

24"x8" THICK
CONC. FOOTING
UNDER PARTYWALL

32"x12" THICK
CONC. FOOTING
UNDER FIREWALL

SOIL TO HAVE MIN
ALLOWABLE
BEARING CAPACITY
OF 150KPa (TYP)

22"x6" THICK
CONC. FOOTING
UNDER EXTERIOR
WALL (TYP)

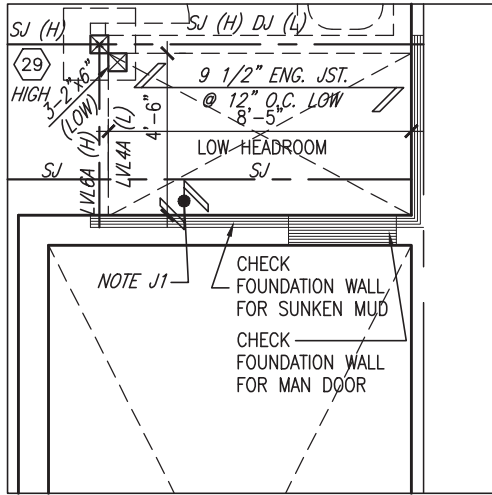
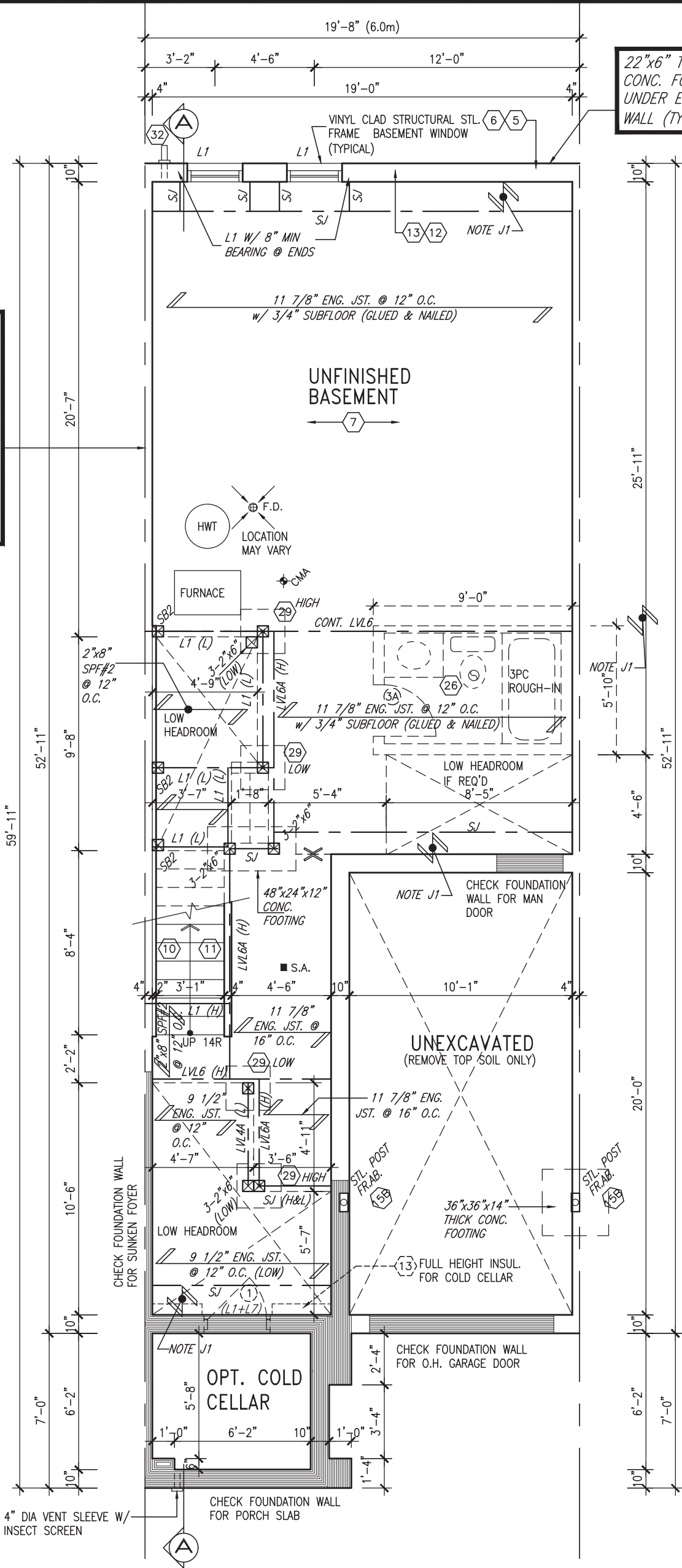
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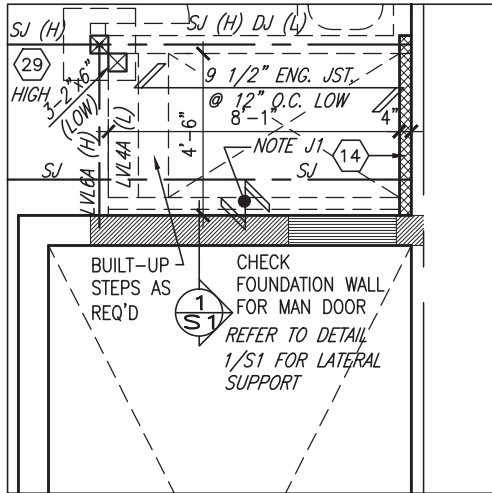
JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW
AND APPROVAL

APPROVED BY: _____
DATE: Jun. 11, 2018

This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.



PARTIAL PLAN
SUNKEN 1R COND



PARTIAL PLAN SUNKEN
2R OR MORE COND



JUNE 7, 2018

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

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

BASEMENT PLAN 'A'

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

ENGINEERED FLOOR SUBFLOORS
ALL SUBFLOORS TO BE 3/4" PLYWOOD AND TO BE GLUED AND NAILED ON THIS FLOOR FOR ENGINEERED JOIST ONLY.

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7.	.	.	.
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4.	REVISED AS PER ENG'S COMMENTS	MAY 24-18	RC
3.	REV. AS PER FLOOR TRUSS CO-ORD.	MAY 10/18	.
2.	REV. AS PER ROOF TRUSS CO-ORD.	APR. 20/18	WT
1.	IMPORTED FROM 13045 TO 16023	10-03-17	AJE
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
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.

**VA3
DESIGN**

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

BAYVIEW WELLINGTON

**TH-4
NAPA 4**

project name	GREEN VALLEY EAST	municipality	BRADFORD	project no.	16023
date	MAR. 2017	checked by	AJE	scale	3/16" = 1'-0"
drawn by	AJE	file name	16023-TH-4	drawing no.	1
RICHARD - H:\ARCHIVE\WORKING\2016\16023.BW\Units\6.0M TOWNS\16023-TH-4.dwg - Wed - Jun 6 2018 - 9:00 AM					

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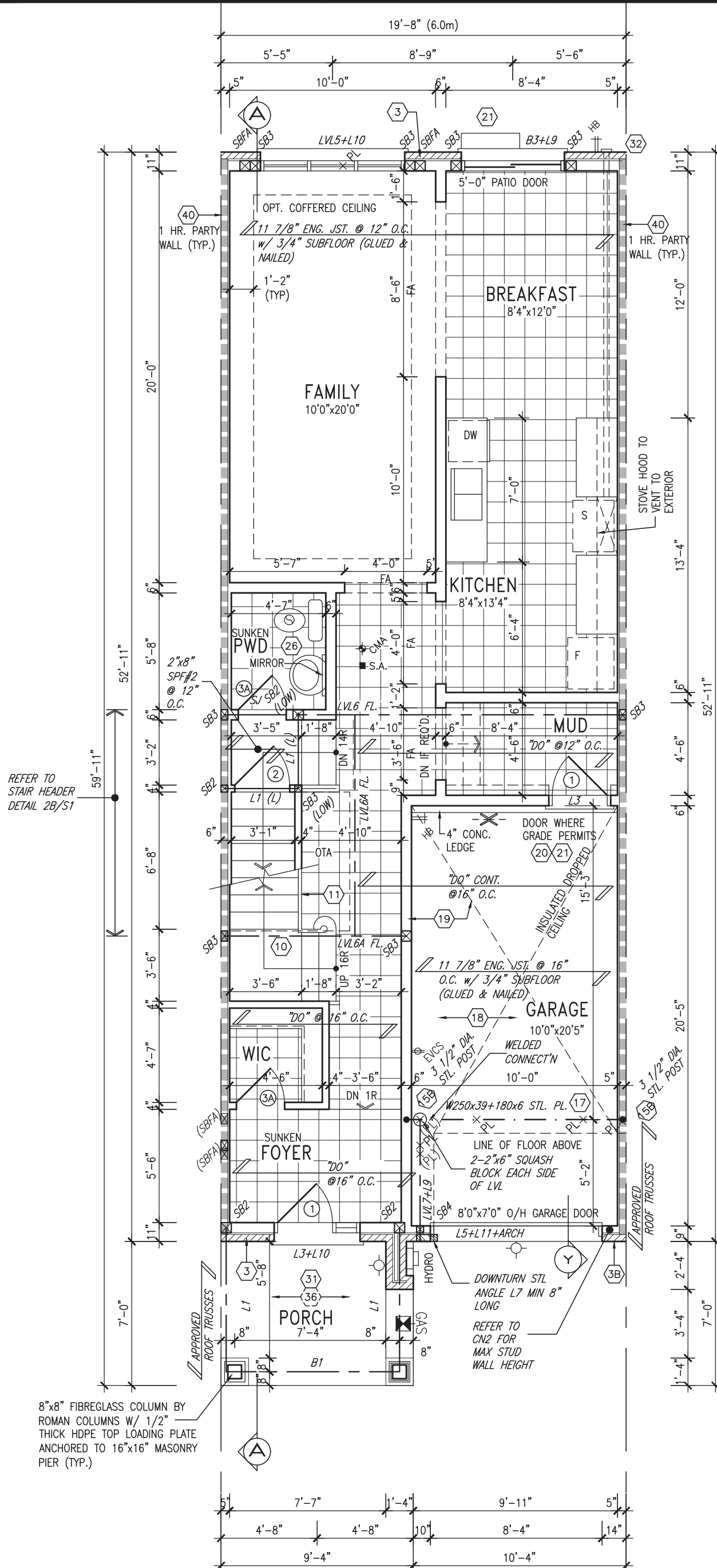
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INDICATES FIRE RATED WALL ASSEMBLY



 **ELECTRIC VEHICLE CHARGING SYSTEM (EVCs)**
ROUGH-IN FOR FUTURE ELECTRIC VEHICLE SUPPLY
EQUIPMENT (CHARGING SYSTEM) TO BE INSTALLED.
ROUGH-IN SHALL INCLUDE:

- A minimum 200 amp Panelboard,
- Conduit that is not less than 1 1/16" (27mm) trade size,
- A square 4 11/16" (119mm) trade size electrical outlet box.
- Fumeproofed Electrical outlet box to be installed in the Garage or carport or adjacent to driveway.

REFER TO 2012 OBC. 9.34.4.

NOTE:
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DRAWINGS FOR ALL TRUSS-JOIST INFORMATION
AND DETAILS. UNLESS OTHERWISE NOTED.

NOTE:
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BE SPECIFIED BY THE FLOOR TRUSS
MANUFACTURER

<u>AREA CALCULATIONS</u>	<u>ELEV. A/B</u>
GROUND FLOOR AREA	820 SF
SECOND FLOOR AREA	992 SF
SUBTOTAL	1812 SF
DEDUCT ALL OPEN AREAS	15 SF
TOTAL NET AREA	1797 SF (166.94 m2)
FINISHED BSMT AREA	0 SF
COVERAGE W/OUT PORCH	1041 SF (96.71 m2)
COVERAGE W/ PORCH	1106 SF (102.75 m2)

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8.	.	.	.	qualification information
7.	.	.	.	Wellington Jno-Baptiste 25591
6.	.	.	.	name signature BCIN
5.	.	.	.	registration information 42658
4	REVISED AS PER ENG'S COMMENTS	MAY 24-18	RC	VA3 Design Inc.
3	REV. AS PER FLOOR TRUSS CO-ORD.	MAY 10/18	WT	
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no.	description	date	by	

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DESIGN

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Toronto ON M2J 1R4
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vg3design.com

BAYVIEW WELLINGTON

TH-4
NAPA 4

project name GREEN VALLEY EAST		municipality BRADFORD		project no. 16023	
date MAR. 2017		drawing no. 2			
drawn by AJE		checked by .		scale 3/16" = 1'-0"	
file name 16023-TH-4					
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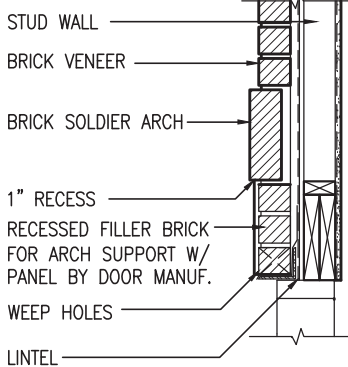
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INDICATES FIRE RATED WALL ASSEMBLY

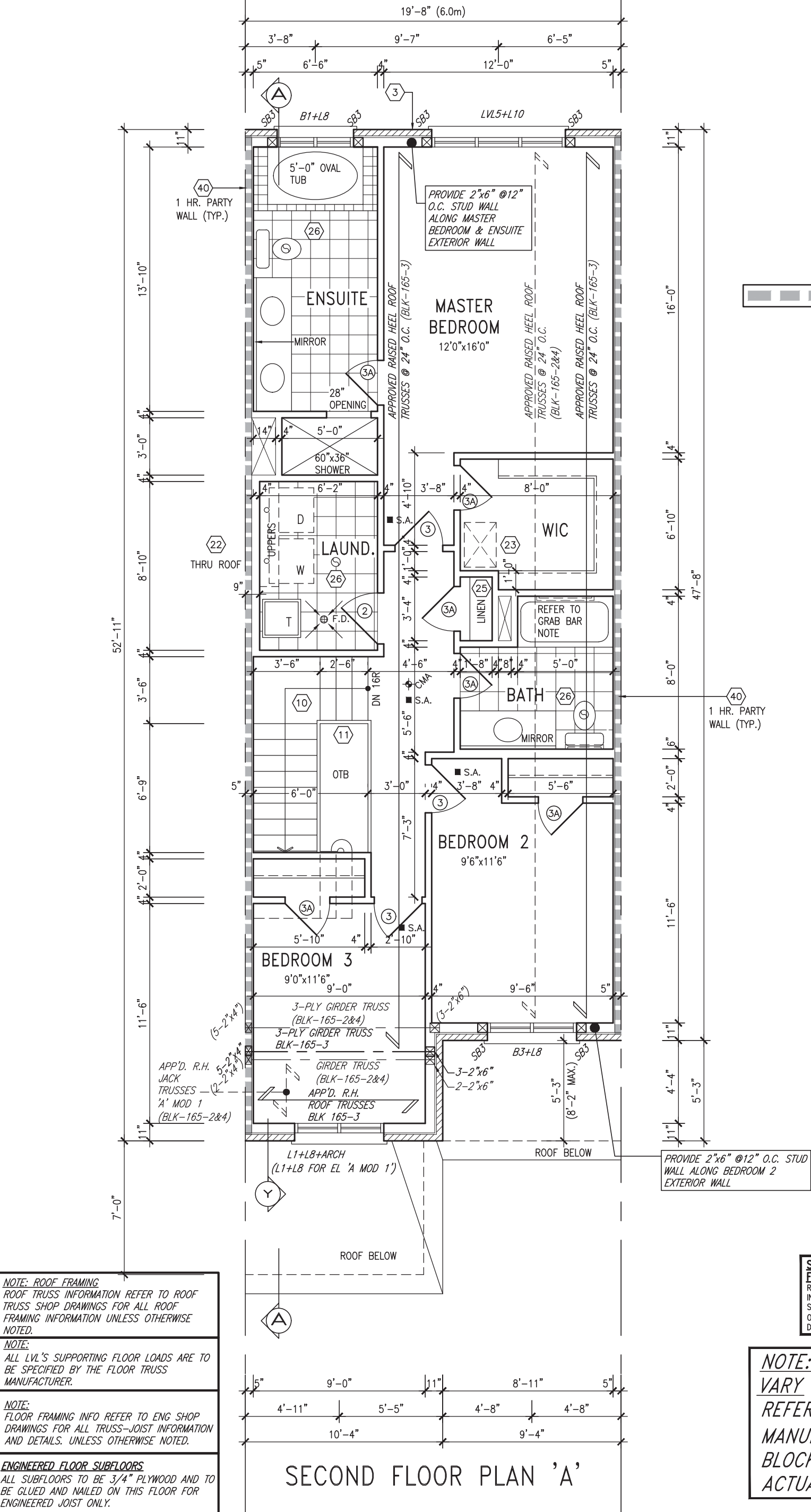


SECTION 'Y' AT
BRICK ARCH N.T.S.



