FOUNDATION WALLS WITH ENGINEEED JOISTS OVER 16' SPANS 24"x8" CONCRETE STRIP FOOTINGS BELOW FOUNDATION WALLS.

#### FOOTINGS ON ENGINEERED FILL

4"x6" CONCRETE STRIP FOOTINGS WITH REINFORCING

BELOW EXTERIOR WALLS.

30"x8" CONCRETE STRIP FOOTINGS WITH REINFORCING

BELOW PARTY WALLS.

(REFER TO FOOTING DETAILS ON ENGINEERED FILL)

ASSUME THE LARGER FOOTING SIZE

WHEN TWO CONDITIONS APPLY

ASSUMED 120 KPa (18 p.s.1.) SOIL BEARING CAPACITY OR 90 KPa ENGINEERED SOIL FILL, TO BE VERIFIED ON SITE.

90 KPa ENGINEERED FILL SOIL

#### PAD FOOTINGS

120 KPa NATIVE SOIL

FI = 42"x42"xi8" CONCRETE PAD F2 = 36"x36"xi6" CONCRETE PAD F3 = 30"x30"xi2" CONCRETE PAD F4 = 24"x24"xi2" CONCRETE PAD

FI = 48"x48"x20" CONCRETE PAD F2 = 40"x40"x16" CONCRETE PAD F3 = 34"x34"x14" CONCRETE PAD F4 = 28"x28"x12" CONCRETE PAD F5 = 18"x18"x8" CONCRETE PAD F5 = 16"x16"x8" CONCRETE PAD

(REFER TO FLOOR PLAN FOR UNUSUAL SIZE PADS NOT ON CHART)

### BRICK VENEER LINTELS

 $\begin{array}{lll} \text{MLI} &=& 3 - 1/2 \text{"x3} - 1/2 \text{"x1/4"L (90x90x6.0L)} + 2 - 2 \text{"x8" SPR. No.2} \\ \text{ML2} &=& 4 \text{"x3} - 1/2 \text{"x5/16"L (100x90x6.0L)} + 2 - 2 \text{"x6" SPR. No.2} \\ \text{ML3} &=& 5 \text{"x3} - 1/2 \text{"x5/16"L (125x90x6.0L)} + 2 - 2 \text{"x10" SPR. No.2} \\ \text{ML4} &=& 6 \text{"x3} - 1/2 \text{"x3/6"L (150x90x10.0L)} + 2 - 2 \text{"x12" SPR. No.2} \\ \text{ML5} &=& 6 \text{"x4" x3/6"L (150x100x10.0L)} + 2 - 2 \text{"x12" SPR. No.2} \\ \text{ML5} &=& 6 \text{"x4" x3/6"L (150x100x10.0L)} + 2 - 2 \text{"x12" SPR. No.2} \\ \end{array}$ ML6 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 2-2"x12" SPR. No.2 ML7 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 3-2"x10" SPR. No.2 ML8 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 3-2"x12" SPR. No.2 WL9 = 6"x4"x3/8"L (150x100x10.0L) + 3-2"x12" SPR. No.2

### LINTELS AND BEAMS

WBI = 2-2"x8" SPR. No.2 (2-38x184 SPR. No.2) MB2 = 3-2"x8" SPR. No.2 (3-38x184 SPR. No.2)
MB3 = 2-2"x10" SPR. No.2 (3-38x235 SPR. No.2)
MB4 = 3-2"x10" SPR. No.2 (3-38x235 SPR. No.2)
MB5 = 2-2"x12" SPR. No.2 (3-38x286 SPR. No.2)
MB6 = 3-2"x12" SPR. No.2 (3-38x286 SPR. No.2)
MB7 = 5-2"x12" SPR. No.2 (3-38x286 SPR. No.2)
MB88 = 4-2"x10" SPR. No.2 (4-38x286 SPR. No.2)
MB1 = 4-2"x10" SPR. No.2 (4-38x286 SPR. No.2) WB12 = 4-2"x12" SPR, No.2 (4-38x286 SPR, No.2)

### LAMINATED VENEER LUMBER (LVL) BEAMS

LYLIA = I-I 3/4" x 7 I/4" (I-45xl84) LYLI = 2-I 3/4" x 7 I/4" (2-45xl84) LYL2 = 3-I 3/4" x 7 I/4" (3-45xl84) LYL3 = 4-I 3/4" x 7 I/4" (4-45xl84) LYL4A = I-I 3/4" x 9 I/2" (I-45x240) LYL4 = 2-I 3/4" x 9 I/2" (3-45x240) LYL5 = 3-I 3/4" x 9 I/2" (3-45x240) LYL5 = 3-I 3/4" x 9 I/2" (3-45x240) LVL5 = 3-1 3/4" x 9 1/2" (3-45x240) LVL5A = 4-1 3/4" x 9 1/2" (4-45x240) LVL6A = 1-1 3/4" x 11 7/8" (1-45x300) LVL6 = 2-1 3/4" x 11 7/8" (2-45x300) LVL7 = 3-1 3/4" x 11 7/8" (3-45x300) LVL7A = 4-1 3/4" x 11 7/8" (4-45x300) LVLB = 2-1 3/4" x 14" (2-45x356) LVLB = 3-1 3/4" x 14" (2-45x356) LVL9 = 3-1 3/4" x 14" (3-45x356)

LVL BEAMS SHALL BE VERSA-LAM 2.0E (Fb=2800psi MIN.) OR EQUIVALENT.

