED RESIDENTIAL DEVELOPMENT				
AT: 419 REGENCY ROAD PROSPECT				
FOR: NIATRON 10 PTY LTD				
DRAWING TITLE				
MECHANICAL SERVICES - DETAILS				
<div>Civil Structural Environmental Geotechnical Mechanical Electrical Fire Hydraulics Lifts Green ESD</div> <div>Level 6, 100 Pirie Street, Adelaide SA 5000 Telephone 08 8238 4100 Facsimile 08 8410 1405 Berri Office: 25 Vaughan Terrace, Berri SA 5343</div> <div> TMK CREATING BUSINESS</div>				
SCALES		COPYRIGHT RESERVED		
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DRAWN	MW	DATE		
DATE	JULY '18	1710168-M3/A		
ENGINEER	MDE			
CHECKED	GJC			

