

TYPICAL DETAILS FOR FINAL DUCT CONNECTION

NOTES

- CONDITIONS FOR SECOND CHOICE INSTALLATION METHOD:
1. INSTALLED AT FURTHEST RETURN OUTLET POINT.
2. INSTALLED AT THE LOCATION WHERE THE ALLOWABLE INSTALLATION SPACE IS LIMITED.

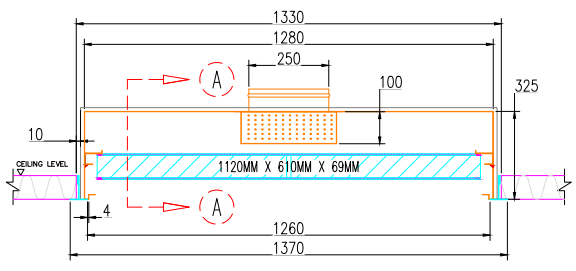
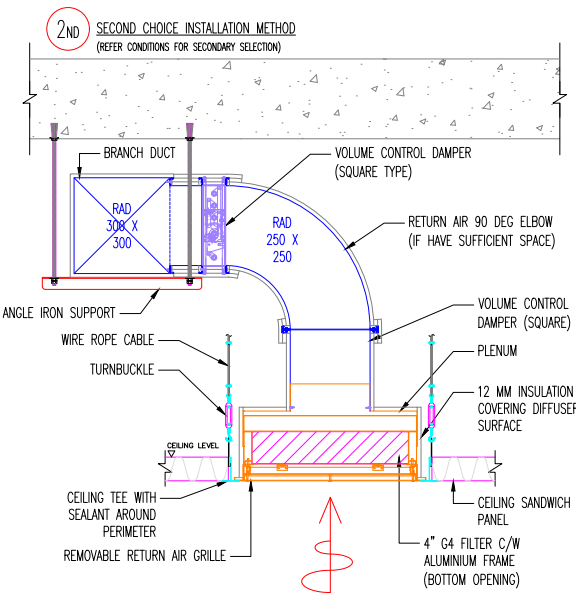
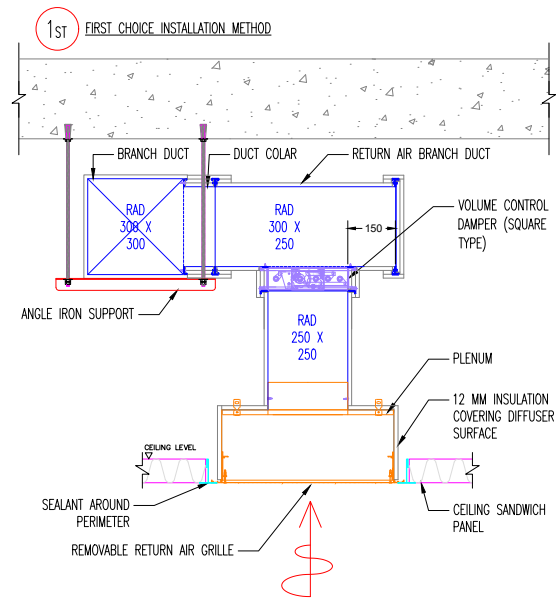
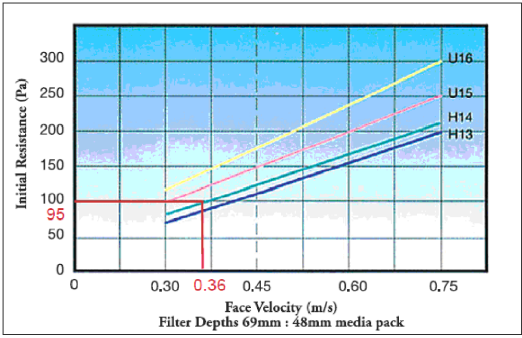
- NOTE 1: TAPE INNER LAYER OF FLEXIBLE DUCT AROUND DUCT COLAR WITH CLEAR TAPE. THEN, APPLY ADHESIVE AND TAPE OUTER LAYER OF FLEXIBLE DUCT WITH ALUMINIUM TAPE.
NOTE 2: TAPE WITH CLEAR TAPE AT THE INNER LAYER OF FLEXIBLE DUCT AND CLIP WITH METAL CLAMP. THEN, APPLY ADHESIVE AND TAPE OUTER LAYER OF FLEXIBLE DUCT WITH ALUMINIUM TAPE.
NOTE 3: HEPA FILTER MUST BE INSTALLED CAREFULLY AND HANDLE WITH CARE. TIGHTEN THE SCREW WITH ADEQUATE STRENGTH AND MUST NOT TIGHTEN IT FORCEFULLY. ENSURE THE GASKET HAS COVERED ALL THE GAP BETWEEN HEPA FILTER AND THE FRAME SURFACE. ENSURE THE GASKET IS NOT TORN.

