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

FOOTINGS ON ENGINEERED FILL 24"x8" 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.i.) SOIL BEARING CAPACITY OR 90 KPa ENGINEERED SOIL FILL, TO BE VERIFIED ON SITE.

PAD FOOTINGS

120 KPa NATIVE SOIL

90 KPa ENGINEERED FILL SOIL

FI = 42"x42"x18" CONCRETE PAD F2 = 36"x36"x16" CONCRETE PAD F3 = 30"x30"x12" 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

F4 = 24"x24"xi2" CONCRETE PAD F5 = i6"xi6"x8" CONCRETE PAD (REFER TO FLOOR PLAN FOR UNUSUAL SIZE PADS NOT ON CHART)

BRICK VENEER LINTELS

 \overline{ML} 1 = 3-1/2"x3-1/2"x1/4"L (40x40x6.0L) + 2-2"x8" SPR. No.2 \overline{ML} 2 = 4"x3-1/2"x5/16"L (100x40x8.0L) + 2-2"x8" SPR. No.2 WL3 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 2-2"x10" SPR. No.2 ML4 = 6"x3-1/2"x3/8"L (150x90x10.0L) + 2-2"x12" SPR. No.2 ML5 = 6"x4"x3/8"L (150x100x10.0L) + 2-2"x12" SPR. No.2

ML6 = 6"x4"x3/6"L (150x100x10.0L) + 2-2"x12" 5PR. No.2 ML6 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 2-2"x12" 5PR. No.2 ML7 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 3-2"x10" 5PR. No.2 ML8 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 3-2"x12" 5PR. No.2 ML9 = 6"x4"x3/8"L (150x100x10.0L) + 3-2"x12" 5PR. No.2

LINTELS AND BEAMS

MBI = 2-2"x8" SPR. No.2 (2-38x184 SPR. No.2) MB2 = 3-2"x8" SPR. No.2 (3-38x184 SPR. No.2)

WB3 = 5-2"x10" SPR. No.2 (2-38x235 SPR. No.2)
WB3 = 2-2"x10" SPR. No.2 (2-38x235 SPR. No.2)
WB4 = 3-2"x10" SPR. No.2 (2-38x236 SPR. No.2)
WB5 = 2-2"x12" SPR. No.2 (2-38x286 SPR. No.2)
WB6 = 3-2"x12" SPR. No.2 (3-38x286 SPR. No.2)
WB7 = 5-2"x12" SPR. No.2 (5-38x286 SPR. No.2)
WB1 = 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

LVLIA = I-I 3/4" x 7 I/4" (I-45xl84) LVLI = 2-I 3/4" x 7 I/4" (2-45xl84) LVLI = 2-1 3/4" x 7 1/4" (2-45x164) LVL2 = 3-1 3/4" x 7 1/4" (3-45x164) LVL3 = 4-1 3/4" x 7 1/4" (4-45x164) LVL4A = 1-1 3/4" x 9 1/2" (1-45x240) 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 7/6" (1-45x300)

LVL6 = 2-1 3/4" x || 7/8" (2-45x300) LVL7 = 3-1 3/4" x || 7/8" (3-45x300) LVL7A = 4-1 3/4" x || 7/8" (4-45x300) LVL8 = 2-1 3/4" x || 4" (2-45x356) LVL8A = I-I 3/4" x I4" (I-45x356) LVL9 = I-I 3/4" x I4" (I-45x356)

LVL9A = 4-1 3/4" x 14" (4-45x356) LVL10 = 3-1 3/4" x 16" (3-45x406)

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

LODSE 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 = 7"x4"x3/8"L (175x100x10.0L)

DOOR SCHEDULE					
NOS.	MIDTH	HEIGHT 8'-9' CEILING	HEIGHT IO' OR MORE CEILING	TYPE	
1	2'-10"	6'-8"	8'-0"	INSULATED ENTRANCE DOOR	
la	2'-8"	6'-8"	8'-0"	INSULATED FRONT DOORS	
2	2'-8"	6'-8"	8'-0"	WOOD & GLASS DOOR	
3	2'-8"	6'-8"	8'-0"	EXTERIOR SLAB DOOR	
4	2'-8"	6'-8"	8'-0"	INTERIOR SLAB DOOR	
5	2'-6"	6'-8"	8'-0"	INTERIOR SLAB DOOR	
6	2'-2"	6'-8"	8'-0"	INTERIOR SLAB DOOR	
7	1'-6"	6'-8"	8'-0"	INTERIOR SLAB DOOR	

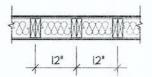
SPACE CONVENTIONAL FLOOR JOISTS @ 12" O.C. BELOW ALL CERAMIC TILE AREAS. PROVIDE I ROW BRIDGING FOR SPANS OF 5'-7', 2 ROWS FOR SPANS GREATER THAN T'

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

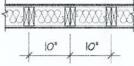
2-2"x6" STUD WALL NAILED TOGETHER AND SPACED @12" O.C. FULL HT C/W SOLID BLOCKING 4'-0" O.C. VERTICAL AND 7/16" EXT. PLYWOOD SHEATHING.



