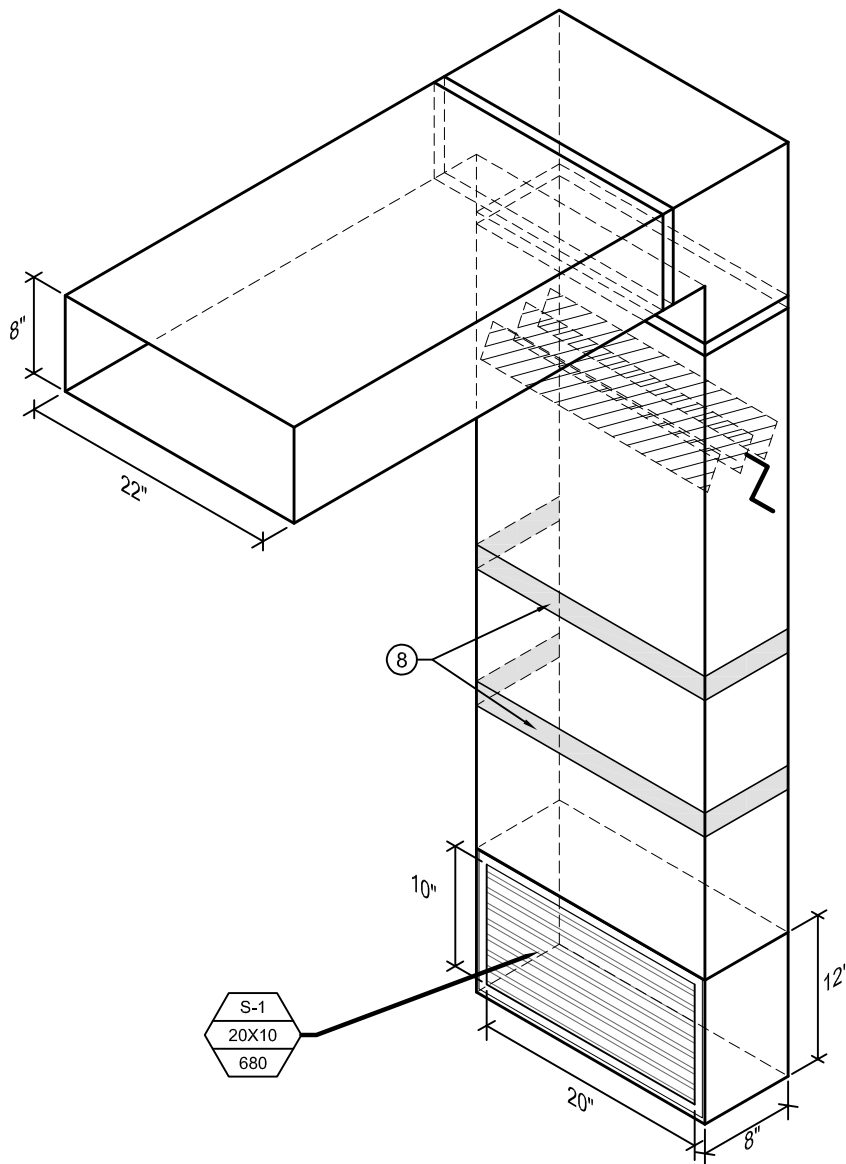


1 MAIN FLOOR PLAN - NEW CONSTRUCTION - VENTILATION

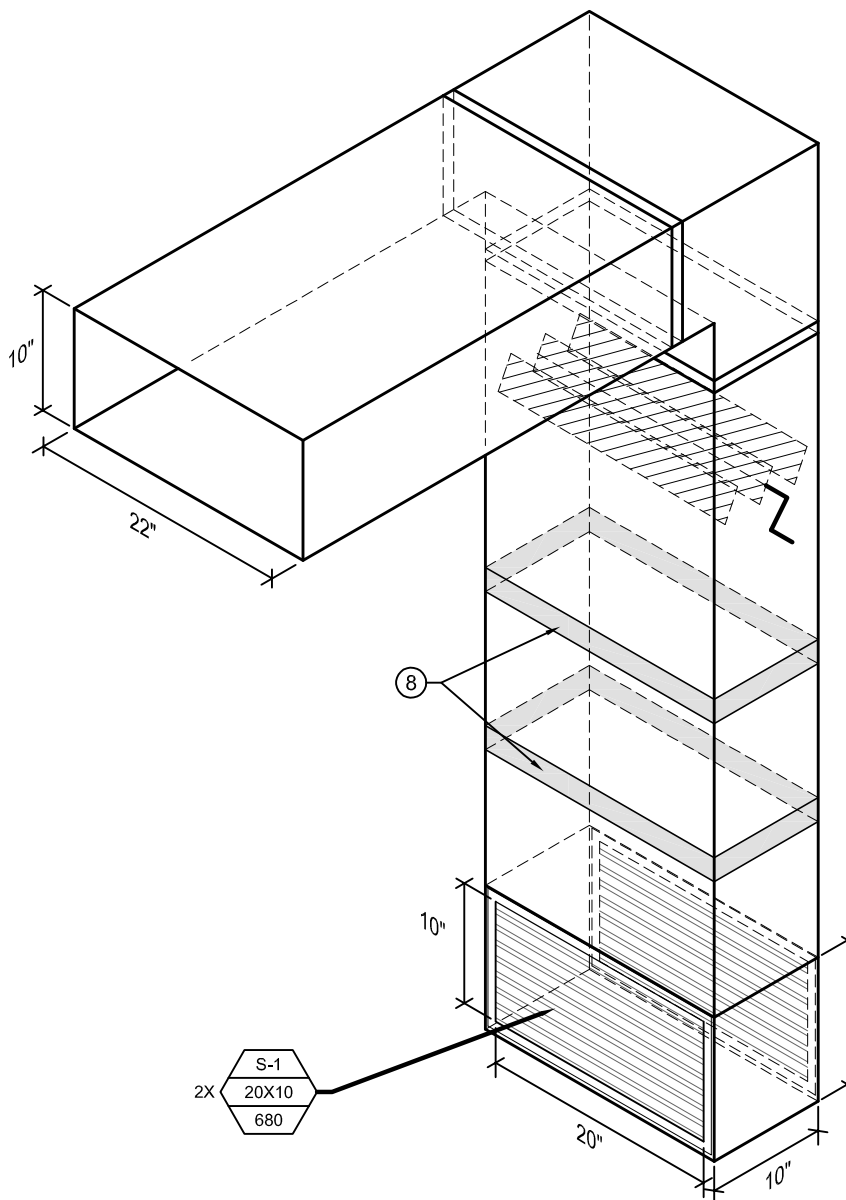
SCALE: 1/16" = 1'-0"

AS INDICATED ON STRUCTURAL DRAWING THE EXIST ROOF HAS BEEN DESIGNED FOR 36 psf LIVE LOAD. THE CONTRACTOR IS TO DETERMINE AN APPROPRIATE METHOD OF