### LOOSE STEEL LINTELS

LI = 3-1/2"x3-1/2"x1/4"L (90x90x6.0L) L2 = 4"x3-1/2"x5/16"L (100x90x8.0L) L3 = 5"x3-1/2"x5/16"L (125x90x8.0L) L4 = 6"x3-1/2"x3/8"L (150x90x10.0L) L5 = 6"x4"x3/8"L (150x100x10.0L)

L6 = T"x4"x3/8"L (175x100x10.0L)

Do	DOOR SCHEDULE									
NOS.	MIDTH	HEIGHT 8'-9' CEILING	HEIGHT 10' OR MORE CEILING	TYPE						
- 10 2 3 4 5 6 7	2'-10" 2'-8" 2'-8" 2'-8" 2'-6" 2'-6" 2'-2" 1'-6"	6'-8" 6'-8" 6'-8" 6'-8" 6'-8" 6'-8" 6'-8"		INSULATED ENTRANCE DOOR INSULATED FRONT DOORS WOOD & GLASS DOOR EXTERIOR SLAB DOOR INTERIOR SLAB DOOR INTERIOR SLAB DOOR INTERIOR SLAB DOOR INTERIOR SLAB DOOR						

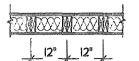
SPACE CONVENTIONAL FLOOR JOISTS @ 12" O.C. BELOW ALL CERAMIC TILE AREAS. PROVIDE I ROW BRIDGING FOR SPANS OF 5'-7', 2 ROWS FOR SPANS GREATER THAN 7'

REFER TO ROOF TRUSS SHOP DRAWINGS FOR ALL ROOF FRAMING INFORMATION

PLANS NOT DRAWN TO ACTUAL GRADE. REFER TO FINAL GRADING PLAN.

REFER TO FLOOR FRAMING SHOP DRAWINGS FOR ENGINEERED FRAMING LAYOUTS

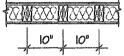
2-2"x6" STUD WALL NAILED TOGETHER AND SPACED 612" O.C. FULL HT C/M SOLID BLOCKING 4'-0" O.C. VERTICAL AND 7/16"



NOTE: MAXIMUM HEIGHT OF WALL FOR THIS DETAIL IS 18'-0"

TWO STORY HEIGHT WALL DETAIL

2 - 1 1/2" x 5 1/2" TIMBERSTRAND (LSL) 1.5E STUD WALL GLUED AND NAILED TOGETHER AND SPACED MAX. @10"O.C. FULL HT C/M SOLID BLOCKING MAX. &'-0"O.C. VERTICAL AND 1/16" EXT. OSB SHEATHING.



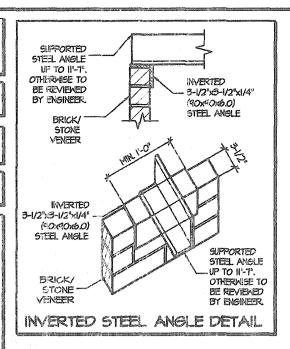
NOTE: MAXIMUM HEIGHT OF WALL FOR THIS DETAIL IS 20'-2" AND MAXIMUM WIDTH IS 40'-0"

# TWO STORY HEIGHT WALL DETAIL

ENVELOPE AND EQUIPMENT SHALL CONFORM TO THE

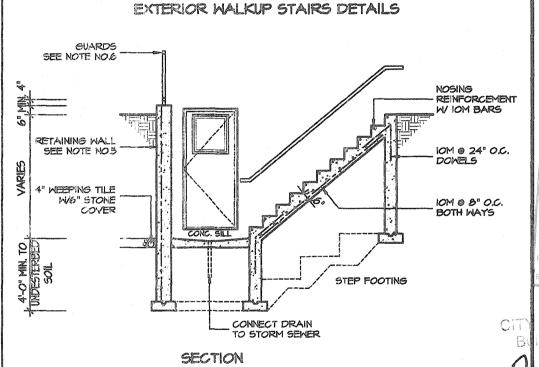
## COMPLIANCE PACKAGE "AI"

COMPLIANCE PACKAGE AT				
COMPONENT	NOTE			
CEILING WITH ATTIC SPACE	10.57			
MINIMUM RSI (R) VALUE	(R60)			
CEILING WITHOUT ATTIC SPACE	5.46			
MINIMUM RSI (R) VALUE	(R31)			
EXPOSE FLOOR	5.46			
MINIMUM RSI (R) VALUE	(R3I)			
WALLS ABOVE GRADE	3.87			
MINIMUM RSI (R) VALUE	(R22)			
Basiment Walls	3.52			
Minimum RSI (R) Value	(R20 BLANKET)			
HEATED SLAB OR SLAB \$ 600mm BELOW GRADE MINIMUM RSI (R) YALUE	1.76 (RIO)			
WINDOWS & SLIDING GLASS DOORS	ENERGY RATING = 25,			
MAXIMUM U-VALUE	MAX. U=0.28			
SPACE HEATING EQUIPMENT MINIMUM AFUE	96%			
HRV MINIMUM EFFICIENCY	15%			
HOT WATER TANK	MIN EF 0.80			



·				
AREA CALCULATIONS			ELE	Y. I
GROUND FLOOR AREA	85		1226	Sq. Ft
SECOND FLOOR AREA	88		1567	Sq. Ft
TOTAL FLOOR AREA	8		2193	Sq. Ft.
			259.48	Sq. M.
IST FLOOR OPEN AREA	22	0		Sq. Ft
2ND FLOOR OPEN AREA	2	10		Sq. Ft
ADD TOTAL OPEN AREAS	=		0	Sq. Ft
ADD FIN. BASEMENT AREA	23		0	Sq. Ft
GROSS FLOOR AREA	8		2803	5q. Ft.
			260.4	Sq. M.
GROUND FLOOR COVERAGE	苯		1226	Sq. Ft
GARAGE COVERAGE /AREA	#2		398	Sq. Ft
PORCH COVERAGE / AREA	22		64	Sq. Ft
TOTAL COVERAGE W PORCH	8		1688	Sq. Ft.
	æ		156.82	
TOTAL COVERAGE WO PORCH	233		1624	Sq. Ft.
	233		150.67	Są. m.

