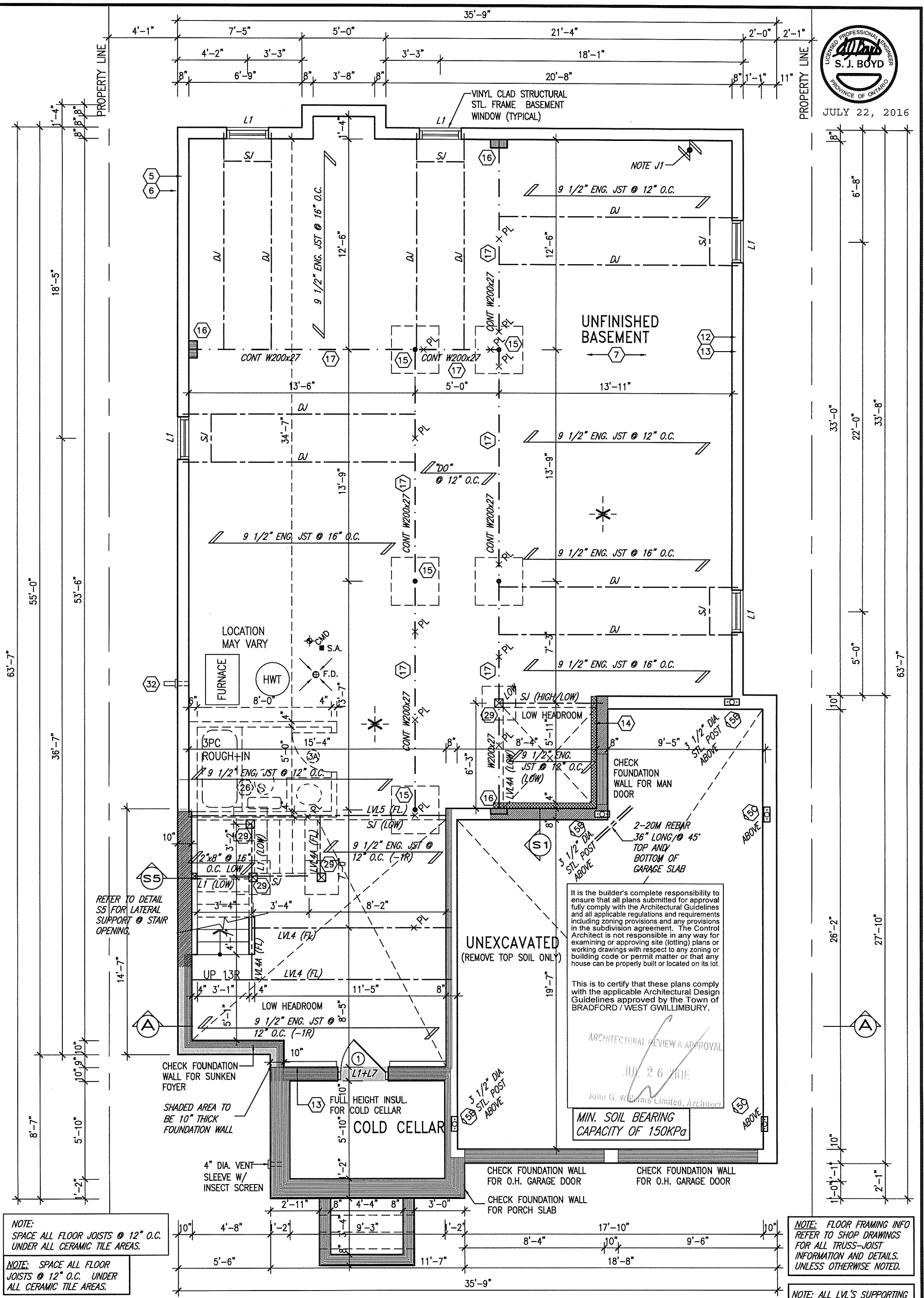




JULY 22, 2016



LOT 372 RIDEAU 6 BASEMENT PLAN 'C'

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>Wellington Jno-Baptiste</div> <div>signature</div> <div>25591</div> <div>BCIN</div> <div>42658</div> <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>
8.	-	-	
7.	-	-	
6.	-	-	
5	REV. AS PER ENG COMMENTS	JUL 04-16 RC	
4	REV. AS PER LOT 372	JUNE 21/16 JM	
3	REVISED AS PER ENG'S COMMENTS	APR 30-15 RC	
2	ADDED UPGRADED REAR ELEVATIONS.	SEP. 30/14 GW	
1	ISSUED FOR CLIENT REVIEW.	SEPT.15/14 OB	
no.	description	date by	

VA3

DESIGN

300A Wilson Avenue

Toronto ON M3H 1S8

t 416.630.2255 f 416.630.4782

va3design.com

BAYVIEW WELLINGTON

project name

GREEN VALLEY ESTATES

date

SEPTEMBER 2014

drawn by

GARRY BURTON

checked by

-

scale

3/16" = 1'-0"

S42-6

RIDEAU 6

municipality

BRADFORD

project no.

13045

BASEMENT PLAN 'C'

file name

13045-S42-6C-LOT 372

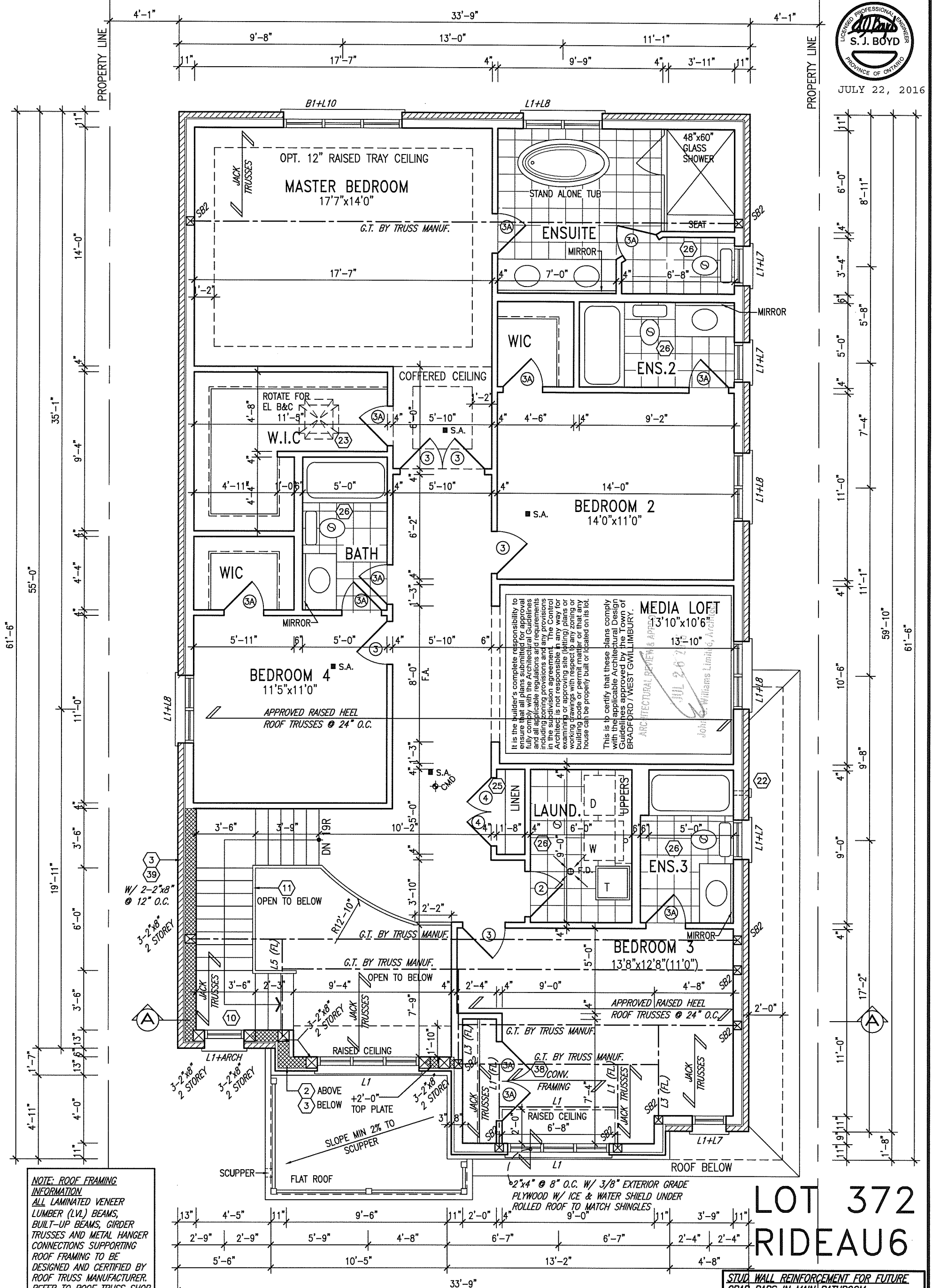
drawing no.

1

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JULY 22, 2016



SECOND FLOOR PLAN 'C' 4 BEDROOM + MEDIA LOFT

LOT 372 RIDEAU6

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.				name
5.	REV. AS PER ENG COMMENTS	JUL 04-16	RC	registration information
4.	REV. AS PER LOT 372	JUNE 21/16	JM	VA3 Design Inc. 42658
3.	REVISED AS PER ENG'S COMMENTS	APR 30-15	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.
2.	ADDED UPGRADED REAR ELEVATIONS.	SEP. 30/14	GW	
1.	ISSUED FOR CLIENT REVIEW.	SEPT. 15/14	DB	
no.	description	date	by	

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416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON		S42-6 RIDEAU 6	
project name GREEN VALLEY ESTATES	municipality BRADFORD	project no. 13045	
date SEPTEMBER 2014	checked by DARRYL BURTON	scale 3/16" = 1'-0"	file name 13045-S42-6C-LOT 372
drawing no. 3		drawing no. 3	

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

ARCHITECTURAL REVIEW APPROVAL
JUL 20 2016
S. J. BOYD
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

MID-POINT OF ROOF

VALLEY FLASHING

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

JULY 22, 2016



ASPHALT SHINGLES
(TYPICAL)

2"x4" @ 8" O.C. ON
RADIUS W/ 3/8" EXT.
GRADE PLYWOOD
SHEATHING & ICE &
WATER SHIELD UNDER
ROLLED ROOF TO MATCH
SHINGLES (TYP.)

EYEBROW ROOF

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

1"x6" ALUM. CLAD
FRIEZE BD.

8" PRECAST CONC. HEADER ON 8"
PRECAST CONC. SURROUND ON
DOUBLE PRECAST CONC. SILL (TYP.)

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

LOCATION OF STL. BEAM
(DROPPED)

8" CONT. PRECAST
CONC. BAND (TYP.)

8" PRECAST CONC.
HEADER (TYP.)

STONE VENER (TYP.)

ROOF 'C'

RAISED TOP PLATE

TOP OF PLATE

TOP OF WINDOW

7'-6"

9'-1"

FIN SECOND FLOOR

10'-11"

FIN GROUND FLOOR

FIN. GRADE

TOP OF SLAB

5'-0" MIN.

8'0"x7'0" O/H GARAGE DOOR

8'0"x7'0" O/H GARAGE DOOR

R.W.L.

POURED CONC. PORCH
SLAB AND DOOR SILL
POURED CONC. FOUNDATION
WALLS AND FOOTINGS
(TYP.)

STEPPED FOOTING
AS REQUIRED (TYP.) (30)

FRONT ELEVATION 'C'

LOT 372 RIDEAU 6

9.	.	.	.
8.	.	.	.
7.	.	.	.
6.	.	.	.
5.	REV. AS PER ENG COMMENTS	JUL 04-16	RC
4.	REV. AS PER LOT 372	JUNE 21/16	JM
3.	REVISED AS PER ENG'S COMMENTS	APR 30-15	RC
2.	ADDED UPGRADED REAR ELEVATIONS.	SEP. 30/14	CW
1.	ISSUED FOR CLIENT REVIEW.	SEPT.15/14	OB
no.	description	date	by

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qualification information

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

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va3design.com

BAYVIEW WELLINGTON

project name
GREEN VALLEY ESTATES

municipality
BRADFORD

S42-6
RIDEAU 6

project no.
13045

date
SEPTEMBER 2014

drawn by
DARRYL BURTON

checked by
3/16" = 1'-0"

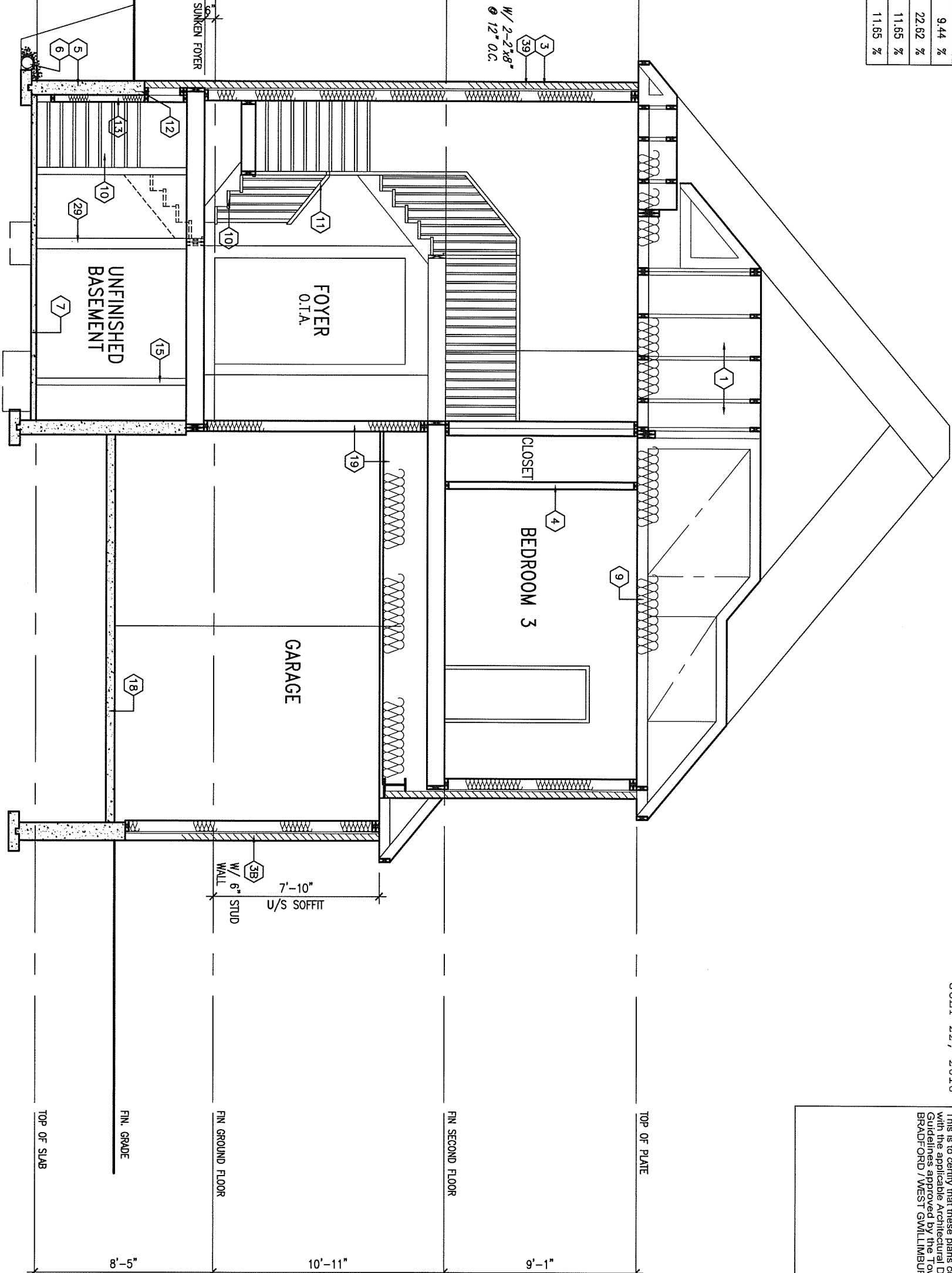
FRONT ELEVATION 'C'

scale
13045-S42-6C-LOT 372

drawing no.
4

UNINSULATED OPENINGS (PER OBC, SB-12.2.1.1(7))			
42-6 ELEVATION C	ENERGY EFFICIENCY - OBC SB12		
ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE
FRONT	851.00 S.F.	117.68 S.F.	13.83 %
LEFT SIDE	1373.00 S.F.	90.28 S.F.	6.58 %
RIGHT SIDE	1358.00 S.F.	128.22 S.F.	9.44 %
REAR	739.00 S.F.	167.17 S.F.	22.62 %
TOTAL SQ. FT.	4321.00 S.F.	503.35 S.F.	11.65 %
TOTAL SQ. M.	401.43 S.M.	46.76 S.M.	11.65 %

