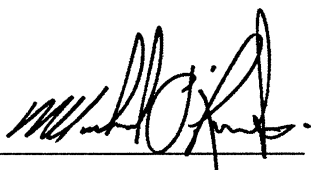


Schedule 1: Designer Information

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	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 ☒ HVAC – House ☐ Building Structural ☐ Small Buildings ☐ Building Services ☐ Plumbing – House ☐ Large Buildings ☐ Detection, Lighting and Power ☐ Plumbing – All Buildings ☐ Complex Buildings ☐ Fire Protection ☐ 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: 25-8 CNR Project: KLEINBURG GLEN	
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.			
<u>January 13, 2016</u> Date		 Signature of Designer	

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.

SITE NAME: KLEINBURG GLEN CORNER DATE: Jan-16 WINTER NATURAL AIR CHANGE RATE 0.322 HEAT LOSS ΔT °F: 76 CSA-F280-12
BUILDER: GOLD PARK HOMES TYPE: 26-8 LO# 66863 SUMMER NATURAL AIR CHANGE RATE 0.098 HEAT GAIN ΔT °F: 15 SB-12 PACKAGE J

ROOM USE	EXP. WALL CLG. HT.	MBR	ENS	WIC	BED-2	BED-3	DATE: Jan-16 LO# 66863	WINTER NATURAL AIR CHANGE RATE 0.322	HEAT LOSS ΔT °F: 76	CSA-F280-12
GRS.WALL AREA	316	207	72	270	225	171				
GLAZING	LOSS GAIN	LOSS GAIN	LOSS GAIN	LOSS GAIN	LOSS GAIN	LOSS GAIN				
NORTH	24.1 16.8	0 0 0	0 0 0	0 0 0	0 0 0	13 313 218				
EAST	24.1 41.6	22 530 916	0 0 0	0 0 0	0 0 0	0 0 0				
SOUTH	24.1 25.5	0 0 0	9 217 229	10 241 255	24 578 611	20 482 509				
WEST	24.1 41.6	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
SKYLT.	24.1 87.8	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
DOORS	25.2 6.0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
NET EXPOSED WALL	3.5 0.7	291 1005 198	176 608 120	62 214 42	246 850 168	205 708 140				
NET EXPOSED B SMT WALL ABOVE GR	6.3 1.3	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
EXPOSED CLG	1.5 0.7	276 420 204	92 140 68	56 86 41	264 401 195	154 234 114				
NO A TTIC EXPOSED CLG	2.5 1.2	0 0 0	20 49 24	0 0 36	88 43 0	66 169 78				
EXPOSED FLOOR	2.5 0.5	0 0 0	0 0 0	0 0 0	22 54 11	154 378 75				
BASEMENT/CRAWL HEAT LOSS	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
SLAB ON GRADE HEAT LOSS	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
SUBTOTAL HT LOSS	2003	1544	1357	540	1972	1802				
SUB TOTAL HT GAIN	1402	0.20 0.21	0.20 0.21	0.20 0.21	0.20 0.21	0.20 0.21				
LEVEL FACTOR / MUL TIPLIER	419	323	113	413	377	371				
AIR CHANGE HEAT LOSS	57	0	0	0	218	41				
AIR CHANGE HEAT GAIN	0	0	0	0	206	106				
DUCT LOSS	0	0	0	0	240	0				
DUCT GAIN	614	0	0	0	614	0				
HEAT GAIN PEOPLE	2	480	0	0	1	0				
HEAT GAIN APPLIANCES/LIGHTS	2422	1867	653	2623	2397	2358				
TO TAL HT LOSS BTU/H	3319	1867	653	2623	2397	2358				
TOTAL HT GAIN x 1.3 BTU/H						1516				

