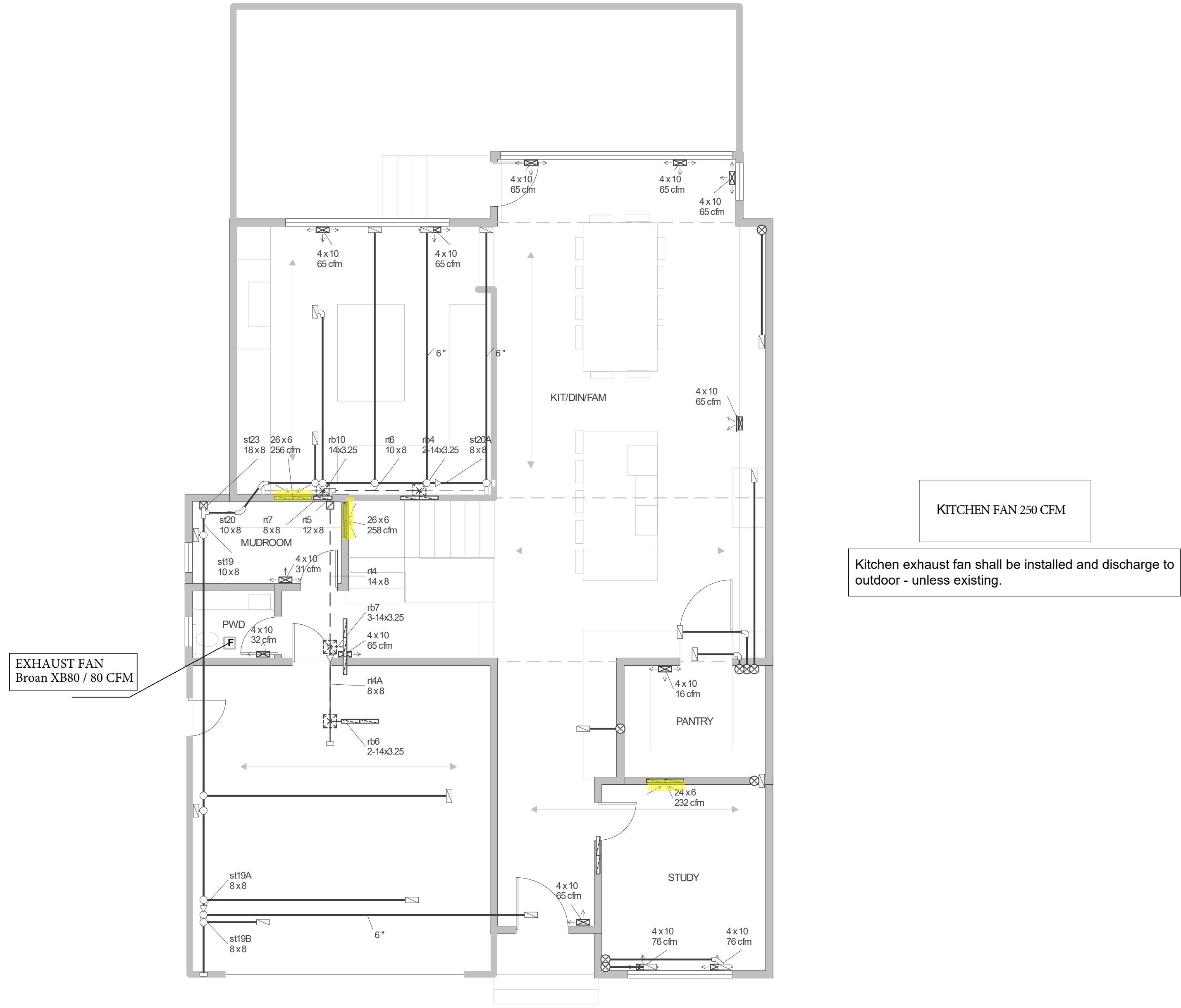


ZONING		
O.B.C.	Vongphakdy, Isabell	19/May/2023
FIRE SERVICES		
O.B.C. (S)		