AREA CALCULATIONS		ELEV. C
GROUND FLOOR AREA	1589 SF	
SECOND FLOOR AREA	1981 SF	
SUBTOTAL	3570 SF	
DEDUCT ALL OPEN AREAS	101 SF	
FINISHED BSMT AREA	00 SF	
TOTAL NET AREA	3469 SF	
COVERAGE	(322.28 m ²)	
W/OUT PORCH	2051 SF	
COVERAGE	(190.54 m ²)	
COVERAGE W/ PORCH	2126 SF	
	(197.51 m ²)	



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7	.	.	.	Wellington Jno-Baptiste 25591 BCIN
6	.	.	.	signature
5	REV. AS PER ENG COMMENTS	JUL 04-16	RC	name registration information VA3 Design Inc. 42658
4	REV. AS PER LOT 372	JUNE 21/16	JM	
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no.	description	date	by	

VA3 DESIGN
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Toronto ON M3H 1S8
t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON		S42-6 RIDEAU 6	
project name GREEN VALLEY ESTATES	municipality BRADFORD	project no. 13045	drawing no. 8
date SEPTEMBER 2014	checked by DARRYL BURTON	scale 3/16" = 1'-0"	SECTION A-A file name 13045-S42-6C-LOT 372
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1'-0"



JULY 22, 2016

1'-0" 1'-0"

1'-0"

ASPHALT SHINGLES
(TYPICAL)

VALLEY FLASHING

10:12

6:12

10:12

10:12

10:12

RAISED TOP PLATE

TOP OF PLATE

TOP OF WINDOW

FN SECOND FLOOR

20" DECORATIVE MTL. RAILING

FN GROUND FLOOR

TOP OF TRANSOM

TOP OF WINDOW

DBL. PRECAST CONC. BAND

FN. GRADE

FIN. GRADE

POURED CONC. FOUNDATION
WALLS AND FOOTINGS
(TYP.)

TOP OF SLAB

FACE BRICK (TYP.)

BRICK SOLDIER
COURSE (TYP.)

48" x 56"

48" x 64"

PRECAST CONC.
SILL (TYP.)

28" x 52"

VINYL CLAD STRUCT. STL.
BASEMENT WINDOW (TYPICAL)

30" x 16"

WALL AREA
LIMITING DISTANCE
OPENING ALLOWED
1278.75 SQ. FT.
1.2 M (7%)
89.51 SQ. FT.
59.77 SQ. FT. (GLASS AREA ONLY)

NOTE:
REFER TO FRONT ELEVATION FOR
TYPICAL NOTES & INFORMATION

LEFT SIDE ELEVATION 'C'

LOT 372 RIDEAU 6

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ARCHITECTURAL REVIEW & APPROVAL
JUL 26 2016
John G. Williams Ltd., Architect

S42-6
RIDEAU 6

drawing no.

5

BAYVIEW WELLINGTON

project name
GREEN VALLEY ESTATES

municipality
BRADFORD

project no.
13045

date
SEPTEMBER 2014

LEFT SIDE ELEVATION 'C'

drawn by
DARRYL BURTON

checked by
-

scale
3/16" = 1'-0"

file name
13045-S42-6C-LOT 372

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VA3
DESIGN

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Toronto ON M3H 1S8
t 416.630.2255 f 416.630.4782
va3design.com

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qualification information

Wellington Jno-Baptiste

25591

name

registration information

VA3 Design Inc.

BCIN

42658

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no.	description	date	by
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5	REV. AS PER ENG COMMENTS	JUL 04-16	RC
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1	ISSUED FOR CLIENT REVIEW.	SEPT.15/14	DB



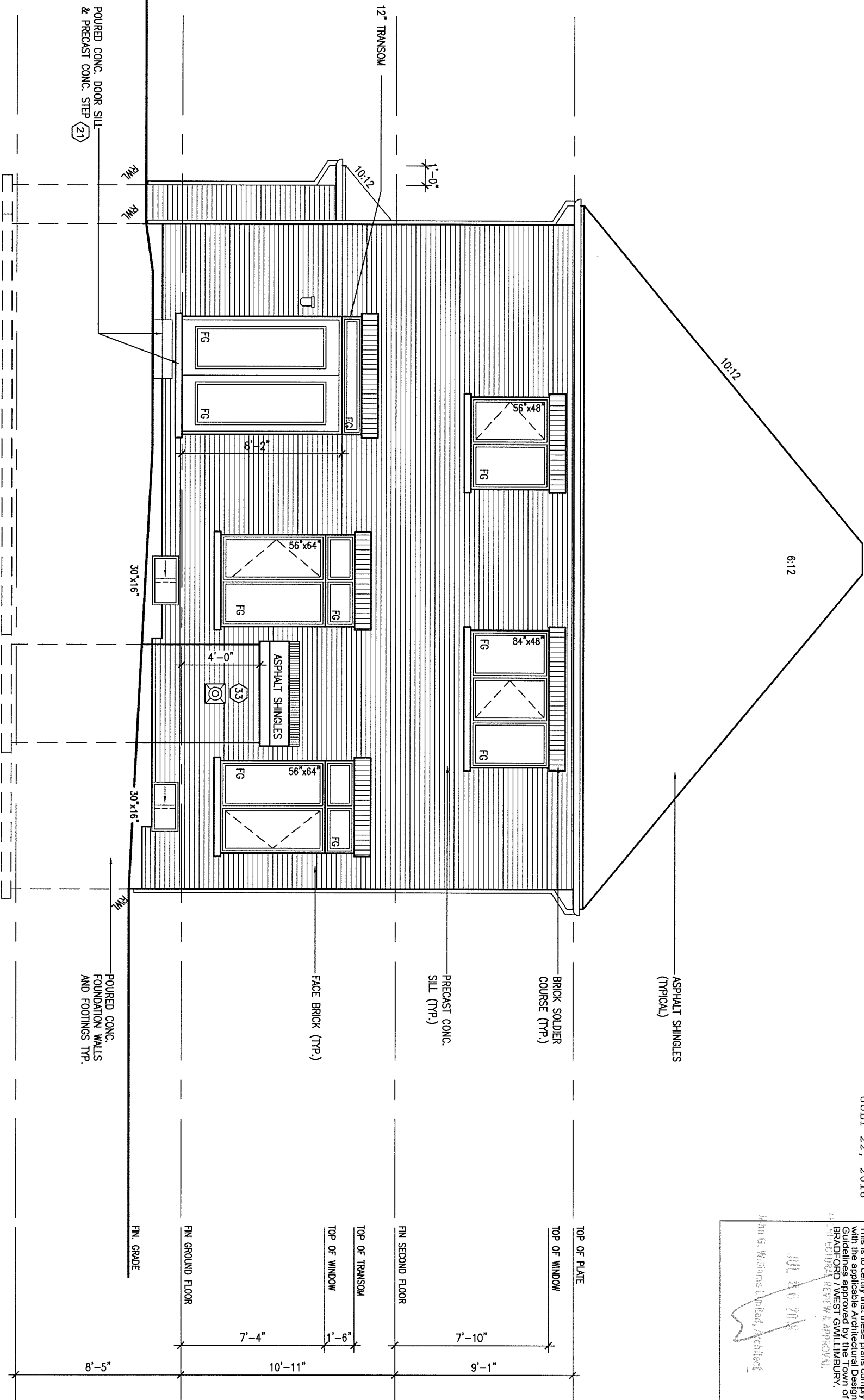
JULY 22, 2016



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JUL 26 2016
John G. Williams Limited, Architect
ARCHITECTURAL REVIEW & APPROVAL
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John G. Williams Limited, Architect



NOTE:
REFER TO FRONT ELEVATION FOR
TYPICAL NOTES & INFORMATION

REAR ELEVATION 'C'

LOT 372 RIDEAU 6

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7	.	.	.	Wellington Jno-Baptiste 25591
6	.	.	.	name registration information BCIN
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Toronto ON M3H 1S8
t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON		S42-6 RIDEAU 6	
project name GREEN VALLEY ESTATES	municipality BRADFORD	project no. 13045	drawing no. 7
date SEPTEMBER 2014	checked by DARRYL BURTON	scale 3/16" = 1'-0"	file name 13045-S42-6C-LOT 372
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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") (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 2.1.1.2.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") (R2B)**
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 "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"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 EMPLOY 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 1/W/ MASONRY VENEER 1/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 (22"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, 9.16.1(1), 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
MIN. RUN
MIN. TREAD
MAX. NOSING
MIN. HEADROOM
RAIL @ LANDING
RAIL @ STAIR
= 150 (5'-0")
= 295 (6'-5")
= 900 (2'-11")
= 865 (2'-10") to 965 (3'-2")
= 860 (2'-10")
MIN. STAIR WIDTH
FOR CURVED STAIRS
MIN. RUN
MIN. TREAD
MIN. AVG. RUN
= 150 (6")
= 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 .
12. **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-12-1.1.6) 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. 870x870x140 (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 ON 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. MIB 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 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., 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. RESERVED
29. **BEARING WOOD POST (BASEMENT) (OBC 9.17.4.)**
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.)**
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) UNTEL OVER CELLAR DOOR WITH 100mm (4") END BEARING.
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.
37. **CONVENTIONAL ROOF FRAMING (2.0Kpp. 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. 8, 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.-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.

5) 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 mm. 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. 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	
M.C. 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.	

JULY 22, 2015

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 235 (2/2" x 10") SPR.#2
B3	3/38 x 235 (3/2" x 10") SPR.#2
B4	4/38 x 235 (4/2" x 10") SPR.#2
L5	2/38 x 286 (2/2" x 12") SPR.#2
B5	3/38 x 286 (3/2" x 12") SPR.#2
B6	4/38 x 286 (4/2" x 12") SPR.#2

LOOSE STEEL LINTELS

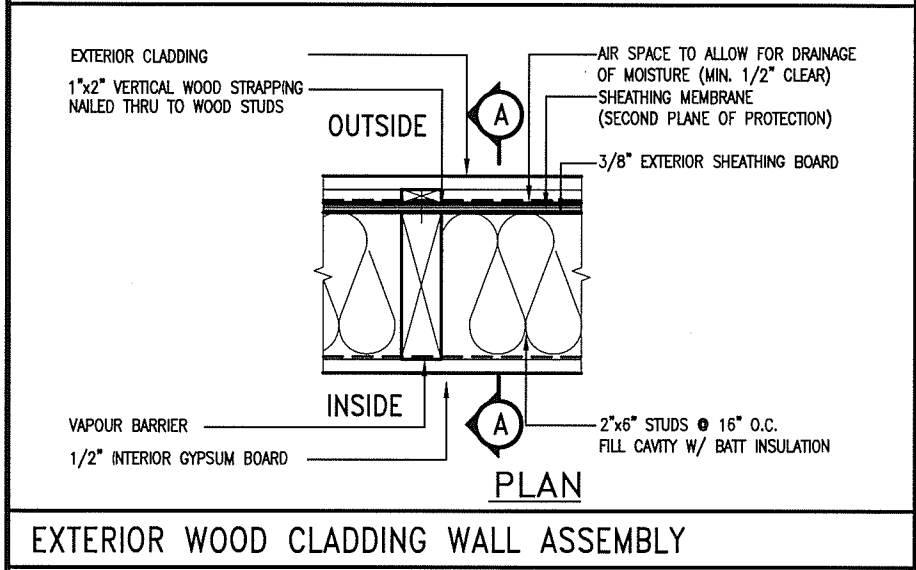
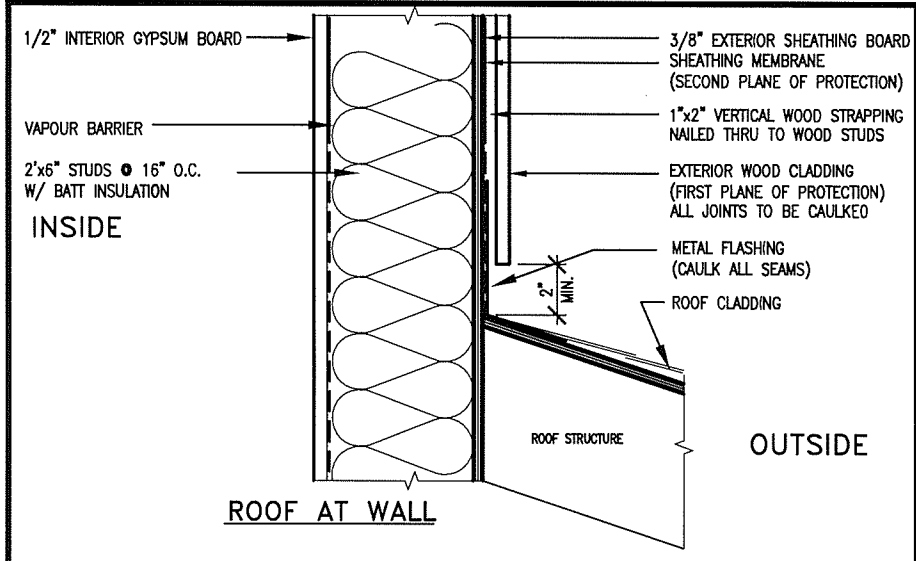
L7	90 x 90 x 6.0L (3-1/2" x 3-1/2" x 1/4"L)
L8	90 x 90 x 8.0L (3-1/2" x 3-1/2" x 5/16"L)
L9	100 x 90 x 8.0L (4" x 3-1/2" x 5/16"L)
L10	125 x 90 x 8.0L (5" x 3-1/2" x 5/16"L)
L11	125 x 90 x 10.0L (5" x 3-1/2" x 3/8"L)
L12	150 x 100 x 10.0L (6" x 4" x 3/8"L)
L13	180 x 100 x 10.0L (7" x 4" x 3/8"L)