VALLEYCE	KEEK 4	ELEV.I COMPLIANCE PACKAGE "A			
ELEVATION	WALL FT <sup>2</sup>	WALL MT2	OPENING FT2	OPENING MT2	PERCENTAGE
FRONT	714.20	66.35	74.45	6.92	10.42 %
LEFT SIDE	1131.83	105,15	63.67	5.42	5.63 %
RIGHT SIDE	1109.33	103.06	55.33	5.14	4.99 %
REAR	679.56	63.13	166.61	15.48	2452 %
TOTAL	3634.92	331.10	360.06	33.45	9.91 %



GENERAL NOTES:

FOOTING

24"X3" POURED CONC. FOOTING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED GRANULAR FILL. CONCRETE

MINIMUM COMPRESSIVE STRENGTH OF 32 MPa (4650 psi) @ 28 DAYS W 5% TO 8% AIR ENTRAINMENT.

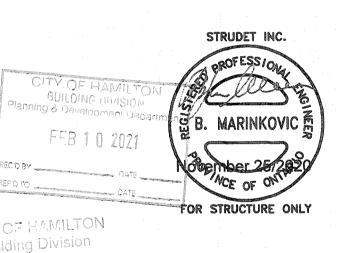
3. EXTERIOR STAIRS 7 7/8" RISE MAXIMUM

9 1/4" TREAD MINIMUM

FOR INSULATION VALUE & VAPOUR BARRIER LOCATION REFER TO NOTE IS OF STANDARD NOTES.

RETAINING WALL 10" POURED CONCRETE W/ NO REINFORCING REGUIRED FOR WALL HEIGHTS TO A MAX. OF 4'-7". PROVIDE ISM VERTICAL REINFORCEMENT @ 16" O.C. AND ISM HORIZONTAL REINFORCEMENT @ 24" O.C. FOR MALL HEIGHTS TO 7"-0". RETAINING WALL TO RESIST LATERAL DESIGN LOADS AS PER OBC DIVISION B SECTION 4.1.5.16

**GUARDS** 3'-6" HIGH WHERE DISTANCE FROM GRADE TO BOTTOM OF WALKOUT EXCEEDS 5'-11": 2'-11" FOR LESSER HEIGHTS. MAXIMUM 4" BETWEEN VERTICAL PICKETS.



107133 GS SHALL BE AVAILABLE ON SITE

Swelk

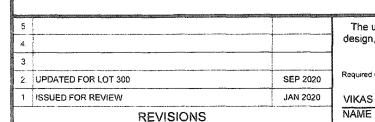
0

It is the builder's complete responsibility to ensure that all plane submitted for approve fully comply with the Architectural Guidelines and all applicable regulations end requirement including zoning provisions and any provision in the subdivision agreement. The Contro Architect is not responsible in any way for examining or approving site (lotting) plans a working drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot

This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the City of HAMILTON.

VALLEYCREEK 4-300

**COMPLIANCE PACKAGE "A1"** 



The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION

nder Division C. Subsection 3.2.5 of the building code 28770 VIKAS GAJJAR SIGNATURE BCIN

REGION DESIGN INC 8700 DUFFERIN S EGION CONCORD, ONTAR ESIGN L4K 4S P (416) 736-4096 F (905) 660-0746

3/16"=1'-0"

