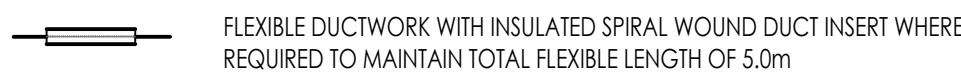
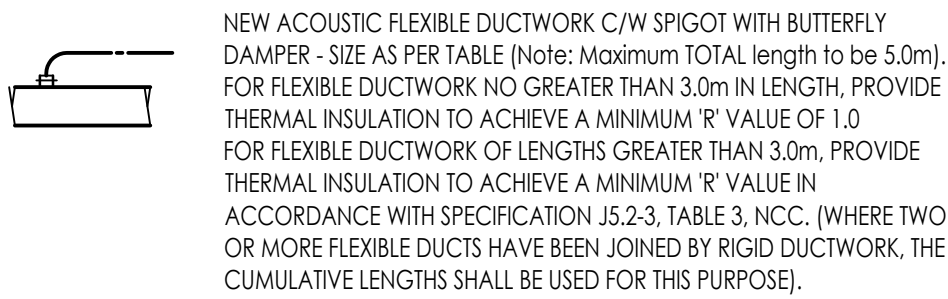
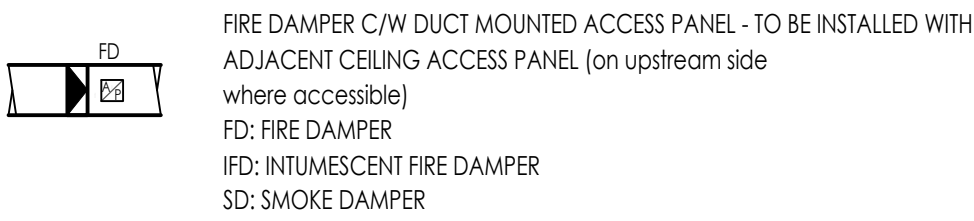
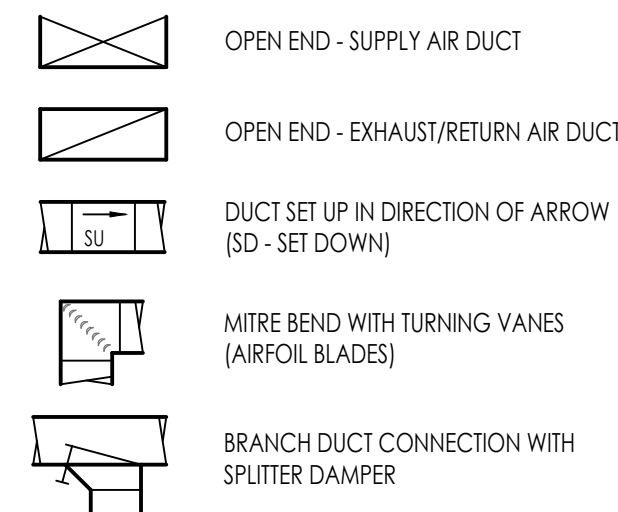
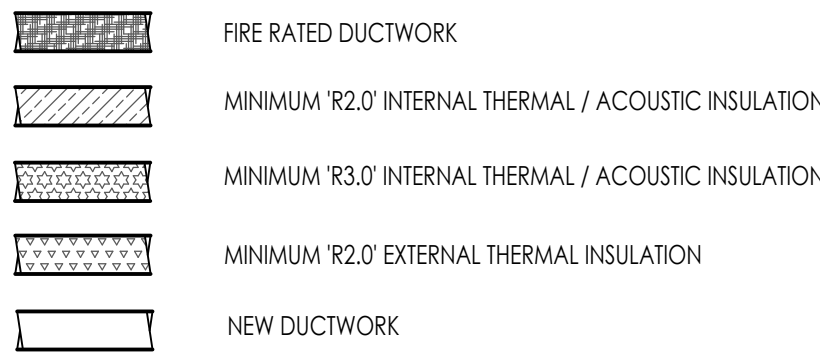