LAMINATED VENEER LUMBER (LVL) BEAMS

LVL1A	1-1 3/4"x7 1/4" (1-45x184)
LVL1	2-1 3/4"x7 1/4" (2-45x184)
LVL2	3-1 3/4"x7 1/4" (3-45x184)
LVL3	4-1 3/4"x7 1/4" (4-45x184)
LVL4A	1-1 3/4"x9 1/2" (1-45x240)
LVL4	2-1 3/4"x9 1/2" (2-45x240)
LVL5	3-1 3/4"x9 1/2" (3-45x240)
LVL5A	4-1 3/4"x9 1/2" (4-45x240)
LVL6A	1-1 3/4"x11 7/8" (1-45x300)
LVL6	2-1 3/4"x11 7/8" (2-45x300)
LVL7	3-1 3/4"x11 7/8" (3-45x300)
LVL8	4-1 3/4"x11 7/8" (4-45x300)

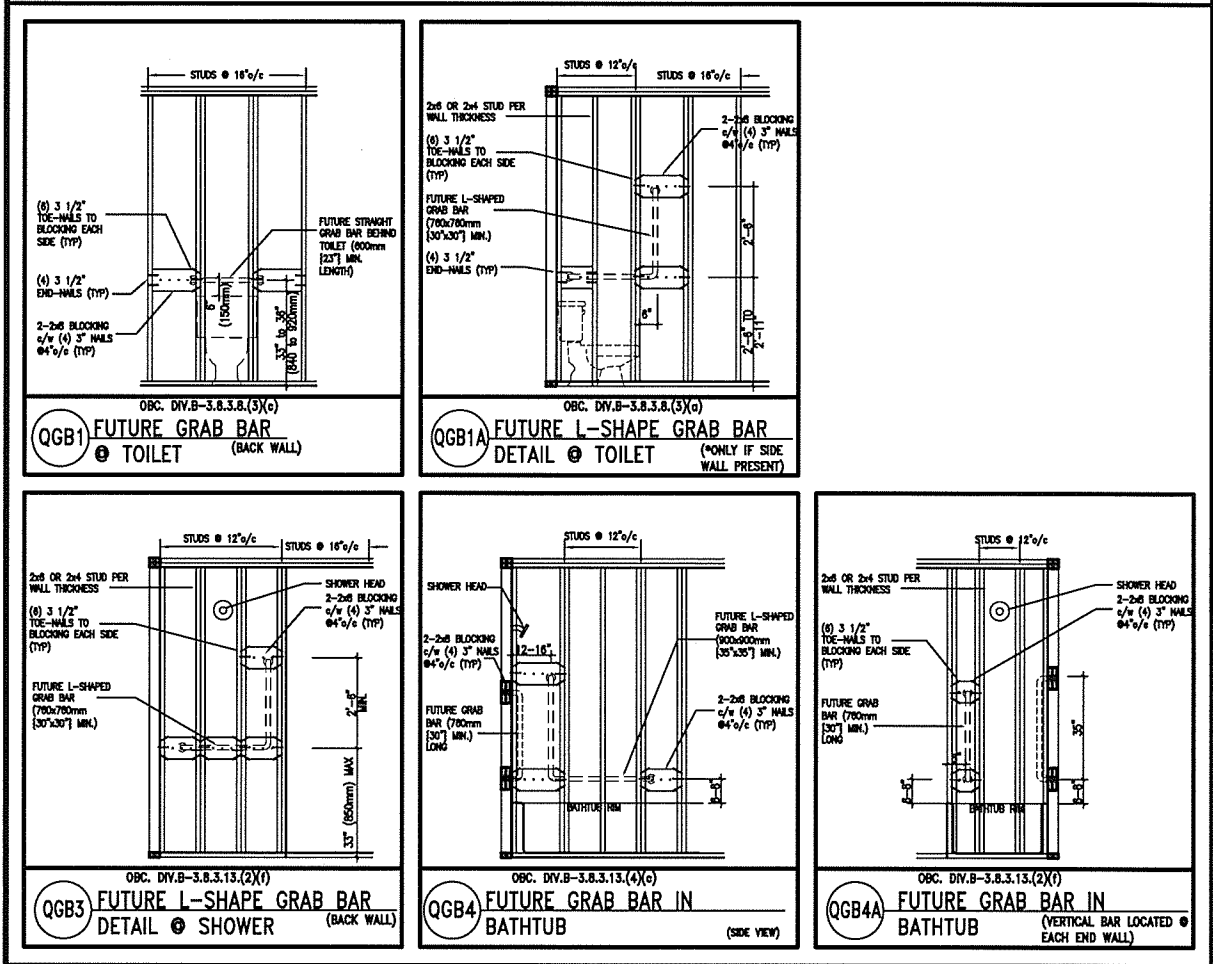
DOOR SCHEDULE

1.	EXTERIOR DOOR 815 x 2030 x 45 (2'-8" x 6'-8" x 1-3/4") INSULATED MIN. RSI 0.7 (R4)
1A	EXTERIOR DOOR 865 x 2030 x 45 (2'-10" x 6'-8" x 1-3/4")
1B	EXTERIOR DOOR 915 x 2030 x 45 (3'-0" x 6'-8" x 1-3/4") INSULATED MIN. RSI 0.7 (R4)
1C	EXTERIOR DOOR 915 x 2438 x 45 (3'-0" x 8'-0" x 1-3/4") INSULATED MIN. RSI 0.7 (R4)
1D	EXTERIOR DOOR 850 x 2438 x 45 (2'-10" x 8'-0" x 1-3/4") INSULATED MIN. RSI 0.7 (R4)
2.	INTERIOR DOOR 815 x 2030 x 35 (2'-8" x 6'-8" x 1-3/8")
2A	EXTERIOR DOOR 815 x 2030 x 45 (2'-8" x 6'-8" x 1-3/4") 20 MIN. RATED DOOR AND FRAME WITH APPROVED SELF CLOSING DEVICE.
2B	EXTERIOR DOOR 815 x 2030 x 45 (2'-8" x 6'-8" x 1-3/4") (WEATHER STRIPPING INSTALLED)
2C	INTERIOR DOOR 815 x 2438 x 45 (2'-8" x 8'-0" x 1-3/4")
2D	EXTERIOR DOOR 815 x 2438 x 45 (2'-8" x 8'-0" x 1-3/4") 20 MIN. RATED DOOR AND FRAME WITH APPROVED SELF CLOSING DEVICE.
3.	INTERIOR DOOR 760 x 2030 x 35 (2'-6" x 6'-8" x 1-3/8")
3A	INTERIOR DOOR 710 x 2030 x 35 (2'-4" x 6'-8" x 1-3/8")
3B	INTERIOR DOOR 760 x 2438 x 35 (2'-8" x 8'-0" x 1-3/8")
3C	INTERIOR DOOR 710 x 2438 x 35 (2'-4" x 8'-0" x 1-3/8")
4.	INTERIOR DOOR 610 x 2030 x 35 (2'-0" x 6'-8" x

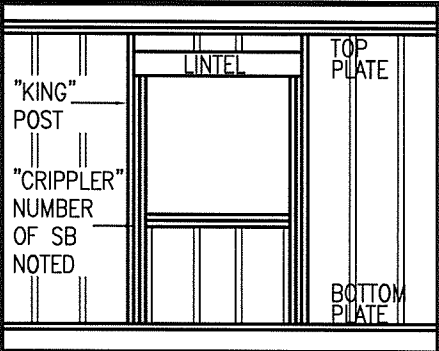


EXTERIOR WOOD CLADDING WALL ASSEMBLY

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)(1), BATHTUB & 3.8.3.13.(4)(c), AND DETAILS PROVIDED.



JULY 22, 2016

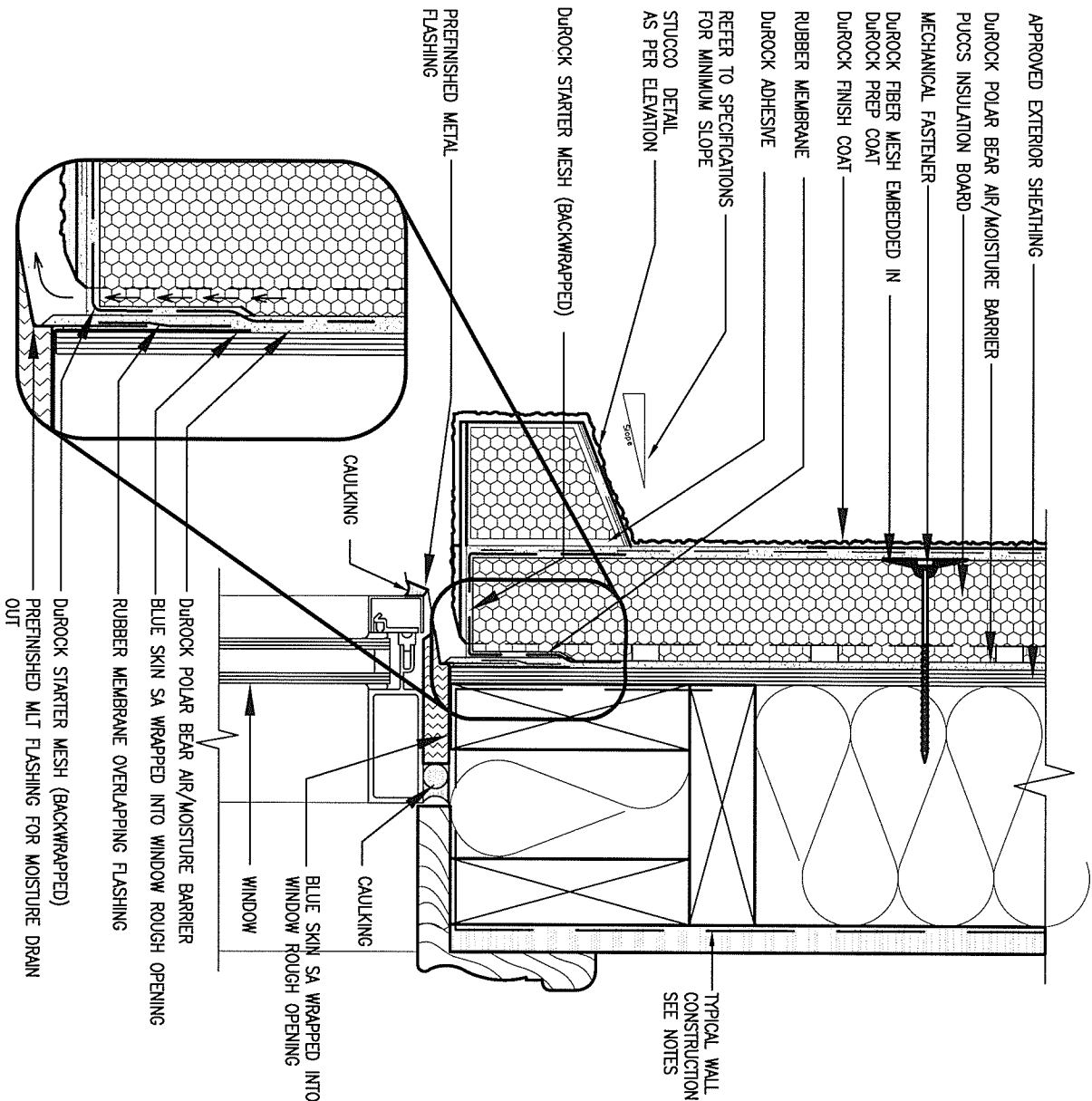


MAX. HEIGHT FOR 2"x4" GARAGE WALL IS AS FOLLOW: 2"x4" @ 16" O.C. - 9'-10" 2-2"x4" @ 12" O.C. - 10'-9" 3-2"x4" @ 16" O.C. - 11'-2" 3-2"x4" @ 12" O.C. - 12'-4"			** MAX. HEIGHT FOR 2"x6" EXTERIOR WALL IS AS FOLLOW: 2"x6" @ 16" O.C. - 12'-6" 2"x6" @ 12" O.C. - 13'-10" 2-2"x6" @ 16" O.C. - 15'-0" 2-2"x6" @ 12" O.C. - 17'-4"		
NOTES: 1. 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. 2. PROVIDE HORIZONTAL SOLID BLOCKING @ 1200 O.C. (4'-0") 3. PROVIDE A MINIMUM OF 9.5mm (3/8") PLYWOOD OR OSB EXTERIOR SHEATHING ON THE EXTERIOR FACE. 4. FOR A 1/50 YEAR REFERENCE WIND PRESSURE OF 0.6 KPa. 5. STUDS GREATER THAN 9'-10" HIGH TO BE No. 2 SPF 6. STUD SPECIFICATION IS SUITABLE FOR BRICK VENEER OR SIDING.			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: 1. FOR ROOF DESIGN SNOW LOAD OF 2.5 KPa 2. SUPPORTED ROOF TRUSS LENGTH OF 6.0m ONLY. 3. PROVIDE HORIZONTAL SOLID BLOCKING @ 1200 O.C. (4'-0") 4. 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. 5. WALL FRAMING SHALL CONFORM TO OBC 9.23.10.1.(2) 6. FOR A 1/50 YEAR REFERENCE WIND PRESSURE OF 0.6 KPa 7. STUDS GREATER THAN 9'-10" HIGH TO BE No. 2 SPF. 8. STUD SPECIFICATION IS SUITABLE FOR BRICK VENEER OR SIDING.		
			** STUD INFORMATION TAKEN FROM OBC TABLE A-30		

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	.	.	.	name
5	.	.	.	registration information
4	.	.	.	VA3 Design Inc. 42658
3	.	.	.	
2	UPDATE TO CODE	APR 16-15	RC	
1	ISSUE FOR CLIENT REVIEW	MAY 07-14	RC	
no.	description	date	by	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.