FLEXIBLE DUCT SCHEDULE			
AIR FLOW (CFM)	FLEXIBLE DUCT SIZE (MM)	DAMPER SPIGOT SIZE (MM)	SAG SPIGOT SIZE (MM)
UP TO 200	200	197	198
201 TO 400	250	247	248
401 TO 700	300	297	298

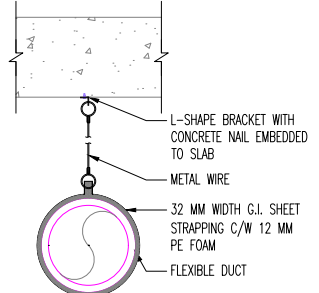
H14 HEPA FILTER (AMF ASTROCEL II)				
SIZE (MM)	AIR FLOW (CFM)	INITIAL LIMIT (GREEN)	ALERT LIMIT (YELLOW)	ACTION LIMIT (RED)
E.G.:305 X 305	70	95 PA @ 0.36 M/S	171 PA	190 PA
305 X 305	UP TO 88	125 PA @ 0.45 M/S	REDUCE 10% FROM THE ACTION LIMIT	INITIAL LIMIT X 2
305 X 610	89 TO 177			
610 X 610	178 TO 353			
1120 X 610	354 TO 707			

- NOTE 1: THE DEPTH SIZE FOR THE HEPA FILTER IS FIXED TO 69 MM.
NOTE 2: MAXIMUM AIR FLOW VELOCITY FOR EACH SIZE OF HEPA FILTER IS FIXED TO 0.45 M/S.

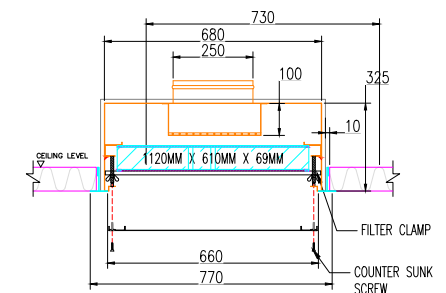
Initial Resistance vs Face Velocity



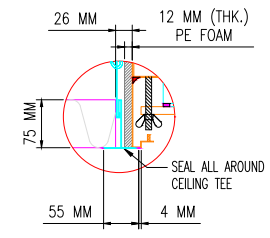
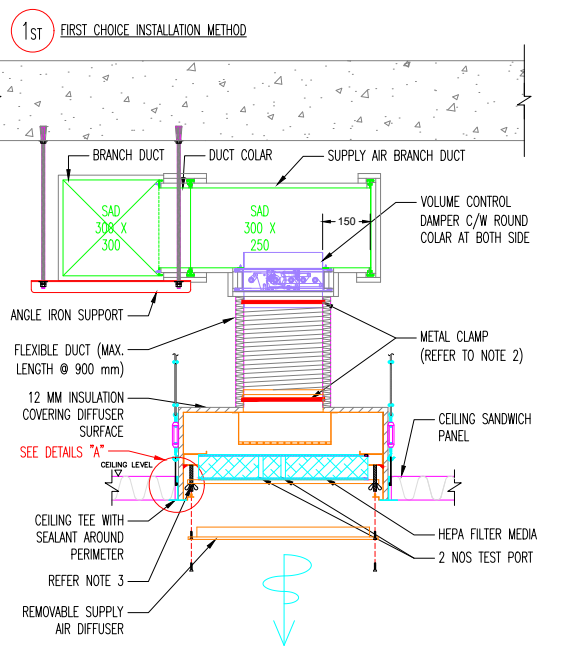
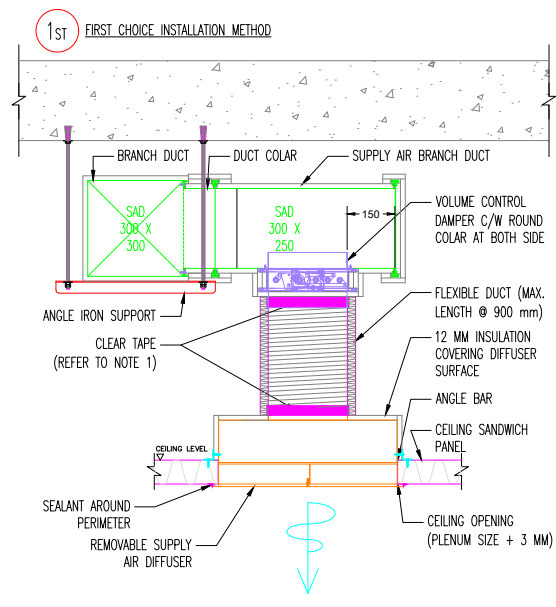
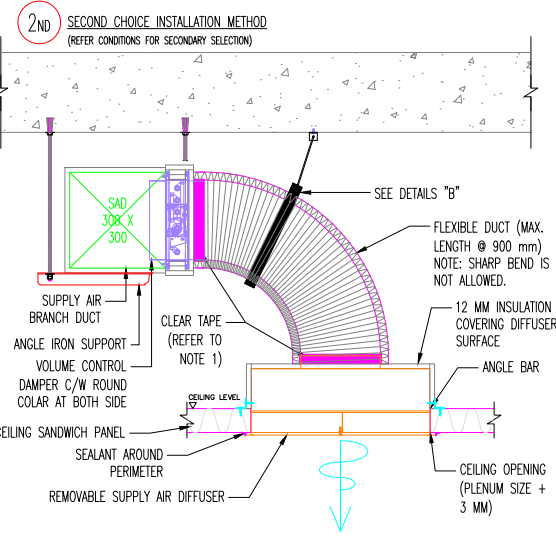
TERMINAL HEPA FILTER INSTALLATION



DETAILS "B"



SECTION A-A



DETAILS "A"