TRANSPORTING MATERIALS & MECHANICAL UNITS TO THE FINAL LOCATION WITHOUT EXCEEDING THIS DESIGN LOAD. ANY TRANSPORTATION METHOD SHOULD ENSURE PROTECTION OF THE EXIST ROOF SURFACE & UNDERLYING INSULATION.



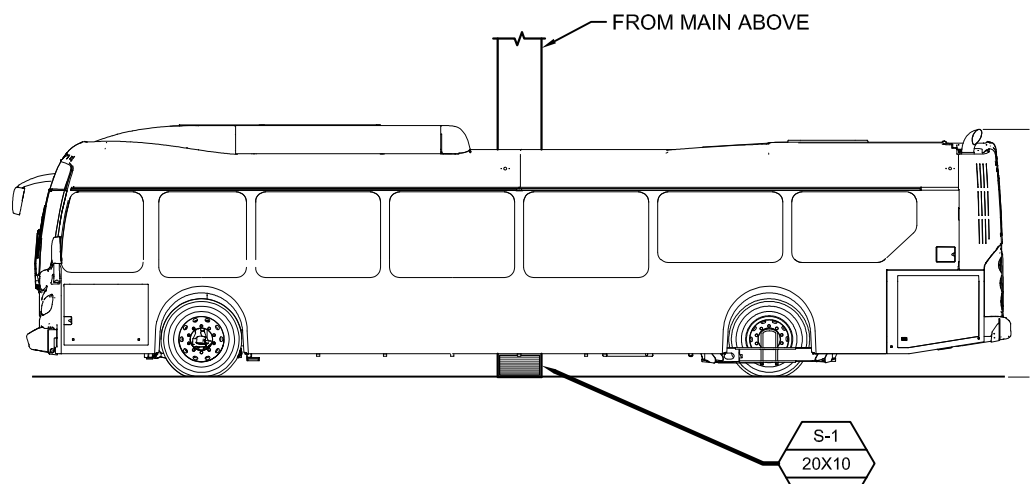
3 SUPPLY AIR PLENUM DETAIL ALONG GRIDLINE 54 & 56

SCALE: N.T.S.