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 AS PER O.B.C. 9.5.2.3, 3.8.3.8.(1)(d), & 3.8.3.13.(1)(f) AND DETAILS PROVIDED

NOTE: ROOF STRUCTURE MAY VARY
REFER TO ROOF TRUSS MANUFACTURERS' BUILDING BLOCK TRUSS LAYOUT FOR ACTUAL ROOF STRUCTURE



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

NOTE:
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NOTE:
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ENGINEERED FLOOR SUBFLOORS
ALL SUBFLOORS TO BE 3/4\"/>

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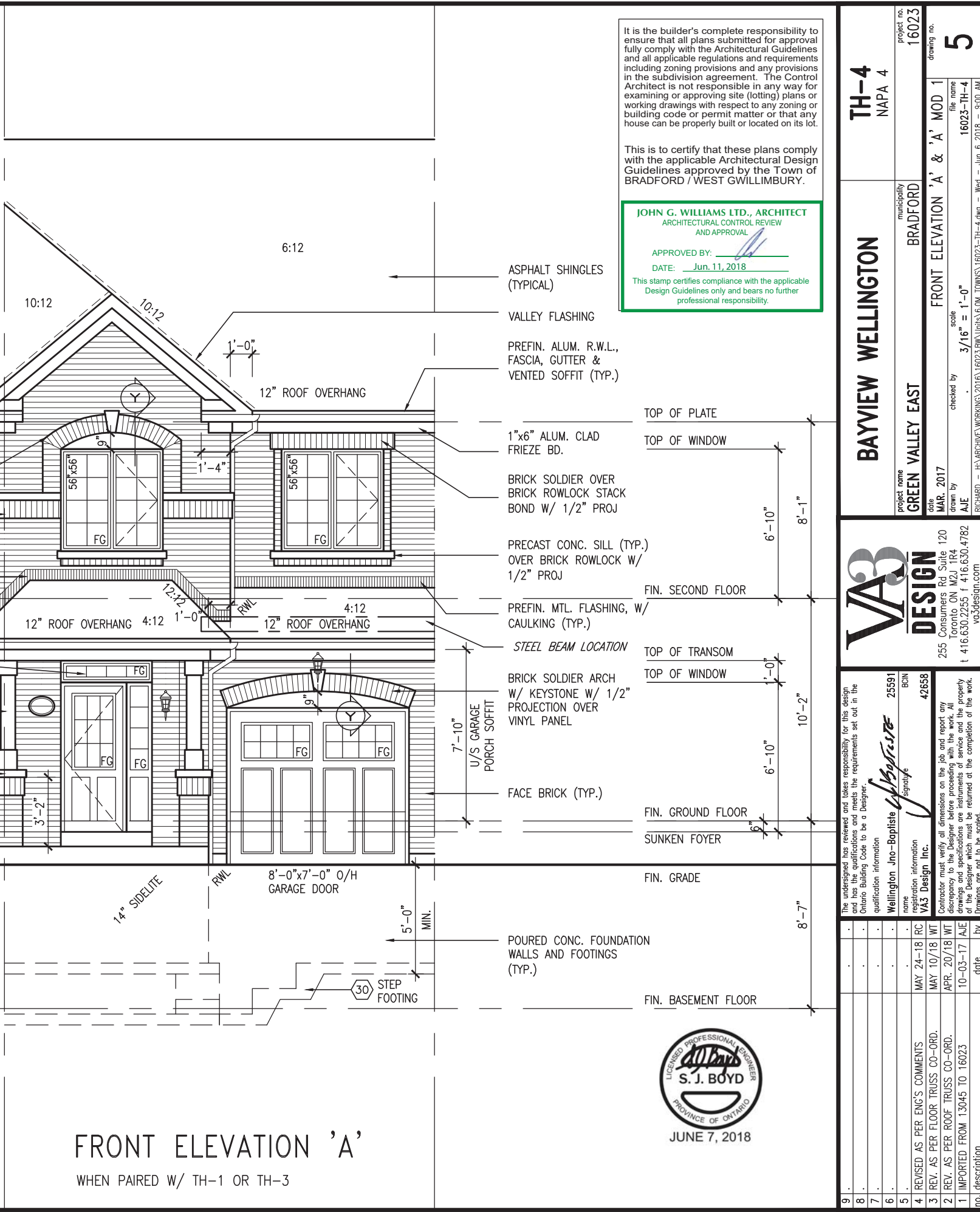
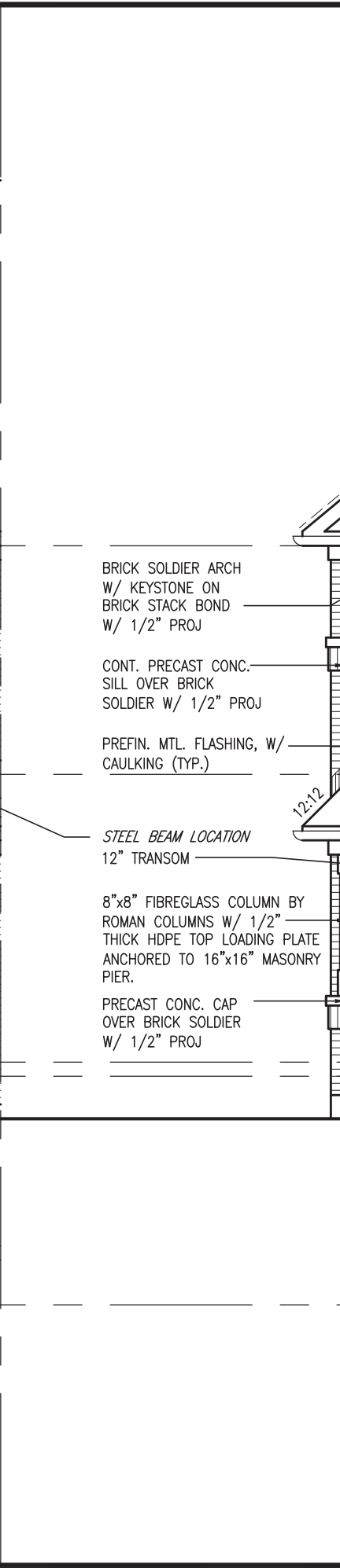
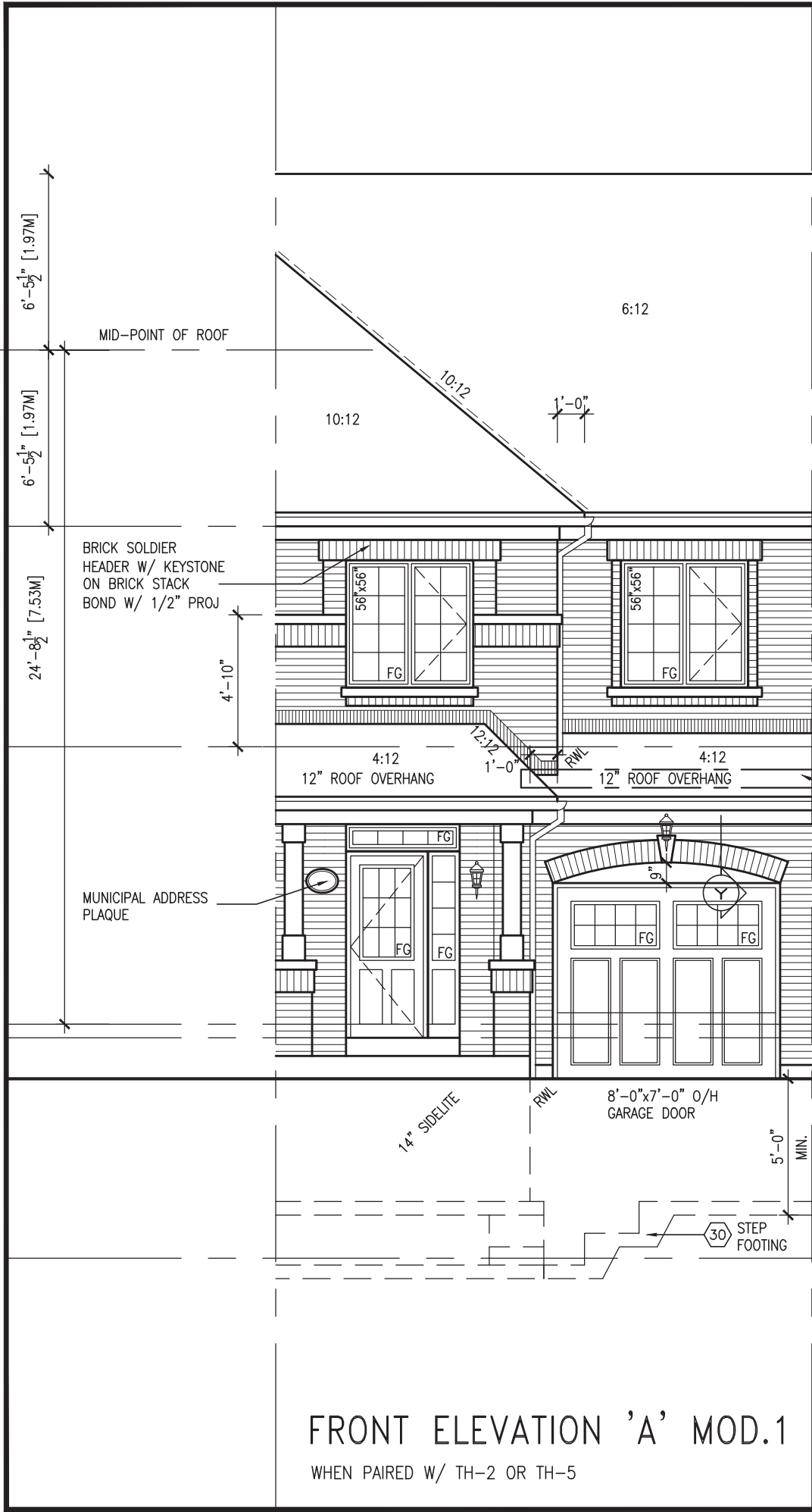
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BAYVIEW WELLINGTON

TH-4
NAPA 4

project name	GREEN VALLEY EAST	municipality	BRADFORD	project no.	16023
date	MAR. 2017	drawn by	AJE	file name	16023-TH-4
checked by	.	scale	3/16" = 1'-0"	drawing no.	3
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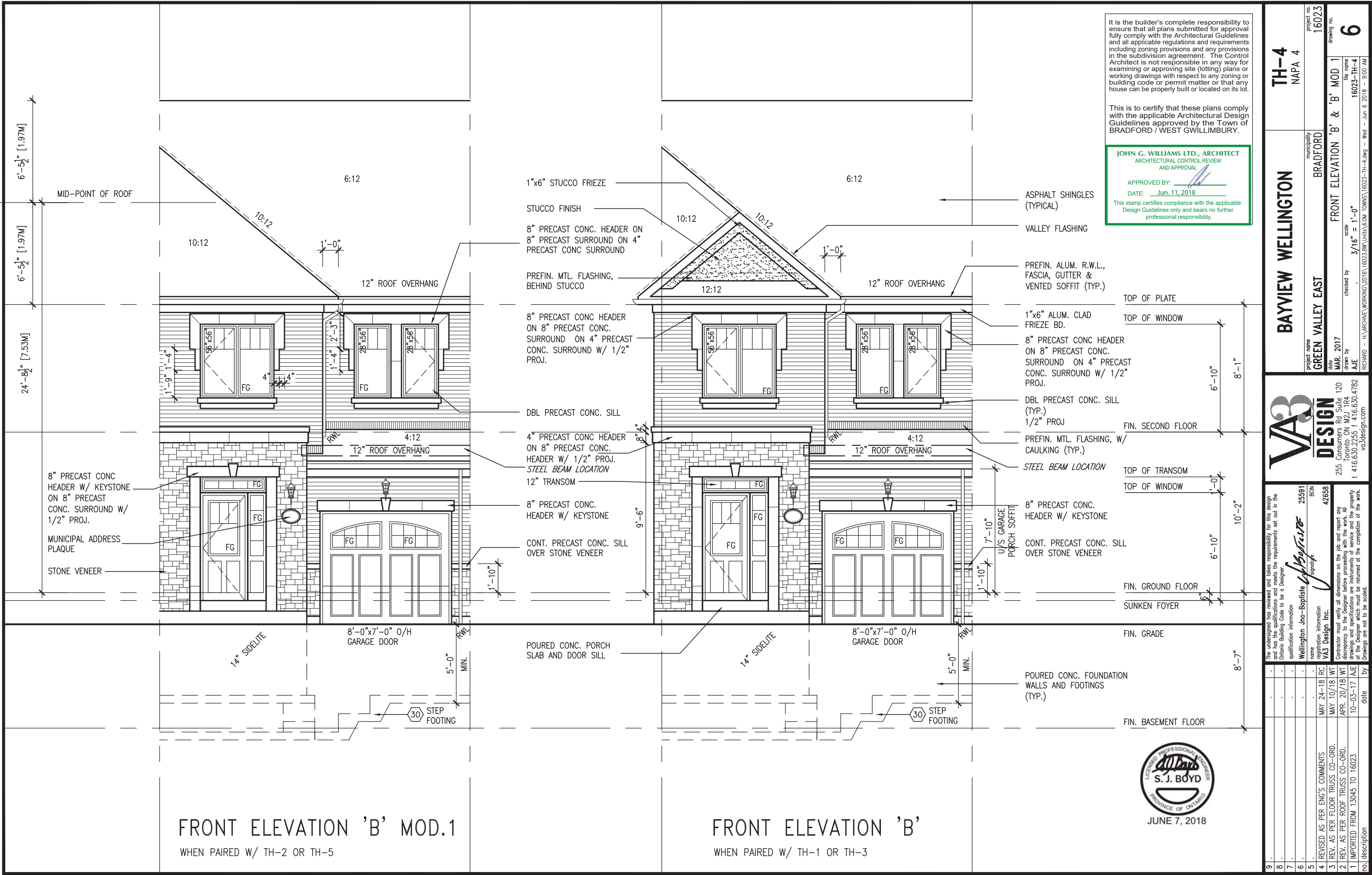
APPROVED BY:

