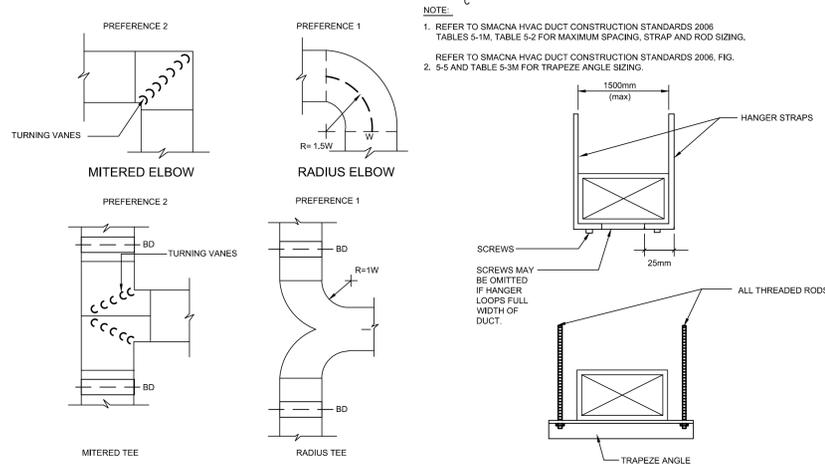


**VENTILATION HOOD DETAIL**  
N.T.S.

03  
M8

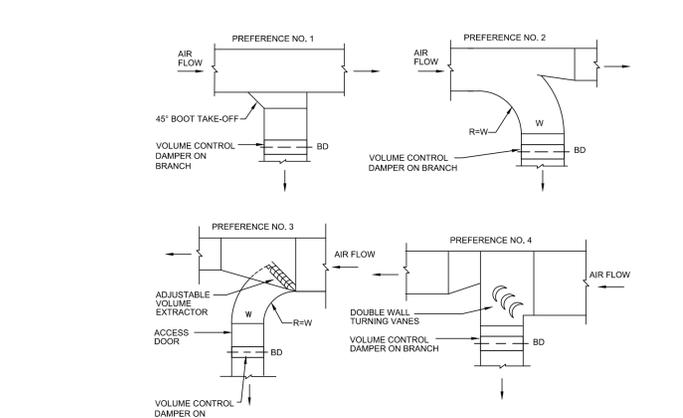
**NOTE:**  
1. FOR DUCT SIZES REFER TO VENTILATION FLOOR PLANS.



**STANDARD DUCT FITTINGS & RECTANGULAR DUCT HANGER DETAILS**  
N.T.S.

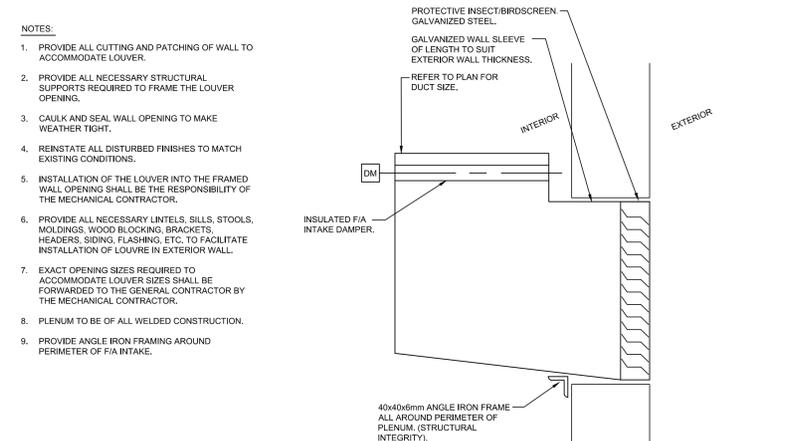
02  
M8

**NOTE:**  
1. REFER TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS 2006 TABLES 5-1M, TABLE 5-2 FOR MAXIMUM SPACING, STRAP AND ROD SIZING.  
2. 5-5 AND TABLE 5-3M FOR TRAPEZE ANGLE SIZING.