ROOM USE	EXP. WALL CLG. HT.	PAR	KTGR	LAUN	WR	FOY	DATE: Jan-16 LO# 66863	WINTER NATURAL AIR CHANGE RATE 0.322	HEAT LOSS ΔT °F: 76	CSA-F280-12
GRS.WALL AREA	360	360	780	234	180	360				
GLAZING	LOSS GAIN	LOSS GAIN	LOSS GAIN	LOSS GAIN	LOSS GAIN	LOSS GAIN				
NORTH	24.1 16.8	15 361 252	14 337 235	6 145 101	0 0 0	0 0 0				
EAST	24.1 41.6	0 0 0	83 2000 3456	0 0 0	0 0 0	0 0 0				
SOUTH	24.1 25.5	15 361 382	70 1687 1782	7 169 178	0 0 0	26 626 662				
WEST	24.1 41.6	24 578 999	0 0 0	20 482 833	0 0 0	0 0 0				
SKYLT.	24.1 87.8	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
DOORS	25.2 6.0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
NET EXPOSED WALL	3.5 0.7	306 1057 209	613 2118 418	201 694 137	180 563 109	314 1085 214				
NET EXPOSED B SMT WALL ABOVE GR	6.3 1.3	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
EXPOSED CLG	1.5 0.7	20 30 15	0 0 0	76 116 56	0 0 0	0 0 0				
NO A TTIC EXPOSED CLG	2.5 1.2	0 0 0	14 34 17	32 78 38	0 0 0	0 0 0				
EXPOSED FLOOR	2.5 0.5	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
BASEMENT/CRAWL HEAT LOSS	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
SLAB ON GRADE HEAT LOSS	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0				
SUBTOTAL HT LOSS	2389	6175	5908	1683	1068	2216				
SUB TOTAL HT GAIN	1867	0.30 0.30	0.30 0.30	0.20 0.21	0.30 0.30	0.30 0.30				
LEVEL FACTOR / MUL TIPLIER	717	1854	1854	352	317	665				
AIR CHANGE HEAT LOSS	75	0	0	0	0	40				
AIR CHANGE HEAT GAIN	0	0	0	0	0	0				
DUCT LOSS	0	0	0	0	0	0				
DUCT GAIN	0	0	0	0	0	0				
HEAT GAIN PEOPLE	240	0	0	0	0	0				
HEAT GAIN APPLIANCES/LIGHTS	3105	614	614	2036	1375	2881				
TO TAL HT LOSS BTU/H	3310	8029	8791	2615	282	1320				
TOTAL HT GAIN x 1.3 BTU/H						16521				

SITE NAME: KLEINBURG GLEN
BUILDER: GOLD PARK HOMES

CORNER
TYPE: 25-8

DATE: Jan-16

GFA:	1989	LO#	66863
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06863

	995	995					
	HEATING CFM	HEATING LOSS	COOLING CFM	COOLING CFM	TOTAL HEAT GAIN	TOTAL HEAT GAIN	Bas
		46.267					
	AIR FLOW RATE CFM	21.51	AIR FLOW RATE CFM	AIR FLOW RATE CFM	AIR FLOW RATE CFM	AIR FLOW RATE CFM	32.75
	RUN COUNT				1st	2nd	3rd
	S/A	0	0	0	7	7	4
	R/A	0	0	0	3	1	1

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

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

ROOM NAME	1	2	3	4	5	7	12	13	14	15	16	17	18	19	21	22	23	24
RM LOSS MBH	2.42	1.87	0.65	BED-2	BED-3	BATH	PAR	PAR	KT/GR	KT/GR	KT/GR	LAUN	W/R	FOY	BAS	BAS	BAS	BAS
CFM PER RUN HEAT	52	40	14	56	52	51	33	33	58	58	58	44	30	62	89	89	89	89
RM GAIN MBH	3.32	1.84	0.46	2.75	2.95	1.52	1.65	1.65	2.93	2.93	2.93	2.62	0.28	1.32	0.31	0.31	0.31	0.31
CFM PER RUN COOLING	109	60	15	90	97	50	54	54	96	96	96	86	9	43	10	10	10	10
ADJUSTED PRESSURE	0.15	0.17	0.17	0.16	0.16	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.16	0.16	0.16	0.16
ACTUAL DUCT LGH	37	39	29	35	57	43	49	48	19	30	16	67	32	23	20	16	24	47
EQUIVALENT LENGTH	150	120	150	180	120	120	140	110	90	100	160	150	150	150	110	90	140	130
TOTAL EFFECTIVE LENGTH	187	159	179	215	177	163	189	158	109	130	176	217	182	173	130	108	164	177
ADJUSTED PRESSURE	0.08	0.11	0.1	0.08	0.09	0.11	0.09	0.11	0.15	0.12	0.09	0.07	0.09	0.1	0.12	0.15	0.1	0.09
ROUND DUCT SIZE	6	5	4	6	6	4	5	4	5	5	6	6	4	5	5	5	5	6
HEATING VELOCITY (ft/min)	265	294	161	286	265	585	242	379	426	426	224	344	344	455	653	653	653	454
COOLING VELOCITY (ft/min)	556	441	172	459	465	574	396	620	705	705	489	438	103	316	73	73	51	54
OUTLET GRILL SIZE	4X10	3X10	3X10	4X10	4X10	3X10	3X10	3X10	3X10	3X10	4X10	4X10	3X10	3X10	3X10	3X10	3X10	4X10
TRUNK	B	B	B	D	D	D	C	C	A	A	B	C	D	D	A	B	D	C