DATE: Jun. 11, 2018

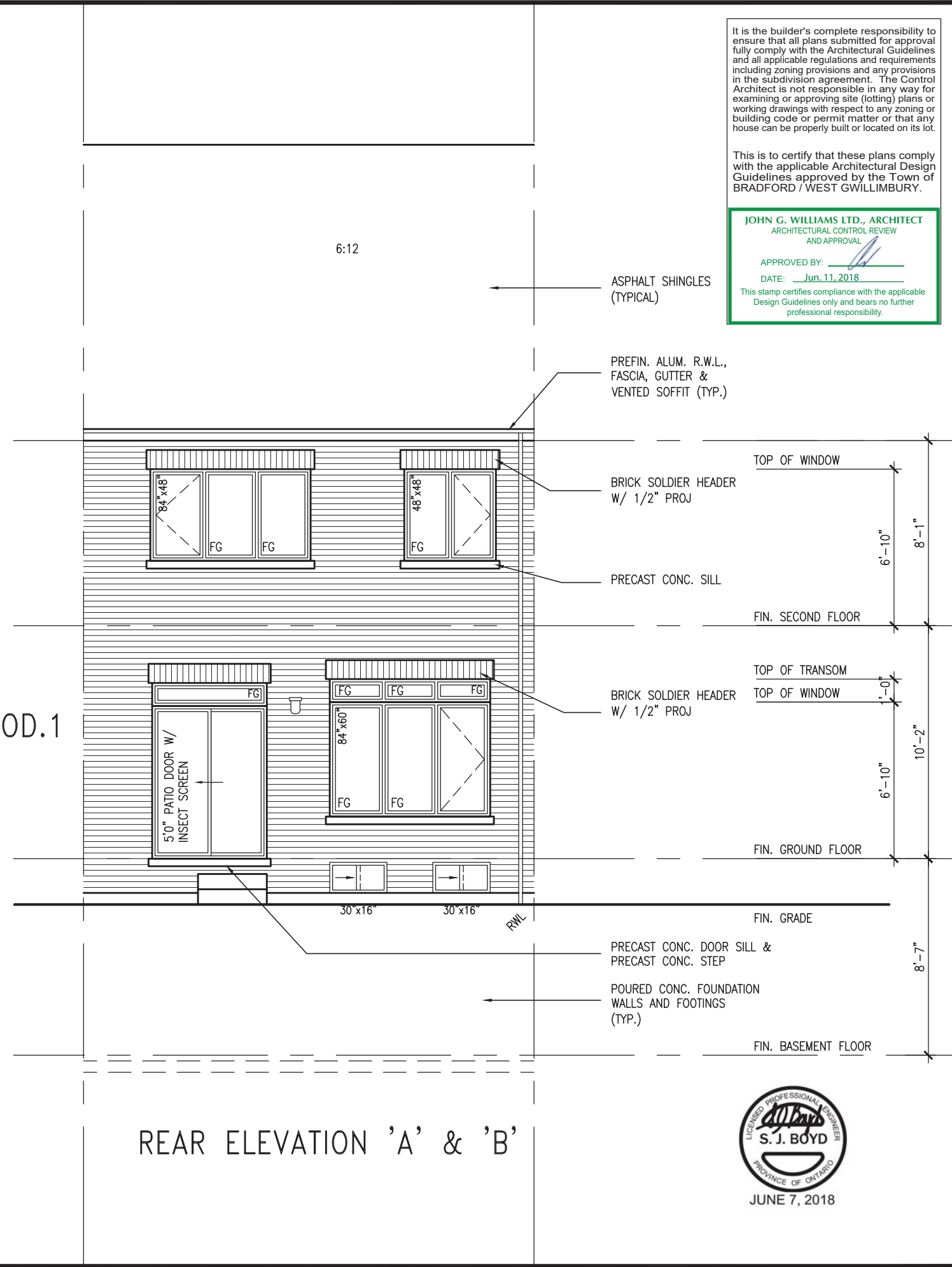
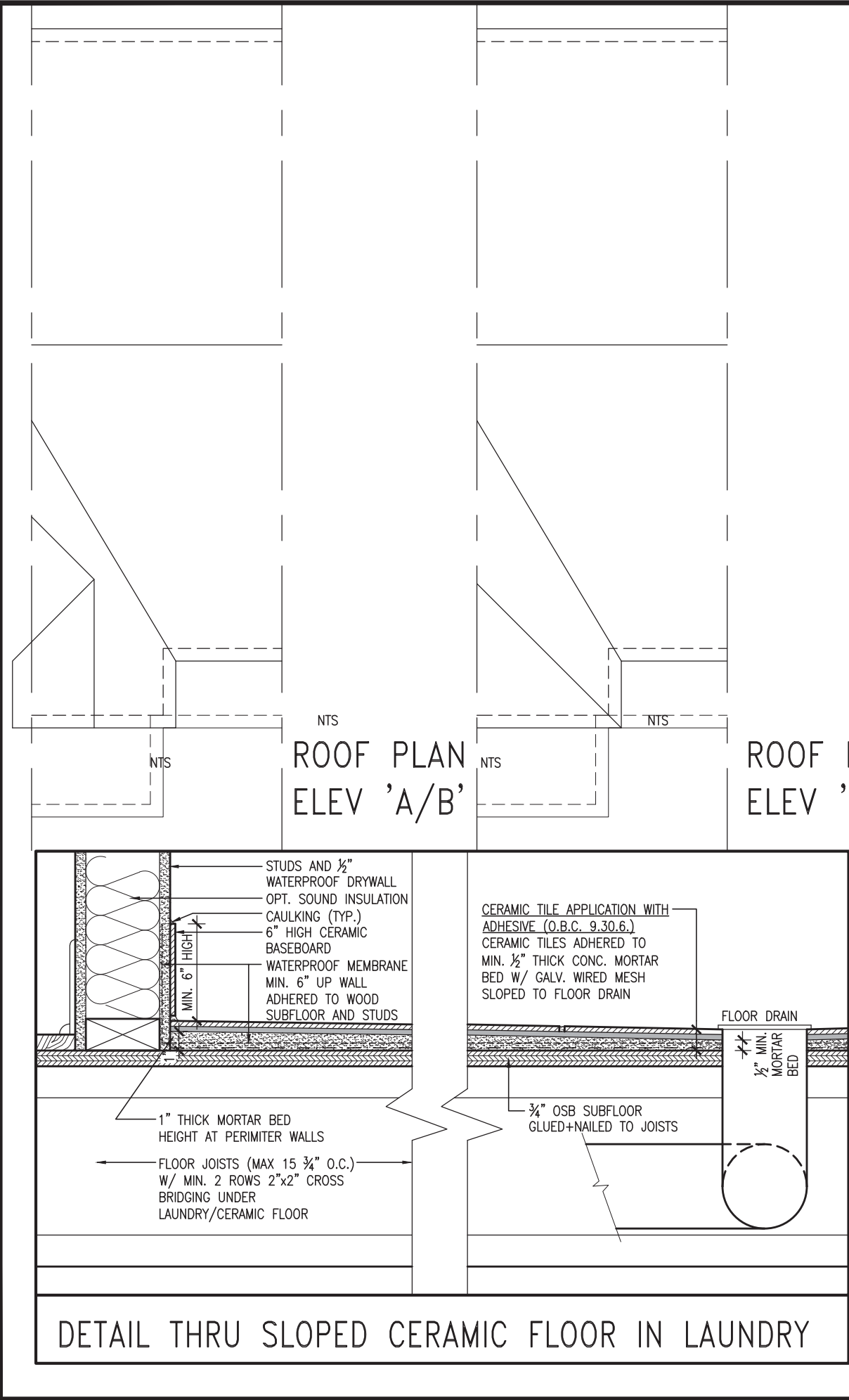
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TH-4		BAYVIEW WELLINGTON		GREEN VALLEY EAST		FRONT ELEVATION 'A' & 'A' MOD 1	
NAPA 4		BRADFORD		MUNICIPALITY		FILE NAME	
16023		16023		16023		16023-TH-4	
drawing no.		drawing no.		drawing no.		drawing no.	
5		5		5		5	
3/16" = 1'-0"		3/16" = 1'-0"		3/16" = 1'-0"		3/16" = 1'-0"	
A/E		A/E		A/E		A/E	
MAR. 2017		MAR. 2017		MAR. 2017		MAR. 2017	
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Wellington Jno-Baptiste		Wellington Jno-Baptiste		Wellington Jno-Baptiste		Wellington Jno-Baptiste	
25591		25591		25591		25591	
BCN		BCN		BCN		BCN	
42658		42658		42658		42658	
VAS Design Inc.		VAS Design Inc.		VAS Design Inc.		VAS Design Inc.	
MAY 24-18 RC		MAY 24-18 RC		MAY 24-18 RC		MAY 24-18 RC	
REVISED AS PER ENG'S COMMENTS		REVISED AS PER ENG'S COMMENTS		REVISED AS PER ENG'S COMMENTS		REVISED AS PER ENG'S COMMENTS	
MAY 10/18 WT		MAY 10/18 WT		MAY 10/18 WT		MAY 10/18 WT	
REV. AS PER FLOOR TRUSS CO-ORD.		REV. AS PER FLOOR TRUSS CO-ORD.		REV. AS PER FLOOR TRUSS CO-ORD.		REV. AS PER FLOOR TRUSS CO-ORD.	
APR. 20/18 WT		APR. 20/18 WT		APR. 20/18 WT		APR. 20/18 WT	
REV. AS PER ROOF TRUSS CO-ORD.		REV. AS PER ROOF TRUSS CO-ORD.		REV. AS PER ROOF TRUSS CO-ORD.		REV. AS PER ROOF TRUSS CO-ORD.	
10-03-17 A/E		10-03-17 A/E		10-03-17 A/E		10-03-17 A/E	
IMPORTED FROM 13045 TO 16023		IMPORTED FROM 13045 TO 16023		IMPORTED FROM 13045 TO 16023		IMPORTED FROM 13045 TO 16023	
date		date		date		date	
by		by		by		by	
description		description		description		description	
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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 GWILLIMBURY.

JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW
AND APPROVAL

APPROVED BY:

DATE: Jun. 11, 2018

This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.



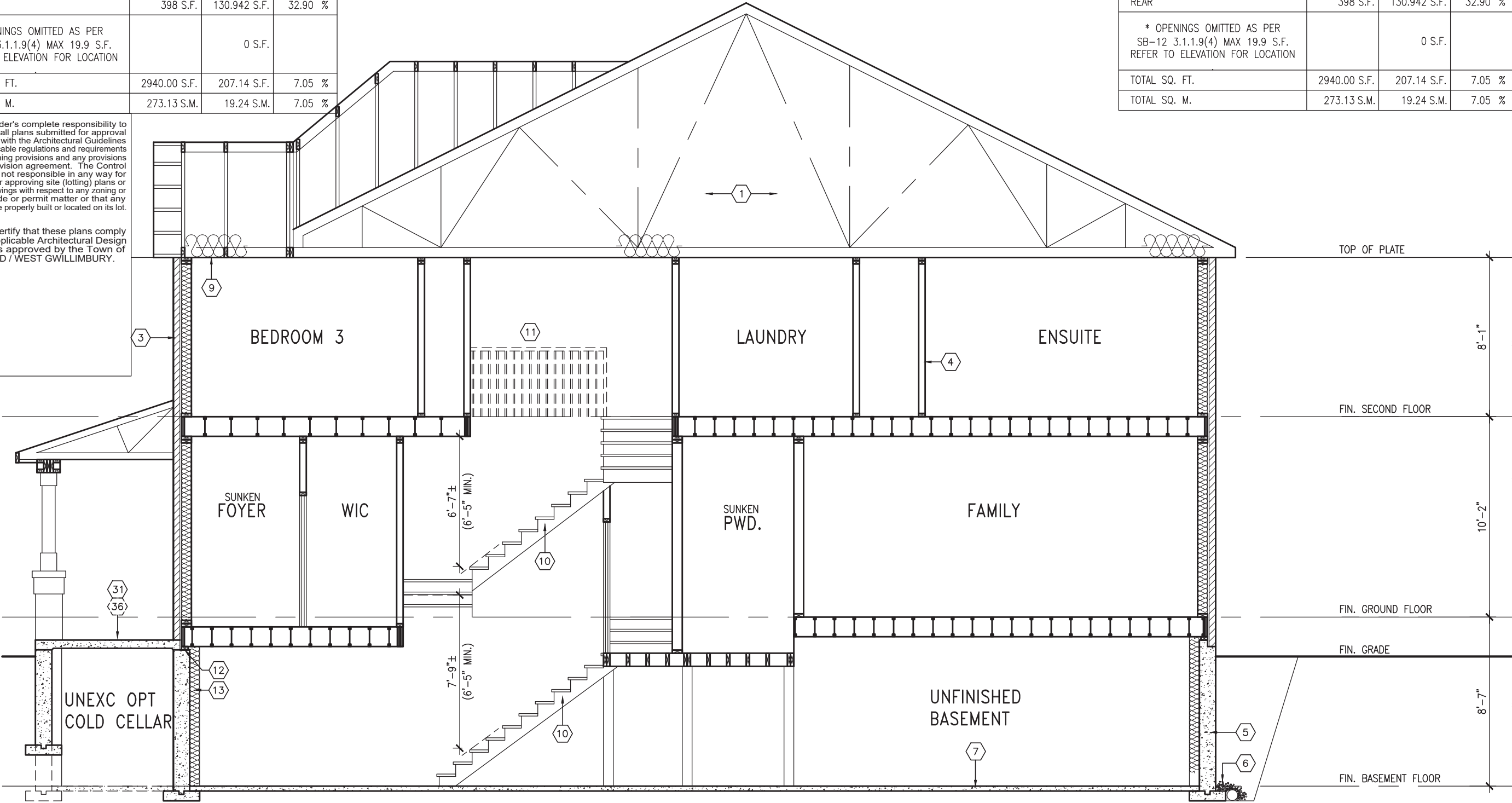
project name		project no.	
BAYVIEW WELLINGTON		16023	
GREEN VALLEY EAST		drawing no.	
TH-4		7	
NAPA 4		file name	
BRADFORD		16023-TH-4	
REAR ELEVATION 'A' & 'B'		date	
MAR. 2017		JUN. 2018	
drawn by		checked by	
AJE		AJE	
scale		3/16" = 1'-0"	
RICHARD - H:\ARCHIVE\WORKING\2016\16023\BAYVIEW\Units\6.0M TOWNS\16023-TH-4.dwg - Wed - Jun 6 2018 - 9:00 AM		no. description	
1		IMPORTED FROM 13045 TO 16023	
2		REV. AS PER ROOF TRUSS CO-ORD.	
3		REV. AS PER FLOOR TRUSS CO-ORD.	
4		REVISED AS PER ENG'S COMMENTS	
5		MAY 24-18 RC	
6		MAY 10/18 WT	
7		APR. 20/18 WT	
8		10-03-17 AJE	
9		date by	

UNINSULATED OPENINGS (PER OBC. SB-12,3.1.1(7))			
TH-4 ELEVATION 'A' & 'A' MOD 1	ENERGY EFFICIENCY - OBC SB12		
ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE
FRONT	398 S.F.	76.194 S.F.	19.14 %
LEFT SIDE	1072 S.F.	0 S.F.	0.00 %
RIGHT SIDE	1072 S.F.	0 S.F.	0.00 %
REAR	398 S.F.	130.942 S.F.	32.90 %
* OPENINGS OMITTED AS PER SB-12 3.1.1.9(4) MAX 19.9 S.F. REFER TO ELEVATION FOR LOCATION			
TOTAL SQ. FT.	2940.00 S.F.	207.14 S.F.	7.05 %
TOTAL SQ. M.	273.13 S.M.	19.24 S.M.	7.05 %

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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 GWILLIMBURY.

UNINSULATED OPENINGS (PER OBC. SB-12,3.1.1(7))			
TH-4 ELEVATION 'B' & 'B' MOD 1	ENERGY EFFICIENCY - OBC SB12		
ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE
FRONT	398 S.F.	76.194 S.F.	19.14 %
LEFT SIDE	1072 S.F.	0 S.F.	0.00 %
RIGHT SIDE	1072 S.F.	0 S.F.	0.00 %
REAR	398 S.F.	130.942 S.F.	32.90 %
* OPENINGS OMITTED AS PER SB-12 3.1.1.9(4) MAX 19.9 S.F. REFER TO ELEVATION FOR LOCATION			
TOTAL SQ. FT.	2940.00 S.F.	207.14 S.F.	7.05 %
TOTAL SQ. M.	273.13 S.M.	19.24 S.M.	7.05 %



SECTION 'A-A'

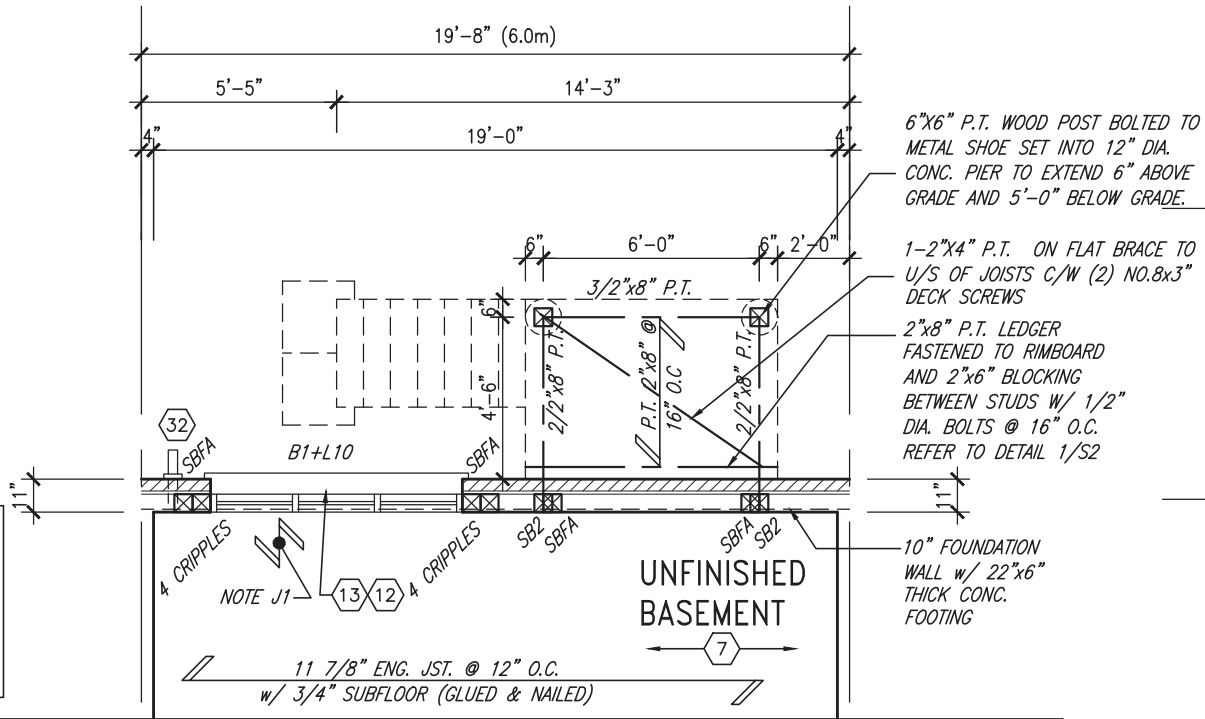


project name		project no.	
BAYVIEW WELLINGTON		16023	
GREEN VALLEY EAST		drawing no.	
NAPA 4		8	
municipality		BRADFORD	
date		MAR. 2017	
drawn by		AJE	
checked by		3/16" = 1'-0"	
scale		16023-TH-4	
file name		16023-TH-4	
RICHARD - H:\ARCHIVE\WORKING\2016\16023.BW\Units\6.0M\TOWNS\16023-TH-4.dwg - Wed - Jun 6 2018 - 9:00 AM		CROSS SECTION A-A	
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.		signature	
Wellington Jno-Baptiste		25591	
name		BCN	
registration information		42658	
VAS 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.		date	
REVISED AS PER ENG'S COMMENTS		MAY 24-18 RC	
REV. AS PER FLOOR TRUSS CO-ORD.		MAY 10/18 WT	
REV. AS PER ROOF TRUSS CO-ORD.		APR. 20/18 WT	
IMPORTED FROM 13045 TO 16023		10-03-17 AJE	
no. description		by	