**TYPICAL TAKE-OFFS FOR LOW VELOCITY SUPPLY DUCTS**  
N.T.S.

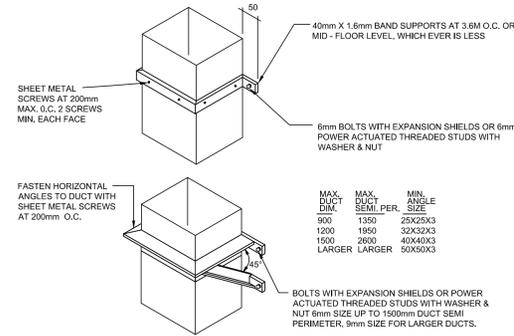
01  
M8



**LOUVER DETAIL LV-1, LV-2, LV-3 AND LV-4**  
N.T.S.

06  
M8

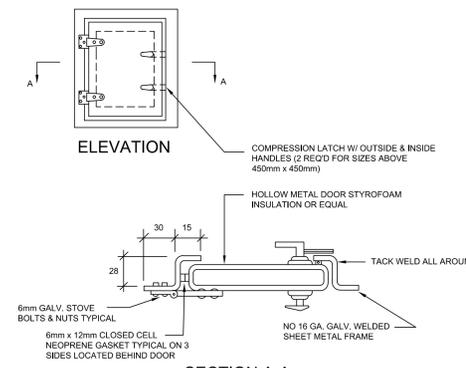
**NOTES:**  
1. PROVIDE ALL CUTTING AND PATCHING OF WALL TO ACCOMMODATE LOUVER.  
2. PROVIDE ALL NECESSARY STRUCTURAL SUPPORTS REQUIRED TO FRAME THE LOUVER OPENING.  
3. CAULK AND SEAL WALL OPENING TO MAKE WEATHER TIGHT.  
4. REINSTATE ALL DISTURBED FINISHES TO MATCH EXISTING CONDITIONS.  
5. INSTALLATION OF THE LOUVER INTO THE FRAMED WALL OPENING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.  
6. PROVIDE ALL NECESSARY LINTELS, SILLS, STOOLS, MOLDINGS, WOOD BLOCKING, BRACKETS, HEADERS, SIDING, FLASHING, ETC. TO FACILITATE INSTALLATION OF LOUVER IN EXTERIOR WALL.  
7. EXACT OPENING SIZES REQUIRED TO ACCOMMODATE LOUVER SIZES SHALL BE FORWARDED TO THE GENERAL CONTRACTOR BY THE MECHANICAL CONTRACTOR.  
8. PLENUM TO BE OF ALL WELDED CONSTRUCTION.  
9. PROVIDE ANGLE IRON FRAMING AROUND PERIMETER OF FIA INTAKE.



**SUPPORTS FOR VERTICAL DUCTS AT WALLS**  
N.T.S.

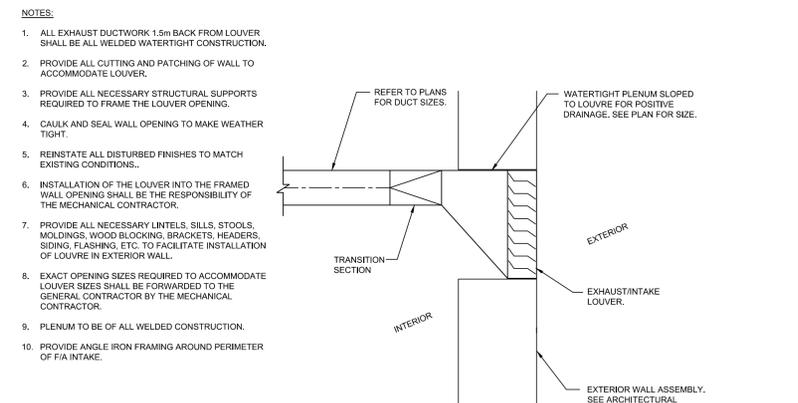
05  
M8

**NOTES:**  
1. FASTEN HANDLES SECURELY TO SHAFTS TO ENSURE CONTINUOUS TIGHT CLOSURE AND SEATING AGAINST GASKETS.  
2. PROVIDE TIGHT FITTING LATCH SHAFT COLLARS. GASKETED AIR TIGHT AND SECURED WITH NOT LESS THAN 2 SCREWS EACH SIDE.