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/W SOLID BLOCKING MAX. 8'-0"O.C. VERTICAL AND 7/16" EXT. OSB SHEATHING.



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

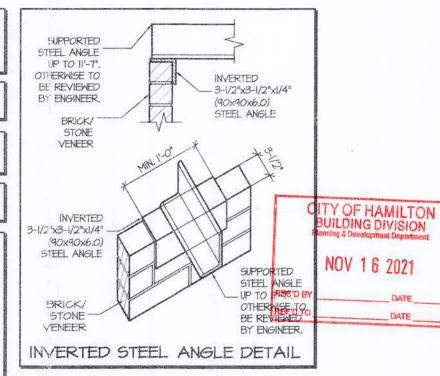
TWO STORY HEIGHT WALL DETAIL

THE MINIMUM THERMAL PERFORMANCE OF BUILDING ENVELOPE AND FOURMENT SHALL CONFORM TO THE FOLLOWING SP-12 COMPLIANCE PACKAGE AS PER OBC SUPPLEMENTARY STANDARD 58-12, SECTION 3.1.1.

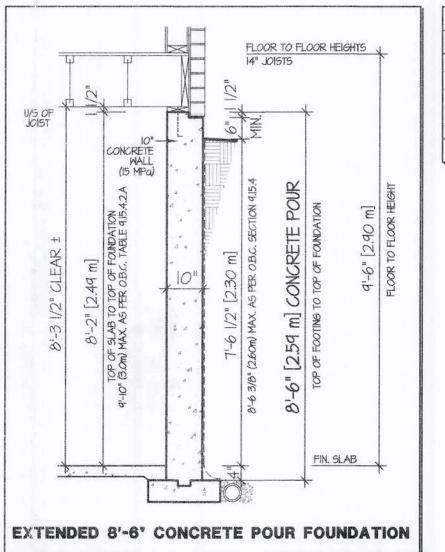
SB-12 COMPLIANCE PACKAGE "AI"

COMPONENT	Al	NOTES	
CEILING WITH ATTIC SPACE MINIMUM RSI (R) VALUE	10.57 (R60)	R20 AT INNER FACE OF EXTERIOR WALLS.	
CEILING WITHOUT ATTIC SPACE MINIMUM RSI (R) VALUE	5.46 (R3I)	BATT OR SPRAY	
EXPOSE FLOOR MINIMUM RSI (R) VALUE	5,46 (R3I)	BATT OR SPRAY	
WALLS ABOVE GRADE MINIMUM RSI (R) VALUE	3.87 (R22)	6" R22 BATT	
BASEMENT WALLS MINIMUM RSI (R) VALUE	3.52 (R20cl)	OPTION TO USE RIZ+RIOGI	
HEATED SLAB OR SLAB <u>(</u> 600mm BELOW GRADE MINIMUM RSI (R) VALUE	1.76 (RIO)	RIGID INSULATION	
WINDOWS & SLIDING GLASS DOORS MAXIMUM U-VALUE	028	ENERGY RATING = 25, MAX. U=0.28	
SPACE HEATING EQUIPMENT MINIMUM AFIJE	96%	NATURAL GAS	
HOT WATER HEATER MINIMUM EF	0.8	NATURAL GAS	
HRV MINIMUM EFFICIENCY	75%	**	
DRAIN WATER HEAT RECOVERY UNIT (DWHR)	MINIMUM I OR MAXIMUM 2 REGUIRED. DEPENDENT ON NUMBER OF SHOWERS INSTALLED, REFER TO SBI2-3.1.1.12 FOR INFORMATION		

ci - DENOTES CONTINUOUS INGULATION WITHOUT FRAMING INTERRUPTION



AREA CALCULATIONS		RH-	574
GROUND FLOOR AREA	=	1735	Sq. Ft.
SECOND FLOOR AREA	=	1155	Sq. Ft.
TOTAL FLOOR AREA	=	2890	Sq. Ft.
		268.49	Sq. M.
IST FLOOR OPEN AREA	=	0	Sq. Ft.
2ND FLOOR OPEN AREA	=	325	Sq. Ft.
ADD TOTAL OPEN AREAS	=	325	Sq. Ft.
ADD FIN. BASEMENT AREA	=	0	Sq. Ft.
GROSS FLOOR AREA	=	3215	Sq. Ft.
		298.68	Sq. M.
GROUND FLOOR COVERAGE	=	1735	Sq. Ft.
GARAGE COVERAGE /AREA	=	411	Sq. Ft.
PORCH COVERAGE / AREA	=	58	Sq. Ft.
TOTAL COVERAGE W/ PORCH	=	2204	Sq. Ft.
	=	204.76	Sq. m.
TOTAL COVERAGE WO PORCH	22	2146	Sq. Ft.
	=	199.37	5q. m.



