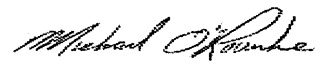


Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

A. Project Information			
Building number, street name		Unit no.	Lot/con.
Municipality VAUGHAN (WOODBIDGE)	Postal code	Plan number/ other description	
B. Individual who reviews and takes responsibility for design activities			
Name MICHAEL O'ROURKE		Firm HVAC DESIGNS LTD.	
Street address 375 FINLEY AVE		Unit no. 202	Lot/con. N/A
Municipality AJAX	Postal code L1S 2E2	Province ONTARIO	E-mail info@hvacdesigns.ca
Telephone number (905) 619-2300	Fax number (905) 619-2375	Cell number ()	
C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1 OF Division C]			
☐ House ☐ Small Buildings ☐ Large Buildings ☐ Complex Buildings ☒ HVAC – House ☐ Building Services ☐ Detection, Lighting and Power ☐ Fire Protection ☐ Building Structural ☐ Plumbing – House ☐ Plumbing – All Buildings ☐ On-site Sewage Systems			
Description of designer's work HEAT LOSS / GAIN CALCULATIONS DUCT SIZING RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY RESIDENTIAL SYSTEM DESIGN per CSA-F280-12		Model: 3105 Project: PINE VALLEY DRIVE	
D. Declaration of Designer			
I, <u>MICHAEL O'ROURKE</u> declare that (choose one as appropriate): (print name)			
☐ I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4. of Division C, of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories. Individual BCIN: _____ Firm BCIN: _____			
☒ I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5. of Division C, of the Building Code. Individual BCIN: <u>19669</u> Basis for exemption from registration and qualification: <u>O.B.C SENTENCE 3.2.4.1 (4)</u>			
☐ The design work is exempt from the registration and qualification requirements of the Building Code. Basis for exemption from registration and qualification: _____			
I certify that:			
1. The information contained in this schedule is true to the best of my knowledge. 2. I have submitted this application with the knowledge and consent of the firm.			
May 4, 2021		 Signature of Designer	
Date			

NOTE:

- For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) d). of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.
- Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of authorization, issued by the Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited license to practise, or a certificate of authorization, issued by the Association of Professional Engineers of Ontario.

Application for a Permit Construct or Demolish – Effective January 1, 2015

SITE NAME: PINE VALLEY DRIVE									
BUILDING: GOLD PARK HOMES									
TYPE: 3105									
DATE: May-21									
LO# 90636									
GFA: 1765									
WINTER NATURAL AIR CHANGE RATE 0.383									
HEAT LOSS AT °F. 76									
HEAT GAIN AT °F. 13									
SS-12 PACKAGE A1									
CSA-F280-12									
ROOM USE	EXP. WALL	CLG. HT.	MBR	BED-2	BED-3	LOFT	BATH	B-ETH	
GRS.WALL AREA	18		11	36	36	0	10	0	
GLAZING				9	9	9	9	9	
NORTH									
EAST									
SOUTH									
WEST									
SKYL.T.									
DOORS									
NET EXPOSED WALL									
NET EXPOSED BSMT WALL ABOVE GR									
EXPOSED CLG									
NO ATTIC EXPOSED CLG									
EXPOSED FLOOR									
BASEMENT/CRAWL HEAT LOSS									
SLAB ON GRADE HEAT LOSS									
SUBTOTAL HT LOSS									
SUB TOTAL HT GAIN									
LEVEL FACTOR / MULTIPLIER									
AIR CHANGE HEAT LOSS									
AIR CHANGE HEAT GAIN									
DUCT LOSS									
DUCT GAIN									
HEAT GAIN PEOPLE									
HEAT GAIN APPLIANCES/LIGHTS									
TOTAL HT LOSS BTU/H									
TOTAL HT GAIN x 1.3 BTU/H									

ROOM USE	EXP. WALL	CLG. HT.	KIT	FOY	WOD	BAS
GRS.WALL AREA	17		11	11	36	108
GLAZING					9	9
NORTH						
EAST						
SOUTH						
WEST						
SKYL.T.						
DOORS						
NET EXPOSED WALL						
NET EXPOSED BSMT WALL ABOVE GR						
EXPOSED CLG						
NO ATTIC EXPOSED CLG						
EXPOSED FLOOR						
BASEMENT/CRAWL HEAT LOSS						
SLAB ON GRADE HEAT LOSS						
SUBTOTAL HT LOSS						
SUB TOTAL HT GAIN						
LEVEL FACTOR / MULTIPLIER						
AIR CHANGE HEAT LOSS						
AIR CHANGE HEAT GAIN						
DUCT LOSS						
DUCT GAIN						
HEAT GAIN PEOPLE						
HEAT GAIN APPLIANCES/LIGHTS						
TOTAL HT LOSS BTU/H						
TOTAL HT GAIN x 1.3 BTU/H						

