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"xI8" CONCRETE PAD

FI = 48"×48"×20" CONCRETE PAE F2 = 40"×40"×16" CONCRETE PAE F3 = 34"×34"×14" CONCRETE PAD F4 = 28"×28"×12" CONCRETE PAD F5 = 18"×18"×8" 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

 $\begin{array}{lll} \hline MLI &=& 3-1/2"x3-1/2"x1/4"L & (90x90x6.0L) + 2-2"x8" & SPR. & No.2\\ ML2 &=& 4"x3-1/2"x5/16"L & (100x90x8.0L) + 2-2"x8" & SPR. & No.2\\ ML3 &=& 5"x3-1/2"x5/16"L & (125x90x8.0L) + 2-2"x10" & SPR. & No.2\\ \end{array}$ WL3 = 5"x3-1/2"x5/16"L (125x90x8,0L) + 2-2"x10" SPR. No.2
WL4 = 6"x3-1/2"x3/8"L (150x90x10.0L) + 2-2"x12" SPR. No.2
WL5 = 6"x4"x3/8"L (150x100x10.0L) + 2-2"x12" SPR. No.2
WL6 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 2-2"x12" SPR. No.2
WL7 = 5"x3-1/2"x5/16"L (125x90x8.0L) + 3-2"x10" SPR. No.2
WL8 = 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

MBI = 2-2"x8" SPR. No.2 (2-36x184 SPR. No.2) MB2 = 3-2"x8" SPR. No.2 (3-36x184 SPR. No.2) MB3 = 2-2"x10" SPR. No.2 (2-38x235 SPR. No.2)

= 3-2"x|0" SPR. No.2 (3-38x286 SPR. No.2) = 2-2"x|2" SPR. No.2 (2-38x286 SPR. No.2) = 3-2"x|2" SPR. No.2 (3-38x286 SPR. No.2) = 5-2"x|2" SPR. No.2 (5-38x286 SPR. No.2) WB6 WB7

MBII = 4-2"xIO" 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

LAMINATED VENEER LUMBER (

LVLIA = I-I 3/4" × 7 I/4" (I-45×I&4)

LVLI = 2-I 3/4" × 7 I/4" (2-45×I&4)

LVL2 = 3-I 3/4" × 7 I/4" (2-45×I&4)

LVL3 = 4-I 3/4" × 7 I/4" (3-45×I&4)

LVL4A = I-I 3/4" × 9 I/2" (I-45×240)

LVL5 = 3-I 3/4" × 9 I/2" (2-45×240)

LVL5 = 3-I 3/4" × 9 I/2" (3-45×240)

LVL6A = I-I 3/4" × II 7/8" (I-45×300)

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" (3-45×300)

LVL7 = 3-I 3/4" × II 7/8" (3-45×350)

LVL8 = 2-I 3/4" × II 7/8" (3-45×356)

LVL10 = 2-I 3/4" × II 7/8" (3-45×356)

LVL10 = 2-I 3/4" × II 7/8" (3-45×356)

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

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

6'-8"

6'-8"

DOOR SCHEDULE

2'-8" 2'-6"

2'-2

NOS. WIDTH HEIGHT O' OR MORE EILING 6'-8' NSULATED ENTRANCE DOOR 2'-8" 6'-8" 8'-0' INSULATED FRONT DOORS 2'-8" 2'-8" 6'-8" 8'-0" WOOD & GLASS DOOR 6'-8' 8'-0" EXTERIOR SLAB DOOR

INTERIOR SLAB DOOR

INTERIOR SLAB DOOR INTERIOR SLAB DOOR

8'-0"

8'-0"

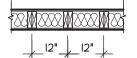
SPACE CONVENTIONAL FLOOR JOISTS @ 12" O.C. BELOW ALL CERAMIC TILE AREAS PROVIDE I ROW BRIDGING FOR SPANS OF 5'-7', 2 ROWS FOR SPANS GREATER THAN 7'

REFER TO ROOF TRUSS SHOP DRAWINGS FOR ALL ROOF FRAMING INFORMATION

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

REFER TO ELOOR ERAMING SHOP DRAWINGS FOR ENGINEERED FRAMING LAYOUTS

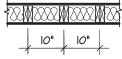
2-2"x6" STUD WALL NAILED TOGETHER AND SPACED @12" O.C. FULL HT C/M SOLID BLOCKING 4'-O" O.C. VERTICAL AND 7/16" EXT. PLYWOOD SHEATHING.



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

TWO STORY HEIGHT WALL DETAIL

I I/2" x 5 I/2" TIMBERSTRAND (LSL) I.51 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.



