

AIR INTAKE AND EXHAUST TO BE INSULATED USING MINIMUM 50mm DIFFUSION RESISTANT INSULATION WITH THERMAL CONDUCTIVITY 0.033W/mK OR BELOW

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VENTILATION DUCT RISES TA WITH FIRE COLLAR

PA-00-04	BASIC 97 (m <sup>3</sup> /h)		
	EXTRACT	STANDARD (m <sup>3</sup> /h)	MAXIMUM (m <sup>3</sup> /h)
KITCHEN	65	85	
BATHROOM	35	45	
UTILITY STORE	15	20	
WC	23	30	
TOTAL	138	180	
SUPPLY			
LIVING / DINING ROOM	37	48	
BEDROOM 00-04-09	32	42	
BEDROOM 00-04-10	32	42	
BEDROOM 00-04-12	20	26	
BEDROOM 00-04-13	17	22	
TOTAL	138	180	

PA-00-05	BASIC 97 (m <sup>3</sup> /h)		
	EXTRACT	STANDARD (m <sup>3</sup> /h)	MAXIMUM (m <sup>3</sup> /h)
KITCHEN	65	85	
BATHROOM	35	45	
UTILITY STORE	15	20	
WC	23	30	
TOTAL	138	180	
SUPPLY			
LIVING / DINING ROOM	42	56	
BEDROOM 00-05-09	17	22	
BEDROOM 00-05-10	31	40	
BEDROOM 00-05-12	31	40	
BEDROOM 00-05-13	17	22	
TOTAL	138	180	

PA-00-06	BASIC 81 (m <sup>3</sup> /h)		
	EXTRACT	STANDARD (m <sup>3</sup> /h)	MAXIMUM (m <sup>3</sup> /h)
KITCHEN	50	65	
BATHROOM	31	40	
UTILITY STORE	15	20	
WC	19	25	
TOTAL	115	150	
SUPPLY			
LIVING / DINING ROOM	35	46	
BEDROOM 00-06-09	31	40	
BEDROOM 00-06-10	18	24	
BEDROOM 00-06-11	31	40	
TOTAL	115	150	

PA-00-07	BASIC 97 (m <sup>3</sup> /h)		
	EXTRACT	STANDARD (m <sup>3</sup> /h)	MAXIMUM (m <sup>3</sup> /h)
KITCHEN	65	85	
BATHROOM	35	45	
UTILITY STORE	15	20	
WC	23	30	
TOTAL	138	180	
SUPPLY			
LIVING / DINING ROOM	42	56	
BEDROOM 00-07-09	17	22	
BEDROOM 00-07-10	31	40	
BEDROOM 00-07-12	31	40	
BEDROOM 00-07-13	17	22	
TOTAL	138	180	

PA-00-08	BASIC 97 (m <sup>3</sup> /h)		
	EXTRACT	STANDARD (m <sup>3</sup> /h)	MAXIMUM (m <sup>3</sup> /h)
KITCHEN	65	85	
BATHROOM	35	45	
UTILITY STORE	15	20	
WC	23	30	
TOTAL	138	180	
SUPPLY			
LIVING / DINING ROOM	42	56	
BEDROOM 00-08-09	17	22	
BEDROOM 00-08-10	31	40	
BEDROOM 00-08-12	31	40	
BEDROOM 00-08-13	17	22	
TOTAL	138	180	

**NOTES:**

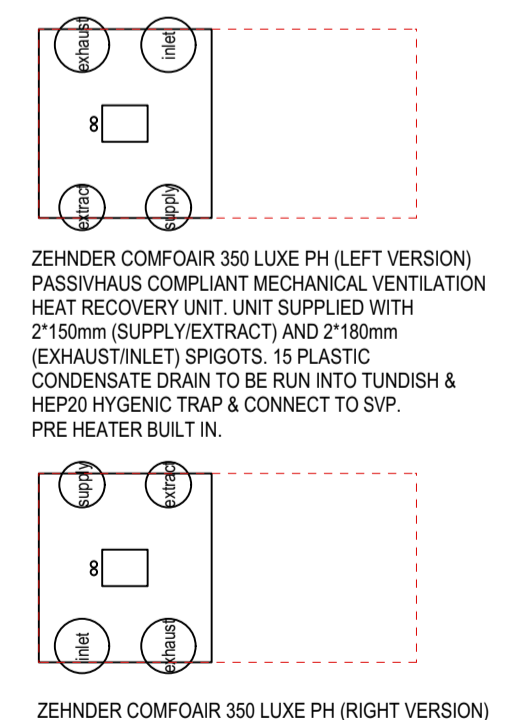
- ACCESS POINTS ON ALL SOIL AND WASTE PIPES TO BE PROVIDED AT ALL CHANGES OF DIRECTION. ALL SOIL AND WASTE CLEANING ACCESS POINTS ARE TO BE MADE PERMANENTLY ACCESSIBLE IN EVENT OF BLOCKAGES. ACCESS POINTS TO BE PROVIDED AT 1200mm ABOVE FFL ON ALL SVP'S AT EVERY FLOOR.
- ALL SOIL AND WASTE PIPES ARE TO BE INSTALLED TO CONTINUOUS AND UNIFORM GRADIENT COMPLYING WITH BUILDING REGULATIONS PART H DRAINAGE AND WASTE DISPOSAL TABLE 3.
 

