8" OR 10" FOUNDATION WALLS WITH 2"X8" / 2"X10" FLOOR JOISTS 20"x6" CONCRETE STRIP FOOTINGS BELOW FOUNDATION WALLS. 24"x8" CONCRETE STRIP FOOTINGS BELOW PARTY WALLS.

FOUNDATION WALLS WITH ENGINEED 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

(REFER TO FOOTING DETAILS ON ENGINEERED FILL)

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

20 KPa NATIVE SOIL

90 KPa ENGINEERED FILL SOIL = 42"x42"x18" CONCRETE PAD FI = 48"x48"x20" CONCRETE PAL

F2 = 36"x36"x16" CONCRETE PAD F2 = 40"x40"x16" CONCRETE PAI F3 = 30"x30"x12" CONCRETE PAD F4 = 24"x24"x12" CONCRETE PAD F5 = 16"x16"x8" CONCRETE PAD F3 = 34"x34"x14" CONCRETE PAD F4 = 28"x28"x12" CONCRETE PAD F5 = 18"x18"x8" CONCRETE PAD

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

WHEN VENEER CUT IS GREATER THAN 26" A 10" POURED CONC. FDTN. WALL IS REQUIRED.

ALL GARAGE SLABS PORCH SLABS STAIRS (EXPOSED CONC FLAT WORK) TO BE 32 MPa WITH 5-8% AIR ENTRAITMENT

 $\overline{\text{MLI}} = 3 - 1/2 \text{"x3} - 1/2 \text{"x1/4"L} / \text{MOx90x6.0L} + 2 - 2 \text{"x6" SPR. No.2}$ $\overline{\text{ML2}} = 4 \text{"x3} - 1/2 \text{"x5/16"L} (100 \text{x90x8.0L}) + 2 - 2 \text{"x6" SPR. No.2}$ $\overline{\text{ML3}} = 5 \text{"x3} - 1/2 \text{"x5/16"L} (125 \text{x90x8.0L}) + 2 - 2 \text{"x10" SPR. No.2}$

ML4 = 6"x3-1/2"x3/6"L (150x90x10.0L) + 2-2"x12" 5PR. No.2 ML5 = 6"x4"x3/6"L (150x100x10.0L) + 2-2"x12" 5PR. No.2

 $\begin{array}{l} \text{ML6} = 5^{\text{t}} \times 3^{\text{-}} 1/2^{\text{t}} \times 5/16^{\text{t}} \text{L} \; & (125 \times 90 \times 8.0 \text{L}) + 2 - 2^{\text{t}} \times 12^{\text{t}} \; \text{SPR. No.2} \\ \text{ML7} = 5^{\text{t}} \times 3^{\text{-}} 1/2^{\text{t}} \times 5/16^{\text{t}} \text{L} \; & (125 \times 90 \times 8.0 \text{L}) + 3 - 2^{\text{t}} \times 10^{\text{t}} \; \text{SPR. No.2} \\ \text{ML8} = 5^{\text{t}} \times 3^{\text{-}} 1/2^{\text{t}} \times 5/16^{\text{t}} \text{L} \; & (125 \times 90 \times 8.0 \text{L}) + 3 - 2^{\text{t}} \times 12^{\text{t}} \; \text{SPR. No.2} \\ \end{array}$

WL9 = 6"x4"x3/8"L (150x100x10.0L) + 3-2"x12" SPR. No.2

WOOD 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)

MB2 = 5-2"x10" SPR, No.2 (3-35x134 SPR, No.2)
MB3 = 2-2"x10" SPR, No.2 (2-36x235 SPR, No.2)
MB4 = 3-2"x10" SPR, No.2 (3-36x235 SPR, No.2)
MB5 = 2-2"x12" SPR, No.2 (2-36x266 SPR, No.2)
MB6 = 3-2"x12" SPR, No.2 (3-36x266 SPR, No.2)
MB7 = 5-2"x12" SPR, No.2 (4-36x266 SPR, No.2)
MB11 = 4-2"x10" SPR, No.2 (4-36x266 SPR, No.2) WB12 = 4-2"x12" SPR, No.2 (4-38x286 SPR, No.2)

LAMINATED VENEER LUMBER (LVL) BEAMS

LVLIA = |-| 3/4" x 7 |/4" (|-45x|84) LVLI = 2-| 3/4" x 7 |/4" (2-45x|84) LVL2 = 3-| 3/4" x 7 |/4" (3-45x|84) LVL3 = 4-| 3/4" x 7 |/4" (4-45x|84)

LVL4A = I-I 3/4" x 9 I/2" (I-45x240) LVL4 = 2-I 3/4" x 9 I/2" (2-45x240) LVL5 = 3-I 3/4" x 9 I/2" (3-45x240)

LVL5 = 3-| 3/4" x 9 |/2" (3-45x240) LVL5A = 4-| 3/4" x 9 |/2" (4-45x240) LVL6A = |-| 3/4" x || 7/8" (1-45x300) LVL6 = 2-| 3/4" x || 7/8" (2-45x300) LVL7 = 3-| 3/4" x || 7/8" (3-45x300) LVL7A = 4-| 3/4" x || 7/8" (4-45x300) LVL8 = 2-| 3/4" x |4" (2-45x356) LVL9 = 3-| 3/4" x |4" (3-45x356) LVL10 = 2-| 3/4" x |8" (3-45x456)

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)

Dai	OR SCHE	DULE			
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	

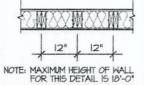
SPACE CONVENTIONAL FLOOR JOISTS @ 12" OC BELOW ALL CERAMIC TILE AREAS PROVIDE I ROW BRIDGING FOR SPANS OF 5'-7', 2 ROWS FOR SPANS GREATER THAN T

REFER TO ROOF TRUSS SHOP DRAWINGS FOR ALL ROOF FRAMING INFORMATION

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

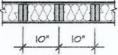
REFER TO FLOOR FRAMING SHOP DRAWINGS FOR ENGINEERED FRAMING LAYOUTS

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



TWO STORY HEIGHT WALL DETAIL

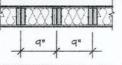
2 - 1 1/2" x 5 1/2" TIMBERSTRAND (LSL) 1.5E STUD WALL GLUED AND NAILED TOGETHER AND SPACED MAX. 810"O.C. FULL HT C/M SOLID BLOCKING MAX. 8'-0"O.C. VERTICAL AND 1/16" EXT. OSB SHEATHING.



