

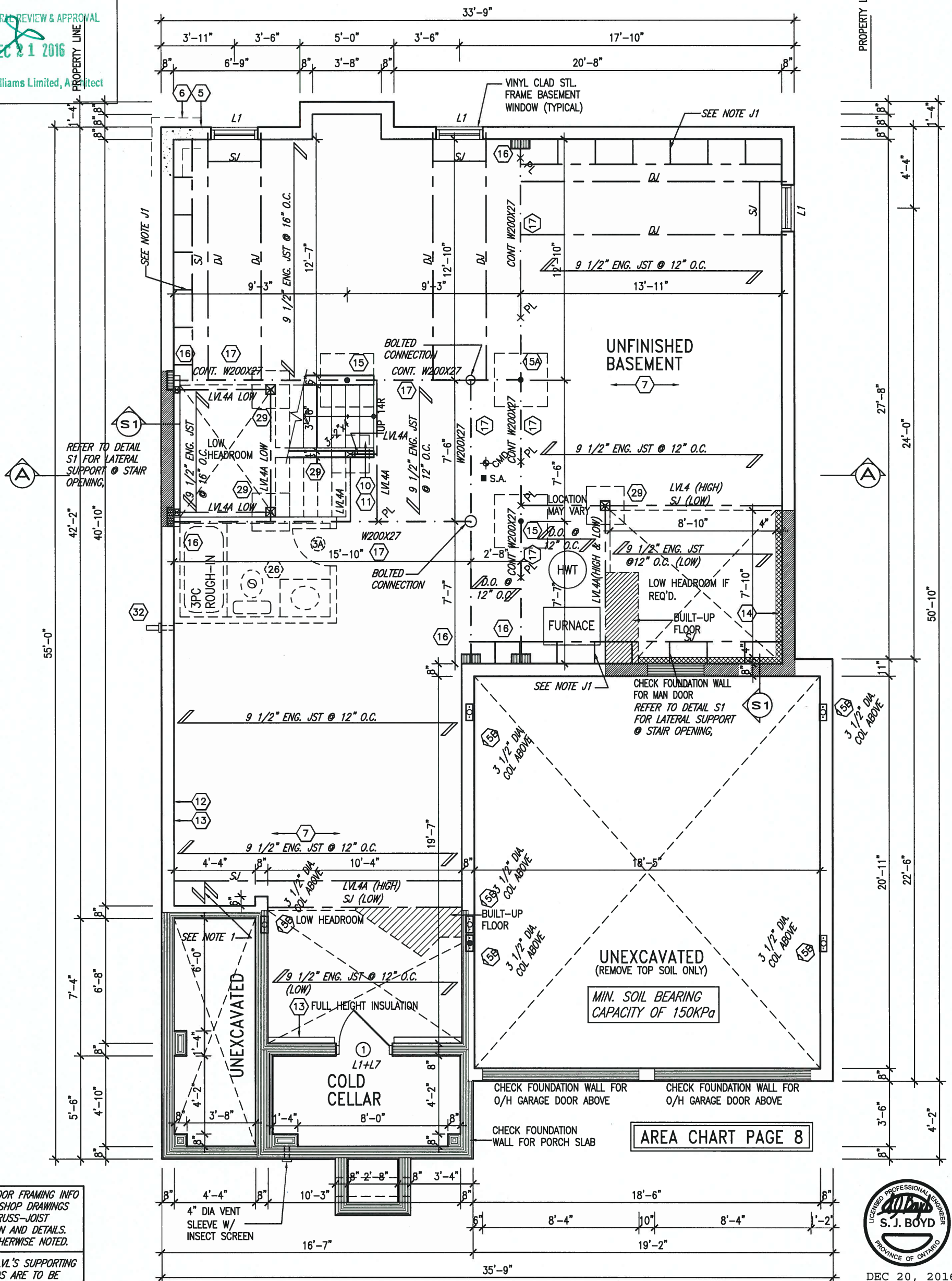
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ARCHITECTURAL REVIEW & APPROVAL

DEC 21 2016

John G. Williams Limited, Architect



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

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

NOTE: SPACE ALL FLOOR JOISTS @ 12\"/>

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2	REVISED AS PER ENG COMMENTS	DEC 19-16	RC
1	ISSUED FOR CLIENT REVIEW	NOV 23-16	.
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-Baptista 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

project name
GREEN VALLEY ESTATES
municipality
BRADFORD, ONT.

date
SEPT. 2015

drawn by
KM
checked by
scale
3/16\"/>

S42-16
RIDEAU 16

project no.
13045

BASEMENT PLAN 'B'

file name
13045-S42-16B LOT 201

drawing no.
1

RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\42\13045-S42-16B LOT 201.dwg - Mon - Dec 19 2016 - 5:14 PM

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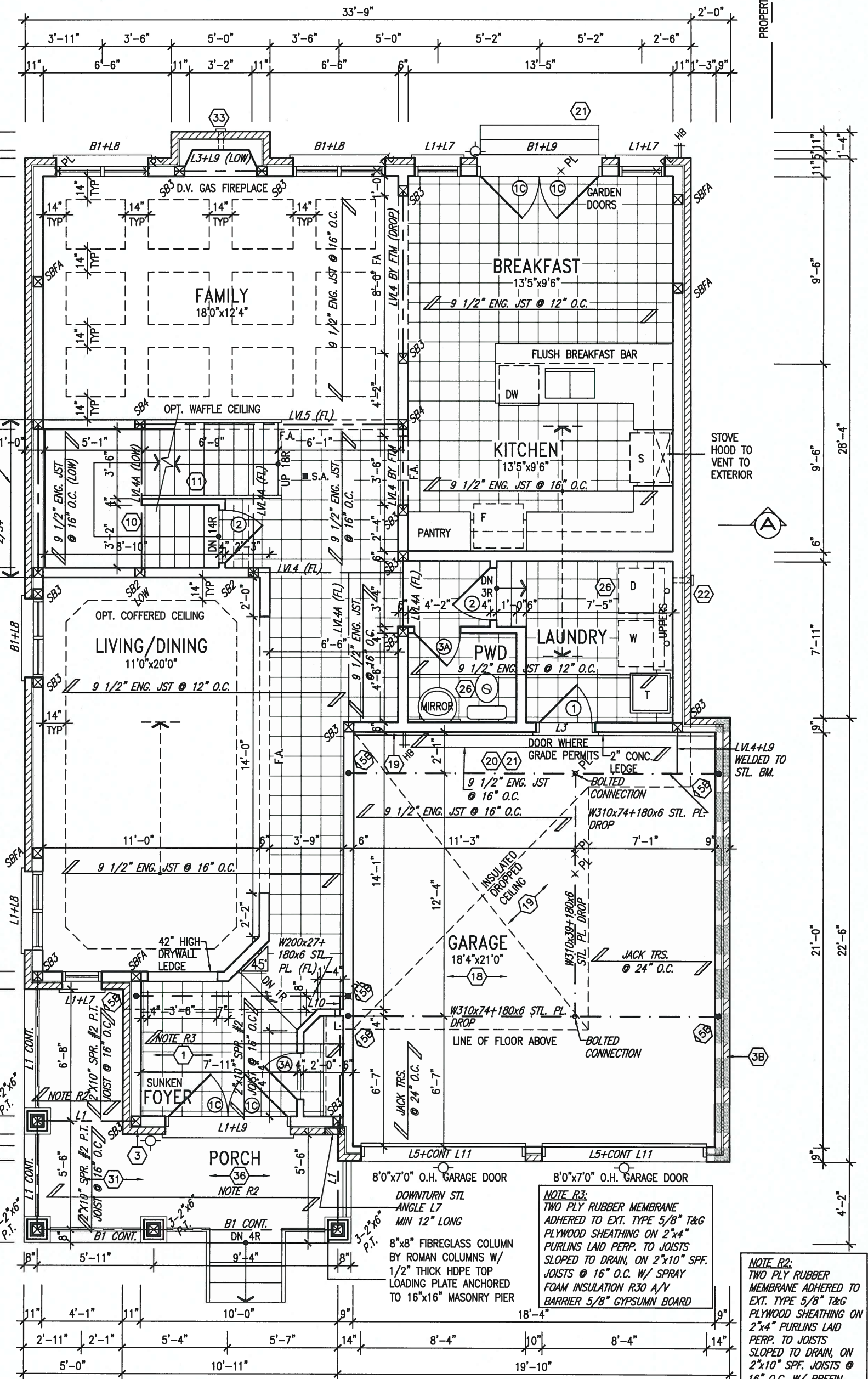
ARCHITECTURAL REVIEW & APPROVAL

DEC 21 2016

John G. Williams Limited, Architect



DEC 20, 2016



GROUND FLOOR PLAN 'B'

LOT 201

INDICATES REDUCED SIDE YARD

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

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


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

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

NOTE R3: TWO PLY RUBBER MEMBRANE ADHERED TO EXT. TYPE 5/8" T&G PLYWOOD SHEATHING ON 2"x4" PURLINS LAID PERP. TO JOISTS SLOPED TO DRAIN, ON 2"x10" SPF. JOISTS @ 16" O.C. W/ SPRAY FOAM INSULATION R30 A/V BARRIER 5/8" GYPSUM BOARD

NOTE R2: TWO PLY RUBBER MEMBRANE ADHERED TO EXT. TYPE 5/8" T&G PLYWOOD SHEATHING ON 2"x4" PURLINS LAID PERP. TO JOISTS SLOPED TO DRAIN, ON 2"x10" SPF. JOISTS @ 16" O.C. W/ PREFIN. ALUM. SOFFIT ON U/S

9.			
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2.	REVISED AS PER ENG COMMENTS	DEC 19-16	RC
1.	ISSUED FOR CLIENT REVIEW	NOV 23-16	
no.	description	date	by

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

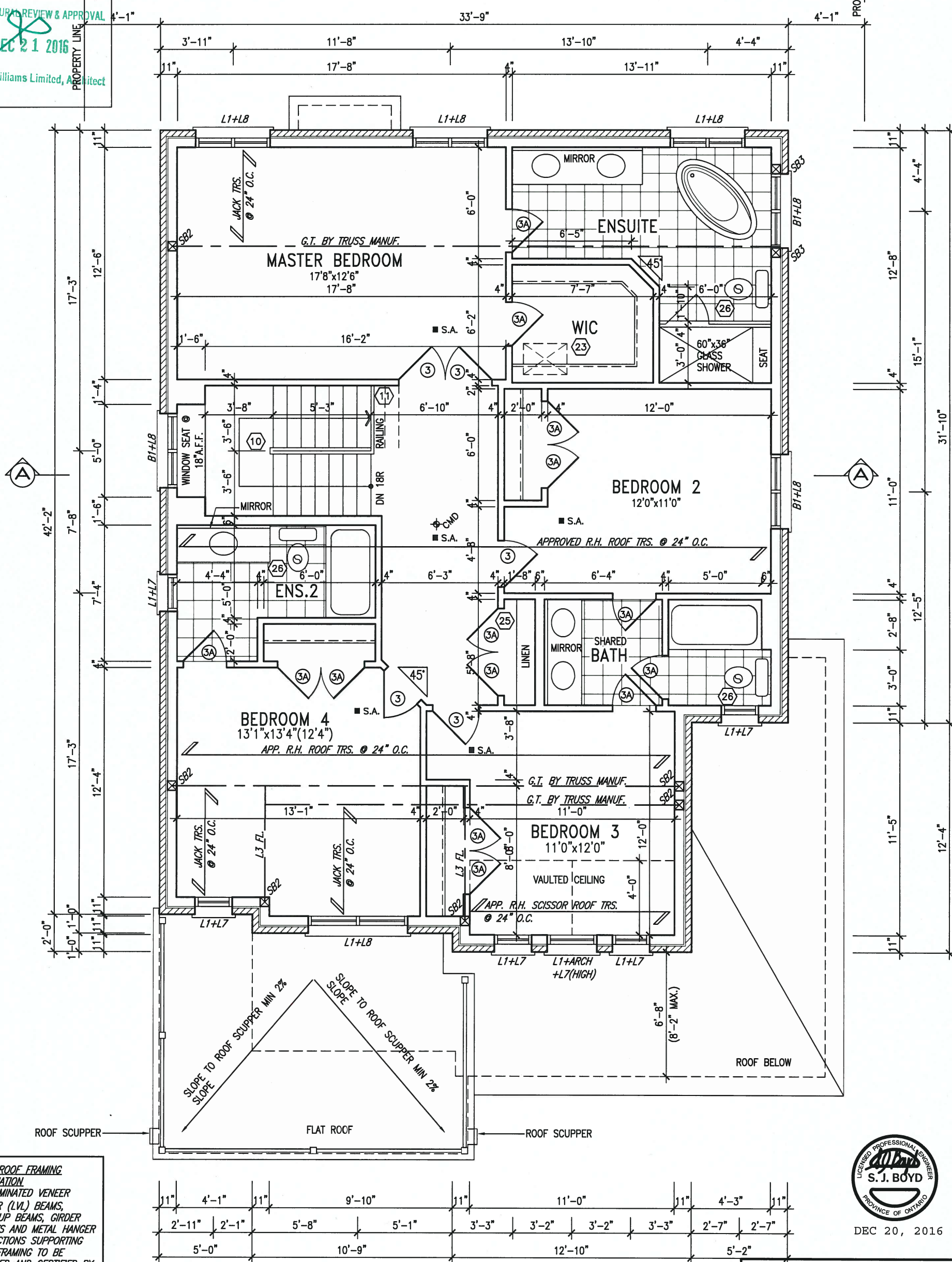
S42-16
RIDEAU 16

project name	GREEN VALLEY ESTATES	municipality	BRADFORD, ONT.	project no.	13045
date	SEPT. 2015	checked by		scale	3/16" = 1'-0"
drawn by	KM	checked by		scale	3/16" = 1'-0"
GROUND FLOOR PLAN 'B'				file name	13045-S42-16B LOT 201
RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\42\13045-S42-16B LOT 201.dwg - Mon - Dec 19 2016 - 5:14 PM				drawing no.	2

This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the Town of BRADFORD / WEST GWILLIMBURY.