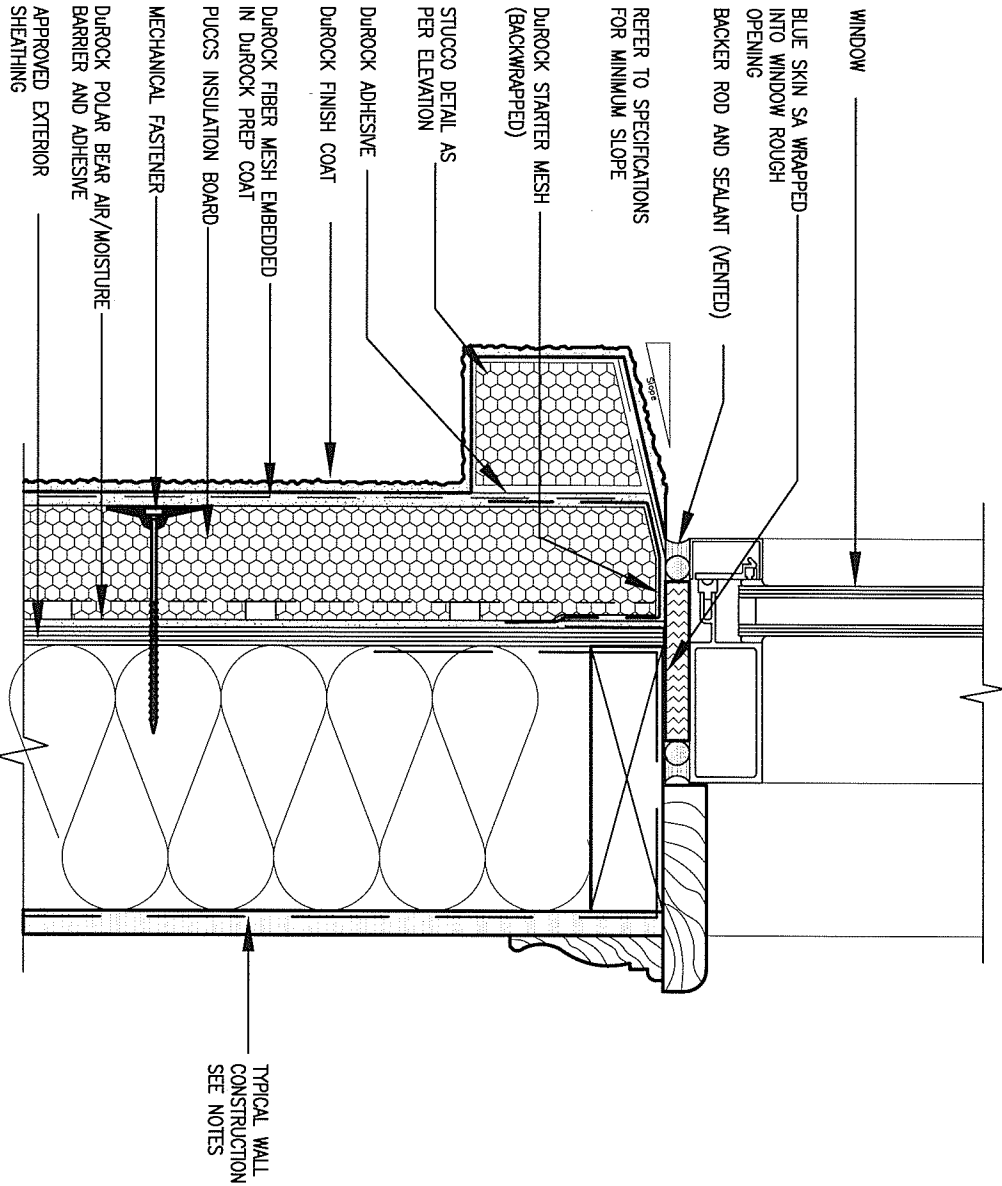
BAYVIEW WELLINGTON		CONST NOTE	
project name	GREEN VALLEY ESTATES	municipality	BRADFORD
date	APR 2014	project no.	13045
drawn by	RC	CONSTRUCTION NOTES	drawing no.
checked by	-	file name	CN2
scale	3/16" = 1'-0"	13045-CONST-OBC 2015	
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1 WINDOW HEADER

CN3

SCALE: 3"=1'-0"




2 WINDOW SILL

CN3

SCALE: 3"=1'-0"

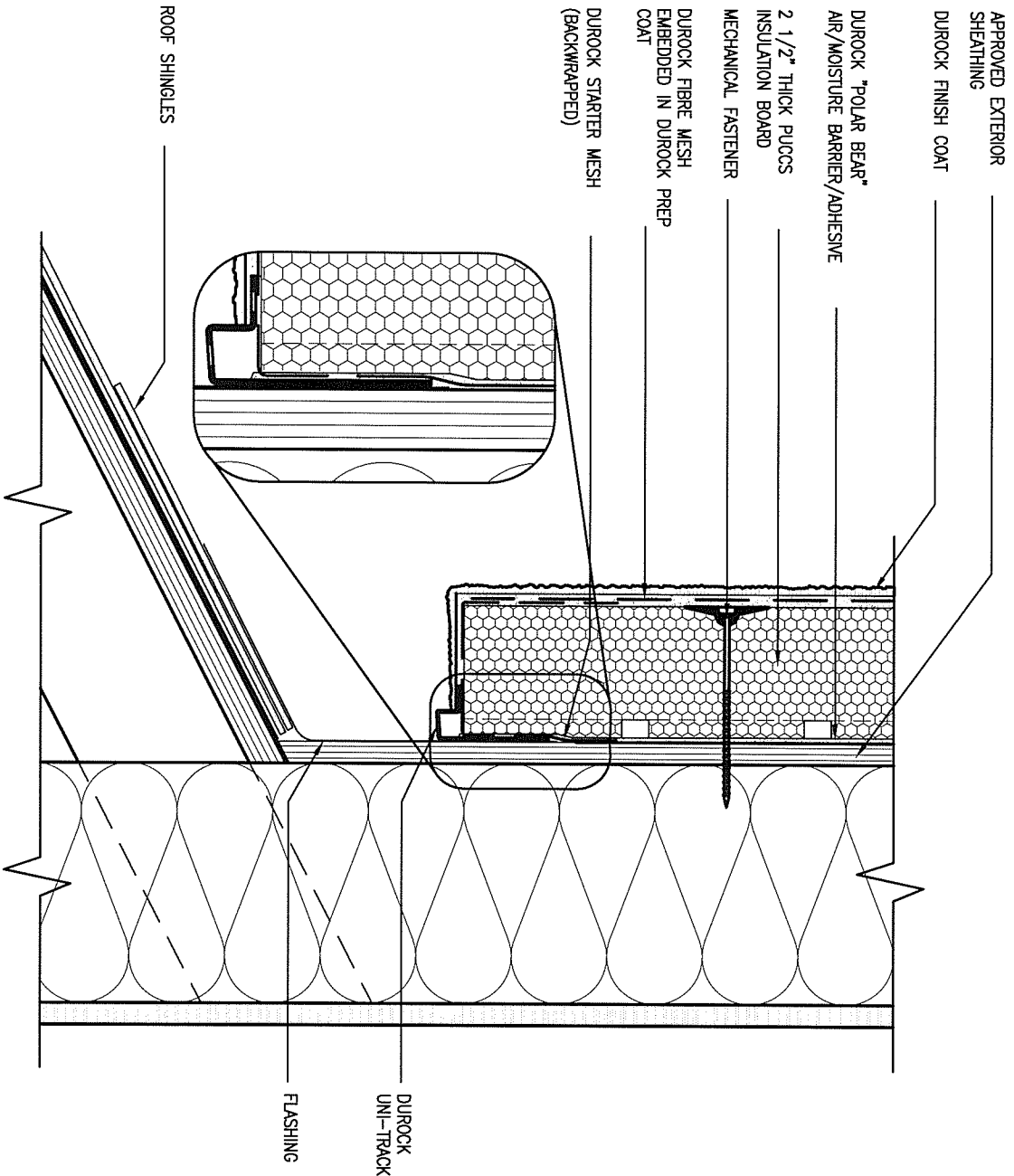
ALL STUCCO WALLS TO HAVE A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR. THE EXTERIOR SHEATHING MUST NOT BE GYPSUM BASED. ALL STUCCO TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.
DETAILS ARE BASED ON DUROCK PUCCS SYSTEM

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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	signature		BCIN
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.			

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BAYVIEW WELLINGTON		CONST NOTE	
project name GREEN VALLEY ESTATES	municipality BRADFORD	project no. 13045	drawing no. CN3
CONSTRUCTION NOTES			
date APR 2014	checked by -	scale 3/16" = 1'-0"	file name 13045-CONST-OBC 2015
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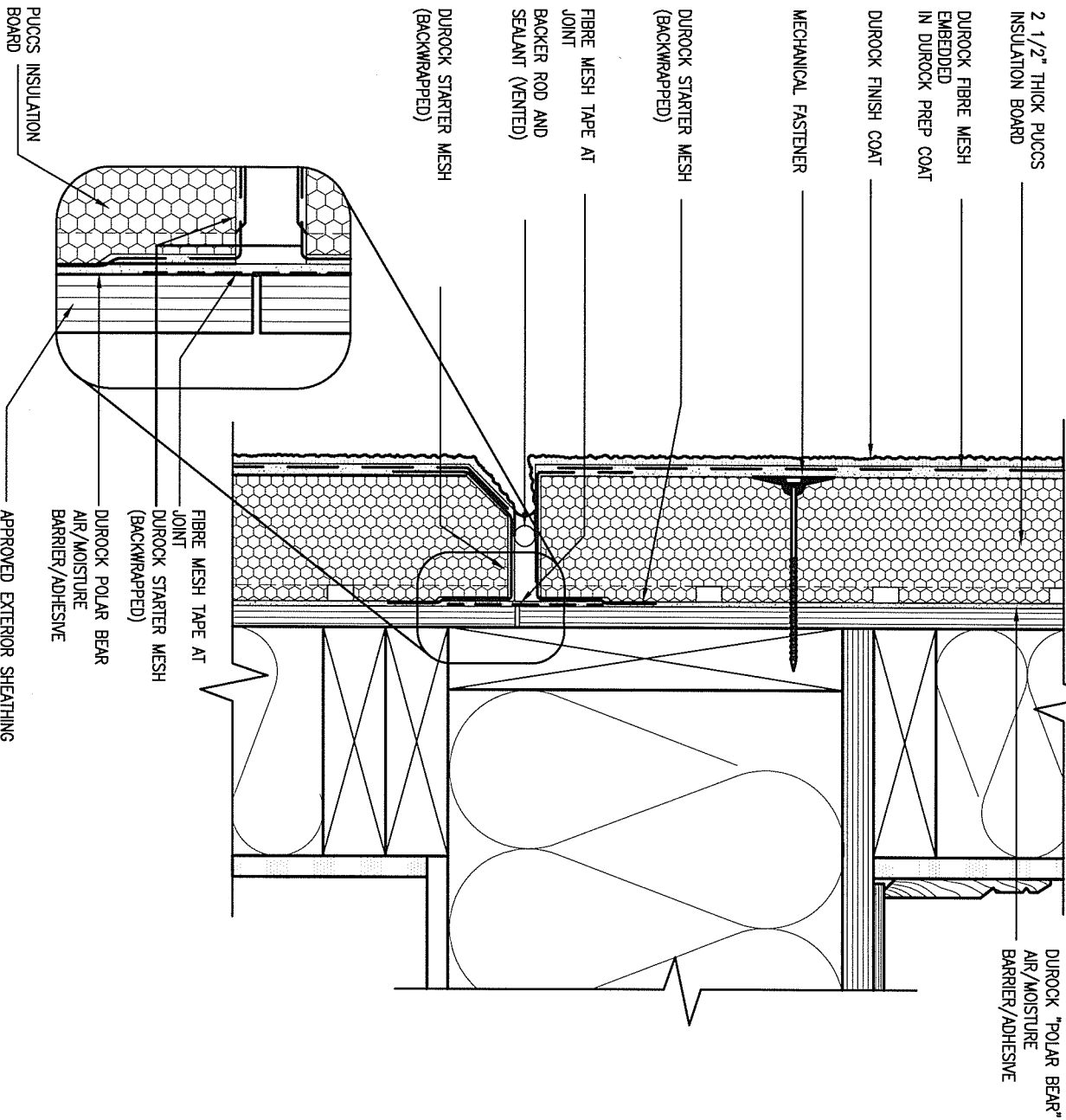


3 STUCCO TERMINATION @ ROOF

SCALE: 3"=1'-0"

CN4

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

SCALE: 3"=1'-0"