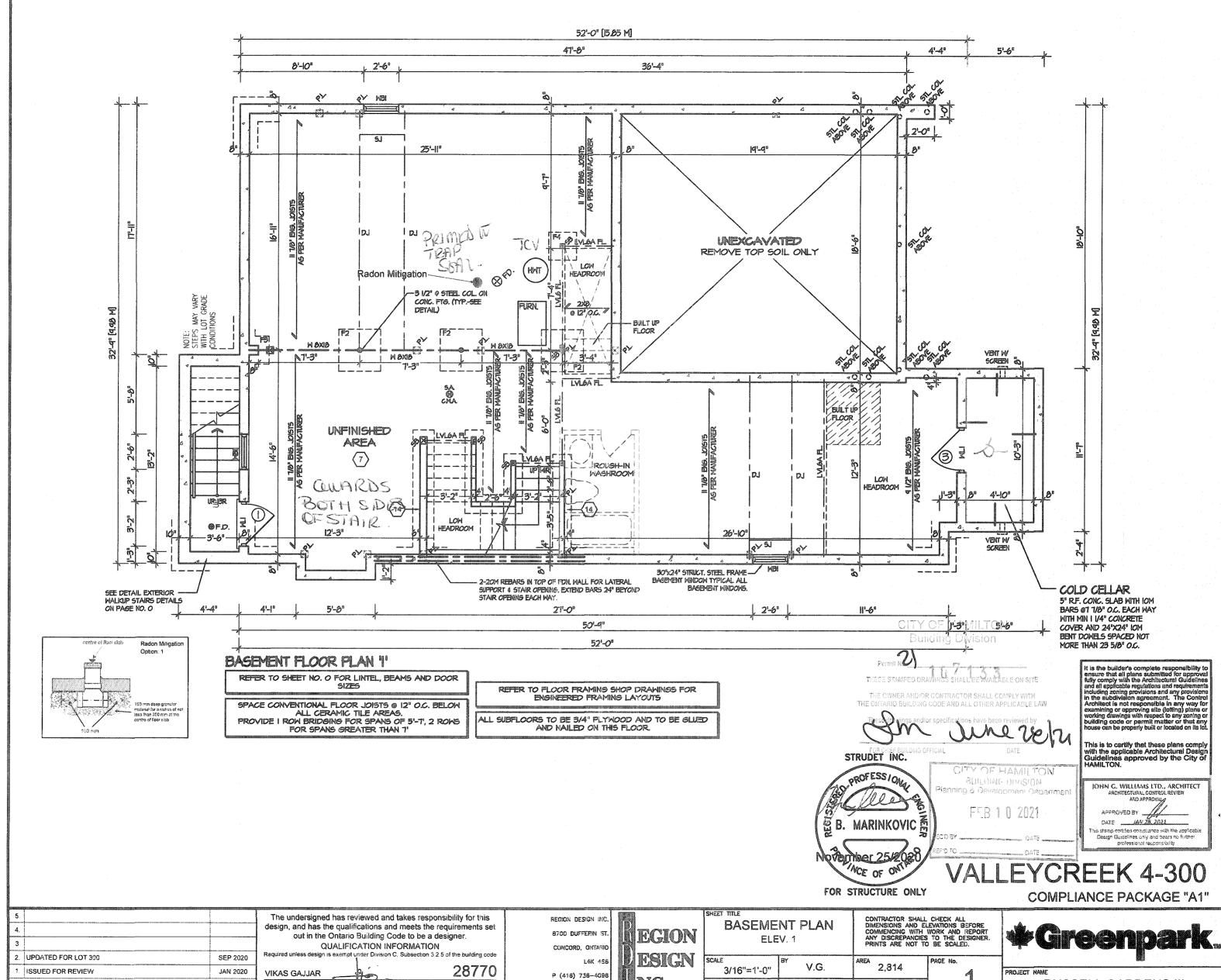
JAN 2020

CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER AREA CHARTS V.G. 2,814

ROJECT

Greenpark.