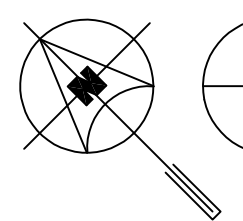
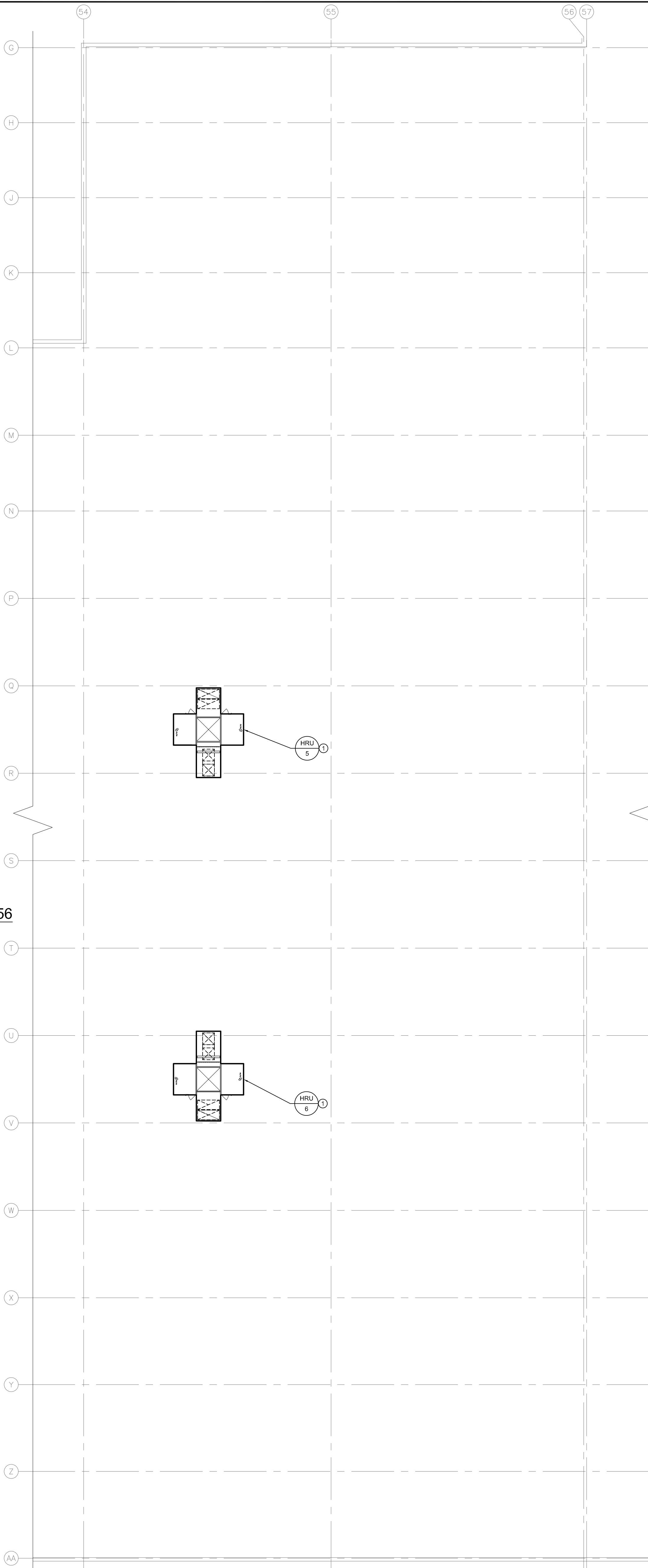
4 SUPPLY AIR PLENUM DETAIL ALONG GRIDLINE 55

SCALE: N.T.S.



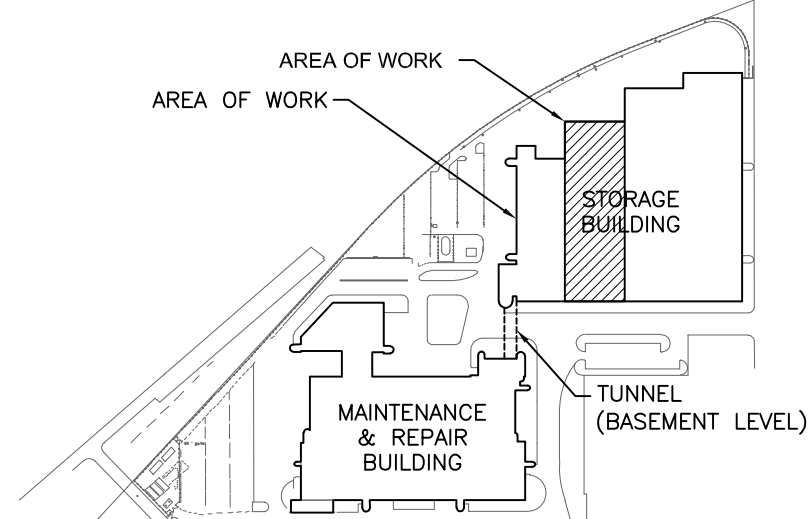
5 BUS - SECTION

SCALE: 1/16" = 1'-0"



