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

FOOTINGS ON ENGINEERED FILL

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 = 48"×48"×20" CONCRETE PAD F2 = 40"×40"×16" CONCRETE PAD F3 = 34"×34"×14" CONCRETE PAD F4 = 28"×28"×12" CONCRETE PAD F5 = 18"×18"×8" CONCRETE PAD FI = 42"x42"x18" CONCRETE PAD F2 = 36"x36"x16" CONCRETE PAD F3 = 30"x30"x12" CONCRETE PAD F4 = 24"x24"x12" CONCRETE PAD

F5 = 16"x16"x8" CONCRETE PAD (REFER TO FLOOR PLAN FOR UNUSUAL SIZE PADS NOT ON CHART)

BRICK VENEER LINTELS

 $\frac{}{\text{WLI}} = 3 - 1/2 \text{"} \times 3 - 1/2 \text{"} \times 1/4 \text{"L} / 90 \times 90 \times 6.0 \text{L}) + 2 - 2 \text{"} \times 8 \text{"} SPR. No.2$ ML2 = 4"x3-1/2"x5/16"L (100x90x8.0L) + 2-2"x8" SPR. No.2 ML3 = 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

 $\begin{array}{l} \text{NL6} = 5\text{"x3-l/2"x5/l6"L} \; (125\text{x40x8.0L)} + 2-2\text{"x12"} \; \text{5PR. No.2} \\ \text{NL7} = 5\text{"x3-l/2"x5/l6"L} \; (125\text{x40x8.0L)} + 3-2\text{"x10"} \; \text{5PR. No.2} \\ \end{array}$ $\begin{array}{l} \text{MLB} = 5^{\text{N}} \times 3^{-1/2} \times 5^{1/6} \text{L} & (125 \times 90 \times 8 \cdot 0\text{L}) + 3 - 2^{\text{N}} \times 12^{\text{N}} \text{ FPR. No.2} \\ \text{WL9} = 6^{\text{N}} \times 4^{\text{N}} \times 3^{/6} \text{L} & (150 \times 100 \times 10 \cdot 0\text{L}) + 3 - 2^{\text{N}} \times 12^{\text{N}} \text{ SPR. No.2} \\ \end{array}$

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)
MB3 = 2-2"x10" SPR. No.2 (2-38x235 SPR. No.2)

MB4 = 3-2"x10" SPR. No.2 (3-38x235 SPR. No.2) MB5 = 2-2"x12" SPR. No.2 (2-38x286 SPR. No.2) MB6 = 3-2"x12" SPR. No.2 (3-38x286 SPR. No.2) MB7 = 5-2"x12" SPR. No.2 (5-38x286 SPR. No.2)

MBII = 4-2"xI0" SPR. No.2 (4-38x235 SPR. No.2) WBI2 = 4-2"xI2" 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-I 3/4" × 7 I/4" (2-45×184) LVL2 = 3-I 3/4" × 7 I/4" (3-45×184) LVL3 = 4-I 3/4" × 7 I/4" (4-45×184) LVL4A = 1-I 3/4" × 9 I/2" (1-45×240) LVL4 = 2-I 3/4" × 9 I/2" (2-45×240) LVL5 = 3-I 3/4" × 9 I/2" (3-45×240) LVL5A = 4-I 3/4" × 9 I/2" (4-45×240) LVL6A = 1-I 3/4" × II 7/8" (1-45×300) LVL7 = 3-I 3/4" × II 7/8" (3-45×300) LVL7 = 3-I 3/4" × II 7/8" (4-45×300) LVL7A = 4-I 3/4" × II 7/8" (4-45×356) LVL9 = 2-I 3/4" × II 7/8" (3-45×356) LVL9 = 3-I 3/4" × II 7/8" (3-45×356) LVL9 = 3-I 3/4" × II 7/8" (3-45×356)

LVLIO = 2-1 3/4" x 18" (3-45x456)

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)

L6 = 7"x4"x3/8"L (175x100x10.0L)

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

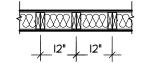
SPACE CONVENTIONAL FLOOR JOISTS @ 12" O.C. BELOW ALL CERAMIC TILE AREAS. 5'-7', 2 ROWS FOR SPANS GREATER THAN 7'

REFER TO ROOF TRUSS SHOP DRAWINGS FOR ALL ROOF FRAMING INFORMATION

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

REFER TO ELOOR ERAMING SHOP DRAWINGS FOR ENGINEERED FRAMING LAYOUTS

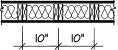
2-2"x6" STUD WALL NAILED TOGETHER AND SPACED @12" O.C. FULL HT C/M SOLID BLOCKING 4'-O" O.C. VERTICAL AND 7/16" EXT. PLYWOOD SHEATHING.



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

TWO STORY HEIGHT WALL DETAIL

STUD WALL GLUED AND NAILED TOGETHER AND SPACED MAX, @10"O.C. FULL HT C/M SOLID BLOCKING MAX. &'-0"O.C. VERTICAL AND 7/16" EXT. OSB SHEATHING.