	MIN	MAX
110 SOIL PIPEWORK	18mm/m	90mm/m
40-54 WASTE PIPES	18mm/m	90mm/m
32 WASTE PIPES	20mm/m	50mm/m
KITCHEN WASTE		ACHIEVE MAXIMUM GRADIENT
- ALL INTERNAL SOIL STACKS TO BE NOISE INSULATED WITH DENSE MINERAL WOOL.
- ALL TRAPS (OTHER THAN TO WCS) TO BE 75mm DEEP SEAL 'P' TRAPS
- ALL SOIL AND VENT PIPES PASSING THROUGH THE FLOORS TO BE PROVIDED WITH A PROPRIETARY FIRE COLLAR.
- 500 mm WASHING MACHINE STANDPIPE. HOT & COLD WATER SUPPLIES SHALL BE LOCATED IN ADJACENT SPACE. NOT BEHIND WASHING MACHINE. WITH SEPARATE WASTE CONNECTION TO STACK & CUT-OUTS IN ADJACENT UNITS FOR ACCESS. WASHING MACHINE VALVES (BLUE HANDLES) AND HOSE CONNECTORS TO BE PROVIDED.
- 500 mm DISHWASHER STANDPIPE. HOT & COLD WATER SUPPLIES SHALL BE LOCATED IN ADJACENT SPACE. NOT BEHIND DISHWASHER. WITH SEPARATE WASTE CONNECTION TO STACK & CUT-OUTS IN ADJACENT UNITS FOR ACCESS. DISHWASHER VALVES (BLUE HANDLES) AND HOSE CONNECTORS TO BE PROVIDED.
- ALL OFFSETS IN ANY SVP STACK SHALL BE WITH LONG RADIUS BENDS - 200mm CENTRE LINE RADIUS.
- WASTE PIPE SIZES SHALL BE AS FOLLOWS:
 

LENGTH	3m MAX.	4m MAX.
KITCHEN SINK	40mm	50mm
WASHING MACHINE	40mm	50mm
DISHWASHER	40mm	50mm
SHOWER	40mm	50mm
VHB	40mm	50mm
MVHR & HJU	32mm	32mm
WC	100mm (6m MAX.)	

**LEGEND:**

- FB FROM BELOW
- FA FROM ABOVE
- TB TO BELOW
- LL LOW LEVEL
- HL HIGH LEVEL
- SVP SOIL VENT PIPE
- SS STUB STACK
- FG FLOOR GULLY
- RWP RAIN WATER PIPE
- AAV AUTOMATIC AIR ADMITTANCE VALVE
- RWO RAIN WATER OUTLET
- SPIRAL WOUND GALVANIZED STEEL LINDAB SR CIRCULAR DUCT
- LINDAB CROSS-TALK ATTENUATOR (600mm LENGTH)
- LINDAB SUPPLY VALVE CEILING MOUNTED
- LINDAB EXTRACT VALVE CEILING MOUNTED
- LINDAB EXTRACT VALVE WALL MOUNTED
- FD LINDAB FIRE DAMPER
- VENTILATION LINEAR DIFFUSER TERMINALS LOCATION IN SOFFIT. MINIMUM FREE AREA REQUIRED 0.026 m<sup>2</sup>



Job Name: **Agar Grove Block A**

Title: **Ground Floor: Ventilation & Drainage Services Layout (Sheet 2 of 2)**

Scale: 1:50 @ A1	Date: Aug 15	Checked: M. R.	Drawn by: F. W.	Approved: M. R.
Dwg. No: <b>RA5494/5702</b>				Revision: <b>C</b>

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Revision	Author	Amendment Details	Date	By
C	SVP01, SVP02&05, SVP14 AND SVP15 RELOCATED AS DESIGN TEAM COMMENTS		30/10/15	A.F.
B	WASHING MACHINE DRAIN CONNECTED TO SS05.		26/10/15	A.F.
A	VENTILATION LAYOUT REVISED. DRAINAGE LAYOUT INCORPORATED.		20/10/15	A.F.