TOTAL HEAT GAIN BTU/H: 23515 TONS: 1.96 LOSS DUE TO VENTILATION LOAD BTU/H: 1305 STRUCTURAL HEAT LOSS: 36894 TOTAL COMBINED HEAT LOSS BTU/H: 38199

SITE NAME: PINE VALLEY DRIVE
BUILDER: GOLD PARK HOMES

TYPE: 3105

DATE: May-21

GFA: 1765

90636

HEATING CFM	980	COOLING CFM	980
TOTAL HEAT LOSS	36,894	TOTAL HEAT GAIN	23,295
AIR FLOW RATE CFM	26.56	AIR FLOW RATE CFM	42.07

ML196UH045XE36B 45 \$LENNOX
FAN SPEED
INPUT (BTU/H) = 44,000
OUTPUT (BTU/H) = 42,800
AFUE = 96 %

RUN COUNT	4th	3rd	2nd	1st	Bas
S/A	0	0	6	7	5
R/A	0	0	3	2	1

All S/A diffusers 4"x10" unless noted otherwise on layout.

All S/A runs 5"Ø unless noted otherwise on layout

	1	2	3	4	5	6	7	10	12	13	14	15	19	21	22	23	24
RUN#	MBR	BED-2	BED-3	BED-2	BED-3	LOFT	BATH	MBR	KIT	KIT	KIT	KIT	FOY	BAS	BAS	BAS	BAS
ROOM NAME	RM LOSS MBH.	1.07	1.35	2.35	1.35	0.33	0.80	1.07	2.44	2.44	2.44	2.44	3.36	3.18	3.18	3.18	3.18
CFM PER RUN HEAT	28	36	62	36	62	9	21	28	65	65	65	65	89	84	84	84	84
RM GAIN MBH.	1.92	1.82	1.79	1.82	1.79	0.91	0.17	1.92	2.11	2.11	2.11	2.11	0.59	0.53	0.53	0.53	0.53
CFM PER RUN COOLING	81	77	75	77	75	38	7	81	89	89	89	89	25	22	22	22	22
ADJUSTED PRESSURE	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
ACTUAL DUCT LGH.	13	38	41	32	47	22	31	18	33	37	47	56	24	41	65	11	28
EQUIVALENT LENGTH	110	165	170	165	190	200	195	120	160	120	110	120	140	180	130	180	110
TOTAL EFFECTIVE LENGTH	123	203	211	197	237	222	226	138	193	157	157	176	164	221	195	191	138
ADJUSTED PRESSURE	0.13	0.08	0.08	0.07	0.07	0.08	0.08	0.12	0.08	0.1	0.1	0.09	0.1	0.01	0.08	0.08	0.12
ROUND DUCT SIZE	5	6	6	6	6	4	4	5	6	6	6	6	6	6	6	6	6
HEATING VELOCITY (ft/min)	206	184	316	184	316	103	241	206	331	331	331	331	454	428	428	428	428
COOLING VELOCITY (ft/min)	595	393	382	393	382	436	80	595	454	454	454	454	127	112	112	112	112
OUTLET GRILL SIZE	3X10	4X10	4X10	4X10	4X10	3X10	3X10	3X10	4X10	4X10	4X10	4X10	4X10	4X10	4X10	4X10	4X10
TRUNK	B	A	B	B	B	A	A	B	A	A	A	A	B	A	A	R	X

25	ROOM NAME	B-BTH
0.40	RM LOSS MBH.	0
11	CFM PER RUN HEAT	11
0.00	RM GAIN MBH.	0.00
0.17	CFM PER RUN COOLING	0
16	ADJUSTED PRESSURE	0.17
150	ACTUAL DUCT LGH.	16
161	EQUIVALENT LENGTH	150
0.1	TOTAL EFFECTIVE LENGTH	161
4	ADJUSTED PRESSURE	0.1
126	ROUND DUCT SIZE	4
0	HEATING VELOCITY (ft/min)	126
3X10	COOLING VELOCITY (ft/min)	0
A	OUTLET GRILL SIZE	3X10
	TRUNK	A

[illegible]

TYPE: 3105
SITE NAME: PINE VALLEY DRIVE

LO # 90636

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES		9.32.3.1(1)
a) ☒	Direct vent (sealed combustion) only	
b) ☐	Positive venting induced draft (except fireplaces)	
c) ☐	Natural draft, B-vent or induced draft gas fireplace	
d) ☐	Solid Fuel (including fireplaces)	
e) ☐	No Combustion Appliances	

