



- ### LEGEND
- UNINSULATED DUCTWORK. DUCT SIZES ARE SHEET METAL SIZES.
 - G.S.S. DUCTWORK WITH 40mm THICK INTERNAL PERF FOIL FACED INSULATION. (R=1.2)
 - G.S.S. DUCTWORK WITH 40mm THICK EXTERNAL FOIL FACED INSULATION. (R=1.2)
 - G.S.S. DUCTWORK WITH 75mm THICK INTERNAL PERF FOIL FACED INSULATION. (R=2.0)
 - G.S.S. DUCTWORK WITH 75mm THICK EXTERNAL FOIL FACED INSULATION. (R=2.0)
 - G.S.S. DUCTWORK WITH 40mm THICK EXTERNAL FLYRE WRAP & 40mm THICK INTERNAL PERF FOIL FACED INSULATION. (R=1.2)
 - G.S.S. DUCTWORK WITH 100mm THICK INTERNAL PERF FOIL FACED INSULATION. (R=3.0)
 - FLEXIBLE DUCTWORK WITH 38mm THICK INSULATION AND VAPOUR BARRIER. (R=1.0) MAXIMUM DUCTWORK LENGTH: 3 METRES.
 - AIR DIFFUSION SYMBOL. REFER SCHEDULE.
 - HEIGHT OF DUCT ABOVE AFL.
 - DUCT NUMBER.
 - CONTROL STATION MOUNTED AT 1500 AFL.
 - TEMPERATURE SENSOR MOUNTED AT 1500 AFL. CW WITH 10M OF COIL LEFT ON TOP OF VAV. PUSH BUTTON MOUNTED AT 1500 AFL.
 - DRAINED TUNDISH BY OTHER TRADES.
 - 600x600 ACCESS PANEL UNLESS NOTED OTHERWISE.

- ### DUCT CONSTRUCTION NOTES.
1. ALL DUCTWORK SIZES ARE SHEETMETAL SIZES.
 2. ALL RADIUS BENDS AND TRANSITIONS SHALL HAVE THE FOLLOWING MINIMUM STRAIGHTS: BARE AND EXTERNAL INSULATION - 50mm. 50 INTERNAL INSULATION - 50mm. 75 INTERNAL INSULATION - 75mm. 100 INTERNAL INSULATION - 100mm.
 3. ALL THROATS ON SQUARE BENDS SHALL BE 100 LONG UNLESS NOTED OTHERWISE.
 4. DUCT ID LABELS ON TOP OF THE DUCT (NOT TO BE SEEN WHEN INSTALLED).
 5. REFER TO REFLECTED CEILING PLAN FOR SET OUT LOCATIONS OF DIFFUSERS.
 6. EXPOSED DUCTWORK TO BE HUNG WITH 'Z' BRACKET.
 7. SPIRAL DUCTWORK SERVING C/H'S TO BE 200mm LONGER TO ALLOW FOR ON SITE ADJUSTMENTS.

DOOR GRILLE SCHEDULE - DWG ENV-M-L7-201

QTY	TAG	DESCRIPTION	NECK WIDTH	NECK HEIGHT	DOOR THICKNESS
1	DG5	DOOR GRILLE	600	250	TBC

VCD/MSD SCHEDULE - DWG ENV-M-L7-201

TAG	MAKE	MODEL	STYLE	WIDTH	HEIGHT	LENGTH	COMMENTS
MSDL7.01	BULLOCK	6700	BLADE	450	300	165	
MSDL7.02	BULLOCK	6700	BLADE	300	250	165	
MSDL7.03	BULLOCK	6700	BLADE	350	350	165	
MSDL7.04	BULLOCK	6700	BLADE	400	300	165	
MSDL7.05	BULLOCK	6700	BLADE	425	300	165	
VCDL7.01	BULLOCK	6700	BLADE	350	350	165	NON MOTORISED

FIRE DAMPER SCHEDULE - DWG ENV-M-L7-201

TAG	MAKE	MODEL	TYPE	STYLE	WIDTH	HEIGHT	COMMENTS
FDL7.01	BULLOCK	4900	DUCT - DUCT	CURTAIN	450	300	WALL THICKNESS 130
FDL7.02	BULLOCK	4900	DUCT - DUCT	CURTAIN	300	250	WALL THICKNESS 130
FDL7.03	BULLOCK	4900	DUCT - DUCT	CURTAIN	350	350	WALL THICKNESS 115
FDL7.04	BULLOCK	4900	DUCT - DUCT	CURTAIN	725	300	WALL THICKNESS 115

VAV SCHEDULE - DWG ENV-M-L7-201

TAG	MAKE	MODEL	MAX FLOW	MIN FLOW	MAX INTLET VELOCITY	MIN INTLET VELOCITY	HEATING kW	COMMENTS
VV-L7-C3	JOHNSON	TSS-7T-000-00-10-R-30A	410 L/s	164 L/s	8	3	-	
VV-L7-C4	JOHNSON	TSS-7T-000-00-10-R-30A	320 L/s	128 L/s	6	3	-	
VV-L7-C5	JOHNSON	TSS-7T-000-00-12-R-30A	475 L/s	190 L/s	7	3	-	
VV-L7-N1	JOHNSON	TSS-7T-000-E1-12-R-30A	485 L/s	194 L/s	7	3	1.5	
VV-L7-N2	JOHNSON	TSS-7T-000-E1-12-R-30A	485 L/s	194 L/s	7	3	1.5	

LEVEL 7 PART LAYOUT - M - 201

1:50

RADIAL SWIRL DIFFUSER SCHEDULE - DWG...

QTY	TAG	DESCRIPTION	SWIRL NECK DIA	SWIRL FACE DIA
15	SW1	TROX TCS 450	350	475

SUPPLY AIR DIFFUSION SCHEDULE - DWG ENV-M-L7-201

QTY	TAG	DESCRIPTION	CH HEIGHT	NECK LENGTH	NECK WIDTH	SPIGOT SIZE	COMMENTS
1	LB4	2 SLOT LINEAR BOOT ONLY	250	700	100	200	
1	LS4	2 SLOT LINEAR SLOT ONLY		700	96		

EXHAUST AIR DIFFUSION SCHEDULE - DWG ENV-M-L7-201

QTY	TAG	DESCRIPTION	CH HEIGHT	FACE LENGTH	FACE WIDTH	NECK LENGTH	NECK WIDTH	SPIGOT SIZE	COMMENTS
1	TE1	HALF CHEVRON GRILLE	300	245	245	200	200	150	CW WITH OBD
2	TE2	HALF CHEVRON GRILLE	350	295	295	250	250	200	CW WITH OBD

REV	DESCRIPTION	DATE	DRN	CHK
7	AS CONSTRUCTED	8.11.19	IW	PC
6	ISSUED FOR CONSTRUCTION	30.07.19	CO	PC
5	SCHEDULE REVISIONS	19.07.19	CO	PC
4	DUCT AND BOOTS DETAILS ADDED	18.07.19	IW	PC
3	REVISED DUCT SIZES	04.07.19	CO	PC
2	ISSUED FOR CONSTRUCTION	1.07.19	IW	PC
1	ISSUED FOR CONSTRUCTION	21.06.19	CO	PC
A	ISSUED FOR REVIEW	04.06.19	CO	PC

CONTRACTOR:

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TITLE:
125 MURRAY STREET
125 MURRAY STREET, PERTH
LEVEL 7 PART LAYOUT
MECHANICAL SERVICES

DATE	SCALE	DRAWING NO.	REV.
8.11.19	As indicated @		
DRAWN: CO	CHECKED: PC/NB	ENV-M-L7-201	7