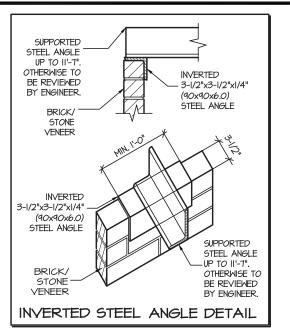
NOTE: MAXIMUM HEIGHT OF WALL FOR THIS DETAIL IS 20'-2" AND MAXIMUM WIDTH IS 40'-0"

# TWO STORY HEIGHT WALL DETAIL

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

#### COMPLIANCE PACKAGE "AI"

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 (R20 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%
HOT WATER TANK	MIN. EF 0.80



# Lot 170 Construction Set

Richmond H<u>ill</u>

City of Richmond Hill **Building Division** 

# REVIEWED

By: **KER** 

\_Date:\_11/25/2022

# Building Permit #: \_\_\_\_BP#-2022-01154

All construction shall comply with the Ontario Building Code and all other applicable statutory regulations. The reviewed documents must be kept on site at all times. Building inspection line: 905-771-5465 (24 hr) buildinginspections@richmondhill.ca Building inquiry line 905-771-8810 building @richmondhill.ca

with building permit: RM#-2022-00103

These drawings shall be read in

conjunction with drawings issued

AREA CALCULATIONS ELEV. 3A GROUND FLOOR AREA 1506 Sq. Ft. SECOND FLOOR AREA 1929 Sq. Ft. TOTAL FLOOR AREA 3435 Sq. Ft. 319.12 Sq. M. IST FLOOR OPEN AREA Sq. Ft 2ND FLOOR OPEN AREA Sq. Ft. ADD TOTAL OPEN AREAS Sq. Ft. O Sq. Ft. ADD FIN. BASEMENT AREA GROSS FLOOR AREA 3445 Sq. Ft. 320.05 Sq. M. GROUND FLOOR COVERAGE 1506 Sq. Ft. 391 Sq. Ft. GARAGE COVERAGE /AREA =

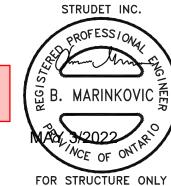
TERRACO <sup>*</sup>	ΓΤΑ 3 -	ELEV.3A		COMPLIANCE PACKAGE "AI"				
ELEVATION WALL FT2		WALL MT2	OPENING FT2	OPENING MT2	PERCENTAGE			
FRONT	781.25	72.58	168.33	15.64	21.55 %			
LEFT SIDE	1166.67	108.39	86.17	8.01	7.39 %			
RIGHT SIDE	1169.64	108.66	42.33	3.93	3.62 %			
REAR	765.62	71.13	165.61	15.39	21.63 %			
TOTAL	3883.18	360.76	462.44	42.96	11.91 %			

THE ENGINEER OF RECORED SHALL PROVIDE THE BUILDING INSPECTOR WITH A FIELD REVIEW REPORT

PORCH COVERAGE / AREA =

TOTAL COVERAGE W/ PORCH

TOTAL COVERAGE WO PORCH



49 Sq. Ft.

1946 Sq. Ft.

1**897** Sq. Ft.

180.79 Sq. m.

176.24 Sq. m.

BUILDING DIVISION 09/22/2022 **RECEIVED** 

MAY 05, 2022 FINAL BY: GGE

Per:maddy.toalaalejandro

TERRACOTTA 3 - 170 **COMPLIANCE PACKAGE "A1"** 

1. ISSUED FOR REVIEW JAN 2020 REVISIONS

t 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 neturing 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 ouilding code or permit matter or that any nouse 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.