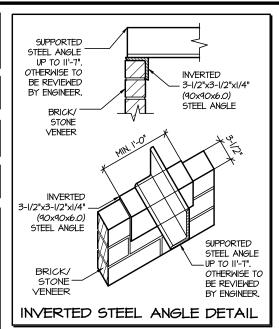
NOTE: MAXIMUM HEIGHT OF WALL FOR THIS DETAIL IS 20'-2" AND MAXIMUM WIDTH IS 40'-0"

TWO STORY HEIGHT WALL DETAIL

THE MINIMUM THERMAL PERFORMANCE OF BUILDING ENVELOPE AND EQUIPMENT SHALL CONFORM TO THE

COMPLIANCE PACKAGE "AI"

1	COMPLIANCE PACKAGE "AI"				
Ī	COMPONENT	NOTE			
	CEILING WITH ATTIC SPACE MINIMUM RSI (R) VALUE	10.57 (R60)			
	CEILING WITHOUT ATTIC SPACE MINIMUM RSI (R) VALUE	5.46 (R31)			
	EXPOSE FLOOR MINIMUM RSI (R) VALUE	5.46 (R31)			
	WALLS ABOVE GRADE MINIMUM RSI (R) VALUE	3,87 (R22)			
	BASEMENT WALLS MINIMUM RSI (R) VALUE	3.52 (R2O BLANKET)			
	HEATED SLAB OR SLAB <u>≤ 600mm BELOW G</u> RADE MINIMUM RSI (R) VALUE	1.76 (RIO)			
	WINDOWS & SLIDING GLASS DOORS MAXIMUM U-VALUE	ENERGY RATING = 25, MAX. U=0.28			
	SPACE HEATING EQUIPMENT MINIMUM AFUE	96%			
	HRV MINIMUM EFFICIENCY	75%			
Ī	HOT WATER TANK	MIN. EF 0.80			



AREA CALCULATIONS		ELE	. I
GROUND FLOOR AREA	=	1493	Sq. Ft.
SECOND FLOOR AREA	=	1880	L
TOTAL FLOOR AREA	=	3373	Sq. Ft.
		313.36	Sq. M.
IST FLOOR OPEN AREA	=	0	Sq. Ft.
2ND FLOOR OPEN AREA	=	0	Sq. Ft.
ADD TOTAL OPEN AREAS	=	0	Sq. Ft.
ADD FIN. BASEMENT AREA	=	0	Sq. Ft.
GROSS FLOOR AREA	=	3373	Sq. Ft.
		313.36	Sq. M.
GROUND FLOOR COVERAGE	=	1493	Sq. Ft.
GARAGE COVERAGE /AREA	=	391	Sq. Ft.
PORCH COVERAGE / AREA	=	89	Sq. Ft.
TOTAL COVERAGE W/ PORCH	=	1973	Sq. Ft.
	=	183.30	Sq. m.
TOTAL COVERAGE WO PORCH	=	1884	Sq. Ft.
	=	175.03	5q. m.

TERRACO [*] 169	TTA 2 -	ELEV.I COMPLIANCE PACKAGE "AI"			
ELEVATION	WALL FT ²	WALL MT ²	OPENING FT ²	OPENING MT2	PERCENTAGE
FRONT	765.63	71.13	110.01	10.22	14.37 %
LEFT SIDE	1152.78	107.10	90.00	8.36	7.81 %
RIGHT SIDE	1152.78	107.10	47.33	4.40	4.11 %
REAR	766.43	71.20	132.94	12.35	17.35 %
TOTAL	3837.62	356.53	380.28	35.33	9.91 %

Lot 169 Construction Set



It is the builder's complete responsibility t t is the builder's complete responsibility te-ensure that all plans submitted for approva-ully comply with the Architectural Guidelines all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Contro Architect is not responsible in any way for examining or approving site (lotting) plans or working drawings with respect to any zoning or building code or permit matter or that any louse 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.