COMMUNITY INFRASTRUCTURE DEPOT

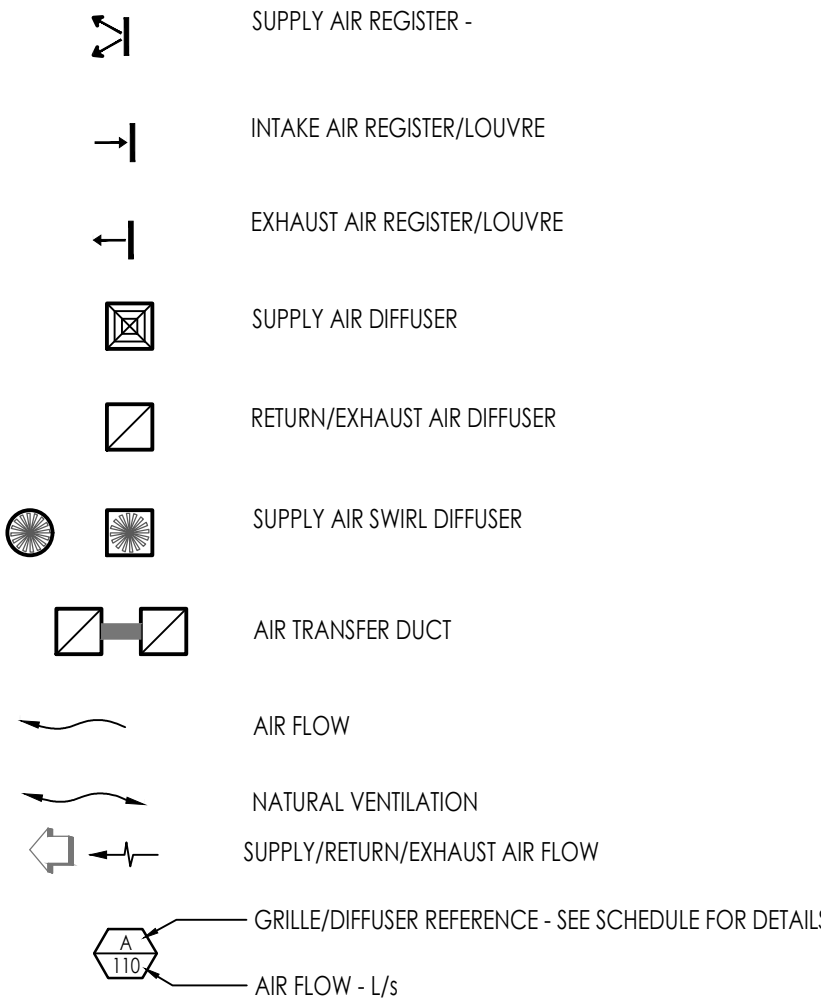
252 COAL ROAD, MUSWELLBROOK NSW 2333

MECHANICAL SERVICES

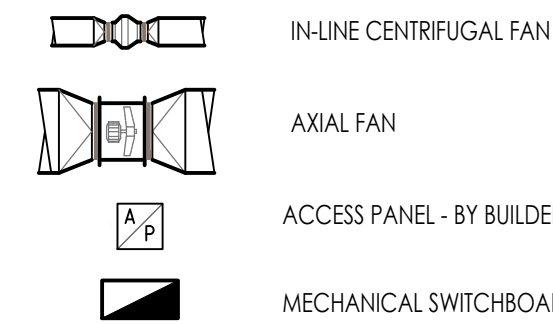
DUCTWORK LEGEND



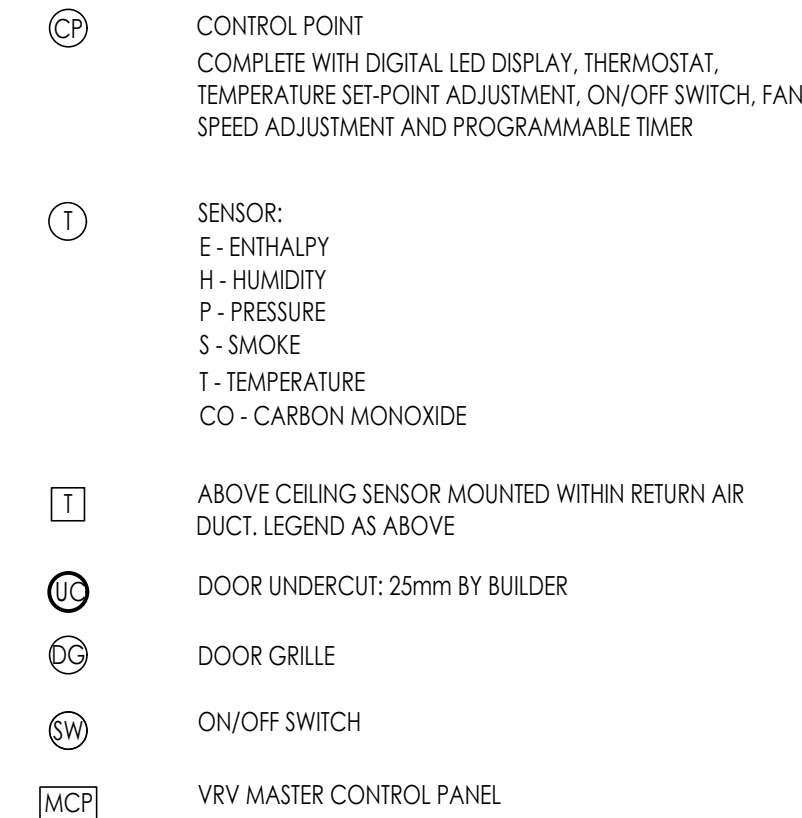
DIFFUSERS AND GRILLES LEGEND



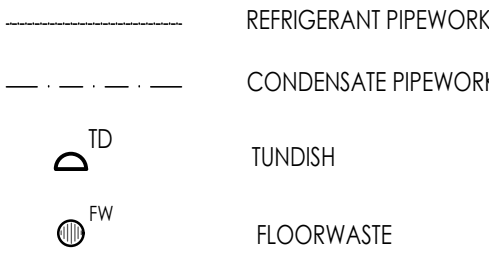
EQUIPMENT LEGEND



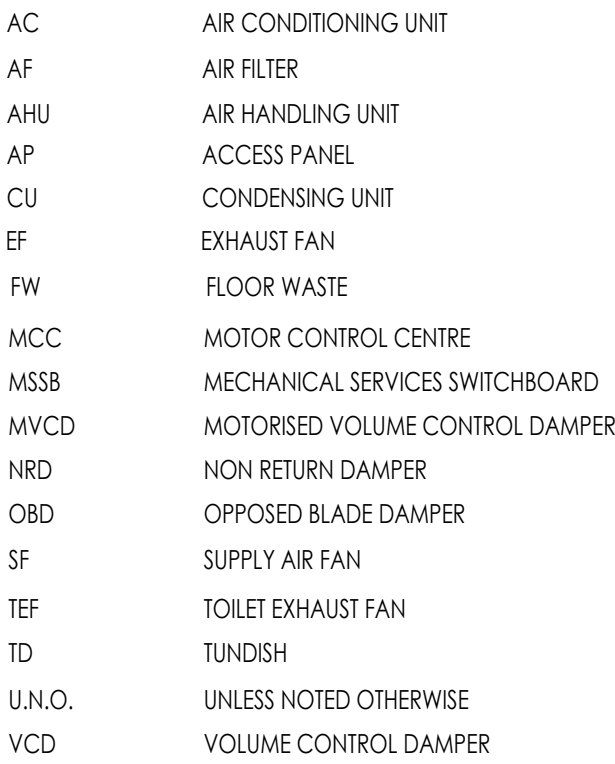
SENSORS & CONTROL POINTS LEGEND



PIPEWORK LEGEND



ABBREVIATIONS



RULES AND REGULATIONS

ALL WORK PERFORMED SHALL BE COMPLETE WITH ALL NECESSARY EQUIPMENT FOR ITS SATISFACTORY OPERATION, CONTROL AND MAINTENANCE UNDER ALL NORMAL CONDITIONS OF SERVICE AND SHALL COMPLY IN ALL RESPECTS WITH THE REGULATIONS AND BY-LAWS OF:

(a) STATUTORY AUTHORITIES.

(b) BUILDING CODE OF AUSTRALIA.

(c) THE STANDARDS ASSOCIATION OF AUSTRALIA (IN PARTICULAR THE REQUIREMENTS OF AS1668 PARTS 1 and 2 AND AS2107).

(d) THE AUSTRALIAN REFRIGERATION AND AIR CONDITIONING CODE OF GOOD PRACTICE HB 40.

(e) WIRING RULES TO AS3000.