HEATING SYSTEM	
☒	Forced Air
☐	Non Forced Air
☐	Electric Space Heat

HOUSE TYPE		9.32.1(2)
☒	I Type a) or b) appliance only, no solid fuel	
☐	II Type I except with solid fuel (including fireplaces)	
☐	III Any Type c) appliance	
☐	IV Type I, or II with electric space heat	
☐	Other: Type I, II or IV no forced air	

SYSTEM DESIGN OPTIONS		O.N.H.W.P.
☐	1 Exhaust only/Forced Air System	
☐	2 HRV with Ducting/Forced Air System	
☒	3 HRV Simplified/connected to forced air system	
☐	4 HRV with Ducting/non forced air system	
☐	Part 6 Design	

TOTAL VENTILATION CAPACITY		9.32.3.3(1)
Basement + Master Bedroom	2 @ 21.2 cfm	42.4 cfm
Other Bedrooms	2 @ 10.6 cfm	21.2 cfm
Kitchen & Bathrooms	5 @ 10.6 cfm	53 cfm
Other Rooms	4 @ 10.6 cfm	42.4 cfm
Table 9.32.3.A.	TOTAL	159.0 cfm

PRINCIPAL VENTILATION CAPACITY REQUIRED		9.32.3.4.(1)
1 Bedroom	31.8	cfm
2 Bedroom	47.7	cfm
3 Bedroom	63.6	cfm
4 Bedroom	79.5	cfm
5 Bedroom	95.4	cfm
TOTAL		63.6 cfm

SUPPLEMENTAL VENTILATION CAPACITY		9.32.3.5.
Total Ventilation Capacity	159	cfm
Less Principal Ventil. Capacity	63.6	cfm
Required Supplemental Capacity	95.4	cfm

PRINCIPAL EXHAUST FAN CAPACITY	
Model: VANE V150H	Location: BSMT
63.6 cfm	☒ HVI Approved

PRINCIPAL EXHAUST HEAT LOSS CALCULATION			
CFM	ΔT °F	FACTOR	% LOSS
63.6 CFM	X 76 F	X 1.08	X 0.25

SUPPLEMENTAL FANS BY INSTALLING CONTRACTOR				
Location	Model	cfm	HVI	Sones
ENS	BY INSTALLING CONTRACTOR	50	☒	3.5
BATH	BY INSTALLING CONTRACTOR	50	☒	3.5
PWD	BY INSTALLING CONTRACTOR	50	☒	3.5

HEAT RECOVERY VENTILATOR		9.32.3.11.
Model: VANE V150H		
150 cfm high	35 cfm low	
75 % Sensible Efficiency	☒ HVI Approved	
@ 32 deg F (0 deg C)		

LOCATION OF INSTALLATION	
Lot:	Concession
Township	Plan:
Address	
Roll #	Building Permit #

BUILDER: GOLD PARK HOMES	
Name:	
Address:	
City:	
Telephone #:	Fax #:

INSTALLING CONTRACTOR	
Name:	
Address:	
City:	
Telephone #:	Fax #:

DESIGNER CERTIFICATION	
I hereby certify that this ventilation system has been designed in accordance with the Ontario Building Code.	
Name:	HVAC Designs Ltd.
Signature:	<i>Michael O'Rourke</i>
HRAI #	001820
Date:	May-21

CSA F280-12 Residential Heat Loss and Heat Gain Calculations																																																																															
Formula Sheet (For Air Leakage / Ventilation Calculation)																																																																															
LO#: 90636	Model: 3105	Builder: GOLD PARK HOMES	Date: 5/4/2021																																																																												
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$HG_{satb} = LR_{airc} \times \frac{V_b}{3.6} \times DTD_c \times 1.2$																																																																															
$= 0.125 \times 216.23 \times 7 \times 1.2 = 230 \text{ W}$																																																																															
$= 784 \text{ Btu/h}$																																																																															
6.2.7 Sensible heat Gain due to Ventilation																																																																															
$HL_{vairb} = PVC \times DTD_h \times 1.08 \times (1 - E)$																																																																															
$64 \text{ CFM} \times 13 \text{ °F} \times 1.08 \times 0.25 = 220 \text{ Btu/h}$																																																																															
5.2.3.3 Calculation of Air Change Heat Loss for Each Room (Floor Multiplier Section)																																																																															
$HL_{airrr} = Level \ Factor \times HL_{airbv} \times \{(HL_{agcr} + HL_{bgcr}) \div (HL_{agclevel} + HL_{bgclevel})\}$																																																																															
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*HL_{airbv} = Air leakage heat loss + ventilation heat loss *For a balanced or supply only ventilation system HL_{airrr} = 0																																																																															