~~DEC 21 2016~~

John G. Williams Limited, Architects



NOTE: ROOF FRAMING INFORMATION
ALL LAMINATED VENEER LUMBER (LVL) BEAMS, BUILT-UP BEAMS, GIRDER TRUSSES AND METAL HANGER CONNECTIONS SUPPORTING ROOF FRAMING TO BE DESIGNED AND CERTIFIED BY ROOF TRUSS MANUFACTURER. REFER TO ROOF TRUSS SHOP DRAWINGS FOR ALL ROOF FRAMING INFORMATION UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.

DEC 20, 2016

SECOND FLOOR PLAN 'B'

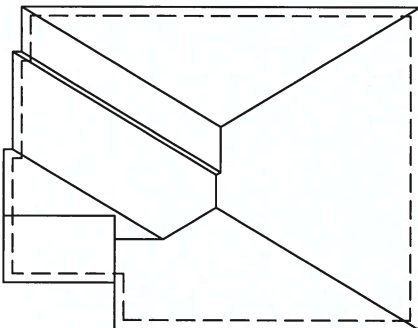
LOT 201

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. REFER TO OBC. 9.5.2.3, 3.8.3.8.(3)(a), 3.8.3.8.(3)(c), 3.8.3.13.(2)(f) & 3.8.3.13.(4)(c). AND DETAILS PROVIDED.

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  25591</div> <div>name BCIN</div> <div>registration information</div> <div>VA3 Design Inc. 42658</div>	<div></div> <div>255 Consumers Rd Suite 120 Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3design.com</div>	BAYVIEW WELLINGTON		S42-16 RIDEAU 16	
8	.	.	.			project name	BRADFORD, ONT.	project no.	13045
7	.	.	.			date	SECOND FLOOR PLAN 'B'		drawing no.
6	.	.	.			drawn by	checked by	scale	file name
5	.	.	.			KM	-	3/16" = 1'-0"	13045-S42-16B LOT 201
4	.	.	.	RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\42\13045-S42-16B LOT 201.dwg - Mon - Dec 19 2016 - 5:14 PM					
3	2 REVISED AS PER ENG COMMENTS	DEC 19-16	RC	<div>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.</div>					
1	ISSUED FOR CLIENT REVIEW	NOV 23-16	.						
no.	description	date	by						

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G. Williams Limited,



FRONT ELEVATION 'B'

LOT 201

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	-	-	
7	-	-	qualification information
6	-	-	Wellington Jno-Baptiste <i>Jno-Baptiste</i> 25591
5	-	-	name signature BCIN
4	-	-	registration information VA3 Design Inc. 42658
3	-	-	
2	REVISED AS PER ENG COMMENTS	DEC 19-16	RC
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no.	description	date	by

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vo3design.com

**VA3
DESIGN**

BAYVIEW WELLINGTON

project name GREEN VALLEY ESTATES	municipality BRADFORD, ONT.
---	---------------------------------------

date
SEPT. 2015

drawn by
KM

checked by
-

scale
3/16" = 1'-0"

file name
13045-S42-16B LOT 201

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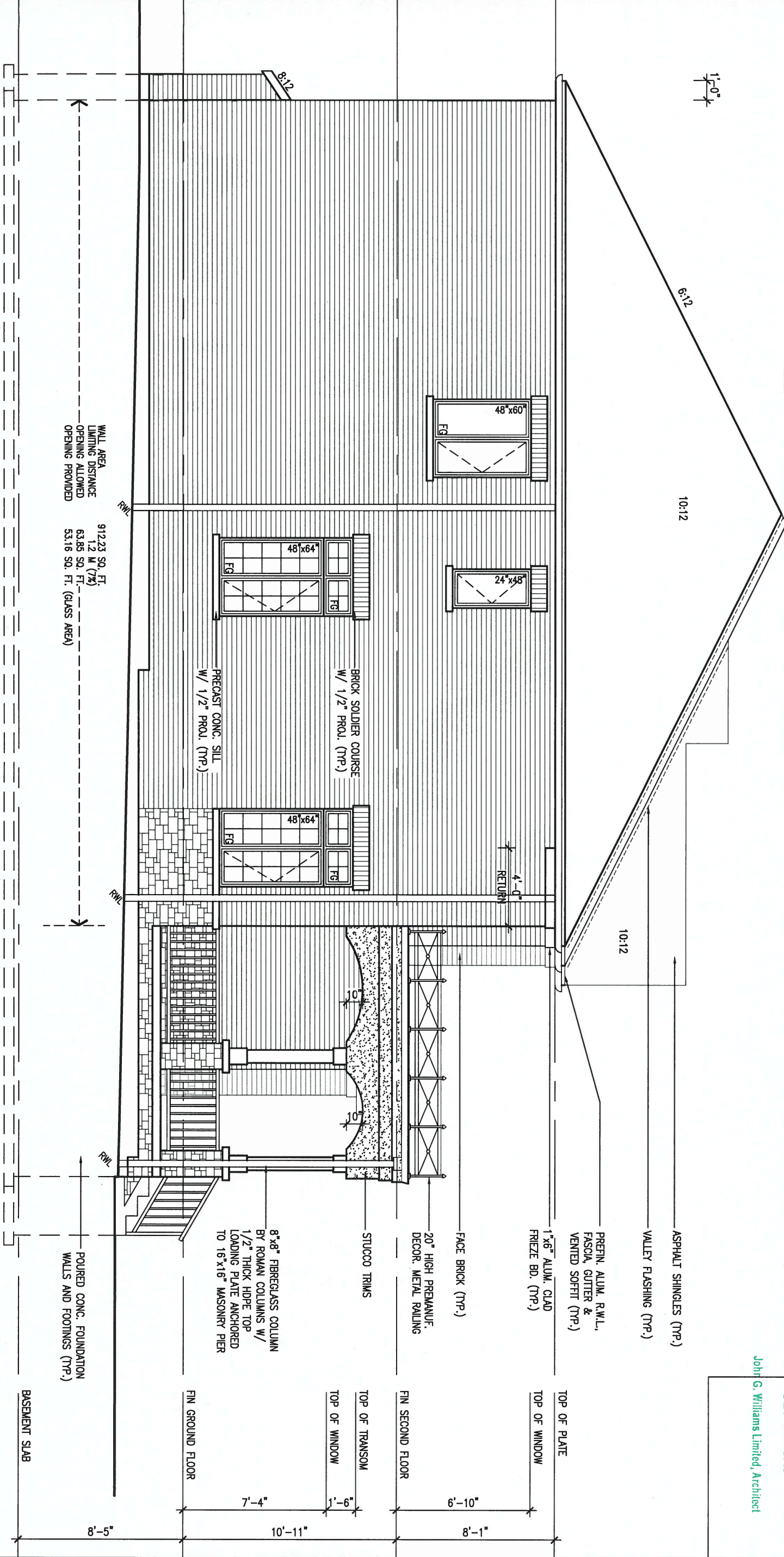
S42-16
RIDEAU 16

project no.
13045

drawing no.
4

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UNINSULATED OPENINGS (PER OBC. SB-12.2.1.1(7))			
42-16 ELEVATION B LOT 201	ENERGY EFFICIENCY - OBC S812		
ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE
FRONT	761.00 S.F.	95.88 S.F.	12.57 %
LEFT SIDE	1026.00 S.F.	82.56 S.F.	8.05 %
RIGHT SIDE	1019.00 S.F.	37.00 S.F.	3.63 %
REAR	695.00 S.F.	205.62 S.F.	29.59 %
TOTAL SQ. FT.	3501.00 S.F.	420.86 S.F.	12.02 %
TOTAL SQ. M.	325.25 S.M.	39.10 S.M.	12.02 %



DEC 20, 2016

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DEC 21 2016

John G. Williams Limited, Architect

ASPHALT SHINGLES (TYP.)
VALLEY FLASHING (TYP.)
PREFIN. ALUM. R.W.L.,
FASCIA, GUTTER &
VENTED SOFFIT (TYP.)
1"x6" ALUM. CLAD
FRIEZE BD. (TYP.)

FACE BRICK (TYP.)

20" HIGH PREFABRIC.
DECOR. METAL RAILING

STUCCO TRIMS

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

POURED CONC. FOUNDATION
WALLS AND FOOTINGS (TYP.)

BASEMENT SLAB

FIN GROUND FLOOR

TOP OF WINDOW

TOP OF TRANSOM

FIN SECOND FLOOR

TOP OF WINDOW

TOP OF PLATE

7'-4"

10'-11"

1'-6"

6'-10"

8'-1"

8'-5"

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
6.	.	.	.	name
5.	.	.	.	registration information
4.	.	.	.	VA3 Design Inc.
3.	.	.	.	42658
2.	REVISED AS PER ENG COMMENTS	DEC 19-16	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.
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t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON

project name
GREEN VALLEY ESTATES

municipality
BRADFORD, ONT.

date
SEPT. 2015

drawn by
KM

checked by

scale
3/16" = 1'-0"

LEFT SIDE ELEVATION 'B'

file name
13045-S42-16B LOT 201

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S42-16
RIDEAU 16

project no.
13045

drawing no.
5

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 FIELDED. 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 FIL 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)

1'-0"

1'-0"

1'-0"

ASPHALT SHINGLES (TYP.)

PREFIN. ALUM. R.W.L.,
FASCIA, GUTTER &
VENTED SOFFIT (TYP.)

1"x6" ALUM. CLAD
FRIEZE BD. (TYP.)

FACE BRICK (TYP.)

20" HIGH PREMANUF.
DECOR. METAL RAILING

STUCCO TRIMS

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

PREC. CONC. SILL ON
STONE VENEER (TYP.)

POURED CONC.
FOUNDATION
WALLS AND
FOOTINGS (TYP.)

5'-0" MIN.

4'-0"
RETURN

4'-0"
RETURN

PREFIN. MTL. FLASHING, W/
CAULKING TO MATCH (TYP.)

BRICK SOLDIER COURSE
W/ 1/2" PROJ. (TYP.)

PRECAST CONC. SILL
W/ 1/2" PROJ. (TYP.)

WALL AREA
LIMITING DISTANCE
OPENING ALLOWED
1021.62 sq ft
1.2 M (7'6")
71.51 SQ. FT.
37.00 SQ. FT.

STEPPED FOOTING
AS REQUIRED (TYP.)

RIGHT SIDE ELEVATION 'B'

LOT 201



DEC 20, 2016

John G. Williams Limited, Architect

DEC 21 2016

This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the Town of Bradford / West Gwillimbury.
Architect
John G. Williams Limited, Architect
DEC 21 2016

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qualification information
Wellington Jno-Baptiste 25591
name
registration information
VA3 Design Inc. 42658
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va3design.com

BAYVIEW WELLINGTON
project name
GREEN VALLEY ESTATES
municipality
BRADFORD, ONT.
date
SEPT. 2015
checked by
scale
3/16" = 1'-0"
drawing no.
13045-S42-16B LOT 201
file name
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S42-16
RIDEAU 16
project no.
13045
drawing no.
6

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2.	REVISED AS PER ENG COMMENTS	DEC 19-16	RC
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no.	description	date	by

1'-0"

1'-0"

DEC 20, 2016



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ARCHITECTURAL REVIEW & APPROVAL

DEC 21 2016

John G. Williams Limited, Architects

PREFN. ALUM. R.W.L.,
FASCIA, GUTTER &
VENTED SOFFIT (TYP.)

10:12

6:12

10:12

ASPHALT SHINGLES (TYP.)

BRICK SOLDIER COURSE
W/ 1/2" PROL. (TYP.)

PREC. CONC. SILL W/
1/2" PROL. (TYP.)

FACE BRICK (TYP.)

FINISHED GRADE

POURED CONC. FOUNDATION
WALLS AND FOOTINGS (TYP.)

(21)
PRECAST CONC. DOOR
SILL & STEP

30"x24"

30"x24"

PREFN. MTL.
FLASHING, W/
CAULKING
(TYP.)

ASPHALT SHINGLES

2'-1 1/2"
4'-0"

28"x64"

8'-2"

28"x64"

56"x64"

56"x64"

48"x48"

48"x48"

48"x48"

REAR ELEVATION 'A' / 'B' / 'C'

LOT 201

9.	.	.	.
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qualification information			
Wellington Jno-Baptiste		25591	BCN
signature			
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Contractor registration information			
VA3 Design Inc.		42658	



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Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON			S42-16 RIDEAU 16	
project name GREEN VALLEY ESTATES		municipality BRADFORD, ONT.		project no. 13045
date SEPT. 2015		REAR ELEVATION 'A' / 'B' / 'C'		
drawing no. 7				
drawn by KM		checked by -		scale 3/16" = 1'-0"
		file name 13045-S42-16B LOT 201		
RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\42\13045-S42-16B LOT 201.dwg - Mon - Dec 19 2016 - 5:14 PM				

1'-0"

1'-0"