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

28770 VIKAS GAJJAR NAME

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

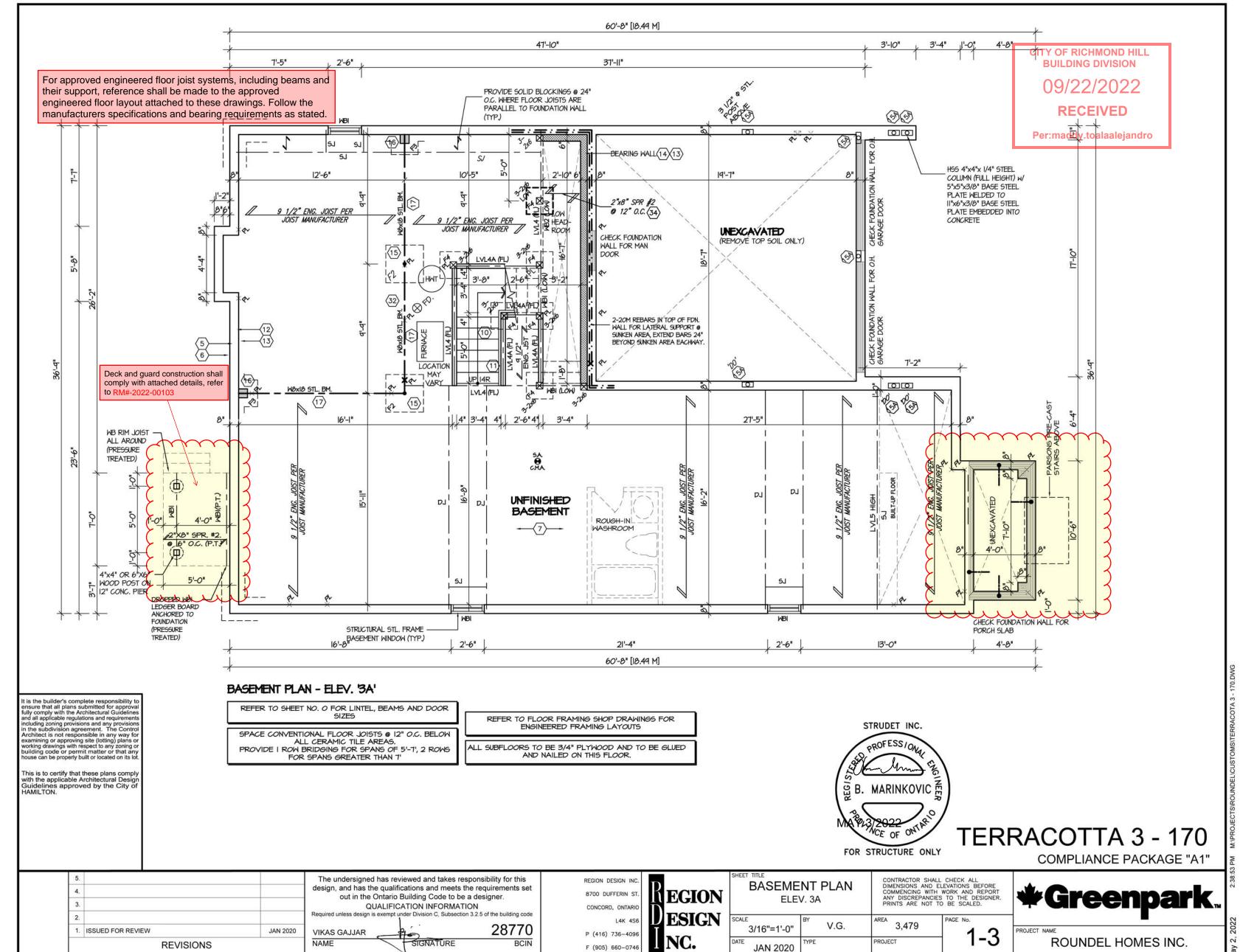
	rok Sik	OCTORE ONLY					
	CHARTS V. 3A	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.					
3/16"=1'-0"	V.G.	<sup>AREA</sup> 3,479	PAGE No.	PF			
JAN 2020	TYPE	PROJECT .	U				
		_					