First floor



The undersigned has reviewed and takes responsibility for this design, and has all qualifications and meets the requirements set out in the Ontario Building Code to be a designer. This design is valid for one year from date of stamp

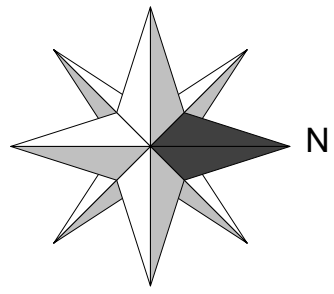
**Ontario** BCIN 110207  
 HVAC Design BCIN 123326 *[Signature]*

**Job #: HVAC - 901**  
**Performed by Murat Karadag for:**  
 35 Botfield Ave  
 Toronto, ON

**Ontario HVAC Design**  
 2099 BATES COMMON  
 BURLINGTON, ON L7R 0A5  
 Phone: 905-818-9523  
 www.hvacdesign.ca info@hvacdesign.ca

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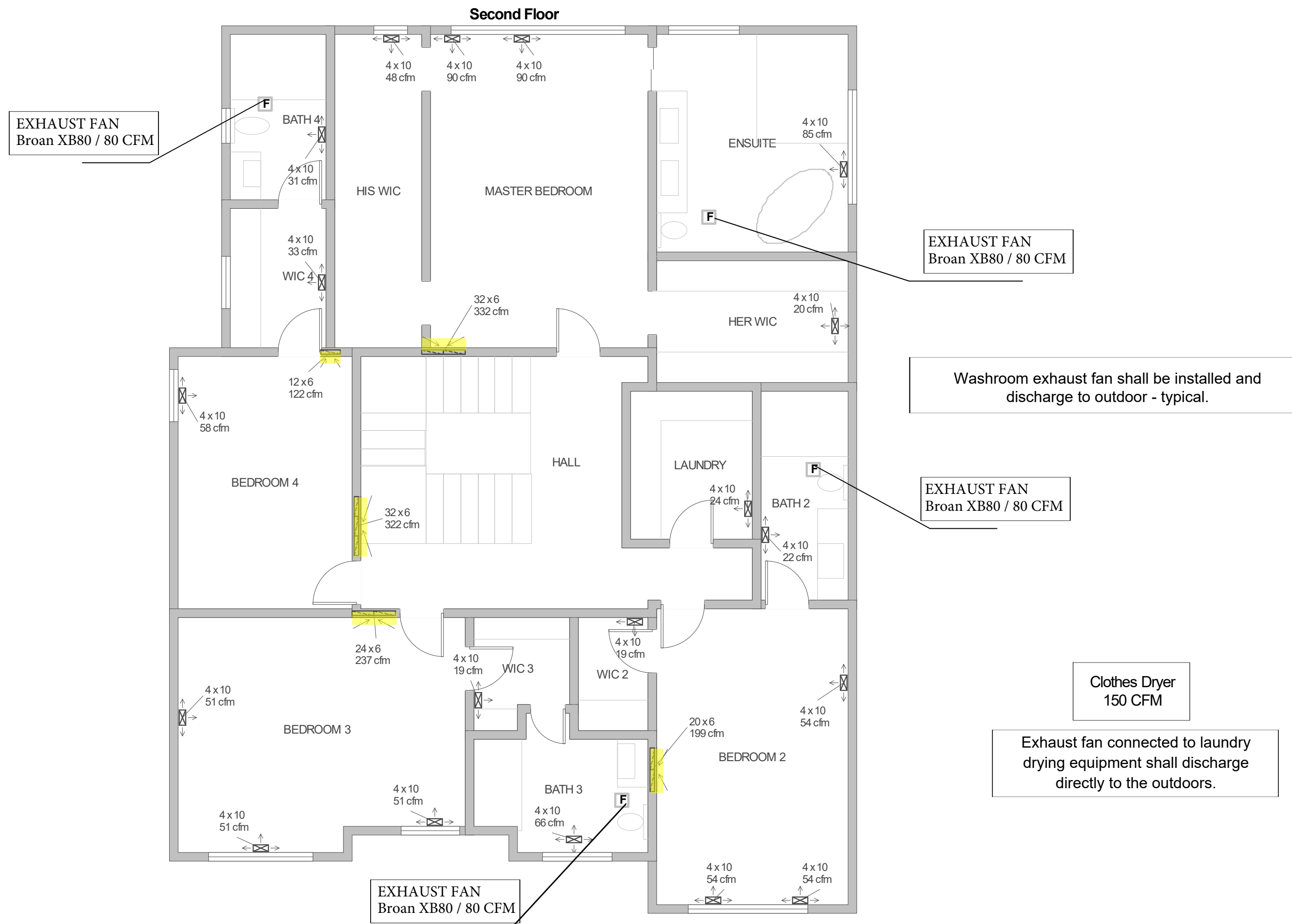