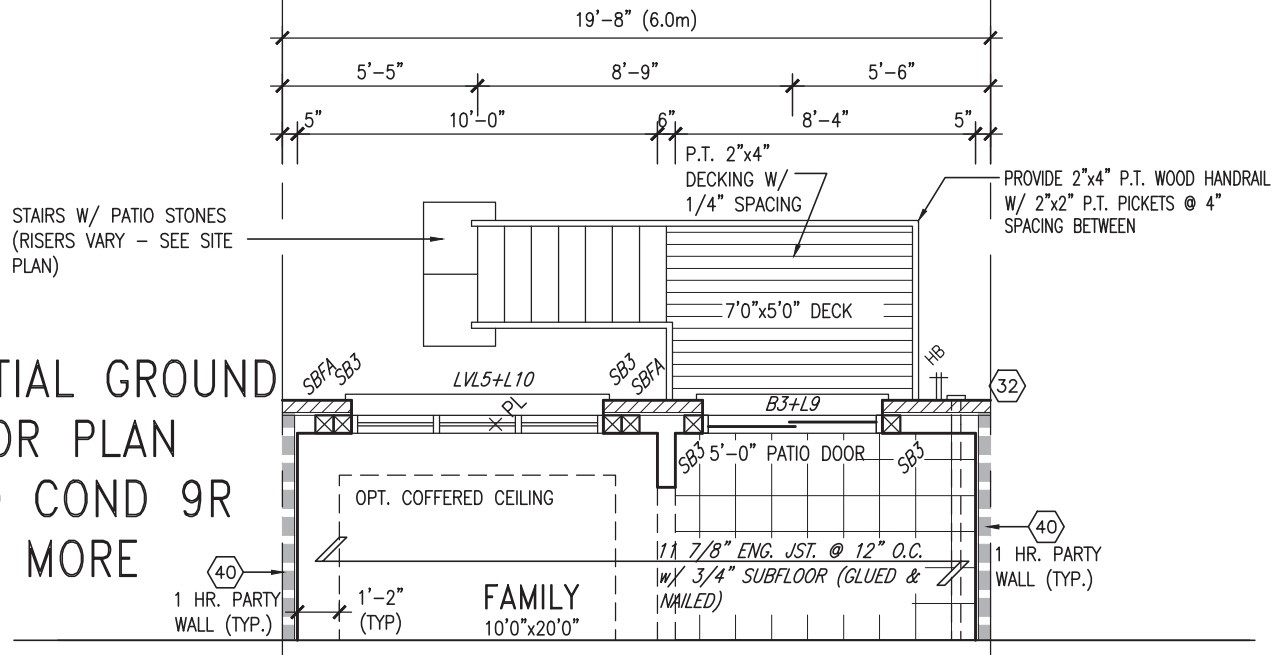
UNINSULATED OPENINGS (PER OBC. SB-12,3.1.1(7))				UNINSULATED OPENINGS (PER OBC. SB-12,3.1.1(7))			
TH-4 ELEV. 'A' & 'A' MOD 1 WOD	ENERGY EFFICIENCY - OBC SB12			TH-4 ELEVATION 'B' & 'B' MOD 1 WOD	ENERGY EFFICIENCY - OBC SB12		
ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE	ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE
FRONT	398 S.F.	76.194 S.F.	19.14 %	FRONT	398 S.F.	76.194 S.F.	19.14 %
LEFT SIDE	1072 S.F.	0 S.F.	0.00 %	LEFT SIDE	1072 S.F.	0 S.F.	0.00 %
RIGHT SIDE	1072 S.F.	0 S.F.	0.00 %	RIGHT SIDE	1072 S.F.	0 S.F.	0.00 %
REAR	477 S.F.	145.00 S.F.	30.40 %	REAR	477 S.F.	145.00 S.F.	30.40 %
* OPENINGS OMITTED AS PER SB-12 3.1.1.9(4) MAX 19.9 S.F. REFER TO ELEVATION FOR LOCATION				* OPENINGS OMITTED AS PER SB-12 3.1.1.9(4) MAX 19.9 S.F. REFER TO ELEVATION FOR LOCATION			
TOTAL SQ. FT.	3019.00 S.F.	221.19 S.F.	7.33 %	TOTAL SQ. FT.	3019.00 S.F.	221.19 S.F.	7.33 %
TOTAL SQ. M.	280.47 S.M.	20.55 S.M.	7.33 %	TOTAL SQ. M.	280.47 S.M.	20.55 S.M.	7.33 %



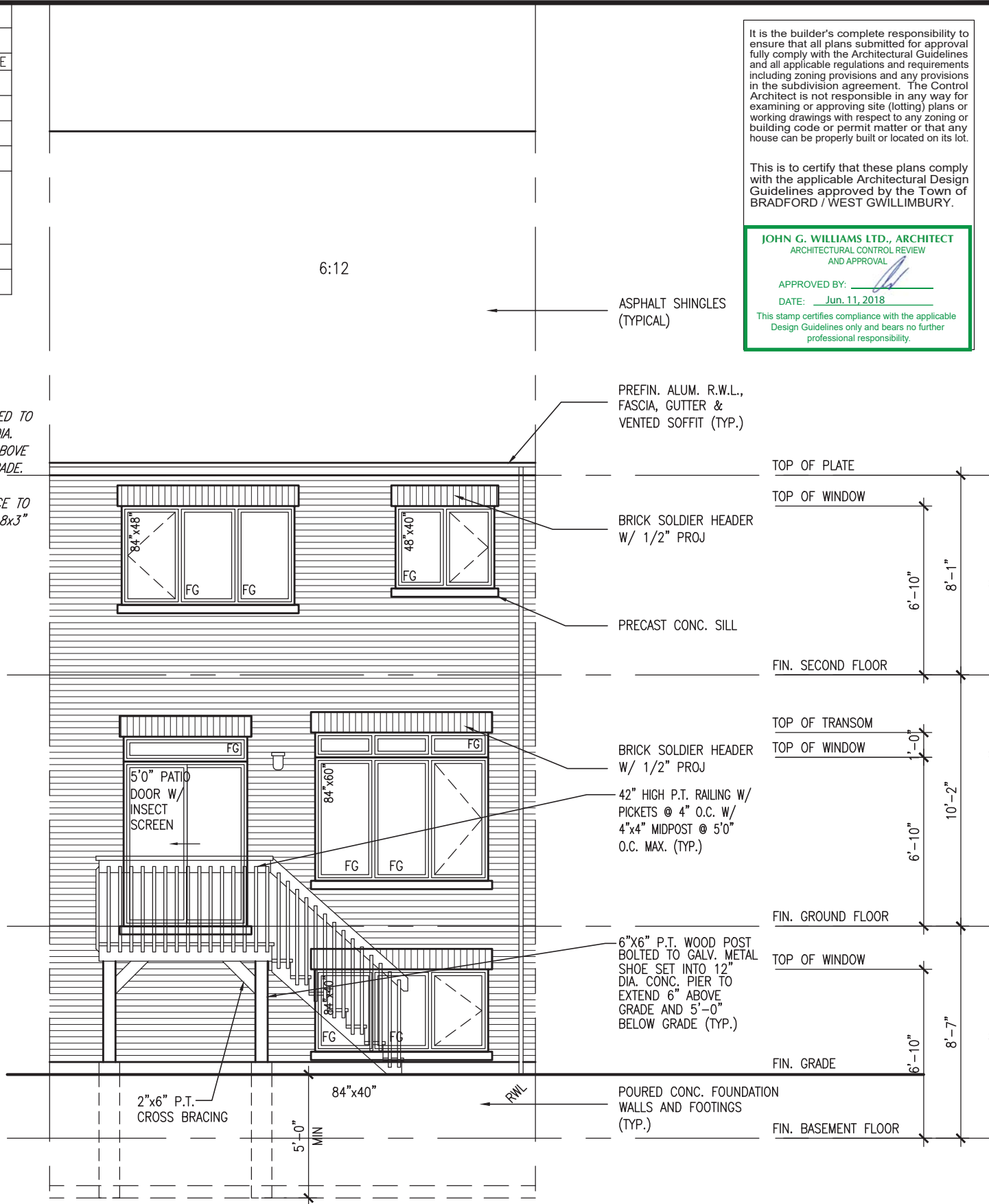
10" FOUNDATION WALL ON 22"x6" THICK CONC. FTG UNDER ALL 2"x6" KNEEWALL AS REQ'D BY GRADING - SEE DETAILS
MAX BACKFILL HEIGHT: 4'-7" FOR 10" FNDN. WALL W/ KNEEWALL ON TOP



PARTIAL BASEMENT PLAN
WOD COND 9R AND MORE



PARTIAL GROUND FLOOR PLAN
WOD COND 9R AND MORE



REAR ELEVATION 'A & B'
WOD COND 9R AND MORE

FOR 4-8 RISER WALK OUT DECK CONDITION WINDOW SIZE 30"x24"

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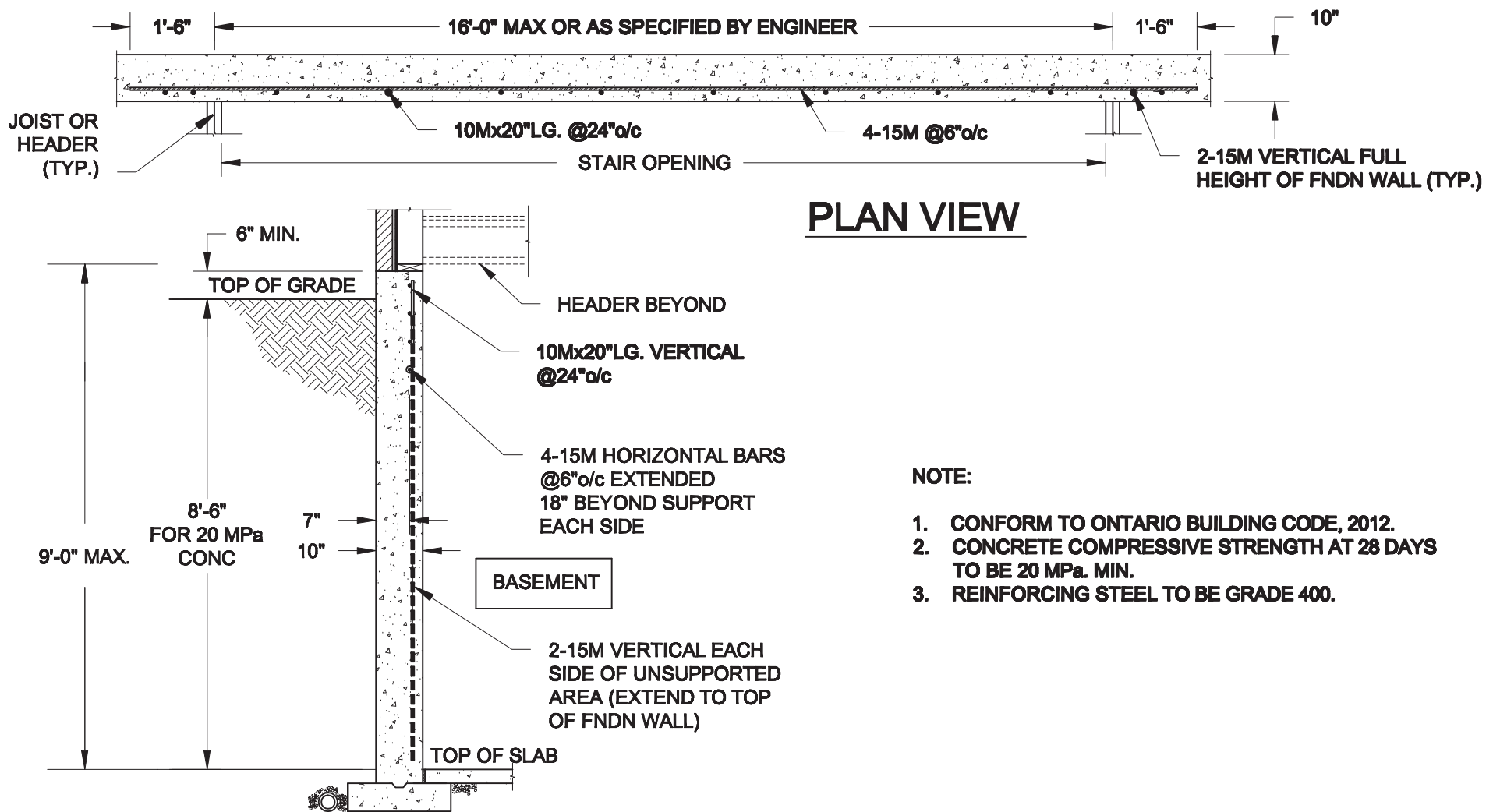
This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the Town of BRADFORD / WEST GWILLIMBURY.

JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW AND APPROVAL

APPROVED BY:
DATE: Jun. 11, 2018

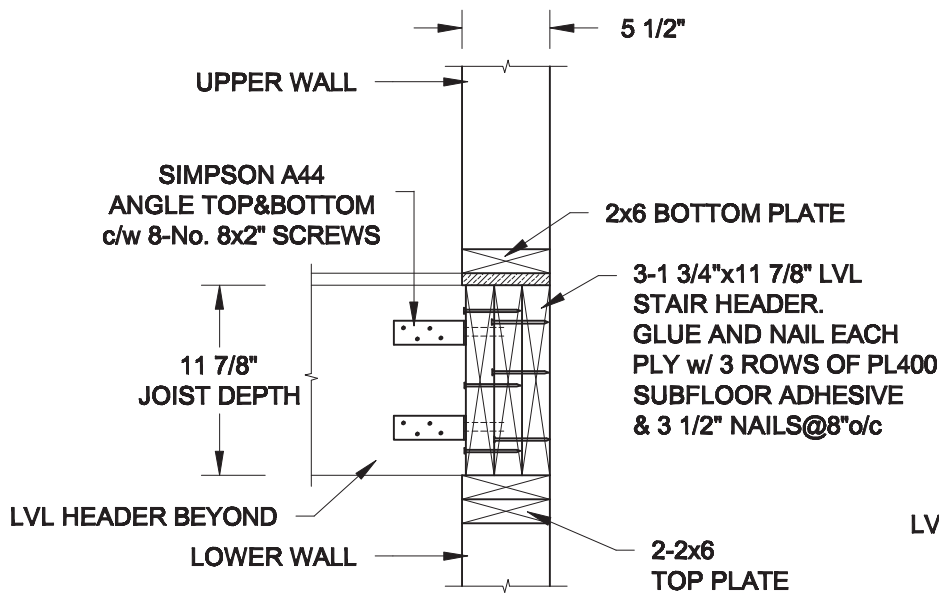
This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.

project no. 16023		drawing no. 9	
project name TH-4 NAPA 4		file name 16023-TH-4	
municipality BRADFORD		checked by A/E	
date MAR. 2017		scale 3/16" = 1'-0"	
project name BAYVIEW WELLINGTON		drawing no. 16023-TH-4	
municipality GREEN VALLEY EAST		checked by A/E	
date MAR. 2017		scale 3/16" = 1'-0"	
project name PARTIAL PLANS & REAR ELEVATION - W.O.D. COND.		checked by A/E	
municipality GREEN VALLEY EAST		scale 3/16" = 1'-0"	
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date MAR. 2017		checked by A/E	
project name PARTIAL PLANS & REAR ELEVATION - W.O.D.			