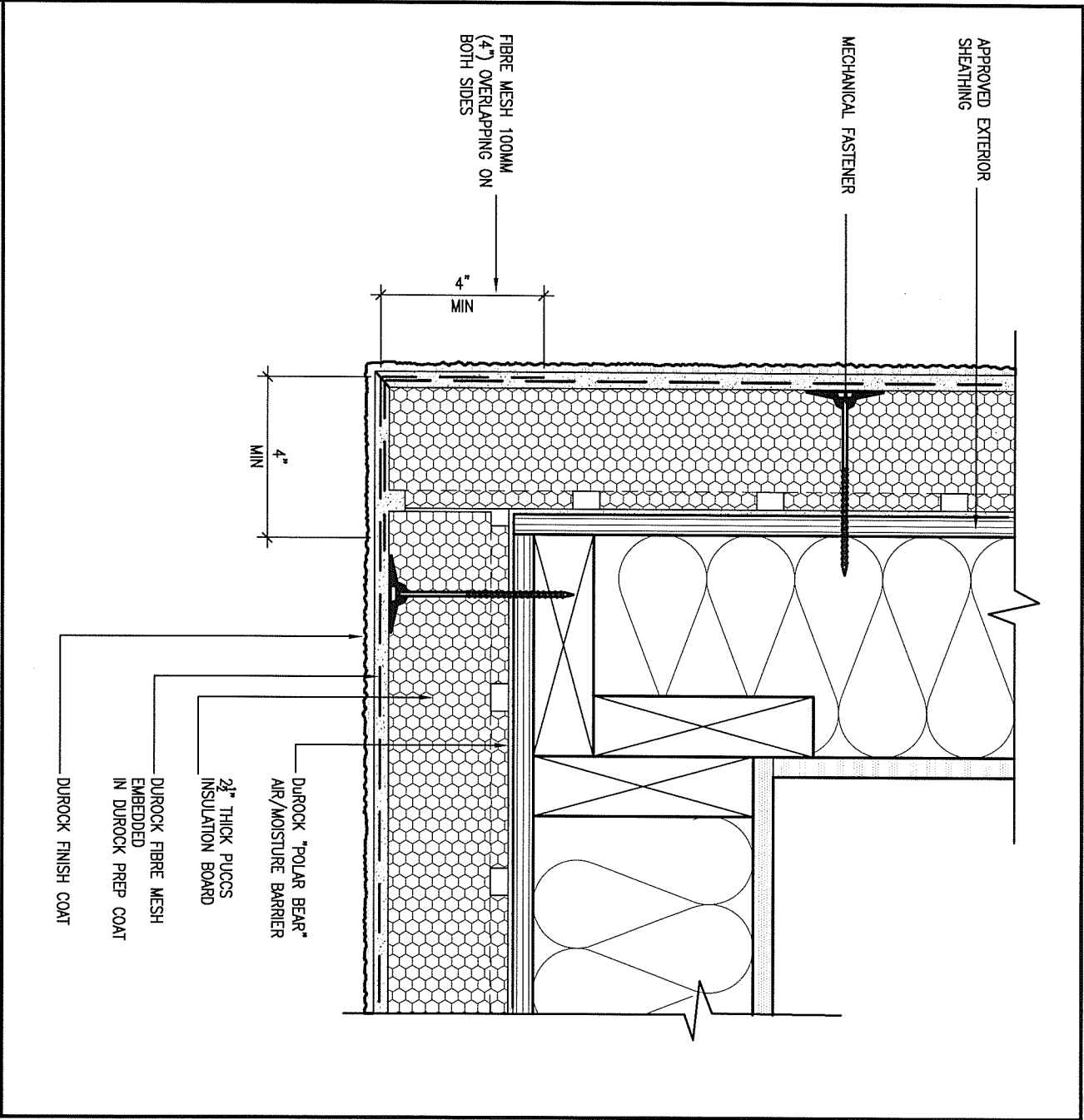
CN4

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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	BCIN
name			
registration information			
VA3 Design Inc.		42658	
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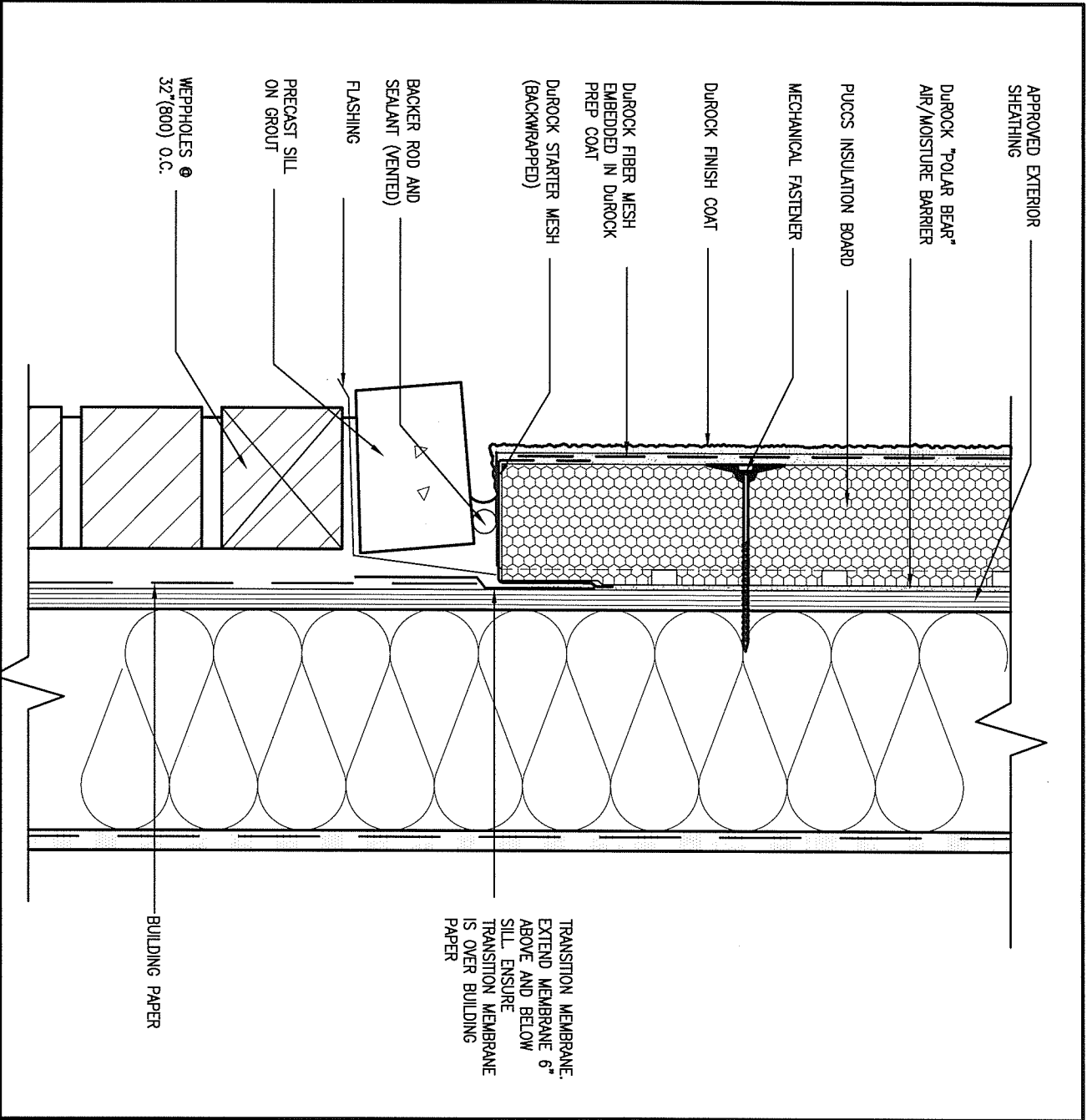
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BAYVIEW WELLINGTON		CONST NOTE	
project name	GREEN VALLEY ESTATES	municipality	BRADFORD
date	APR 2014	checked by	-
drawn by	RC	scale	3/16" = 1'-0"
CONSTRUCTION NOTES		file name	13045-CONST-OBC 2015
RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\13045-CONST-OBC 2015.dwg - Thu - Apr 16 2015 - 6:57 AM		drawing no.	CN4



5 CORNER DETAIL
CNS 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



6 STUCCO / MASONRY PLINTH CONNECTION
CNS SCALE: 3"=1'-0"

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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		BCIN	
registration information		42658	
VA3 Design Inc.			
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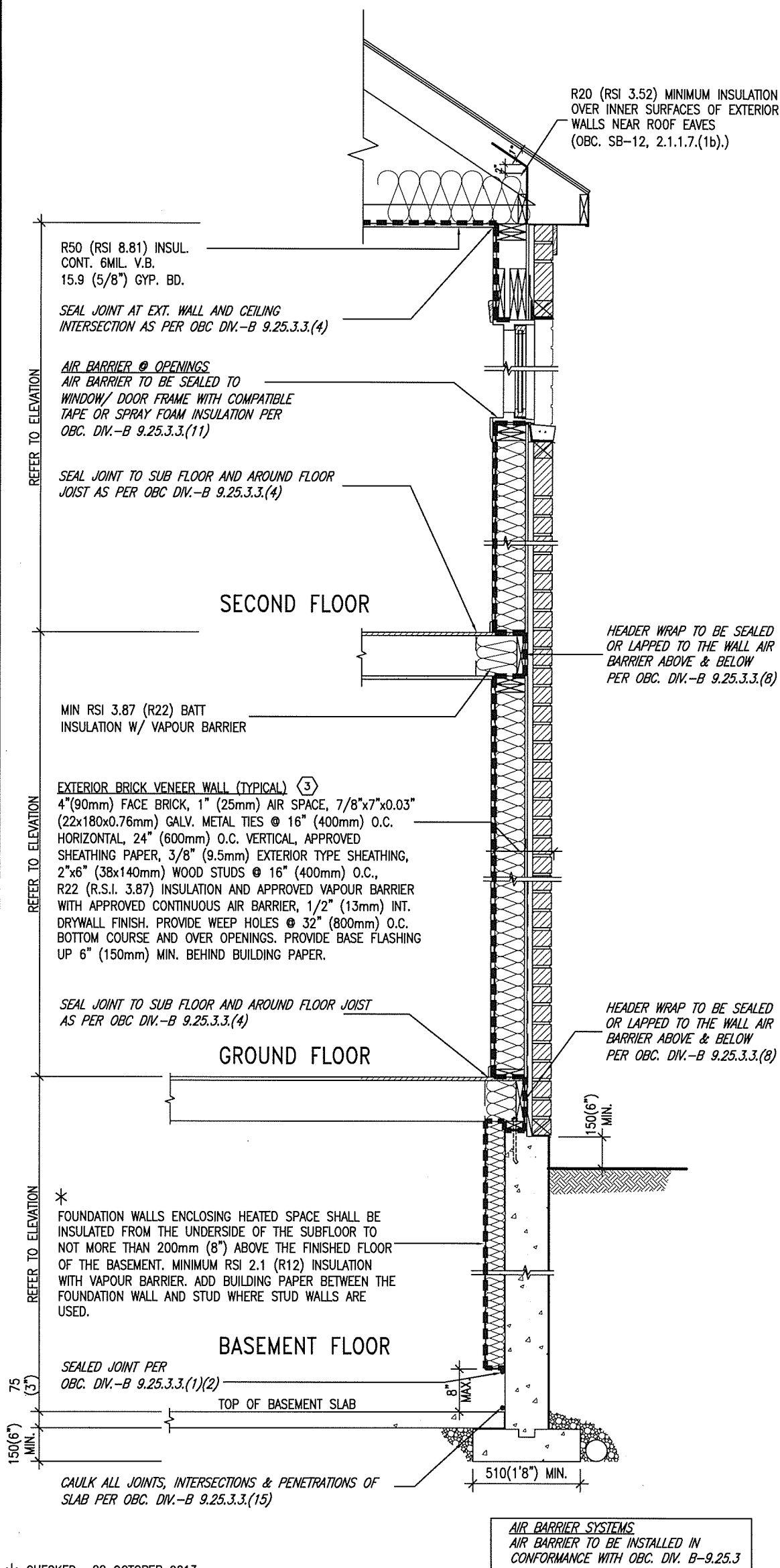
BAYVIEW WELLINGTON			CONST NOTE	
project name GREEN VALLEY ESTATES			project no. 13045	
date APR 2014			drawing no. CN5	
drawn by RC			checked by -	
scale 3/16" = 1'-0"			file name 13045-CONST-OBC 2015	
RICHARD - H:\ARCHIVE\WORKING\2013\13045.BW\units\13045-CONST-OBC 2015.dwg - Thu - Apr 16 2015 - 6:57 AM				

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

COMPONENT	U	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%	–



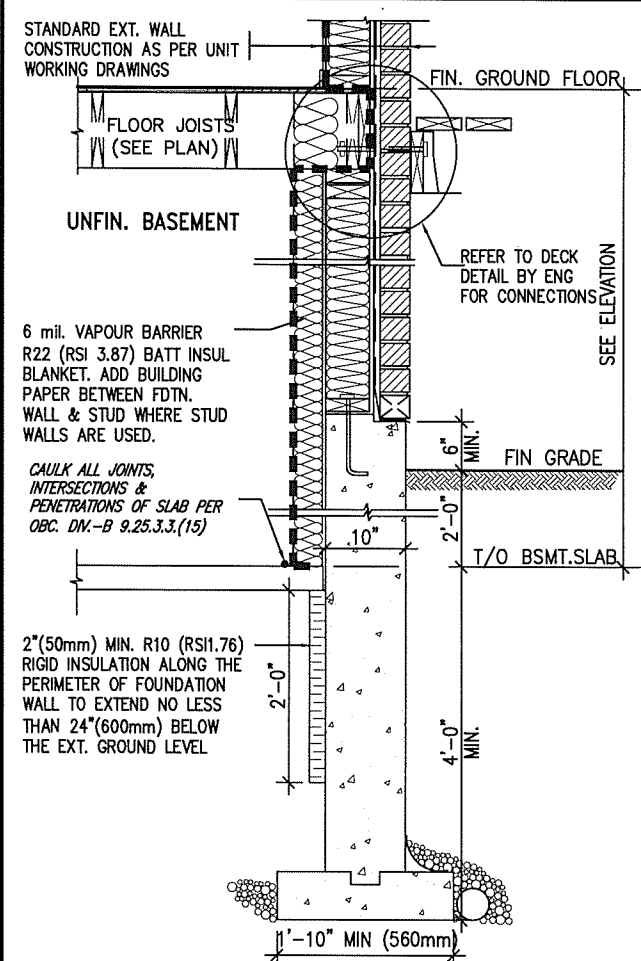
JULY 22, 2016



* 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. qualification information Wellington Jno-Baptiste 25591 name <i>J. Baptiste</i> registration information signature BCIN VA3 Design Inc. 42658
8	.	.	.	
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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.
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no.	description	date	by	



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BAYVIEW WELLINGTON

CONST NOTE

project name
GREEN VALLEY ESTATES

municipality
BRADFORD

project no.
3045

date
APR 2014

drawn by
BC

checked by

scale

CONSTRUCTION NOTES

wing no.

drawn by RC checked by - scale $3/16" = 1'-0"$

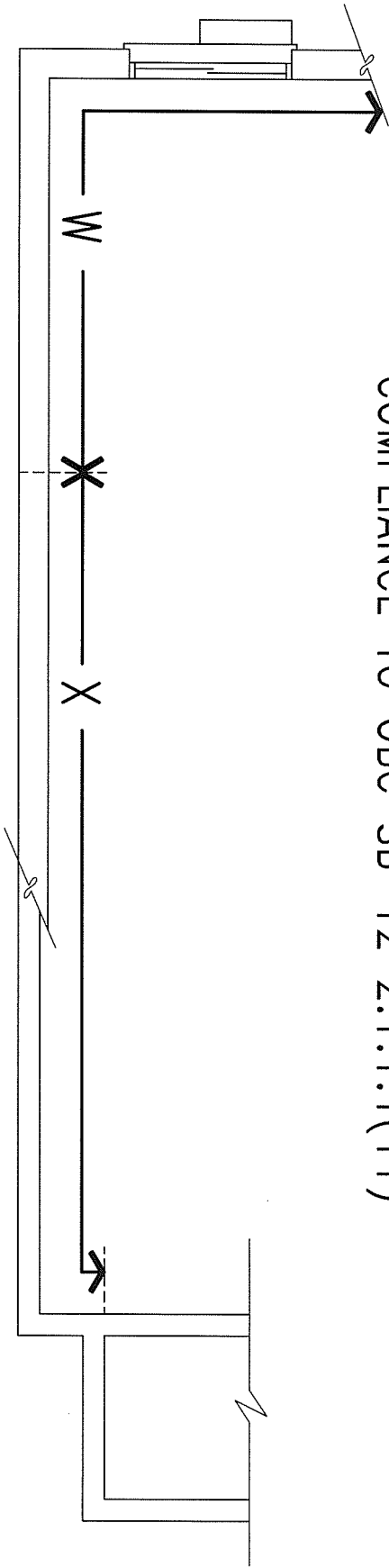
file name
13045-CONST-OBC 2015

CN6

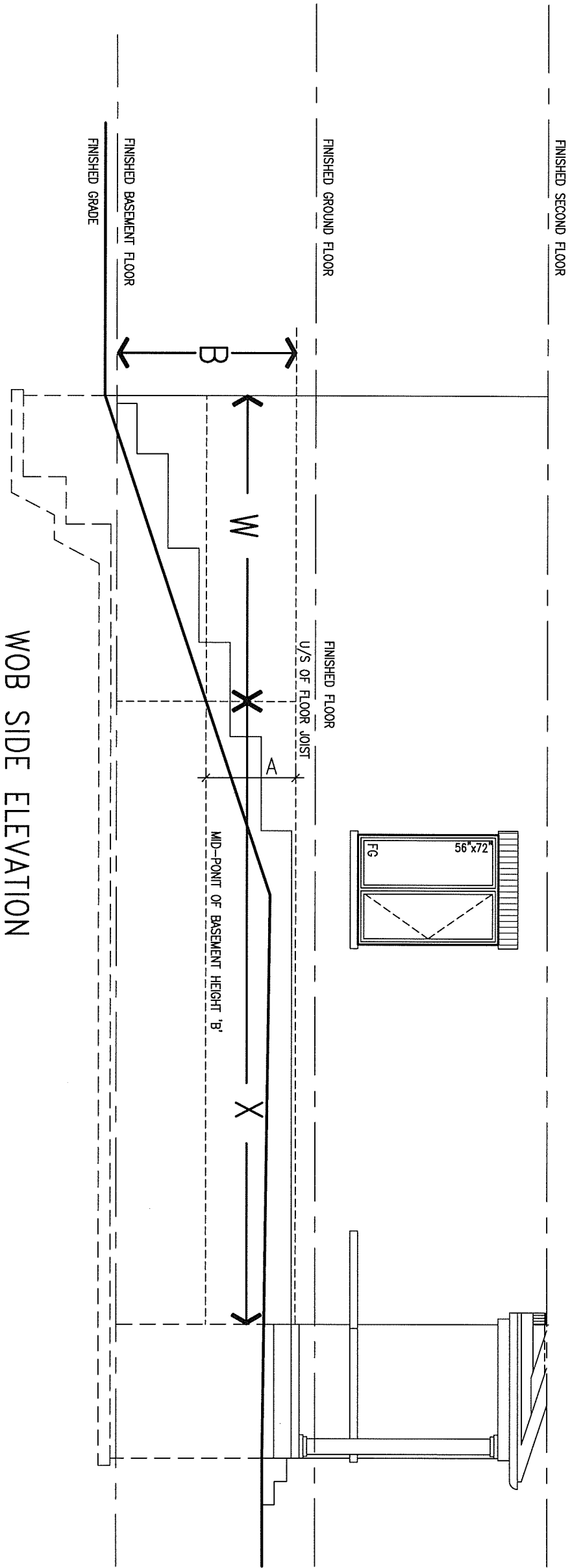
END

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COMPLIANCE TO OBC SB-12 2.1.1.1(11)