(f) THE LOCAL SUPPLY AUTHORITY.

(g) ANY OTHER AUTHORITIES HAVING JURISDICTION OVER THIS INSTALLATION.

WORKS BY BUILDER

01. ALL FLOOR, ROOF, WALL OR CEILING PENETRATION WITH TRIMMINGS.

02. CUTTING OF SUSPENDED CEILINGS FOR SUPPLY AIR DIFFUSERS, GRILLES AND RETURN AIR INLETS.

03. CUTTING AND MAKING GOOD AS NECESSARY OF CHASES OR PROVIDING CONDUITS IN COLUMNS AND WALLS FOR THERMOSTATS, CONDENSATE DRAINPIES.

04. PROVISION OF EXTERNAL UNDER FLASHING TO EXTERNAL PENETRATIONS (OVER FLASHING IS TO BE PROVIDED BY MECHANICAL CONTRACTOR).

05. ALL LOUVRES, PENETRATIONS, MAKING GOOD, UNDERCUT DOORS, BULKHEADS AND ACCESS PANELS SHALL BE BY THE BUILDER.

PROJECT NOTES

01. CONSTRUCTION AND INSTALLATION OF DUCTWORK SHALL BE IN ACCORDANCE WITH AS1668 AND AS4254.

02. ALL DUCT DIMENSIONS ARE CLEAR INTERNAL DIMENSIONS EXCLUDING THE THICKNESS OF INSULATION.

03. ELECTRICAL CONTRACTOR SHALL PROVIDE SUB-MAIN POWER TO THE MECHANICAL BOARDS. MECHANICAL CONTRACTOR SHALL TERMINATE POWER AT THE BOARDS AND SHALL RUN POWER AND CONTROL WIRING TO MECHANICAL EQUIPMENT VIA ISOLATION SWITCHES.

04. ALL INFORMATION CONTAINED WITHIN THE EQUIPMENT SCHEDULES IS FOR TENDERING PURPOSES ONLY.

05. THE SERVICES INDICATED ON THE DRAWINGS SHOW THE GENERAL DESIGN INTENT AND SCHEMATIC ROUTES. THE CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF THE SERVICES ON SITE AND COORDINATION WITH ALL TRADES.

06. ANY DISCREPANCIES BETWEEN THE DOCUMENTATION AND THE EXISTING SITE CONDITIONS FOUND DURING THE TENDER STAGE NEED TO BE BROUGHT TO THE ATTENTION TO THE CONSULTING ENGINEER AND ANY COST ALLOWANCES MADE FOR SUCH DISCREPANCIES.

07. THESE ARE NOT SHOP DRAWINGS. SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR APPROVAL BEFORE INSTALLATION.

08. EXTERNAL STATIC PRESSURES HAVE BEEN GIVEN AS A GUIDE FOR TENDERING PURPOSES ONLY. ALL PRESSURE DROPS SHALL BE CALCULATED BY THE CONTRACTOR FOR THE ACTUAL EQUIPMENT EMPLOYED AND THE DUCT RUNS.

09. ALL EQUIPMENT TO BE PROVIDED WITH LOCAL ELECTRICAL ISOLATORS.

10. PROVIDE ALL NECESSARY STRUCTURAL SUPPORTS FOR MECHANICAL EQUIPMENT, PIPEWORK, DUCTWORK AND WIRING.

11. ANCILLARY SUPPORTS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED.

12. FANS SHALL BE INSTALLED ON VIBRATION ISOLATORS.

13. WHERE AN EXHAUST SYSTEM IS SERVING AN AIR CONDITIONED SPACE AND/OR WHERE MOTORISED OUTSIDE AIR INTAKES ARE LOCATED, SELF-CLOSING DAMPERS MUST BE PROVIDED TO CLOSE WHEN SYSTEMS ARE INACTIVATED.

14. ALL EXPOSED DUCTWORK (INCLUDING CLIPS, SCREW HEADS etc) ARE TO BE PAINTED/POWDERCOATED IN COLOURS AS NOMINATED BY THE ARCHITECT.

15. ALL EXPOSED GRILLES, COVER PLATES, CASSETTE COVERS, DIFFUSERS etc ARE TO BE PAINTED/POWDERCOATED IN COLOURS AS NOMINATED BY THE ARCHITECT.