TERRACOTTA 2 - 169 **COMPLIANCE PACKAGE "A1"**

5.			
4.			
3.			
2.	UPDATED FOR LOT 169	APR 2022	
1.	ISSUED FOR REVIEW	FEB 2021	
REVISIONS			

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

28770 VIKAS GAJJAR NAME

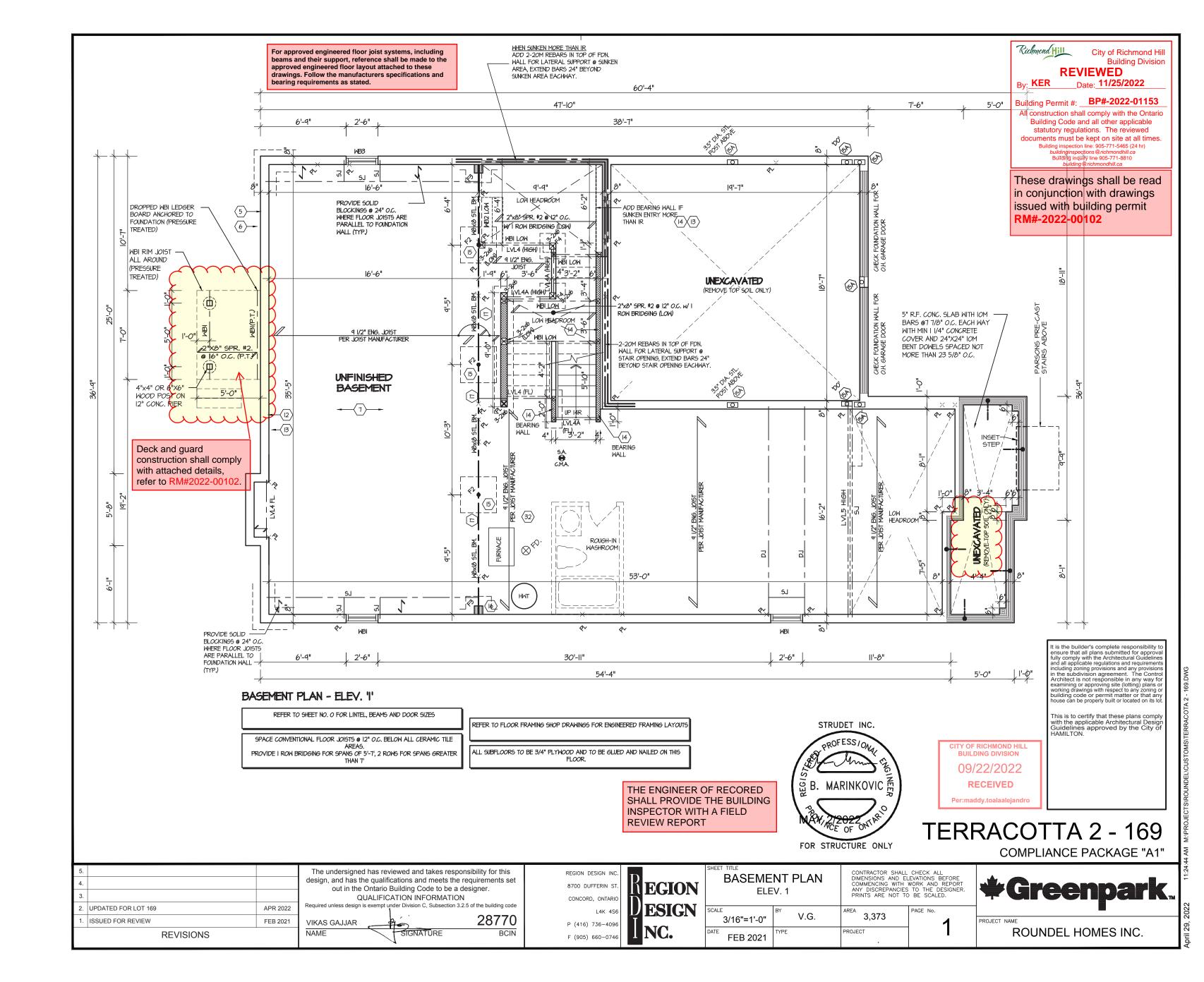
REGION DESIGN INC 8700 DUFFERIN ST CONCORD, ONTARIO L4K 4S6 P (416) 736-4096 F (905) 660-0746