[illegible]

SUPPLY AIR TRUNK SIZE					RETURN AIR TRUNK SIZE					VELOCITY (f/min)
TRUNK CFM	STATIC PRESS.	ROUND DUCT	RECT DUCT	VELOCITY (f/min)	TRUNK CFM	STATIC PRESS.	ROUND DUCT	RECT DUCT	VELOCITY (f/min)	RECT DUCT
TRUNK A	205	7	6	8						
TRUNK B	458	0.08	10.5	8	TRUNK G	0	0.00	0	8	0
TRUNK C	199	0.07	8	8	TRUNK H	0	0.00	0	0	0
TRUNK D	539	0.07	11.5	8	TRUNK I	0	0.00	0	0	0
TRUNK E	0	0.00	0	8	TRUNK J	0	0.00	0	0	0
TRUNK F	0	0.00	0	8	TRUNK K	0	0.00	0	0	0
				8	TRUNK L	0	0.00	0	0	0
				8					0	0
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TYPE: 25-8
SITE NAME: KLEINBURG GLEN

LO # 66863
CORNER

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	<u>2</u> @ 21.2 cfm	<u>42.4</u> cfm
Other Bedrooms	<u>2</u> @ 10.6 cfm	<u>21.2</u> cfm
Kitchen & Bathrooms	<u>4</u> @ 10.6 cfm	<u>42.4</u> cfm
Other Rooms	<u>2</u> @ 10.6 cfm	<u>21.2</u> cfm
Table 9.32.3.A.	TOTAL	<u>127.2</u> 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
More than 5 - Part 6	TOTAL	<u>63.6</u> cfm

SUPPLEMENTAL VENTILATION CAPACITY		9.32.3.5.
Total Ventilation Capacity	<u>127.2</u>	cfm
Less Principal Ventil. Capacity	<u>77</u>	cfm
Required Supplemental Capacity	<u>50.2</u>	cfm

PRINCIPAL EXHAUST FAN CAPACITY	
Model: VANEE 40H+	Location: BSMT
<u>77.0</u> cfm	<u>3.0</u> sones
☒ HVI Approved	

PRINCIPAL EXHAUST HEAT LOSS CALCULATION				
CFM	ΔT °F	FACTOR	% LOSS	
77.0 CFM	X 76 F	X 1.08	X	0.34

SUPPLEMENTAL FANS		NUTONE	
Location	Model	cfm	HVI
ENS	QTXEN050C	50	☒
BATH	QTXEN050C	50	☒
W/R	QTXEN050C	50	☒

HEAT RECOVERY VENTILATOR		9.32.3.11.
Model: VANEE 40H+		
<u>77</u> cfm high	<u>42</u> cfm low	
<u>66</u> % 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:	January-16

HEAT LOSS AND GAIN SUMMARY SHEET

MODEL: 25-8	CORNER	BUILDER: GOLD PARK HOMES
SFQT: 1989	LO# 66863	SITE: KLEINBURG GLEN

DESIGN ASSUMPTIONS

HEATING	°F	COOLING	°F
OUTDOOR DESIGN TEMP.	-4	OUTDOOR DESIGN TEMP.	88
INDOOR DESIGN TEMP.	72	INDOOR DESIGN TEMP. (MAX 75°F)	73