**DUCT ACCESS DOOR DETAIL**  
N.T.S.

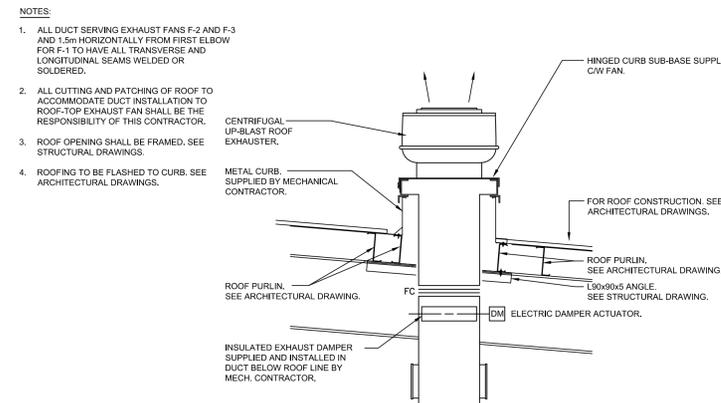
04  
M8



**EXHAUST/INTAKE LOUVER DETAIL**  
N.T.S.

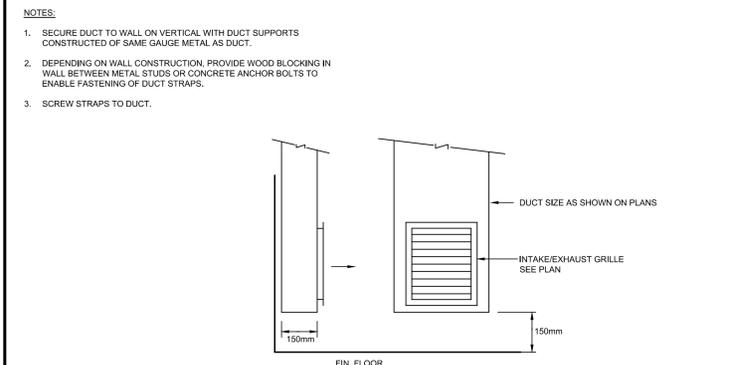
09  
M8

**NOTES:**  
1. ALL EXHAUST DUCTWORK 1.5m BACK FROM LOUVER SHALL BE ALL WELDED WATERTIGHT CONSTRUCTION.  
2. PROVIDE ALL CUTTING AND PATCHING OF WALL TO ACCOMMODATE LOUVER.  
3. PROVIDE ALL NECESSARY STRUCTURAL SUPPORTS REQUIRED TO FRAME THE LOUVER OPENING.  
4. CAULK AND SEAL WALL OPENING TO MAKE WEATHER TIGHT.  
5. REINSTATE ALL DISTURBED FINISHES TO MATCH EXISTING CONDITIONS.  
6. INSTALLATION OF THE LOUVER INTO THE FRAMED WALL OPENING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.  
7. PROVIDE ALL NECESSARY LINTELS, SILLS, STOOLS, MOLDINGS, WOOD BLOCKING, BRACKETS, HEADERS, SIDING, FLASHING, ETC. TO FACILITATE INSTALLATION OF LOUVER IN EXTERIOR WALL.  
8. EXACT OPENING SIZES REQUIRED TO ACCOMMODATE LOUVER SIZES SHALL BE FORWARDED TO THE GENERAL CONTRACTOR BY THE MECHANICAL CONTRACTOR.  
9. PLENUM TO BE OF ALL WELDED CONSTRUCTION.  
10. PROVIDE ANGLE IRON FRAMING AROUND PERIMETER OF FIA INTAKE.



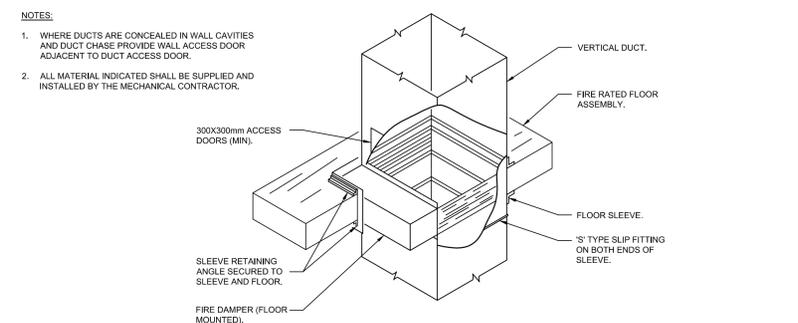
**ROOF MOUNTED EXHAUST FAN F-2 AND F-3 CURB DETAIL**  
N.T.S.

