

**MAIN FLOOR PLAN - H.V.A.C.**  
SCALE: 1/4"=1'-0"

LEGEND - H.V.A.C.	
	EXHAUST AIR GRILLE
	BALANCING DAMPER
	GRILLE / DIFFUSER TAG
	EQUIPMENT TAG
	DRAWING NOTE TAG

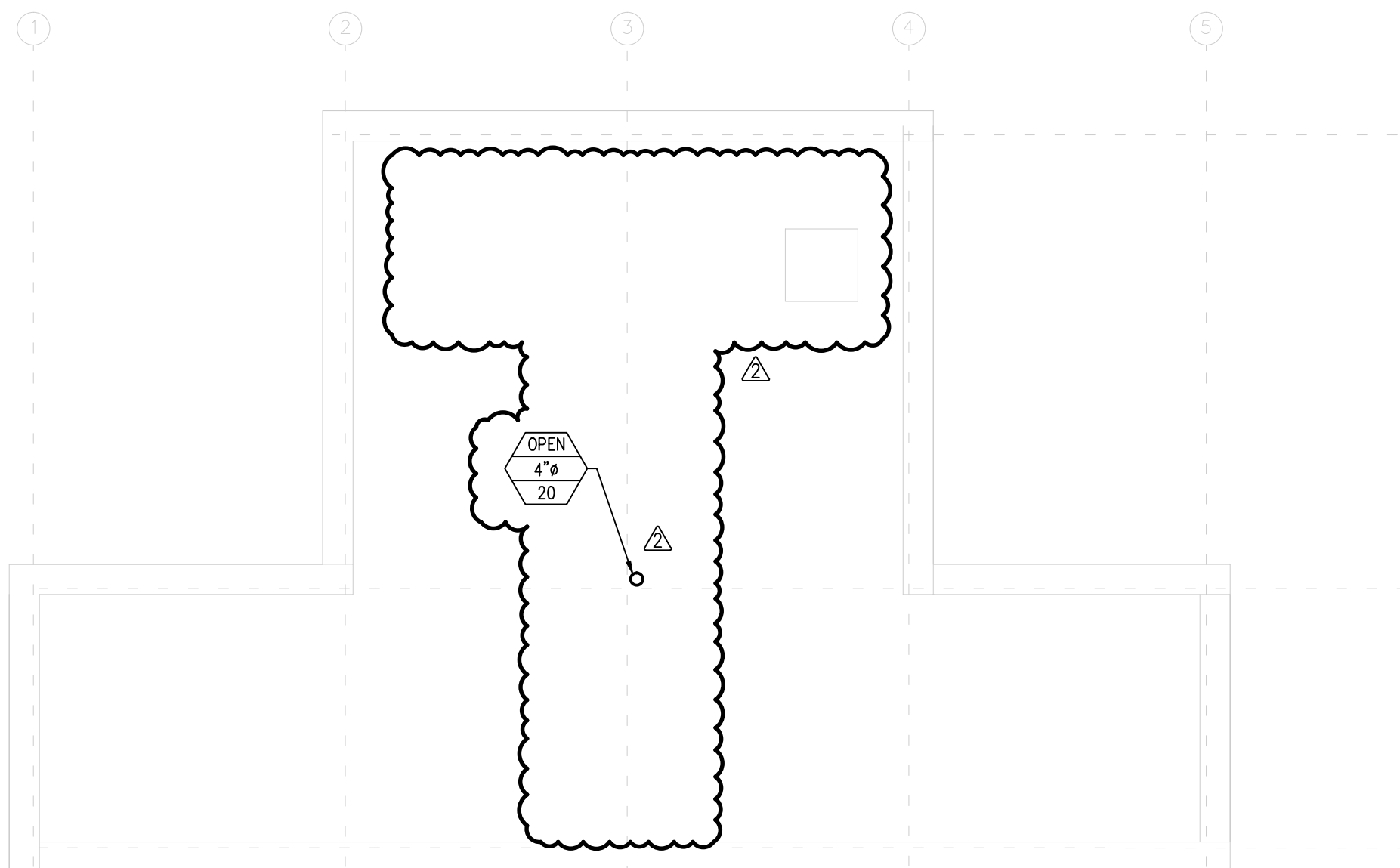
**DRAWING NOTES - H.V.A.C.**

- 1 EXTEND INSULATED EXHAUST DUCT TO SPUN ALUMINUM RELIEF VENTILATOR ON ROOF C/W MOTORIZED DAMPER AT ROOF LINE. COORDINATE INSTALLATION WITH CONTRACT ADMINISTRATOR.
- 2 SUSPEND EXHAUST FAN FROM STRUCTURE C/W ISOLATION AND FLEX CONNECTION.