BUILDING DATA

ATTACHMENT:	DETACHED	# 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 (ft³):	27049.0	ASSUMED (Y/N):	Y
INTERNAL SHADING:	BLINDS/CURTAINS	ASSUMED OCCUPANTS:	4
INTERIOR LIGHTING LOAD (Btu/h/ft²):	1.27	DC BRUSHLESS MOTOR (Y/N):	Y
FOUNDATION CONFIGURATION	BCIN_1	DEPTH BELOW GRADE:	6.0 ft
LENGTH: 61.0 ft	WIDTH: 21.0 ft	EXPOSED PERIMETER:	164.0 ft

2012 OBC - COMPLIANCE PACKAGE

Component	Compliance Package
	J
Ceiling with Attic Space Minimum RSI (R)-Value	50
Ceiling Without Attic Space Minimum RSI (R)-Value	31
Exposed Floor Minimum RSI (R)-Value	31
Walls Above Grade Minimum RSI (R)-Value	22
Basement Walls Minimum RSI (R)-Value	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
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value	10
Windows and Sliding Glass Doors Maximum U-Value	1.8
Skylights Maximum U-Value	2.8
Space Heating Equipment Minimum AFUE	0.94
HRV Minimum Efficiency	60%
Domestic Hot Water Heater Minimum EF	0.67

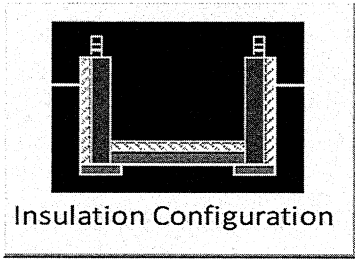
INDIVIDUAL BCIN: 19669

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):	18.6	 Insulation Configuration
Floor Width (m):	6.4	
Exposed Perimeter (m):	0	
Wall Height (m):	2.7	
Depth Below Grade (m):	1.8	
Window Area (m ²):	1.1	
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):	1960	