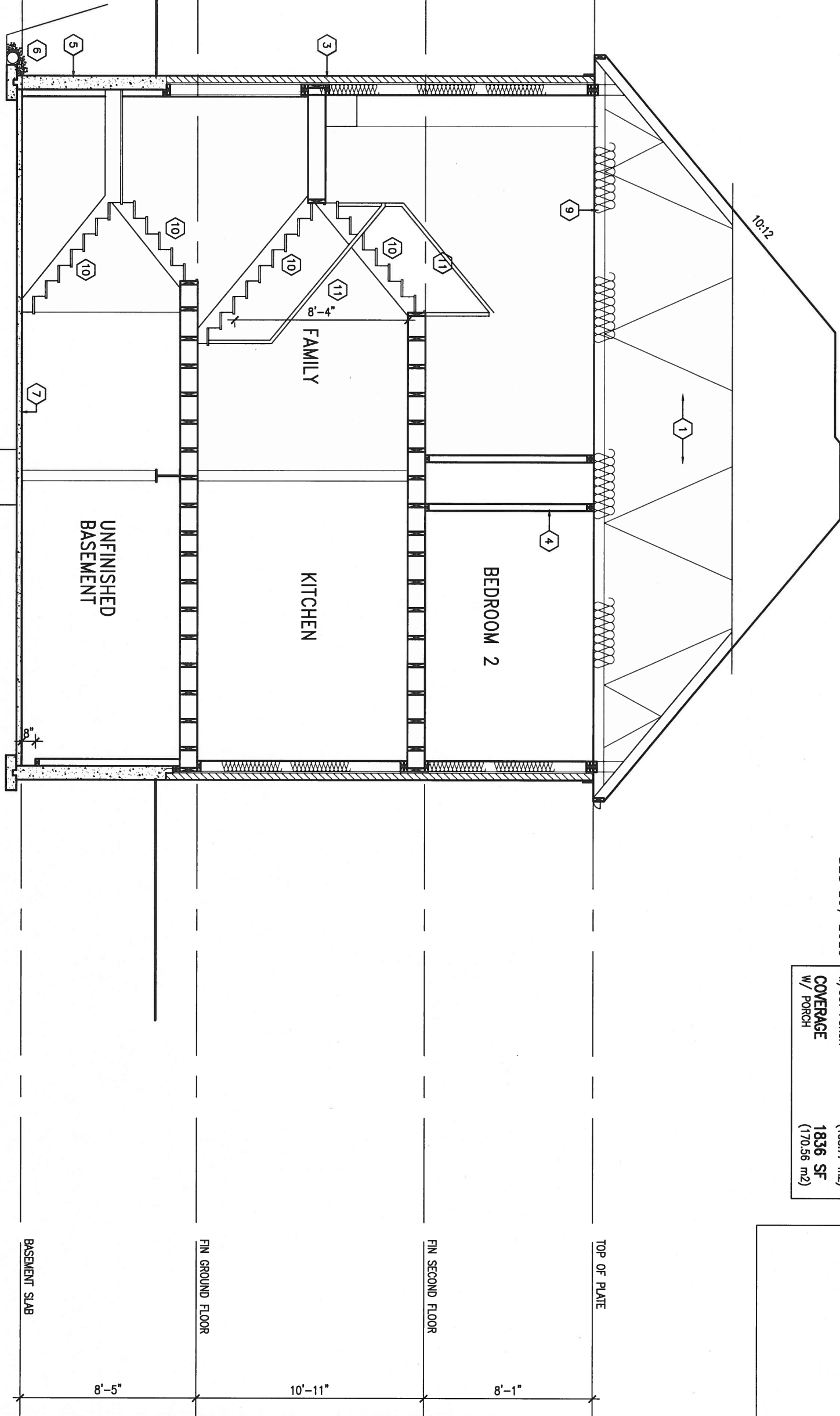
DEC 20, 2016

AREA CALCULATIONS		ELEV. B
GROUND FLOOR AREA	1297 SF	
SECOND FLOOR AREA	1406 SF	
SUBTOTAL	2698 SF	
DEDUCT ALL OPEN AREAS	XX SF	
TOTAL NET AREA	2698 SF	
	(250.65 m ²)	
FINISHED BSMT AREA	XX SF	
COVERGE	1709 SF	
W/OUT PORCH	(158.77 m ²)	
COVERGE	1836 SF	
W/ PORCH	(170.56 m ²)	

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SECTION 'A-A'



LOT 201

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.		255 Consumers Rd Suite 120 Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3design.com	project name GREEN VALLEY ESTATES	municipality BRADFORD, ONT.	project no. 13045	drawing no. 8
8	.	.	.	qualification information						
7	.	.	.	Wellington Jno-Baptiste						
6	.	.	.	signature						
5	.	.	.	name						
4	.	.	.	registration information	BCIN					
3	.	.	.	VA3 Design Inc.	42658					
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1	ISSUED FOR CLIENT REVIEW	NOV 23-16	.							
no.	description	date	by							

BAYVIEW WELLINGTON		S42-16 RIDEAU 16
project name GREEN VALLEY ESTATES		municipality BRADFORD, ONT.
date SEPT. 2015		project no. 13045
drawn by KM	checked by -	scale 3/16" = 1'-0"
file name 13045-S42-16B LOT 201		
RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\42\13045-S42-16B LOT 201.dwg - Mon - Dec 19 2016 - 5:14 PM		

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 2.1.1.2.A) 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'x6") (R28) 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 "B" 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 2.1.1.2.A) 90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x7"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'x6") (R28) 90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x7"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 "B" 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"x7"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 STOREY 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:

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 2.1.1.2.A) PROVIDE RSI 5.46 (R31) INSULATION, APPROVED VAPOUR BARRIER AND CONTINUOUS AIR BARRIER, FINISHED SOFFIT.

9. ATTIC INSULATION (SB-12-TABLE 2.1.1.2.A) (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 = 200 (7'-7/8") = 210 (8'-1/4") = 235 (9'-1/4")

MAX. RISE = 1950 (6'-5") MIN. RUN = 900 (2'-11") MIN. TREAD = 865 (2'-10") TO 965 (3'-2") MAX. NOSING = 125 (5") 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")

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").

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.

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.

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-7.2-9.4, 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 (1/88) 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 (1/88) 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'x21'0x1/2") WITH 2-12mm DIA. x 300mm LONG x50mm HOOK ANCHORS (2-1/2'x1/2'x2") FIELD WELD COL. TO BASE PLATE.

16. BEAM POCKET OR 300x150 (12'x6") POURED CONC. NIB WALLS. MIN. BEARING 90mm (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 GASPPOOFED. 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., 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.

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).

28. BEARING WOOD POST (BASEMENT) (OBC 9.17.4.4) 3-38x140 (3-2'x6") BUILT-UP POST ON METAL BASE SHOE 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 9.39.1) 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 (2.0Kpa. 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 (15-7/8") 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.-B 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) AND 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 BATHTUB IN MAIN BATHROOM. REFER TO OBC 9.5.2.3, 3.8.3.8.(1)(d) & 3.8.3.13.(1)(f). 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.-B 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. 5) LVL BEAMS SHALL BE 20F-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 mil. POLYETHYLENE FILM. No. 30 (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 8.9-23.4.3. 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
DUPLEX OUTLET (12" ABOVE SURFACE)	DUPLEX OUTLET (HEIGHT A.F.F.)
WEATHERPROOF DUPLEX OUTLET	GFI DUPLEX OUTLET (HEIGHT A.F.F.)
POT LIGHT	HEAVY DUTY OUTLET (220 volt)
LIGHT FIXTURE (PULL CHAIN)	LIGHT FIXTURE (CEILING MOUNTED)
SWITCH	LIGHT FIXTURE (WALL MOUNTED)
FLOOR DRAIN	HOSE BIB (NON-FREEZE)

SJ SINGLE JOIST
DJ DOUBLE JOIST
TJ TRIPLE JOIST
LVL LAMINATED VENEER LUMBER
POINT LOAD FROM ABOVE
P.T. PRESSURE TREATED LUMBER
G.T. 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

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.

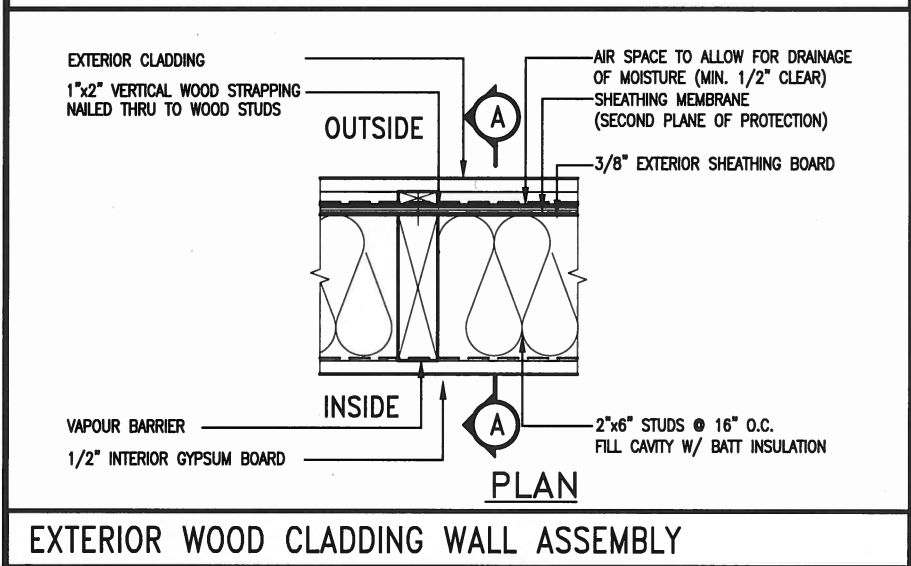
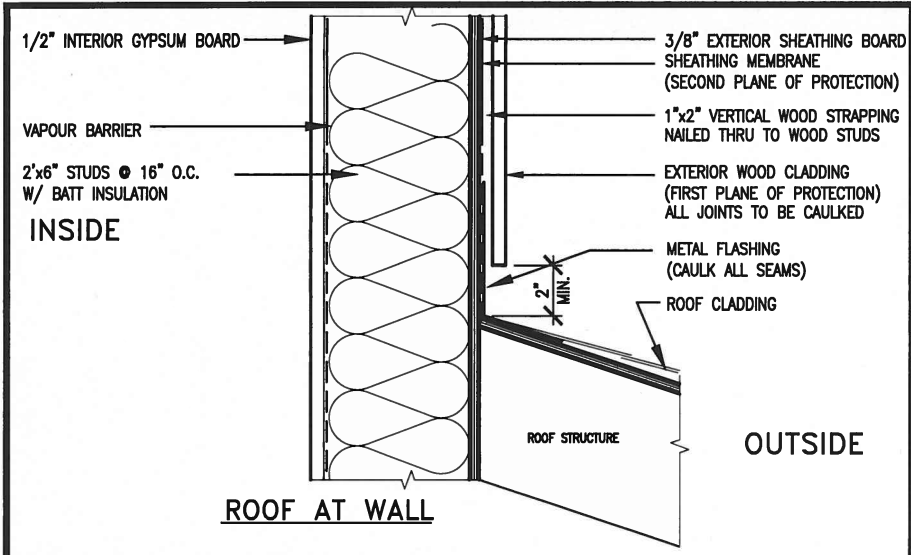
41. FOUNDATION WALL (W.O.D./W.O.B.) FOR LATERAL SUPPORT WHERE GRADE TO T/O BASEMENT SLAB EXCEEDS 1200mm (3'-11") PROVIDE 200mm (8") POURED CONC. FOUNDATION WALL FOR VERTICAL 38x140 (2'x6") WOOD STUDS @ 400 (16") o.c. MATCH FLOOR JOIST SPACING WHEN PARALLEL WITH FLOOR JOISTS. (RAMSET BOTTOM PLATE TO SLAB & 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.#2
B2	4/38 x 184	(4/2" x 8") SPR.#2
B7	5/38 x 184	(5/2" x 8") SPR.#2

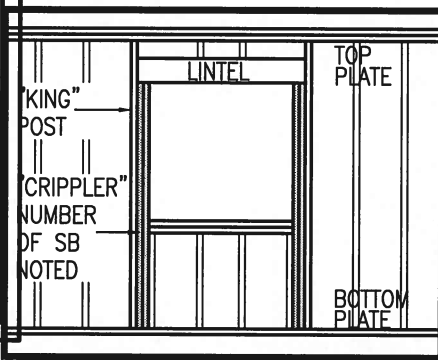
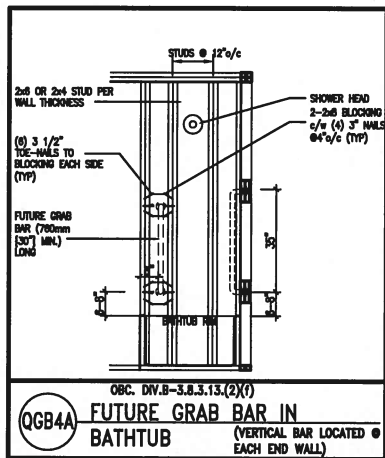
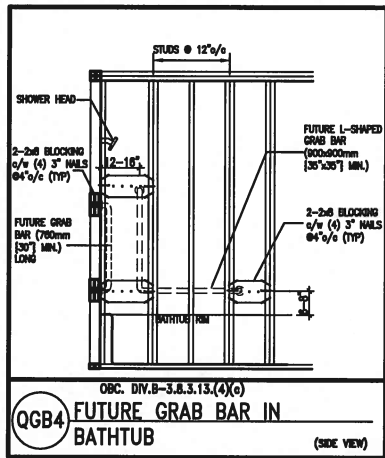
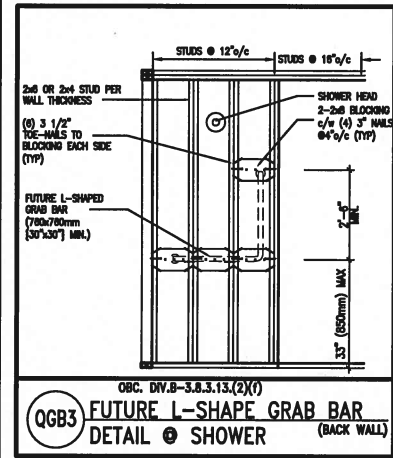
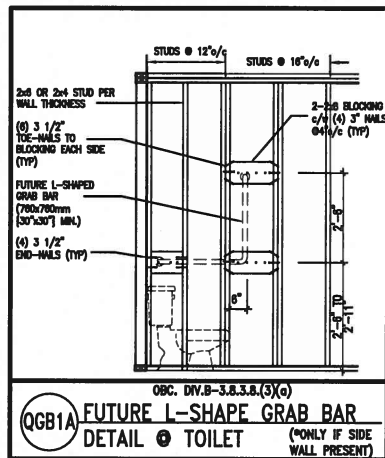
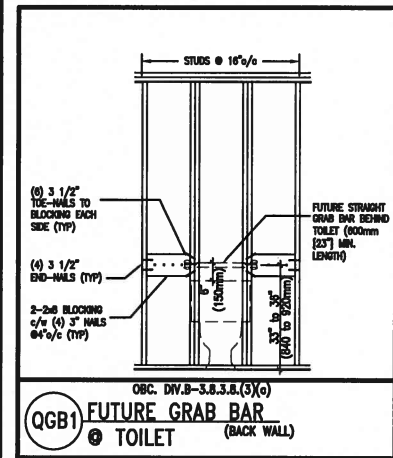
L3	2/38 x
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DEC 20, 2016

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"

2-2"x4" @ 12" O.C. - 10'-9"

3-2"x4" @ 16" O.C. - 11'-2"

3-2"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"

2-2"x6" @ 16" O.C. - 15'-0"