WOB PLAN



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

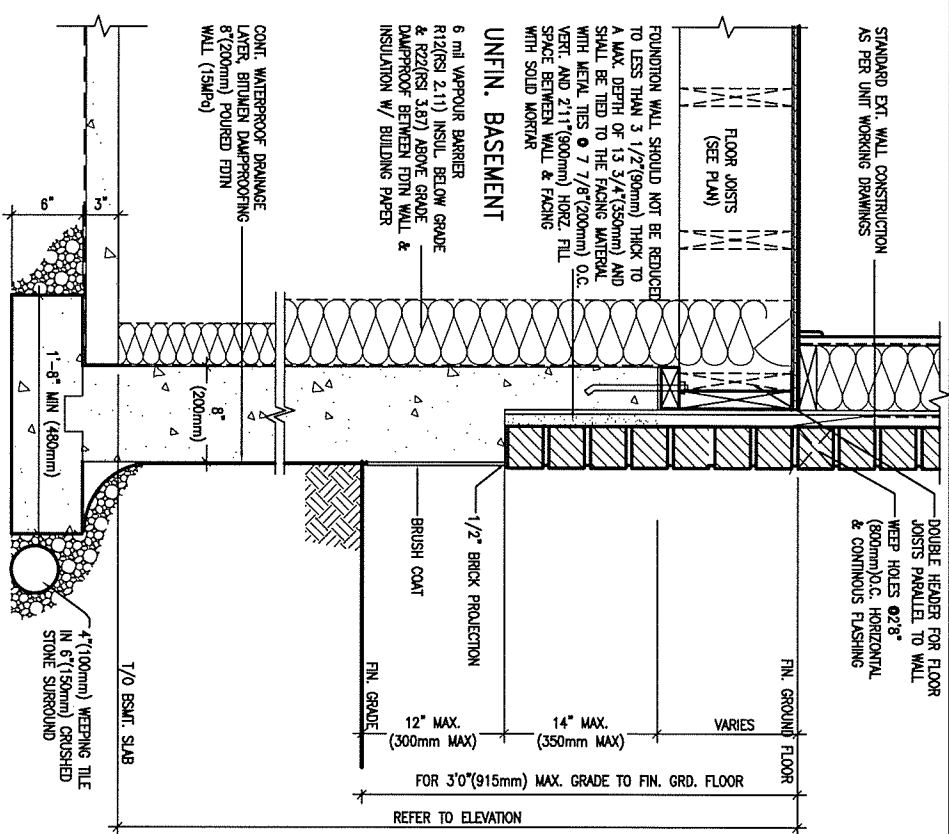
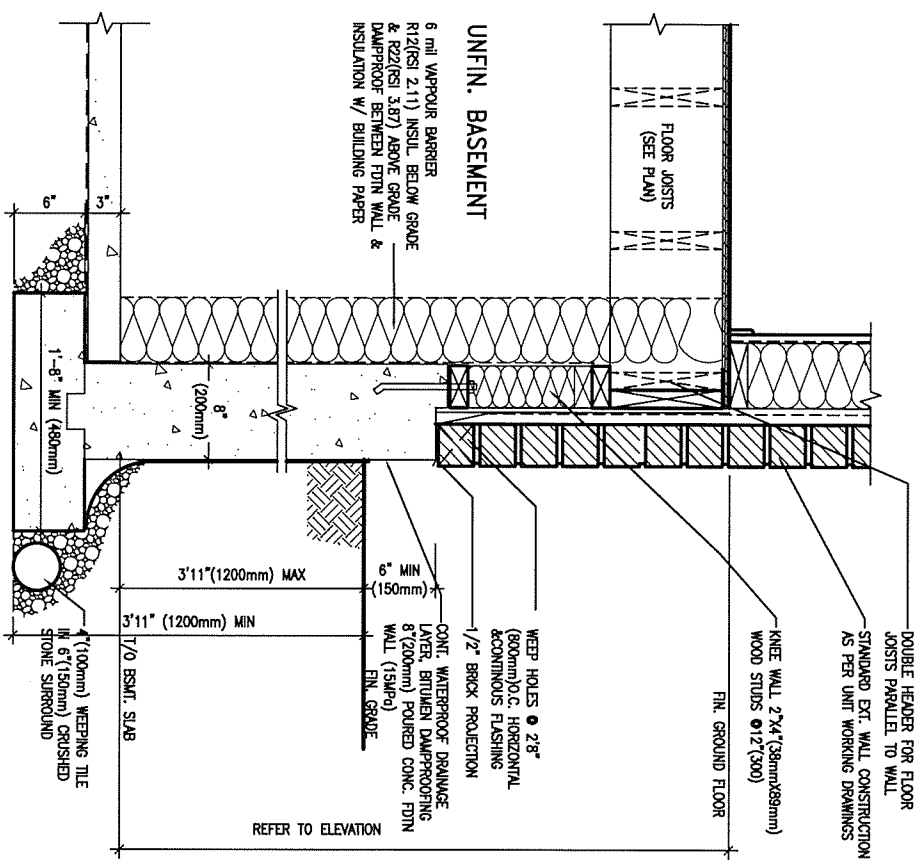
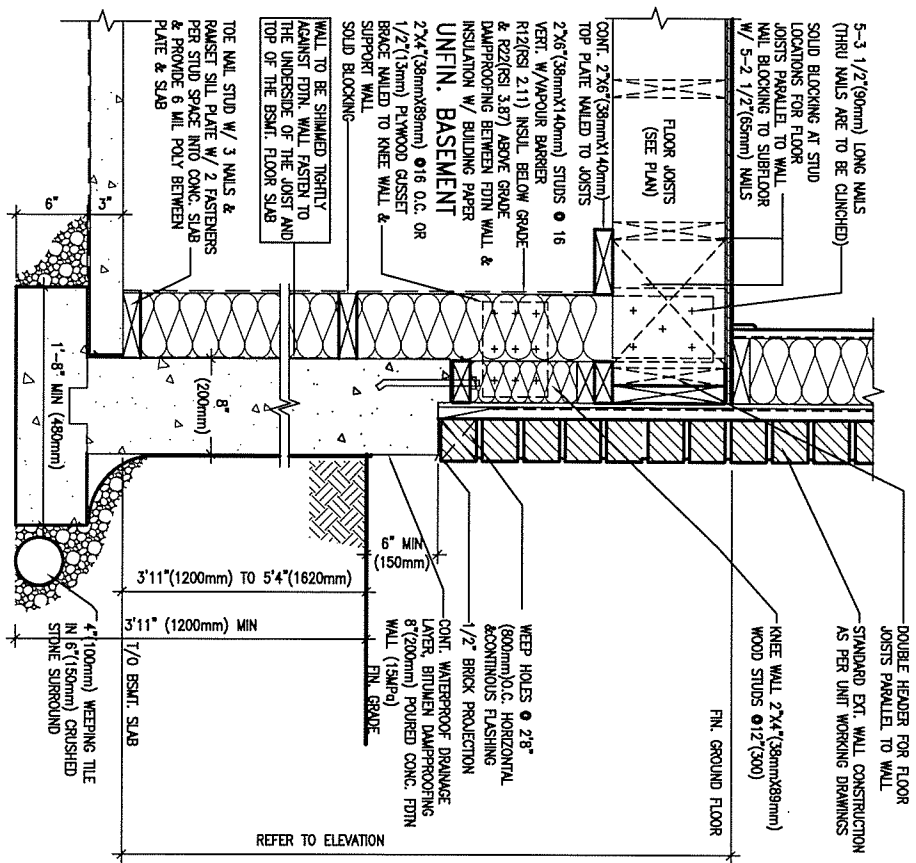
WHEN EXPOSED WALL "A" IS LESS THAN 50% OF BASEMENT WALL HEIGHT "B" INSULATION VALUE FOR WALL IN SECTION "X" IS NOT LESS THAN BASEMENT WALL AS REQUIRED BY TABLE 2.1.1.2A

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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	BCIN	
registration information	42658	
VA3 Design Inc.		
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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. CN7
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WALK-OUT WALL SECTION FOR GRADE

HEIGHTS BETWEEN 3'11" (1200mm) AND (EW3.08B)

5'4" (1620mm) BASEMENT SLAB TO GRADE

N.T.S.

WALK-OUT DECK WALL SECTION FOR GRADE

(EW3.07B) TO BASEMENT SLAB 3'11" (1200mm)

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

The undersigned has reviewed and takes responsibility for this design and the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.

qualification information	
Wellington Jno-Baptiste	2559
name	BCI
registration information	
VA3 Design Inc.	42655

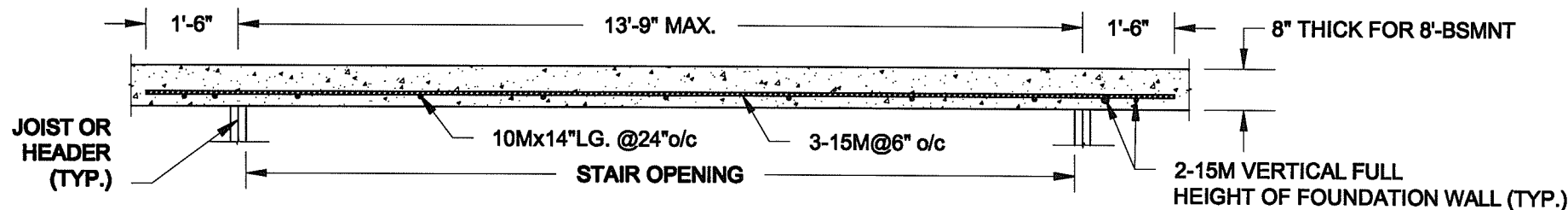
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BAYVIEW WELLINGTON

CONST NOTE

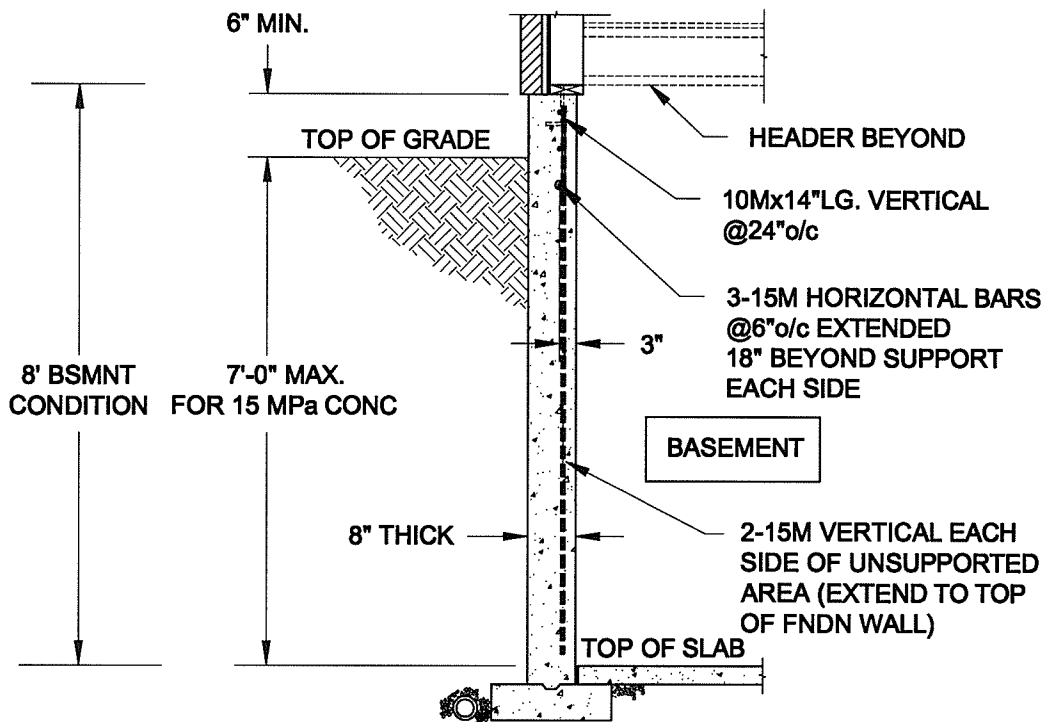
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date APR 2014		CONSTRUCTION NOTES			
drawing no. APR 2014		drawing no. CN9			
drawn by RC		checked by -		scale 3/16" = 1'-0"	
file name 13045-CONST-0BC 2015					
RICHARD - H:\ARCHIVE\WORKING\2013\13045,BVA\units\13045-CONST-0BC 2015.dwg - Mon - Nov 4 2015 - 4:04 PM					



PLAN VIEW

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.

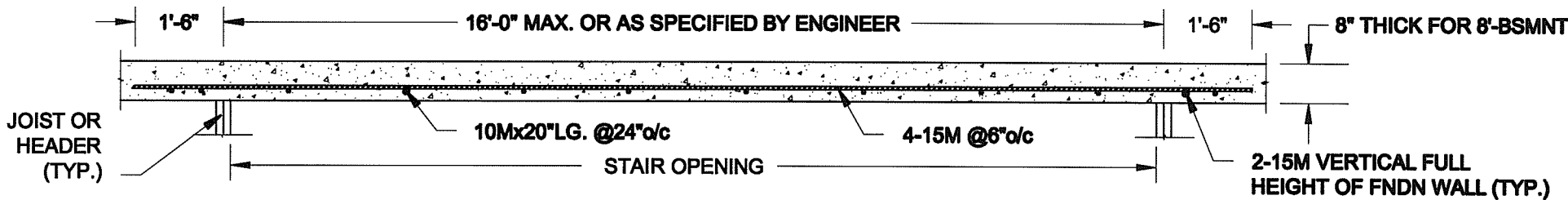


FTG. SIZE AS PER PLAN

1A
S1

LATERALLY UNSUPPORTED WALL

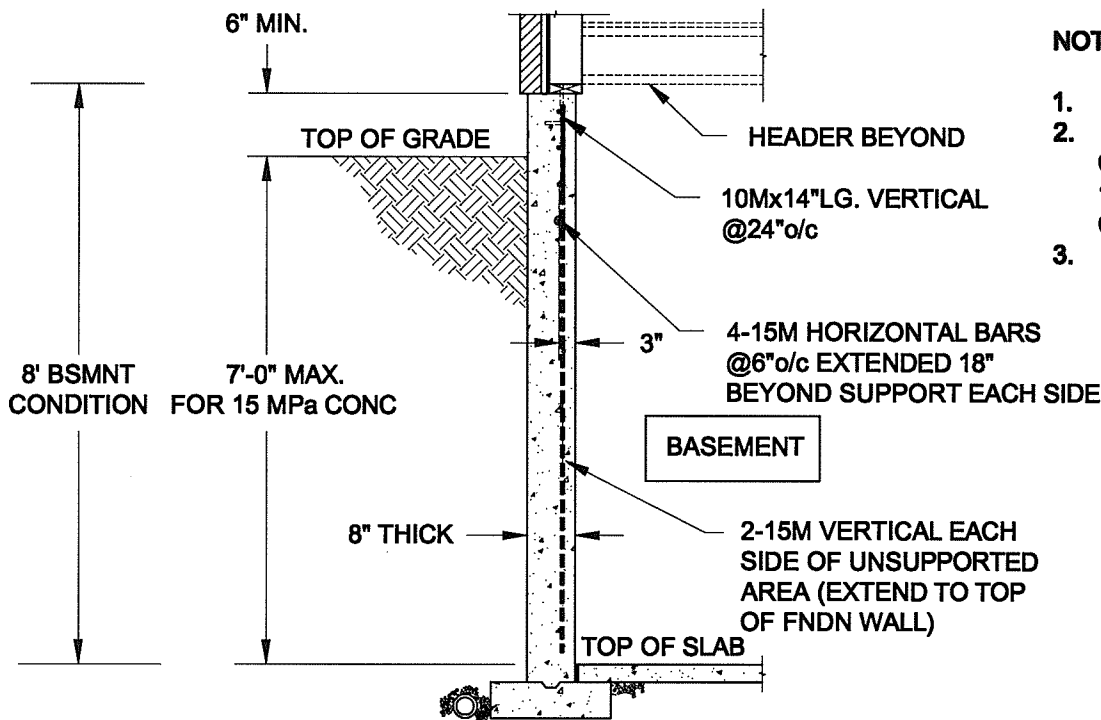
SCALE: 3/8" = 1'-0"



PLAN VIEW

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.