50

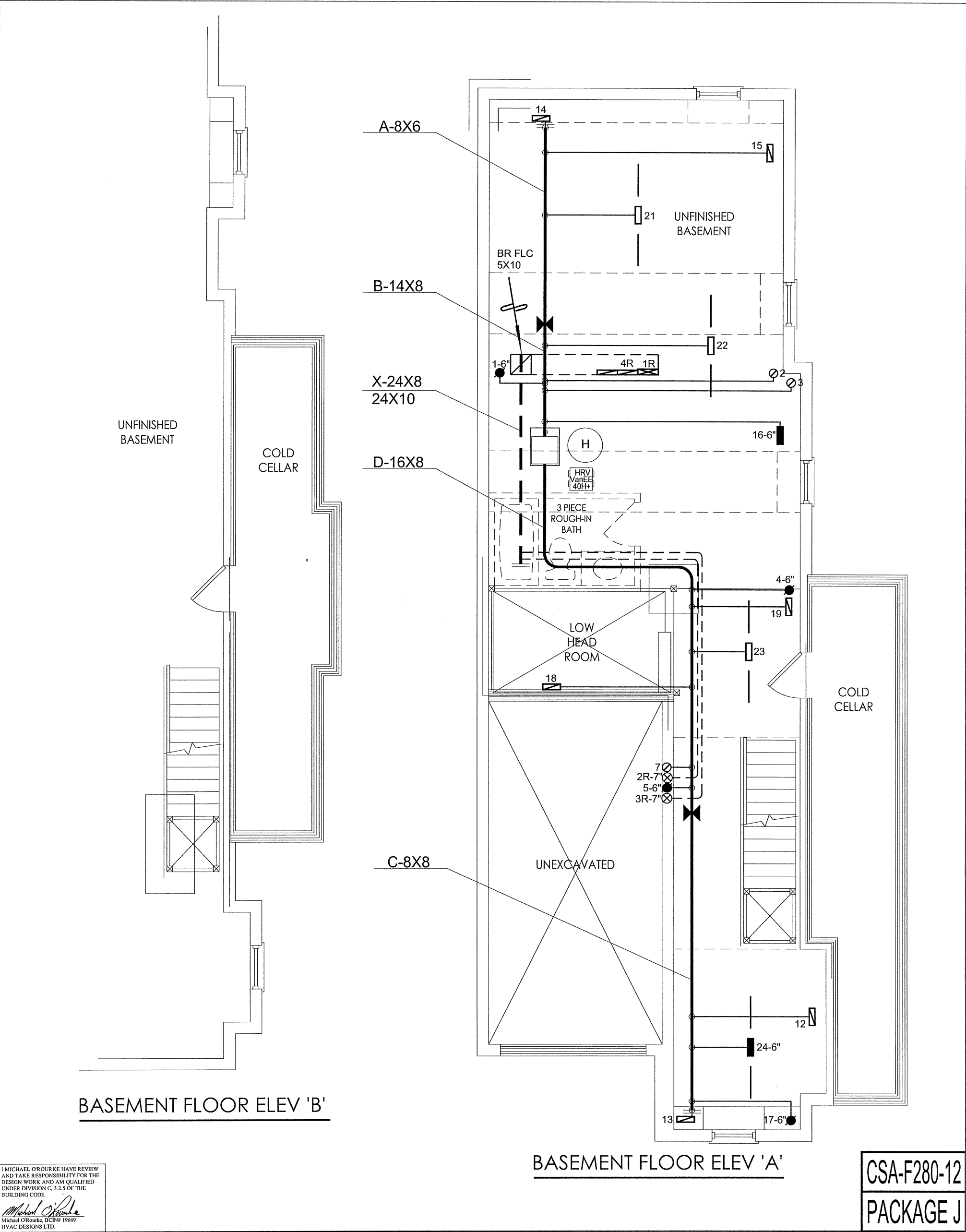
2.6 133.9

133.1

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):	6.71			
Building Configuration				
Type:	Detached			
Number of Stories:	Two			
Foundation:	Full			
House Volume (m ³):	765.9			
Air Leakage/Ventilation				
Air Tightness Type:	Present (1961-) (ACH=3.57)			
Custom BDT Data:	ELA @ 10 Pa. 716.42 cm ² 3.57 ACH @ 50 Pa			
Mechanical Ventilation (L/s):	Total Supply:		Total Exhaust:	
	0		0	
Flue Size				
Flue #:	#1	#2	#3	#4
Diameter (mm):	0	0	0	0
Natural Infiltration Rates				
Heating Air Change Rate (ACH/H):			0.322	
Cooling Air Change Rate (ACH/H):			0.098	



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.

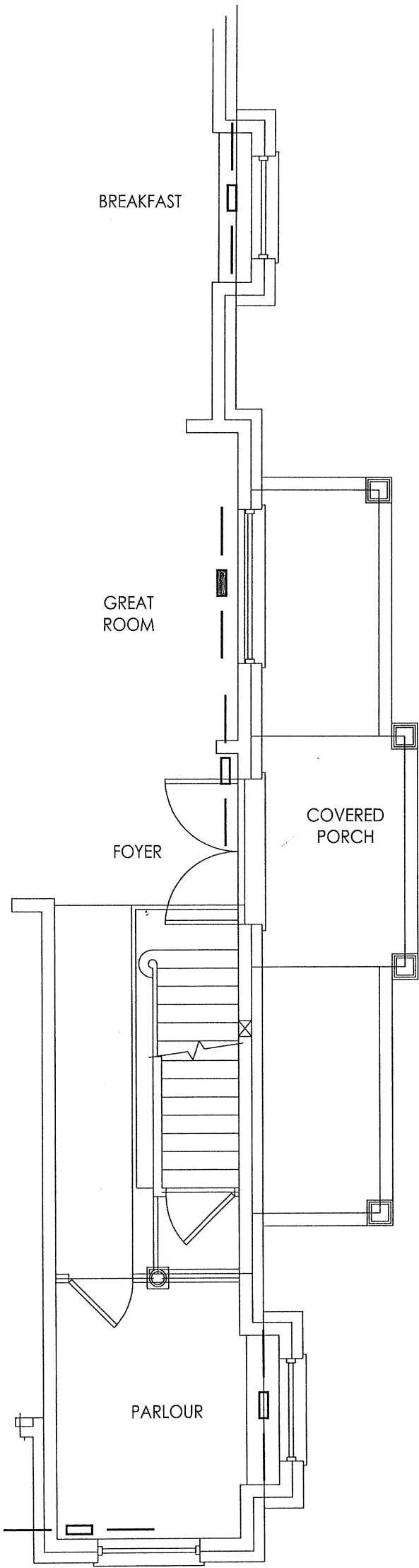
Michael O'Rourke
Michael O'Rourke, BCIN# 19669
HVAC DESIGNS LTD.