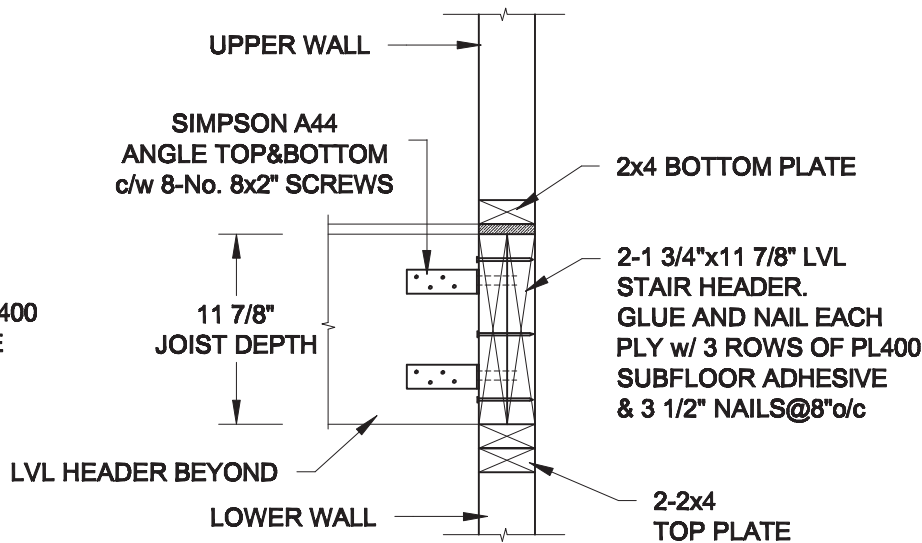


- NOTE:**
1. CONFORM TO ONTARIO BUILDING CODE, 2012.
 2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS TO BE 20 MPa. MIN.
 3. REINFORCING STEEL TO BE GRADE 400.

1
S1 **LATERALLY UNSUPPORTED WALL**
SCALE: 3/8" = 1'-0"



2A
S1 **HEADER @ EXTERIOR WALL**
SCALE: 1" = 1'-0"



2B
S1 **HEADER @ PARTY WALL**
SCALE: 1" = 1'-0"

Scale: AS NOTED	
Date: MAY-31-2018	
Drawn: SC	Checked: SJB

QUAILE ENGINEERING LTD.



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Engineer's Seal:

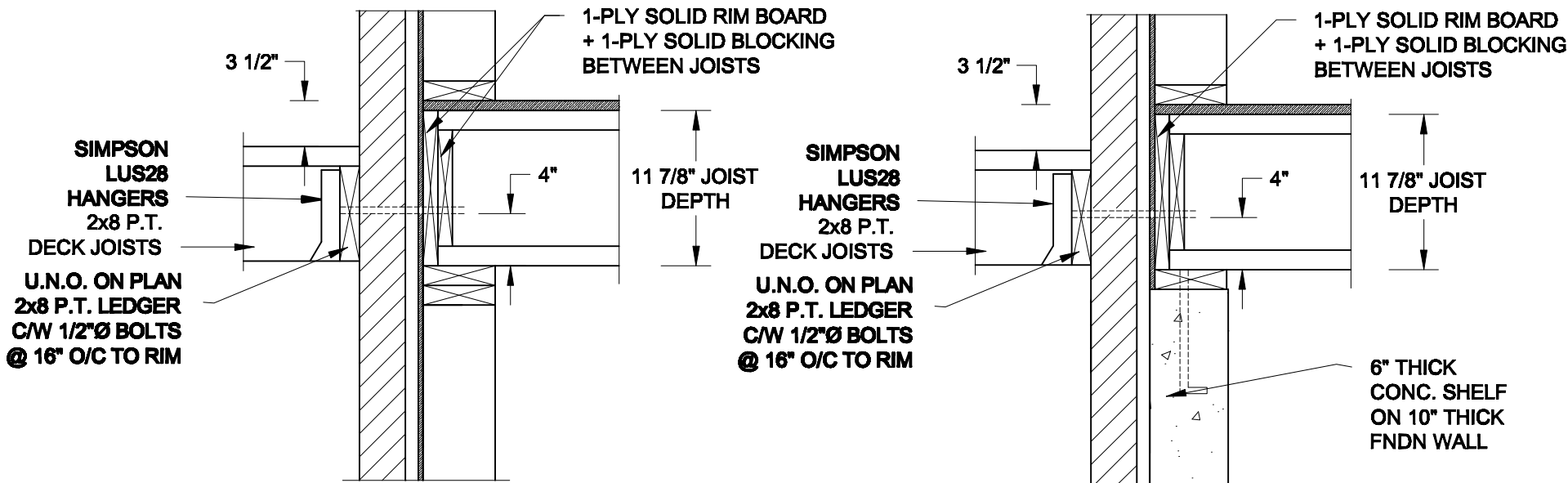


Project:
BAYVIEW WELLINGTON HOMES - GREEN VALLEY EAST TOWNS
BRADFORD, ONTARIO

TYPICAL STRUCTURAL DETAILS

Project No.:
18-085

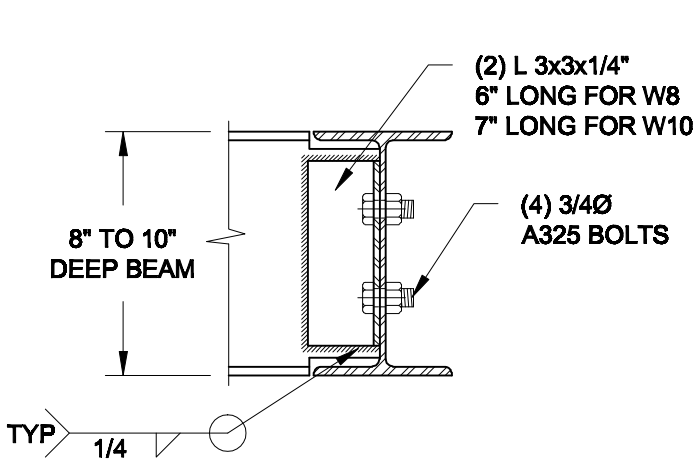
Drawing No.:
S1



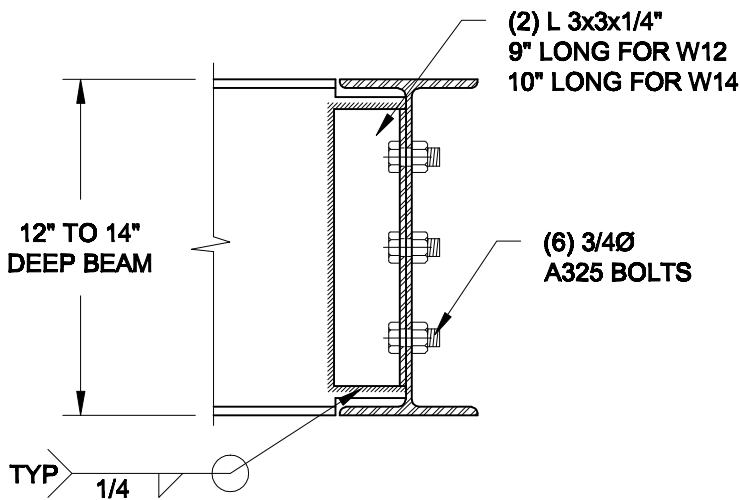
1A
S2 **DECK FASTENING DETAIL**
SCALE: 1" = 1'-0"

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.

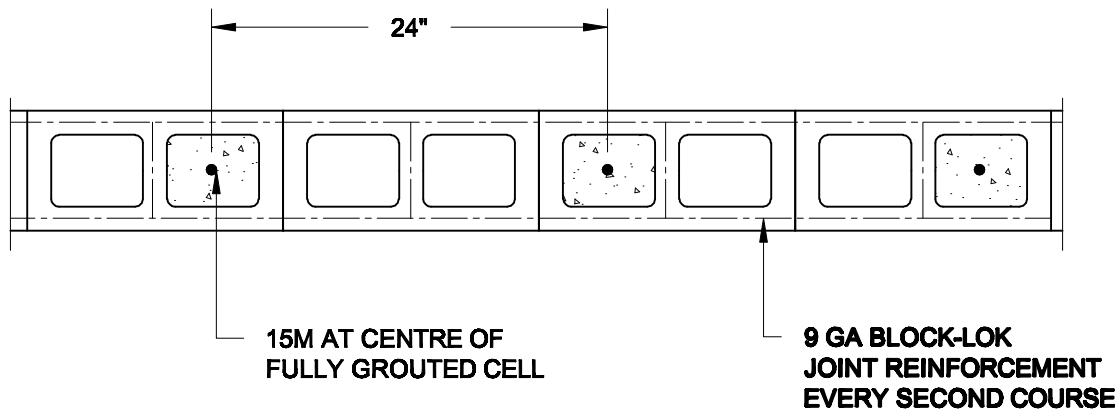


NOTE: DETAIL IS APPLICABLE TO W8x40 (W200x59) BEAM MAX AND W10x39 (W250x58) BEAM MAX.



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

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



3
S2 **PLAN OF FIREWALL AT 2 STOREY CONDITION**
SCALE: 1" = 1'-0"

- NOTES:
1. REINFORCING STEEL TO CONFORM TO CSA G30.18, GRADE 400.
 2. GROUT TO HAVE A COMPRESSIVE STRENGTH OF 20 MPa AT 28 DAYS WITH 10" SLUMP. MAXIMUM AGGREGATE SIZE = 3/8".
 3. LAP VERTICAL BARS 30" AT ANY SPLICES.

Scale: AS NOTED	
Date: MAY-31-2018	
Drawn: SC	Checked: SJB

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Engineer's Seal



Project:
BAYVIEW WELLINGTON HOMES - GREEN VALLEY EAST TOWNS
BRADFORD, ONTARIO

TYPICAL STRUCTURAL DETAILS

Project No.:
18-085

Drawing No.:
S2

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 3.1.1.2.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., RSI 3.87 (R22) 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, CHAPTER 3 FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS.

2A. RESERVED

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., RSI 3.87 (R22) 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, CHAPTER 3 FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS.

3. BRICK VENEER CONSTRUCTION (2"x6") (SB-12-TABLE 3.1.1.2.A)

90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x3"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., RSI 3.87 (R22) 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, CHAPTER 3 FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS. BRICK TO BE MIN. 150mm (6") ABOVE FINISH GRADE.

3A. RESERVED

3B. BRICK VENEER CONSTRUCTION (2"x6")- GARAGE WALLS

90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x3"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") (SB-12-TABLE 3.1.1.2.A)

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., RSI 3.87(R22) INSULATION, APPROVED VAPOUR BARRIER, 13mm (1/2") GYPSUM WALLBOARD, INTERIOR FINISH. REFER TO OBC SB-12, CHAPTER 3 FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS. 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))

250mm (10") POURED CONC. FDTN. WALL 30MPa (4350psi) 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 2820 (9'-3") ON 560x155 (22"x6") CONTINUOUS KEYED CONC. FTG. 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	18" WIDE x 6" DEEP	18" WIDE x 6" DEEP
2	22" WIDE x 6" DEEP	22" WIDE x 6" DEEP
3	28" WIDE x 9" DEEP	22" WIDE x 6" DEEP

-SEE OBC 9.15.3.

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

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

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

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

6. FOUNDATION DRAINAGE OBC. 9.14.2. & 9.14.3.

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

7. BASEMENT SLAB OBC. 9.3.1.6.(1)(b), 9.16.4.5.(1), 9.25.3.3.(15)

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

8. EXPOSED FLOOR TO EXTERIOR (SB-12-TABLE 3.1.1.2.A)

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

9. ATTIC INSULATION (SB-12-TABLE 3.1.1.2.A) (SB-12-3.1.1.8)

RSI 10.56 (R60) BLOWN IN ROOF INSULATION AND APPROVED VAPOUR BARRIER, 16mm (5/8") INT. DRYWALL FINISH OR APPROVED EQUAL. RSI 3.52 (R20) MIN. ABOVE INNER SURFACE OF EXTERIOR WALL

10. ALL STAIRS/EXTERIOR STAIRS -OBC. 9.8.-

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

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

FOR CURVED STAIRS

MIN. RUN	= 150 (6")
MIN. AVG. RUN	= 200 (8")

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-12-3.1.1.7, 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. RSI3.52ci (R20ci) BLANKET INSULATION TO HAVE APPROVED VAPOUR BARRIER, RECOMMEND DAMPPROOF WITH BUILDING PAPER BETWEEN THE FOUNDATION WALL AND INSULATION UP TO GRADE LEVEL. NOTE: FULL HEIGHT INSULATION AT COLD CELLAR WALLS. AIR BARRIER TO BE SEALED TO FOUNDATION WALL WITH CAULKING. CONTINUOUS INSULATION (ci) IS NOT TO BE INTERRUPTED BY FRAMING.

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.

STEEL BASEMENT COLUMN (SEE O.B.C. 9.15.3.3)

89mm (3-1/2") DIA x 3.0mm (0.118) SINGLE WALL TUBE TYPE 2 ADJUSTABLE STL. COL. W/ MIN. CAPACITY OF 71.2kn (16,000lbs.) AT A MAX. EXTENSION OF 2318mm (7'-7 1/2") CONFORMING TO CAN/CGSB-7.2-94. AND WITH 150x150x9.5 (6"x6"x3/8") STL. PLATE TOP & BOTTOM. 870x870x410 (34"x34"x16") CONC. FOOTING ON UNDISTURBED SOIL OR ENGINEERED FILL CAPABLE OF SUSTAINING A PRESSURE OF 150 kpa. MINIMUM AND AS PER SOILS REPORT.

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.

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"x10"x1/2") WITH 2-12mm DIA. x 300mm LONG x50mm HOOK ANCHORS (2-1/2"x12"x2") FELD WELD COL. TO BASE PLATE.

BEAM POCKET OR 300x150 (12"x6") POURED CONC. NIB WALLS. MIN. BEARING 90mm (3-1/2")

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

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.

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. 9.10.9.1.6. WALLS (R22), CEILINGS (R31). REFER TO SB-12, TABLE 3.1.1.2.A. FOR REQUIRED THERMAL INSULATION.

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

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.

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)

INSULATED ATTIC ACCESS (OBC-9.19.2.1. & SB12-3.1.1.8)

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.

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.

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

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

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.

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).

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.

STEPPED FOOTINGS OBC 9.15.3.9.

MIN. HORIZ. STEP = 600mm (24").

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. WHERE REQUIRED, REFER TO OBC SB-12, TABLE 3.1.1.2.A. FOR REQUIRED MINIMUM INSULATION UNDER SLAB.

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.

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.

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. *)

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.

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 THRD 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.

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.

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 (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. & SB12-3.1.1.9

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-12-3.1.1.9.

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 PRESERVE 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.

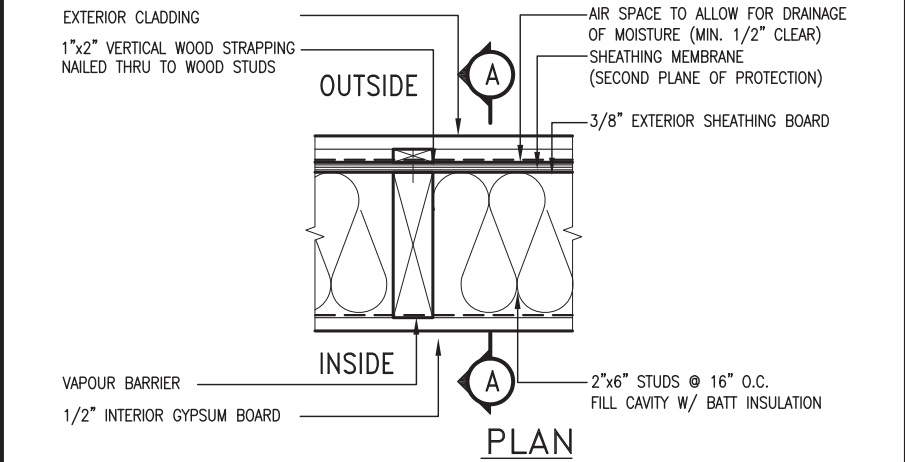
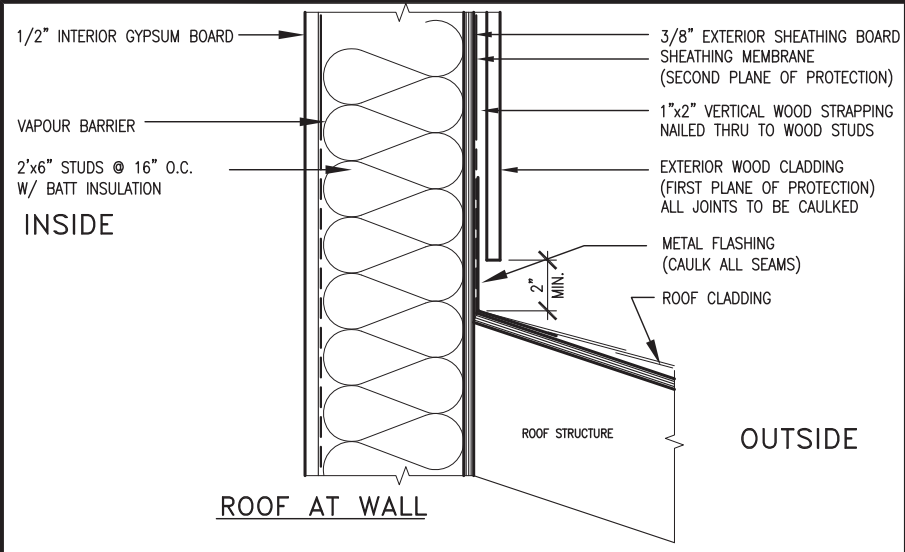
7) JOIST HANGERS: PROVIDE METAL HANGERS FOR ALL JOISTS AND BUILT-UP WOOD MEMBERS INTERSECTING FLUSH BUILT-UP WOOD MEMBERS.

8) WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE. IN CONTACT WITH CONCRETE. SHALL BE SEPARATED FROM THE CONCRETE BY AT LEAST 2 mil. POLYETHYLENE FILM. No. 50 (48lbs) ROLL ROOFING OR OTHER DAMPPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 150mm (6") ABOVE THE GROUND.

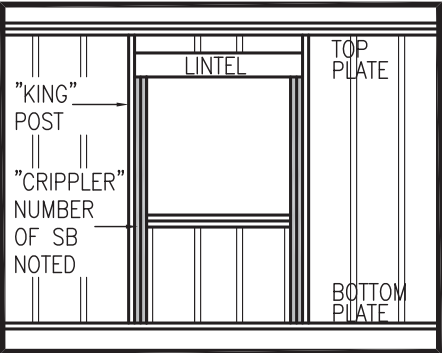
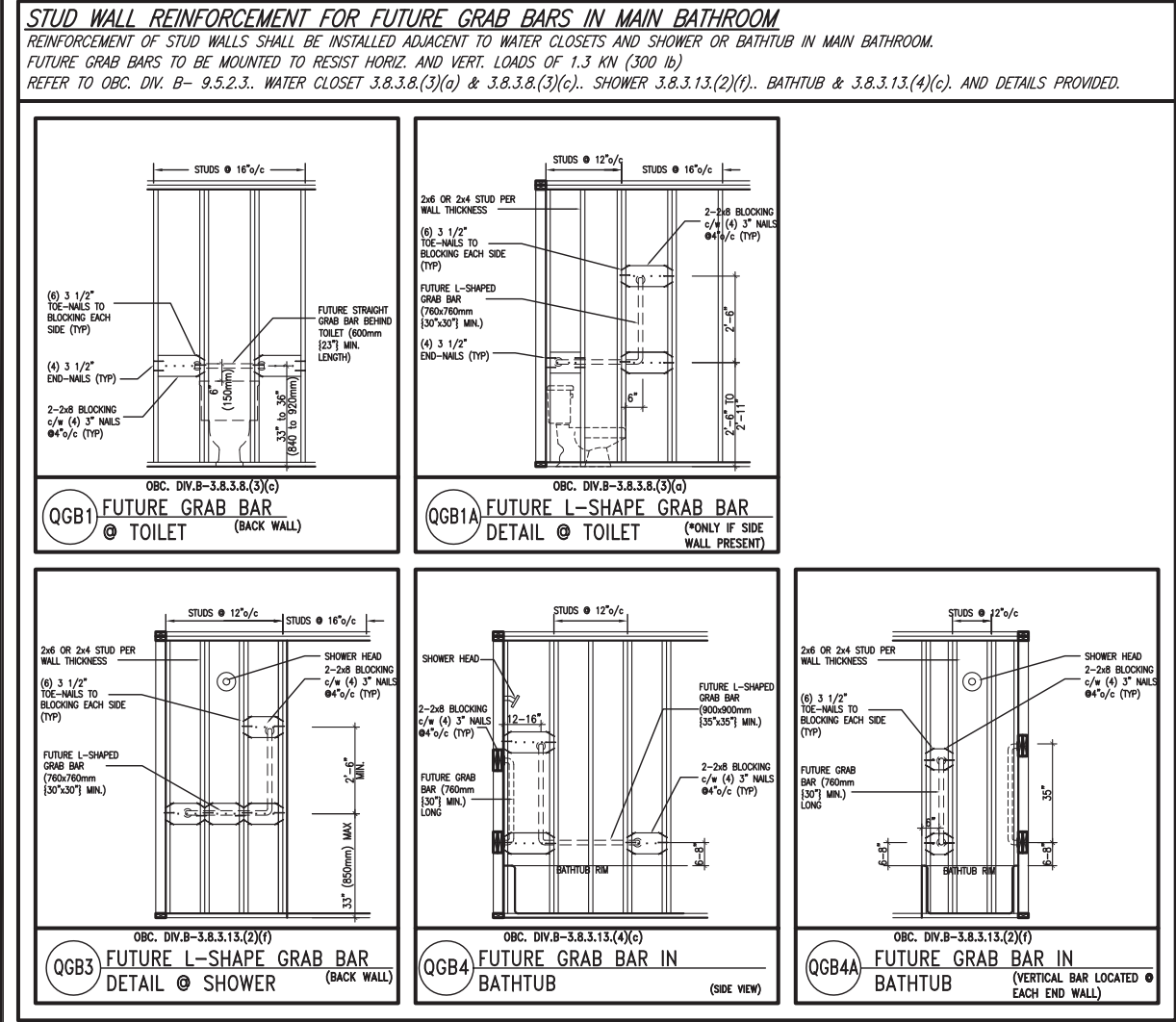
1) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 300W. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO CSA-G40.21 GRADE 350W 'STRUCTURAL QUALITY STEEL'. OBC. 8-9.23.4.3.

2) REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

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



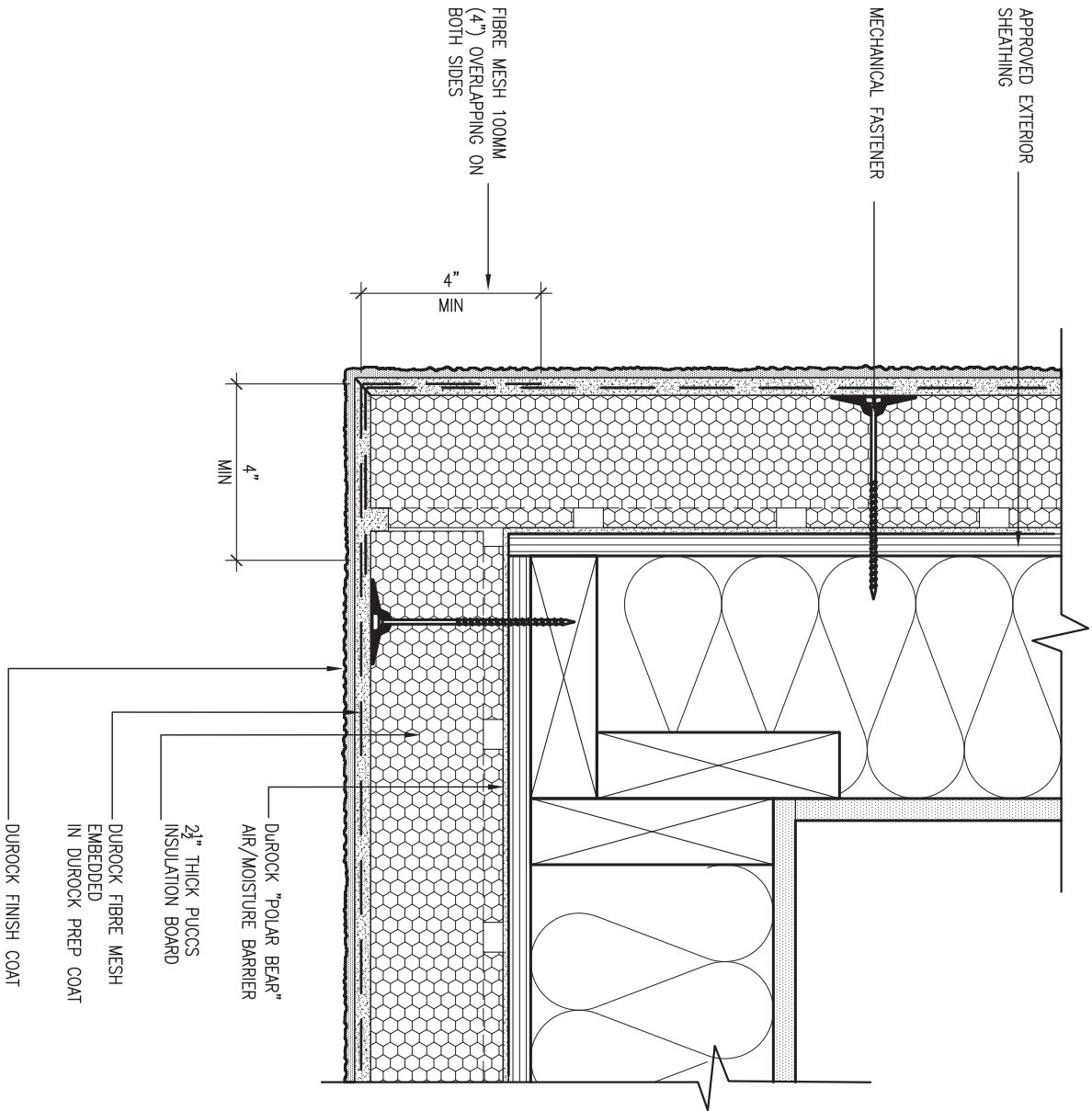
EXTERIOR WOOD CLADDING WALL ASSEMBLY



”CRIPPLE” DETAIL

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 UP TO 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 UP TO 2.5 KPa SUPPORTED ROOF TRUSS LENGTH OF 6.0m ONLY. 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 AND 12.5mm (1/2") GYPSUM BOARD ON THE INTERIOR FACE. 4. WALL FRAMING SHALL CONFORM TO OBC 9.23.10.1.(2) 5. FOR A 1/50 YEAR REFERENCE WIND PRESSURE OF 0.6 KPa 6. STUDS GREATER THAN 9'-10" HIGH TO BE No. 2 SPF 7. STUD SPECIFICATION IS SUITABLE FOR BRICK VENEER OR SIDING. 8. ** 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.			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		project no.	
7 . . .	. . .		Wellington Jno-Baptiste 25591				GREEN VALLEY EAST		BRADFORD		16023	
6 . . .	. . .		signature				RCIN		date		CONSTRUCTION NOTES	
5 . . .	. . .		name				VA3 Design Inc. 42658		MAY 2016		drawing no.	
4 . . .	. . .		registration information				25591		RC		file name	
3 . . .	. . .		Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.			t 416.630.2255 f 416.630.4782		3/16" = 1'-0"		16023-CN-A1		
2	UPDATE TO 2018		JAN 11-18	RC	RICHARD - H:\ARCHIVE\WORKING\2016\16023.BW\Units\CN NOTES\16023-CN-A1.dwg - Thu - Jan 11 2018 - 10:08 AM							
1	ISSUE FOR CLIENT REVIEW		AUG 04-17	RC	CN2							
no.	description		date	by								