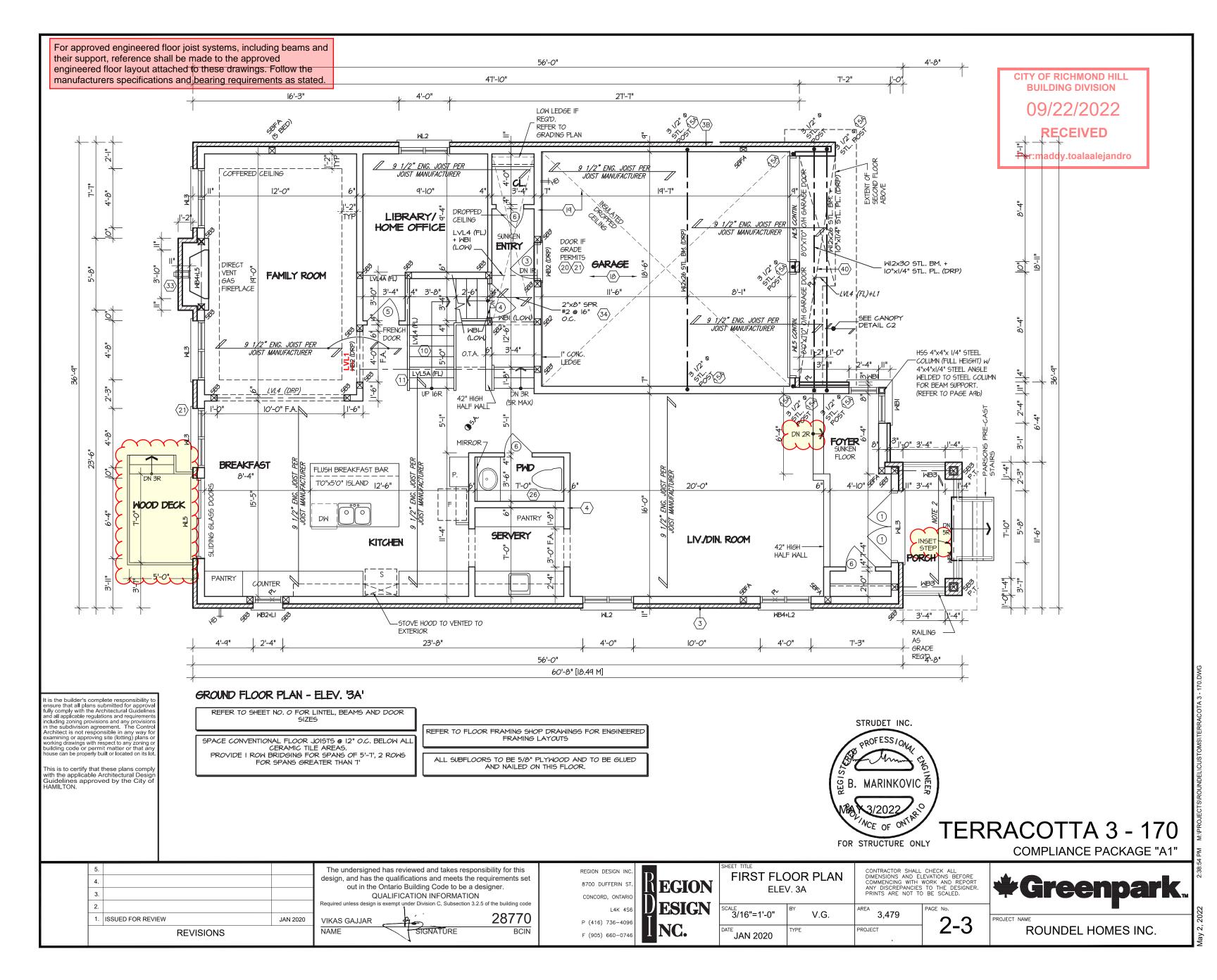
Greenpark