**GENERAL NOTES:**

1. MECHANICAL SUBCONTRACTOR SHALL VERIFY EXACT LOCATIONS, SIZES, INVERTS, ETC. PRIOR TO COMMENCEMENT OF WORK. VERIFY ALL CONNECTION POINTS ON SITE.
2. MECHANICAL SUBCONTRACTOR SHALL ALLOW IN HIS TENDER QUOTATION FOR ALL REQUIRED MODIFICATIONS TO EXISTING SYSTEMS (I.E.) RE-ROUTING OF EXISTING PIPING AS DEEMED NECESSARY DUE TO RENOVATION WORK.
3. REFER TO ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWINGS FOR COORDINATION PURPOSES.
4. MANUFACTURED SHOCK ABSORBERS & PARTITION STOPS TO BE INSTALLED ON ALL FIXTURES OR BATTERY OF FIXTURES.
5. MECHANICAL SUBCONTRACTOR SHALL CAREFULLY REMOVE & RELOCATE EXISTING EQUIPMENT AS PER OWNERS REQUIREMENTS.
6. ALL CUTTING & PATCHING OF FLOOR SLABS, WALLS ETC. TO BE PERFORMED BY GENERAL CONTRACTOR.
7. ALL VENT PIPING TO BE INSTALLED AS PER CODE.
8. ALL DOMESTIC WATER LINES TO BE INSULATED.
9. COORDINATE THE EXACT LOCATION OF THE GRILLES AND DIFFUSERS ON SITE WITH THE ELECTRICAL SUBCONTRACTOR, GENERAL CONTRACTOR, ARCHITECTURAL CEILING PLAN, LIGHTING LAYOUT, ETC. TO ENSURE THAT THERE ARE NOT ANY CONFLICTS DURING INSTALLATION.
10. PROVIDE BALANCE DAMPER FOR EACH SUPPLY/EXHAUST AIR GRILLE OR DIFFUSER TO ALLOW FOR THE PROPER BALANCING OF THE SYSTEM. PROVIDE OPPOSED BLADE DAMPERS WITH THE DIFFUSER AND ADJUSTABLE FROM THE DIFFUSER FACE WHEN A DUCT MOUNTED BALANCE DAMPER WOULD NOT BE ACCESSIBLE.
11. ALL DUCT DIMENSIONS DENOTE INTERNAL "OPEN" AREA OF THE DUCT.
12. ALL DUCTWORK PENETRATING THE BUILDING THERMAL ENVELOPE SHALL BE INSULATED A MINIMUM 10'-0" BACK FROM THE BUILDING PENETRATION.
13. REFER TO ARCHITECTURAL DRAWINGS AND PROVIDE FIRE DAMPERS IN ALL WALLS DENOTED AS FIRE SEPARATIONS.
14. COORDINATE THE EXACT LOCATIONS OF EQUIPMENT, DUCT OPENINGS, AND DUCT LOCATIONS WITH THE EXISTING STRUCTURE AND THE CONTRACT ADMINISTRATOR.
15. ALL WORK SHALL COMPLY IN EVERY RESPECT WITH ALL NATIONAL, PROVINCIAL AND LOCAL CODES AND BY-LAWS, WHICH SHALL BE CONSIDERED PART OF THE SPECIFICATION. IN THE CASE OF CONFLICTING REQUIREMENTS, BE GOVERNED BY THE MOST STRINGENT REGULATIONS.
16. THE MECHANICAL SUBCONTRACTOR SHALL INSTALL PLUMBING, HEATING, VENTILATION, AND AIR CONDITIONING SYSTEMS IN COMPLETE ACCORDANCE WITH THE RECOMMENDATIONS OF THE NATIONAL/PROVINCIAL BUILDING CODE, ASHRAE, SMACNA LATEST EDITION DUCT STANDARDS, LOCAL PLUMBING CODES, AND DEPT. OF LABOUR REQUIREMENTS.
17. ALL INSULATING MATERIALS, METHODS, SIZES AND TYPES OF INSULATION FOR ALL PIPING AND DUCT WORK SHALL BE INSTALLED TO THE REQUIREMENTS OF THE ASHRAE STANDARDS 90.1 "ENERGY STANDARD FOR BUILDING EXCEPT LOW-RISE RESIDENTIAL BUILDING", AND THERMAL INSULATION ASSOCIATION OF CANADA (TIAC) STANDARDS.



**CRAWLSPACE PLAN - H.V.A.C.**  
SCALE: 1/4"=1'-0"

Owner  
City of Winnipeg  
190 River Road, Winnipeg, MB

No.	Date	Revision Notes
1	2015.05.08	Issued for Construction
2	2015.06.18	Mechanical Addendum #1

**PEGM**  
 Certificate of Authorization  
 Nova 3 Engineering Ltd.  
 No.962 Date: 2015/06/18

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Project  
St. Vital Washrooms

Drawing  
H.V.A.C.

Drawn By  
BD  
Scale  
As Shown

Reviewed By  
PSG  
Drawing No.  
M-2.1

Date  
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1445

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