2-2"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"

2-2"x8" @ 16" O.C. - 20'-4"

2-2"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

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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 BCIN

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		project no. 13045
date APR 2014		CONSTRUCTION NOTES		
drawn by RC	checked by -	scale 3/16" = 1'-0"	file name 13045-CONST-OBC 2015	drawing no. CN2
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2	WINDOW SILL
CN3	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 <i>Jno-Baptiste</i> 25591
6	.	.	name
5	.	.	registration information
4	.	.	VA3 Design Inc. <i>signature</i> BCIN 42658
3	.	.	
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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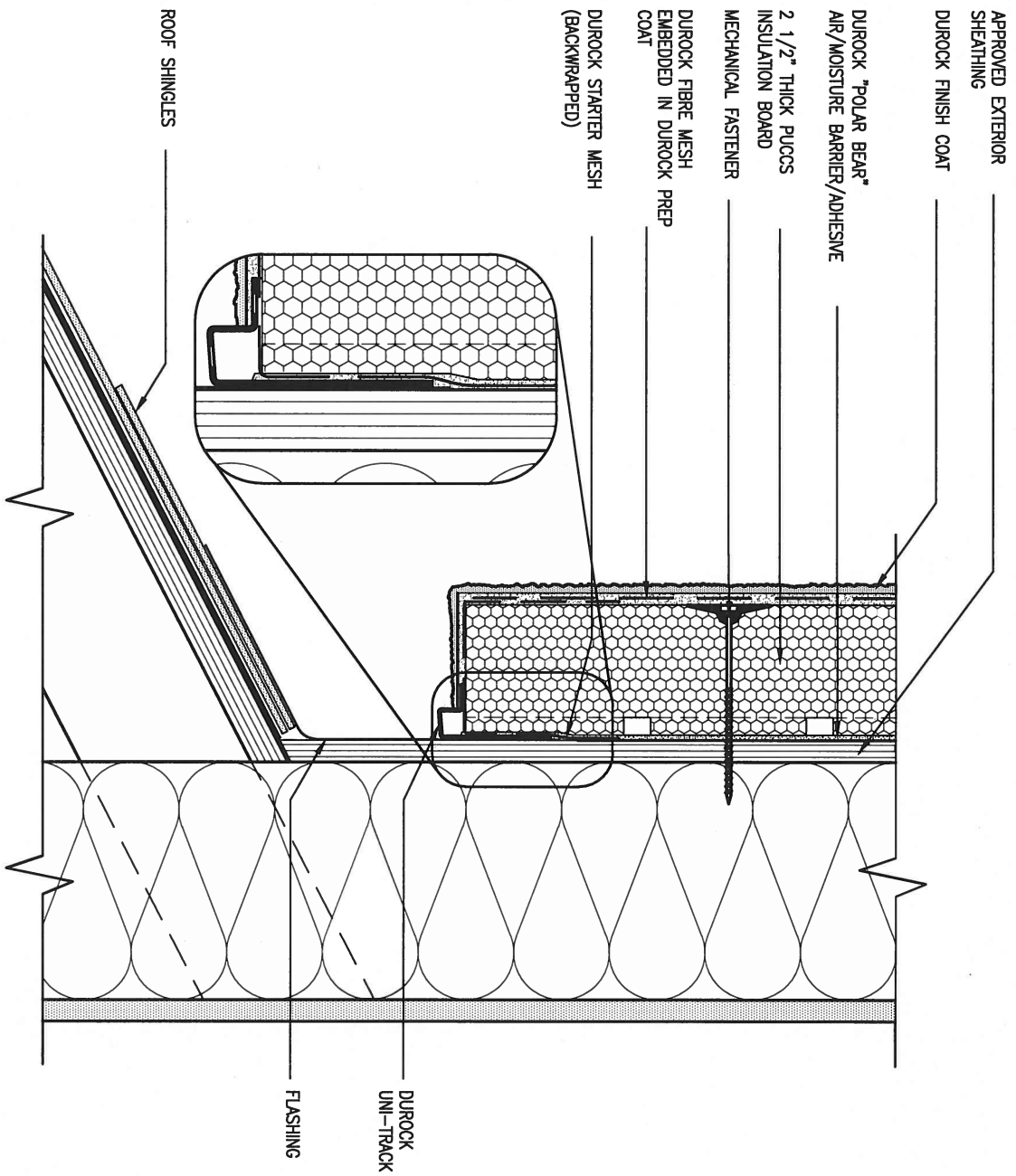
BAYVIEW WELLINGTON

project name: **GREEN VALLEY ESTATES** municipality: **BRADFORD**

date: **APR 2014** **CONSTRUCTION NOTES** drawing no.: **CN3**

drawn by: **RC** checked by: **3/16" = 1'-0"** file name: **13045-CONST-0BC 2015**

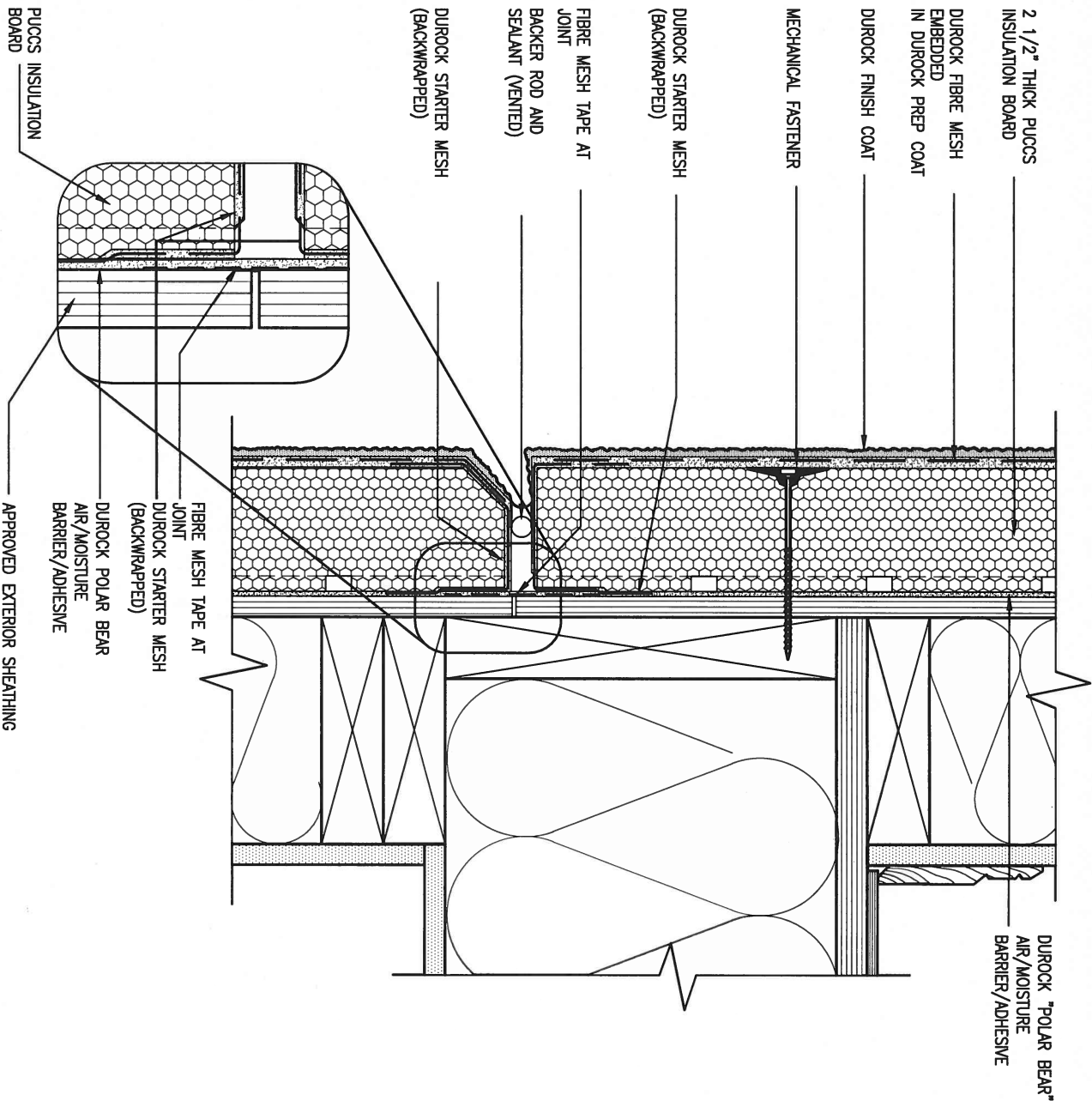
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3 STUCCO TERMINATION @ ROOF

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"

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1	ISSUE FOR CLIENT REVIEW	MAY 07-14	RC
no.	description	date	by

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qualification information			
Wellington Jno-Baptiste	25591	BCIN	
name			
registration information			
VA3 Design Inc.	42658		
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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"	file name	13045-CONST-0BC 2015
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CONSTRUCTION NOTES			drawing no.
			CN4

SB12-COMPLIANCE PACKAGE 'J'

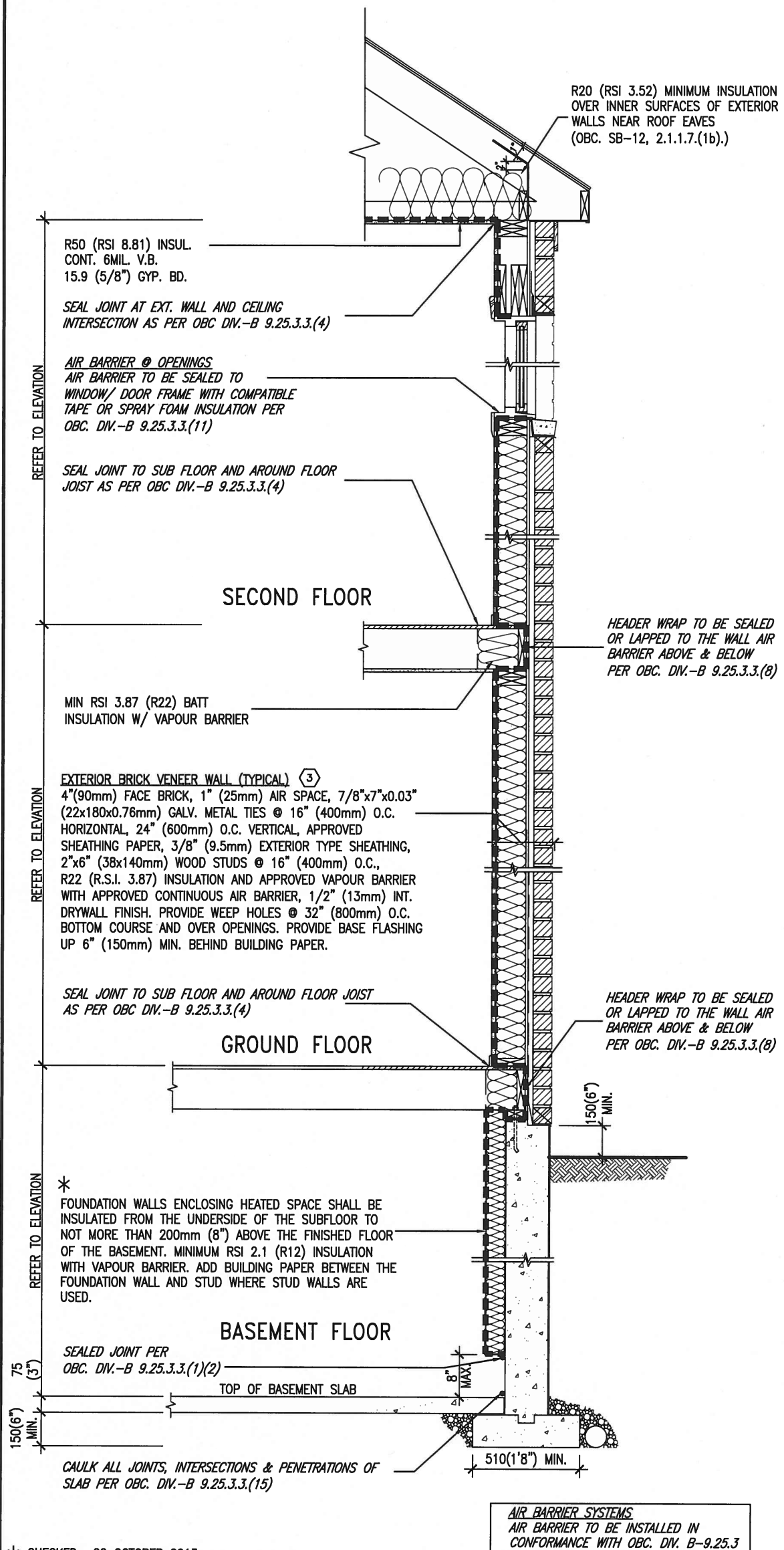
THE MINIMAL THERMAL PERFORMANCE OF BUILDING ENVELOPE AND EQUIPMENT SHALL CONFORM TO THE FOLLOWING SB-12 COMPLIANCE PACKAGE AS PER OBC SUPPLEMENTARY STANDARD SB-12, SECTION 2.1.1.1

USE SB-12 COMPLIANCE PACKAGE (J):

COMPONENT	J	Notes:
Ceiling with Attic Space Minimum RSI (R) value	8.81 (R50)	BLOWN -LOOSE
Ceiling without Attic Space Minimum RSI (R) value	5.46 (R31)	BATT or SPRAY
Exposed Floor Minimum RSI (R) value	5.46 (R31)	BATT or SPRAY
Walls Above Grade Minimum RSI (R) value	3.87 (R22)	6" R22 BATT
Basement Walls Minimum RSI (R) value	2.11 (R12)	4" R12 BLANKET
Edge of Below Grade Slab ≤600mm below grade Minimum RSI (R) value	1.76 (R10)	RIGID INSUL
Windows & Sliding glass Doors Maximum U-value	1.8	DOUBLE PANE LOW EMISSIVITY
Skylights Maximum U-value	2.8	DOUBLE PANE LOW EMISSIVITY
Space Heating Equipment Minimum AFUE	94%	NATURAL GAS
Hot Water Heater Minimum EF	0.67	NATURAL GAS
HRV Minimum Efficiency	60%	-



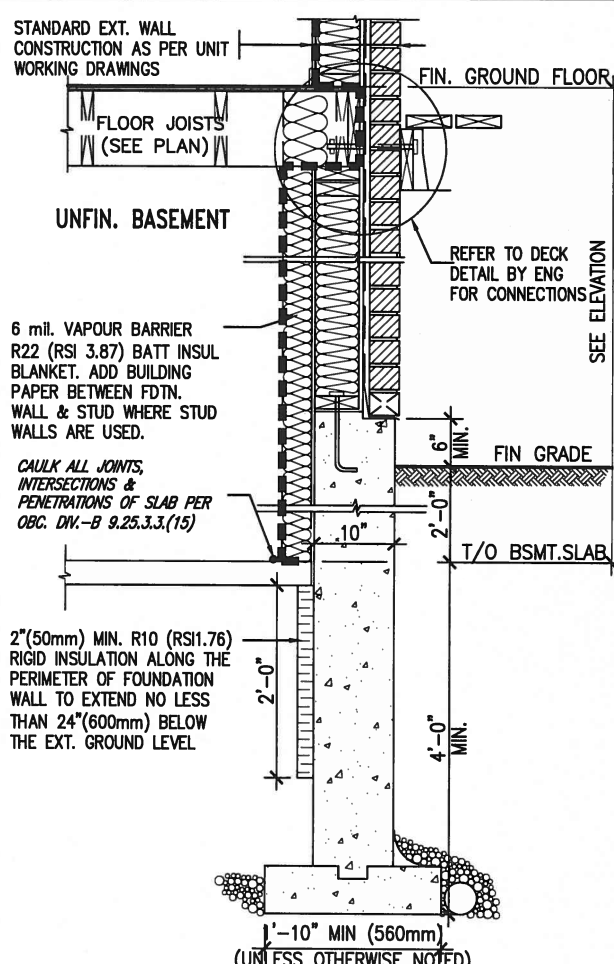
DEC 20, 2016



* CHECKED- 22 OCTOBER 2013

EW TYPICAL EXT. WALL AIR BARRIER CONTINUITY
SECTION W/ BRICK VENEER SCALE: N.T.S.

