

NOTE J1:
PROVIDE SOLID BLOCKING
@ 24" O.C. WHERE FLOOR
JOISTS ARE PARALLEL TO
FOUNDATION WALL (TYP.)

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ARCHITECTURAL REVIEW & APPROVAL

MAY 16 2017

John G. Williams Limited, Architect

VINYL CLAD
STRUCTURAL STL.
FRAME BASEMENT
WINDOW (TYPICAL)

NOTE W1
PROVIDE 2-15M FULL
HEIGHT VERTICAL REBARS
EACH SIDE OF OPENING
+ 2-15M HORIZ. REBARS
BELOW AND EXTEND 24"
BEYOND OPENING
PROVIDE 3" CLEAR COVER
FROM SOIL SIDE

4" DIA. VENT W/
INSECT SCREEN

CHECK FOUNDATION WALL
FOR PORCH SLAB ABOVE

UNEX.
(REMOVE TOP
SOIL ONLY)



FOUNDATION WALL TO
BE 10" THICK 20MPa
CONC. ANCHOR SILL
PLATE TO WALL W/
1/2" DIA BOLTS @
4'-0" O.C. FOOTING TO
BE 22"x6" THICK

NOTE: ALL LVL'S SUPPORTING
FLOOR LOADS ARE TO BE
SPECIFIED BY FLOOR TRUSS
MANUFACTURER.

NOTE: FLOOR FRAMING INFO
REFER TO SHOP DRAWINGS
FOR ALL TRUSS-JOIST
INFORMATION AND DETAILS.
UNLESS OTHERWISE NOTED.

NOTE: SPACE ALL FLOOR
JOISTS @ 12" O.C. UNDER
ALL CERAMIC TILE AREAS.

BASEMENT PLAN 'A'

LOT 325

AREA CALCULATIONS ELEV. A	
GROUND FLOOR AREA	1558 SF
SECOND FLOOR AREA	1896 SF
SUBTOTAL	3454 SF
DEDUCT ALL OPEN AREAS	0 SF
TOTAL NET AREA	3454 SF (320.89 m ²)
FINISHED BSMT AREA	0 SF
COVERAGE W/OUT PORCH	2004 SF (186.18 m ²)
COVERAGE W/ PORCH	2260 SF (209.96 m ²)

UNEXCAVATED
(REMOVE TOP SOIL ONLY)

CHECK FOUNDATION WALL FOR
O.H. GARAGE DOOR ABOVE

CHECK FOUNDATION WALL FOR
O.H. GARAGE DOOR ABOVE

MIN. SOIL BEARING
CAPACITY OF 150KPa

9.	.	.	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.
8.	.	.	qualification information
7.	.	.	Wellington Jno-Baptiste 25591
6.	.	.	signature BCIN
5.	.	.	registration information
4.	REVISED AS PER ENG'S COMMENTS	MAY 03-17 RC	VA3 Design Inc. 42658
3.	REVISED FOR LOT 325	APR 05-17 CL	
2.	REVISED AS PER ENG'S COMMENTS	15-04-27 RC	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.
1.	ISSUED FOR CLIENT REVIEW	14-09-12	
no.	description	date	by

**VA3
DESIGN**

255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON

S42-8C
RIDEAU 8

project name	GREEN VALLEY ESTATES	municipality	BRADFORD, ON	project no.	13045
date	SEPTEMBER 2014	checked by	N.HUR	scale	3/16" = 1'-0"
drawn by	N.HUR	checked by	N.HUR	file name	13045-S42-8C-LOT 325
BASEMENT PLAN 'A'					drawing no.
1					1

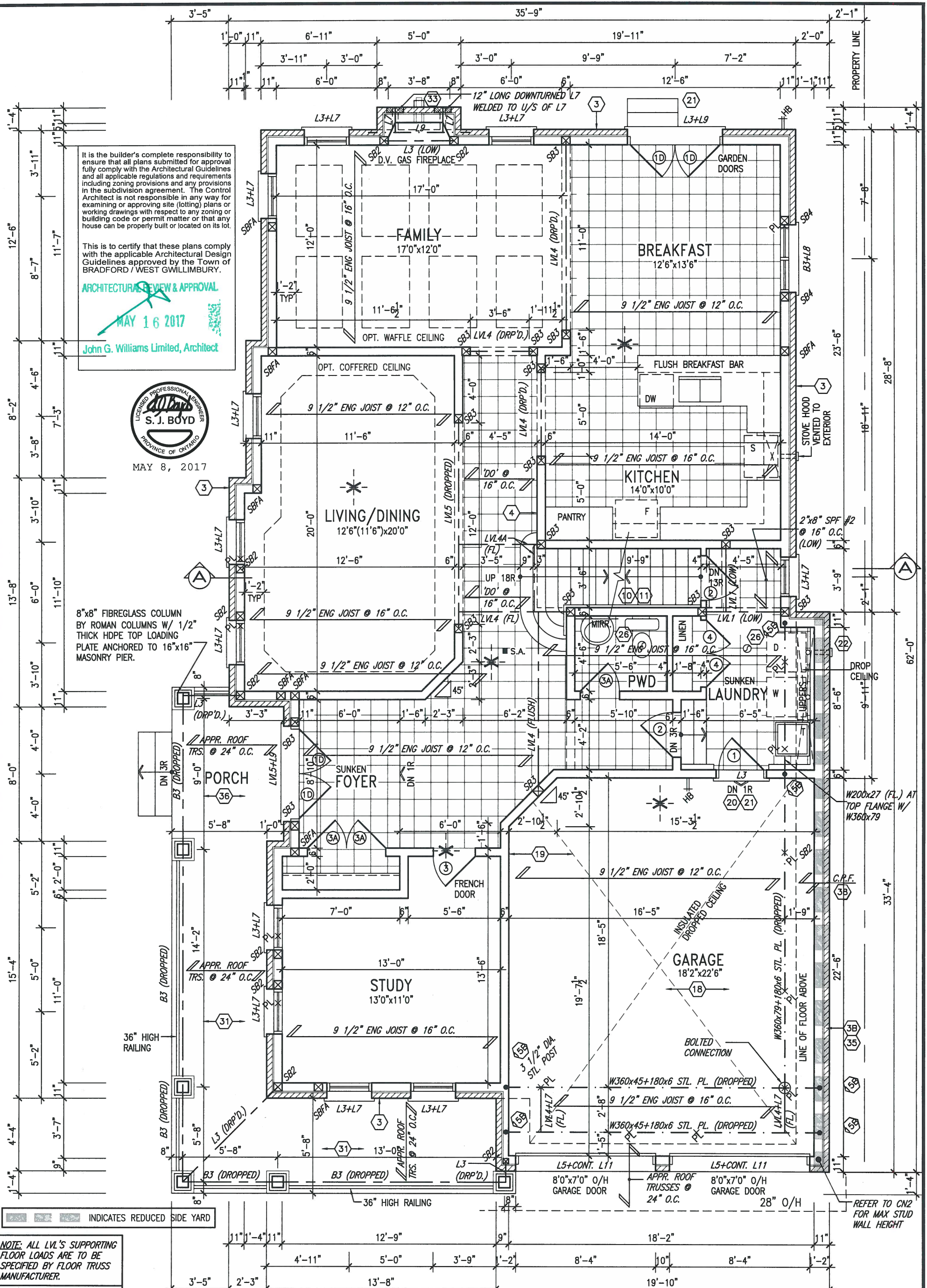
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8"x8" FIBREGLASS COLUMN BY ROMAN COLUMNS W/ 1/2" THICK HDPE TOP LOADING PLATE ANCHORED TO 16"x16" MASONRY PIER.



GROUND FLOOR PLAN 'A' LOT 325

NOTE: ALL LVL'S SUPPORTING FLOOR LOADS ARE TO BE SPECIFIED BY FLOOR TRUSS MANUFACTURER.

NOTE: FLOOR FRAMING INFO REFER TO SHOP DRAWINGS FOR ALL TRUSS-JOIST INFORMATION AND DETAILS. UNLESS OTHERWISE NOTED.

NOTE: SPACE ALL FLOOR JOISTS @ 12" O.C. UNDER ALL CERAMIC TILE AREAS.

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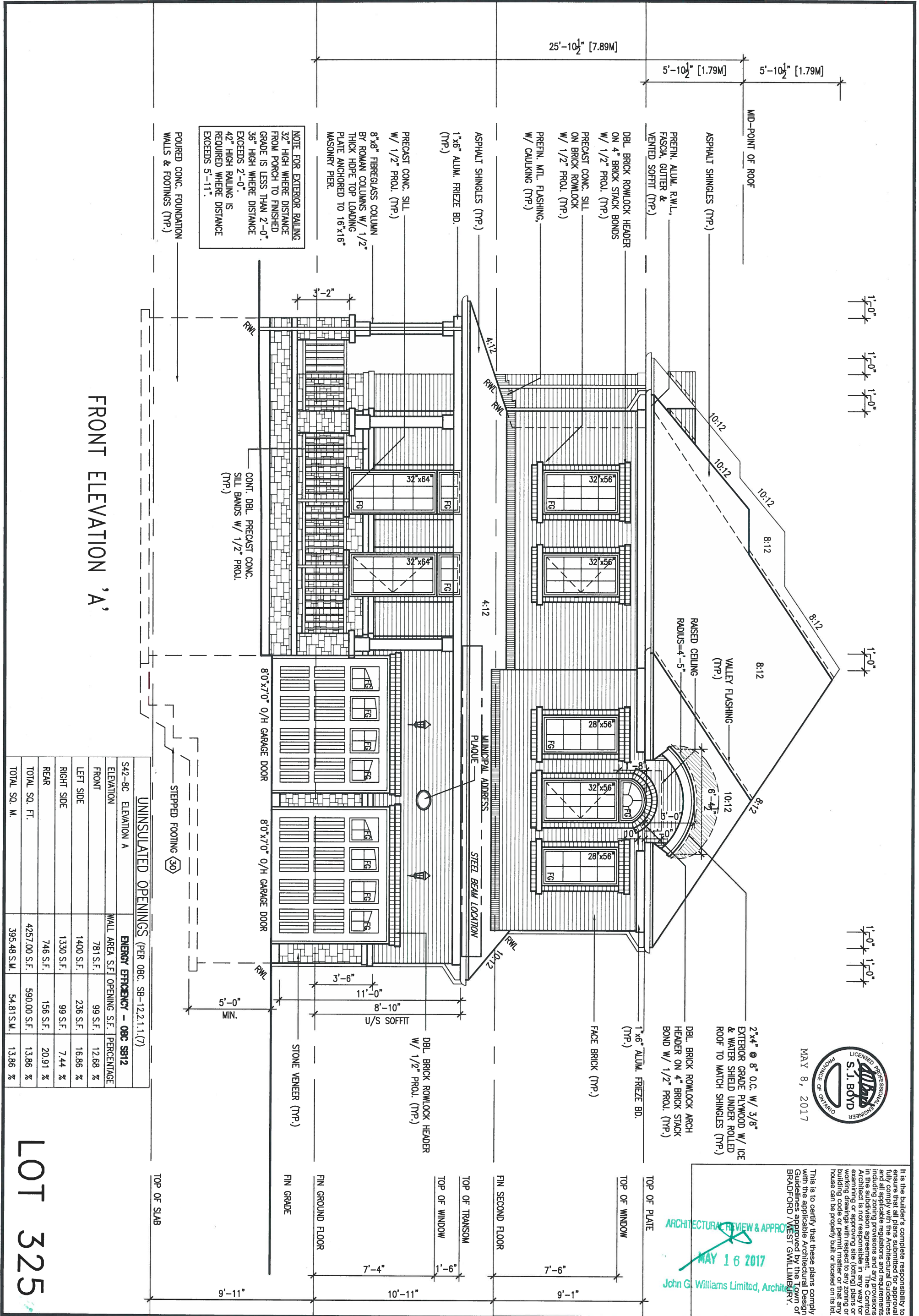
qualification information
Wellington Jno-Baptiste 25591
name
registration information BCIN
VA3 Design Inc. 42658

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BAYVIEW WELLINGTON		S42-8C RIDEAU 8	
project name GREEN VALLEY ESTATES	municipality BRADFORD, ON	project no. 13045	drawing no. 2
date SEPTEMBER 2014	checked by N.HUR	scale 3/16" = 1'-0"	file name 13045-S42-8C-L0T 325
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MAY 8, 2017

This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the Town of Bradford West Gwillimbury.

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ARCHITECTURAL REVIEW & APPROVAL
MAY 16 2017
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8		Wellington Jno-Baptiste		BCIN		GREEN VALLEY ESTATES		RIDEAU 8		13045	
7		qualification information		42658		BRADFORD, ON		FRONT ELEVATION 'A'		drawing no.	
6		name registration information		VA3 Design Inc.		date		file name		4	
5		Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.		25591		SEPTEMBER 2014		13045-S42-8C-Lot 325		13045-S42-8C-Lot 325	
4		REVISED AS PER ENG'S COMMENTS		MAY 03-17		drawn by		checked by		scale	
3		REVISED FOR LOT 325		APR 05-17		N.HUR		-		3/16" = 1'-0"	
2		REVISED AS PER ENG'S COMMENTS		15-04-27		RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\42\Phase 4A\13045-S42-8C-Lot 325.dwg - Wed - May 3 2017 - 12:17 PM					
1		ISSUED FOR CLIENT REVIEW		14-09-12							
no.		description		date		by					

REFER TO FRONT ELEVATION FOR
TYPICAL NOTES.



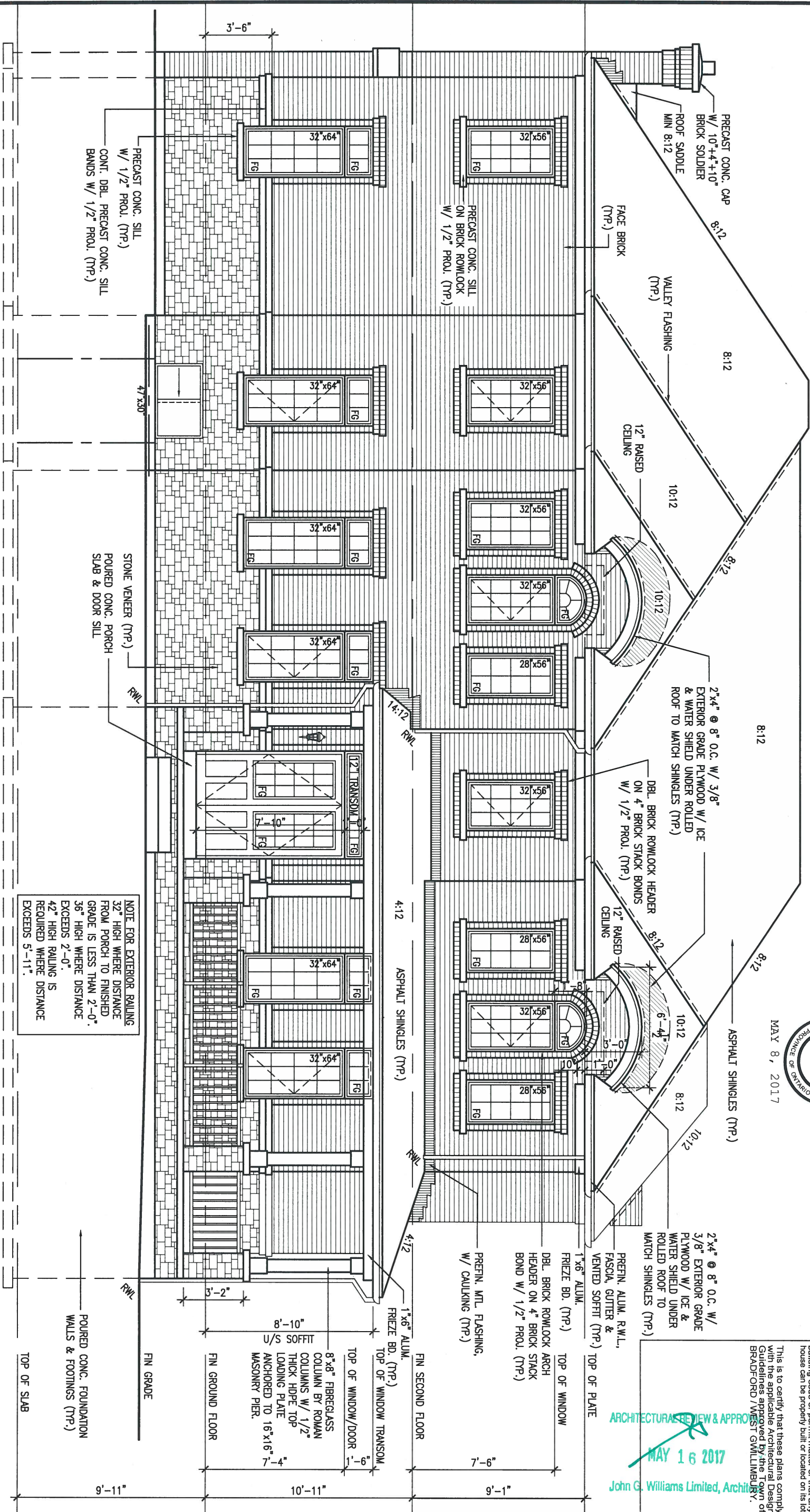
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FLANKAGE ELEVATION 'A'

LOT 325



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8 . . .			qualification information			DESIGN			project name			RIDEAU 8		
7 . . .			Wellington Jno-Baptiste			25591			municipality			project no.		
6 . . .			signature			BCIN			GREEN VALLEY ESTATES			13045		
5 . . .			name			42658			BRADFORD, ON			drawing no.		
4 REVISED AS PER ENG'S COMMENTS			MAY 03-17			RC			date			LEFT SIDE ELEVATION 'A'		
3 REVISED FOR LOT 325			APR 05-17			CL			N.HUR			file name		
2 REVISED AS PER ENG'S COMMENTS			15-04-27			RC			checked by			13045-S42-8C-LOT 325		
1 ISSUED FOR CLIENT REVIEW			14-09-12			.			scale			5		
no. description			date			by			3/16" = 1'-0"			RICHARD - H:\ARCHIVE\WORKING\2013\13045\BW\units\42\Phase 4A\13045-S42-8C-LOT 325.dwg - Wed - May 3 2017 - 12:17 PM		

REFER TO FRONT ELEVATION FOR
TYPICAL NOTES.