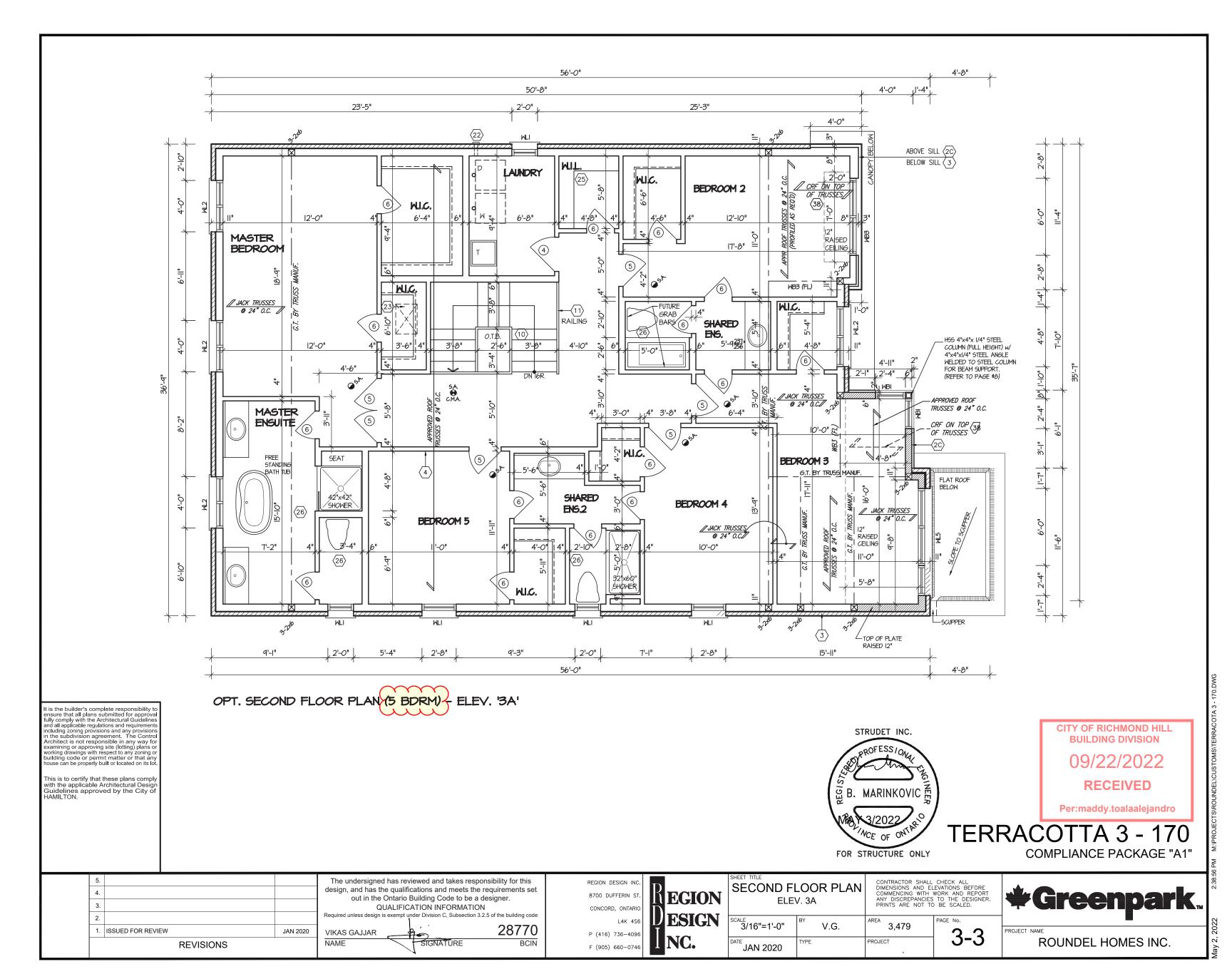
W Architect Inc.