SEMI & SINGLES ONLY

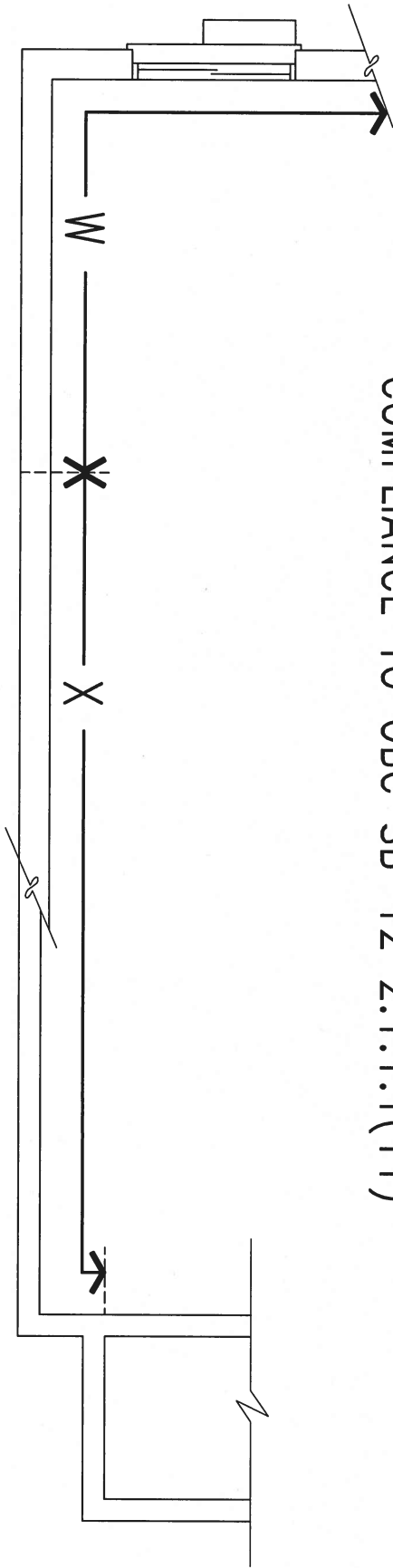


* REVISED- 15 MARCH 2013

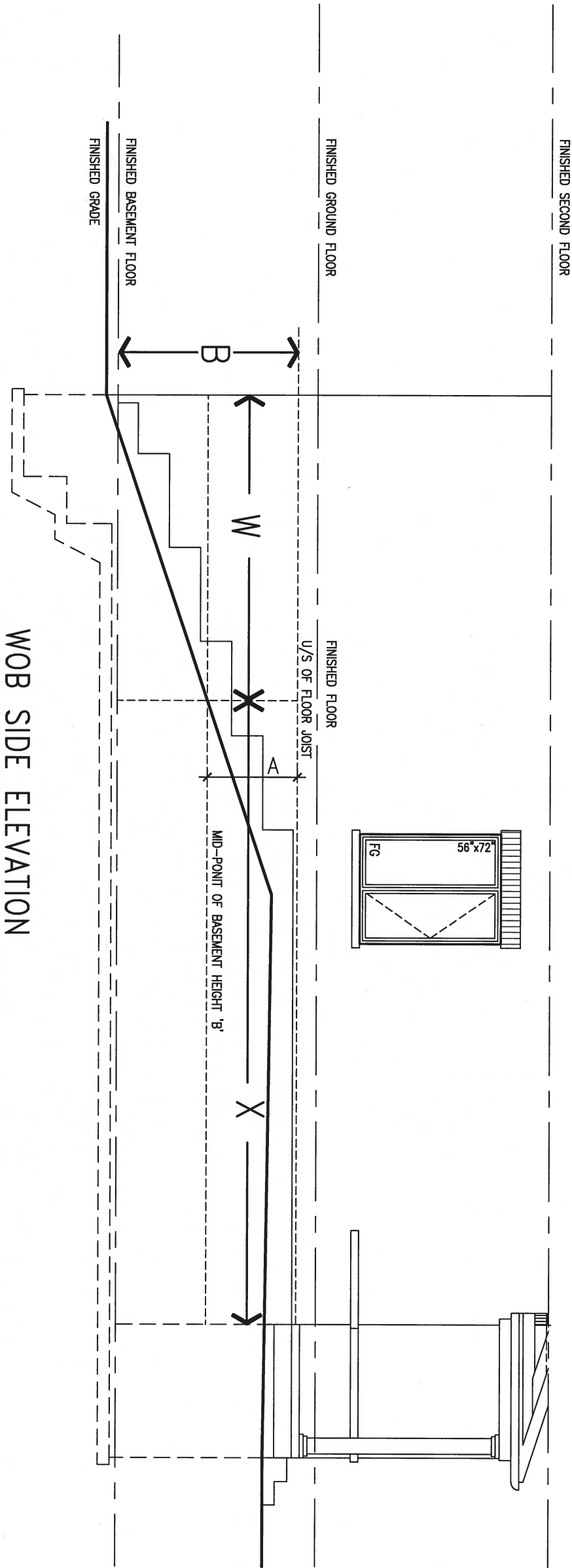
SECTION AT W.O.D/W.O.B.

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.		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	
8 .		qualification information				project name		municipality	
7 .		Wellington Jno-Baptiste				GREEN VALLEY ESTATES		BRADFORD	
6 .		signature				date		project no.	
5 .		name		APR 2014		13045		drawing no.	
4 .		registration information		RC		CONSTRUCTION NOTES		CN6	
3 .		VA3 Design Inc.		42658		file name		13045-CONST-OBC 2015	
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.		checked by		scale	
1 ISSUE FOR CLIENT REVIEW		MAY 07-14 RC				RC		3/16" = 1'-0"	
no. description		date by				RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\13045-CONST-OBC 2015.dwg - Tue - Dec 20 2016 - 9:19 AM			

COMPLIANCE TO OBC SB-12 2.1.1.1(11)



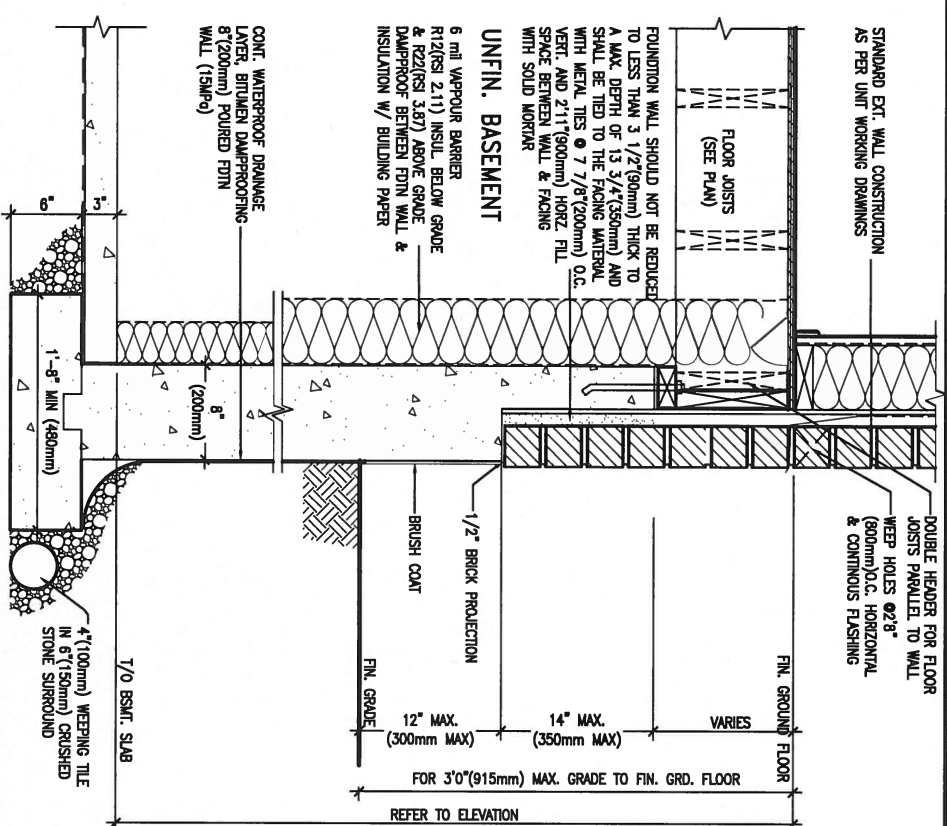
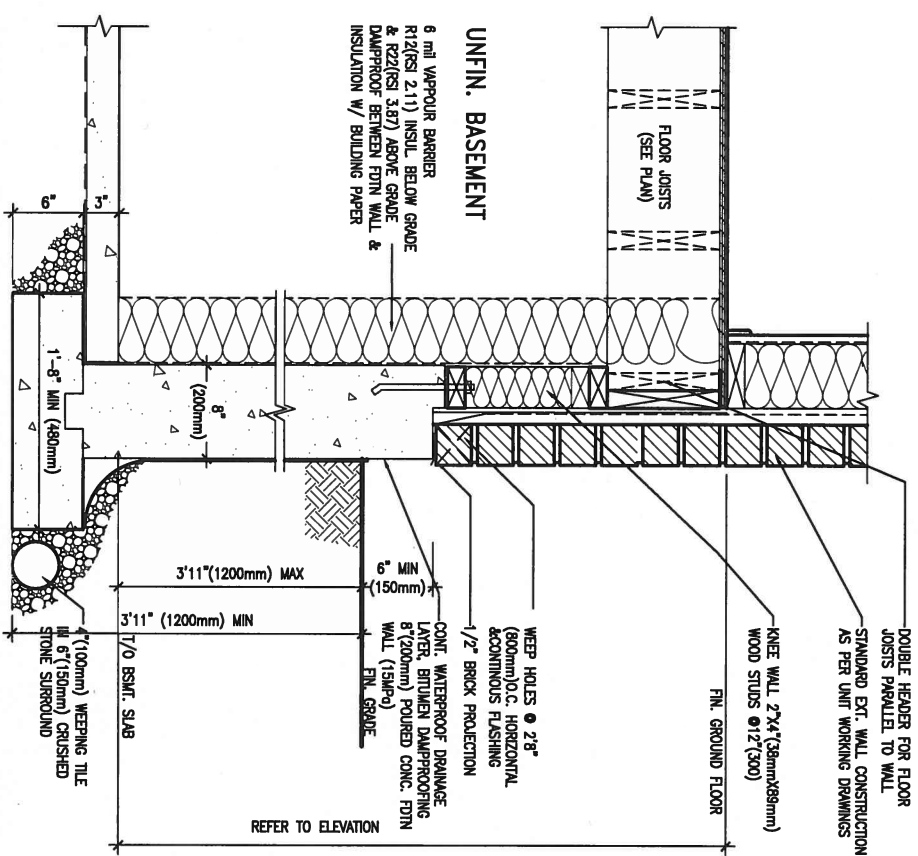
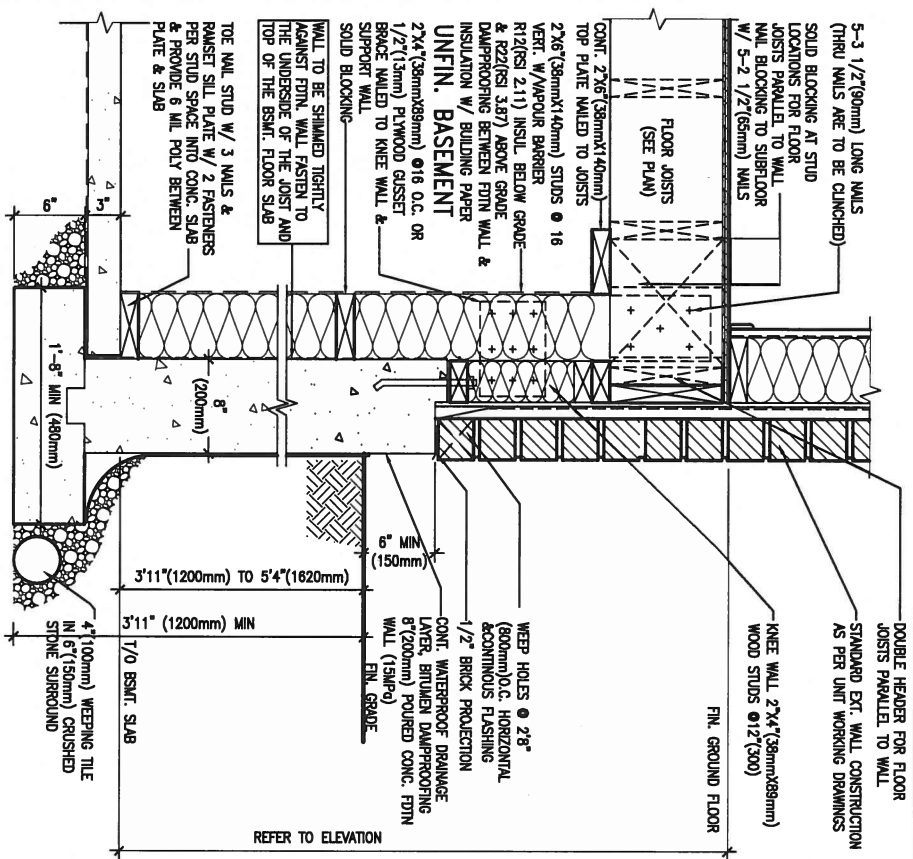
WOB PLAN