CSA-F280-12
PACKAGE J

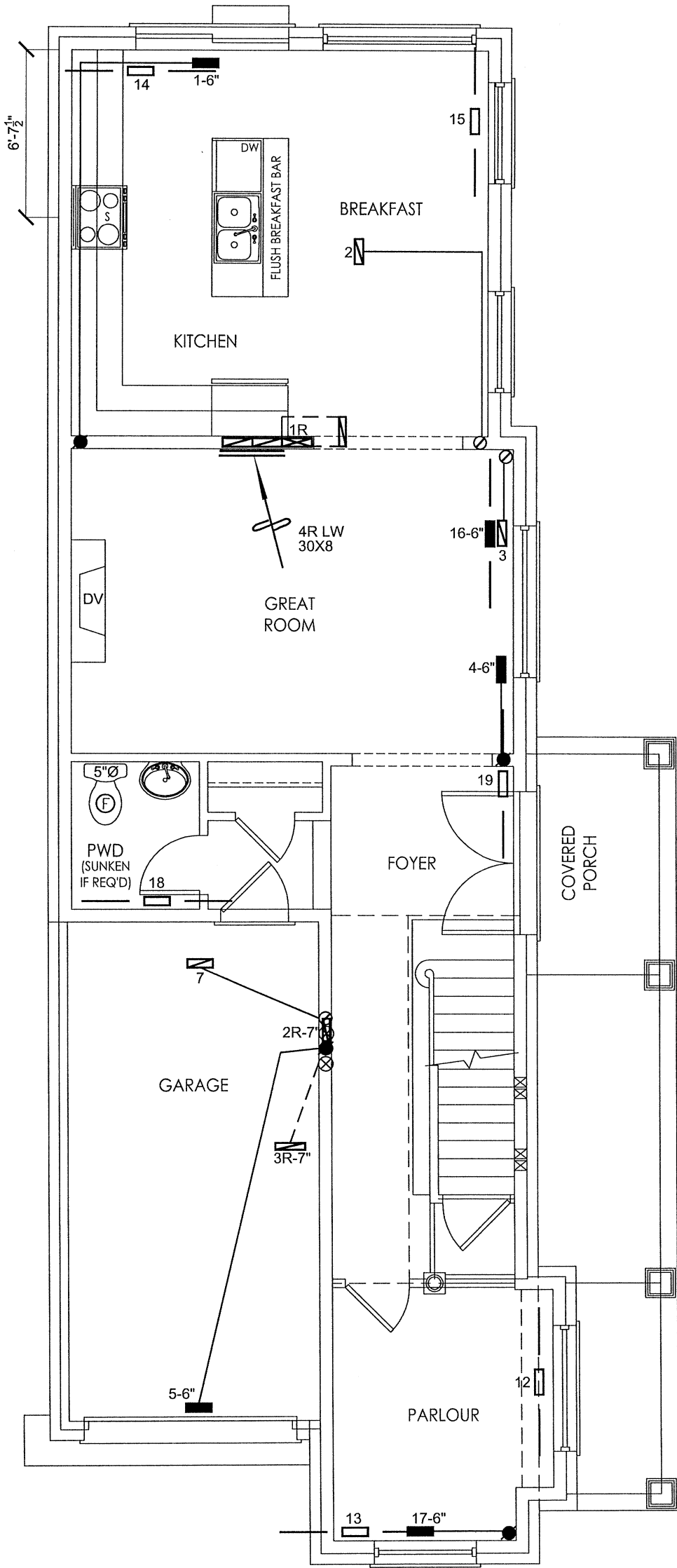
HVAC LEGEND								3.		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	FLOOR SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
	FLOOR SUPPLY AIR GRILLE 6" BOOT		SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE		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			MAKE LENNOX	3RD FLOOR				BASEMENT HEATING LAYOUT	
Project Name			MODEL EL195UH070XE36B	2ND FLOOR	7	3	2		
KLEINBURG GLEN VAUGHAN, ONTARIO			INPUT 66 MBTU/H	1ST FLOOR	7	1	2		
25-8 CORNER			OUTPUT 63 MBTU/H	BASEMENT	4	1	0	Date	JAN/2016
1989 sqft		COOLING 2.5 TONS	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	3/16" = 1'-0"	
		FAN SPEED 995 cfm @ 0.5" w.c.					BCIN# 19669		
							LO#	66863	



