UNINSULATED OPENINGS (PER OBC. SB-12,3.1.1(7))				
HIGHGROVE 11, ELEV. '2'	ENERGY EFFICIENCY - OBC SB12			
ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE	
FRONT	731.85 S.F.	100.25 S.F.	13.70 %	
LEFT SIDE	1007.58 S.F.	185.09 S.F.	18.37 %	
RIGHT SIDE	142.44 S.F.	0.0 S.F.	0.00 %	
REAR	703.85 S.F.	126.43 S.F.	17.96 %	
* OPENINGS OMITTED AS PER SB-12 3.1.1.9(4) MAX 19.9 S.F. REFER TO ELEVATION FOR LOCATION		0.0 S.F.		
TOTAL SQ. FT.	2585.72 S.F.	411.77 S.F.	15.92 %	
TOTAL SQ. M.	240.22 S.M.	38.25 S.M.	15/92 %	

AREA CALCULATIONS	FIFV '2'
GROUND FLOOR AREA	1132 SF
SECOND FLOOR AREA	1319 SF
TOTAL FLOOR AREA	2451 SF
	(227.70 m2)
FIRST FLOOR OPEN AREA	0 SF
SECOND FLOOR OPEN AREA	0 SF
ADD TOTAL OPEN AREAS	+0 SF
add finished bsmt area	+0 SF
GROSS FLOOR AREA	2451 SF
	(227.70 m2)
GROUND FLOOR COVERAGE	1132 SF
GARAGE COVERAGE/AREA	223 SF
PORCH COVERAGE/AREA	59 SF
COVERAGE W/ PORCH	1414 SF
	(131.36 m2)
COVERAGE W/O PORCH	1355 SF
	(125.88 m2)

(OBC 9.30.6)

2 ROWS FOR SPANS GREATER THAN 7'0".

BELOW ALL CERAMIC TILE AREAS. PROVIDE 1 ROW BRIDGING FOR SPANS OF 5'0"-7'0",

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

STRIP FOOTINGS - FOR SINGLES & SEMIS UP TO 2 STOREYS

8" OR 10" FOUNDATION WALLS WITH 2"x8" / 2"x10" FLOOR JOISTS 20"x6" CONCRETE STRIP FOOTINGS BELOW FOUNDATION WALLS.

TOOTINGS ON ENGINEERED FILL 24"x8" CONCRETE STRIP FOOTINGS WITH REINFORCING. BELOW EXTERIOR WALLS. 30"x8" CONCRETE STRIP FOOTINGS WITH REINFORCING.

24"x8" CONCRETE STRIP FOOTINGS BELOW PARTY WALLS.

BELOW PARTY WALLS. (REFER TO ENGINEER FILL FOOTING DETAIL)

ssume the larger footing size when two conditions apply

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

PAD FOOTINGS

90 KPa. ENGINEERED FILL SOIL 120 KPa. NATIVE SOIL F1 = 42"x42"x18" Concrete PAD F1 = 48"x48"x20" Concrete PAD F2 = 36"x36"x16" CONCRETE PAD F2 = 40"x40"x16" CONCRETE PAD F3 = 30"x30"x12" CONCRETE PAD F3 = 34"x34"x14" CONCRETE PAD F4 = 24"x24"x12" CONCRETE PAD F4 = 28"x28"x12" CONCRETE PAD F5 = 16"x16"x8" Concrete PAD F5 = 18"x18"x8" Concrete PAD

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

<u>VENEER CUT</u>

WHEN VENEER CUT IS GREATER THAN 26", A 10" POURED CONCRETE FOUNDATION WALL IS REQUIRED.