2 ROOF PLAN - NEW CONSTRUCTION - VENTILATION

SCALE: 1/16" = 1'-0"



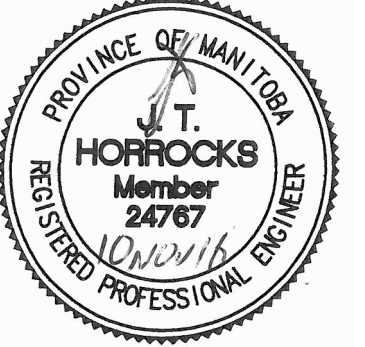
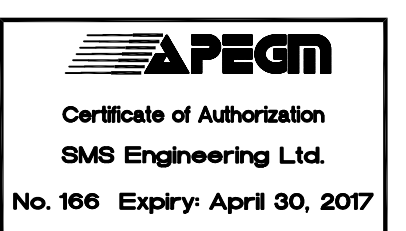
GENERAL NOTES

A. THIS BUILDING MAY CONTAIN ASBESTOS. REFER TO FRONT END SPECIFICATIONS FOR FURTHER INFORMATION.

KEY NOTES

- HRU TO BE MOUNTED ON STRUCTURAL STAND. REFER TO STRUCTURAL AND NOTE ON THIS DRAWING FOR TRANSPORTING OF HRU ON ROOF.
- INSTALL DUCTWORK TO UNDERSIDE OF JOIST TO MAINTAIN MINIMUM 14" CLEAR.
- RUN DUCT DOWN WALL TO SUPPLY GRILLE AT FLOOR LEVEL C/W BALANCING DAMPER ON BRANCH. SUPPORT DUCT FROM WALL.
- SUPPLY AIR GRILLE AT LOW LEVEL. 22" ABOVE FLOOR. REFER TO 3M4.1 AND 4M4.1 FOR DUCTWORK DETAILS.
- RUN DUCT DOWN COLUMN TO SUPPLY GRILLES AT FLOOR LEVEL C/W BALANCING DAMPER ON BRANCH. SUPPORT DUCT FROM COLUMN.
- OPEN ENDED EXHAUST OPENING C/W WIREMESH. AT HIGH LEVEL.
- DUCT MAINS RUNNING NORTH-SOUTH SHALL BE INSTALLED ABOVE A SINGLE BUS LANE TO ALLOW OTHER LANES TO REMAIN ACTIVE DURING CONSTRUCTION.
- PROVIDE YELLOW BANDING ON DUCT DROPS FOR VISUAL INDICATION.
- PROVIDE MOTORIZED DAMPER AT ROOF LINE.
- THEORETICAL AIR FLOW PATTERN FROM SUPPLY GRILLES WITH A 0" VERTICAL DEFLECTION AND 22.5" HORIZONTAL DEFLECTION. REFER TO SPECIFICATION FOR SMOKE TEST REQUIREMENT AND ADJUSTMENT OF GRILLES DURING COMMISSIONING.
- DUCTS RUNNING EASTWEST TO BE RECESSED UP INTO JOIST SPACE.
- OFFSET NEW DUCT TO AVOID EXISTING PIPE INTERFERENCE WHILE MAINTAINING 14" CLEAR HEIGHT REQUIREMENT.
- NEW DUCT TO RISE ABOVE EXISTING DUCT.

5			
4			
3			
2			
1			
0	ISSUED FOR CONSTRUCTION	JH	10/11/16
NO.	Description	BY	DD/MM/YY



770 Bradford Street
Winnipeg, Canada
T 204 775 0291
SMSeng.com



Winnipeg Transit

Project Title
CITY OF WINNIPEG FORT ROUGE
TRANSIT BASE - STORAGE TRACK
1-12 VENTILATION UPGRADE

WINNIPEG MANITOBA

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

Drawn By	GB / IE	Checked By	XZ	Approved By	JH
Scale	AS SHOWN	Date	SEPTEMBER 2016	Project No.	16-149-01
Revision Number		Drawing Number		Sheet Order	
0		M4.1		6	OF 9