16. ALL ROOF COWLS, ROOF VENTS etc ARE TO BE PAINTED/POWDERCOATED IN COLOURS AS NOMINATED BY THE ARCHITECT, GENERALLY IN THE SAME COLOUR AS THE ADJACENT ROOF SHEETING U.N.O.

17. ALL LOUVRES SHALL BE FITTED WITH VERMIN PROOF WIRE MESH INSIDE.

18. ALL EQUIPMENT SHALL BE TREATED FOR CORROSION RESISTANCE.

19. BALANCE AND COMMISSION ALL SYSTEMS AND SUBMIT BALANCING FIGURES FOR REVIEW.

20. CERTIFICATION OF INSTALLATION SHALL BE SUBMITTED.

21. TWELVE MONTHS ROUTINE WARRANTY AND MAINTENANCE CONTRACT SHALL BE PROVIDED.

22. OPERATING AND MAINTENANCE MANUALS WITH THE COMMISSIONING DATA AND AS-INSTALLED DRAWINGS SHALL BE PREPARED AT THE END OF THE INSTALLATION.

SCHEDULE OF DRAWINGS	
DRAWING No.	DRAWING TITLE
ME-0000	COVER SHEET, LEGEND, SYMBOLS AND SCHEDULE OF DRAWINGS
ME-1000	LOWER GROUND - MECHANICAL LAYOUT
ME-1010	UPPER GROUND - MECHANICAL LAYOUT
ME-1020	ROOF - MECHANICAL LAYOUT
ME-9000	TYPICAL DETAILS
ME-9001	EQUIPMENT SCHEDULES

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ISSUE	DATE	AMENDMENT	DRAFTED BY
P1	30.05.24	PRELIMINARY ISSUE	JH
P2	29.11.24	PRELIMINARY ISSUE	JH
P3	06.12.24	PRELIMINARY ISSUE	JH

XREF LINKS

CLIENT
MUSWELLBROOK SHIRE COUNCIL

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252 COAL ROAD,
MUSWELLBROOK NSW 2333