2'-4" 1'-0"

1'-0"

1'-0"



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MAY 16 2017
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S42-8C
RIDEAU 8

project no.
13045

drawing no.
6

BAYVIEW WELLINGTON

project name
GREEN VALLEY ESTATES

municipality
BRADFORD, ON

date
SEPTEMBER 2014

drawn by
N.HUR

checked by
-

scale
3/16" = 1'-0"

RIGHT SIDE ELEVATION 'A'

file name
13045-S42-8C-LOT 325

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qualification information

Wellington Jno-Baptiste

name
registration information
VA3 Design Inc.

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RIGHT SIDE ELEVATION 'A'

BRICK VENEER CONSTRUCTION

(FOR WALLS LESS THAN 1.2M (3'-11") FROM THE LOT LINE)

45 MINUTE FIRE RATED WALL

PROVIDE A CONTINUOUS LAYER OF 12.7mm (1/2") TYPE 'X' GYPSUM BOARD (INTERIOR SIDE) INSTALLED SO THAT ALL EDGES ARE SUPPORTED, TAPED AND FILED. SPACE BETWEEN WOOD STUDS TO BE FILLED WITH INSULATION CONFORMING TO CAN/ULC-S702, "MINERAL FIBRE THERMAL INSULATION FOR BUILDINGS" WITH A MASS OF NOT LESS THAN 1.22 KG/SQ.M. AND MUST FILL AT LEAST 90% OF THE CAVITY THICKNESS. THE TYPE 'X' & INSULATION MUST BE RUN CONTINUOUSLY BEHIND ALL INTERSECTING PARTITIONS, MECHANICAL CHASES, BATHTUBS, SHOWERS, ETC. ENSURE INSULATION & TYPE 'X' IS INSTALLED IN GARAGE EXTERIOR WALLS.

(REFER TO SECTION SB-2 OF OBC 2012-SUPPLEMENTARY STANDARDS)

LOT 325

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1.	ISSUED FOR CLIENT REVIEW	14-09-12	.	.	.
no.	description	date	by	.	.

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1'-0" 1'-0"

1'-0" 1'-0" 1'-0"



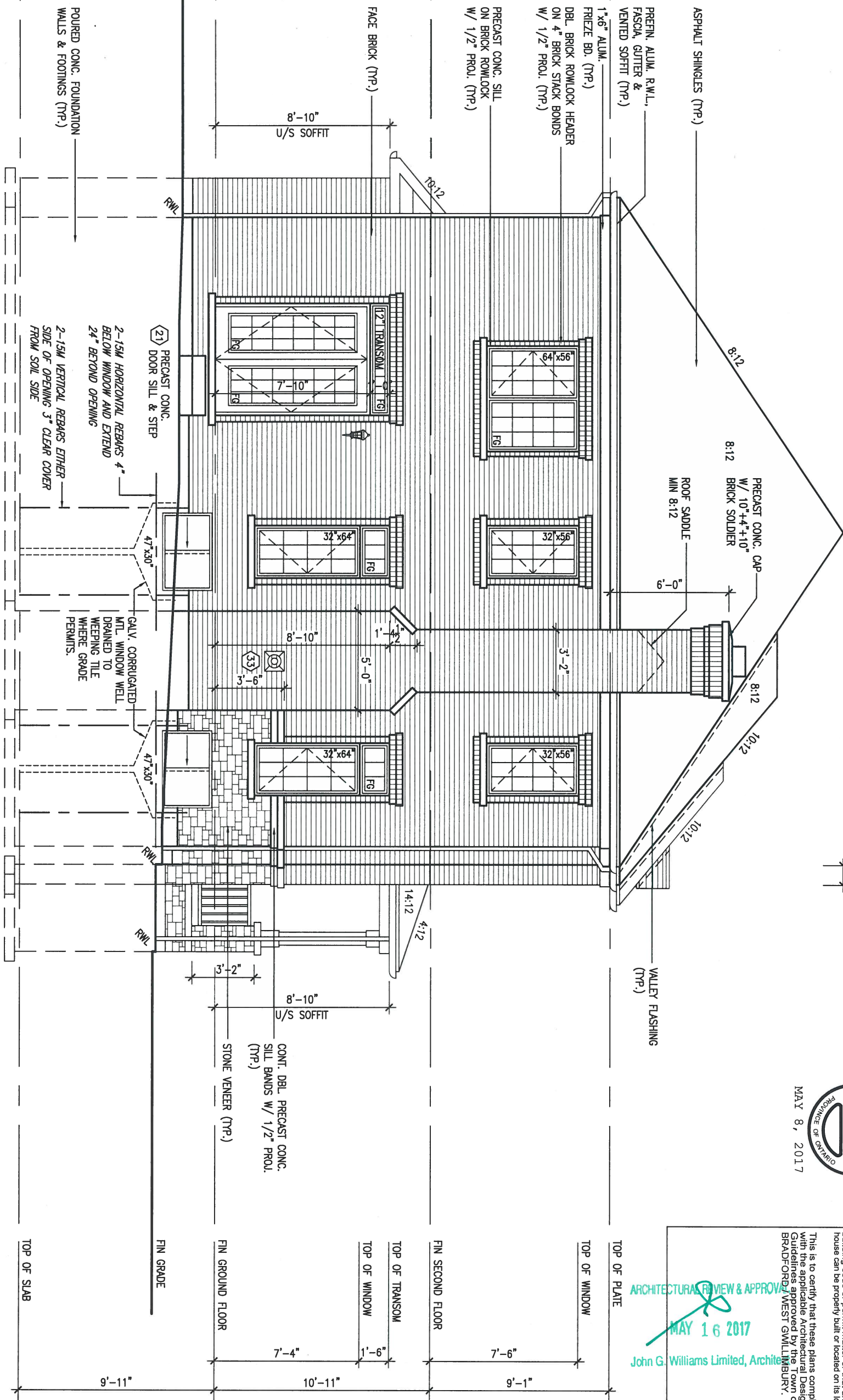
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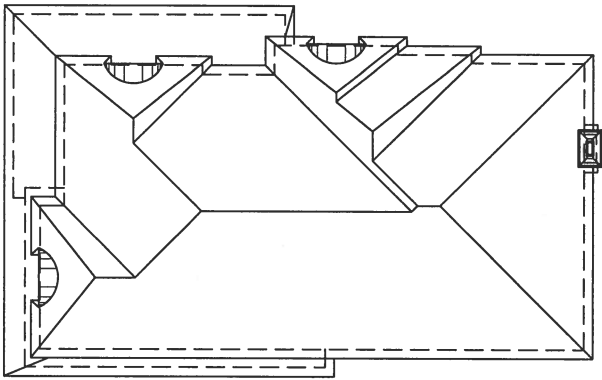
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REAR ELEVATION 'A'



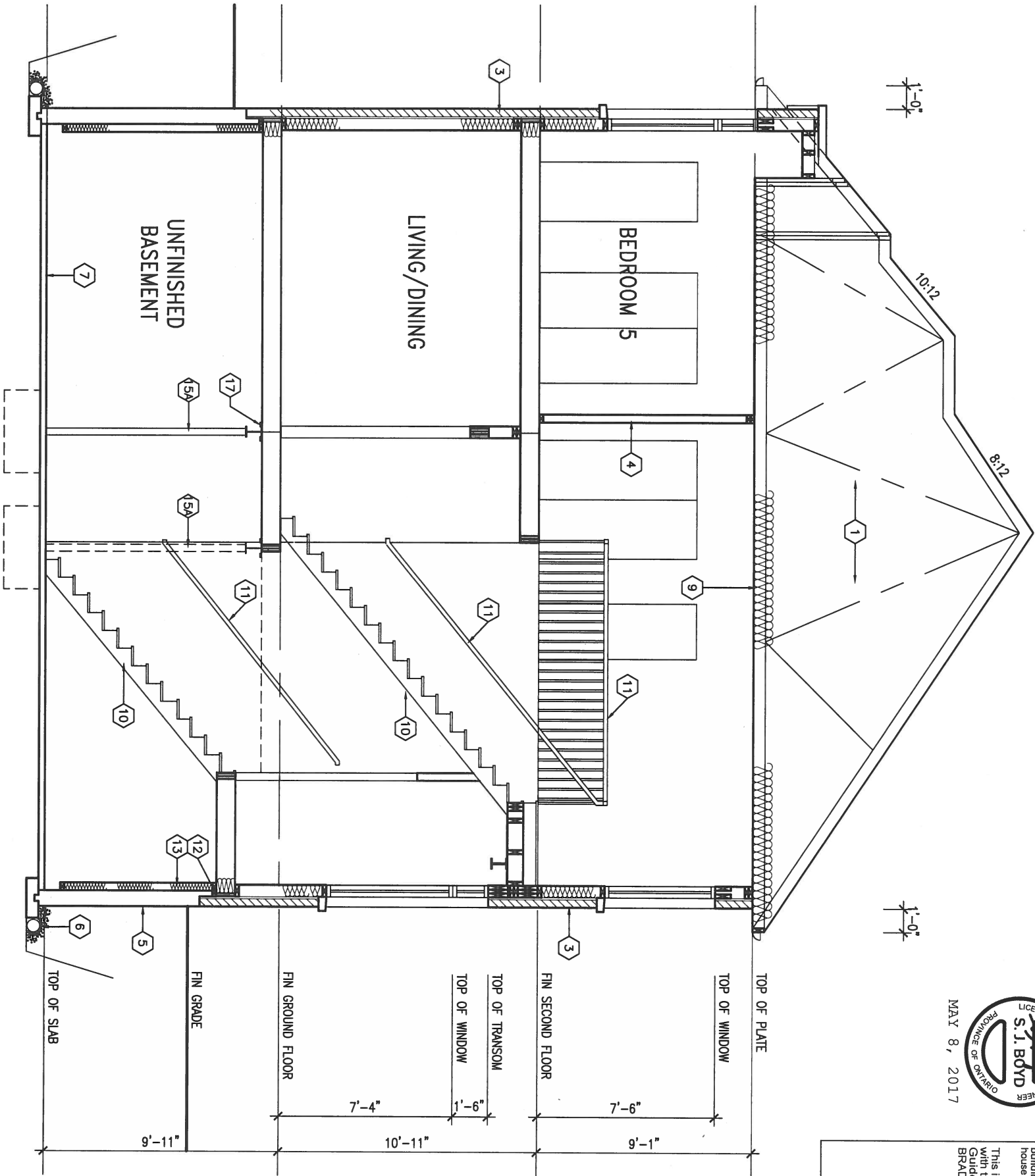
LOT 325

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8	.	.	.	qualification information Wellington Jno-Baptiste name registration information VA3 Design Inc. BCIN 42658	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.				REAR ELEVATION 'A' file name 13045-S42-8C-LOT 325
7					
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4	REVISED AS PER ENG'S COMMENTS	MAY 03-17	RC	
3	REVISED FOR LOT 325	APR 05-17	CL	
2	REVISED AS PER ENG'S COMMENTS	15-04-27	RC	
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ROOF PLAN ELEV. 'A'

CROSS SECTION 'A-A'



MAY 8, 2017



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BAYVIEW WELLINGTON

project name GREEN VALLEY ESTATES municipality BRADFORD, ON

date SEPTEMBER 2014

drawn by N.HUR checked by - scale 3/16" = 1'-0"

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S42-8C
RIDEAU 8

project no. 13045

CROSS SECTION

file name 13045-S42-8C-LDT 325

drawing no.

8

CONSTRUCTION NOTES (Unless otherwise noted)

ALL CONSTRUCTION TO ADHERE TO THESE PLANS AND SPEC'S AND TO CONFORM TO THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. THESE REQUIREMENTS ARE TO BE TAKEN AS MINIMUM SPECIFICATIONS. **ONT. REG. 332/12-2012 OBC**

1. ROOF CONSTRUCTION

NO.210 (10.25kg/m2) ASPHALT SHINGLES, 10mm (3/8") PLYWOOD SHEATHING WITH "H" CLIPS. APPROVED WOOD TRUSSES @ 600mm (24") O.C. MAX. APPROVED EAVES PROTECTION TO EXTEND 900mm (3'-0") FROM EDGE OF ROOF AND MIN. 300mm (12") BEYOND INNER FACE OF EXTERIOR WALL, (EAVES PROTECTION NOT REQ'D FOR ROOF SLOPES 8:12 OR GREATER) 38x89 (2"x4") TRUSS BRACING @ 1830mm (6'-0") O.C. AT BOTTOM CHORD. PREFIN. ALUM. EAVESTROUGH, FASCIA, RWL & VENTED SOFFIT. PROVIDE ICE & WATER SHIELD TO ALL ROOF/WALL SURFACES SUSCEPTIBLE TO ICE DAMMING. ROOF SHEATHING TO BE FASTENED 150 (6") c/c ALONG EDGES & INTERMEDIATE SUPPORTS WHEN TRUSSES SPACED GREATER THAN 406 (16"). ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH MIN. 25% AT EAVES & MIN. 25% AT RIDGE (OBC 9.19.1.2.).

2. FRAME WALL CONSTRUCTION (2"x6") (SB-12-TABLE 2.1.1.2A) SIDING AS PER ELEV., 19x38 (1"x2") VERTICAL WOOD FURRING, CONTIN. SHEATHING MEMBRANE, 9.5mm (3/8") EXT. TYPE SHEATHING, 38x140 (2"x6") STUDS @ 400mm (16") O.C. INSULATION AND APPR. VAPOUR BARRIER AND APPR. CONTIN. AIR BARRIER, 13mm (1/2") INT. DRYWALL FINISH, SIDING TO BE MIN. 200mm (8") ABOVE FINISH GRADE. REFER TO OBC SB-12, TABLE 2.1.1.2.A. FOR REQUIRED MINIMUM THERMAL INSULATION.

2A. FRAME WALL CONSTRUCTION (2"x8") (R2B) SIDING AS PER ELEV., 19x38 (1"x2") VERTICAL WOOD FURRING, CONTIN. SHEATHING MEMBRANE, 28mm (1 1/8") EXTERIOR STRUCTURAL INSULATED SHEATHING RSI 0.7 (R4) BY "BP" OR EQUAL, 38x140 (2"x6") STUDS @ 400mm (16") O.C., RSI 4.23 (R24) INSUL. AND APPR. VAPOUR BARRIER AND APPR. CONTIN. AIR BARRIER, 13mm (1/2") INT. DRYWALL FINISH, SIDING TO BE MIN. 200mm (8") ABOVE FINISH GRADE.

2B. FRAME WALL CONSTRUCTION (2"x4")- GARAGE WALLS SIDING AS PER ELEV., 19x38 (1"x2") VERTICAL WOOD FURRING, CONTIN. SHEATHING MEMBRANE, 9.5mm (3/8") EXT. TYPE SHEATHING, 38x89 (2"x4") STUDS @ 400mm (16") O.C. (MAX. HEIGHT 3000mm (9'-10"), WITH APPR. DIAGONAL WALL BRACING, SIDING TO BE MIN. 200mm (8") ABOVE FINISH GRADE.