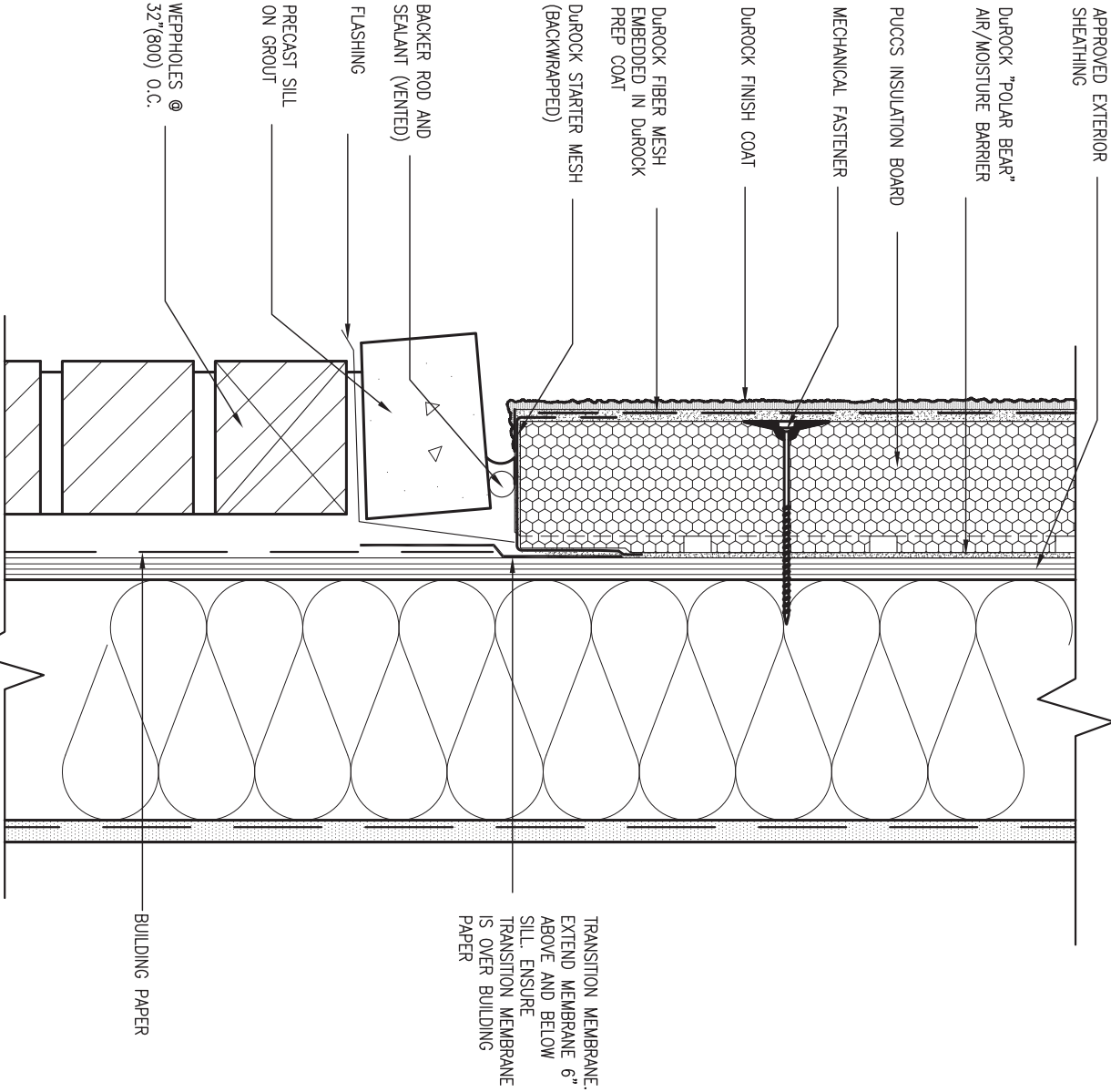


5 CORNER DETAIL

CN5 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

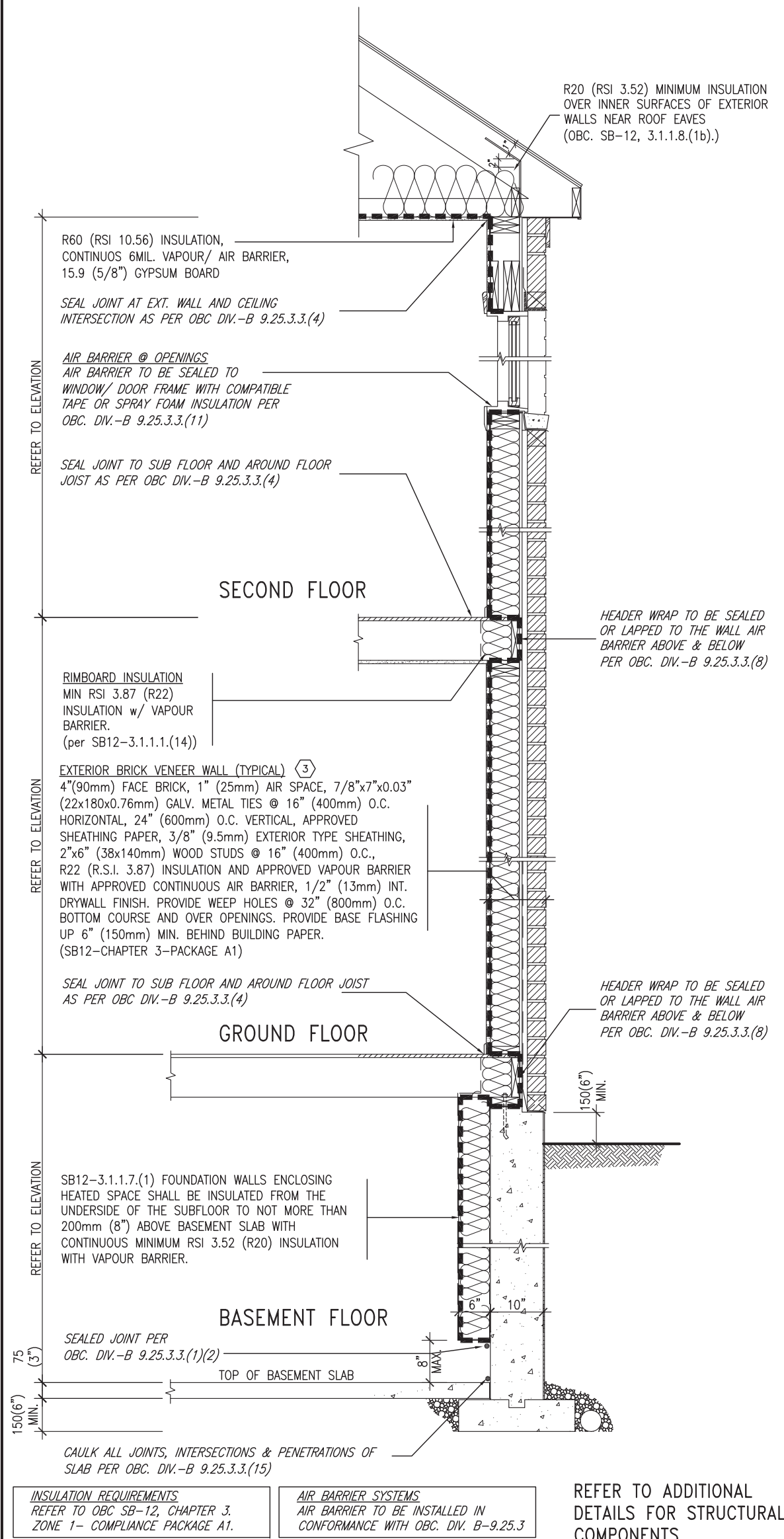


6 STUCCO / MASONRY PLINTH CONNECTION

CN5 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. qualification information Wellington Jno-Baptiste 25591 signature name registration information VA3 Design Inc. 42658 Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.			VA3 DESIGN 255 Consumers Rd Suite 120 Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3design.com			BAYVIEW WELLINGTON			CONST NOTE -					
8 .			-			-																	
7 .			-			-																	
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5 .			-			-																	
4 .			-			-																	
3 .			-			-			project name			municipality			project no.								
2 UPDATE TO 2018			JAN 11-18			RC			GREEN VALLEY EAST			BRADFORD			16023								
1 ISSUE FOR CLIENT REVIEW			AUG 04-17			RC			date			checked by			scale			file name			drawing no.		
no. description			date			by			RC			-			3/16" = 1'-0"			16023-CN-A1			CN5		
RICHARD - H:\ARCHIVE\WORKING\2016\16023.BW\Units\CN NOTES\16023-CN-A1.dwg - Thu - Jan 11 2018 - 10:10 AM																		CONSTRUCTION NOTES					

SB12-COMPLIANCE PACKAGE 'A1'



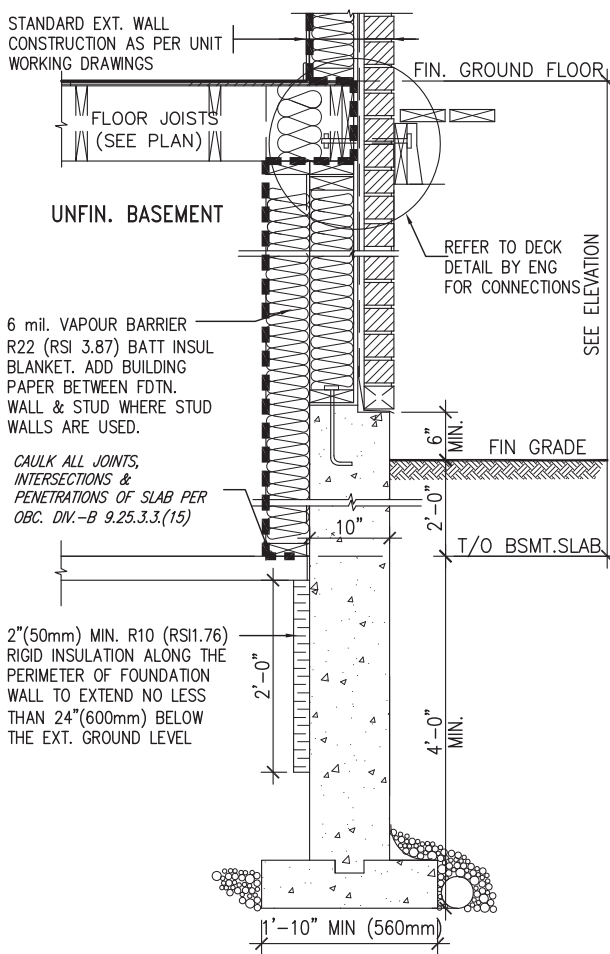
EW TYPICAL EXT. WALL AIR BARRIER CONTINUITY SECTION w/ BRICK VENEER (PACKAGE A1) 10" FOUNDATION WALL SCALE: N.T.S.

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 3.1.1.1.

USE SB-12 COMPLIANCE PACKAGE (A1):

COMPONENT	A1	Notes:
Ceiling with Attic Space	10.56	R20 at inner face of exterior walls
Minimum RSI (R) value	(R60)	
Ceiling without Attic Space	5.46	BATT or SPRAY
Minimum RSI (R) value	(R31)	
Exposed Floor	5.46	BATT or SPRAY
Minimum RSI (R) value	(R31)	
Walls Above Grade	3.87	6" R22 BATT
Minimum RSI (R) value	(R22)	
Basement Walls	3.52ci	OPTION TO USE R12+R10ci.
Minimum RSI (R) value	(R20ci)	
Edge of Below Grade Slab ≤600mm below grade	1.76	RIGID INSUL
Minimum RSI (R) value	(R10)	
Windows & Sliding glass Doors	1.6	
Maximum U-value		
Skylights		
Maximum U-value	2.8U	
Space Heating Equipment	96% Min.	NATURAL GAS
Minimum AFUE		
Hot Water Heater	0.8	NATURAL GAS
Minimum EF		
HRV	75%	—
Minimum Efficiency		
Drain Water Heat Recovery Unit (DWHR)	Minimum 1 OR Maximum 2 Required. Dependent on number of showers installed. Refer to SB12-3.1.1.12 for information	

ci- Denotes Continuous Insulation without framing interruption.



* REVISED-FEB 2017

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.
8	.	.	.	qualification information
7	.	.	.	Wellington Jno-Baptiste 25591
6	.	.	.	signature
5	.	.	.	name
4	.	.	.	registration information
3	.	.	.	VA3 Design Inc. 42658
2	UPDATE TO 2018	JAN 11-18	RC	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.
1	ISSUE FOR CLIENT REVIEW	AUG 04-17	RC	
no.	description	date	by	



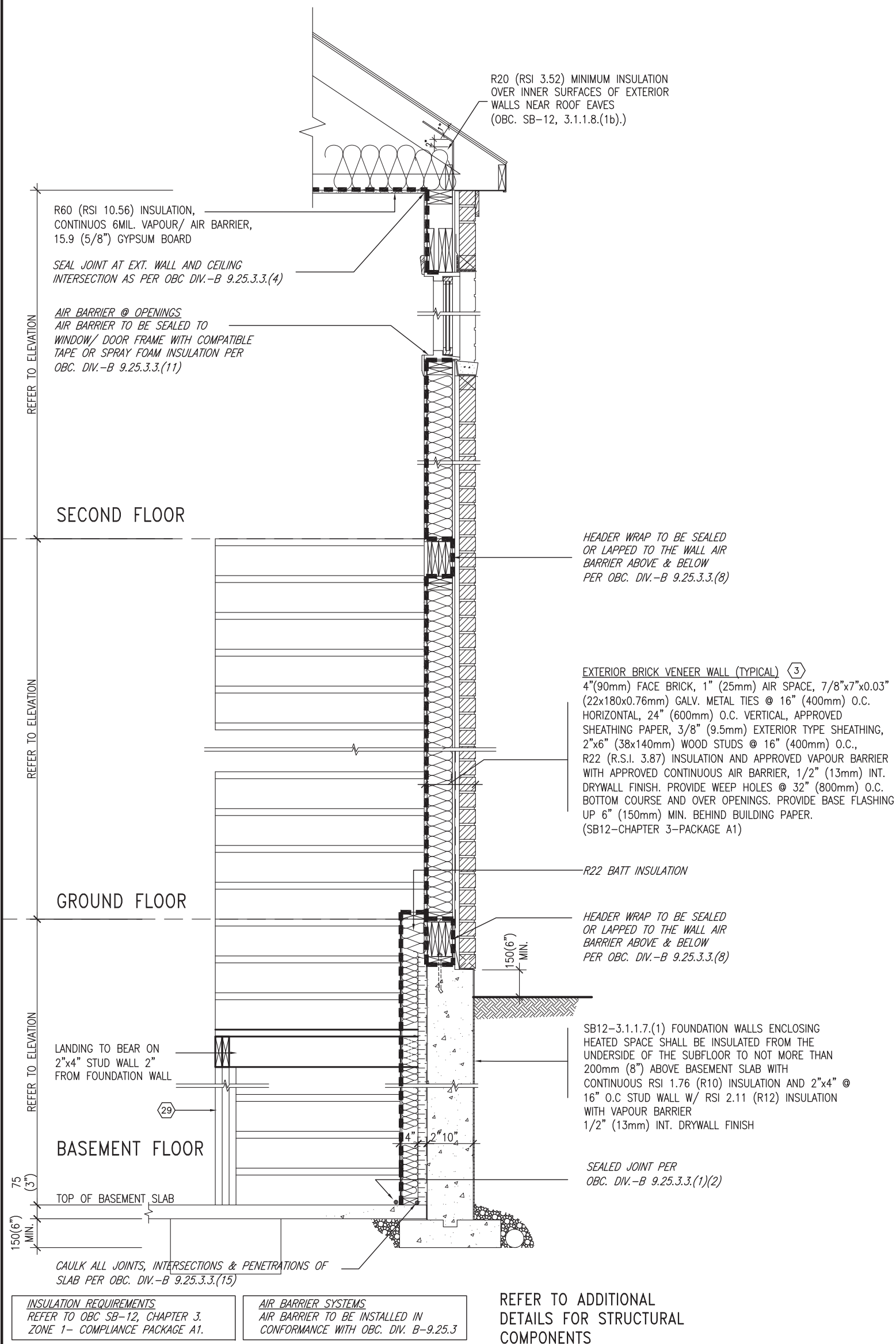
255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON

CONST NOTE

project name	GREEN VALLEY EAST	municipality	BRADFORD	project no.	16023
date	MAY 2016	checked by	scale	3/16" = 1'-0"	file name
drawn by	RC				16023-CN-A1
CONSTRUCTION NOTES					drawing no.
RICHARD - H:\ARCHIVE\WORKING\2016\16023.BW\Units\CN NOTES\16023-CN-A1.dwg - Thu - Jan 11 2018 - 10:10 AM					CN6

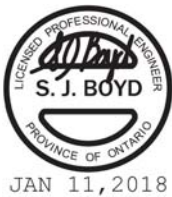
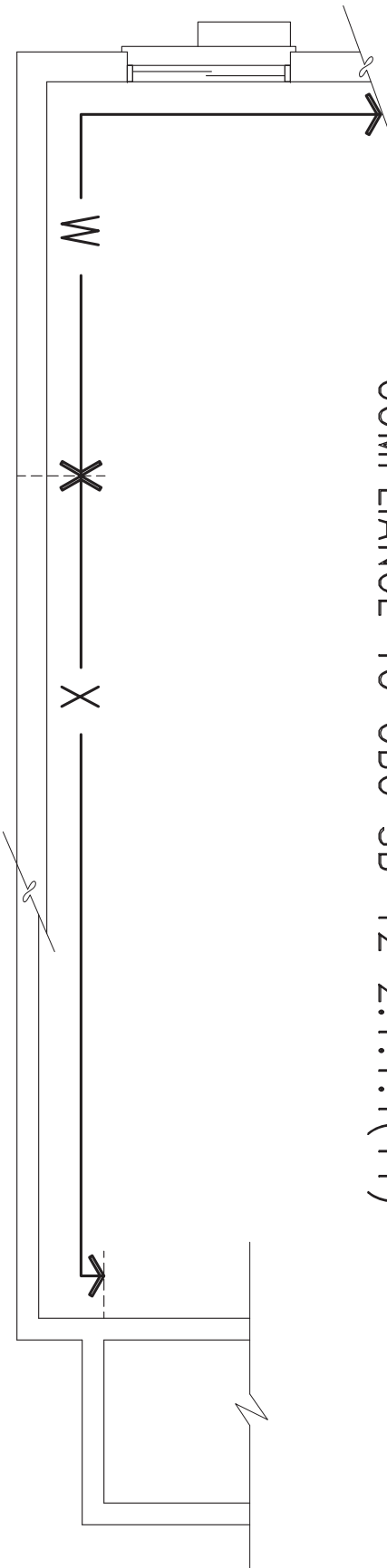
SB12-COMPLIANCE PACKAGE 'A1'



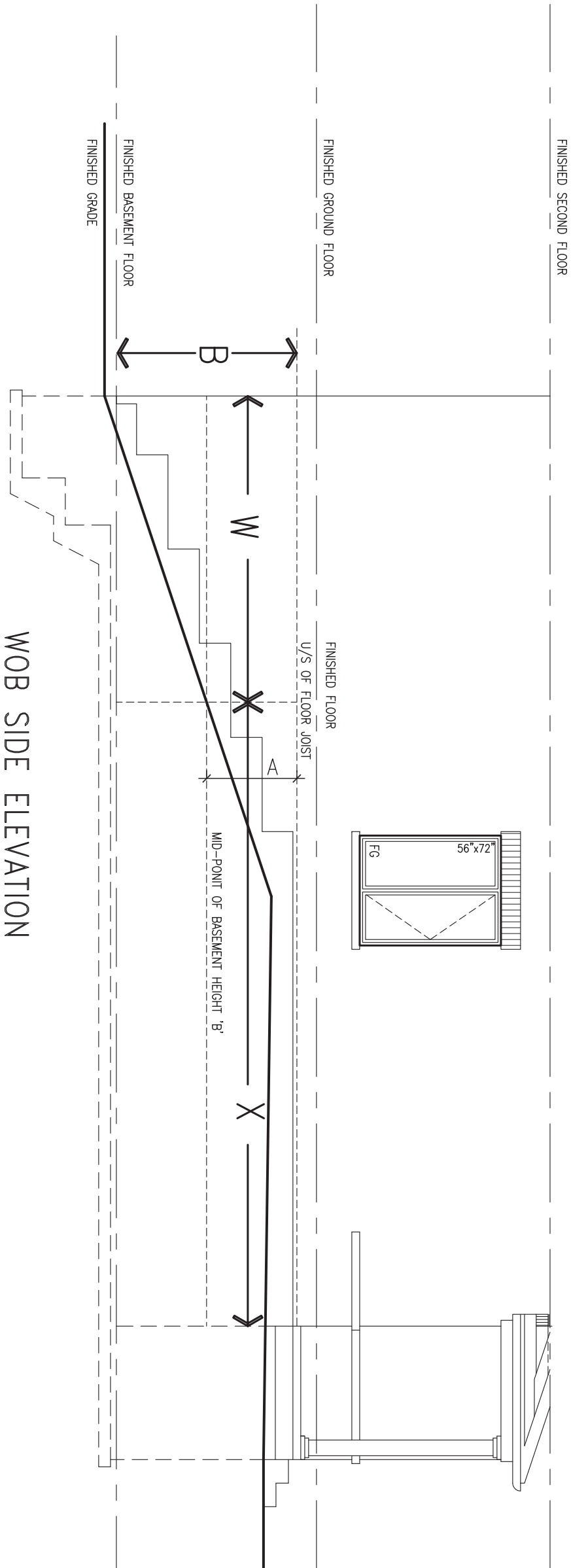
TYPICAL EXT. WALL AIR BARRIER CONTINUITY SECTION w/ BRICK VENEER AT STAIR AND SUNKEN COND (PACKAGE A1) 10" FOUNDATION WALL SCALE: N.T.S.