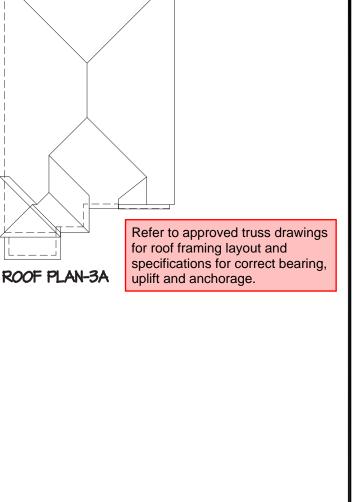
**DESIGN CONTROL REVIEW** 

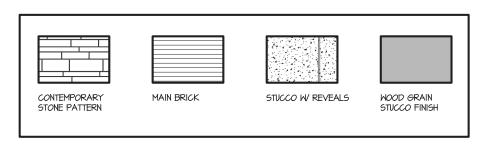
ROUNDEL HOMES INC.













FRONT ELEVATION - ELEV. '3A'

**RECEIVED** 

**CITY OF RICHMOND HILL** 

**BUILDING DIVISION** 

09/22/2022

Per:maddy.toalaalejandro

W Architect Inc. **DESIGN CONTROL REVIEW** MAY 05, 2022 FINAL BY: GGE

TERRACOTTA 3 - 170 **COMPLIANCE PACKAGE "A1"** 

5.		
4.		
3.		
2.		
1.	ISSUED FOR REVIEW	JAN 2020
	REVISIONS	

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

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 NAME

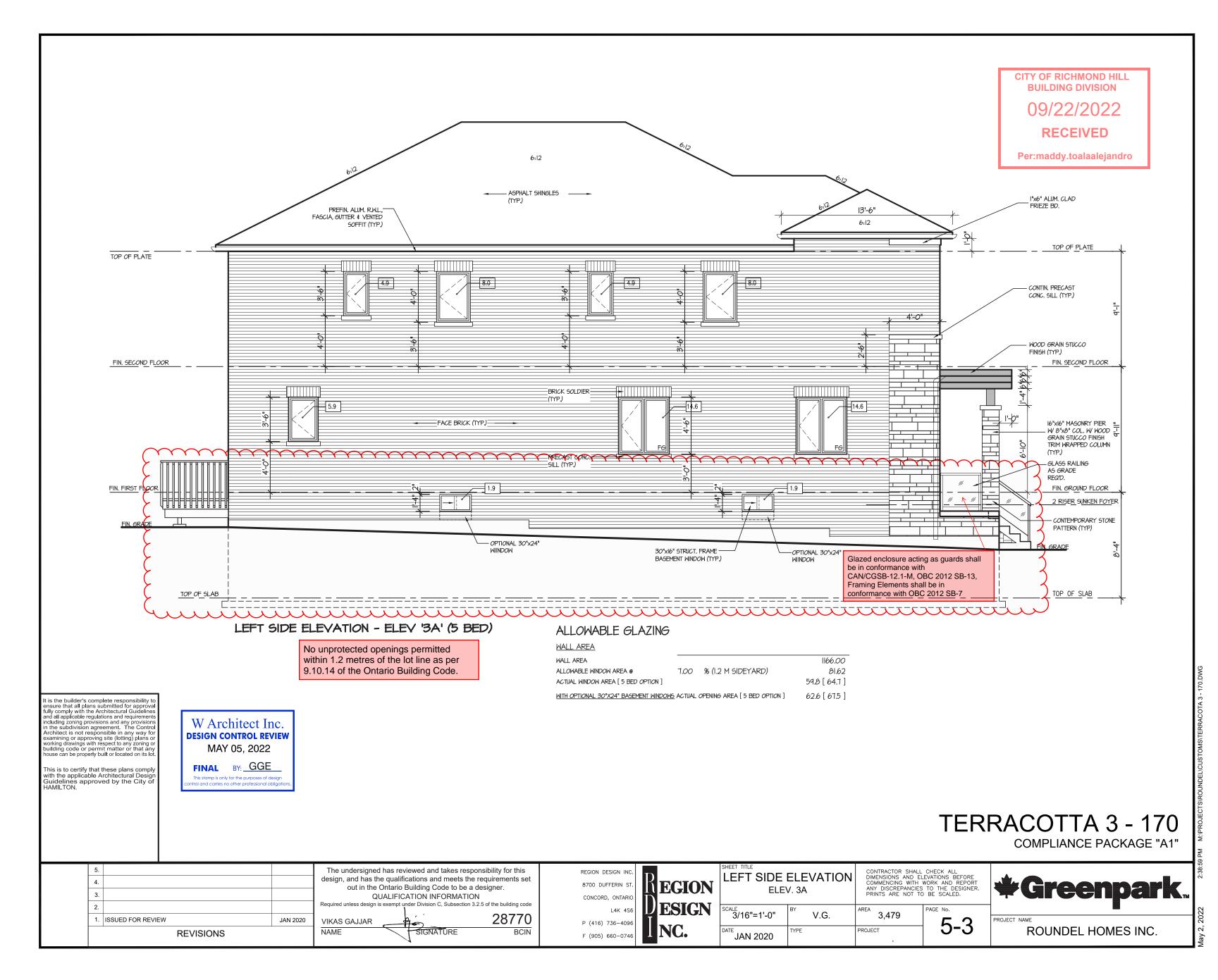
REGION DESIGN INC REGION 8700 DUFFERIN ST. CONCORD, ONTARIO **ESIGN** L4K 4S6 P (416) 736-4096 F (905) 660-0746