2C. RESERVED

2D. STUCCO WALL CONSTRUCTION (2"x4") -GARAGE WALLS STUCCO CLADDING SYSTEM CONFORMING TO O.B.C. 9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 25mm (1") MIN. EXPANDED OR EXTRUDED RIGID POLYSTYRENE ON APPROVED AIR/MOISTURE BARRIER ON 13mm (1/2") EXT. TYPE SHEATHING ON 38x89 (2"x4") STUDS @ 400 (16") O.C.. STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE.

2E. WALLS ADJACENT TO ATTIC SPACE - NO CLADDING 9.5mm (3/8") EXT. TYPE SHEATHING, 38x140 (2"x6") STUDS @ 400mm (16") O.C., INSULATION AND APPR. VAPOUR BARRIER AND APPR. CONTIN. AIR BARRIER, 13mm (1/2") INTERIOR DRYWALL FINISH, MID-HEIGHT BLOCKING REQ'D. IF NO SHEATHING APPLIED. REFER TO OBC SB-12, TABLE 2.1.1.2.A. FOR REQUIRED MINIMUM THERMAL INSULATION.

3. BRICK VENEER CONSTRUCTION (2"x6") (SB-12-TABLE 2.1.1.2A) 90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x2"x0.03") GALV. METAL TIES @ 400mm (16") O.C. HORIZONTAL 600mm (24") O.C. VERTICAL, APPROVED SHEATHING PAPER, 9.5mm (3/8") EXT. TYPE SHEATHING, 38x140 (2"x6") STUDS @ 400mm (16") O.C., INSULATION & APPR. VAPOUR BARRIER WITH APPR. CONTIN. AIR BARRIER, 13mm (1/2") INTERIOR DRYWALL FINISH, PROVIDE WEEP HOLES @ 800mm (32") O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER. REFER TO OBC SB-12, TABLE 2.1.1.2.A. FOR REQUIRED MINIMUM THERMAL INSULATION. BRICK TO BE MIN. 150mm (6") ABOVE FINISH GRADE.

3A. BRICK VENEER CONSTRUCTION (2"x8") (R2B) 90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x2"x0.03") GALV. METAL TIES @ 400mm (16") O.C. HORIZONTAL 600mm (24") O.C. VERTICAL, APPR. SHEATHING PAPER, 28mm (1 1/8") EXT. STRUCT. INSULATED SHEATHING RSI 0.7 (R4) BY "BP" OR EQUAL, 38x140 (2"x6") STUDS @ 400mm (16") O.C., RSI 4.23 (R24) INSUL. & APPR. VAPOUR BARRIER WITH APPR. CONTIN. AIR BARRIER, 13mm (1/2") INT. DRYWALL FINISH, PROVIDE WEEP HOLES @ 800mm (32") O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER. BRICK TO BE MIN. 150mm (6") ABOVE FINISH GRADE.

3B. BRICK VENEER CONSTRUCTION (2"x4")- GARAGE WALLS 90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x2"x0.03") GALV. METAL TIES @ 400mm (16") O.C. HORIZONTAL 600mm (24") O.C. VERTICAL, APPR. SHEATHING PAPER, 9.5mm (3/8") EXT. TYPE SHEATHING, 38x89 (2"x4") STUDS @ 400mm (16") O.C. (MAX. HEIGHT 3000mm 9'-10") WITH APPR. DIAGONAL WALL BRACING. PROVIDE WEEP HOLES @ 800mm (32") O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER. BRICK TO BE MIN. 150mm (6") ABOVE FINISH GRADE.

3C. STUCCO WALL CONSTRUCTION (2"x6") STUCCO CLADDING SYSTEM CONFORMING TO O.B.C. 9.27.1.1.(2) & 9.28 THAT EMPLOYS A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 25mm (1") MIN. EXTRUDED OR EXPANDED RIGID POLYSTYRENE ON APPR. CONTIN. AIR/MOISTURE BARRIER ON 13mm (1/2") EXT. TYPE SHEATHING ON 38x140 (2"x6") STUDS @ 400mm (16") O.C., INSULATION, APPROVED VAPOUR BARRIER, 13mm (1/2") GYPSUM WALLBOARD INTERIOR FINISH. REFER TO OBC SB-12, TABLE 2.1.1.2.A. FOR REQUIRED MINIMUM THERMAL INSULATION. STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE.

4. INTERIOR STUD PARTITIONS FOR BEARING PARTITIONS 38x89 (2"x4") @ 400mm (16") O.C. FOR 2 STOREYS AND 300mm (12") O.C. FOR 3 STOREYS, NON-BEARING PARTITIONS 38x89 (2"x4") @ 600mm (24") O.C. PROVIDE 38x89 (2"x4") BOTTOM PLATE AND 2/38x89 (2/2"x4") TOP PLATE, 13mm (1/2") INT. DRYWALL BOTH SIDES OF STUDS, PROVIDE 38x140 (2"x6") STUDS/PLATES WHERE NOTED.

5. FOUNDATION WALL/FOOTINGS: (9.15.3, 9.15.4, 9.13.2, 9.14.2.1.(2)) 200mm (8") POURED CONC. FDTN. WALL 15MPa (2200psi) WITH BITUMENOUS DAMPPROOFING AND DRAINAGE LAYER. DRAINAGE LAYER REQ'D. WHEN BASEMENT INSUL. EXTENDS 900 (2'-11") BELOW FIN. GRADE. DRAINAGE LAYER IS NOT REQ'D. WHEN FDTN. WALL IS WATERPROOFED, MAXIMUM POUR HEIGHT 2390 (7'-10") ON 500x155 (20"x6") CONTINUOUS KEYED CONC. FIG. BRACE FDTN. WALL PRIOR TO BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED ENGINEERED FILL, WITH MIN. BEARING CAPACITY OF 150kPa OR GREATER. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED FOOTINGS ARE REQUIRED. STOREYS SUPPORTED [W/ MASONRY VENEER] W/ SIDING ONLY

1 16" WIDE x 6" DEEP 16" WIDE x 6" DEEP
2 20" WIDE x 6" DEEP 20" WIDE x 6" DEEP
3 26" WIDE x 9" DEEP 20" WIDE x 6" DEEP

-SEE OBC 9.15.3.
-MAXIMUM FLOOR LIVE LOAD OF 2.4kPa. (50psf.) PER FLOOR, AND MAX. LENGTH OF SUPPORTED FLOOR JOISTS IS 4.9m (16'-1").
-REFER TO SOILS REPORT FOR SOIL CONDITIONS AND BEARING CAPACITY.

STRIP FOOTING SUPPORTING EXTERIOR WALLS (FOR W.O.B.)

-ASSUMING MASONRY VENEER CONSTRUCTION, MAX. FLOOR LIVE LOAD OF 2.4kPa. (50psf.) PER FLOOR, AND MAX. LENGTH OF SUPPORTED FLOOR JOISTS IS 4.9m (16'-1"). THE STRIP FOOTING SIZE IS AS FOLLOWS:

2 STOREY WITH WALK-OUT BASEMENT 545x175 (2'2"x7")

6. FOUNDATION DRAINAGE OBC 9.14.2. & 9.14.3. 100mm (4") DIA. FOUNDATION DRAINAGE TILE 150mm (6") CRUSHED STONE OVER AND AROUND DRAINAGE TILES.

7. BASEMENT SLAB OBC 9.3.1.6.(1)(b), 9.16.4.5.(1), 9.25.3.3.(15) 80mm (3") MIN. 25MPa (3600psi) CONC. SLAB ON 100mm (4") COARSE GRANULAR FILL, OR 20MPa (3000psi) CONC. WITH DAMPPROOFING BELOW SLAB. UNDER SLAB INSULATION PER SB-12. ALL SLAB JOINTS & PENETRATIONS TO BE CAULKED.

8. EXPOSED FLOOR TO EXTERIOR (SB-12-TABLE 2.1.1.2A) PROVIDE RSI 5.46 (R31) INSULATION, APPROVED VAPOUR BARRIER AND CONTINUOUS AIR BARRIER, FINISHED SOFFIT.

9. ATTIC INSULATION (SB-12-TABLE 2.1.1.2A) (SB-12-2.1.1.7) RSI 8.81 (R50) BLOWN IN ROOF INSULATION AND APPROVED VAPOUR BARRIER, 16mm (5/8") INT. DRYWALL FINISH OR APPROVED EQUAL, RSI 3.52 (R20) MIN. ABOVE INNER SURFACE OF EXTERIOR WALL

10. ALL STAIRS/EXTERIOR STAIRS -OBC. 9.8.- UNIFORM RISE -5mm (1/4") MAX BETWEEN ADJACENT TREADS OR LANDINGS -10mm (1/2") MAX BETWEEN TALLEST & SHORTEST RISE IN FLIGHT

MAX. RISE = 200 (7'-7/8")
MIN. RUN = 210 (8'-1/4")
MIN. TREAD = 235 (9'-1/4")
MAX. NOSING = 25 (1")
MIN. HEADROOM = 1950 (6'-5")
RAIL @ LANDING = 900 (2'-11")
RAIL @ STAIR = 865 (2'-10") TO 965 (3'-2")
MIN. STAIR WIDTH = 860 (2'-10")
FOR CURVED STAIRS
MIN. RUN = 150 (6")
MIN. AVG. RUN = 200 (8")

11. HANDRAILS -OBC. 9.8.7.- FINISHED RAILING ON PICKETS SPACED MAXIMUM 100mm (4") BETWEEN PICKETS. CLEARANCE BETWEEN HANDRAIL AND SURFACE BEHIND IT TO BE 50 (2") MIN. HANDRAILS TO BE CONTINUOUS EXCEPT FOR NEWEL POST AT CHANGES OF DIRECTION .

INTERIOR GUARDS -OBC. 9.8.8.- INTERIOR GUARDS: 900mm (2'-11") MIN. HIGH EXTERIOR GUARDS - OBC. 9.8.8. 900mm (36") HIGH GUARD WHERE DISTANCE FROM PORCH TO FIN. GRADE IS LESS THAN 1800mm (71"). 1070mm (42") HIGH GUARD IS REQUIRED WHERE DISTANCE EXCEEDS 1800mm (71").

12. SILL PLATE - OBC. 9.23.7. 38x89 (2"x4") SILL PLATE WITH 13mm (1/2") DIA. ANCHOR BOLTS 200mm (8") LONG, EMBEDDED MIN. 100mm (4") INTO CONC. @ 2400mm (7'-10") O.C., CAULKING OR 25 (1") MIN. MINERAL WOOL BETWEEN PLATE AND TOP OF FDTN. WALL. USE NON-SHRINK GROUT TO LEVEL SILL PLATE WHEN REQUIRED.

13. BASEMENT INSULATION (SB-12-2.1.1.6), 9.25.2.3, 9.13.2.6) FOUNDATION WALLS ENCLOSING HEATED SPACE SHALL BE INSULATED FROM THE UNDERSIDE OF THE SUBFLOOR TO NOT MORE THAN 200mm (8") ABOVE THE FINISHED FLOOR & NO CLOSER THAN 50mm (2") OF THE BASEMENT SLAB. INSULATION TO HAVE APPROVED VAPOUR BARRIER. DAMPPROOF WITH BUILDING PAPER BETWEEN THE FOUNDATION WALL AND INSULATION UP TO GRADE LEVEL. NOTE: FULL HEIGHT INSULATION AT COLD CELLAR WALLS. REFER TO OBC SB-12, TABLE 2.1.1.2.A. FOR REQUIRED MINIMUM THERMAL INSULATION. AIR BARRIER TO BE SEALED TO FDTN. WALL WITH CAULKING.

14. BEARING STUD PARTITION 38x89 (2"x4") STUDS @ 400mm (16") O.C. 38x89 (2"x4") SILL PLATE ON DAMPPROOFING MATERIAL, 13mm (1/2") DIA. ANCHOR BOLTS 200mm (8") LONG, EMBEDDED MIN. 100mm (4") INTO CONC. @ 2400mm (7'-10") O.C. 100mm (4") HIGH CONC. CURB ON 350x155 (14"x6") CONC. FOOTING. ADD HORIZ. BLOCKING AT MID-HEIGHT IF WALL IS UNFINISHED.

15. STEEL BASEMENT COLUMN (SEE O.B.C. 9.15.3.3) 89mm(3-1/2") DIA x 3.0mm(0.118) SINGLE WALL TUBE TYPE 2 ADJUSTABLE STL. COL. W/ MIN. CAPACITY OF 71.2kN (16,000lbs.) AT A MAX. EXTENSION OF 2318mm (7'-7 1/2") CONFORMING TO CAN/CGSB-7.2.94. AND WITH 150x150x9.5 (6"x6"x3/8") STL. PLATE TOP & BOTTOM. 870x870x410 (34"x34"x16") CONC. FOOTING ON UNDISTURBED SOIL OR ENGINEERED FILL CAPABLE OF SUSTAINING A PRESSURE OF 150 Kpa. MINIMUM AND AS PER SOILS REPORT.

15A. STEEL BASEMENT COLUMN (SEE O.B.C. 9.15.3.3) 89mm(3-1/2") DIA x 4.78mm(.188) FIXED STL. COL. WITH 150x150x9.5 (6"x6"x3/8") STL. TOP & BOTTOM PLATE ON 1070x1070x460 (42"x42"x18") CONC. FOOTING ON UNDISTURBED SOIL OR ENGINEERED FILL CAPABLE OF SUSTAINING A PRESSURE OF 150 Kpa. MIN. AND AS PER SOILS REPORT.

15B. STEEL COLUMN 90mm(3-1/2") DIA x 4.78mm(.188) NON-ADJUSTABLE STL. COL. TO BE ON 150x150x9.5 (6"x6"x3/8") STEEL TOP PLATE, & BOTTOM PLATE. BASE PLATE 120x250x12.5 (4 1/2"x10"x1/2") WITH 2-12mm DIA. x 300mm LONG x50mm HOOK ANCHORS [2-1/2"x12"x2"] FIELD WELD COL. TO BASE PLATE.

16. BEAM POCKET OR 300x150 (12"x6") POURED CONC. NIB WALLS. MIN. BEARING 900mm (3'-1/2")

17. 19x64 (1"x3") CONTINUOUS WOOD STRAPPING BOTH SIDES OF STEEL BEAM.

18. GARAGE SLAB 100mm (4") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT ON OPT. 100 (4") COARSE GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. SLOPE TO FRONT.

19. GARAGE CEILINGS/INTERIOR WALLS 13mm (1/2") GYPSUM BOARD ON WALL AND CEILING BETWEEN HOUSE AND GARAGE. TAPE AND SEAL ALL JOINTS AIRTIGHT PER O.B.C. 9.10.9.16. REFER TO SB-12, TABLE 2.1.1.2.A. FOR REQUIRED THERMAL INSULATION.

20. DOOR AND FRAME GASPROOFED. DOOR EQUIPPED WITH SELF CLOSING DEVICE AND WEATHERSTRIPPING PER OBC 9.10.13.15.

21. EXTERIOR STEP PRECAST CONCRETE STEP OR WOOD STEP WHERE NOT EXPOSED TO WEATHER. MAX. RISE 200mm (7-7/8") MIN. TREAD 250mm (9-1/2"). SEE OBC. 9.8.9.2.2, 9.8.9.3, & 9.8.10.

22. DRYER EXHAUST (OBC-6.2.3.8.(7) & 6.2.4.1.1.) CAPPED DRYER EXHAUST VENTED TO EXTERIOR. (USE 100mm (4") DIA. SMOOTH WALL VENT PIPE)

23. INSULATED ATTIC ACCESS (OBC-9.19.2.1. & SB12-2.1.1.7) ATTIC ACCESS HATCH WITH MIN. DIMENSION OF 545x610mm (21 1/2"x24") & A MIN. AREA OF 0.32 SQ.M. (3.44 SQ.FT.) WITH WEATHERSTRIPPING. RSI 3.52 (R20) RIGID INSUL. BACKING.

24. FIREPLACE CHIMNEYS OBC 9.21. TOP OF FIREPLACE CHIMNEY SHALL BE 915mm (3'-0") ABOVE THE HIGHEST POINT AT WHICH IT COMES IN CONTACT WITH THE ROOF AND 610mm (2'-0") ABOVE THE ROOF SURFACE WITHIN A HORIZ. DISTANCE OF 3050mm (10'-0") FROM THE CHIMNEY.