ROJECT NAME **RUSSELL GARDENS III** 



F (905) 660-074

NAME

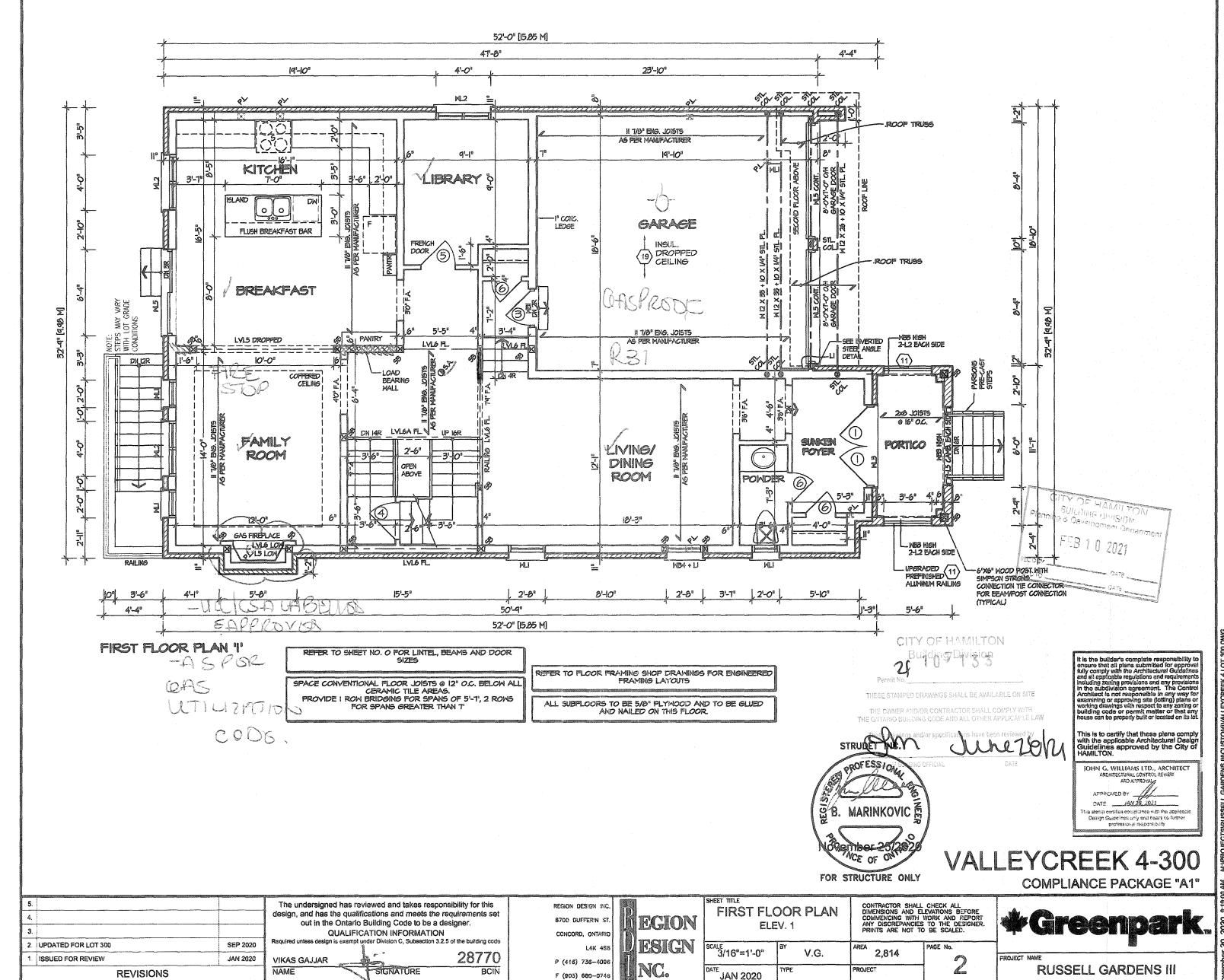
**REVISIONS** 

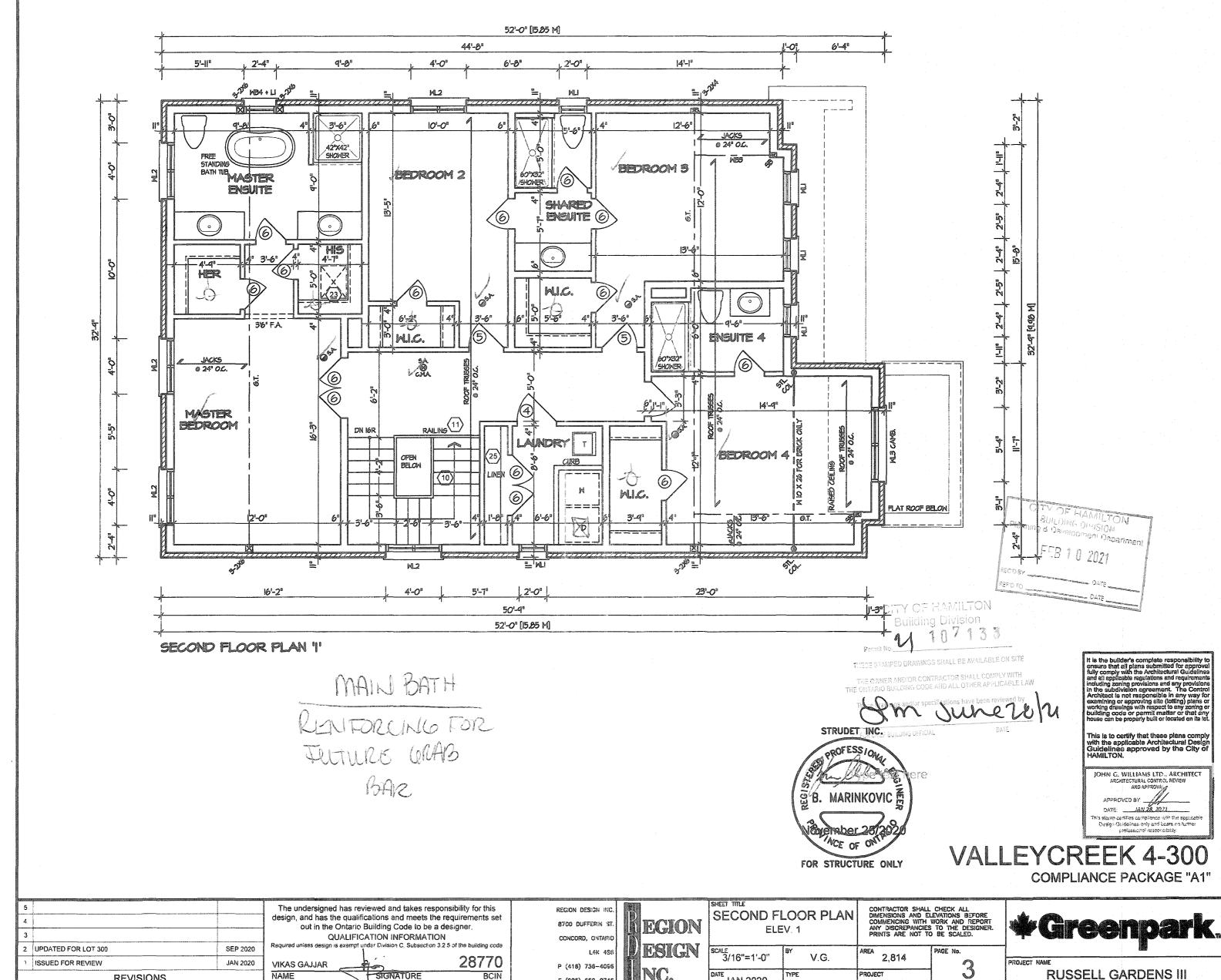
17, 2020 4:51:31 PM M:PROJECTS/RUSSELL GARDENS III/CUSTOM/VALLEYCREEK 4 L