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	project name GREEN VALLEY EAST	municipality BRADFORD	project no. 16023	CONST NOTE -
8	.	.	.	qualification information						
7	.	.	.	Wellington Jno-Baptiste 25591 signature BCIN						
6	.	.	.	registration information VA3 Design Inc. 42658						
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2	UPDATE TO 2018	JAN 11-18	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.						CONSTRUCTION NOTES
1	ISSUE FOR CLIENT REVIEW	AUG 04-17	RC							file name 16023-CN-A1
no.	description	date	by							drawing no. CN7
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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

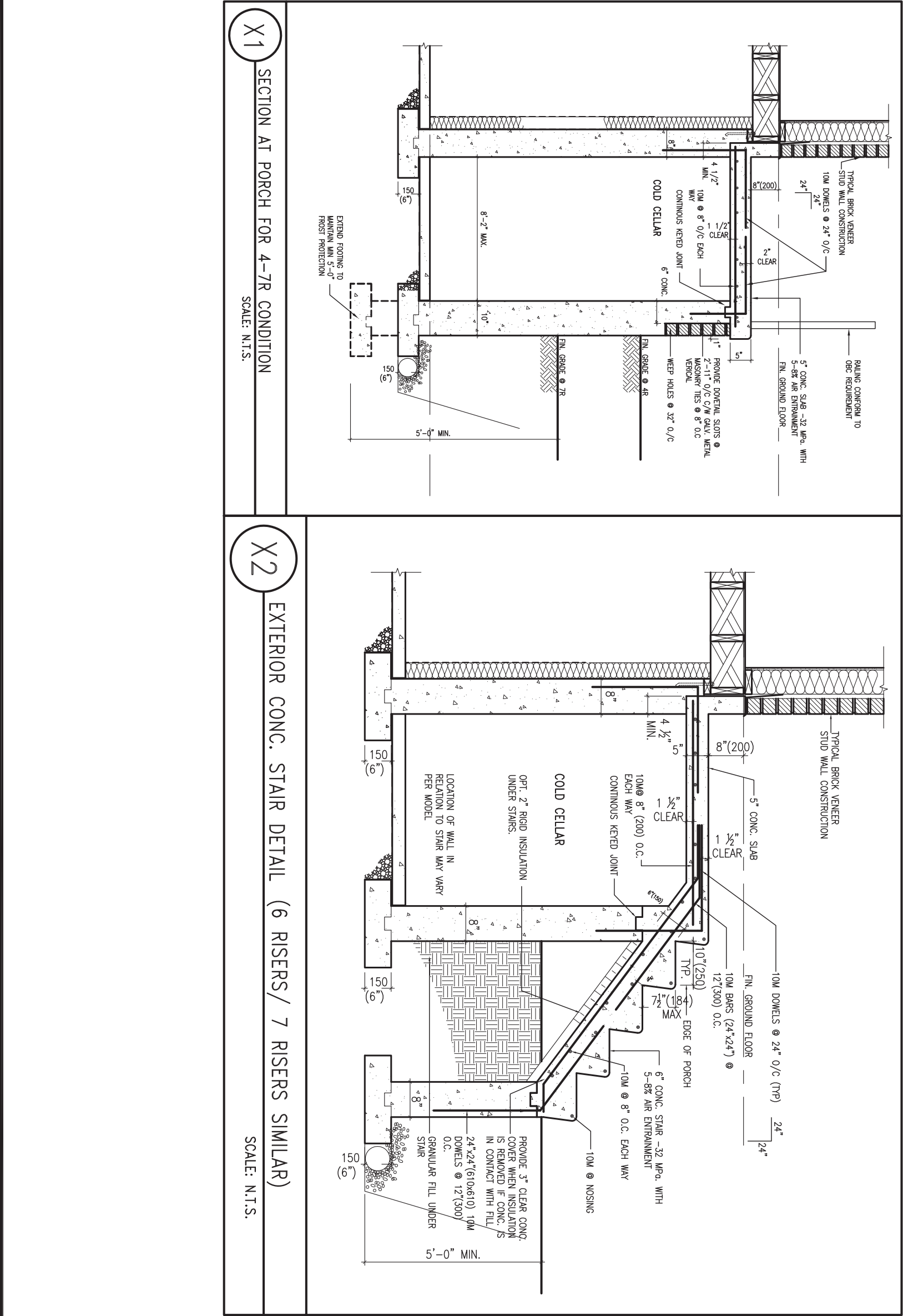
WHEN EXPOSED WALL "A" IS LESS THAN 50% OF BASEMENT WALL HEIGHT "B"

INSULATION VALUE FOR WALL IN SECTION "X" IS NOT LESS THAN BASEMENT WALL AS REQUIRED BY TABLE 2.1.1.2A

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	project no.		
7	-	-	-	Wellington Jno-Baptiste		GREEN VALLEY EAST	BRADFORD	16023		
6	-	-	-	signature		date	CONSTRUCTION NOTES			
5	-	-	-	BCIN		MAY 2016	checked by	scale	file name	drawing no.
4	-	-	-	VA3 Design Inc.		RC	-	3/16" = 1'-0"	16023-CN-A1	CN8
3	-	-	-	42658	RICHARD - H:\ARCHIVE\WORKING\2016\16023.BW\Units\CN NOTES\16023-CN-A1.dwg - Thu - Jan 11 2018 - 10:09 AM					
2	UPDATE TO 2018	JAN 11-18	RC	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.						
1	ISSUE FOR CLIENT REVIEW	AUG 04-17	RC							
no.	description	date	by							



JAN 11, 2018



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1	ISSUE FOR CLIENT REVIEW	AUG 04-17	RC
no.	description	date	by

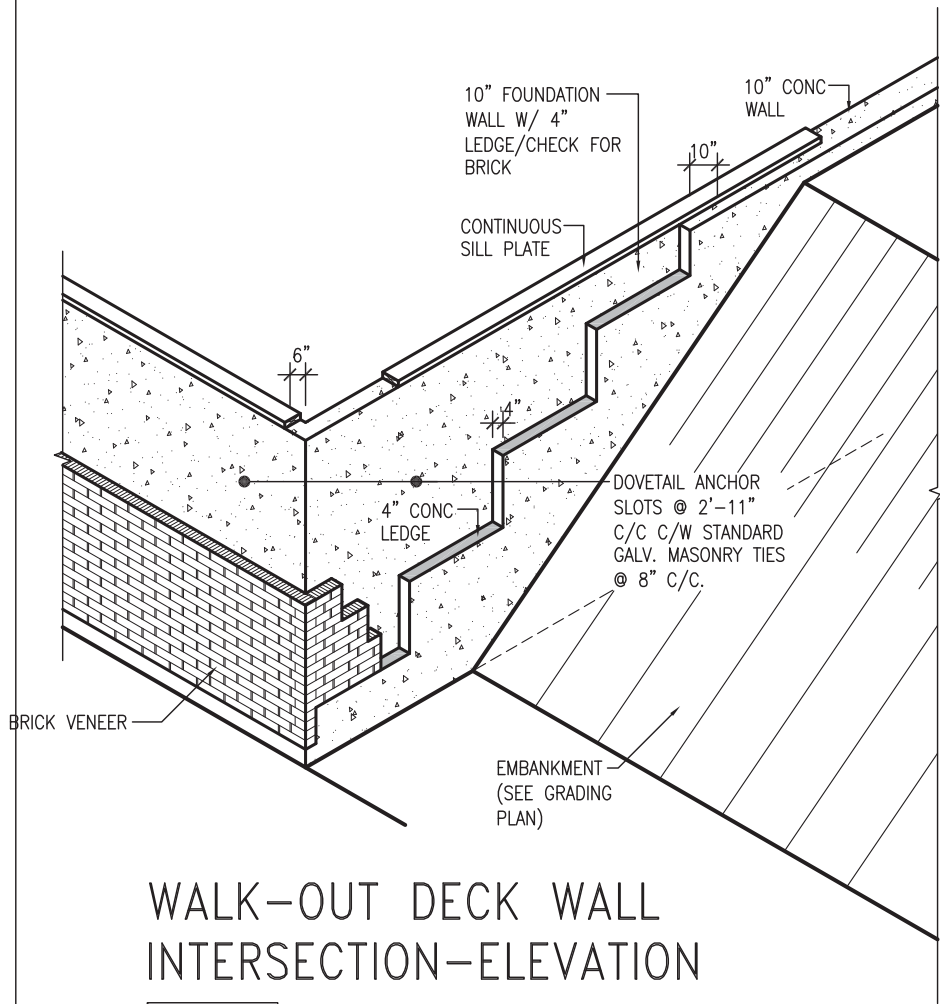
The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.		
qualification information		
Wellington	Jno-Baptiste	25591
name	signature	BCIN
registration information		
VA3 Design Inc.		42658
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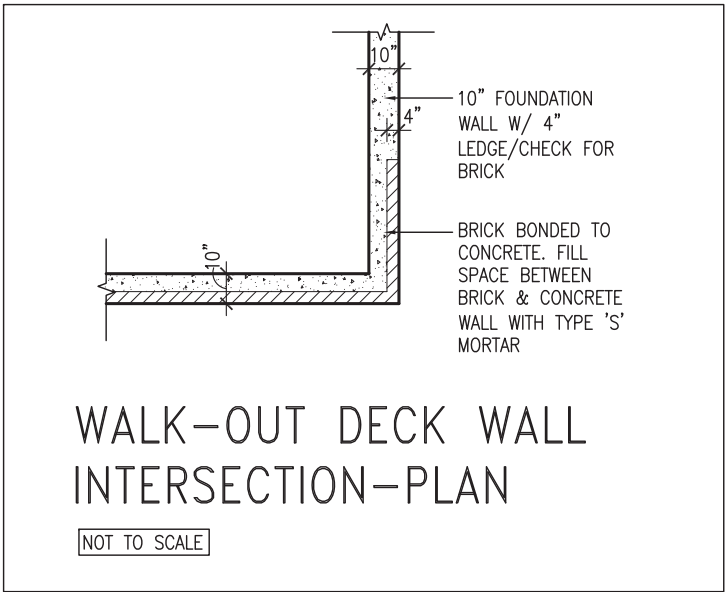
BAYVIEW WELLINGTON	
project name	municipality
GREEN VALLEY EAST	BRADFORD
date	
MAY 2016	
drawn by	checked by
RC	-
scale	
3/16" = 1'-0"	
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CONST NOTE	
-	
project no.	16023
drawing no.	CN9
CONSTRUCTION NOTES	
file name	16023-CN-A1



WALK-OUT DECK WALL
INTERSECTION-ELEVATION

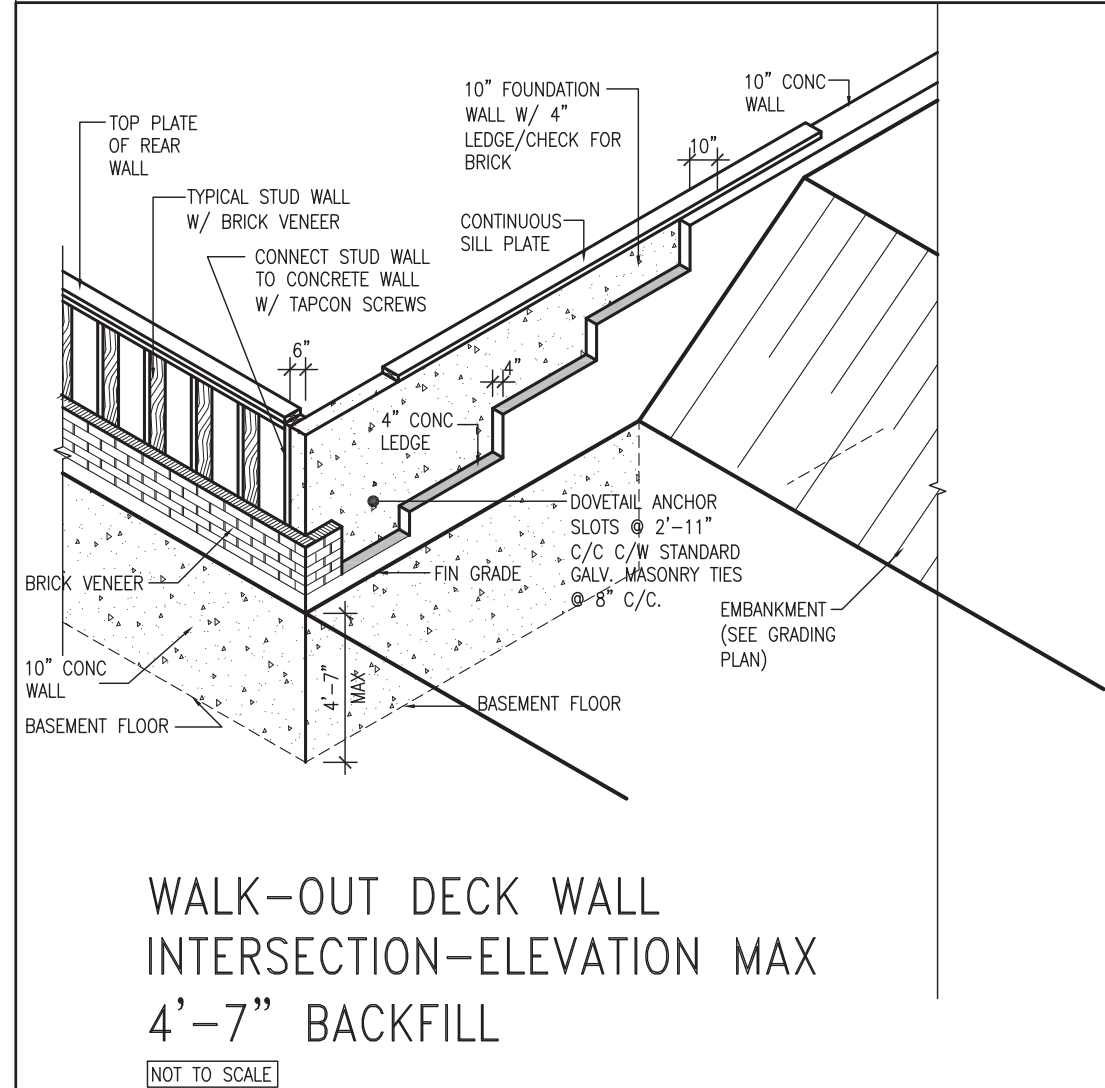
NOT TO SCALE



WALK-OUT DECK WALL
INTERSECTION-PLAN

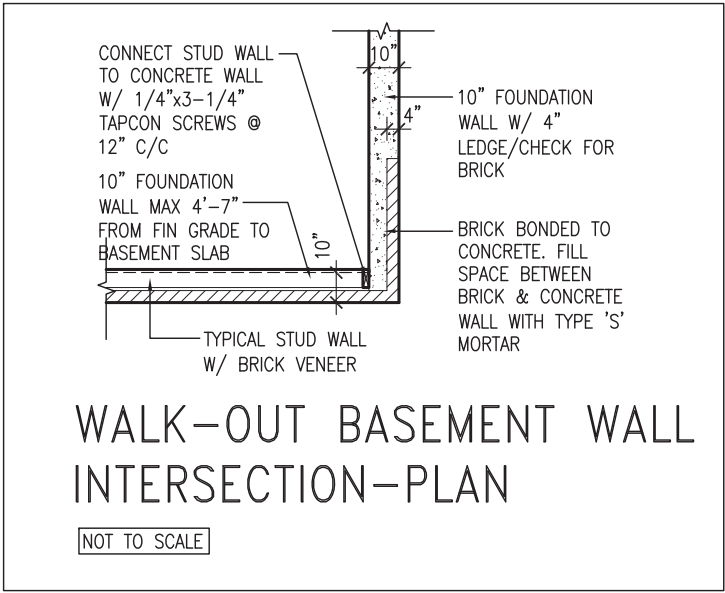
NOT TO SCALE

(10" FOUNDATION WALL)



WALK-OUT DECK WALL
INTERSECTION-ELEVATION MAX
4'-7" BACKFILL

NOT TO SCALE



WALK-OUT BASEMENT WALL
INTERSECTION-PLAN

NOT TO SCALE

(10" FOUNDATION WALL)



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BAYVIEW WELLINGTON		CONST NOTE	
project name	GREEN VALLEY EAST	municipality	BRADFORD
date	MAY 2016	project no.	16023
drawn by	RC	checked by	—
scale	3/16" = 1'-0"	file name	16023-CN-A1
CONSTRUCTION NOTES		drawing no.	
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