HEAT LOSS AND GAIN SUMMARY SHEET**MODEL:** 3105**SFQT:** 1765**LO#** 90636**BUILDER:** GOLD PARK HOMES**SITE:** PINE VALLEY DRIVE**DESIGN ASSUMPTIONS**

HEATING	°F	COOLING	°F
OUTDOOR DESIGN TEMP.	-4	OUTDOOR DESIGN TEMP.	88
INDOOR DESIGN TEMP.	72	INDOOR DESIGN TEMP. (MAX 75°F)	75

BUILDING DATA

ATTACHMENT:	ATTACHED	# OF STORIES (+BASEMENT):	3
FRONT FACES:	EAST	ASSUMED (Y/N):	Y
AIR CHANGES PER HOUR:	3.57	ASSUMED (Y/N):	Y
AIR TIGHTNESS CATEGORY:	AVERAGE	ASSUMED (Y/N):	Y
WIND EXPOSURE:	SHELTERED	ASSUMED (Y/N):	Y
HOUSE VOLUME (ft ³):	27490.0	ASSUMED (Y/N):	Y
INTERNAL SHADING:	BLINDS/CURTAINS	ASSUMED OCCUPANTS:	4
INTERIOR LIGHTING LOAD (Btu/h/ft ²):	1.27	DC BRUSHLESS MOTOR (Y/N):	Y
FOUNDATION CONFIGURATION	BCIN_1	DEPTH BELOW GRADE:	6.0 ft
LENGTH: 44.0 ft	WIDTH: 32.0 ft	EXPOSED PERIMETER:	108.0 ft

2012 OBC - COMPLIANCE PACKAGE**Component****Compliance Package
A1****Nominal Min. Eff.**

Ceiling with Attic Space Minimum RSI (R)-Value	60	59.22
Ceiling Without Attic Space Minimum RSI (R)-Value	31	27.65
Exposed Floor Minimum RSI (R)-Value	31	29.80
Walls Above Grade Minimum RSI (R)-Value	22	17.03
Basement Walls Minimum RSI (R)-Value	20 ci	21.12
Below Grade Slab Entire surface > 600 mm below grade Minimum RSI (R)-Value	-	-
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI (R)-Value	10	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value	10	11.13
Windows and Sliding Glass Doors Maximum U-Value	0.28	-
Skylights Maximum U-Value	0.49	-
Space Heating Equipment Minimum AFUE	96%	-
HRV Minimum Efficiency	75%	-
Domestic Hot Water Heater Minimum EF	0.8	-

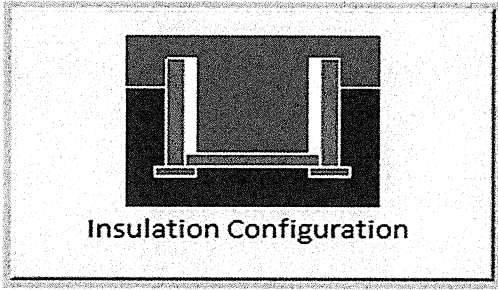
INDIVIDUAL BCIN: 19669

MICHAEL O'ROURKE



Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

Weather Station Description		
Province:	Ontario	
Region:	Vaughan (Woodbridge)	
Site Description		
Soil Conductivity:	Normal conductivity: dry sand, loam, clay	
Water Table:	Normal (7-10 m, 23-33 ft)	
Foundation Dimensions		
Floor Length (m):	13.4	 Insulation Configuration
Floor Width (m):	9.8	
Exposed Perimeter (m):	32.9	
Wall Height (m):	2.7	
Depth Below Grade (m):	1.83	
Window Area (m ²):	1.7	
Door Area (m ²):	1.9	
Radiant Slab		
Heated Fraction of the Slab:	0	
Fluid Temperature (°C):	33	
Design Months		
Heating Month	1	
Foundation Loads		
Heating Load (Watts):		1037

