



FOR CONTINUATION REFER DRAWING M-L8-200

- ### 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 Fyre 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 EXTERNAL 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.

**LEVEL 8 - LOW LEVEL PART PLAN - M-201**

1:50

**SUPPLY AIR DIFFUSION SCHEDULE - DWG ENV-M-L8-201**

QTY	TAG	DESCRIPTION	CH HEIGHT	NECK LENGTH	NECK WIDTH	SPIGOT SIZE	COMMENTS
1	LB4	2 SLOT LINEAR BOOT ONLY	400	700	100	200	
1	LR5	2 SLOT LINEAR SLOT ONLY		5000	96		RELIEF AIR
1	LS2	2 SLOT LINEAR SLOT ONLY		700	96		

**RETURN AIR DIFFUSION SCHEDULE - DWG ENV-M-L8-201**

QTY	TAG	DESCRIPTION	CH HEIGHT	FACE LENGTH	FACE WIDTH	NECK LENGTH	NECK WIDTH	COMMENTS
2	RA1	LINEAR BAR GRILLE				3000	250	

**EXHAUST AIR DIFFUSION SCHEDULE - DWG ENV-M-L8-201**

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	TE3	HALF CHEVRON GRILLE	350	295	295	250	250	200	CW WITH OBD

**470 Dia FACE SWIRL DIFFUSER SCHEDULE - DWG ENV-M-L8-201**

QTY	Mark	DESCRIPTION	SWIRL NECK DIA	SPIGOT	C/H HEIGHT
4	SW2	KRANTZ - SUPPLY AIR SWIRL DIFFUSER	350	200	350
10	SW3	KRANTZ - SUPPLY AIR SWIRL DIFFUSER	350	250	400
2	SW4	KRANTZ - SUPPLY AIR SWIRL DIFFUSER	350	300	450

**VAV SCHEDULE - DWG ENV-M-L8-201**

TAG	MAKE	MODEL	MAX FLOW	MIN FLOW	MAX INTLET VELOCITY	MIN INTLET VELOCITY	HEATING kW	COMMENTS
VV-L8-L4	JOHNSON	TSS-TT-000-00-10-R-30A	340 L/s	136 L/s	6.9	2.7		
VV-L8-L5	JOHNSON	TSS-TT-000-00-12-R-30A	490 L/s	196 L/s	6.9	2.8		
VV-L8-N1	JOHNSON	TSS-TT-000-E1-10-R-30A	430 L/s	172 L/s	8.7	3.5	1.5	
VV-L8-N2	JOHNSON	TSS-TT-000-E1-10-R-30A	380 L/s	152 L/s	7.7	3.1	1.5	

**DOOR GRILLE SCHEDULE - DWG ENV-M-L8-201**

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

2	AS CONSTRUCTED	8.11.19	IW	PC
1	ISSUED FOR CONSTRUCTION	13.09.19	CO	PC
A	ISSUED FOR REVIEW	17.07.19	CO	PC

CONTRACTOR:

**ENVAR**  
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TITLE:  
**125 MURRAY STREET  
125 MURRAY STREET, PERTH  
LEVEL 8 LOW LEVEL PART LAYOUT  
MECHANICAL SERVICES**

DATE:	SCALE:	DRAWING NO:	REV:
8.11.19	AS NOTED @ A1		
DRAWN:	CHECKED:	ENV-M-L8-201	2
CO	PC		