ZONING		
O.B.C.	Vongphakdy, Isabell	19/May/2023
FIRE SERVICES		
O.B.C. (S)		

**NOTES**

- All ducts to be sealed
- The exact location of grills/ registers to harmonize with other trades
- All rooms without return grills shall have doors undercut
- Any ducts passing through unconditioned space to be insulated to min R12 and wrapped in a vapor barrier
- All S/A branches to be equipped with balancing dampers
- Basement return(s) are low wall all other returns are to be a high wall
- Kitchen fans are not to exceed 500cfm
- Assume all S/A branches to be 5" unless stated otherwise
- R/A branches at 14 x 5.50 are to be installed into 2 x 6 walls
- The exact location of bathroom vents to be decided on site
- If HRV is recommended assume it to have a simplified connection unless stated otherwise.
- If more than one (1) HRV is indicated assume the Principal Exhaust load to be shared and the circulation switch will be interlocked to operate units simultaneously. Duct HRV to a cold air return plenum. Minimum 6'6" horizontally from the furnace.
- Furnace fan must run continuously.
- Any rooms over 10' \*\*\*Ceiling fans are highly recommended\*\*\*
- Installation to comply with current OBC regulations and follow manufacturers recommendations
- Any ducts penetrating fire separation must be equipped with fire dampers as per OBC 3.1.8.7
- Location of A/C units to comply with OBC and manufacturers location and installation recommendations
- All branch connections will be at the discretion of the installer and must meet OBC code requirements
- All equipment installation will meet OBC requirements and manufacturers recommendations.
- Equipment specified may be substituted with comparable make and models, Must meet indicated loads specified in final reports.
- The duct design has allotted for movements of ducts 6" either way to accommodate on-site structural necessity. The design is based on plans submitted to Ontario HVAC Design by the builder/contractor/owner. Ontario HVAC Design is not responsible for changes made to the duct design during construction. Ontario HVAC Design will not be performing any on-site final inspection.



**LEGEND**

	Furnace		Trunk Fitting
	Return Grill		Return Boot
	Supply Register		Double Wall Return Grill
	Supply Boot		Single Wall Return Grill
	Wall Supply Register		Top Takeoff
	Return Air Cutout		Single Line Reducer
	Supply Riser Round		Supply Riser Square/Rectangular
	Supply Duct Single Line		Return Duct Single Line
5"	Round Branch Notation	14x3.25	Return stud Cavity Notation
10 x 4 00cfm	Register Notation, size and Air Flow	8 x 8	Trunk Size Notation
	Exhaust Fan		Fire Damper

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**Ontario** BCIN 110207  
**HVAC Design** BCIN 123326

**Job #: HVAC - 901**  
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