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

TWO STORY HEIGHT WALL DETAIL

2 - 1 1/2" x 5 1/2" TIMBERSTRAND (LSL) 1.5E STUD WALL GLUED AND NAILED TOGETHER AND SPACED MAX. @9"O.C. FULL HT C/W SOLID BLOCKING MAX. &'-O"O.C. VERTICAL AND 7/16" EXT. OSB SHEATHING.



MAXIMUM HEIGHT OF WALL FOR THIS DETAIL IS 21'-5" AND MAXIMUM WIDTH IS 40'-0"

TWO STORY HEIGHT WALL DETAIL

CI = 4"X4"XI/4" H.S.S. W 10"X8"X1/2" BASE PLATE \$ 2-3/4" DIA. ANCHOR BOLTS C2 = 5"X5"X1/4" H.S.S.W 12"X12"X1/2" BASE PLATE & 4-3/4" DIA

ANCHOR BOLTS USE 4 BOLTS FOR MOMENT CONNECTION

M" - MOMENT CONNECTION BEAM/COULMN 35 kNm

AREA CALCULATIONS			ELEV. 2		
GROUND FLOOR AREA	=		1232	Sq. Ft	
SECOND FLOOR AREA	=		1602	Sq. Ft.	
TOTAL FLOOR AREA	=		2834	Sq. Ft.	
			263.29	Sq. M.	
IST FLOOR OPEN AREA	22	0		Sq. Ft.	
2ND FLOOR OPEN AREA	55	14		Sq. Ft.	
ADD TOTAL OPEN AREAS	==		14	Sq. Ft.	
ADD FIN, BASEMENT AREA	=		0	Sq. Ft.	
GROSS FLOOR AREA	=		2848	Sq. Ft.	
			264.59	Sq. M.	
GROUND FLOOR COVERAGE	=		1232	Sq. Ft.	
GARAGE COVERAGE /AREA	=		397	Sq. Ft.	
PORCH COVERAGE / AREA	=		58	Sq. Ft.	
TOTAL COVERAGE W PORCH	=		1687	Sq. Ft.	
A STATE OF THE PROPERTY OF THE	=		156.73	Sq. m.	
TOTAL COVERAGE WO PORCH	=		1629	Sq. Ft.	
	=		151.34	Sq. m.	

5A-553	CREEK	ELV. 2	V		
ELEVATI ON	WALL FT ²	WALL MT ²	OPENING FT ²	OPENING MT ²	PERCENTA GE
FRONT	801.37	74.45	115.22	10.70	14.38 %
LEFT SIDE	1250.57	116.18	69.01	6.41	5.52 %
RIGHT SIDE	1250.57	116.18	47.96	4.46	3.84 %
REAR	722.29	67.10	147.42	13.70	20.41 %
TOTAL	4024.80	373.92	379.61	35.27	9.43 %

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

COMPLIANCE PACKAGE "AI" COMPONENT NOTE CEILING WITH ATTIC SPACE 10.57 MINIMUM RSI (R) VALUE (R60) CEILING WITHOUT ATTIC SPACE MINIMUM RSI (R) VALUE 5.46 (R31) 5.46 MINIMUM RSI (R) VALUE (R31) WALLS ABOVE GRADE 3.87 MINIMUM RSI (R) VALUE (R22) BASEMENT WALLS 352 MINIMUM RSI (R) VALUE (R20 BLANKET) HEATED SLAB OR SLAB < 600mm BELOW GRADE (RIO) MINIMUM RSI (R) VALUE ENERGY RATING = 25, WINDOWS & SLIDING GLASS DOORS MAXIMUM U-VALUE MAX. U=0.28 SPACE HEATING EQUIPMENT MINIMUM AFUE 96%

75%

MIN. EF O.BO

CITY OF HAMILTON **Building Division**

Permit No. 21-163000

APR 0 8 2022

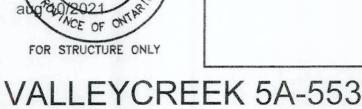
FOR JOL

STRUDET INC.

PROFESSIONAL

B. MARINKOVIC A

his is to certify that these plans co with the applicable Architectural Desig Guidelines approved by the City of HAMILTON



COMPLIANCE PACKAGE "A1"

LOT 553 SPECIAL DRAWINGS JUNE 202 ISSUED FOR PERMIT MAY 2021 1. ISSUED FOR COORDINATION FEB 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

BCIN

VIKAS GAJJAR NAME SIGNATURE

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

F (905) 860-0746

MINIMUM EFFICIENCY

HOT WATER TANK

EGION ESIGN

SHEET TITLE GEN	IERAL N & CHART	
SCALE	BY	N

CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER PRINTS ARE NOT TO BE SCALED. TES

MB 2,930 0 12-04-19 JAN 2021

RUSSELL GARDENS PH.4