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.	.	.	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.	 255 Consumers Rd Suite 120 Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3design.com	BAYVIEW WELLINGTON		CONST NOTE -		
8.	.	.	qualification information		project name GREEN VALLEY ESTATES	municipality BRADFORD	project no. 13045		
7.	.	.	Wellington Jno-Baptiste <i>Jno-Baptiste</i> 25591		date APR 2014	CONSTRUCTION NOTES			drawing no. CN7
6.	.	.	name BCIN		drawn by RC	checked by -	scale 3/16" = 1'-0"	file name 13045-CONST-OBC 2015	RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\13045-CONST-OBC 2015.dwg - Tue - Dec 20 2016 - 9:17 AM
5.	.	.	registration information VA3 Design Inc. 42658						
4.	.	.	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.						
3.	.	.							
2	UPDATE TO CODE	APR 16-15	RC						
1	ISSUE FOR CLIENT REVIEW	MAY 07-14	RC						
no.	description	date	by						



DEC 20, 2016



WALK-OUT WALL SECTION FOR GRADE
HEIGHTS BETWEEN 3'11"(1200mm) AND
5'4"(1620mm) BASEMENT SLAB TO GRADE
N.T.S.

WALK-OUT DECK WALL SECTION FOR GRADE TO BASEMENT SLAB 3'11" (1200mm)	EW3.07B
MAX. HEIGHT DIFFERENCE	
N.T.S.	

WALK-OUT DECK WALL SECTION FOR
GRADE TO FIN. FLOOR 3'0" (900mm)
MAX. HEIGHT DIFFERENCE
N.T.S.

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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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qualification information	
Wellington Jno-Baptiste	25591
name	BCIN
signature	
registration information	
VA3 Contractor 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.	



BAYVIEW WELLINGTON

project name
GREEN VALLEY ESTATES

date
APR 2014

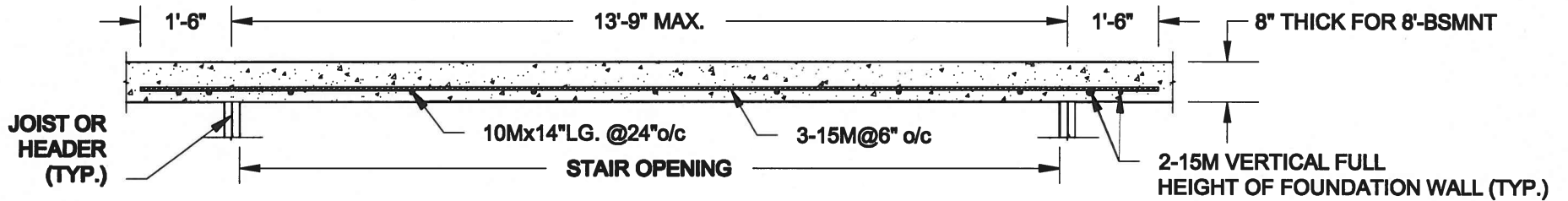
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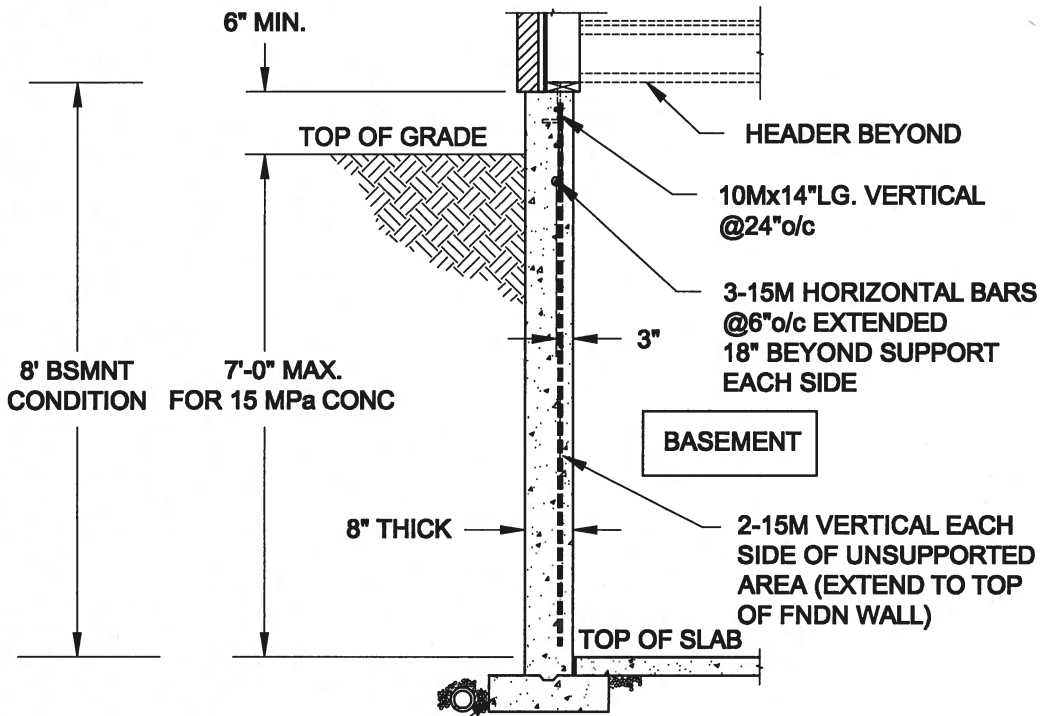
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CONST NOTE	
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project no. 13045	
CTION NOTES	drawing no.
file name CONST-0BC 2015	CN9
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PLAN VIEW



FTG. SIZE AS PER PLAN

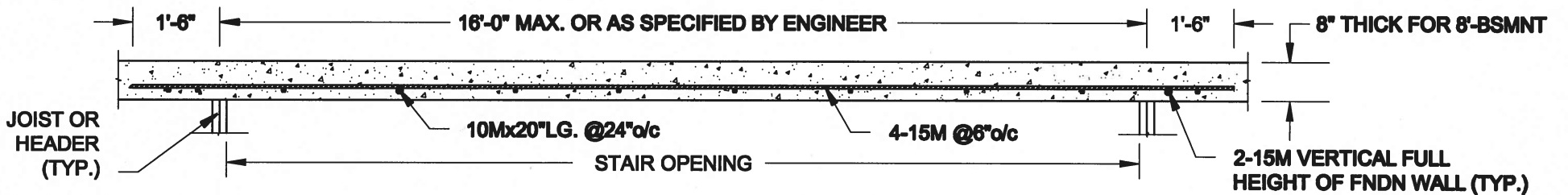
1A
S1

LATERALLY UNSUPPORTED WALL

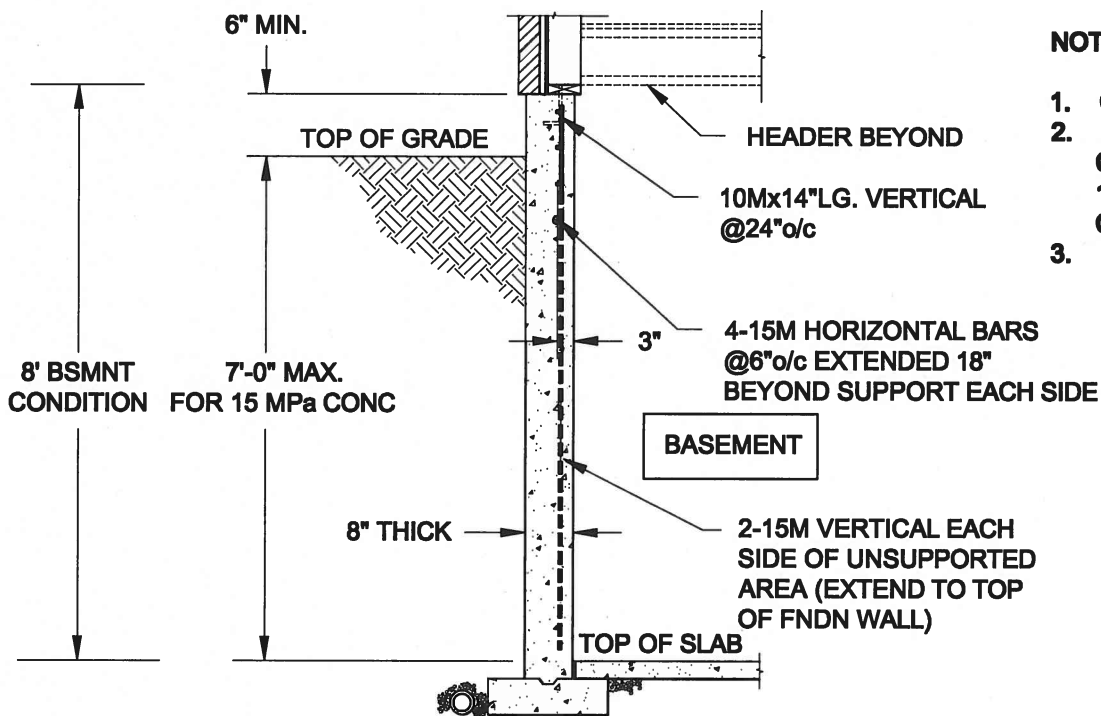
SCALE: 3/8" = 1'-0"

NOTES:

1. CONFORM TO ONTARIO BUILDING CODE, 2012.
2. FOR 8'-BSMNT WHERE BACKFILL HEIGHT = 7'-0" MAX., CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS TO BE 15 MPa. MIN., OTHERWISE PROVIDE 20 MPa. 28-DAY COMPRESSIVE STRENGTH CONCRETE.
3. REINFORCING STEEL TO BE GRADE 400.



PLAN VIEW



FTG. SIZE AS PER PLAN

1B
S1

LATERALLY UNSUPPORTED WALL

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

NOTES:

1. CONFORM TO ONTARIO BUILDING CODE, 2012.
2. FOR 8'-BSMNT WHERE BACKFILL HEIGHT = 7'-0" MAX., CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS TO BE 15 MPa. MIN., OTHERWISE PROVIDE 20 MPa. 28-DAY COMPRESSIVE STRENGTH CONCRETE.
3. REINFORCING STEEL TO BE GRADE 400.

Scale:
AS NOTED

Date:
MAY-31-2018

Drawn: SC
Checked: SJB

QUAILE ENGINEERING LTD.



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Engineer's Seal:



MAY 30, 2016

Project:

BAYVIEW WELLINGTON HOMES - GREEN VALLEY ESTATES PROJECT
BRADFORD, ONTARIO

TYPICAL STRUCTURAL DETAILS FOR SINGLES

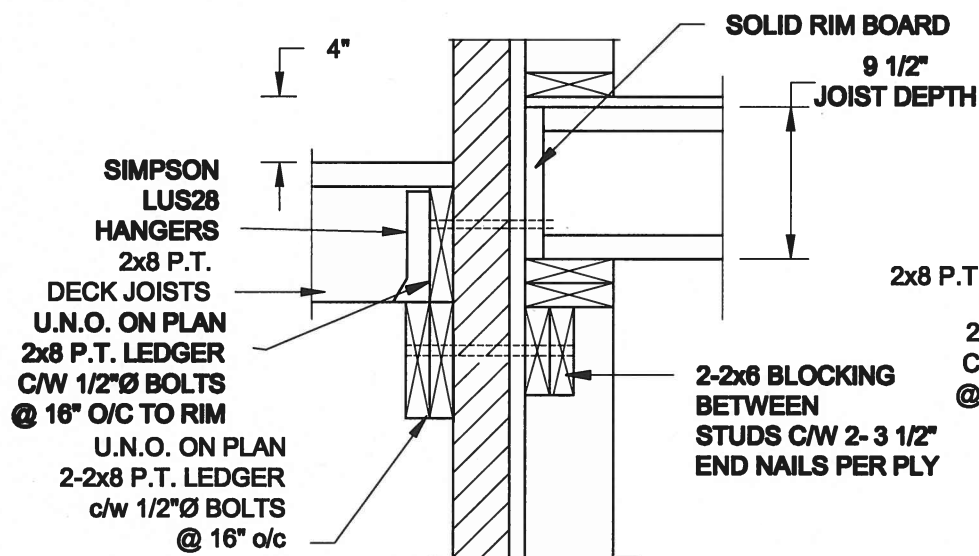
Project No.:

16-102

Drawing No.:

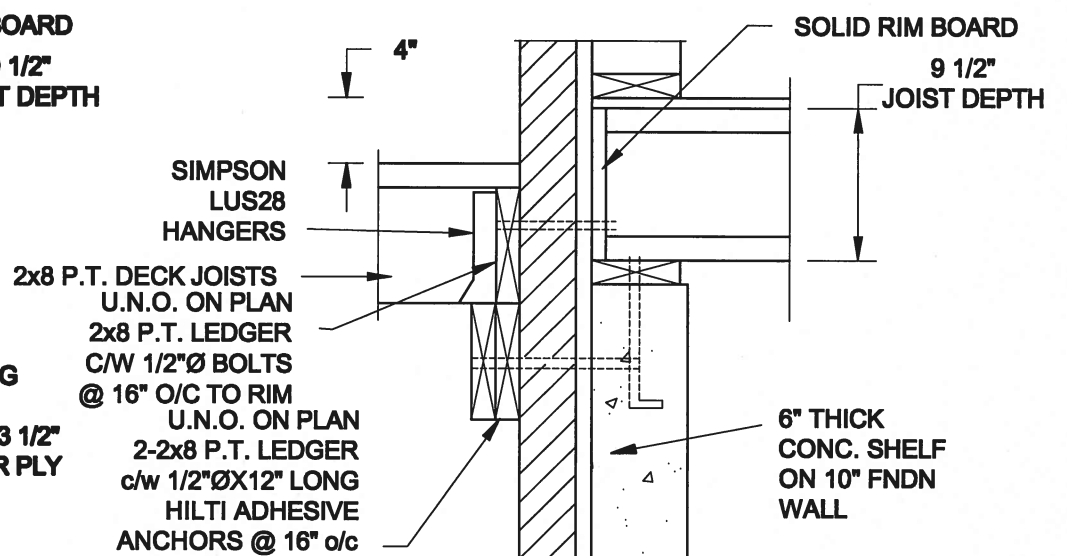
S1

FOR 9 1/2" JOIST DEPTH



1A DECK FASTENING DETAIL

S2 SCALE: 1" = 1'-0"

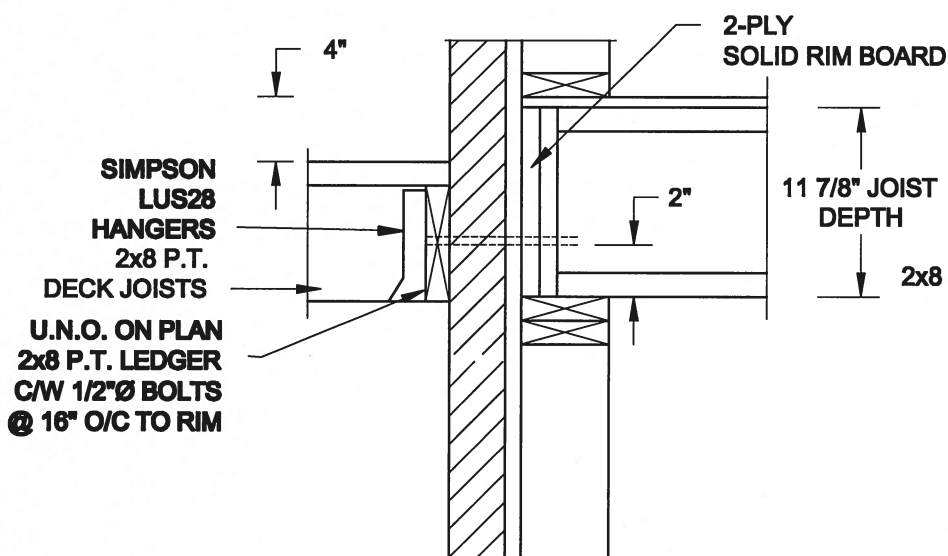


1B DECK FASTENING DETAIL

S2 SCALE: 1" = 1'-0"

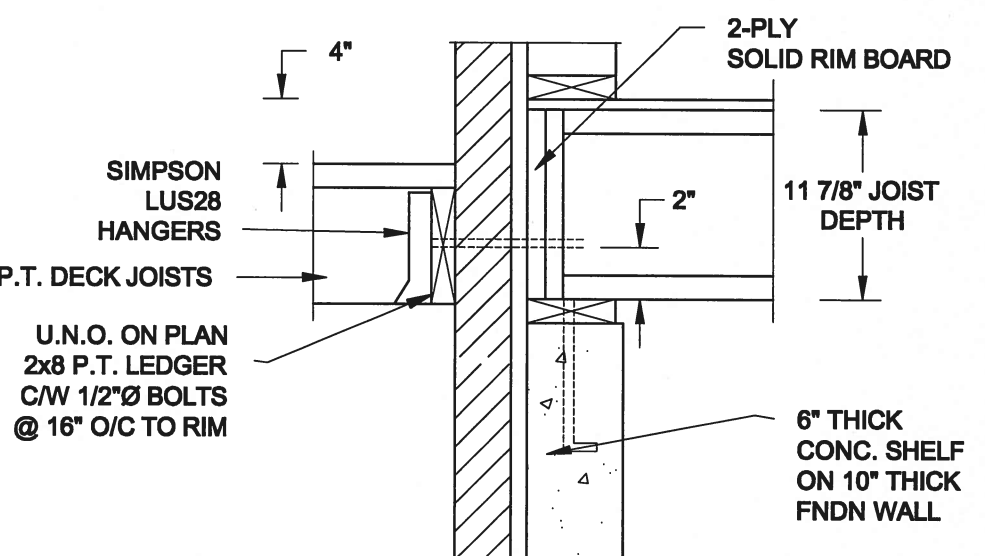
- NOTE: 1. WHERE BACKFILL HEIGHT < 4'-7", PROVIDE 2x6 @ 16" o/c KNEEWALL ON 10" THICK CONC FNDN WALL**
2. WHERE BACKFILL HEIGHT > 4'-7", PROVIDE 6" CONC SHELF FOR BRICK VENEER ON 10" THICK CONC FNDN WALL
3. FOOTING TO BE 22"x6" THICK UNLESS NOTED OTHERWISE ON PLAN.

FOR 11 7/8" JOIST DEPTH



2A DECK FASTENING DETAIL

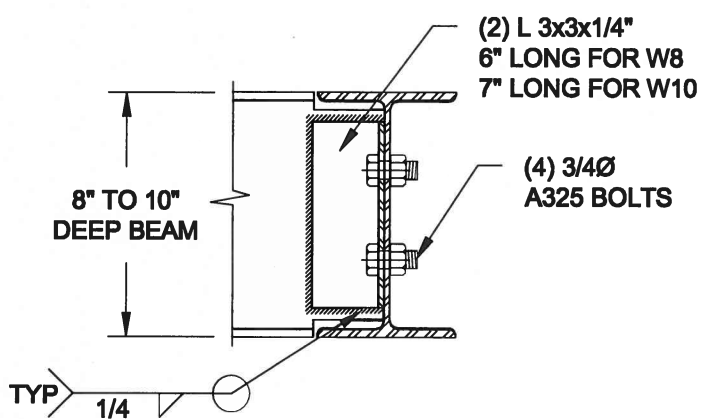
S2 SCALE: 1" = 1'-0"



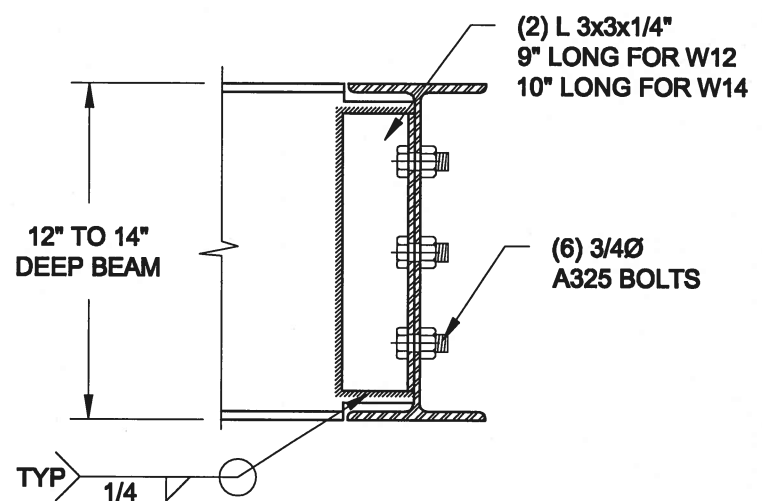
2B DECK FASTENING DETAIL

S2 SCALE: 1" = 1'-0"

- NOTE: 1. WHERE BACKFILL HEIGHT < 4'-7", PROVIDE 2x6 @ 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: SLB
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Engineer's Seat



MAY 30, 2016

Project:

**BAYVIEW WELLINGTON HOMES - GREEN VALLEY ESTATES PROJECT
BRADFORD, ONTARIO**

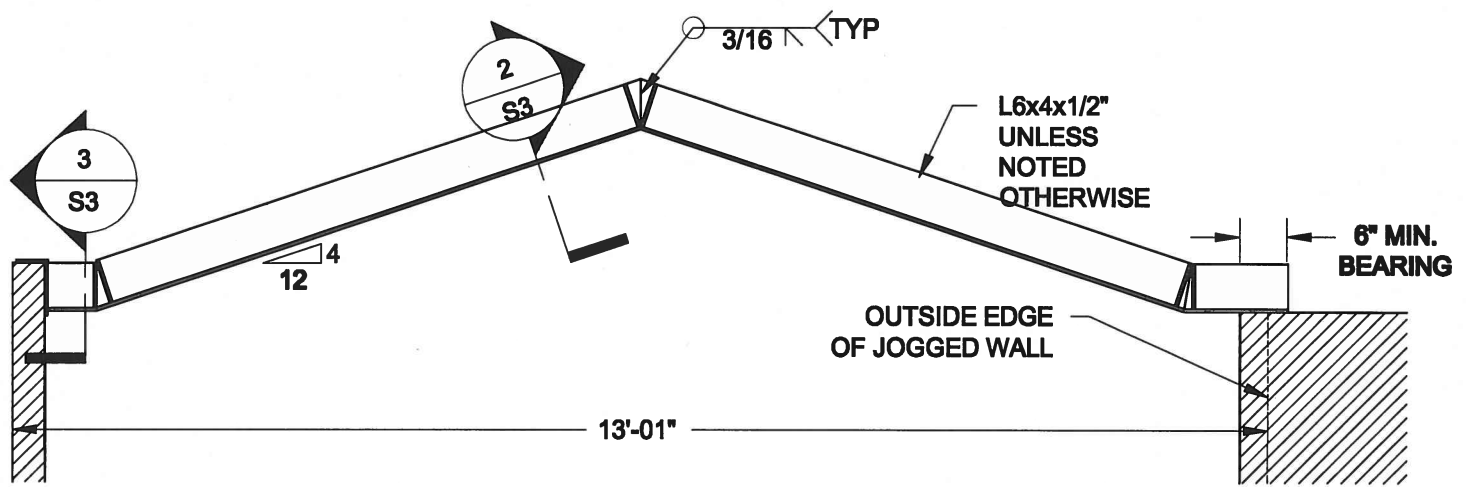
TYPICAL STRUCTURAL DETAILS FOR SINGLES

Project No.:

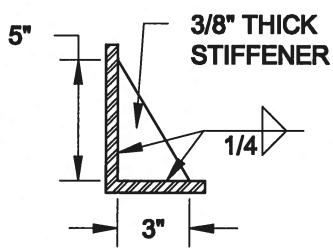
16-102

Drawing No.:

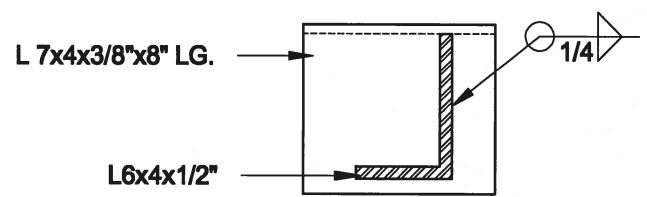
S2



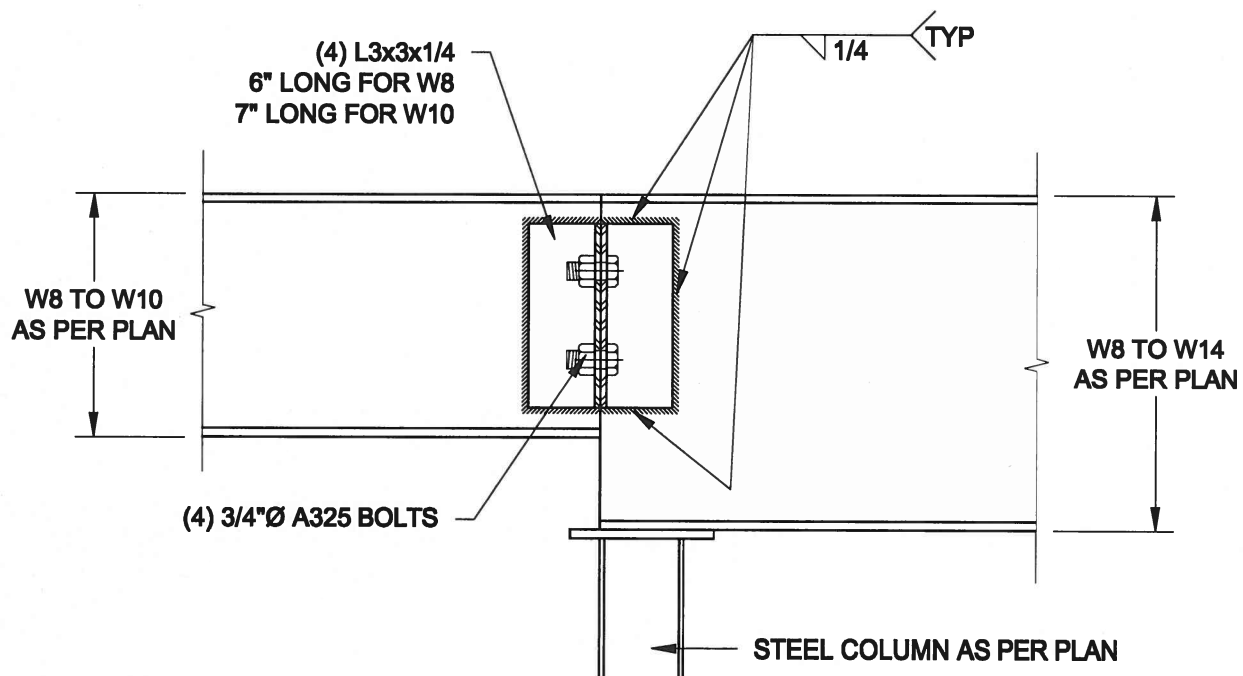
1
S3 **STEEL LINTEL AT GABLE**
SCALE: 1/2" = 1'-0"



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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Engineer's Seal