DRAWING TITLE
MECHANICAL SERVICES
COVER SHEET, LEGEND, SYMBOLS
AND SCHEDULE OF DRAWINGS

NORTH POINT

REVISION

DRAWN JH
DESIGNED TN
CHECKED I-

P3

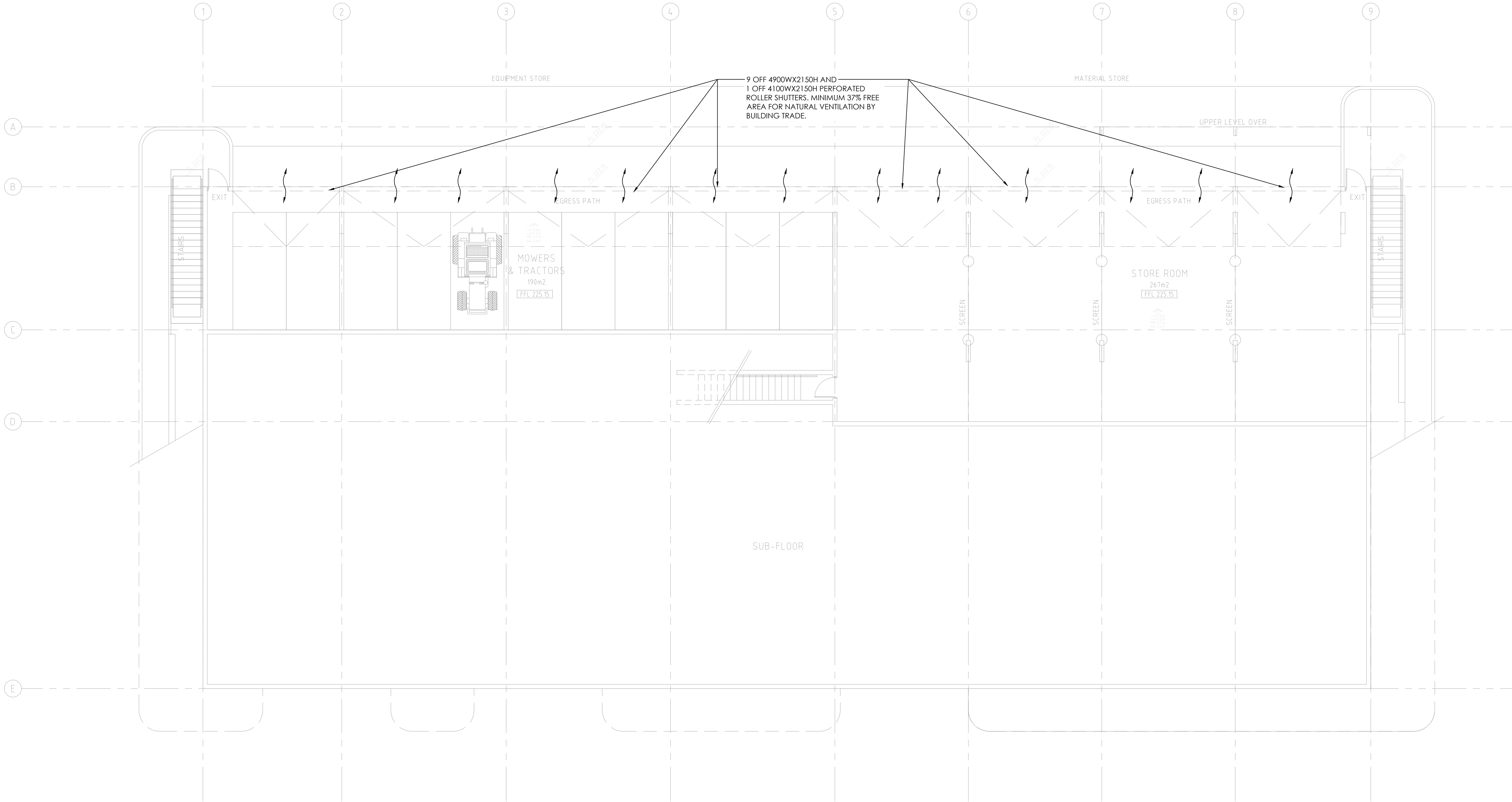
SCALE of ALL
NTS

PROJECT No.

SYD23603

DRAWING No.

ME-0000



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P2	29.11.24	PRELIMINARY ISSUE	JH
P3	06.12.24	PRELIMINARY ISSUE	JH

XREF LINKS

THIS DRAWING HAS BEEN PREPARED IN CONJUNCTION WITH THE FOLLOWING DRAWINGS:

Discipline	Dwg. No.	Date	Revisions
ARCH PLAN	AR101	15.10.24	6
ARCH/BCIP			
STRUCTURAL			
MECHANICAL			
ELECTRICAL			
CIVIL			
LANDSCAPE			

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COMMUNITY
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MUSWELLBROOK NSW 2333