GROUND FLOOR ELEV 'B'



GROUND FLOOR ELEV 'A'

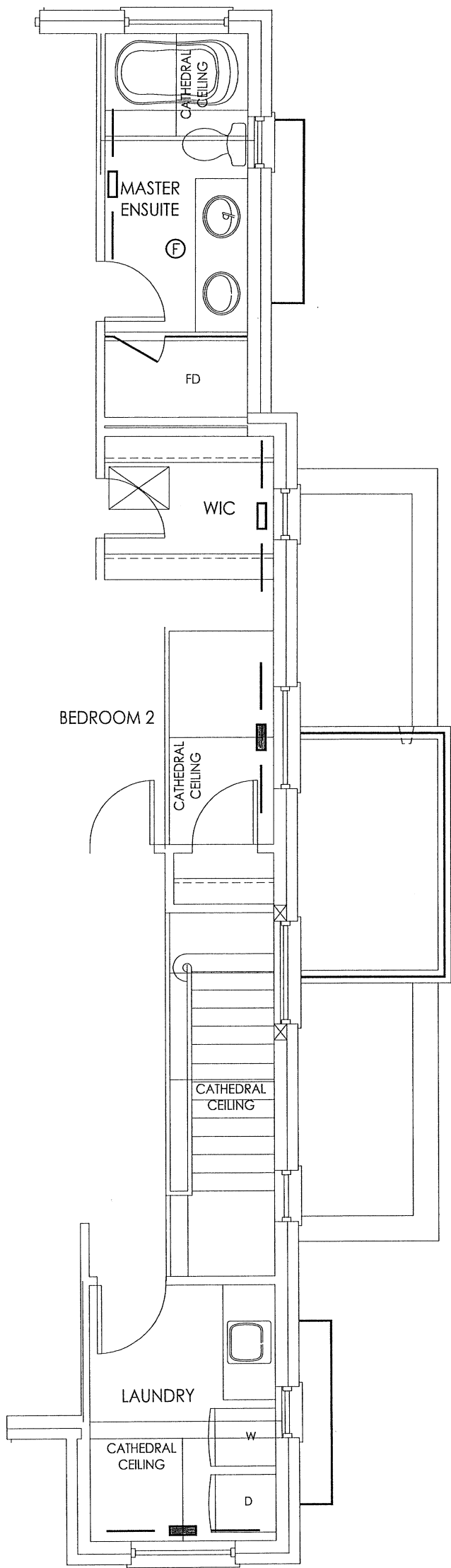
I MICHAEL O'ROURKE HAVE REVIEW
AND TAKE RESPONSIBILITY FOR THE
DESIGN WORK AND AM QUALIFIED
UNDER DIVISION C, 3.2.5 OF THE
BUILDING CODE.
Michael O'Rourke
Michael O'Rourke, BCIN# 19669
HVAC DESIGNS LTD.