FTG. SIZE AS PER PLAN

1B
S1

LATERALLY UNSUPPORTED WALL

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

Scale:
AS NOTED

Date:
MAY-31-2018

Drawn: SC
Checked: SJB

QUAILE ENGINEERING LTD.



38 Parkside Drive, UNIT 7
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

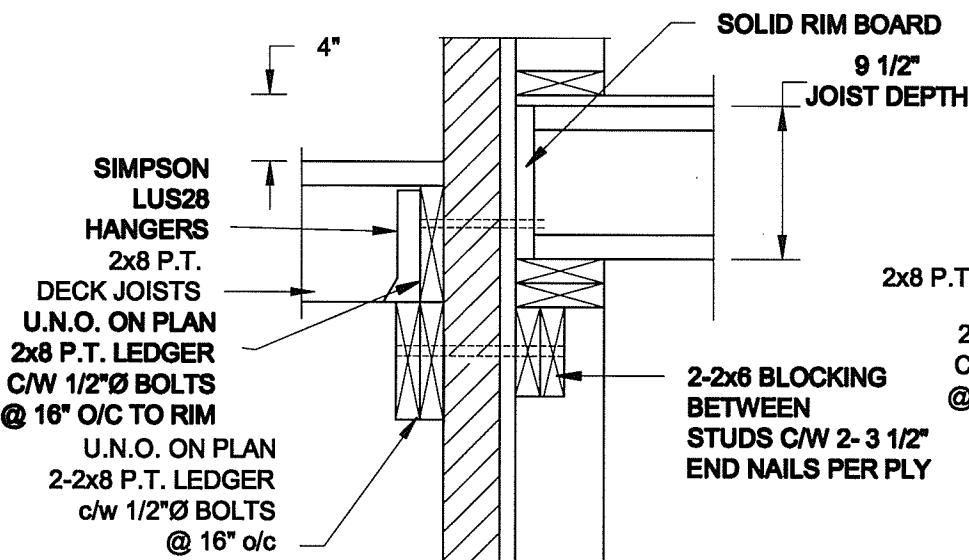
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16-102

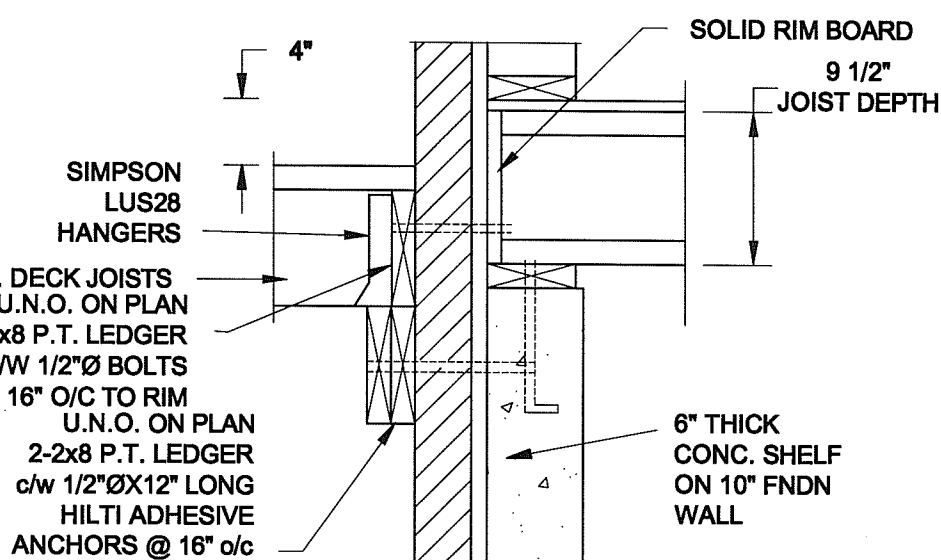
Drawing No.:

S1

FOR 9 1/2" JOIST DEPTH



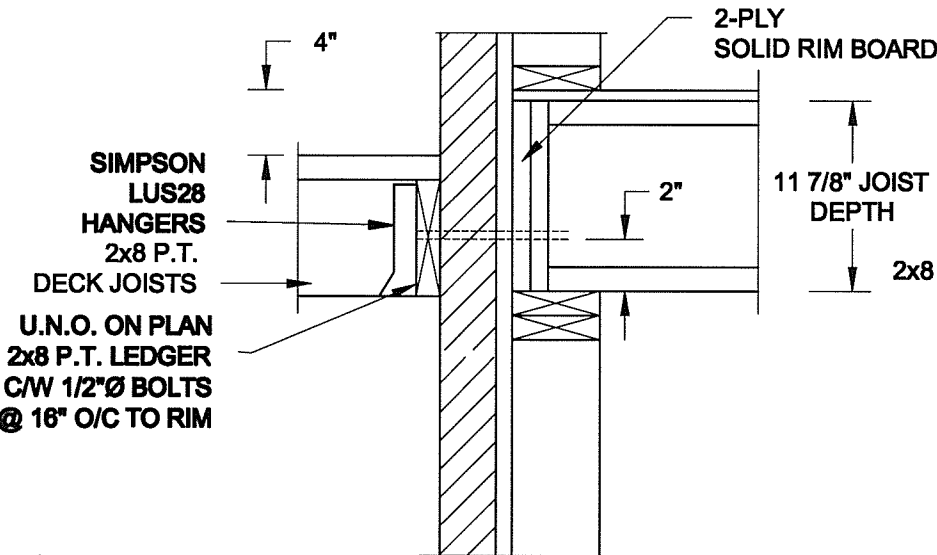
1A
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"



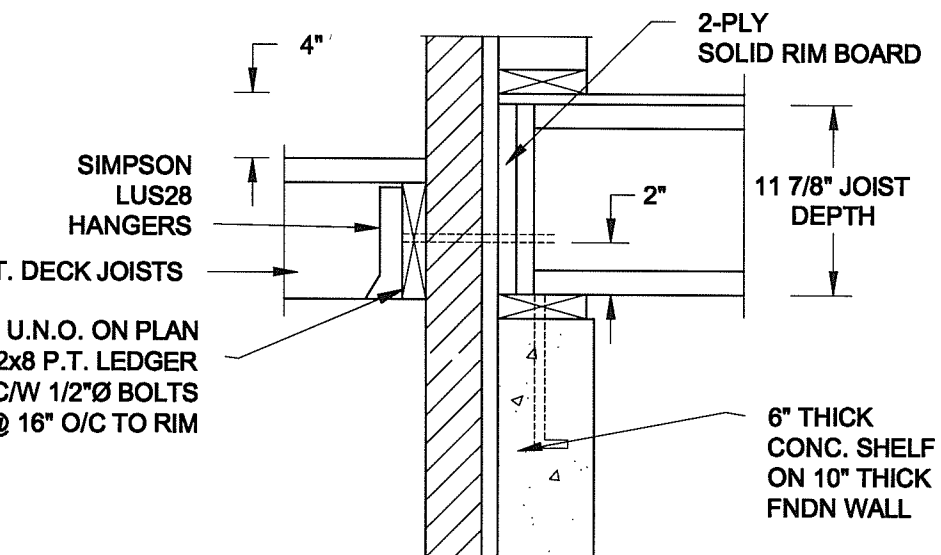
1B
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"

- NOTE: 1. WHERE BACKFILL HEIGHT < 4'-7", PROVIDE 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

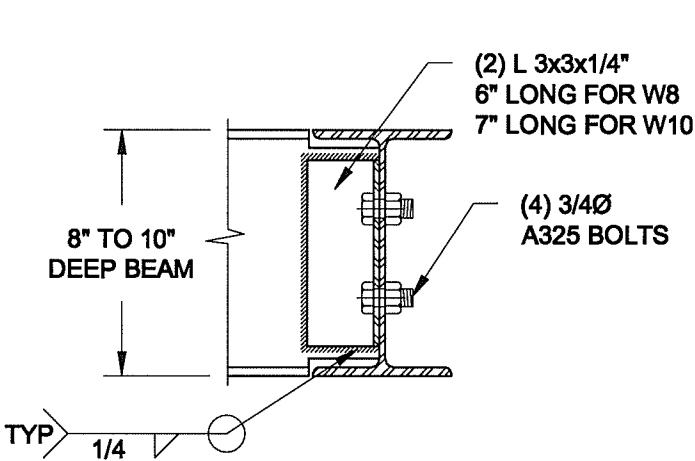


2A
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"

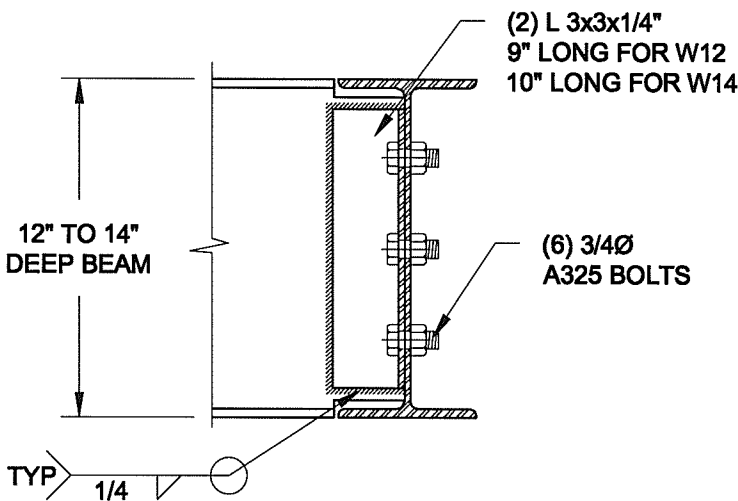


2B
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"

- NOTE: 1. WHERE BACKFILL HEIGHT < 4'-7", PROVIDE 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:
SJB

QUAILE ENGINEERING LTD.



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Engineer's Seal:



MAY 30, 2016

Project:

BAYVIEW WELLINGTON HOMES - GREEN VALLEY ESTATES PROJECT
BRADFORD, ONTARIO

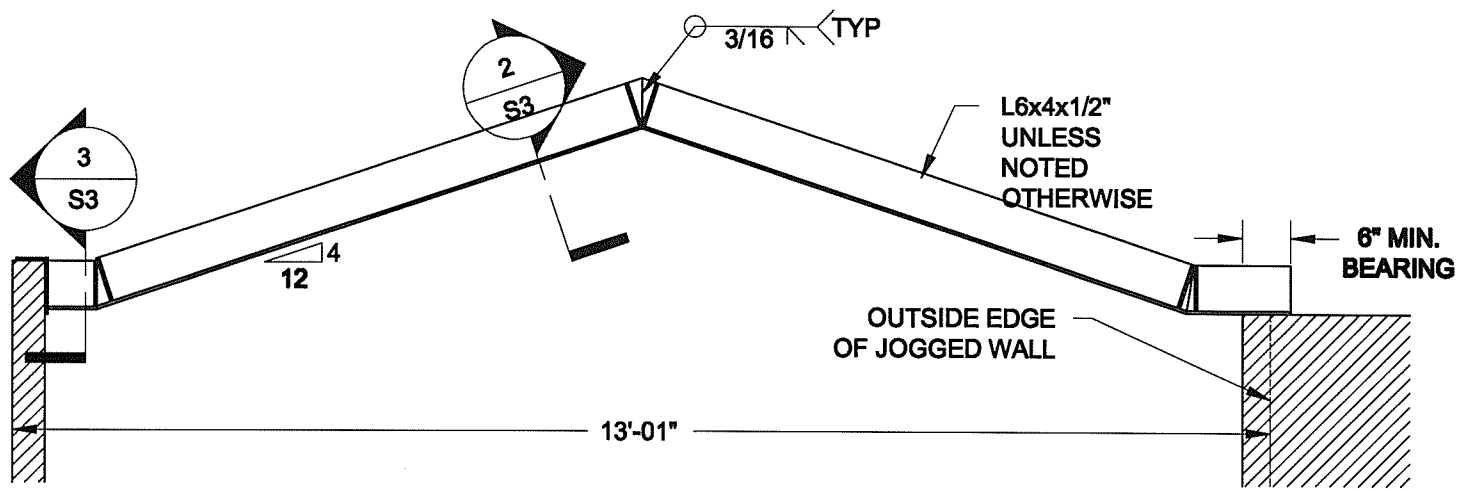
TYPICAL STRUCTURAL DETAILS FOR SINGLES

Project No.:

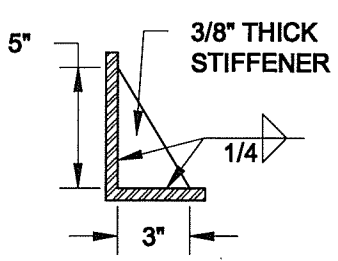
16-102

Drawing No.:

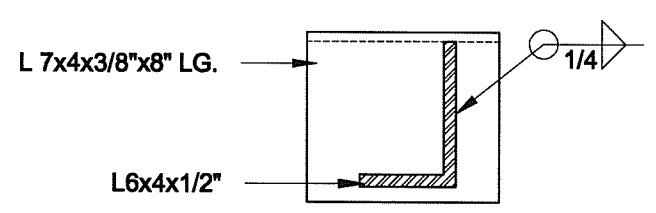
S2



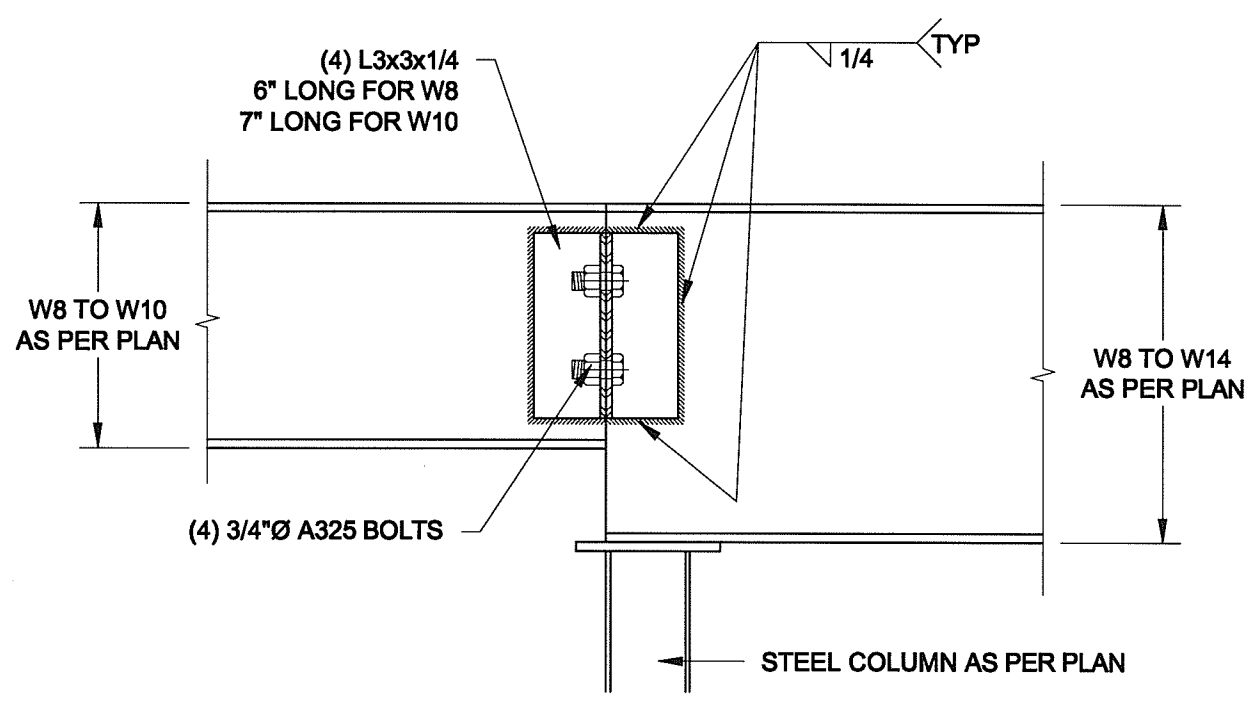
1 STEEL LINTEL AT GABLE
SCALE: 1/2" = 1'-0"