**RUSSELL GARDENS III** 

ROJECT

JAN 2020



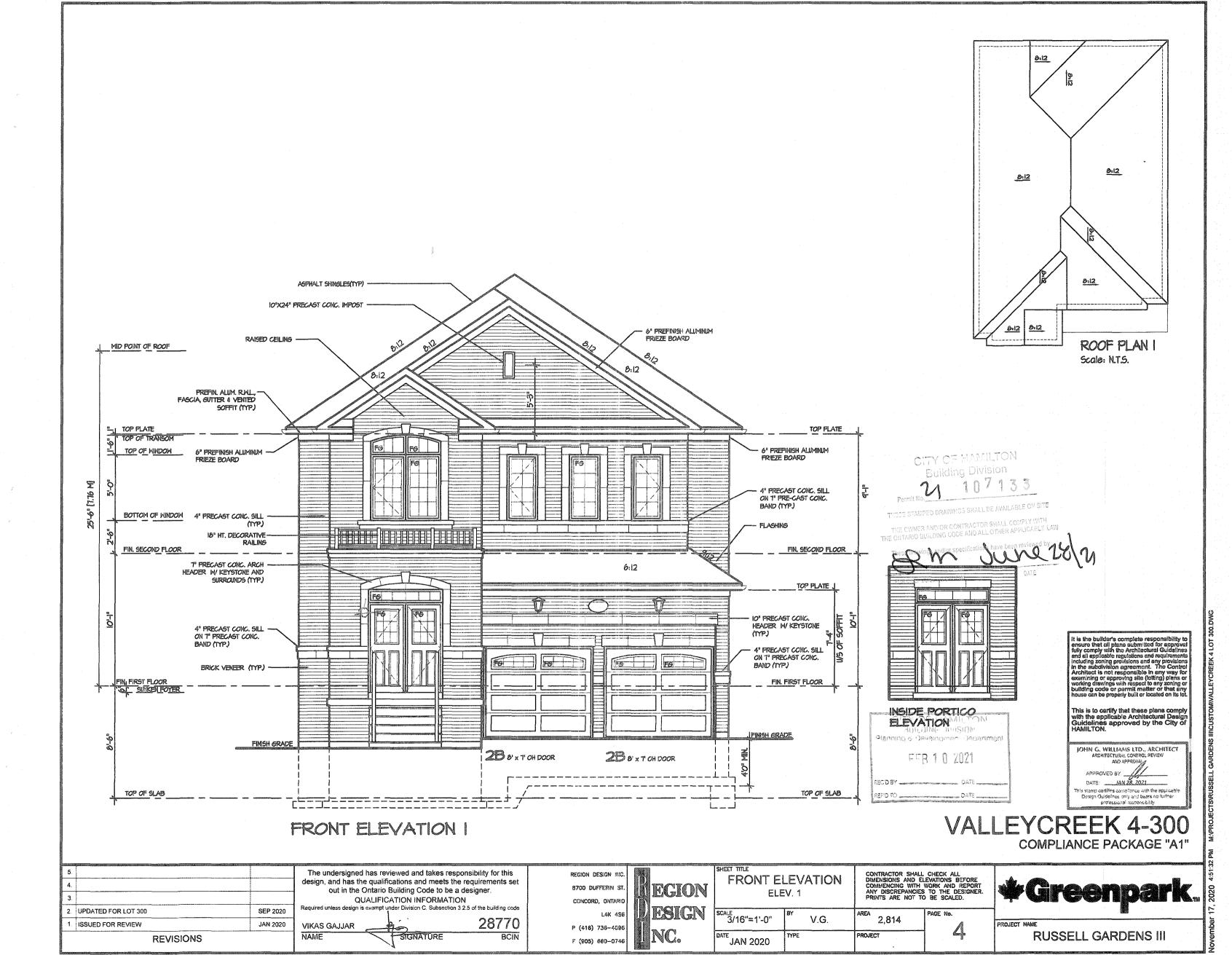


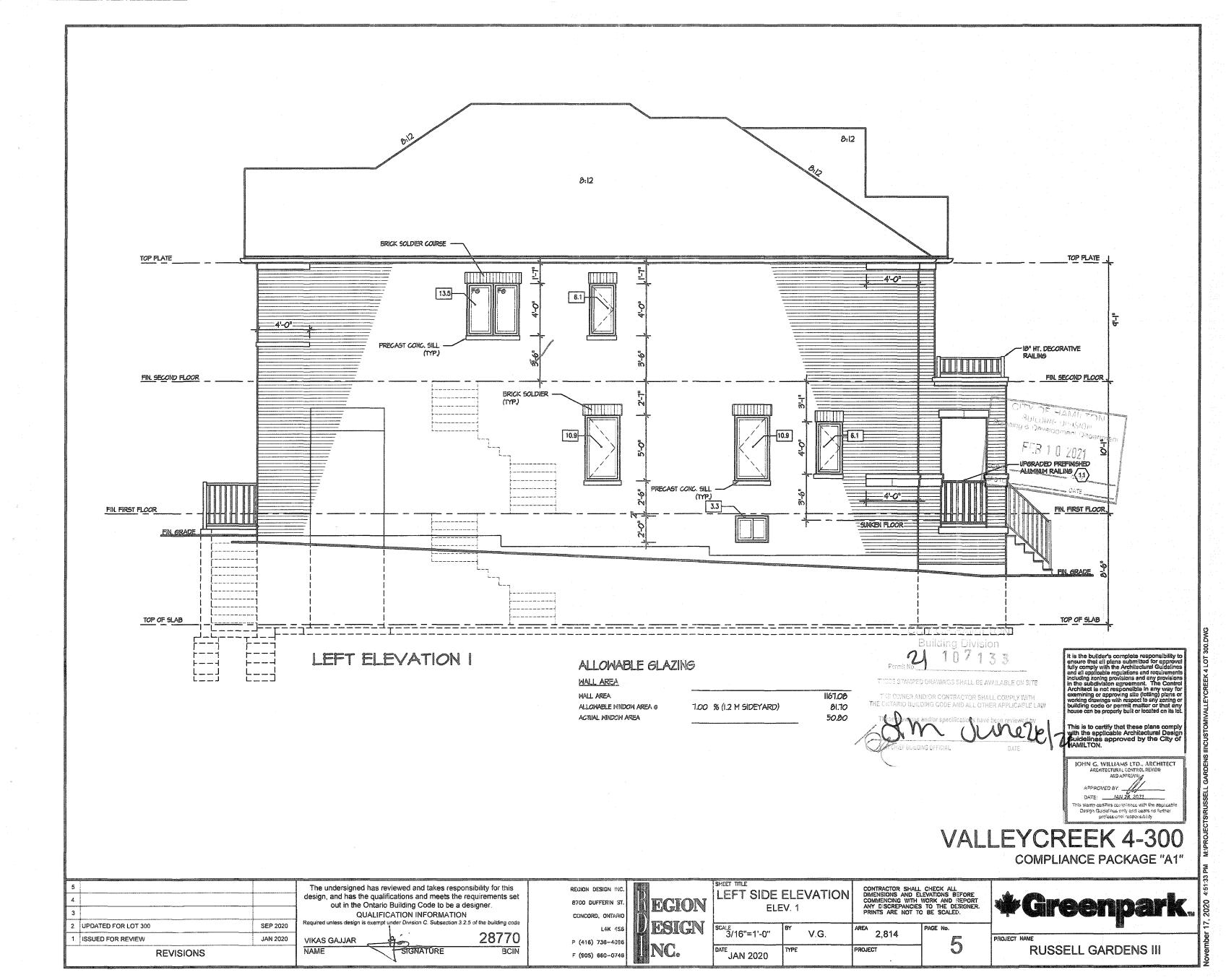
F (905) 660-0746

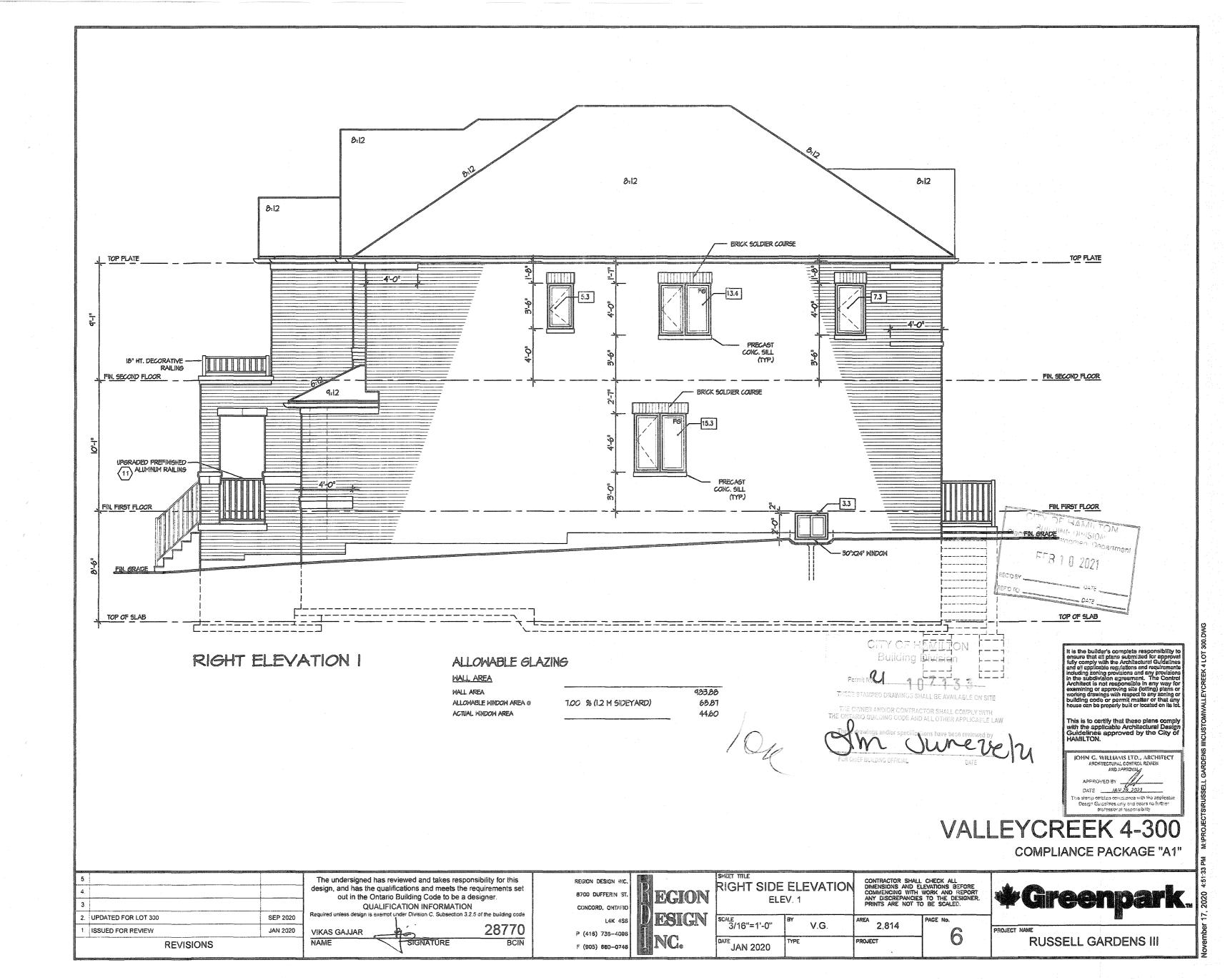