25. LINEN CLOSET, 4 SHELVES MIN. 350mm (14") DEEP.

26. MECHANICAL EXHAUST FAN, VENTED TO EXTERIOR AS REQUIRED BY OBC. 9.32.3.5. & 9.32.3.10.

27. STEEL BEARING PLATE FOR MASONRY WALLS 280x280x16 (11"x11"x5/8") STL. PLATE FOR STL BEAMS AND 280x280x12 (11"x11"x1/2") STL. PLATE FOR WOOD BEAMS BEARING ON CONC. BLOCK PARTYWALL, ANCHORED WITH 2-19mm (3/4") x 200mm (8") LONG GALV. ANCHORS WITHIN SOLID BLOCK COURSE. LEVEL WITH NON-SHRINK GROUT.

28. OR SOLID WOOD BEARING FOR WOOD STUD WALLS SOLID BEARING TO BE AT LEAST AS WIDE AS THE SUPPORTED MEMBER. SOLID WOOD BEARING COMPRISED OF BUILT-UP WOOD STUDS TO BE CONSTRUCTED IN ACCORDANCE WITH OBC 9.17.4.2(2).

29. BEARING WOOD POST (BASEMENT) (OBC 9.17.4.) 3-38x140 (3-2"x6") BUILT-UP POST ON METAL BASE JOIST ANCHORED TO CONC. WITH 12.7 DIA. BOLT, 610x610x300 (24"x24"x12") CONC. FOOTING.

30. STEPPED FOOTINGS OBC 9.15.3.9. MIN. HORIZ. STEP = 600mm (24"). MAX. VERT. STEP = 600mm (24")

31. SLAB ON GRADE MIN. 100mm (4") CONCRETE SLAB ON GRADE ON 100mm (4") COARSE GRANULAR FILL. REINFORCED WITH 6x6-W2.9xW2.9 MESH PLACED NEAR MID-DEPTH OF SLAB. CONC. STRENGTH 32 MPa (4640 psi) WITH 5-8% AIR ENTRAINMENT ON COMPACTED SUB-GRADE. REFER TO OBC SB-12, TABLE 2.1.1.2.A. FOR REQUIRED MINIMUM THERMAL INSULATION UNDER SLAB.

32. DIRECT VENTING GAS FURNACE/ H.W.T. VENT DIRECT VENT FURNACE TERMINAL MIN. 900mm (36") FROM A GAS REGULATOR. MIN. 300mm (12") ABOVE FIN. GRADE. FROM ALL OPENINGS, EXHAUST AND INTAKE VENTS. HRV INTAKE TO BE A MIN. OF 1830mm (6'-0") FROM ALL EXHAUST TERMINALS. REFER TO GAS UTILIZATION CODE.

33. DIRECT VENTING GAS FIREPLACE VENT DIRECT VENT GAS FIREPLACE. VENT TO BE A MINIMUM 300mm (12") FROM ANY OPENING AND ABOVE FIN. GRADE. REFER TO GAS UTILIZATION CODE.

34. SUBFLOOR, JOIST STRAPPING AND BRIDGING 16mm (5/8") T & G SUBFLOOR ON WOOD FLOOR JOISTS. FOR CERAMIC TILE APPLICATION (* SEE OBC 9.30.6. *) 6mm (1/4") PANEL TYPE UNDERLAY UNDER RESILIENT & PARQUET FLOORING. (* SEE OBC 9.30.2. *)

FLOOR JOISTS WITH SPANS OVER 2100mm (6'-11") TO BE BRIDGED WITH 38x38 (2"x2") CROSS BRACING OR SOLID BLOCKING @ 2100mm (6'-11") O.C. MAX. AND WHERE SPECIFIED BY JOIST TABLES A-1 OR A-2 STRAPPING SHALL BE 19x64 (1"x3") @ 2100mm (6'-11") O.C. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED. (* SEE OBC 9.23.9.4. *)

35. EXPOSED BUILDING FACE OBC. 9.10.15. & SB-2-2.3.5.(2)

EXTERIOR WALLS TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45 min. WHERE LIMITING DISTANCE (LD) IS LESS THAN 1.2M (3'-11"). WHERE THE LD IS LESS THAN 600mm (1'-11") THE EXPOSING FACE SHALL BE CLAD IN NON-COMBUSTIBLE MATERIAL. SEE ELEVATIONS FOR ADDITIONAL NOTES. OFFENDING GARAGE WALLS INCLUDED.

36. COLD CELLAR PORCH SLAB (OBC.9.39.) FOR MAX. 2500mm (8'-2") PORCH DEPTH (SHORTEST DIM.), 125mm (5") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @ 200mm (7 7/8") O.C. EACH WAY IN BOTTOM THIRD OF SLAB. MIN. 30mm (1 1/4") COVER. 600x600 (23 5/8"x23 5/8") 10M DOWELS @ 600mm (23 5/8") O.C.. ANCHORED IN PERIMETER FDTN. WALLS. SLOPE SLAB MIN. 1.0% FROM HOUSE WALL. SLAB TO HAVE MIN. 75mm (3") BEARING ON FDTN. WALLS. PROVIDE (L7) LINTEL OVER CELLAR DOOR WITH 100mm (4") END BEARING.

37. THE FDTN. WALL SHALL NOT BE REDUCED TO LESS THAN 90mm (3-1/2") THICK TO A MAX. DEPTH OF 600mm (24") AND SHALL BE TIED TO THE FACING MATERIAL WITH METAL TIES SPACED 200mm (8") O.C. VERTICALLY AND 900mm (36") O.C. HORIZONTALLY. FILL SPACE BETWEEN WALL AND FACING SOLID WITH MORTAR.

38. CONVENTIONAL ROOF FRAMING (2.0Kps. SNOW LOAD) 38x140 (2"x6") RAFTERS @ 400mm (16"O.C.) FOR MAX 11'-7" SPAN, 38x184 (2"x8") RIDGE BOARD, 38x89 (2"x4") COLLAR TIES AT MIDSPANS. CEILING JOISTS TO BE 38x89 (2"x4") @ 400mm (16") O.C. FOR MAX. 2830mm (9'-3") SPAN & 38x140 (2"x6") @ 400 (16") O.C. FOR MAX. 4450mm (14'-7") SPAN. RAFTERS FOR BUILT-UP ROOF TO BE 38x89 (2"x4") @ 600mm (24") O.C. WITH A 38x89 (2"x4") CENTRE POST TO THE TRUSS BELOW, LATERALLY BRACED @ 1800mm (6'-0") O.C. VERTICALLY.

GENERAL NOTES

WINDOWS:1) MINIMUM BEDROOM WINDOW -OBC. 9.9.10.1.- AT LEAST ONE BEDROOM WINDOW ON A GIVEN FLOOR IS TO HAVE MIN. 0.35m2 UNOBSTRUCTED GLAZED OR OPENABLE AREA WITH MIN. CLEAR WIDTH OF 380 mm (1'-3"). 2) WINDOW GUARDS -OBC. 9.8.8.1.(6). A GUARD IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED LESS THAN 480mm (1'-7") ABOVE FIN. FLOOR AND THE DISTANCE FROM THE FIN. FLOOR TO THE ADJACENT GRADE IS GREATER THAN 1800mm (5'-11") 3) EXTERIOR WINDOWS SHALL COMPLY WITH OBC DIV.-8 9.7.3. & SB12-2.1.1.8

GENERAL: 1) MECHANICAL VENTILATION IS REQUIRED TO COMPLY WITH OBC-DIV. B. 6.2.2. SEE MECHANICAL DRAWINGS. 2) ALL DOWNSPOUTS TO DRAIN AWAY FROM THE BUILDING AS PER OBC 9.26.18.2. & 5.6.2.2.(3) & MUNICIPAL STANDARDS. 3) ALL WINDOW WELLS TO DRAIN TO FOOTING LEVEL PER OBC 9.14.6.3. CHECK WITH THE LOCAL AUTHORITY. 4) STUD WALL REINFORCEMENT FOR FUTURE GRAB BARS IN MAIN BATHROOM REINFORCEMENT OF STUD WALLS SHALL BE INSTALLED ADJACENT TO WATER CLOSETS AND SHOWER OR BATH TUB IN MAIN BATHROOM. REFER TO OBC. 9.5.2.3, 3.8.3.8.(1)[d] & 3.8.3.13.(1)[i]. SEE DETAIL. 5) ALL EXTERIOR DOORS TO COMPLY WITH THERMAL RESISTANCE AS STATED IN O.B.C. SB-12-2.1.1.9. 6) ALL AIR BARRIER SYSTEMS ARE REQUIRED TO COMPLY WITH O.B.C. DIV.-8 9.25.3.

LUMBER: 1) ALL LUMBER SHALL BE SPRUCE NO.2 GRADE, UNLESS NOTED OTHERWISE. 2) STUDS SHALL BE STUD GRADE SPRUCE, UNLESS NOTED OTHERWISE. 3) LUMBER EXPOSED TO THE EXTERIOR TO BE SPRUCE NO.2 GRADE PRESSURE TREATED OR CEDAR, UNLESS NOTED OTHERWISE. 4) ALL LAMINATED VENEER LUMBER (L.V.L.) BEAMS, GIRDER TRUSSES, AND METAL HANGER CONNECTIONS SUPPORTING ROOF FRAMING TO BE DESIGNED & CERTIFIED BY TRUSS MANUFACTURER.

LVL BEAMS SHALL BE 2.0E -2950Fb MIN. NAIL EACH PLY OF LVL WITH 89mm (3 1/2") LONG COMMON WIRE NAILS @ 300mm (12") O.C. STAGGERED IN 2 ROWS FOR 184, 240 & 300mm (7 1/4" 9 1/2", 11 7/8") DEPTHS AND STAGGERED IN 3 ROWS FOR GREATER DEPTHS AND FOR 4 PLY MEMBERS ADD 13mm (1/2") DIA. GALVANIZED BOLTS BOLTED AT MID-DEPTH OF BEAM @ 915mm (3'-0") O.C. 6) PROVIDE FACE MOUNT BEAM HANGERS TYPE "SCL" MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL FOR ALL LVL BEAM TO BEAM CONNECTIONS UNLESS OTHERWISE NOTED. REFER TO ENG. FLOOR LAYOUTS. 7) JOIST HANGERS: PROVIDE METAL HANGERS FOR ALL JOISTS AND BUILT-UP WOOD MEMBERS INTERSECTING FLUSH BUILT-UP WOOD MEMBERS. 8) WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE, IN CONTACT WITH CONCRETE, SHALL BE SEPARATED FROM THE CONCRETE BY AT LEAST 2 ml. POLYETHYLENE FILM, No. 50 (45lbs.) ROLL ROOFING OR OTHER DAMPPROOFING MATERIAL. EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 150mm (6") ABOVE THE GROUND.

STEEL: 1) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 300W, HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO CSA-G40.21 GRADE 350W "STRUCTURAL QUALITY STEEL". OBC. B-9.23.4.3. 2) REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

STUCCO: 1) ALL STUCCO WALLS TO HAVE A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR. THE EXTERIOR SHEATHING MUST NOT BE GYPSUM BASED. ALL STUCCO TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.

LEGEND

CLASS 'B' VENT EXHAUST FAN TO EXTERIOR
DUPLUX OUTLET (12" ABOVE SURFACE)
WEATHERPROOF DUPLUX OUTLET
POT LIGHT
LIGHT FIXTURE (PULL CHAIN)
SWITCH
FLOOR DRAIN
SINGLE JOIST
DOUBLE JOIST
TRIPLE JOIST
LAMINATED VENEER LUMBER
POINT LOAD FROM ABOVE
PRESSURE TREATED LUMBER
GIRDER TRUSS BY ROOF TRUSS MANUF.
FLAT ARCH
CURVED ARCH
MEDICINE CABINET (RECESSED)
CONC. BLOCK WALL
DOUBLE VOLUME WALL
SEE NOTE 39.
SOLID WOOD BEARING (SPRUCE No. 2). SOLID BEARING TO BE AS WIDE AS SUPPORTED MEMBER OR AS DIRECTED BY STRUCTURAL ENGINEER. SOLID BEARING TO BE MINIMUM 2 PIECES.
SOLID WOOD BEARING TO MATCH FROM ABOVE

SJ
DJ
TJ
LVL
x
P.T.
G.T.
I-FA-I
I-CA-I
I-M.C.
I-M.C.
CONC. BLOCK WALL
DOUBLE VOLUME WALL
SEE NOTE 39.
SOLID WOOD BEARING (SPRUCE No. 2). SOLID BEARING TO BE AS WIDE AS SUPPORTED MEMBER OR AS DIRECTED BY STRUCTURAL ENGINEER. SOLID BEARING TO BE MINIMUM 2 PIECES.
SOLID WOOD BEARING TO MATCH FROM ABOVE

PROFESSIONAL ENGINEER
S. J. BOYD
MAY 8, 2017

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO VA3 DESIGN BEFORE PROCEEDING WITH THE WORK. ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF VA3 DESIGN WHICH IF REQUESTED MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL DRAWINGS TO BE USED FOR CONSTRUCTION ONLY AFTER BUILDING PERMIT HAS BEEN ISSUED.

39. TWO STOREY VOLUME SPACES

-FOR A MAXIMUM 5490 mm (18'-0") HEIGHT AND MAXIMUM SUPPORTED ROOF TRUSS LENGTH OF 6.0m, PROVIDE 2-38x140 (2-2"x6") SPR.#2 CONTIN. STUDS @ 300mm (12") O.C. (TRIPLE UP AT EVERY THIRD DOUBLE STUD FOR BRICK WALLS) C/W 9.6 (3/8") THICK EXT. PLYWOOD SHEATHING. PROVIDE SOLID WOOD BLOCKING BETWEEN WOOD STUDS @ 1220 mm (4'-0") O.C. VERTICALLY. -FOR WALLS WITH HORIZ. DISTANCES NOT EXCEEDING 2900 mm (9'-6"). PROVIDE 38x140 (2"x6") STUDS @ 400 (16") O.C. WITH CONTINUOUS 2-38x140 (2-2"x6") TOP PLATES & 1-38x140 (1-2"x6") BOTTOM PLATE & MINIMUM OF 3-38x184 (3-2"x8") CONT. HEADER AT GRND. CEILING LEVEL TOE-NAILED & GLUED AT TOP. BOTTOM PLATES AND HEADERS.

40. TYPICAL 1 HOUR RATED PARTYWALL. REFER TO DETAILS FOR TYPE AND SPECIFICATIONS.

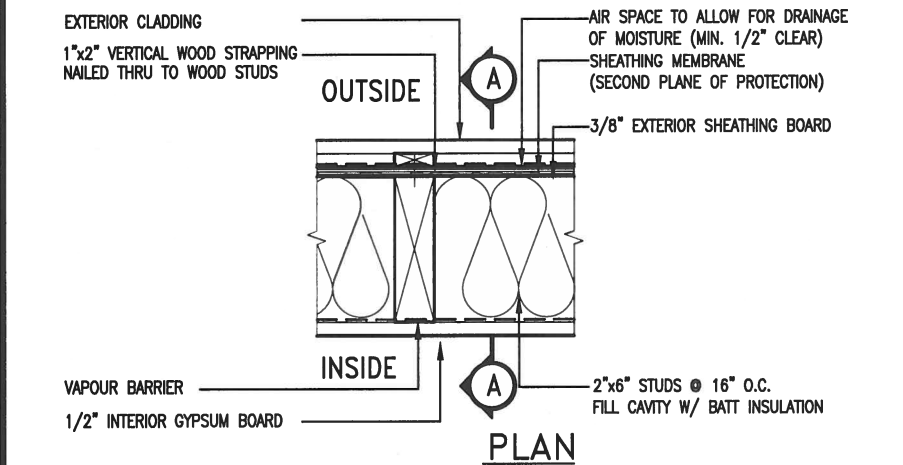
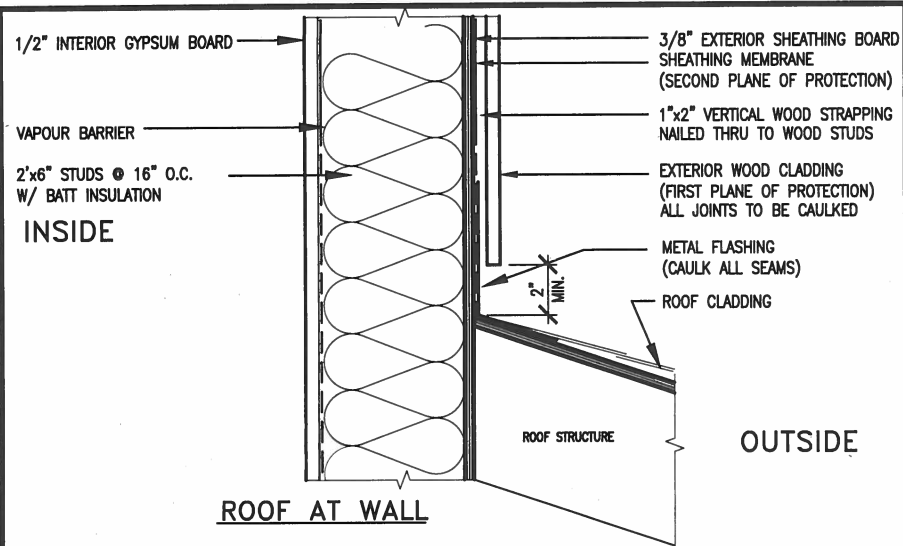
41. FOUNDATION WALL (W.O.D./W.O.B.) -FOR LATERAL SUPPORT WHERE GRADE TO T/O BASEMENT SLAB EXCEEDS 1200mm (3'-11") FOR 200mm (8") POURED CONC. FOUNDATION WALL PROVIDE VERTICAL 38x140 (2"x6") WOOD STUDS @ 400 (16") o.c. MATCH FLOOR JOIST SPACING WHEN PARALLEL WITH FLOOR JOISTS. [RAMSET BOTTOM PLATE TO SLAB & FASTEN TOP OF WALL TO FLOOR JOIST AND ALSO TIED TO 38x84 (2"x4") @ 300 (12") o.c. KNEE WALL]. REFER TO DETAIL.