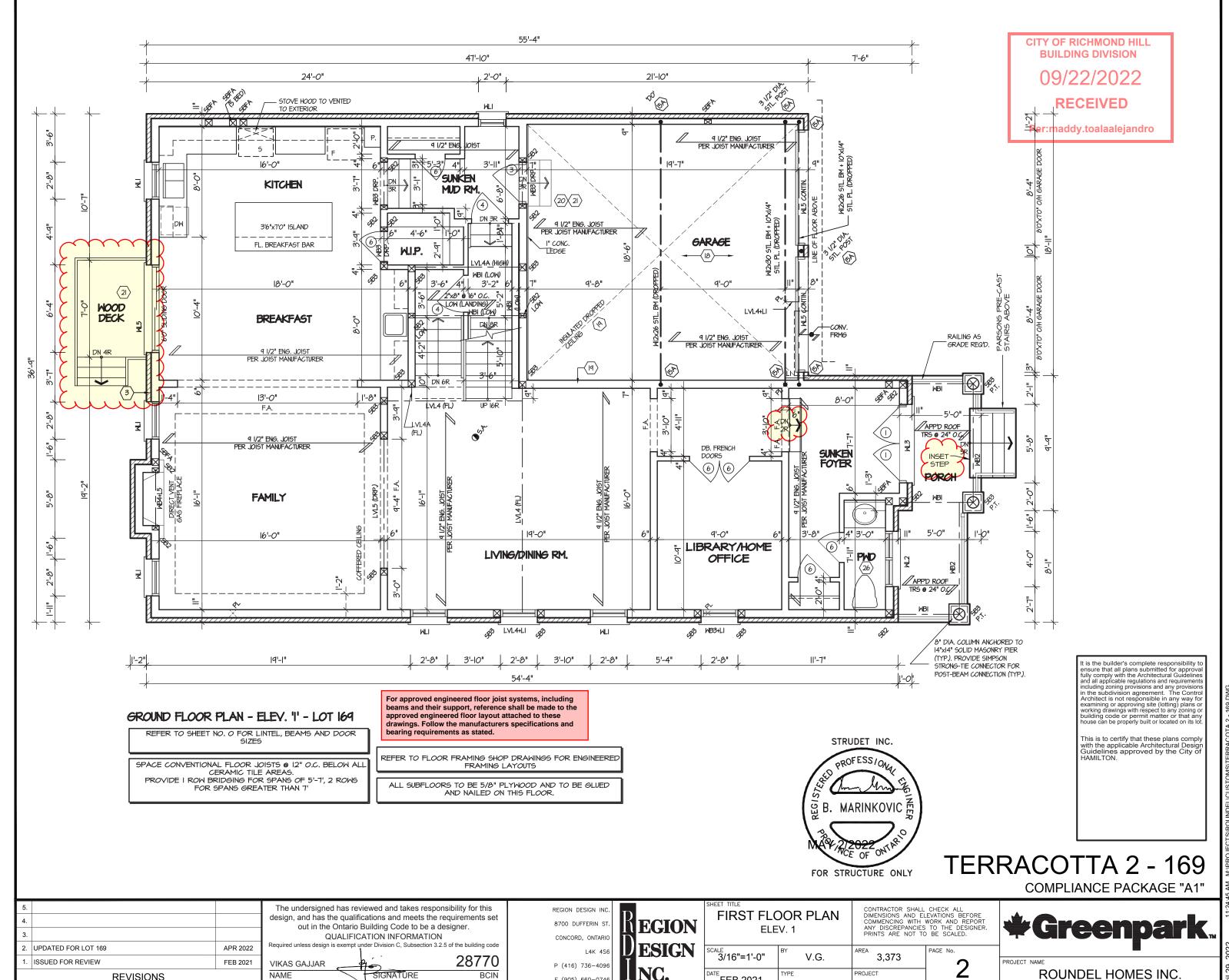
		SHEET
١	EGION	
	ESIGN	SCALE
	NC.	DATE

	TOK SIKOCI	ORE ONE!		
AREA CH	ARTS	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.		4
3/16"=1'-0" BY	V.G.	^{AREA} 3,373	PAGE No.	PRO
FEB 2021	PE	PROJECT .	U	



ROUNDEL HOMES INC.