08  
M8



**LOW INTAKE/EXHAUST**  
N.T.S.

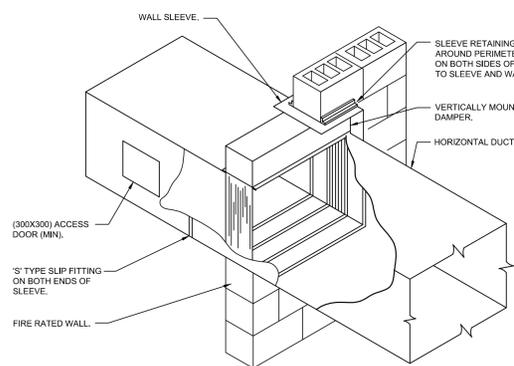
07  
M8



**FLOOR MOUNTED RECTANGULAR DUCT FIRE DAMPER DETAIL**  
N.T.S.

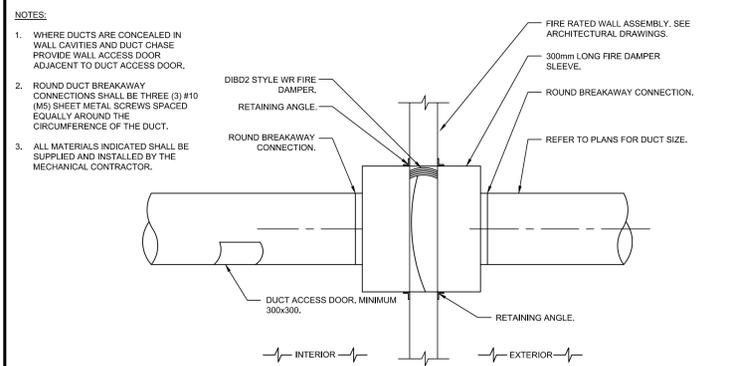
12  
M8

**NOTES:**  
1. WHERE DUCTS ARE CONCEALED IN WALL CAVITIES AND DUCT CHASE PROVIDE WALL ACCESS DOOR ADJACENT TO DUCT ACCESS DOOR.  
2. ALL MATERIAL INDICATED SHALL BE SUPPLIED AND INSTALLED BY THE MECHANICAL CONTRACTOR.



**WALL MOUNTED RECTANGULAR DUCT FIRE DAMPER DETAIL (MASONRY WALL)**  
N.T.S.

11  
M8



**WALL MOUNTED ROUND DUCT FIRE DAMPER DETAIL**  
N.T.S.

10  
M8

**NOTES:**  
1. WHERE DUCTS ARE CONCEALED IN WALL CAVITIES AND DUCT CHASE PROVIDE WALL ACCESS DOOR ADJACENT TO DUCT ACCESS DOOR.  
2. ROUND DUCT BREAKAWAY CONNECTIONS SHALL BE THREE (3) #10 (M5) SHEET METAL SCREWS SPACED EQUALLY AROUND THE CIRCUMFERENCE OF THE DUCT.  
3. ALL MATERIALS INDICATED SHALL BE SUPPLIED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

CO3	ISSUED FOR TENDER	08/30/2019
CO2	RE-ISSUED FOR TENDER	02/14/2019
CO1	ISSUED FOR TENDER	09/28/2018
revisions		date

**MAINTENANCE GARAGE REHABILITATION ST. ANTHONY AIRPORT**

**VENTILATION DETAILS**

designed D.M.	conçu
date 2016.11.22	
drawn D.B.	dessiné
date 2016.11.22	
approved K.S.	approuvé
date 2016.11.22	
Tender	Submission
PWSC Project Manager	Administrateur de projets TPSC
project number	no. du projet
<b>R.077269.001</b>	
drawing no.	no. du dessin
<b>M8</b>	