RH-574		ELEV,I		COMPLAINCE PACKAGE 'AI'	
ELEVATION	WALL FT ²	WALL MT ²	OPENING FT ²	OPENING MT ²	PERCENTAGE
FRONT	875.13	81.30	106.28	9.87	12.14 %
LEFT SIDE	1216.30	113.00	52.58	4.88	4.32 %
RIGHT SIDE	1297.48	120.54	75.92	7.05	5.85 %
REAR	821.82	76.35	167.89	15.60	20.43 %
TOTAL	4210.73	391.19	402.67	37.41	9.56 %

CITY OF HAMILTON **Building Division** Permit No. 21 - 10197

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE

with the applicable Architectural Design Guidelines approved by the City of HAMILTON.



RH-574

COMPLIANCE PACKAGE "A1"

5.		V	The u		
4.			design,		
3.	ISSUED FINAL REFERENCE	AUG 2021			
2.	ISSUED FOR REVIEW	JUL 2021	Required u		
1.	ISSUED FOR DESIGN	JUN 2021	VIKAS		
	REVISIONS				

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

28770 VIKAS GAJJAR SIGNATURE

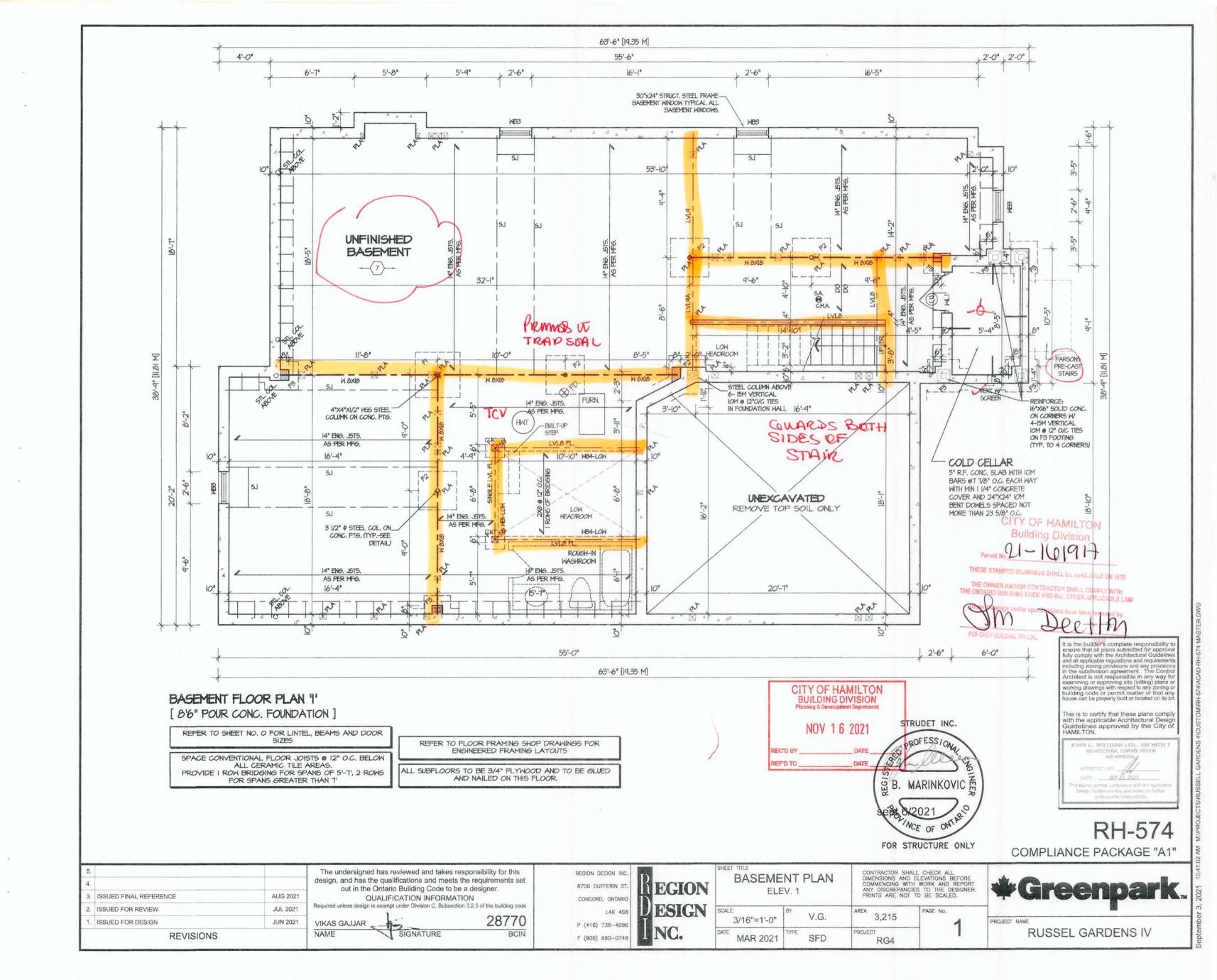
REGION DESIGN INC. 8700 DUFFERIN ST CONCORD, ONTARIO L4K 4S6 P (416) 736-4096 F (905) 660-0746