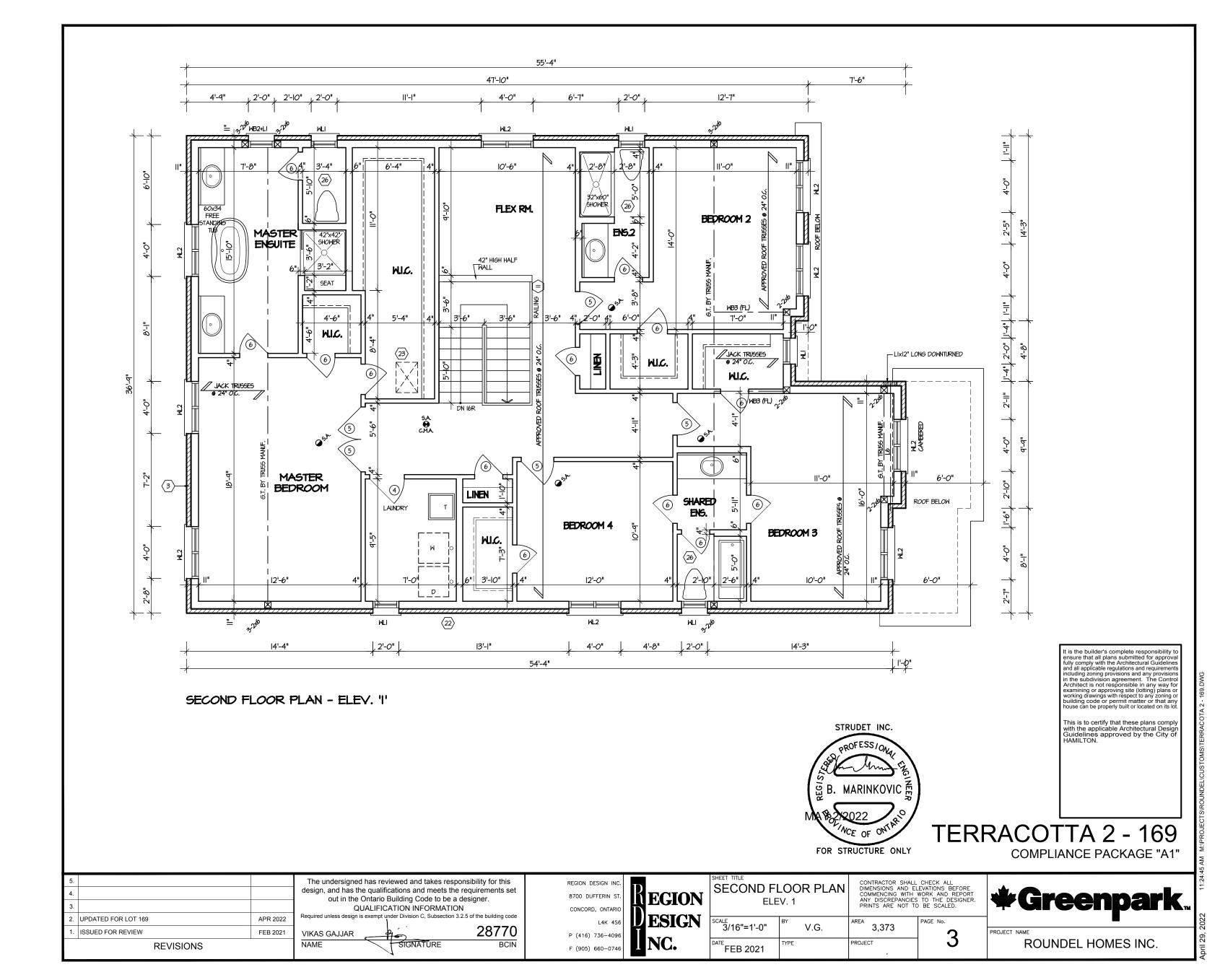


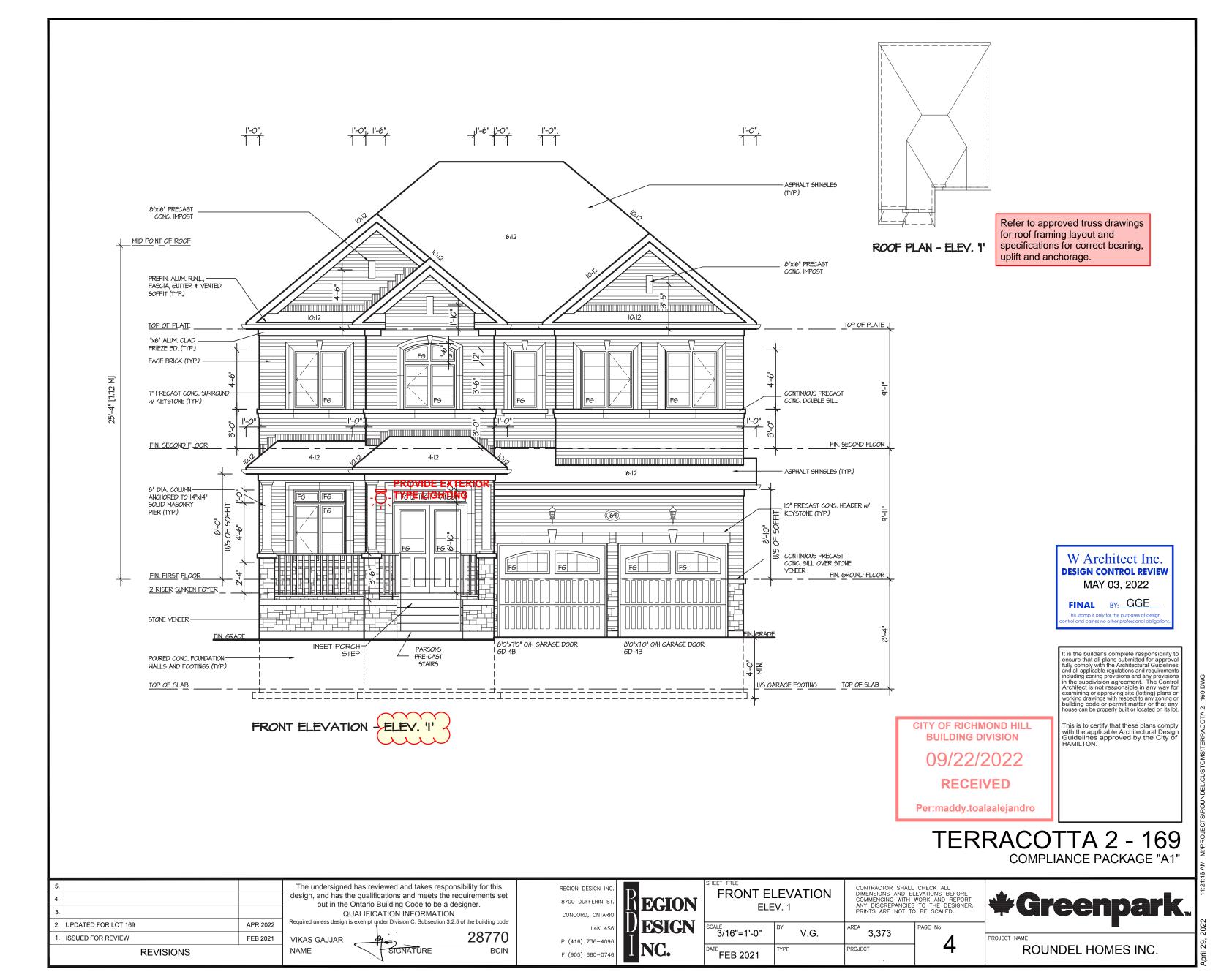


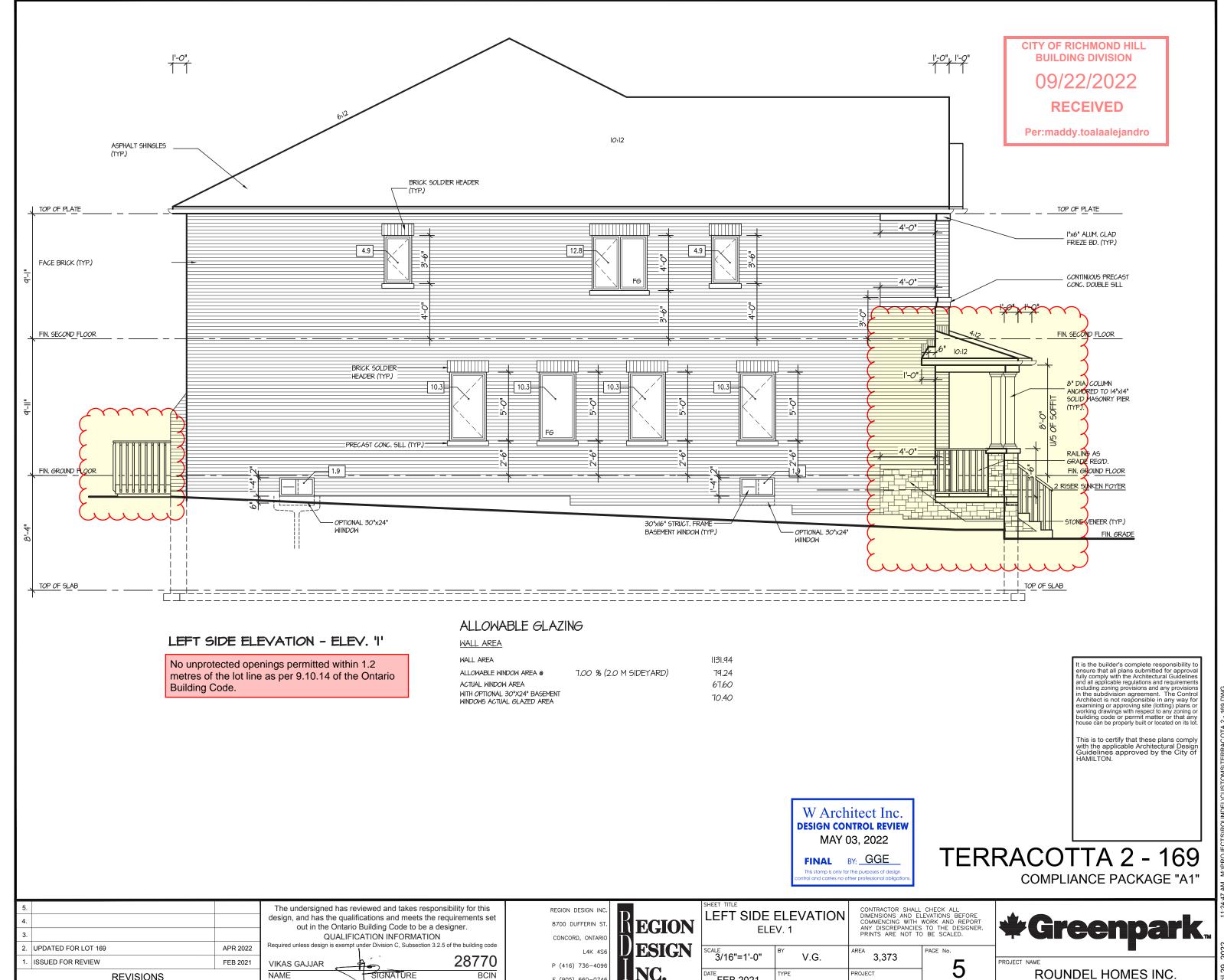