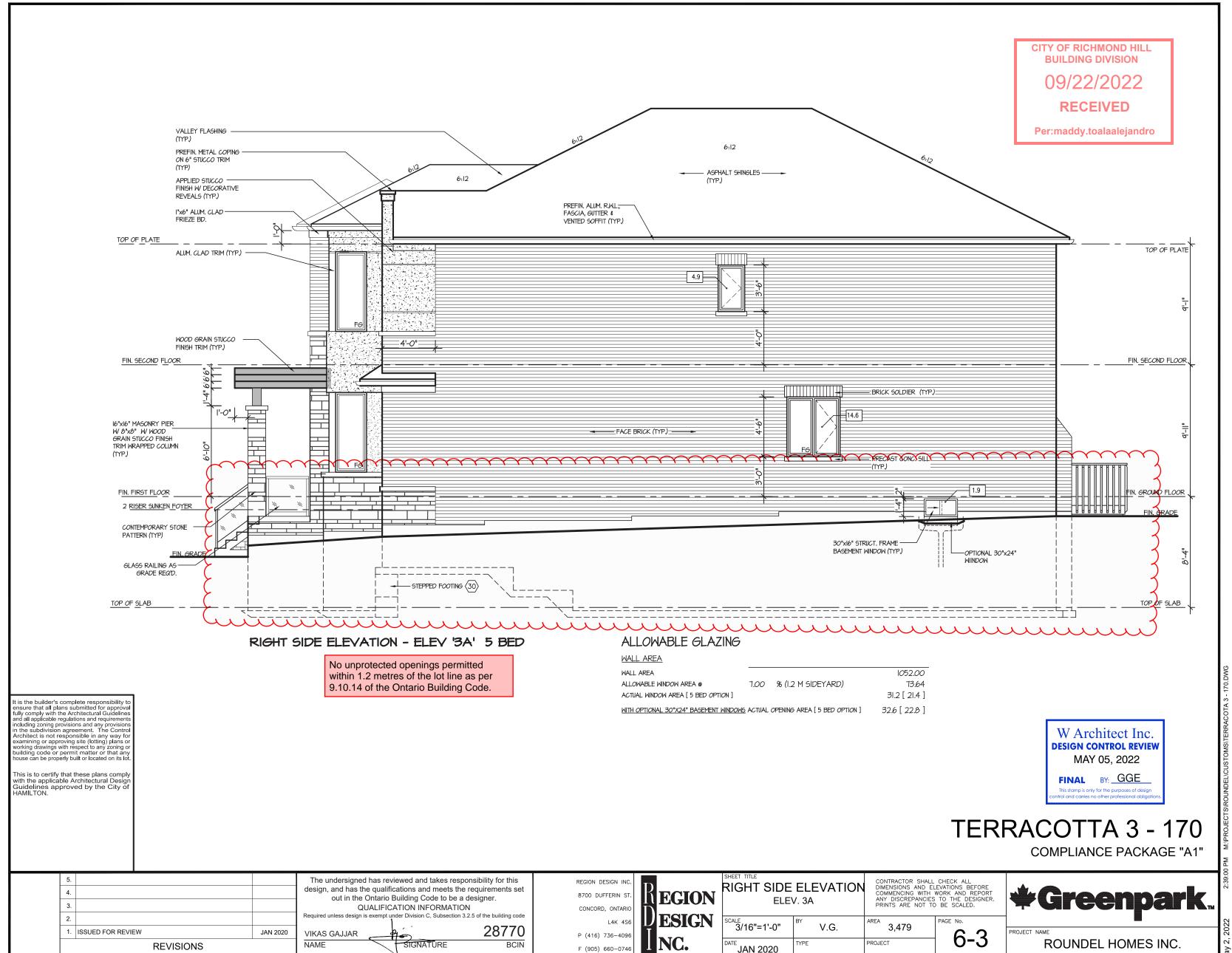


FRONT ELEVATION ELEV. 3A 3/16"=1'-0" V.G. 3,479 4-3 PROJECT JAN 2020

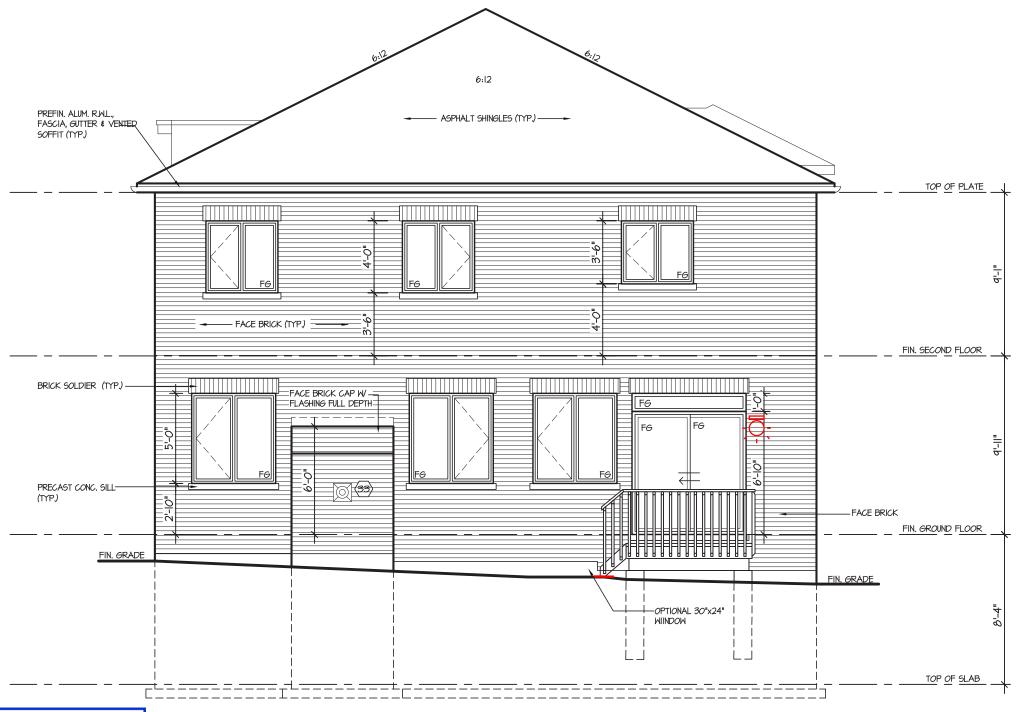


ROUNDEL HOMES INC.





Per:maddy.toalaalejandro



It is the bullder'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 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. REAR ELEVATION - ELEV. '3A' (5 BED)

MAY 05, 2022

FINAL BY: GGE

This stamp is only for the purposes of design control and carries no other professional obligations.

W Architect Inc.

