



1 BASEMENT NEW HVAC LAYOUT
3/16" = 1'-0"

DRAWING KEYNOTES:

1. REBALANCE ALL EXHAUST INLETS TO 50 CFM.
2. NEW EXHAUST DUCT AND INLET GRILLE. PROVIDE OPPOSED BLADE BALANCING DAMPER AT GRILLE FACE.
3. DEMOLISH EXISTING EXHAUST RISER AND DUCTWORK BACK TO NEW RISER LOCATION.
4. PROVIDE NEW EXHAUST RISER TO SUIT NEW W/R LOCATION ON MAIN FLOOR PROVIDE FIRE DAMPER IN FLOOR PENETRATION.
5. REBALANCE EXISTING F-3 TO NEW FLOWS AS INDICATED. ALLOW FOR BELT AND PULLEY CHANGES.
6. REMOVE EXISTING EXHAUST GRILLE AND DUCT IN 104 BACK TO MAIN AND CAP.
7. RELOCATE EXHAUST DUCT GRILLE FOR MAIN FLOOR WASHROOM TO NEW LOCATION. BALANCE TO 50 CFM.
8. UNDERCUT DOOR BY 3/4".
9. COORDINATE CEILING LAYOUT WITH ARCHITECTURAL.
10. NEW EXHAUST DUCT AND INLET GRILLE FOR JANITOR'S ROOM. PROVIDE FIRE DAMPER.
11. EXISTING FURNACE WITH DUCT UP TO MAIN FLOOR CEILING.
12. DEMOLISH EXISTING SUPPLY AIR BACK TO MAIN DUCT AND CAP.
13. MODIFY DUCTWORK AND EXTEND TO RELOCATE EXISTING GRILLE.
14. NEW LOCATION OF EXISTING THERMOSTAT.

GENERAL NOTES:

1. DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE CONTRACT ADMINISTRATOR.
2. THE DRAWING ONLY SHOWS A GENERAL SCHEMATIC OF NEW PIPING SYSTEMS. ROUTING OF PIPES SHALL SUITS SITE CONDITIONS AND MAY HAVE TO BE CHANGED TO AVOID CONFLICTS WITH STRUCTURE, DUCTS AND PIPES. WHEN CONFLICT CANNOT BE AVOIDED, THE DUCTWORK SHALL BE MODIFIED AS REQUIRED.
3. CONTRACTOR SHALL INCLUDE FOR AND PROVIDE ALL COORDINATION BETWEEN TRADES AND CONSULTANT ON AND OFF SITE AS REQUIRED FOR INSTALLATION OF MECHANICAL AND ELECTRICAL SYSTEMS. WHERE MINOR REROUTING OF PIPE OR SERVICES IS REQUIRED DUE TO ONSITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
4. COORDINATE ALL GRILLE AND DIFFUSER LOCATIONS WITH LIGHTING LAYOUT.
5. INSTALL FIRE DAMPERS IN ALL DUCTWORKS WHERE THEY PASS THROUGH FIRE RATED WALLS.
6. FIRE STOP ALL PIPE PENETRATIONS WHERE THEY PASS THROUGH FIRE RATED WALLS.
7. CONFORM TO SPECIFICATIONS AND MANUFACTURER GUIDELINES FOR MATERIALS AND UNITS' INSTALLATION DETAILS.
8. PROVIDE TESTING AND BALANCING. CONFIRM ALL NEW FLOWS AS INDICATED AND CONFIRM ALL EXISTING AIR FLOWS IN AREA OF RENOVATION ON ALL OUTLETS AND ALL VAV BOXES.
9. ALLOW FOR REMOVAL AND RE-INSTALLATION OF MECHANICAL WALL CONTROLS TO FACILITATE ANY ARCHITECTURAL WORK.



THE CITY OF WINNIPEG PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
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Project:
St. Vital Library

6 Fernow Ave., Winnipeg, Manitoba
Project Number: 10254
Bid Opportunity Number: 766-2016

Drawing Title:
BASEMENT NEW HVAC LAYOUT

#	Issue/Revision	Date
1	ISSUED FOR CONSTRUCTION	SEPT 09, 2016

Sheet No: M-7

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