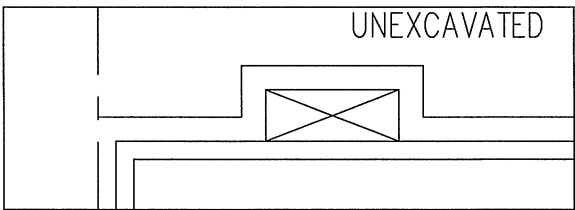
TYPE: 3105
LO# 90636

Air Infiltration Residential Load Calculator

Supplemental tool for CAN/CSA-F280

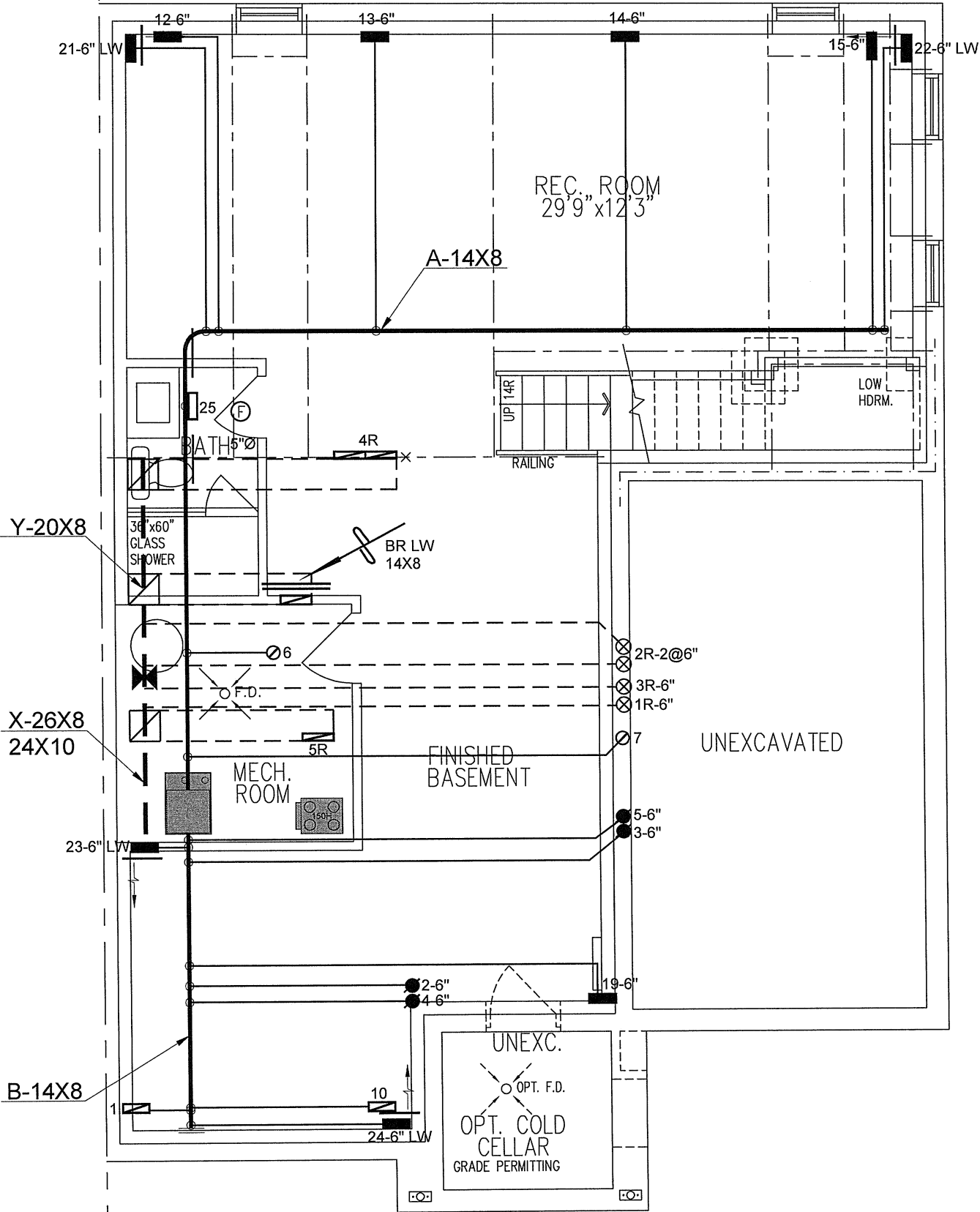
Weather Station Description				
Province:	Ontario			
Region:	Vaughan (Woodbridge)			
Weather Station Location:	Open flat terrain, grass			
Anemometer height (m):	10			
Local Shielding				
Building Site:	Suburban, forest			
Walls:	Heavy			
Flue:	Heavy			
Highest Ceiling Height (m):	7.92			
Building Configuration				
Type:	Semi			
Number of Stories:	Two			
Foundation:	Full			
House Volume (m ³):	778.4			
Air Leakage/Ventilation				
Air Tightness Type:	Present (1961-) (3.57 ACH)			
Custom BDT Data:	ELA @ 10 Pa.	1037.7 cm ²		
	3.57	ACH @ 50 Pa		
Mechanical Ventilation (L/s):	Total Supply	Total Exhaust		
	30.0	30.0		
Flue Size				
Flue #:	#1	#2	#3	#4
Diameter (mm):	0	0	0	0
Natural Infiltration Rates				
Heating Air Leakage Rate (ACH/H):	0.383			
Cooling Air Leakage Rate (ACH/H):	0.125			