F (905) 660-0746

FEB 2021

REVISIONS



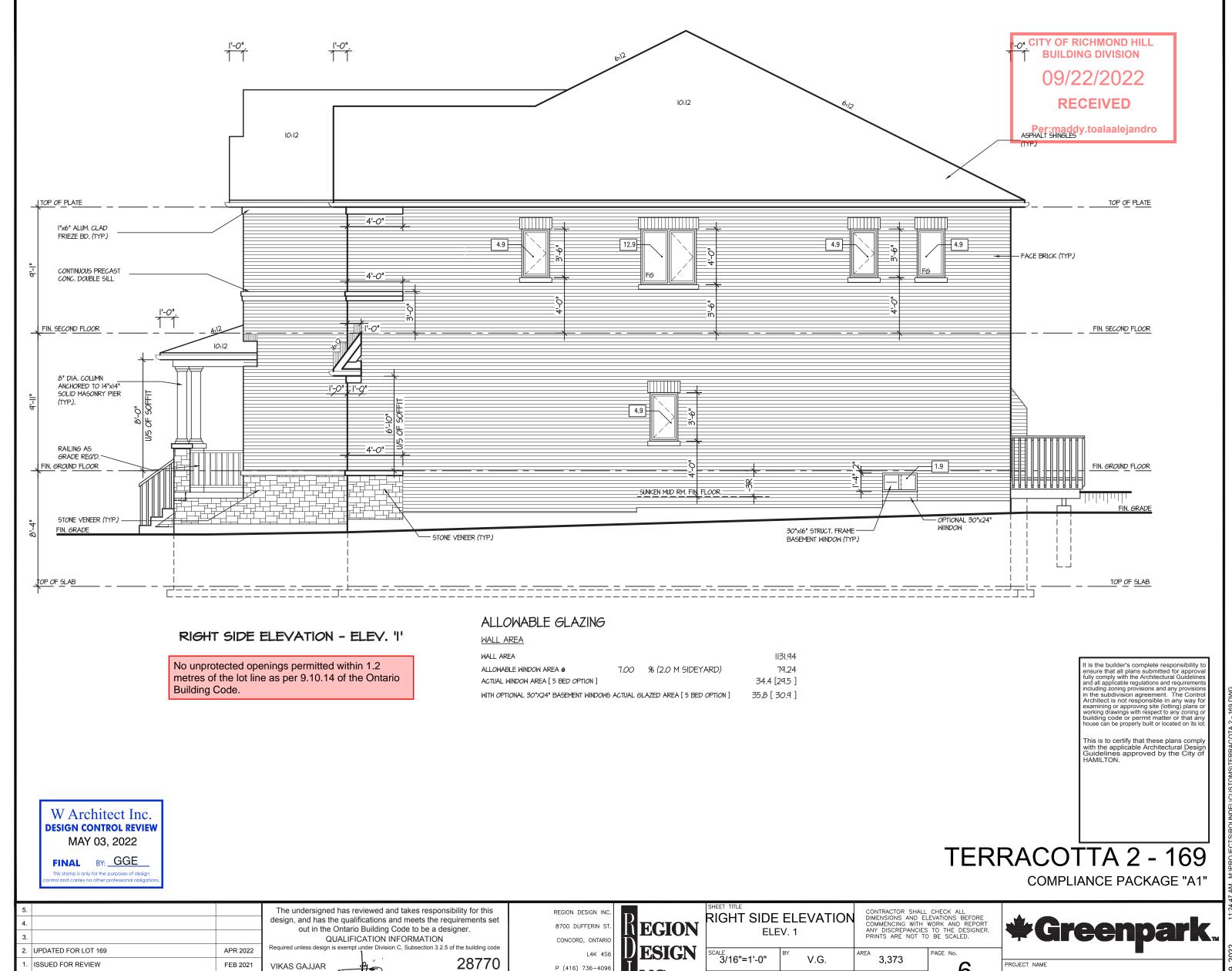




F (905) 660-0746

FEB 2021

REVISIONS



P (416) 736-4096