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

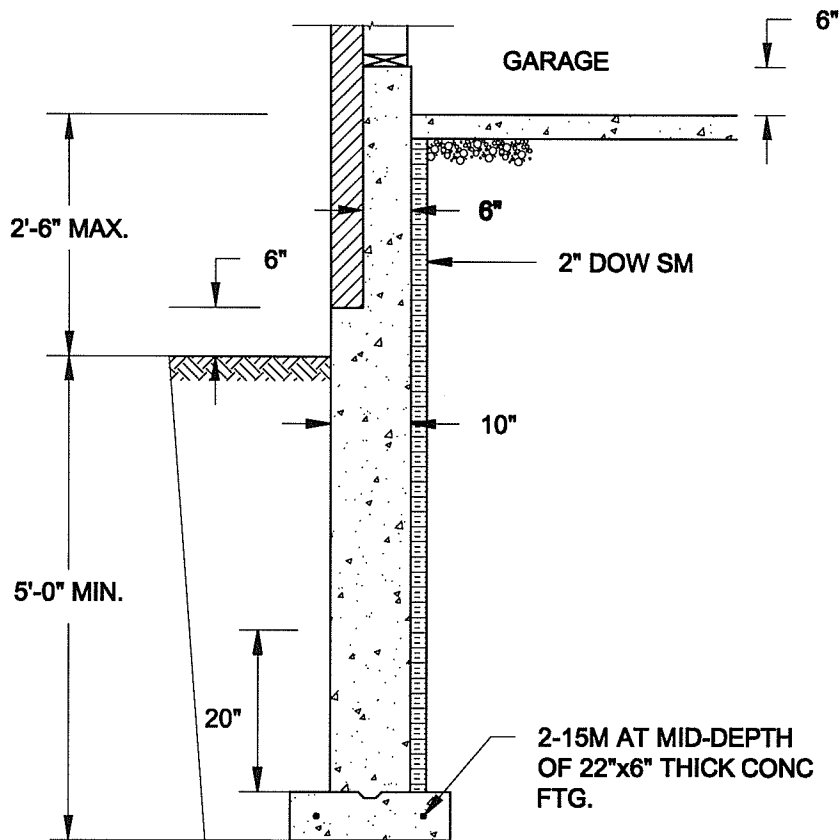


3 INVERTED ANGLE
SCALE: 1 1/2" = 1'-0"



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

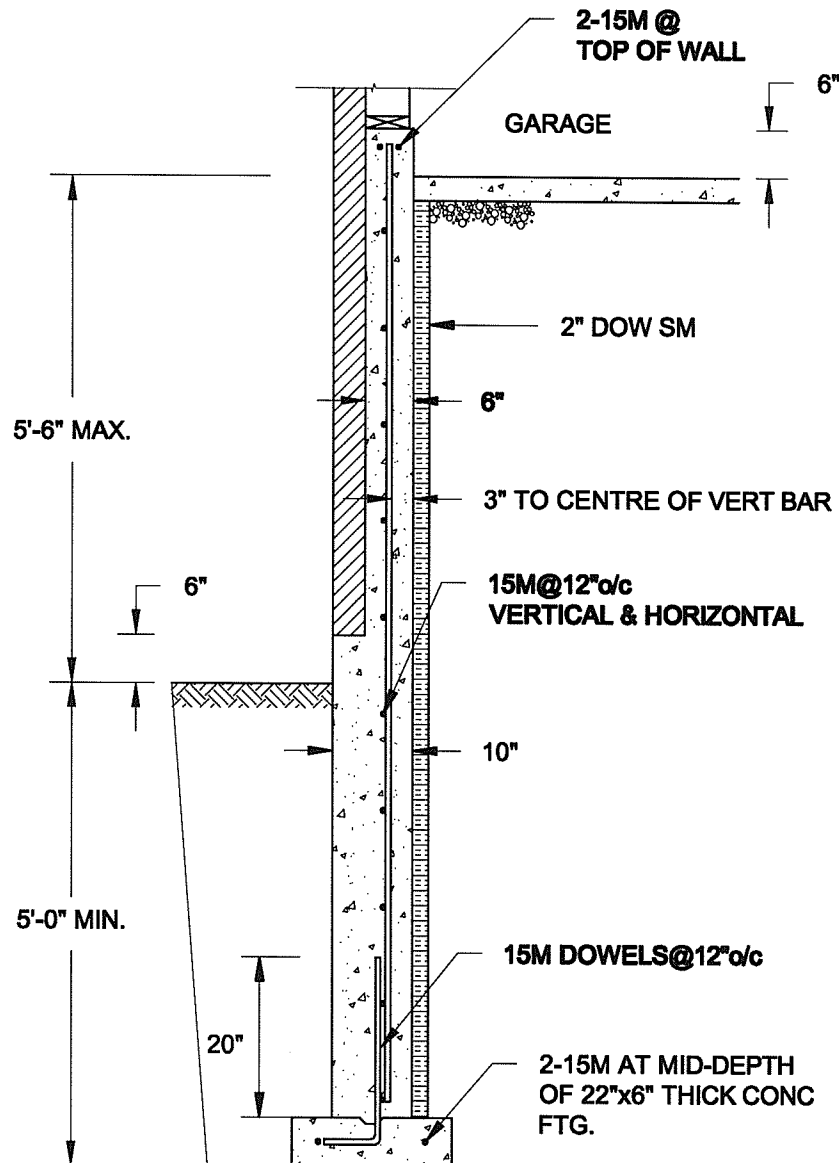
Scale: AS NOTED		QUAILE ENGINEERING LTD.  38 Parkside Drive, UNIT 7 Newmarket, ON L3Y 8J9 T: 905-853-8547 E: quaile.eng@rogers.com	Engineer's Seal:  MAY 30, 2016	Project: BAYVIEW WELLINGTON HOMES - GREEN VALLEY ESTATES PROJECT BRADFORD, ONTARIO	
Date: MAY-31-2016			TYPICAL STRUCTURAL DETAILS FOR SINGLES		
Drawn: SC	Checked: SJB		Project No.: 16-102	Drawing No.: S3	



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

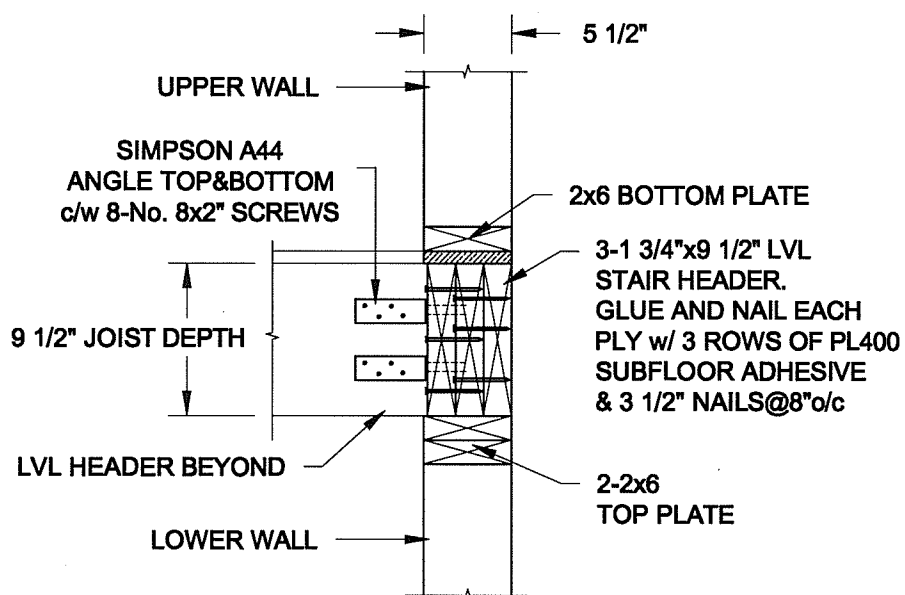
NOTE:

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.

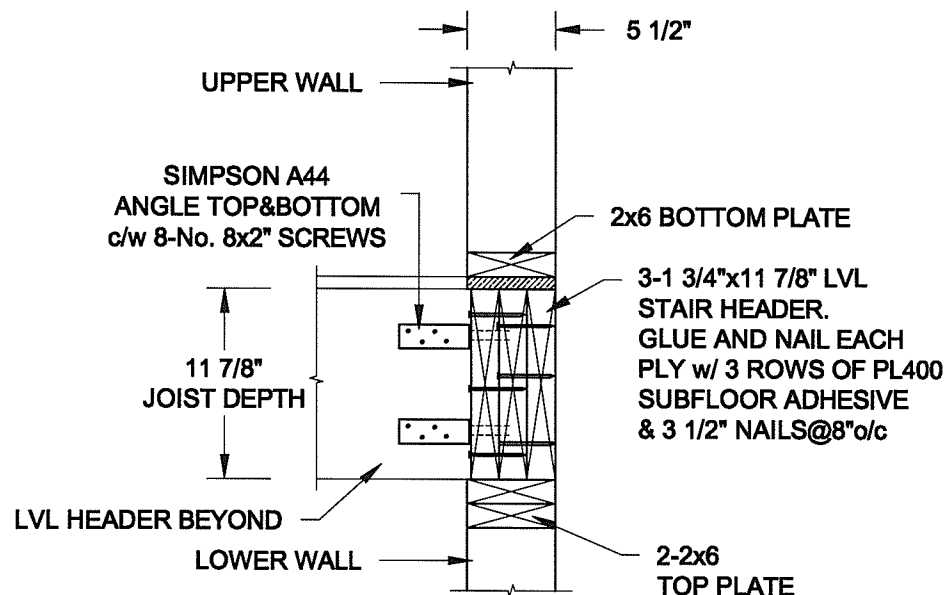


1B
S4 **REINFORCED BRICKSHELF**
SCALE: 1/2" = 1'-0"

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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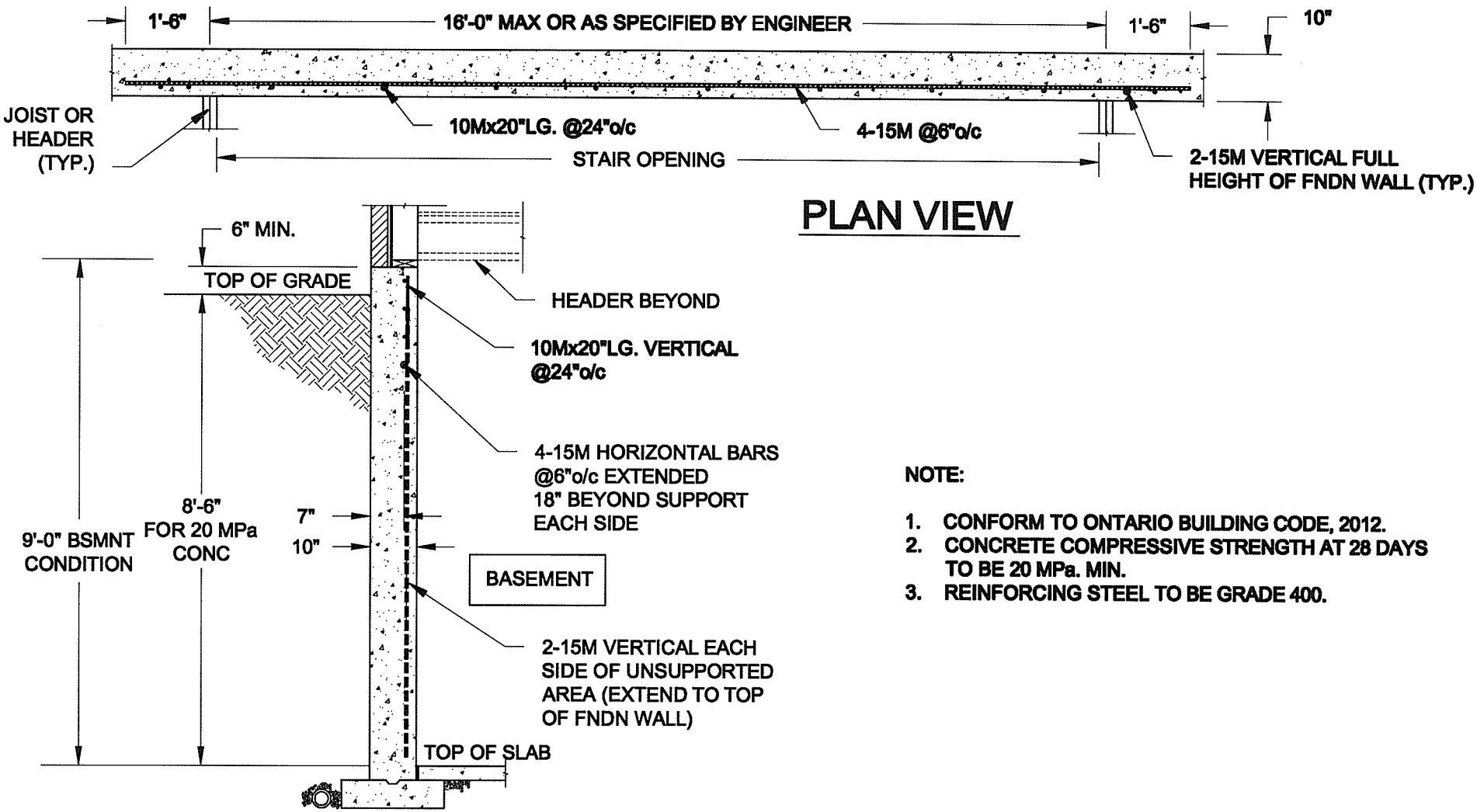
TYPICAL STRUCTURAL DETAILS FOR SINGLES

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		QUAILE ENGINEERING LTD.  38 Parkside Drive, UNIT 7 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	
Date: MAY-31-2016				TYPICAL STRUCTURAL DETAILS FOR SINGLES	
Drawn: SC	Checked: SJB			Project No.: 16-102	Drawing No.: S5