42. EXTERIOR WALLS FOR WALK-OUT CONDITIONS THE EXTERIOR BASEMENT STUD WALL TO BE 38x140 (2"x6") STUDS @ 400mm (16") o.c. OR 38x89 (2"x4") STUDS @ 300mm (12") o.c.

ONT. REG. 332/12-2012 OBC
Amendment O. Reg. 368/13
NOV. 13, 2014

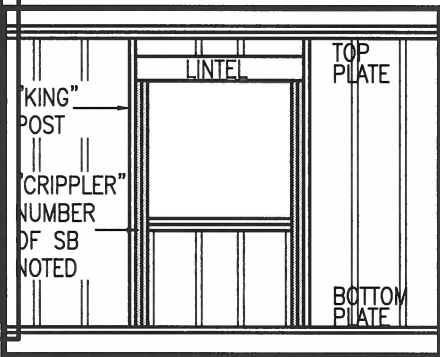
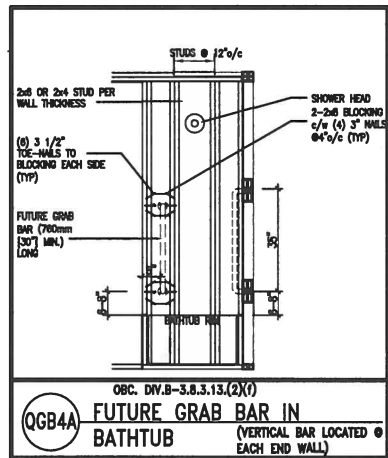
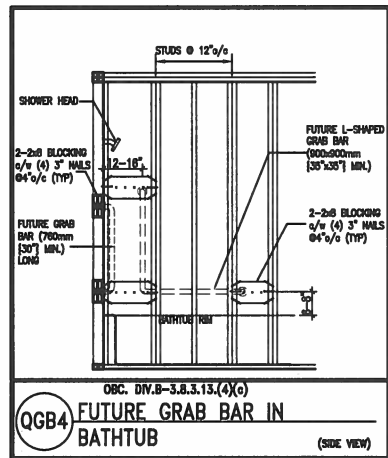
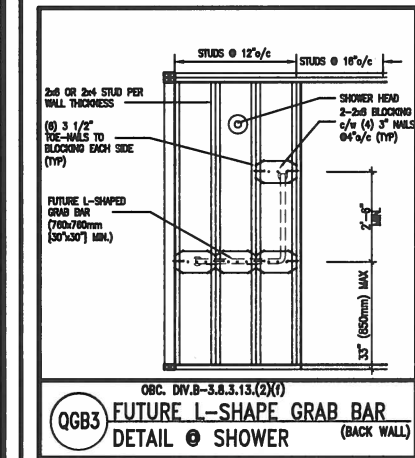
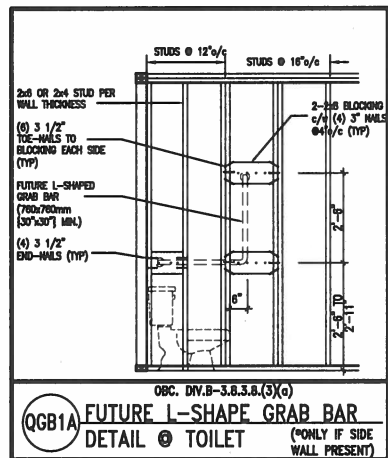
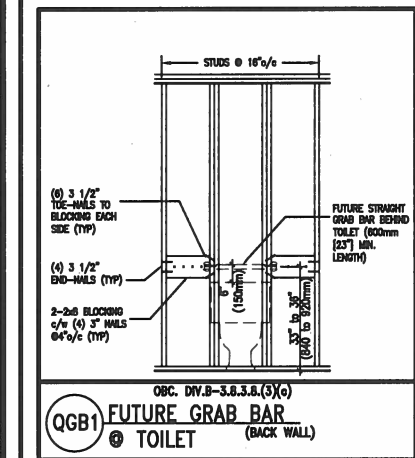
WOOD LINTELS AND BUILT-UP WOOD BEAMS

L1 2/38 x 184 (2/2" x 8") SPR.#2
B1 3/38 x 184 (3/2" x 8") SPR



EXTERIOR WOOD CLADDING WALL ASSEMBLY

STUD WALL REINFORCEMENT FOR FUTURE GRAB BARS IN MAIN BATHROOM
 REINFORCEMENT OF STUD WALLS SHALL BE INSTALLED ADJACENT TO WATER CLOSETS AND SHOWER OR BATHTUB IN MAIN BATHROOM.
 FUTURE GRAB BARS TO BE MOUNTED TO RESIST HORIZ. AND VERT. LOADS OF 1.3 KN (300 lb)
 REFER TO OBC, DIV. B- 9.5.2.3., WATER CLOSET 3.8.3.8.(3)(a) & 3.8.3.8.(3)(c), SHOWER 3.8.3.13.(2)(f), BATHTUB & 3.8.3.13.(4)(c), AND DETAILS PROVIDED.



MAX. HEIGHT FOR 2"x4" GARAGE WALL IS AS FOLLOW:
 2"x4" @ 16" O.C. - 9'-10"
 2"x4" @ 12" O.C. - 10'-9"
 3"x4" @ 16" O.C. - 11'-2"
 3"x4" @ 12" O.C. - 12'-4"

- NOTES:
- FOR ROOF DESIGN SNOW LOAD OF 2.5 KPa.
 - SUPPORTED ROOF TRUSS LENGTH OF 6.0m AND FLOOR JOIST LENGTH OF 2.5m OF ONE FLOOR.
 - PROVIDE HORIZONTAL SOLID BLOCKING @ 1200 O.C. (4'-0")
 - PROVIDE A MINIMUM OF 9.5mm (3/8") PLYWOOD OR OSB EXTERIOR SHEATHING ON THE EXTERIOR FACE.
 - FOR A 1/50 YEAR REFERENCE WIND PRESSURE OF 0.6 KPa.
 - STUDS GREATER THAN 9'-10" HIGH TO BE No. 2 SPF
 - STUD SPECIFICATION IS SUITABLE FOR BRICK VENEER OR SIDING.

** MAX. HEIGHT FOR 2"x6" EXTERIOR WALL IS AS FOLLOW:
 2"x6" @ 16" O.C. - 12'-6"
 2"x6" @ 12" O.C. - 13'-10"
 2"x6" @ 16" O.C. - 15'-0"
 2"x6" @ 12" O.C. - 17'-4"

- MAX. HEIGHT FOR 2"x8" EXTERIOR WALL IS AS FOLLOWS:
 2"x8" @ 16" O.C. - 16'-0"
 2"x8" @ 12" O.C. - 17'-9"
 2"x8" @ 16" O.C. - 20'-4"
 2"x8" @ 12" O.C. - 22'-4"
- NOTES:
- FOR ROOF DESIGN SNOW LOAD OF 2.5 KPa
 - SUPPORTED ROOF TRUSS LENGTH OF 6.0m ONLY.
 - PROVIDE HORIZONTAL SOLID BLOCKING @ 1200 O.C. (4'-0")
 - PROVIDE A MINIMUM OF 9.5mm (3/8") PLYWOOD OR OSB EXTERIOR SHEATHING ON THE EXTERIOR FACE AND 12.5mm (1/2") GYPSUM BOARD ON THE INTERIOR FACE.
 - WALL FRAMING SHALL CONFORM TO OBC 9.23.10.1.(2)
 - FOR A 1/50 YEAR REFERENCE WIND PRESSURE OF 0.6 KPa
 - STUDS GREATER THAN 9'-10" HIGH TO BE No. 2 SPF.
 - STUD SPECIFICATION IS SUITABLE FOR BRICK VENEER OR SIDING.

** STUD INFORMATION TAKEN FROM OBC TABLE A-30

9	.	.	.	.	.
8	.	.	.	.	.
7	.	.	.	.	.
6	.	.	.	.	.
5	.	.	.	.	.
4	.	.	.	.	.
3	.	.	.	.	.
2	UPDATE TO CODE	APR 16-15	RC		
1	ISSUE FOR CLIENT REVIEW	MAY 07-14	RC		
no.	description	date	by		

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
 Wellington Jno-Baptiste 25591
 name
 registration information
 VA3 Design Inc. 42658

Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.

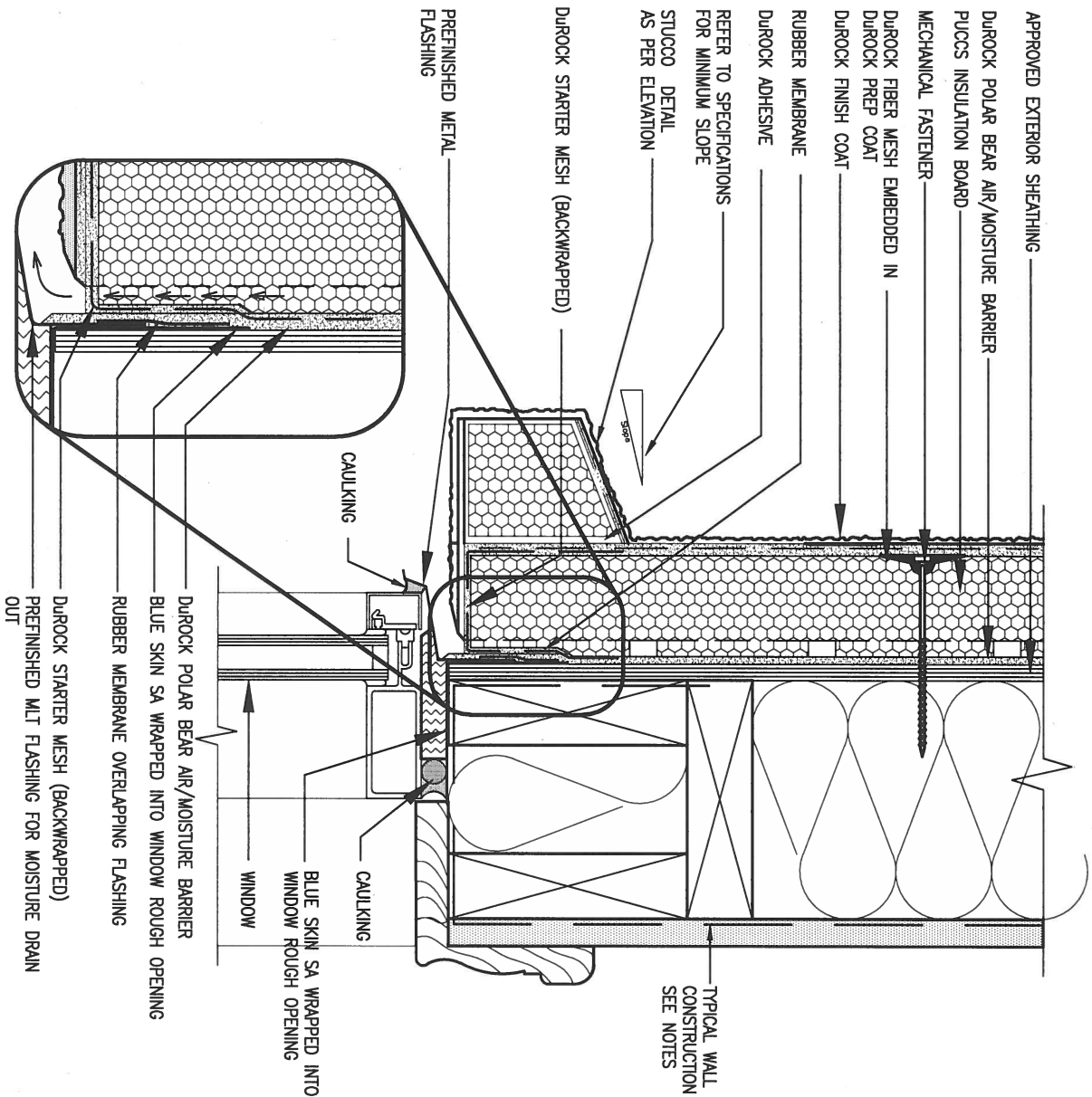
VA3 DESIGN

255 Consumers Rd Suite 120
 Toronto ON M2J 1R4
 t 416.630.2255 f 416.630.4782
 va3design.com

BAYVIEW WELLINGTON

CONST NOTE

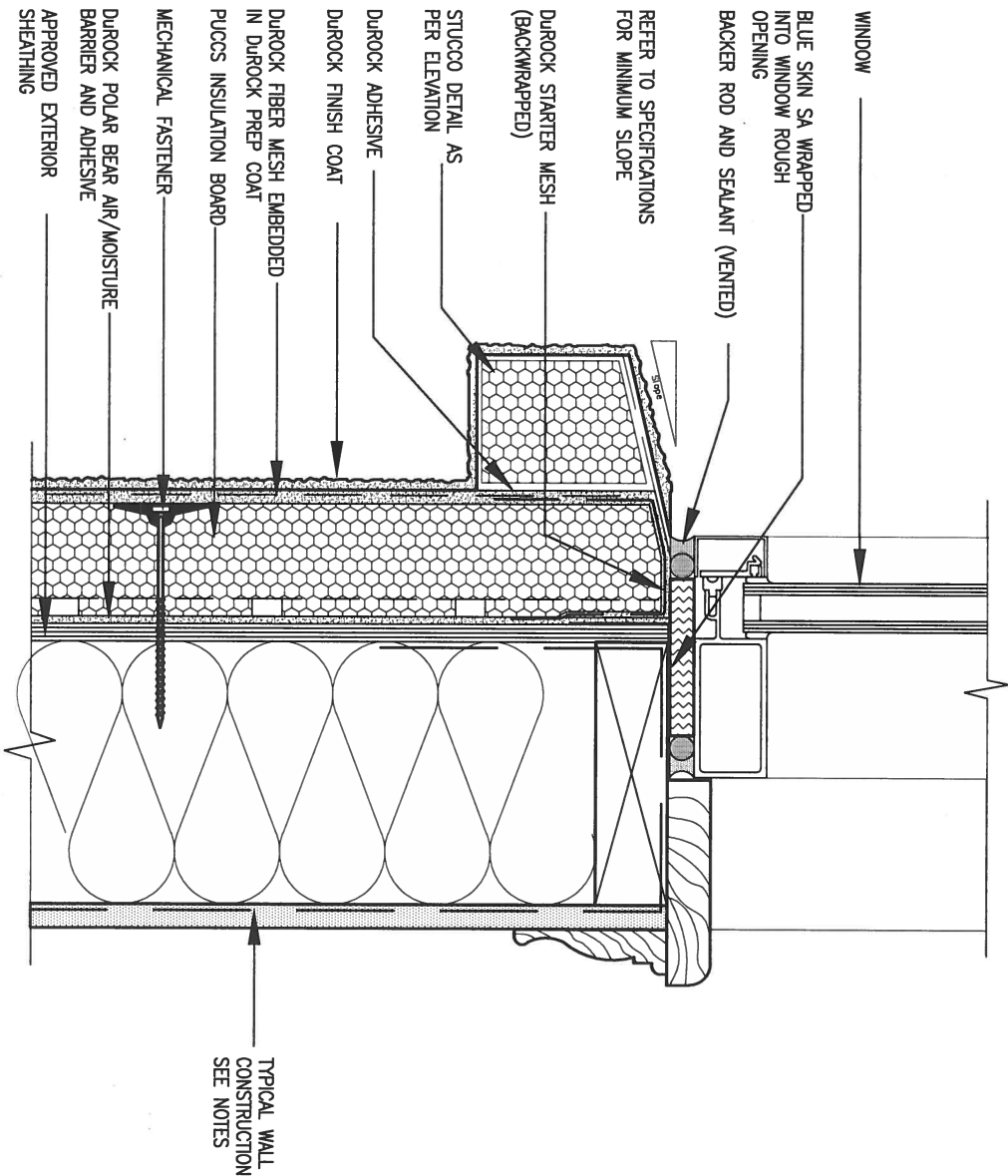
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date	APR 2014	checked by	RC	scale	3/16" = 1'-0"
drawn by	RC	checked by	RC	scale	3/16" = 1'-0"
file name	13045-CONST-OBC 2015	drawing no.	CN2		
RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\13045-CONST-OBC 2015.dwg - Tue - Dec 20 2016 - 9:17 AM					