CSA-F280-12
PACKAGE J

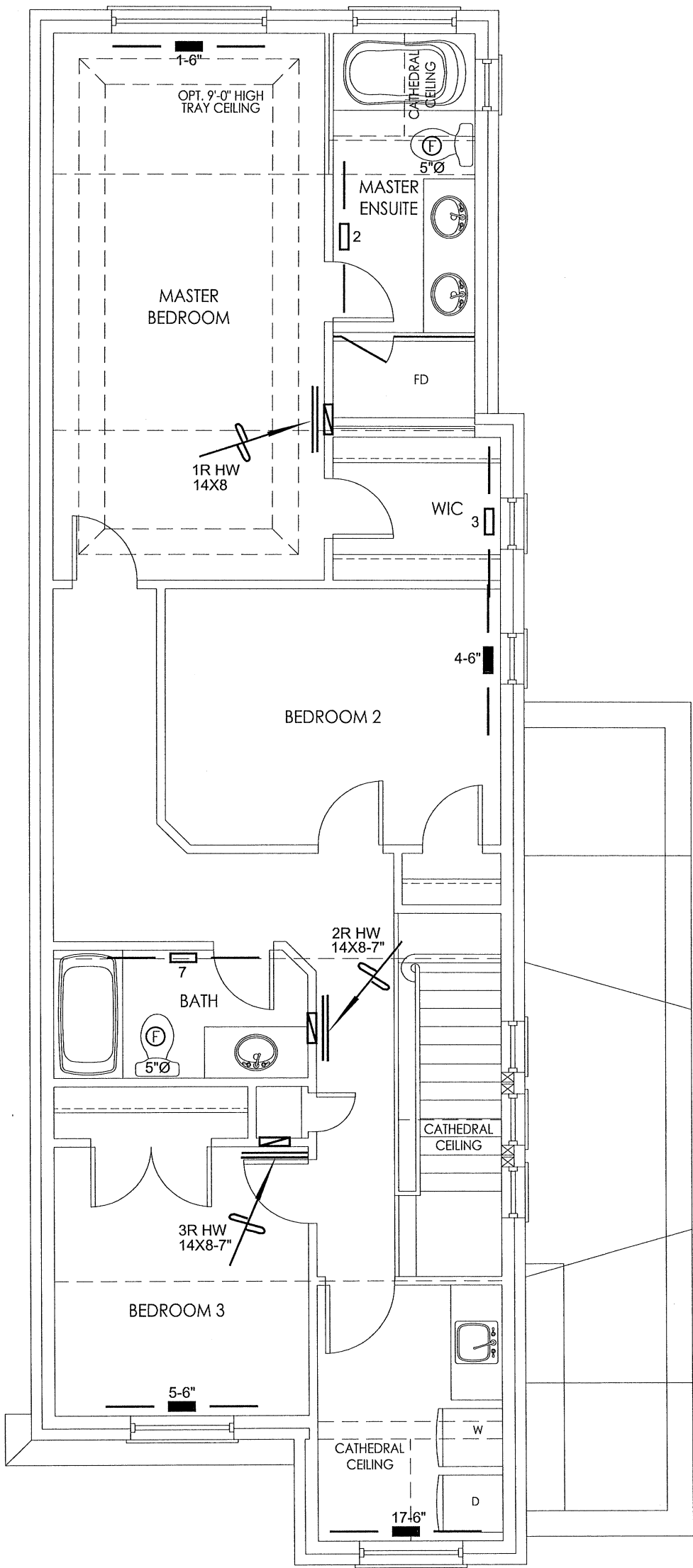
HVAC LEGEND								3.		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	FLOOR SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
	FLOOR SUPPLY AIR GRILLE 6" BOOT		SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE		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			FIRST FLOOR HEATING LAYOUT	
Project Name			Date	JAN/2016
KLEINBURG GLEN VAUGHAN, ONTARIO			Scale	3/16" = 1'-0"
25-8 CORNER			BCIN# 19669	
1989 sqft	LO# 66863			



SECOND FLOOR ELEV 'B'



SECOND FLOOR ELEV 'A'

I MICHAEL O'ROURKE HAVE REVIEW
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CSA-F280-12
PACKAGE J

HVAC LEGEND								3.		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	FLOOR SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
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GOLD PARK HOMES			SECOND FLOOR HEATING LAYOUT	
Project Name KLEINBURG GLEN VAUGHAN, ONTARIO			Date	JAN/2016
25-8 CORNER1989 sqft		Scale	3/16" = 1'-0"	
		BCIN# 19669		
		LO#	66863	