F (905) 660-0746

VIKAS GAJJAR

NAME

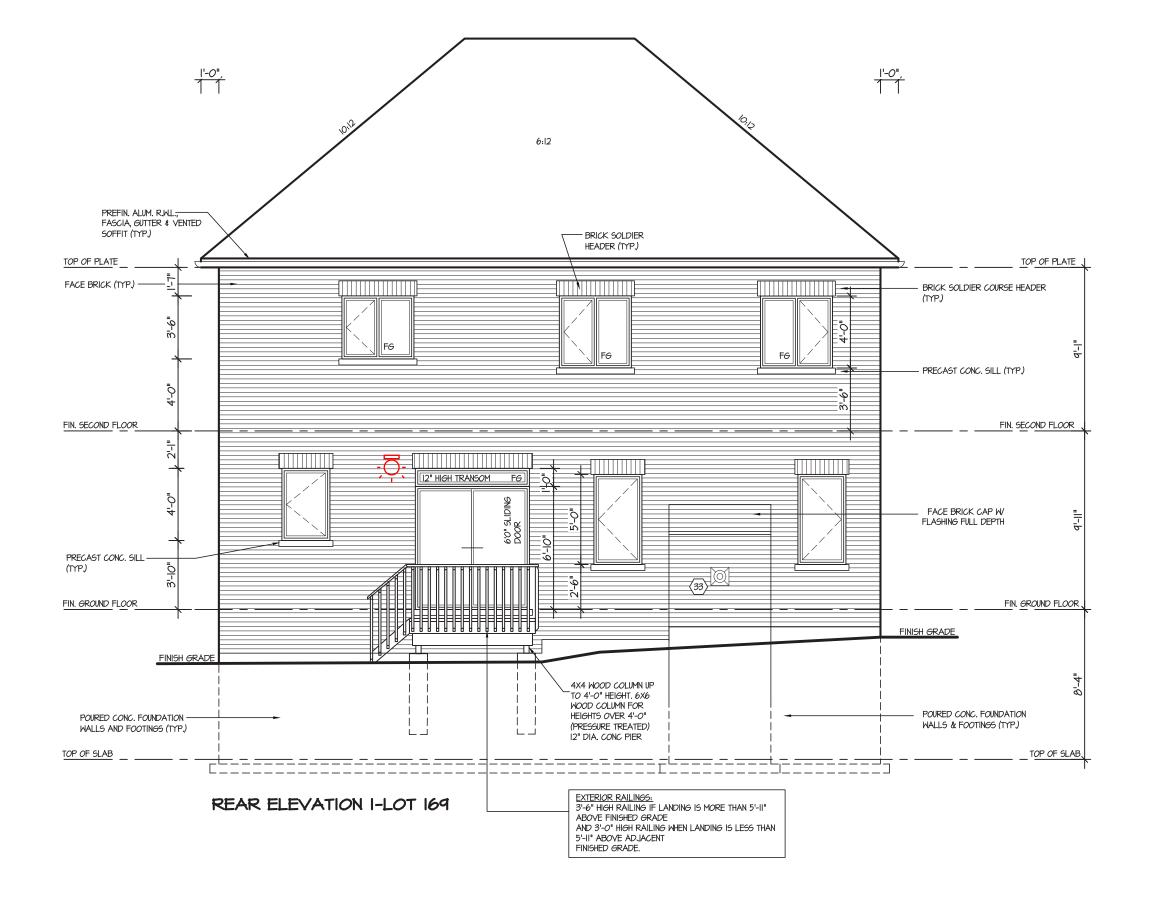
REVISIONS

6

PROJECT

FEB 2021

ROUNDEL HOMES INC.