JAN 2020

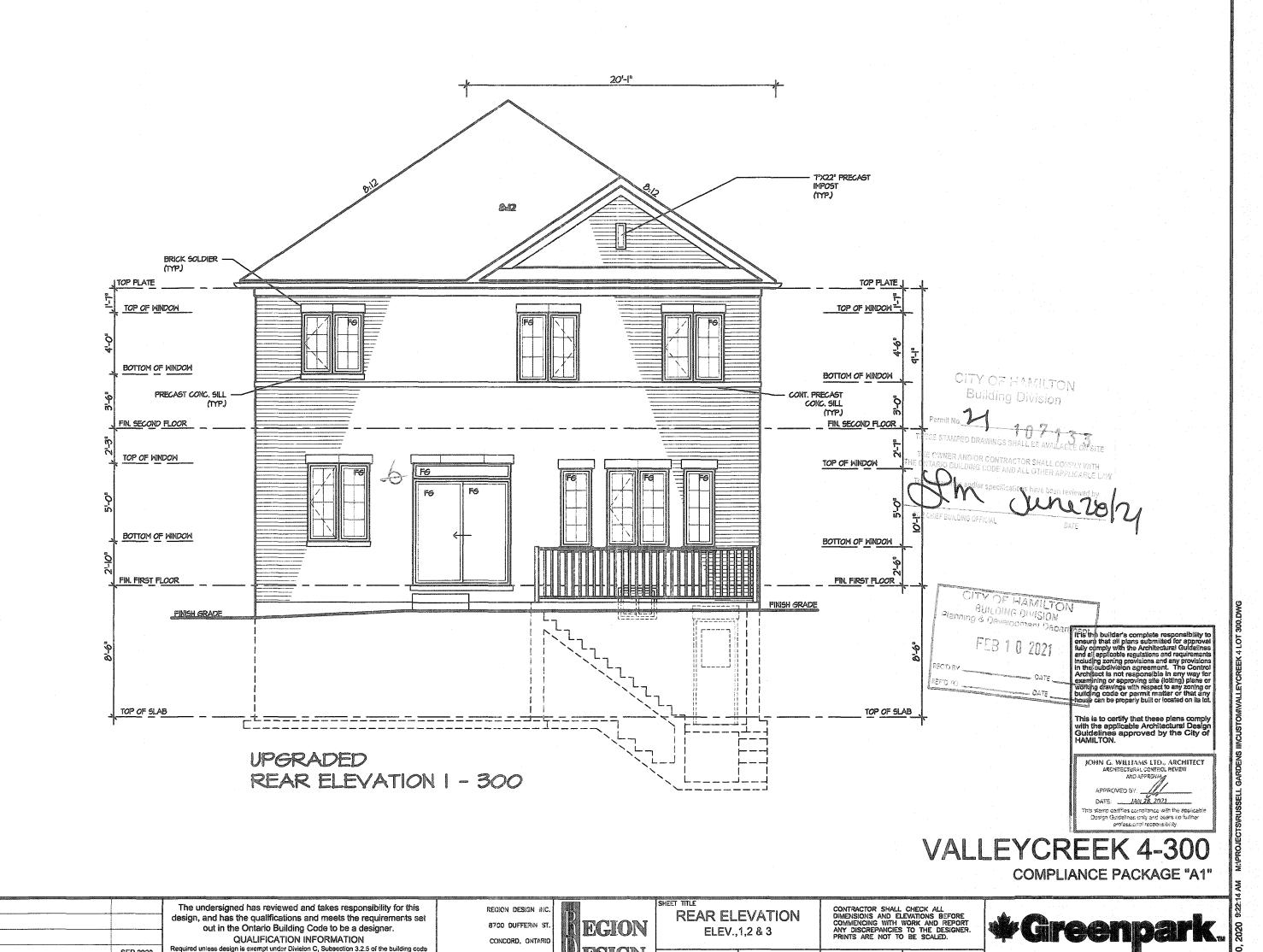
**REVISIONS** 

NAME









EGION

ESIGN

P (416) 736-4096

F (905) 660-0746

28770

2. UPDATED FOR LOT 300

1. ISSUED FOR REVIEW

**REVISIONS** 

SEP 2020