EXPOSED CONCRETE (FLATWORK)

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

BRICK VENEER LINTELS (WL)

WL1 = $3-1/2^{\circ} \times 3-1/2^{\circ} \times 1/4^{\circ} L$ (90×90×6.0L) + WL2 = $4^{\circ} \times 3-1/2^{\circ} \times 5/16^{\circ} L$ (100×90×8.0L) + WL3 = $5^{\circ} \times 3-1/2^{\circ} \times 5/16^{\circ} L$ (125×90×8.0L) + WL4 = $6^{\circ} \times 3-1/2^{\circ} \times 3/8^{\circ} L$ (150×90×10.0L) + W15 = $6^{\circ} \times 3^{\circ} \times 3/8^{\circ} L$ (150×90×10.0L) + 2-2"x8" SPR. No.2 2-2"x8" SPR. No.2 2-2"x10" SPR. No.2 2-2"x12" SPR. No.2 WL4 = 6 x 3-1/2 x 3/8 L (150x100x10.0L) WL5 = 6" x 4" x 3/8"L (150x100x10.0L) WL6 = 5" x 3-1/2" x 5/16"L (125x90x8.0L) WL7 = 5" x 3-1/2" x 5/16"L (125x90x8.0L) WL8 = 5" x 3-1/2" x 5/16"L (125x90x8.0L) WL9 = 6" x 4" x 3/8"L (150x100x10.0L) 2-2"x12" SPR. No.2 2-2"x12" SPR. No.2 3-2"x12" SPR. No.2 3-2"x10" SPR. No.2 3-2"x10" SPR. No.2

WOOD LINTELS AND BEAMS (WB)

WB1 =2-2"x8" (2-38x184) SPR. No.2 WB2 =3-2"x8" (3-38x184) SPR. No.2 WB3 =2-2"x10" (2-38x235) SPR. No.2 WB4 =3-2"x10" (2-38x235) SPR. No.2 WB5 =2-2"x12" (2-38x286) SPR. No.2 WB6 =3-2"x12" (3-38x286) SPR. No.2 WB7 =5-2"x12" (5-38x286) SPR. No.2 WB11 =4-2"x10" (4-38x235) SPR. No.2 WB12 =4-2"x12" (4-38x286) SPR. No.2

LAMINATED VENEER LUMBER (LVL) BEAMS

=1-1 3/4"x7 1/4" (1-45x184) =2-1 3/4"x7 1/4" (2-45x184) =3-1 3/4"x7 1/4" (3-45x184) =4-1 3/4"x7 1/4" (4-45x184) =2-1 3/4"x7 1/4" (2-45x184) =3-1 3/4"x7 1/4" (3-45x184) =4-1 3/4"x7 1/4" (4-45x184) =1-1 3/4"x9 1/2" (1-45x240) =2-1 3/4"x9 1/2" (2-45x240) =3-1 3/4"x9 1/2" (3-45x240) =4-1 3/4"x9 1/2" (4-45x240) =1-1 3/4"x11 7/8" (1-45x300) =2-1 3/4"x11 7/8" (2-45x300) =3-1 3/4"x11 7/8" (3-45x300) =3-1 3/4"x14" (2-45x356) =3-1 3/4"x14" (3-45x356) =3-1 3/4"x14" (3-45x356) LVL1 LVL3 LVL4A LVL4 LVL5A LVL6A LVL6 LVL8

LOOSE STEEL LINTELS (L)

L1 =3-1/2" x 3-1/2" x 1/4"L (90x90x6.0L) L2 =4" x 3-1/2" x 5/16"L (100x90x8.0L) L3 =5" x 3-1/2" x 5/16"L (125x90x8.0L) L4 =6" x 3-1/2" x 3/8"L (150x90x10.0L) L5 =6" x 4" x 3/8"L (150x100x10.0L) L6 =7" x 4" x 3/8"L (180x100x10.0L)

CERAMIC TILE FOR CONVENTIONAL LUMBER

SPACE ALL CONVENTIONAL FLOOR JOISTS @ 12" O.C

NOTE: ROOF FRAMING
REFER TO ROOF TRUSS SHOP DRAWINGS FOR ALL ROOF FRAMING INFORMATION UNLESS OTHERWISE NOTED.