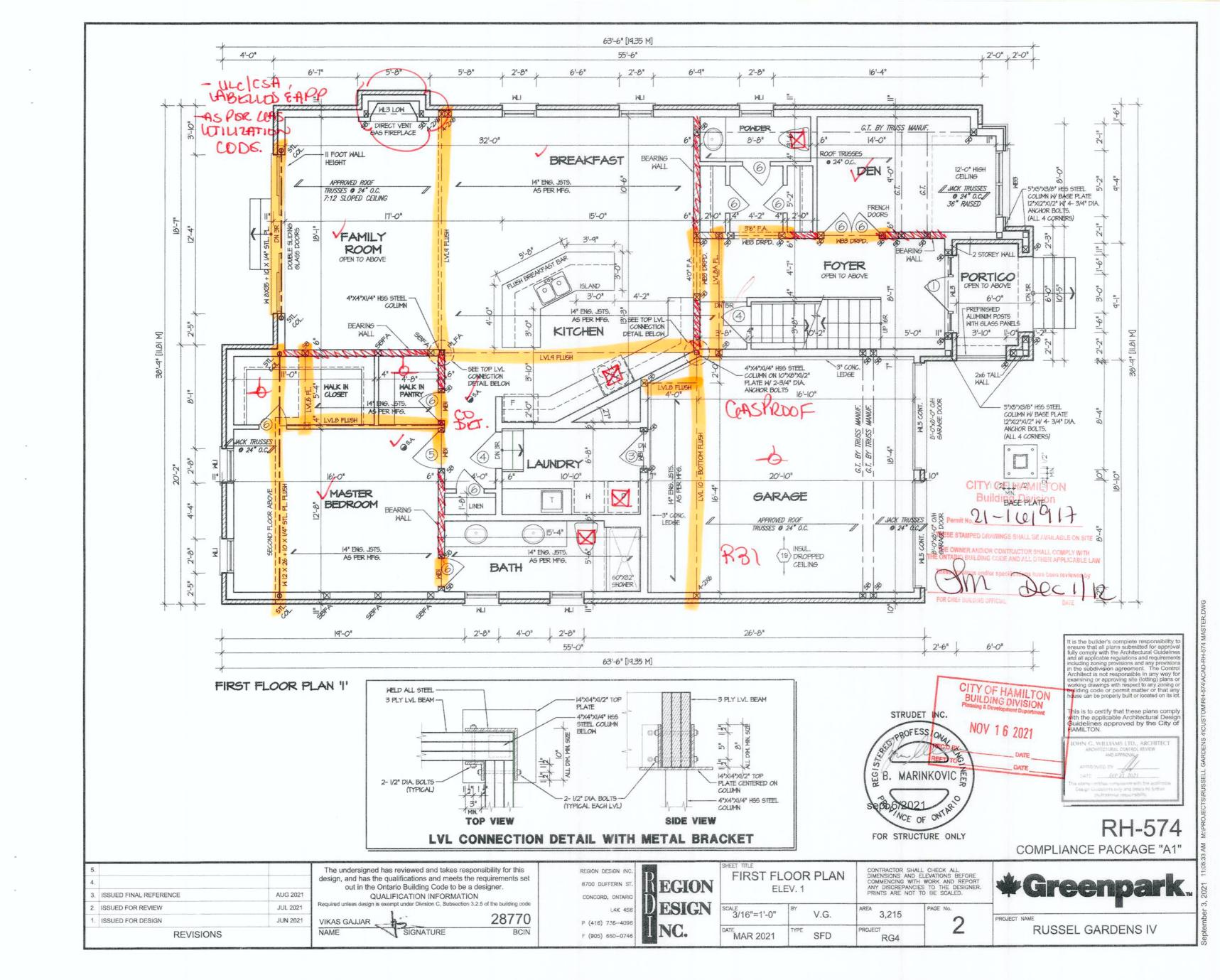
EGION **ESIGN**

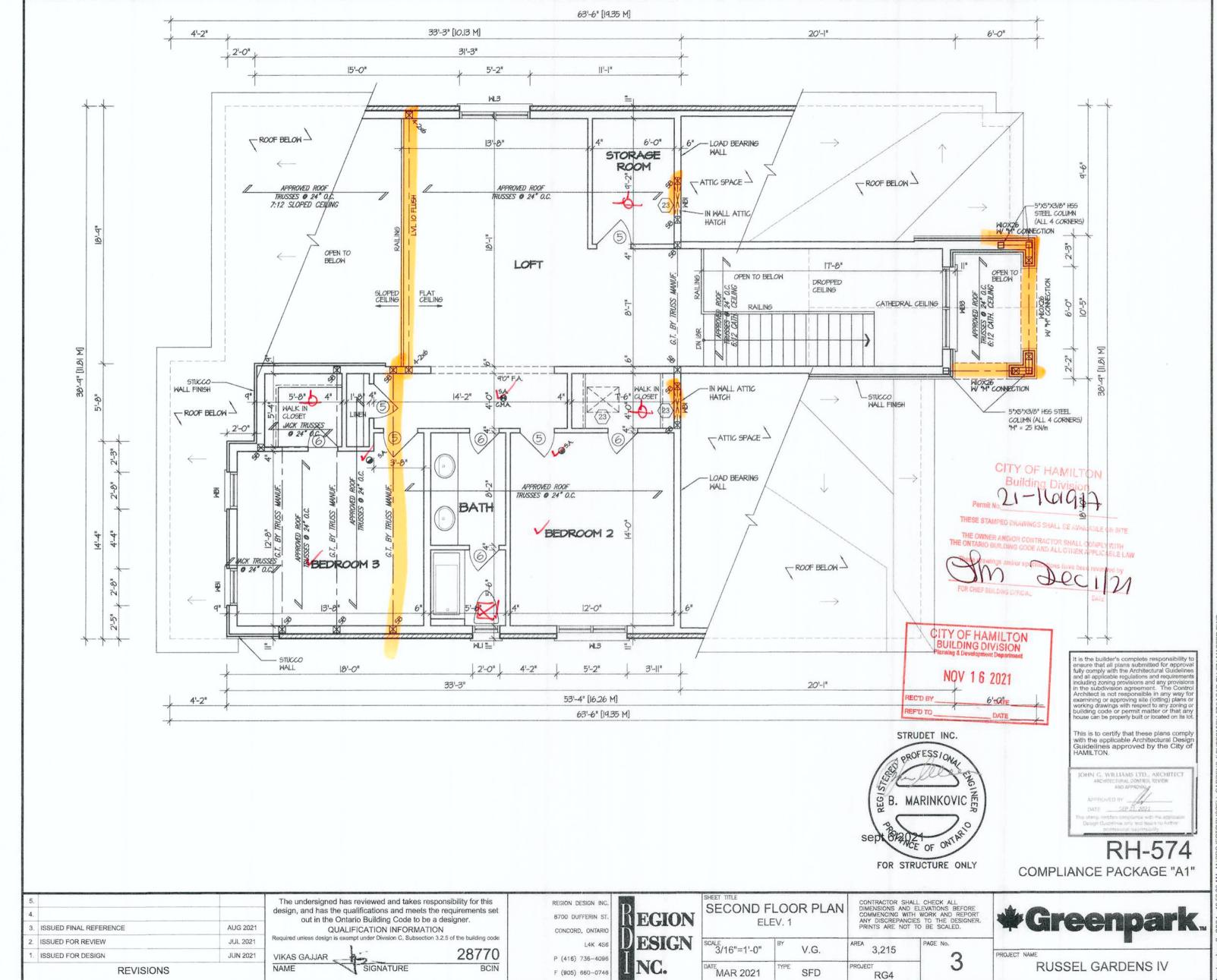
CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFO COMMENCING WITH WORK AND REPANY DISCREPANCIES TO THE DESIG PRINTS ARE NOT TO BE SCALED. AREA CHARTS **NOTES & DETAILS** 3,215 V.G. 3/16"=1'-0" 0 MAR 2021 SED