DRAWING TITLE
MECHANICAL SERVICES
LOWER GROUND FLOOR
MECHANICAL LAYOUT

NORTH POINT



DRAWN JH
DESIGNED TN
CHECKED I-

P3

SCALE at A1

1:100

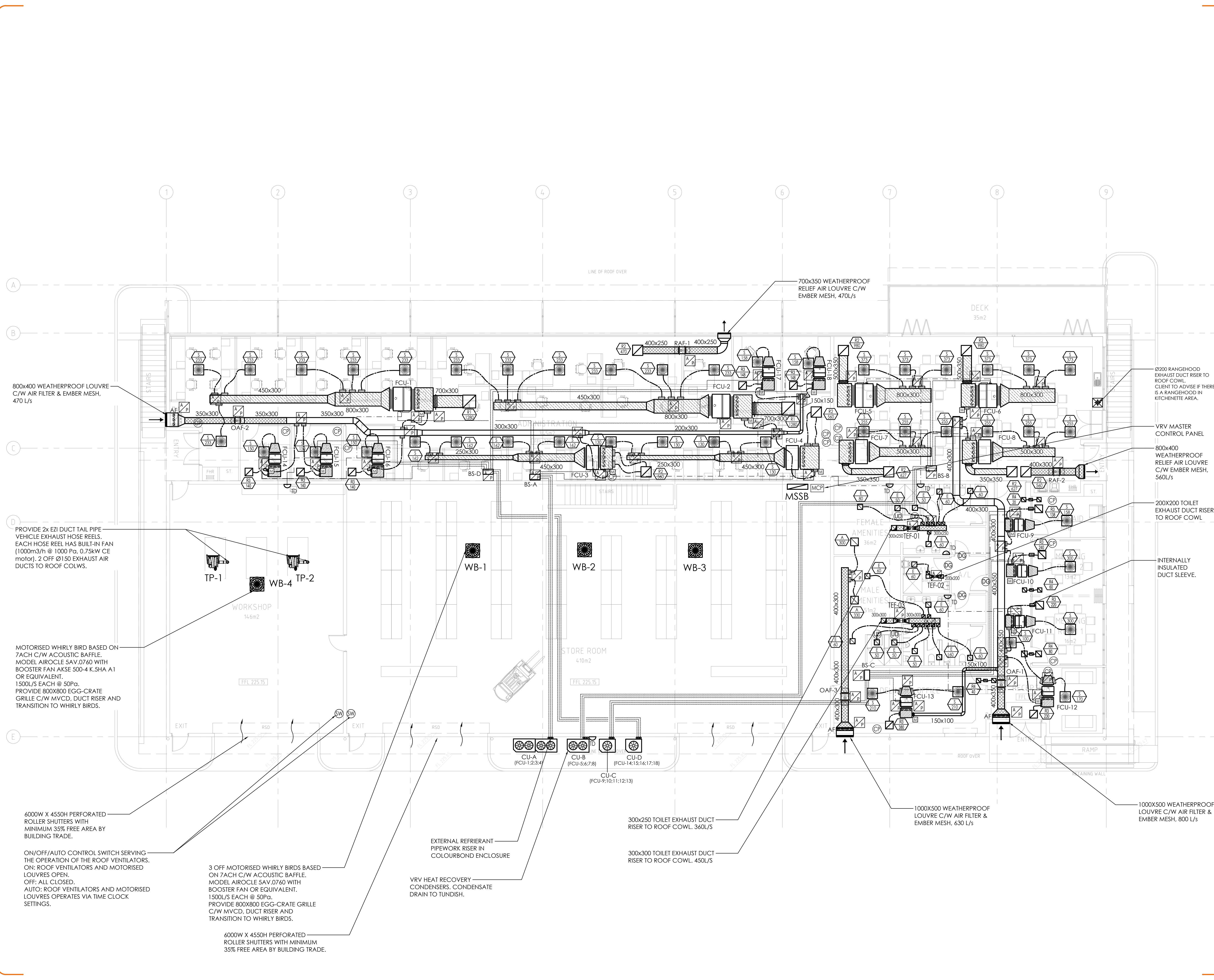
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PROJECT No.

SYD23603

DRAWING No.

ME-1000



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ISSUE	DATE	AMENDMENT	DRAFTED BY
P1	30.05.24	PRELIMINARY ISSUE	JH
P2	29.11.24	PRELIMINARY ISSUE	JH
P3	06.12.24	PRELIMINARY ISSUE	JH

XREF LINKS			
THIS DRAWING HAS BEEN PREPARED IN CONJUNCTION WITH THE FOLLOWING DRAWINGS			
Discipline	Dwg. No.	Date	Revisions
ARCH PLAN	AR100	15.10.24	6
ARCH RCP			
STRUCTURAL			
MECHANICAL			
ELECTRICAL			
CIVIL			
LANDSCAPE			