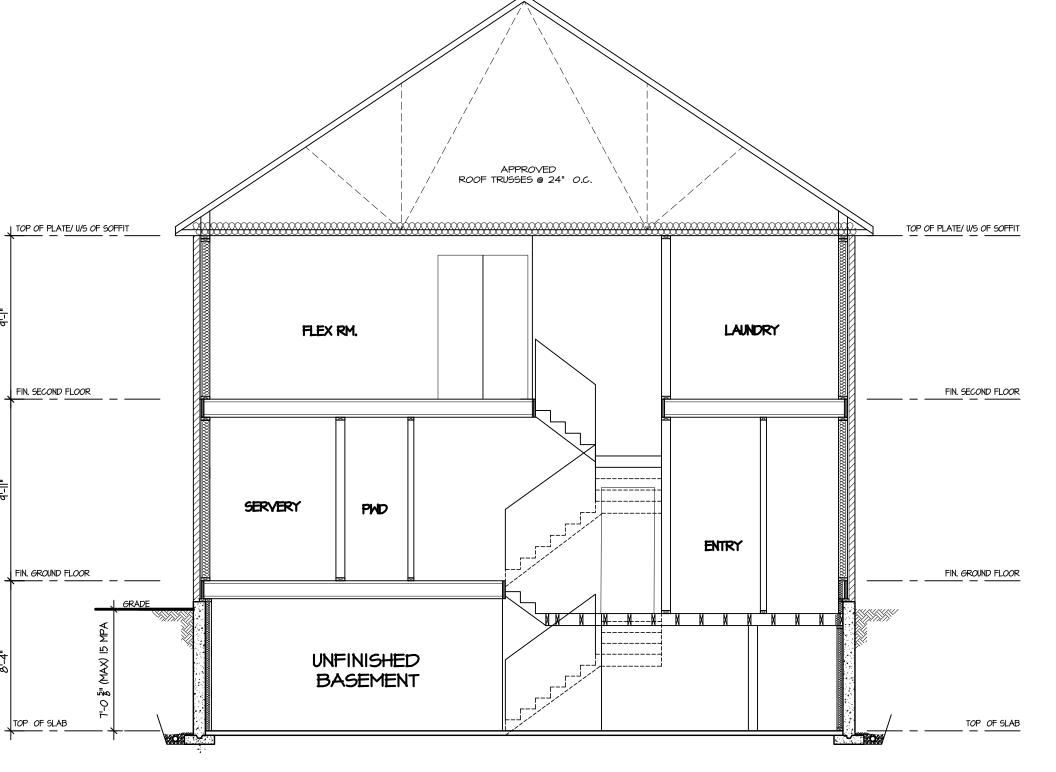
DESIGN CONTROL REVIEW

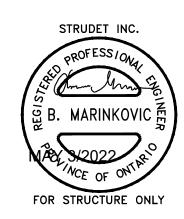
TERRACOTTA 3 - 170

COMPLIANCE PACKAGE "A1"

5. 4. 3.		The undersigned has reviewed and takes re design, and has the qualifications and meets out in the Ontario Building Code to be QUALIFICATION INFORMAT	the requirements set a designer.	REGION DESIGN INC. 8700 DUFFERIN ST. CONCORD, ONTARIO	ECION	REAR ELE		CONTRACTOR SHALL DIMENSIONS AND E COMMENCING WITH ANY DISCREPANCIES PRINTS ARE NOT T	LEVATIONS BEFORE	<b>*Greenpark</b>	2:39:02
2.		Required unless design is exempt under Division C, Subsecti	· ·	L4K 4S6	ESIGN	SCALE 3/16"=1'-0"	V.G.	AREA 3,479	PAGE No.		
1. ISSUED FOR REVIEW REVISIONS	JAN 2020	VIKAS GAJJAR NAME SIGNATURE	28770 BCIN	P (416) 736-4096 F (905) 660-0746	NC.	DATE JAN 2020	TYPE	PROJECT .	<b>−</b> 7	ROUNDEL HOMES INC.	lay 2, 20

2:39:02 PM M:/PROJECTS/ROUNDEL\CUSTOMS\TERRACC





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

CROSS SECTION

# TERRACOTTA 3 - 170

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  Required unless design is exempt under Division C, Subsection 3.2.5 of the building code		ON  CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.		<b>#Greenpark</b>					
Issued for review  REVISIONS	JAN 2020	1	28770 BCIN		ESIGN NC.	3/16"=1'-0" BY V.G.  DATE JAN 2020 TYPE	AREA 3,479 PROJECT	PAGE No.	PROJECT NAME ROUNDEL HOMES INC.	lay 2, 2022