DATE

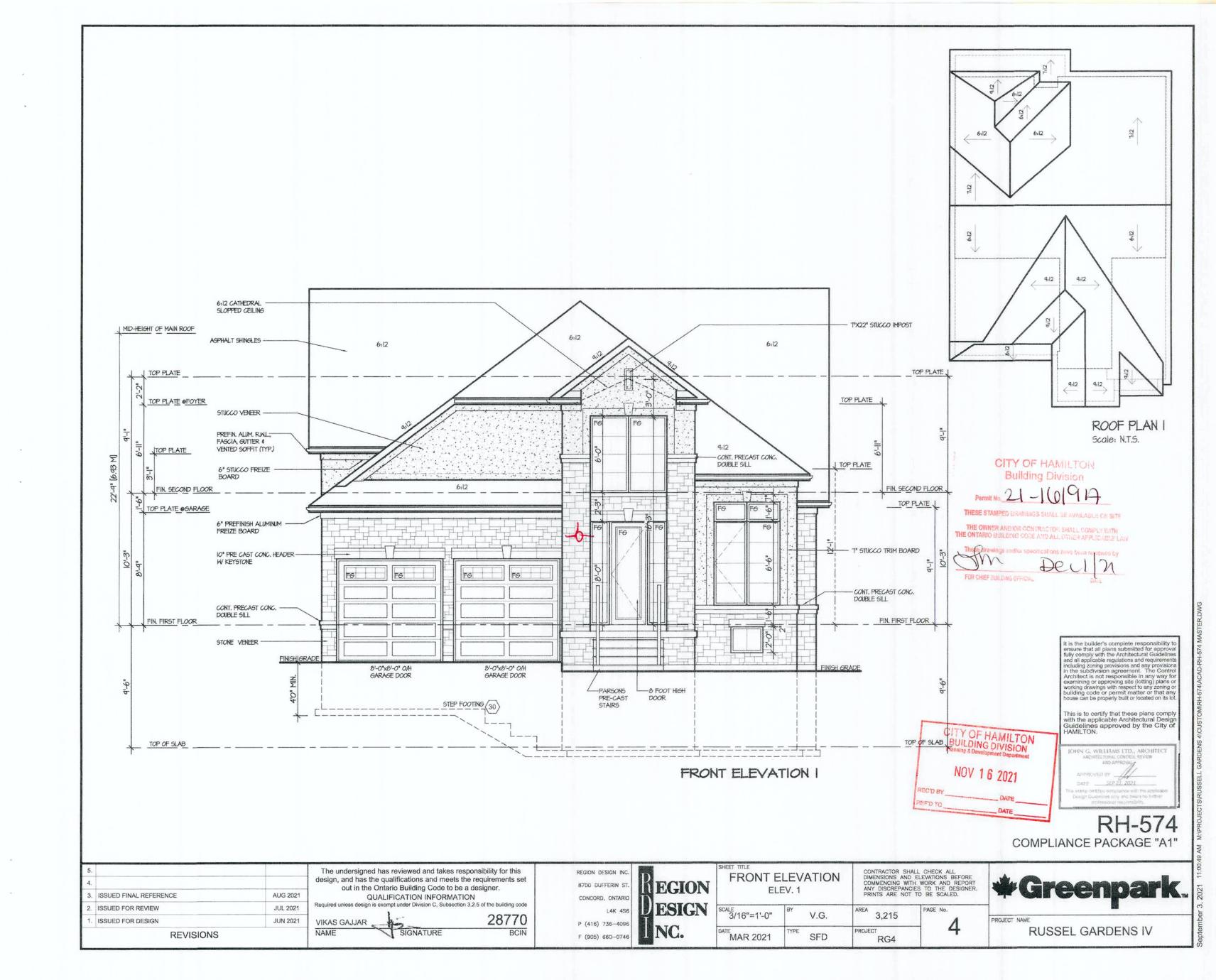
PROJECT NAM RUSSEL GARDENS IV

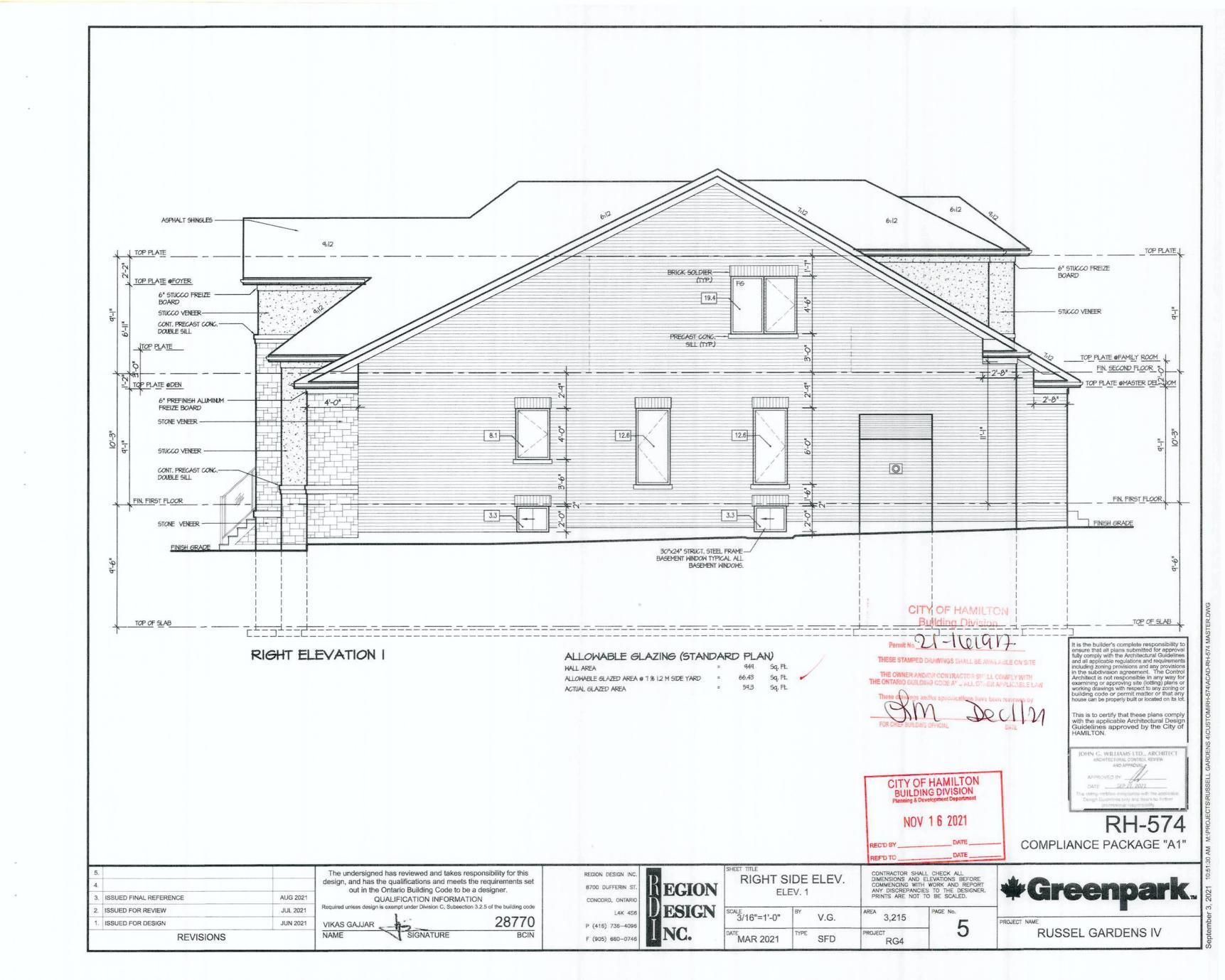


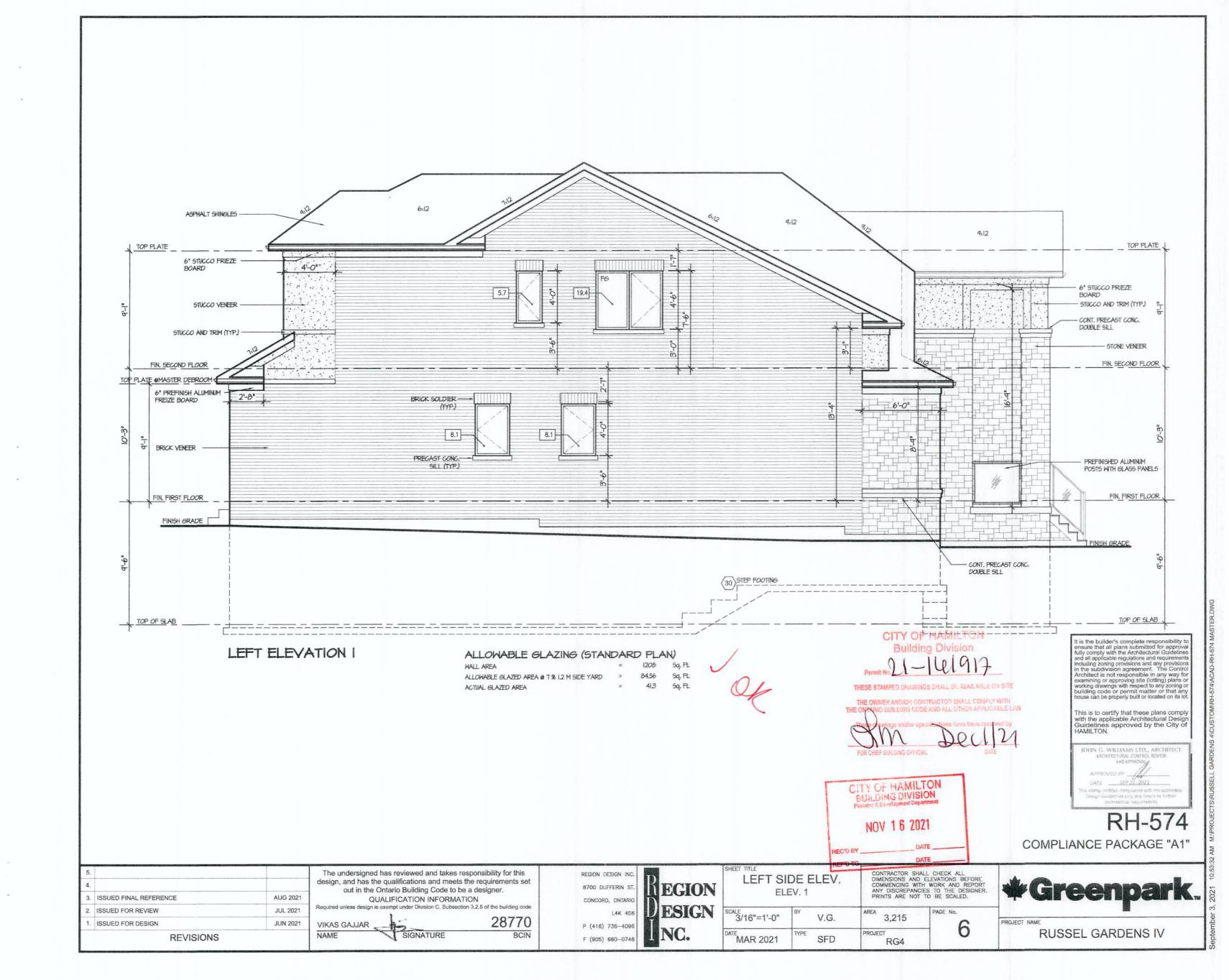




1 10:50:30 AM M:/PROJECTS/RUSSELL GARDENS 4/CUSTOM/RH-674/ACAD









CITY OF HAMILTON Building Division

Permit No. 21-461917

CITY OF HAMILTON BUILDING DIVISION Planning & Development Department

NOV 16 2021

Multine applicable Architectural Design Guidelines approved by the City of HAMILTON.