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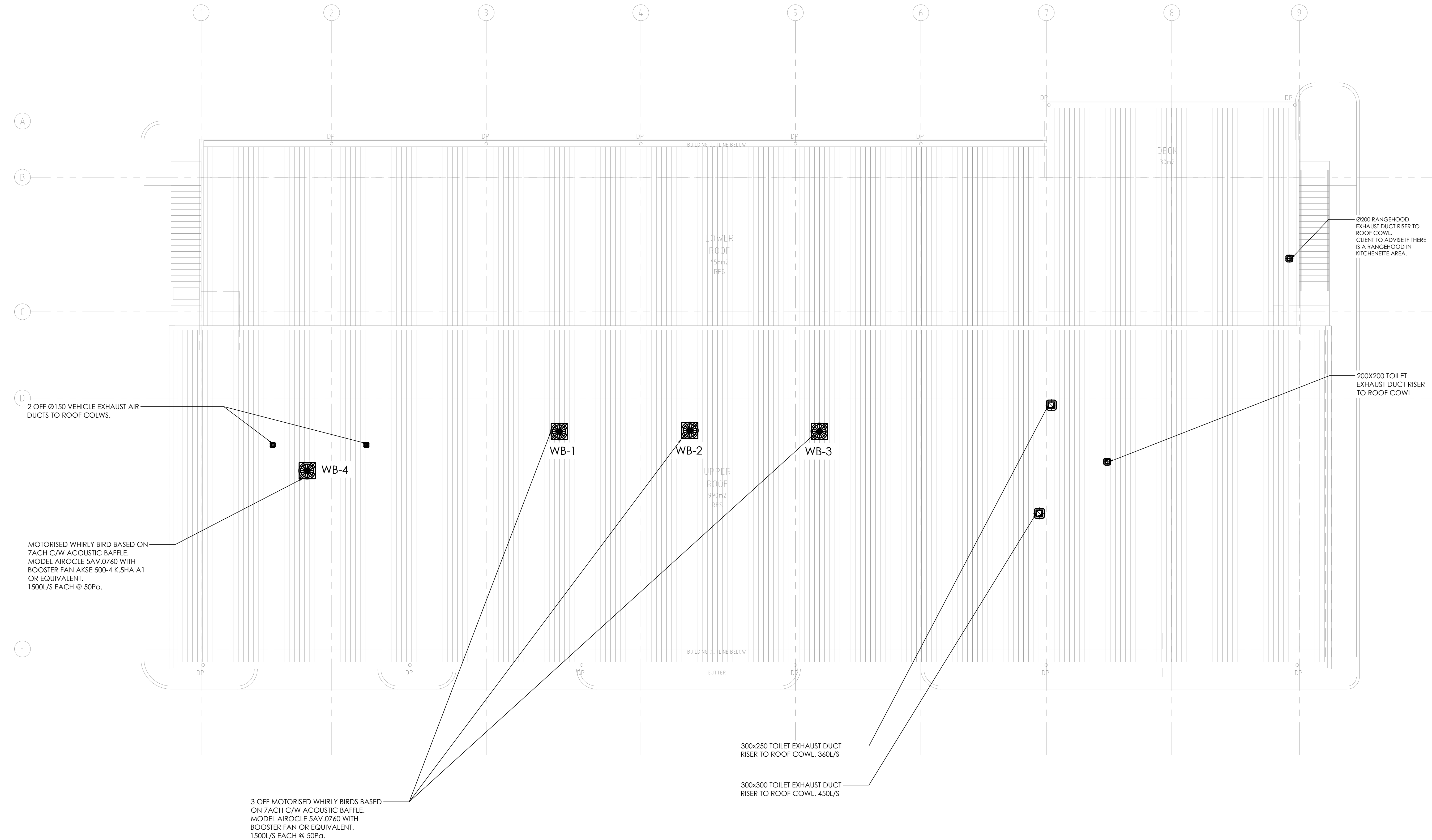
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COMMUNITY INFRASTRUCTURE DEPOT
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DRAWING TITLE
MECHANICAL SERVICES
UPPER GROUND FLOOR
MECHANICAL LAYOUT

NORTH POINT
DRAWN IJH
DESIGNED ITN
CHECKED I-
SCALE 1:100
PROJECT No.
SYD23603
DRAWING No.
ME-1010

REVISION
P2



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P1	30.05.24	PRELIMINARY ISSUE	JH
P2	29.11.24	PRELIMINARY ISSUE	JH
P3	06.12.24	PRELIMINARY ISSUE	JH

XREF LINKS

THIS DRAWING HAS BEEN PREPARED IN CONJUNCTION WITH THE FOLLOWING DRAWINGS

Discipline	Dwg. No.	Date	Revisions
ARCH PLAN	AR102	04.09.24	2
ARCH RCP			
STRUCTURAL			
MECHANICAL			
ELECTRICAL			
CIVIL			
LANDSCAPE			

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PROJECT

**COMMUNITY INFRASTRUCTURE DEPOT
252 COAL ROAD,
MUSWELLBROOK NSW 2333**

DRAWING TITLE

**MECHANICAL SERVICES
ROOF
MECHANICAL LAYOUT**

NORTH POINT



REVISION

DRAWN **IJH**
DESIGNED **ITN**
CHECKED **I-**

P2

SCALE 1:100



PROJECT No.

SYD23603

DRAWING No.

ME-1020