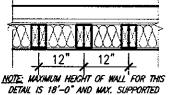
PLANS NOT DRAWN TO ACTUAL GRADE. REFER TO FINAL APPROVED GRADING PLAN.

NOTE: ENGINEERED FLOOR FRAMING
REFER TO ENGINEERED FLOOR FLAYOUTS FOR ALL ENGINEERED FLOOR FRAMING INFORMATION AND DETAILS, UNLESS OTHERWISE NOTED.

TWO STOREY HEIGHT

<u>WALL DETAIL</u>

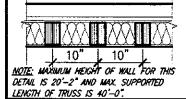
2-2"x6" Stud Wall Nailed Together and SPACED • 12°o.g. FULL HEIGHT, c/w SOLID BLOCKING @ 4'-0" o.c. VERTICAL AND 7/16' EXT. PLYWOOD SHEATHING.



TWO STOREY HEIGHT

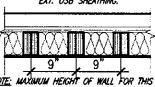
LENGTH OF TRUSS IS 40'-0".

2-1 1/2"x 5 1/2" TIMBERSTRAND (LSL) 1.5E STUD WALL GLUED & NAILED TOGETHER AND PACED MAX, 🛭 10 o.c. FULL HEIGHT, c/w SOLID BLOCKING • 8'-0" o.c. VERTICAL AND 7/16" EXT. OSB SHEATHING.



TWO STOREY HEIGHT

<u>WALL DETAIL</u> 2-1 1/2"x 5 1/2" TIMBERSTRAND (LSL) 1.5E STUD WALL GLUED & NAILED TOGETHER AND SPACED MAX. • 9"o.c. FULL HEIGHT, c/w SOLID BLOCKING @ 8'-0" o.c. VERTICAL AND 7/16" EXT. OSB SHEATHING.



<u>NOTE:</u> MAXIMUM HEIGHT OF WALL FOR THIS DETAIL IS 21'-5" AND MAX. SUPPORTED LENGTH OF TRUSS IS 40'-0".

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 house can be groperly 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.

DOOR SCHEDULE NOS. WIDTH HEIGHT HEIGHT TYPE 10 OR MORE 8' to 9' CEILING 6'-8" NSULATED ENTRANCE DOOR 2'-10" NSULATED FRONT DOORS 2'-8" WOOD & GLASS DOOR INSULATED EXT. SLAB DOOR 8'-0" 8'-0" 8'-0" 2'-8" 2'-6" 6'-8" 6'-8" 6'-8" INTERIOR SLAB DOOR INTERIOR SLAB DOOR INTERIOR SLAB DOOR INTERIOR SLAB DOOR



OCT N 4 2017

HIGHGROVE COMPLIANCE PACKAGE 'A1

REVISED, ISSUED FOR PERMIT SEP. 29/17 GV ISSUED FOR PRICING. AUG. 23/17 GV 4 REVISED AS PER CLIENT COMMENTS. JUN 21/17 WT 3 CHANGED JOIST DEPTH/ FLOOR HEIGHTS JUN 15/17 G 2 REVISED PER CLIENT COMMENTS. MAY 03/17 G 1 ISSUED FOR CLIENT REVIEW. APR. 19/17 GV description date by no. description date by

VA3 Design Inc. contractor must venity of di

255 Consumers Rd Suite 120 2017-04
Toronto ON M2J 1R4 drawn by
416.630.2255 1 416.630.4782 BD.BIM

RUSSELL GARDENS PH.2 date 2017-04

HIGHGROVE 11 B218-6 WATERDOWN, ON. 16036

A0

GENERAL NOTES & CHARTS 9cole 3/16" = 1'-0" 16036-HIGHGROVE 1 UREC - HILARCHMENMORKINO\2016\16036.CAE\Units\HIGHGROVE\HIGHGROVE-11\18036-HIGHGROVE 11.6mg - Fri - Sep 29 2017 - 11:44 A

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