TYPE: 3105
LO# 90636

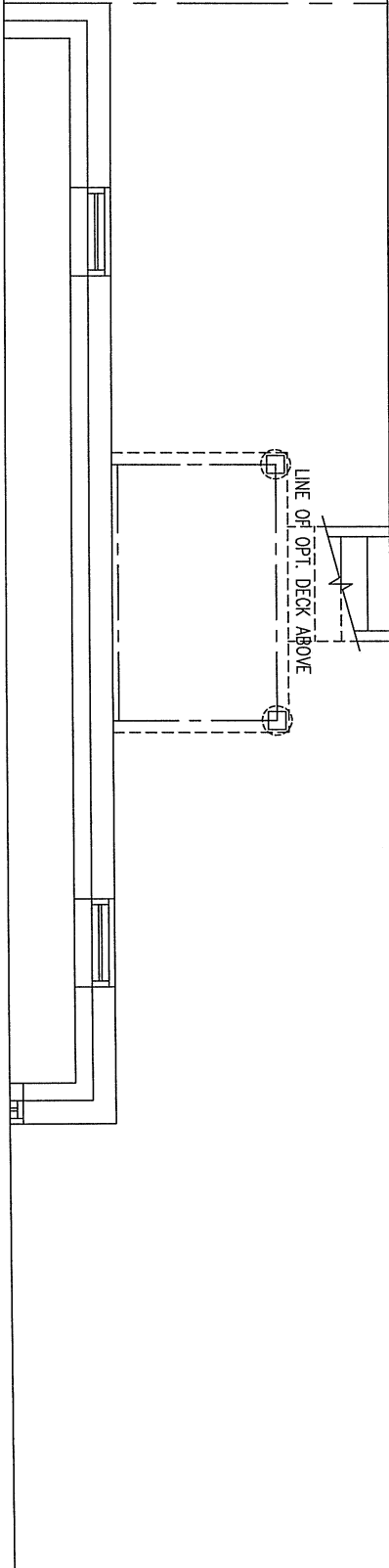


OPT. BASEMENT PLAN
W/ FIREPLACE ABOVE
UNEXCAVATED

WINDOW NOT INCLUDED
WITH OPT. LOGGIA



PART. BASEMENT PLAN, EL. 'A' - W.O.D. COND.



BASEMENT PLAN, EL. 'A'

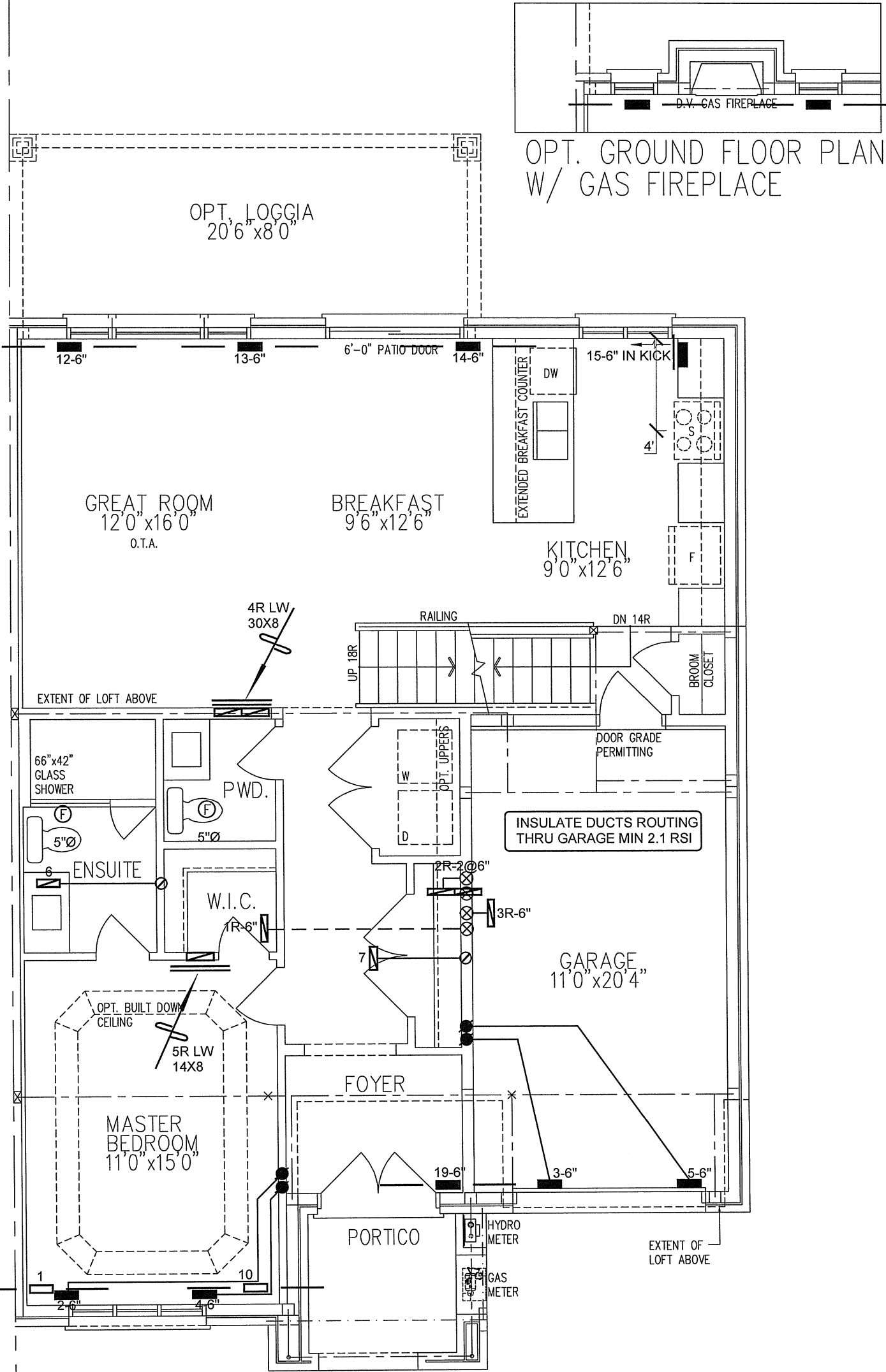
I MICHAEL O'ROURKE HAVE REVIEW
AND TAKE RESPONSIBILITY FOR THE
DESIGN WORK AND AM QUALIFIED
UNDER DIVISION C, 3.2.5 OF THE
BUILDING CODE.
Michael O'Rourke
Michael O'Rourke, BCIN# 19669
HVAC DESIGNS LTD.