JAN 2020

VIKAS GAJJAR

NAME

ELEV.,1,2 & 3

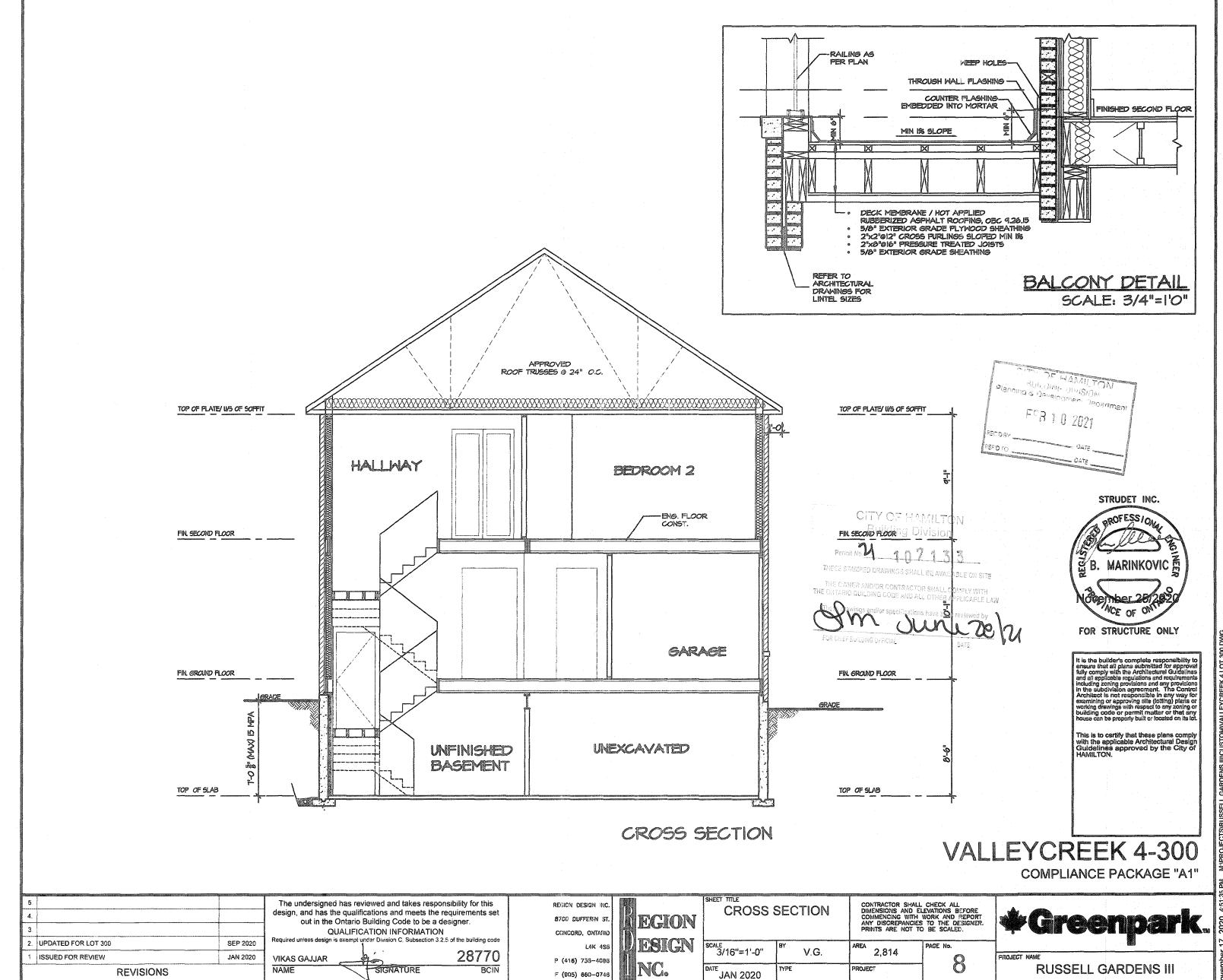
V.G.

2,814

**RUSSELL GARDENS III** 

ALE 3/16"=1'-0"

JAN 2020



I MAPROJECTSIRUSSELL GARDENS IINCUSTOMIVALLEYCREEK 4 LOT 300