1 WINDOW HEADER

CN3 SCALE: 3"=1'-0"

ALL STUCCO WALLS TO HAVE A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR. THE EXTERIOR SHEATHING MUST NOT BE GYPSUM BASED. ALL STUCCO TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS. DETAILS ARE BASED ON DUROCK PUCCS SYSTEM



2 WINDOW SILL

CN3 SCALE: 3"=1'-0"

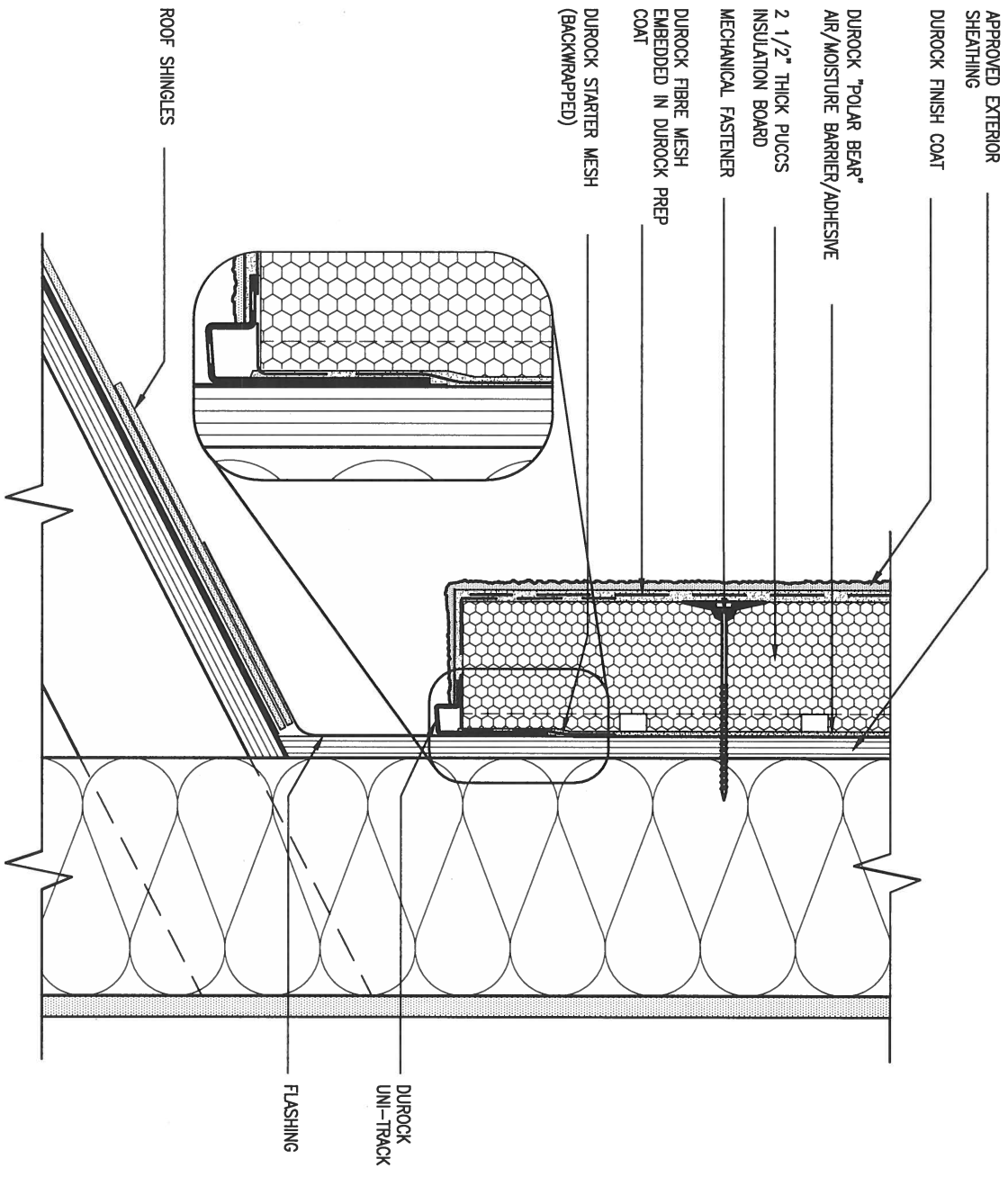
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3	.	.	.
2	UPDATE TO CODE	APR 16-15	RC
1	ISSUE FOR CLIENT REVIEW	MAY 07-14	RC
no.	description	date	by

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			
Wellington Jno-Baptiste		25591	BCIN
name registration information		signature	
VA3 Design Inc.		42658	
Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.			

VA3 DESIGN

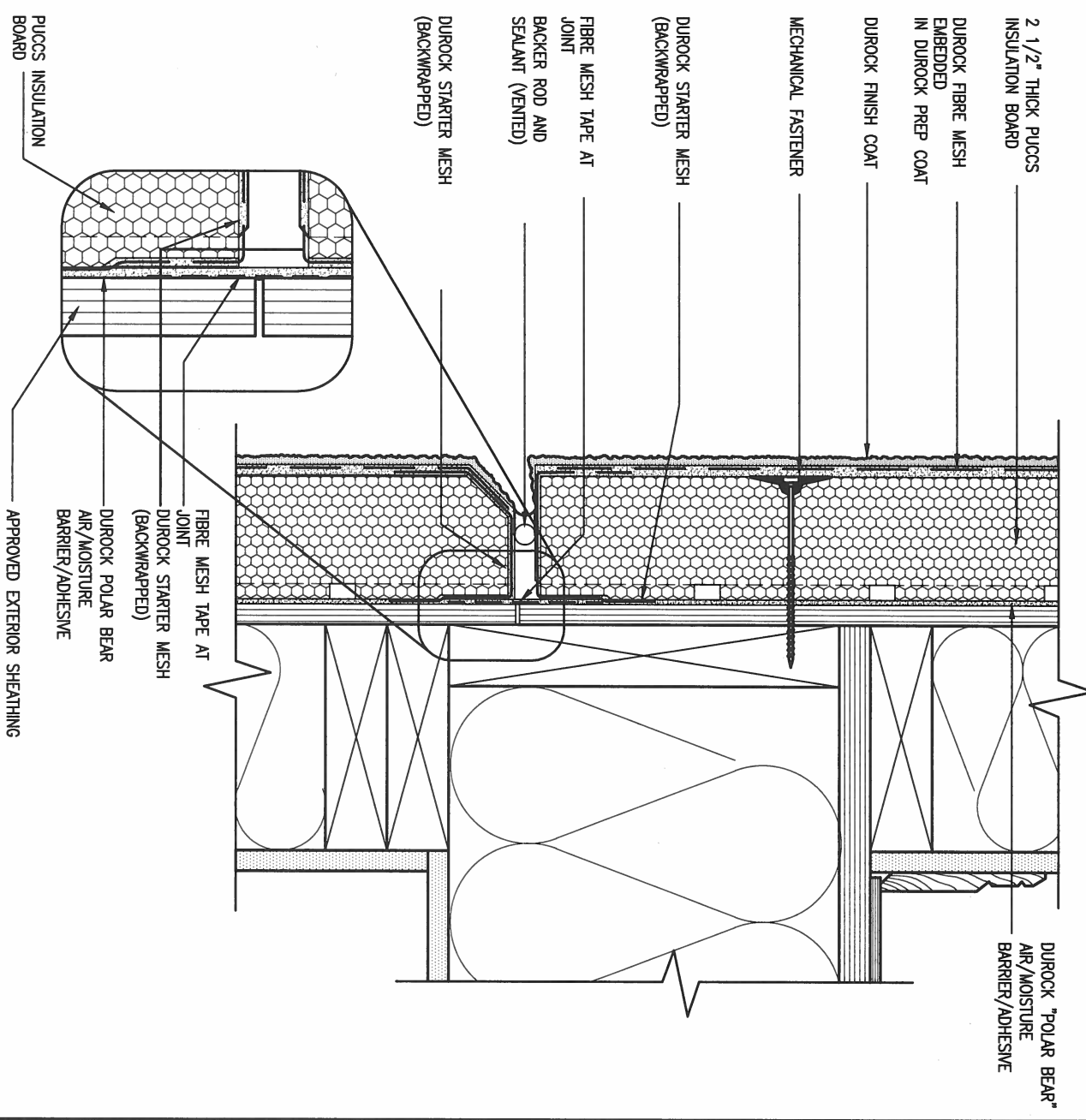
255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON		CONST NOTE	
project name	GREEN VALLEY ESTATES	municipality	BRADFORD
date	APR 2014	project no.	13045
drawn by	RC	checked by	-
scale	3/16" = 1'-0"	CONSTRUCTION NOTES	file name
RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\13045-CONST-0BC 2015.dwg - Tue - Dec 20 2016 - 9:19 AM		13045-CONST-0BC 2015	CN3



3 STUCCO TERMINATION @ ROOF
CN4 SCALE: 3"=1'-0"

ALL STUCCO WALLS TO HAVE A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR. THE EXTERIOR SHEATHING MUST NOT BE GYPSUM BASED. ALL STUCCO TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.
DETAILS ARE BASED ON DUROCK PUCCS SYSTEM



4 HORIZONTAL EXPANSION JOINT
CN4 SCALE: 3"=1'-0"

9 .		. .		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.	
8 .		. .		qualification information	
7 .		. .		Wellington Jno-Baptiste 25591	
6 .		. .		signature BCIN	
5 .		. .		registration information	
4 .		. .		VA3 Design Inc. 42658	
3 .		. .		Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.	
2 UPDATE TO CODE		APR 16-15		RC	
1 ISSUE FOR CLIENT REVIEW		MAY 07-14		RC	
no. description		date		by	

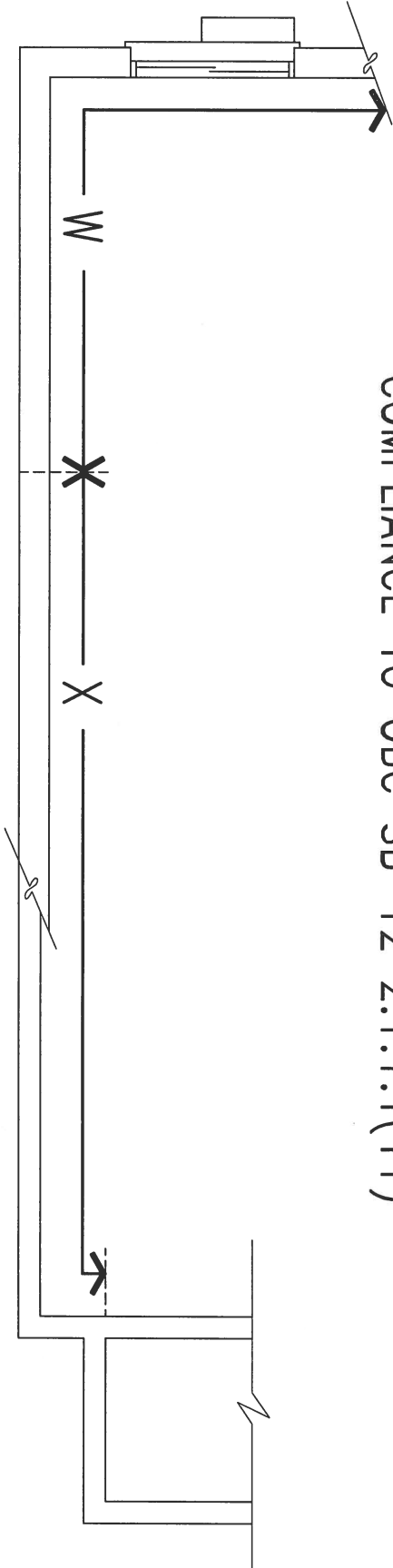
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t 416.630.2255 f 416.630.4782
va3design.com

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project name GREEN VALLEY ESTATES
municipality BRADFORD
date APR 2014
drawn by RC
checked by -
scale 3/16" = 1'-0"
file name 13045-CONST-OBC 2015
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CONST NOTE
project no. 13045
drawing no. CN4

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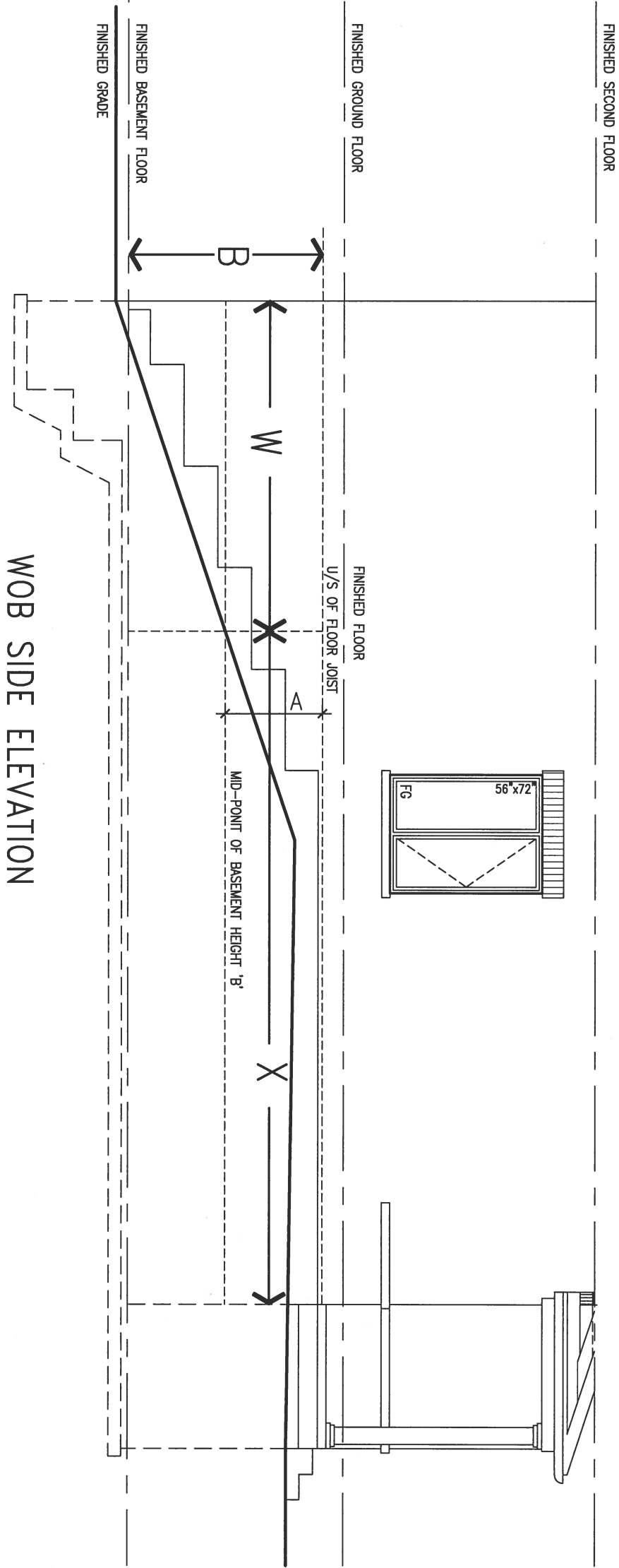
COMPLIANCE TO OBC SB-12 2.1.1.1(11)