CSA-F280-12
PACKAGE A1

HVAC LEGEND								3.		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
	SUPPLY AIR GRILLE 6" BOOT		SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE		RETURN AIR STACK 2nd FLOOR	No.	Description	Date
	SUPPLY AIR BOOT ABOVE		6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE		REDUCER	REVISIONS		

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Client		HVACDESIGNS LTD. 375 Finley Ave. Suite 202 - Ajax, Ontario L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca Specializing in Residential Mechanical Design Services Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.	HEAT LOSS 38199 BTU/H		# OF RUNS		S/A		R/A		FANS		Sheet Title	
GOLD PARK HOMES			UNIT DATA		3RD FLOOR								BASEMENT HEATING LAYOUT	
			MAKE		2ND FLOOR		6		3		1			
			MODEL		1ST FLOOR		7		2		3			
			ML196UH045XE36B		BASEMENT		5		1		1			
Project Name			44 MBTU/H		BASEMENT								Date	
PINE VALLEY DRIVE VAUGHAN, ONTARIO			OUTPUT		42.8 MBTU/H		ALL S/A DIFFUSERS 4 "x10" UNLESS NOTED OTHERWISE ON LAYOUT. ALL S/A RUNS 5"Ø UNLESS NOTED OTHERWISE ON LAYOUT. UNDERCUT DOORS 1" min. FOR R/A						Scale	
			COOLING		2.0 TONS								3/16" = 1'-0"	
			FAN SPEED		980 cfm @ 0.6" w.c.								BCIN# 19669	
3105		1765 sqft		LO# 90636										



GROUND FLOOR PLAN, EL. 'A'

I MICHAEL O'ROURKE HAVE REVIEWED AND TAKE RESPONSIBILITY FOR THE DESIGN WORK AND AM QUALIFIED UNDER DIVISION C, 3.2.5 OF THE BUILDING CODE.

Michael O'Rourke
Michael O'Rourke, BCIN# 19669
HVAC DESIGNS LTD.