CITY OF RICHMOND HILL **BUILDING DIVISION**

09/22/2022

RECEIVED

Per:maddy.toalaalejandro

It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Control Architect is not responsible in any way for examining or approving site (lotting) plans or working drawings with respect to any zoning or building code or permit matter or that any

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

W Architect Inc. **DESIGN CONTROL REVIEW** MAY 03, 2022 FINAL BY: GGE

TERRACOTTA 2 - 169

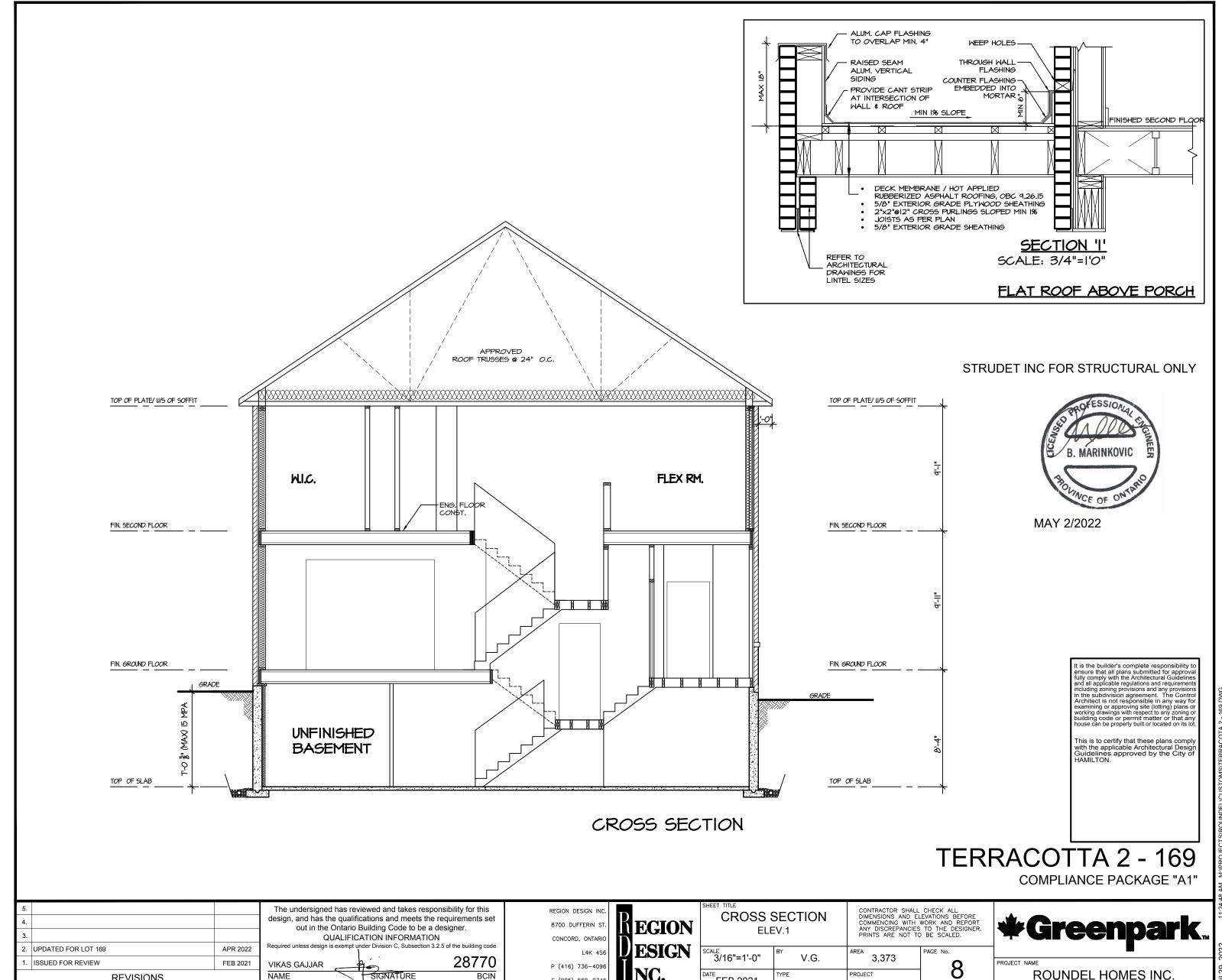
COMPLIANCE PACKAGE "A1"

5. 4. 3.	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	REGION DESIGN INC. 8700 DUFFERIN ST. CONCORD, ONTARIO	REAR ELEVATION ELEV.,1,2 & 3	
2. UPDATED FOR LOT 169 APR 2022	Required unless design is exempt under Division C, Subsection 3.2.5 of the building code	L4K 4S6 DESIGN	SCALE BY	AR
1. ISSUED FOR REVIEW FEB 2021	VIKAS GAJJAR 28770	P (416) 736-4096	3/16"=1'-0" V.G.	
REVISIONS	NAME SIGNATURE BCIN	F (905) 660-0746	FEB 2021	PR

SCALE 3/16"=1'-0" BY V.G. AREA 3.373 PAGE No	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.		
7			
FEB 2021 TYPE PROJECT .			



PROJECT NAMI ROUNDEL HOMES INC.



F (905) 660-0746

NAME

REVISIONS

ROUNDEL HOMES INC.

PROJECT

FEB 2021