MAY 30, 2016

Project:

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BRADFORD, ONTARIO

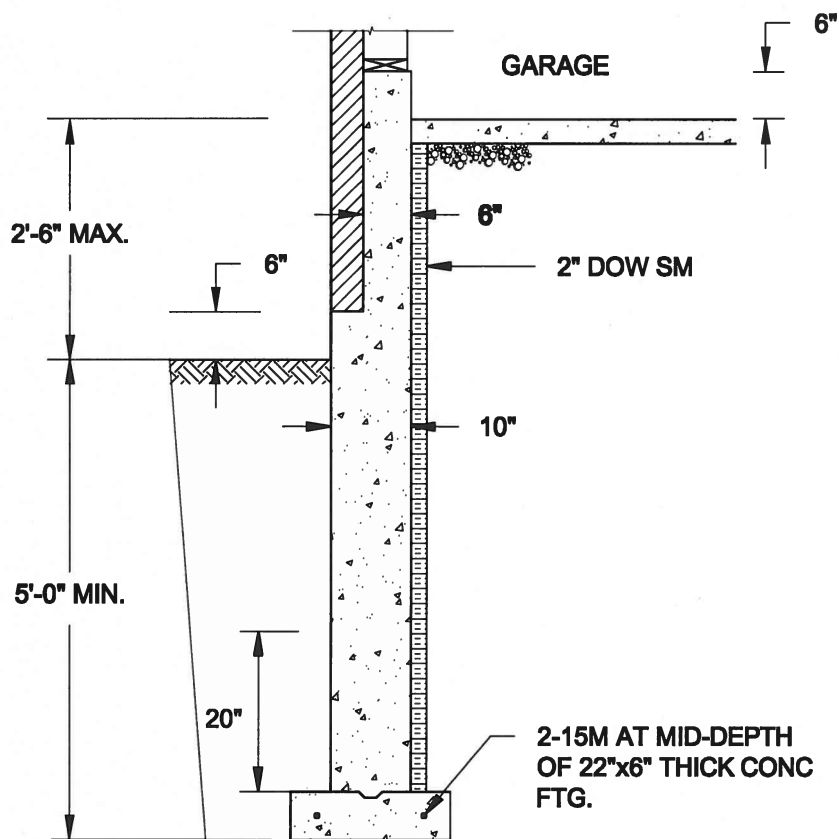
TYPICAL STRUCTURAL DETAILS FOR SINGLES

Project No.:

16-102

Drawing No.:

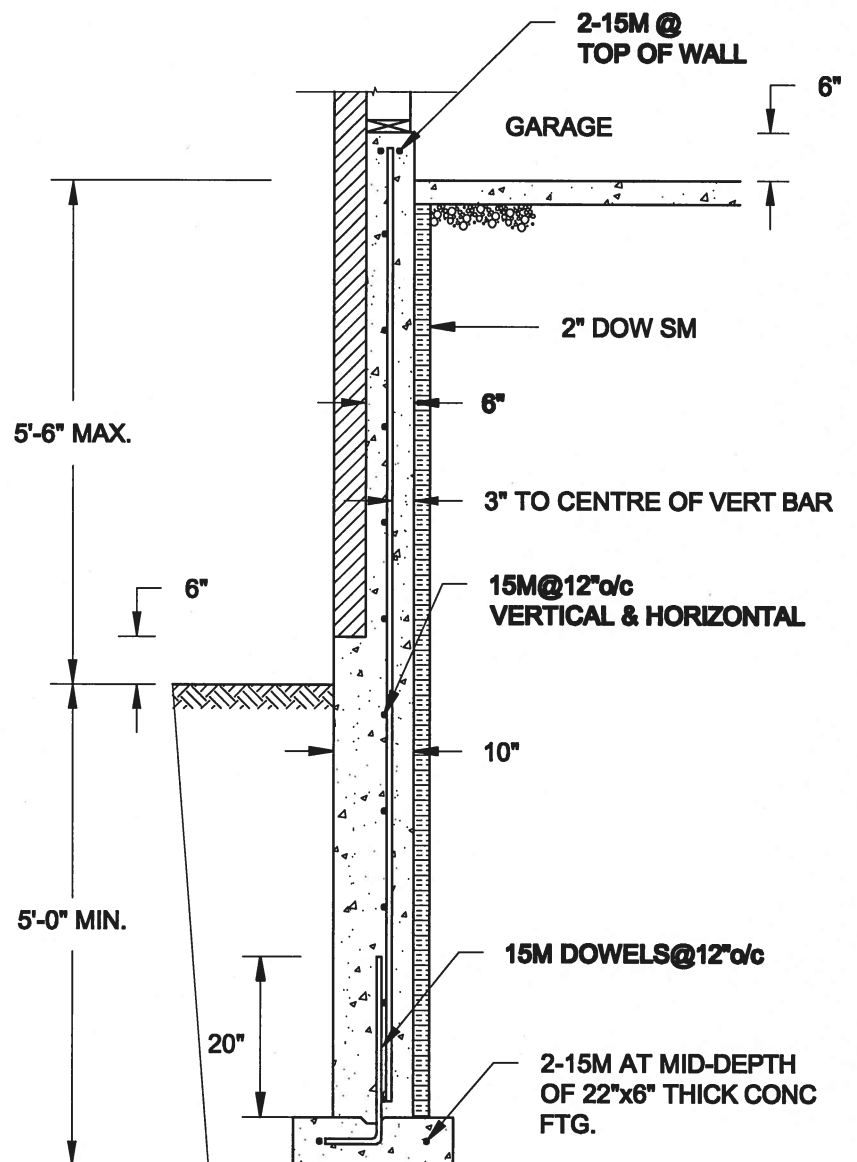
S3



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

NOTE:

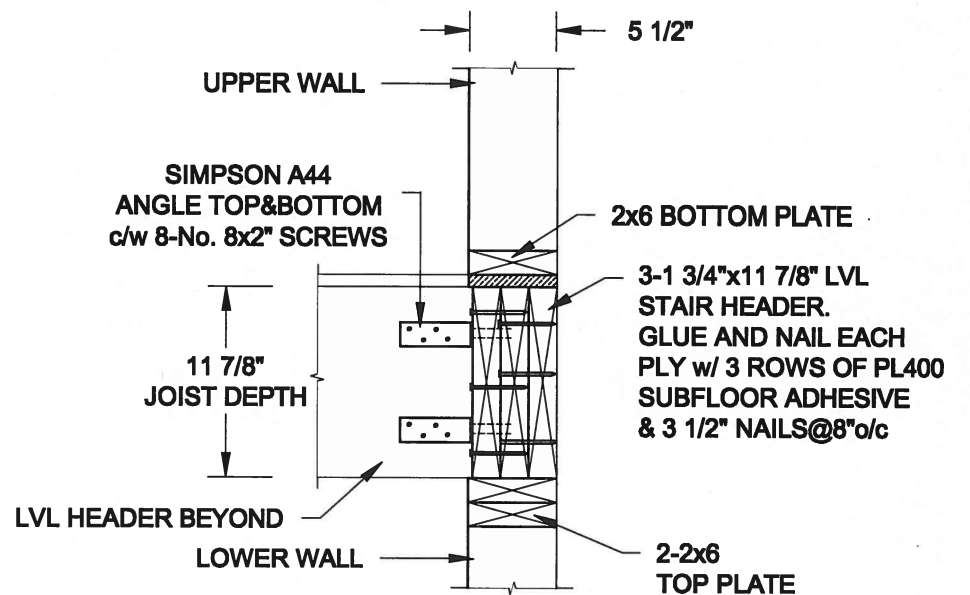
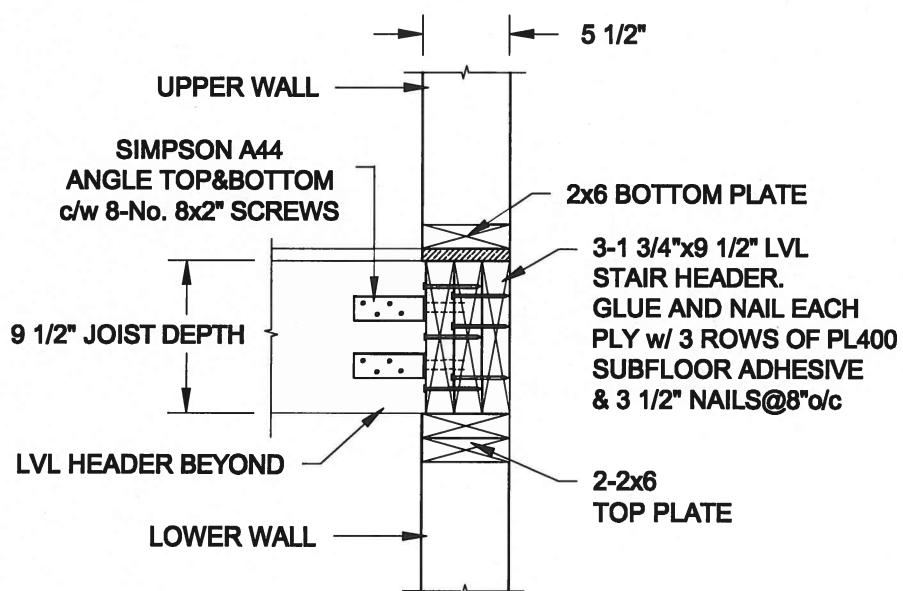
1. CONFORM TO ONTARIO BUILDING CODE, 2012.
2. CONCRETE TO HAVE 28-DAY COMPRESSIVE STRENGTH OF 20 MPa.
3. REINFORCING BARS TO BE GRADE 400 DEFORMED STEEL.
4. PROVIDE 3" COVER TO SOIL MINIMUM.



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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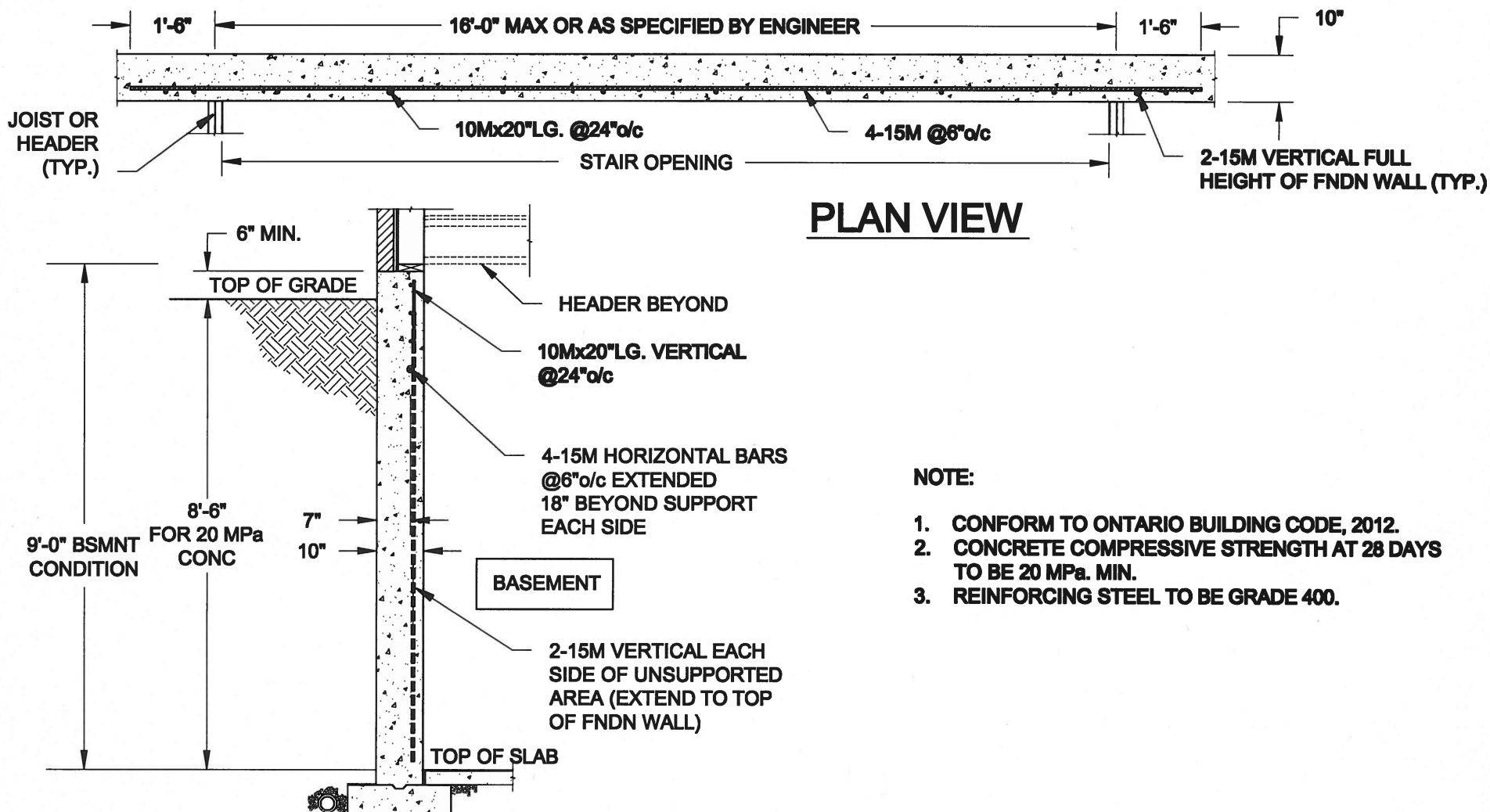
TYPICAL STRUCTURAL DETAILS FOR SINGLES

Project No.:

16-102

Drawing No.:

S4





- 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		<div>QUAILE ENGINEERING LTD.</div> <div></div> <div>38 Parkside Drive, UNIT 7 Newmarket, ON L3Y 8J9 T: 905-853-8547 E: quaile.eng@rogers.com</div>	Engineer's Seal: <div></div> <div>MAY 30, 2016</div>		Project: BAYVIEW WELLINGTON HOMES - GREEN VALLEY ESTATES PROJECT BRADFORD, ONTARIO	
Date: MAY-31-2016			TYPICAL STRUCTURAL DETAILS FOR SINGLES			
Drawn: SC	Checked: SJB		Project No.: 16-102		Drawing No.: S5	