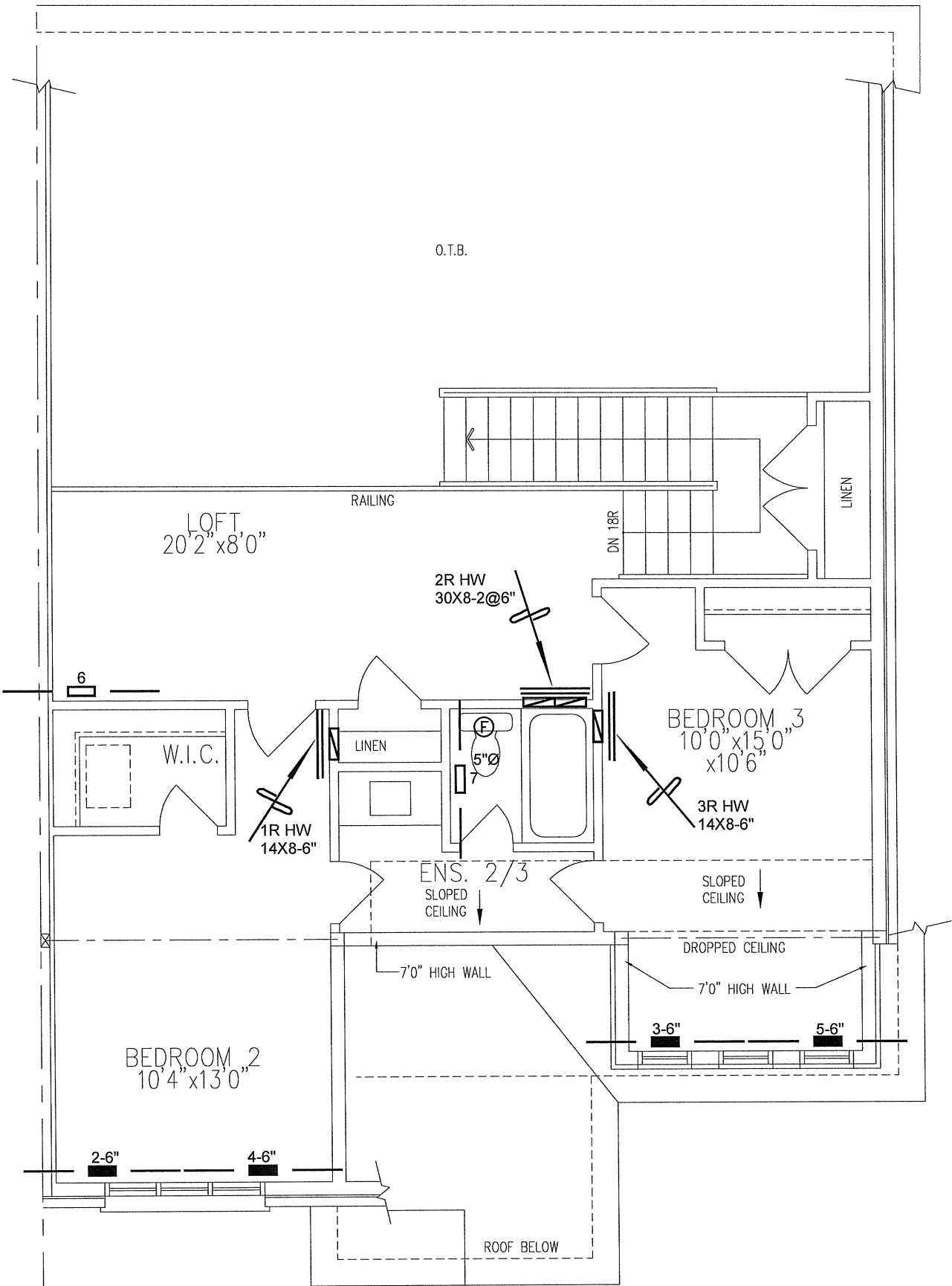
CSA-F280-12

PACKAGE A1

HVAC LEGEND							3.		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.	
	SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.	
	SUPPLY AIR GRILLE 6" BOOT		SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE		RETURN AIR STACK 2nd FLOOR	No.	Description Date
	SUPPLY AIR BOOT ABOVE		6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE		REDUCER	REVISIONS	

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Client		 375 Finley Ave. Suite 202 - Ajax, Ontario L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca Specializing in Residential Mechanical Design Services Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.	Sheet Title	
GOLD PARK HOMES			FIRST FLOOR HEATING LAYOUT	
Project Name			Date	APR/2021
PINE VALLEY DRIVE VAUGHAN, ONTARIO			Scale	3/16" = 1'-0"
3105			BCIN# 19669	
1765 sqft			LO#	90636



LOFT PLAN, EL. 'A'

I MICHAEL O'ROURKE HAVE REVIEWED AND TAKE RESPONSIBILITY FOR THE DESIGN WORK AND AM QUALIFIED UNDER DIVISION C, 3.2.5 OF THE BUILDING CODE.

Michael O'Rourke
Michael O'Rourke, BCIN# 19669
HVAC DESIGNS LTD.

CSA-F280-12
PACKAGE A1

HVAC LEGEND								3.		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
	SUPPLY AIR GRILLE 6" BOOT		SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE		RETURN AIR STACK 2nd FLOOR	No.	Description	Date
	SUPPLY AIR BOOT ABOVE		6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE		REDUCER	REVISIONS		

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GOLD PARK HOMES			SECOND FLOOR HEATING LAYOUT	
Project Name			Date	APR/2021
PINE VALLEY DRIVE VAUGHAN, ONTARIO			Scale	3/16" = 1'-0"
3105			BCIN# 19669	
1765 sqft			LO#	90636