



**GENERAL NOTES**

- EXISTING ACTIVE VENTILATION EQUIPMENT SHOWN TO BE DEMO'D ON DEMO PLANS SHOWN FOR COORDINATE ON NEW CONSTRUCTION PLANS DUE TO WORK SEQUENCE.
- REFER TO SCOPE OF WORK DESCRIPTION IN FRONT END SPECIFICATIONS FOR SEQUENCING.
- ALL ABANDONED EQUIPMENT AND SERVICES WITHIN AREA OF WORK SHALL BE REMOVED.
- THIS BUILDING MAY CONTAIN ASBESTOS. REFER TO FRONT END SPECIFICATIONS FOR FURTHER INFORMATION.

**KEYNOTES**

- EXISTING EMA-1, MA-1, MA-2, EMA-2, MUA-05, MUA-06, AND EF-26 AND ASSOCIATED SYSTEMS TO BE DEMOLISHED SHOWN FOR INFORMATION. DEMOLITION SHALL OCCUR AFTER SUBSTANTIAL PERFORMANCE.
- HRU AND MUA TO BE MOUNTED ON STRUCTURAL STAND. REFER TO STRUCTURAL.
- MUA AND EF ON ROOF AS PER STRUCTURAL DETAILS.
- RUN SUPPLY AIR AND EXHAUST AIR DUCTWORK ON ROOF AND DROP DOWN INTO SPACE (TYPICAL).
- DUCTWORK BETWEEN GRID LINES N/P AND W/X SHALL BE INSTALLED ABOVE THE ROOF AND BELOW NEW STEEL PLATFORM. MODIFY ASPECT RATIO OF DUCT AS REQUIRED. (TYPICAL)
- SEAL SHUT FLAP ON SOUTH SIDE OF CYCLONE DOGHOUSES.
- EXHAUST OPENING C/W WIRE MESH 18 INCHES ABOVE FLOOR LEVEL. (BOTTOM OF OPENING SHALL BE NOT LESS THAN 18" ABOVE FLOOR LEVEL AS PER NFPA 30A) LOCATE DUCT DROP BETWEEN PARKING STALLS. REFER TO 2/M6.1 FOR DETAIL.
- EXHAUST OPENING C/W WIRE MESH AT HIGH LEVEL. REFER TO 2/M6.1 FOR DETAIL.
- SUPPLY AIR GRILLE AT HIGH LEVEL.
- RUN DUCTWORK THROUGH OPEN WEB JOISTS AS MUCH AS POSSIBLE TO MAXIMIZE CLEAR HEIGHT. DROP DUCTWORK BELOW JOIST (TIGHT TO UNDERSIDE) WHERE REQUIRED TO AVOID EXISTING INTERFERENCES. LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, THE INSTANCES NOTED ON THE DRAWINGS. ALLOW IN BID. FOR FIELD FABRICATION OF ALL DUCTWORK WITHIN B-SECTION. MODIFY EXISTING HANGERS AS REQUIRED.
- EXHAUST RAIL SUSPENDED ABOVE BUS TAIL PIPE. REFER TO DETAILS ON M6.1.
- EXHAUST AIR OPENING C/W WIRE MESH AT HIGH LEVEL.
- DROP DUCTWORK DOWN BELOW JOIST (TIGHT TO UNDERSIDE) TO AVOID EXISTING INTERFERENCES.
- INSTALL DUCTWORK BELOW EXISTING FANS/DUCTWORK.
- EXHAUST AIR OPENING SHOWN ON LOW LEVEL PLAN FOR INFORMATION REFER TO 2/M4.1.
- CUSTOM SUPPLY AIR PLENUM WITH DOUBLE DEFLECTION SUPPLY GRILLES IN THE FACE AS NOTED WITH AIRFLOW DIRECTIONAL ARROWS. REFER TO 1/M6.1.
- BOILER VENTING UP THROUGH ROOF. DETERMINE FINAL ROUTING ON SITE TO AVOID EXISTING GAS PIPING.
- VENTILATION AIR DUCT IN ACCORDANCE WITH MANITOBA GAS NOTICES.
- COMBUSTION AIR DUCT IN ACCORDANCE WITH MANITOBA GAS NOTICES.
- DUCT TO PASS THROUGH EXISTING GLASS ABOVE DOOR WAY. CONTRACTOR TO REMOVE AND REPLACE GLASS TO SUIT.
- BALANCE EXISTING TRANSFER FAN, F-2 TO 43,040 CFM.
- BOLLARDS. REFER TO STRUCTURAL DETAIL.
- HOUSEKEEPING PAD (REFER TO STRUCTURAL DETAIL).
- SUPPORT PLENUMS FROM WALL.

6		
5		
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3		
2		
1		
0	ISSUED FOR CONSTRUCTION	JH 27/10/15
NO.	Description	BY DD/MM/YY

**APGM**  
Certificate of Authorization  
SMB Engineering Ltd.  
No. 166 Expiry: April 30, 2016

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**Winnipeg Transit**

Project Title  
**CITY OF WINNIPEG FORT ROUGE TRANSIT BASE - SERVICE BAY AND B-SECTION VENTILATION UPGRADE**

Winnipeg MANITOBA

Drawing Title  
**MAIN FLOOR AND ROOF PLAN - NEW CONSTRUCTION - VENTILATION**

Drawn By GB/IE	Checked By JH	Approved By JH
Scale AS SHOWN	Date JULY 2014	Project No. 14-194-01
Revision Number	Drawing Number	Sheet Order
<b>0</b>	<b>M4.1</b>	7 OF 11

1 MAIN FLOOR PLAN - LOW LEVEL - NEW CONSTRUCTION - VENTILATION  
SCALE: 1/16" = 1'-0"

2 MAIN FLOOR PLAN - HIGH LEVEL - NEW CONSTRUCTION - VENTILATION  
SCALE: 1/16" = 1'-0"

3 ROOF PLAN - NEW CONSTRUCTION - VENTILATION  
SCALE: 1/16" = 1'-0"