WOB PLAN



MAY 8, 2017



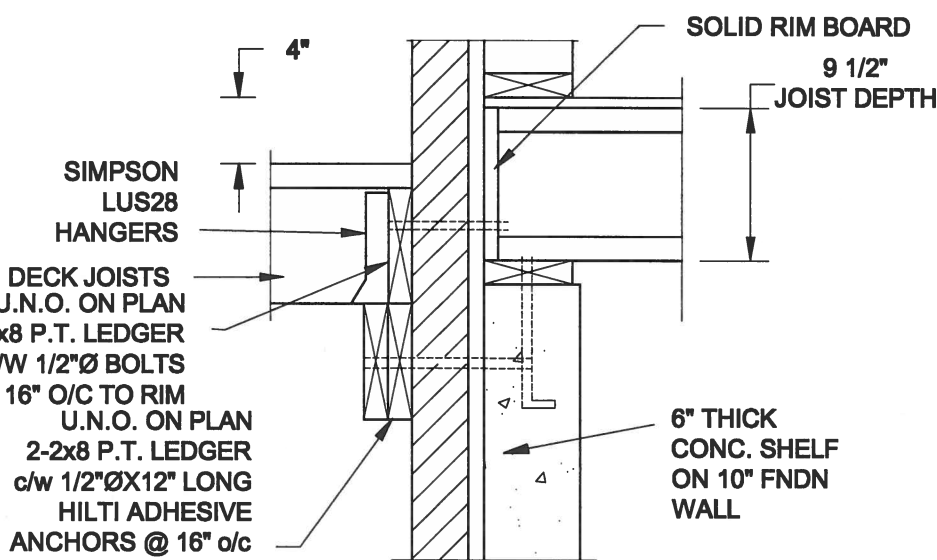
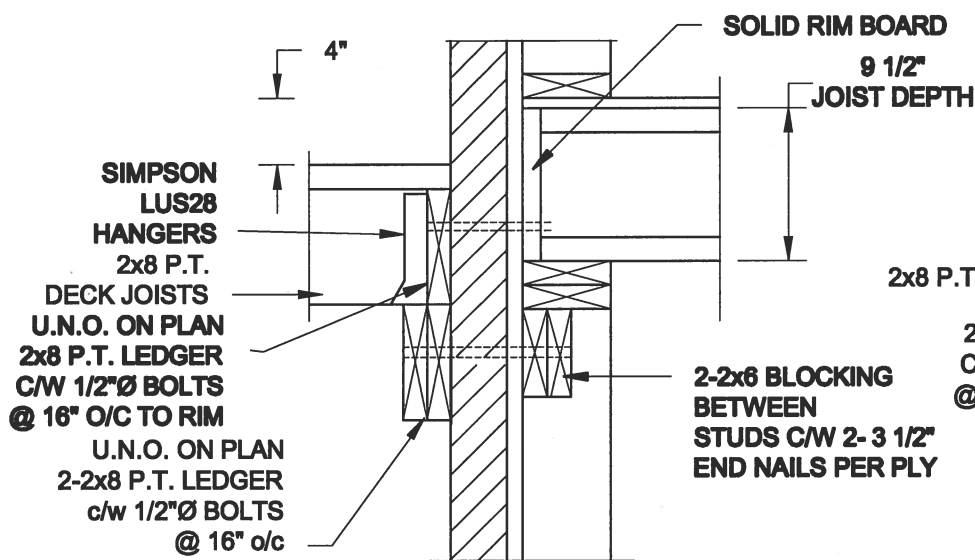
WOB SIDE ELEVATION

WHEN EXPOSED WALL "A" IS GREATER THAN 50% OF BASEMENT WALL HEIGHT "B" INSULATION VALUE FOR WALL IN SECTION "W" IS NOT LESS THAN IS REQUIRED FOR ABOVE GRADE WALL AS REQUIRED BY TABLE 2.1.1.2A

WHEN EXPOSED WALL "A" IS LESS THAN 50% OF BASEMENT WALL HEIGHT "B" INSULATION VALUE FOR WALL IN SECTION "X" IS NOT LESS THAN BASEMENT WALL AS REQUIRED BY TABLE 2.1.1.2A

9	.	.	.	<div>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.</div> <div>qualification information</div> <div>Wellington Jno-Baptiste <i>Jno-Baptiste</i> 25591</div> <div>name signature BCIN</div> <div>registration information</div> <div>VA3 Design Inc. 42658</div>	<div><div>VA3</div><div>DESIGN</div><div>255 Consumers Rd Suite 120</div><div>Toronto ON M2J 1R4</div><div>t 416.630.2255 f 416.630.4782</div><div>va3design.com</div></div>	BAYVIEW WELLINGTON		CONST NOTE						
8	.	.	.			project name	GREEN VALLEY ESTATES	municipality	BRADFORD	project no.	13045			
7	.	.	.			date	APR 2014	CONSTRUCTION NOTES			drawing no.			
6	.	.	.			drawn by	RC	checked by	-	scale	3/16" = 1'-0"	file name	13045-CONST-OBC 2015	CN7
5	.	.	.			RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\13045-CONST-OBC 2015.dwg - Tue - Dec 20 2016 - 9:17 AM								
4	.	.	.											
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2	UPDATE TO CODE	APR 16-15	RC	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.										
1	ISSUE FOR CLIENT REVIEW	MAY 07-14	RC											
no.	description	date	by											

FOR 9 1/2" JOIST DEPTH

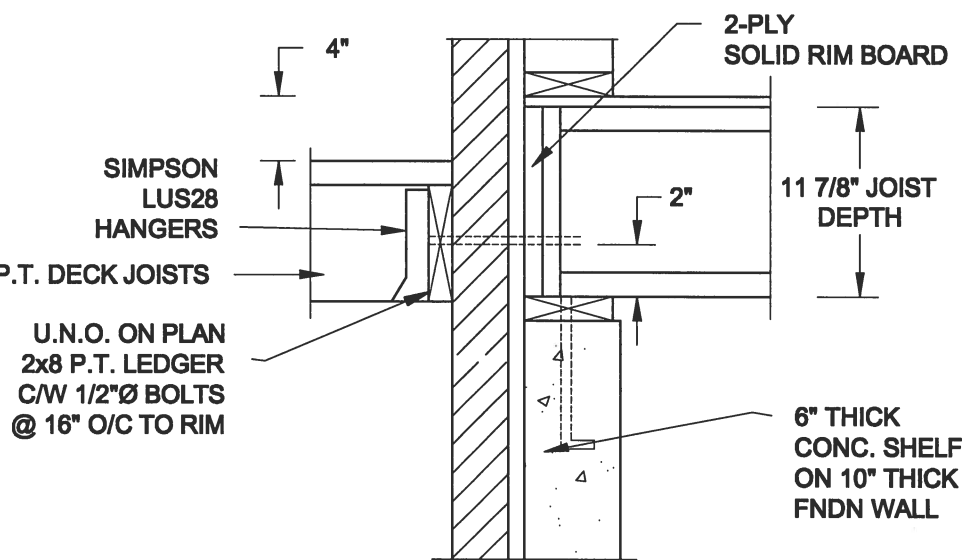
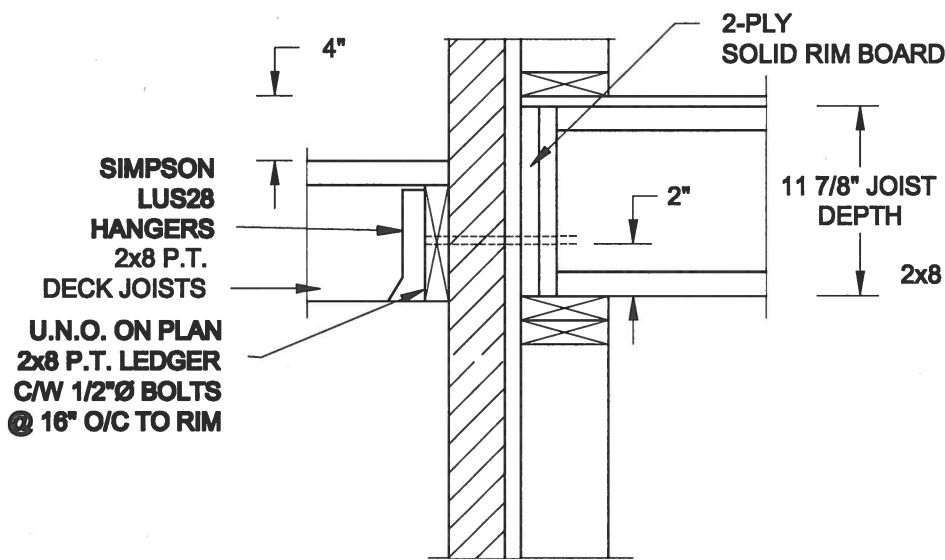


1A
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"

1B
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"

- NOTE: 1. WHERE BACKFILL HEIGHT < 4'-7", PROVIDE 2x8 @ 16" o/c KNEEWALL ON 10" THICK CONC FNDN WALL
2. WHERE BACKFILL HEIGHT > 4'-7", PROVIDE 6" CONC SHELF FOR BRICK VENEER ON 10" THICK CONC FNDN WALL
3. FOOTING TO BE 22"x6" THICK UNLESS NOTED OTHERWISE ON PLAN.

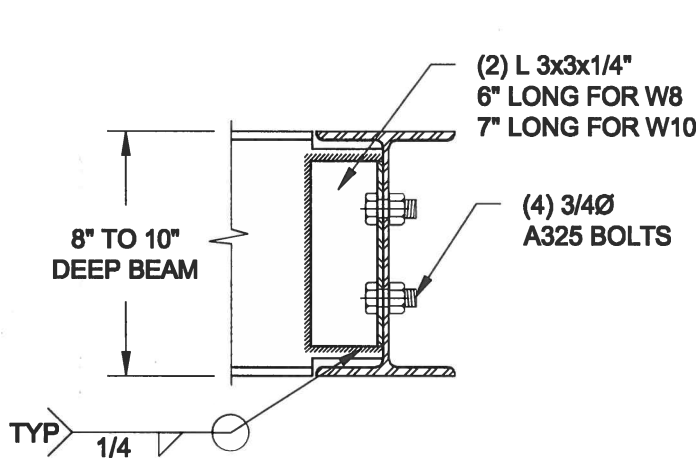
FOR 11 7/8" JOIST DEPTH



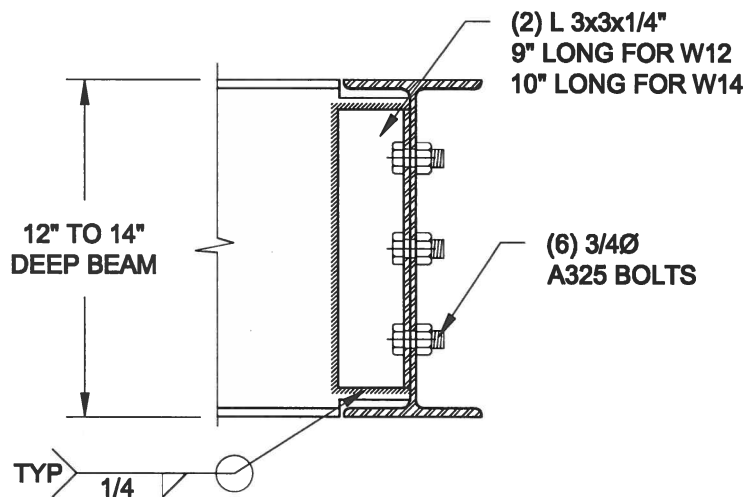
2A
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"

2B
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"

- NOTE: 1. WHERE BACKFILL HEIGHT < 4'-7", PROVIDE 2x8 @ 16" o/c KNEEWALL ON 10" THICK CONC FNDN WALL
2. WHERE BACKFILL HEIGHT > 4'-7", PROVIDE 6" CONC SHELF FOR BRICK VENEER ON 10" THICK CONC FNDN WALL
3. FOOTING TO BE 22"x6" THICK UNLESS NOTED OTHERWISE ON PLAN.



NOTE: DETAIL IS APPLICABLE TO W8x40 (W200x59) BEAM MAX AND W10x39 (W250x58) BEAM MAX.



NOTE: DETAIL IS APPLICABLE TO W12x58 (W310x86) BEAM MAX AND W14x48 (W360x72) BEAM MAX.

3
S2 **STEEL BEAM CONNECTION DETAIL**
SCALE: 1-1/2" = 1'-0"

Scale:
AS NOTED

Date:
MAY-31-2016

Drawn:
SC

Checked:
SJB

QUAILE ENGINEERING LTD.



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Newmarket, ON
L3Y 8J9
T: 905-853-8547
E: quaile.eng@rogers.com

Engineer's Seal



MAY 30, 2016

Project:

BAYVIEW WELLINGTON HOMES - GREEN VALLEY ESTATES PROJECT
BRADFORD, ONTARIO

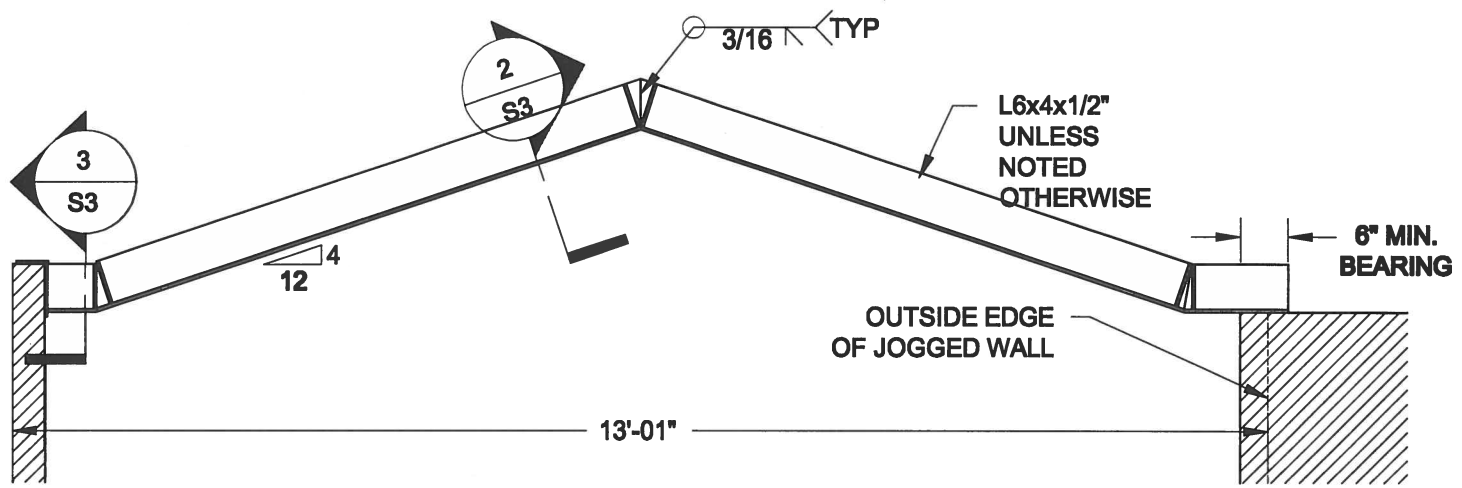
TYPICAL STRUCTURAL DETAILS FOR SINGLES

Project No.:

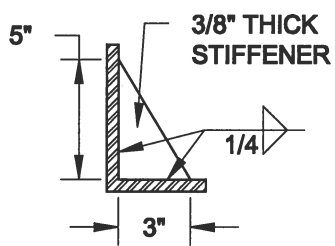
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Drawing No.:

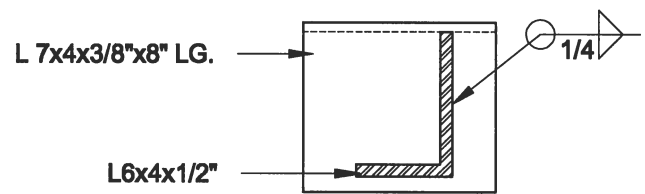
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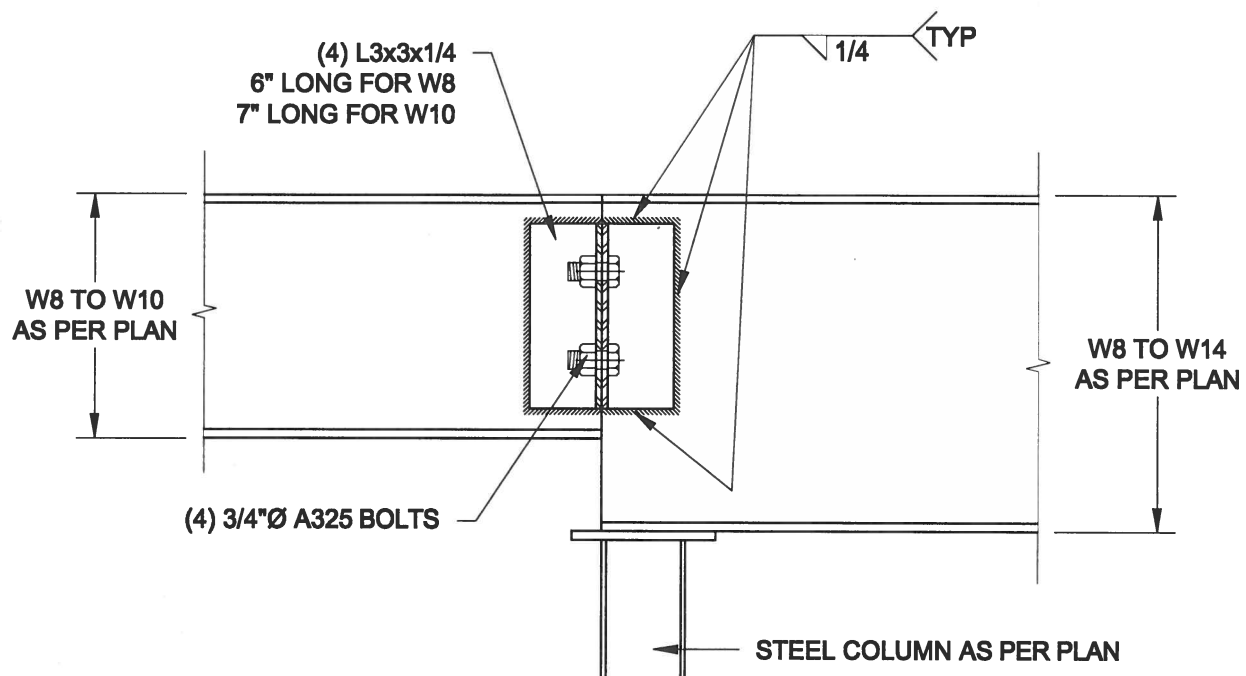
1
S3 **STEEL LINTEL AT GABLE**
SCALE: 1/2" = 1' - 0"



2
S3 **TYP. STIFFENER**
SCALE: 1 1/2" = 1' - 0"



3
S3 **INVERTED ANGLE**
SCALE: 1 1/2" = 1' - 0"



4
S3 **STEEL BEAM CONNECTION**
SCALE: 1 1/2" = 1' - 0"

Scale:
AS NOTED

Date:
MAY-31-2016

Drawn:
SC

Checked:
SJB

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BRADFORD, ONTARIO

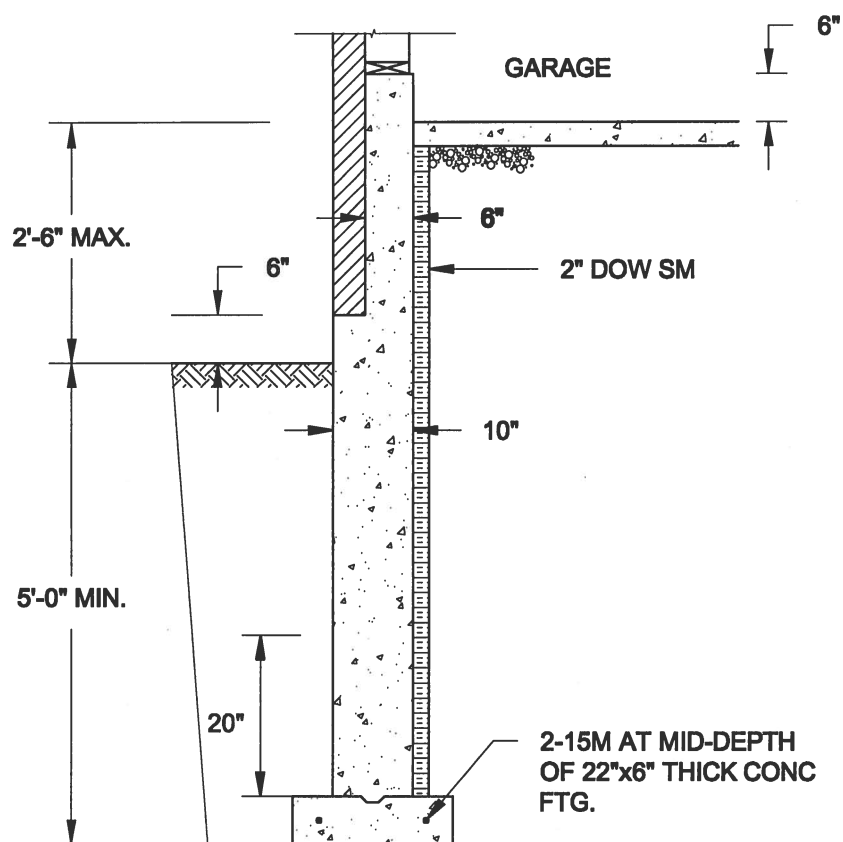
TYPICAL STRUCTURAL DETAILS FOR SINGLES

Project No.:

16-102

Drawing No.:

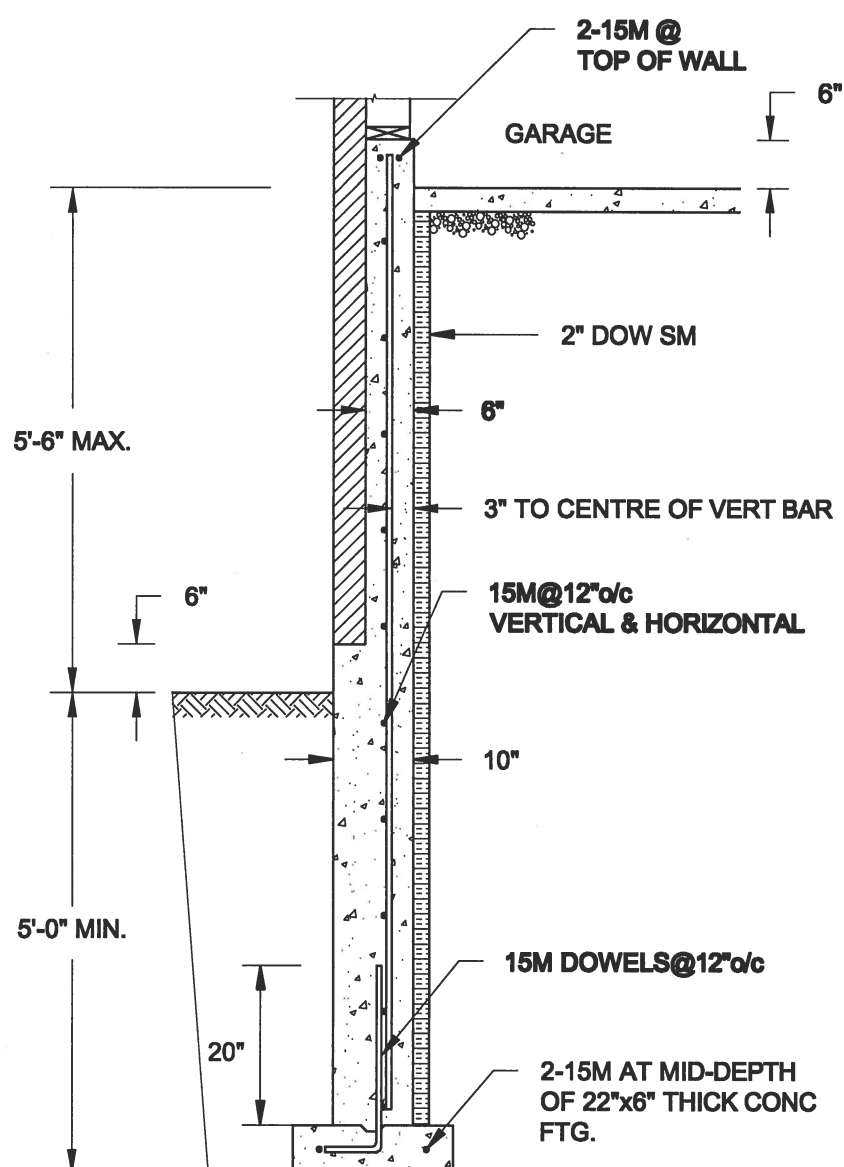
S3



1A
S4 **REINFORCED BRICKSHELF**
SCALE: 1/2" = 1'-0"

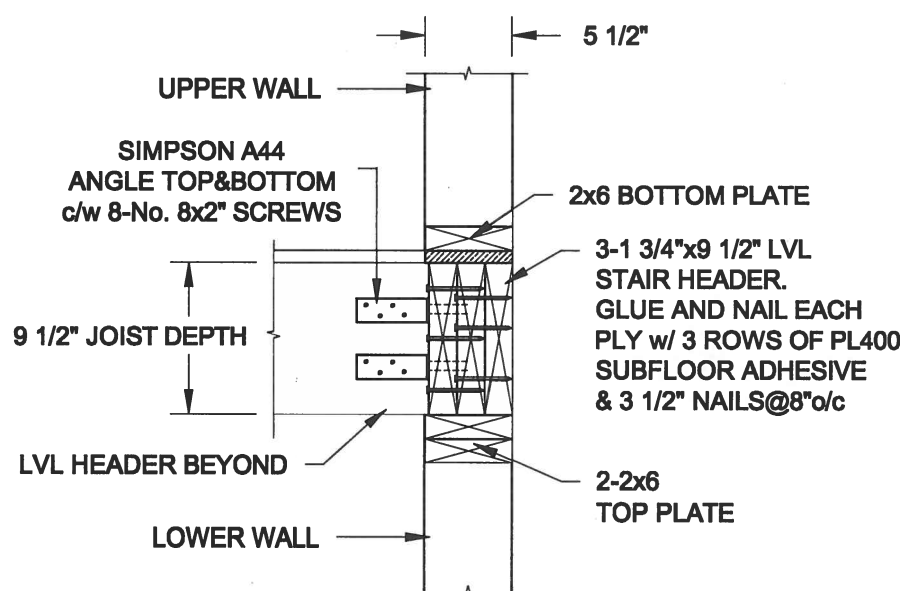
NOTE:

1. CONFORM TO ONTARIO BUILDING CODE, 2012.
2. CONCRETE TO HAVE 28-DAY COMPRESSIVE STRENGTH OF 20 MPa.
3. REINFORCING BARS TO BE GRADE 400 DEFORMED STEEL.
4. PROVIDE 3" COVER TO SOIL MINIMUM.

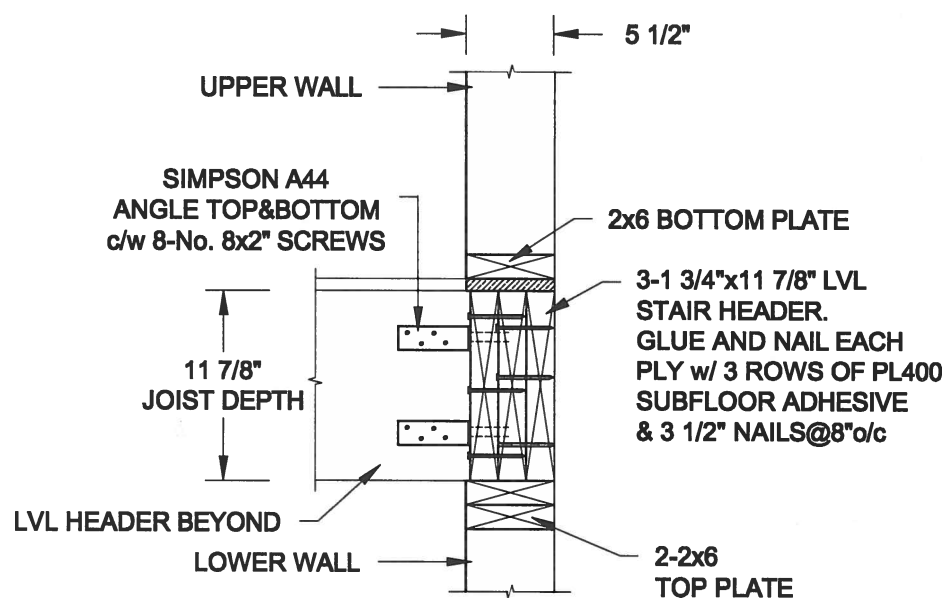


1B
S4 **REINFORCED BRICKSHELF**
SCALE: 1/2" = 1'-0"

FOR 9 1/2" JOIST DEPTH



FOR 11 7/8" JOIST DEPTH



2
S4 **STAIR HEADER @ EXTERIOR WALL**
SCALE: 1" = 1'-0"

Scale:
AS NOTED

Date:
MAY-31-2016

Drawn:
SC

Checked:
SJB

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Project:

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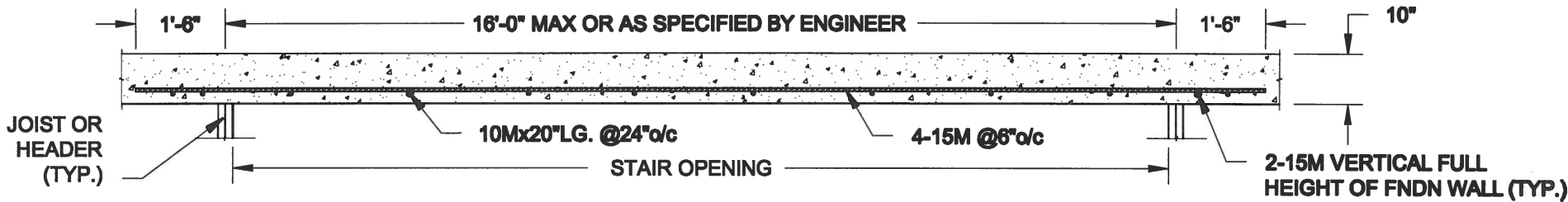
TYPICAL STRUCTURAL DETAILS FOR SINGLES

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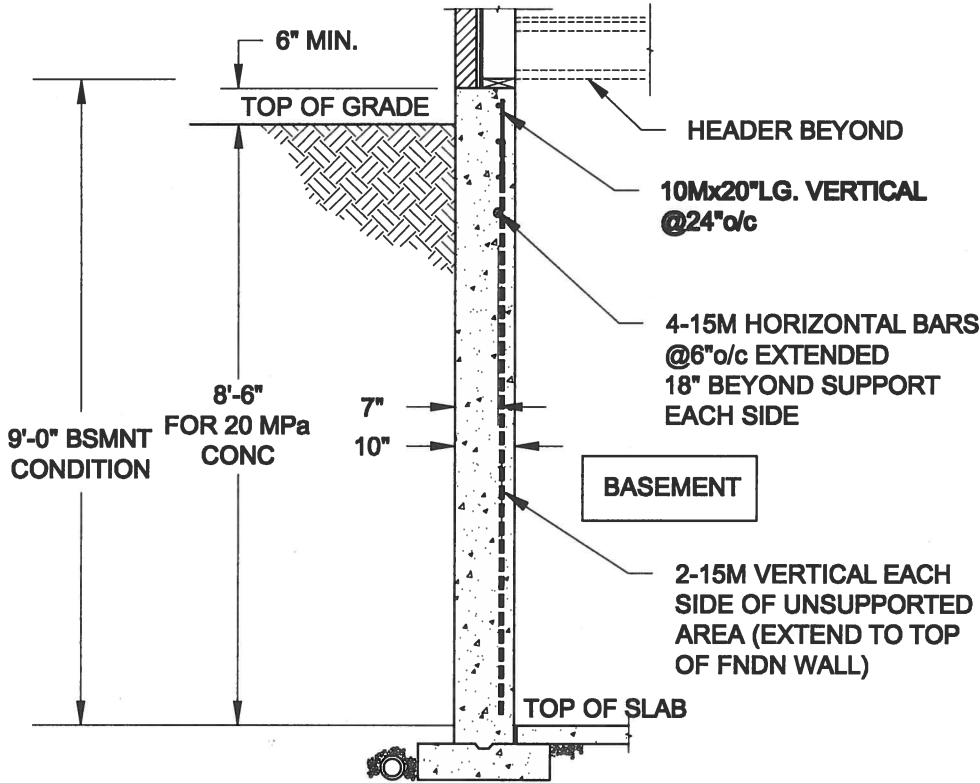
16-102

Drawing No.:

S4



PLAN VIEW



NOTE:

1. CONFORM TO ONTARIO BUILDING CODE, 2012.
2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS TO BE 20 MPa. MIN.
3. REINFORCING STEEL TO BE GRADE 400.

1
S5

LATERALLY UNSUPPORTED WALL

SCALE: 3/8" = 1'-0"

Scale:
AS NOTED

Date:
MAY-31-2016

Drawn:
SC

Checked:
SJB

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L3Y 8J9
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MAY 30, 2016

Project:

BAYVIEW WELLINGTON HOMES - GREEN VALLEY ESTATES PROJECT
BRADFORD, ONTARIO

TYPICAL STRUCTURAL DETAILS FOR SINGLES

Project No.:

16-102

Drawing No.:

S5