RH-574 COMPLIANCE PACKAGE "A1"

3. ISSUED FINAL REFERENCE AUG 2021 2. ISSUED FOR REVIEW JUL 2021 1. ISSUED FOR DESIGN JUN 2021 **REVISIONS**

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

28770 SIGNATURE NAME

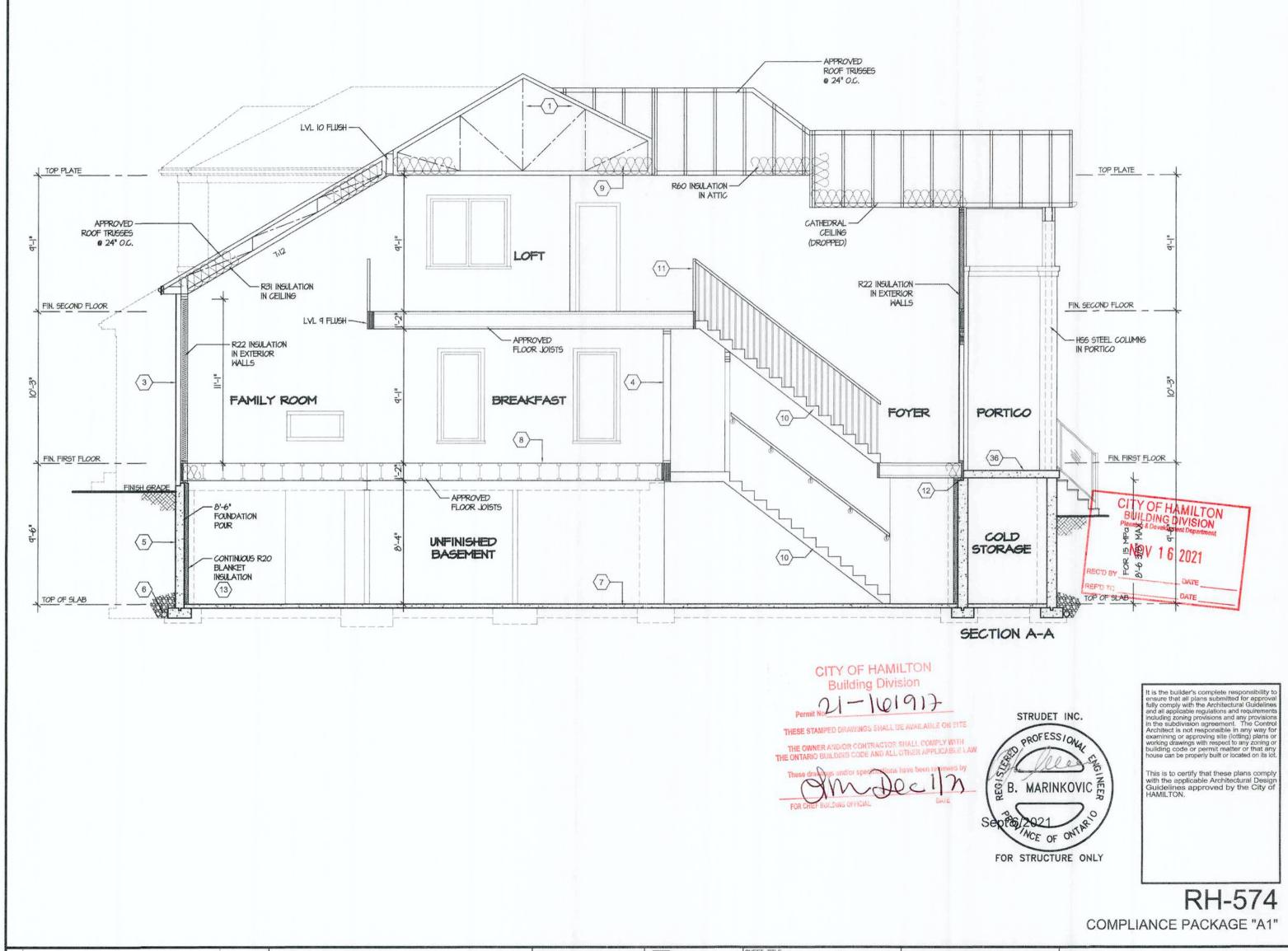
8700 DUFFERIN ST. CONCORD, ONTARIO L4K 4S6 P (416) 736-4096 F (905) 660-0746

EGION **ESIGN**

MAR 2021

REAR ELEVATION ELEV 1 3/16"=1'-0" V.G. 3,215

RUSSEL GARDENS IV



The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set **CROSS SECTION** KEGION out in the Ontario Building Code to be a designer AUG 2021 3. ISSUED FINAL REFERENCE QUALIFICATION INFORMATION sign is exempt under Division C, Subsection 3.2.5 **ESIGN** JUL 2021 2. ISSUED FOR REVIEW 3/16"=1'-0" V.G. 3,215 28770 ISSUED FOR DESIGN 8 VIKAS GAJJAR SIGNATURE **RUSSEL GARDENS IV** NAME BCIN REVISIONS MAR 2021 SFD RG4