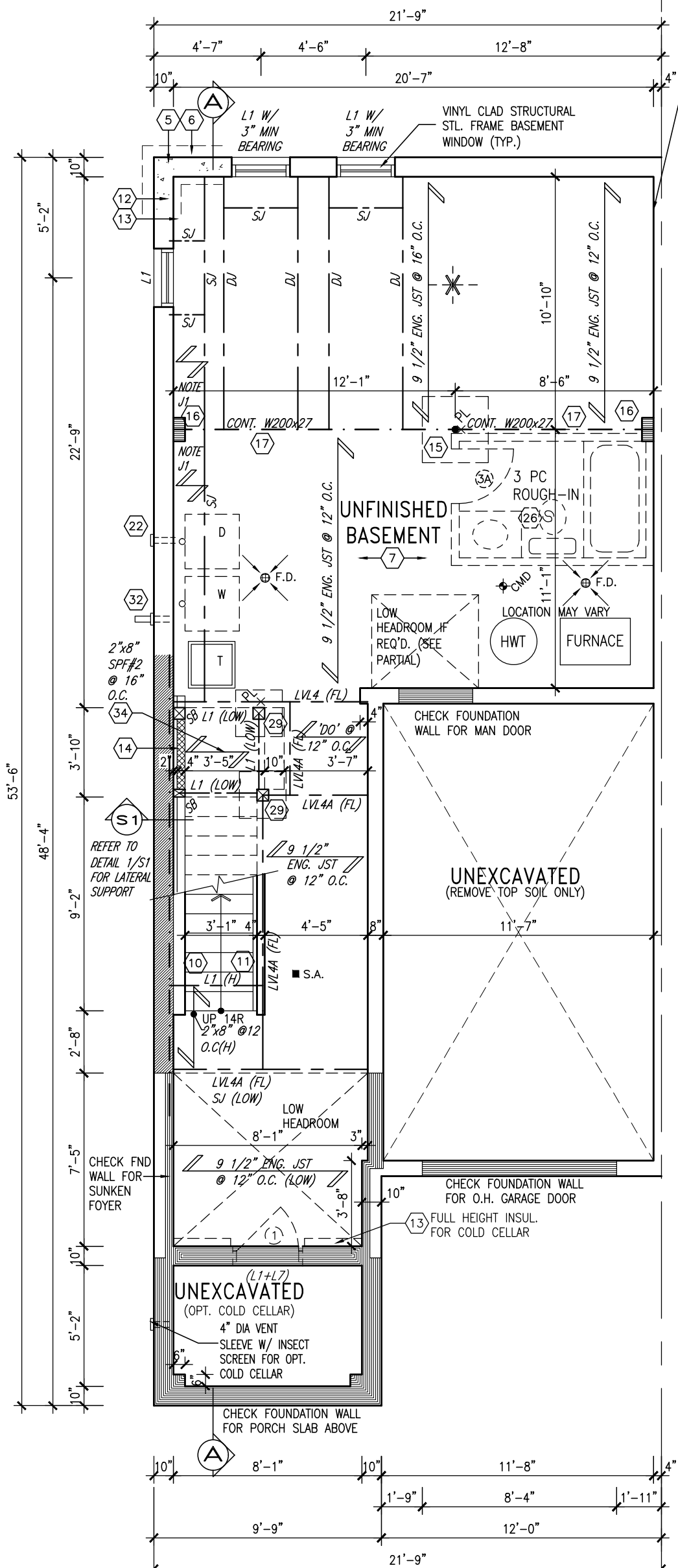
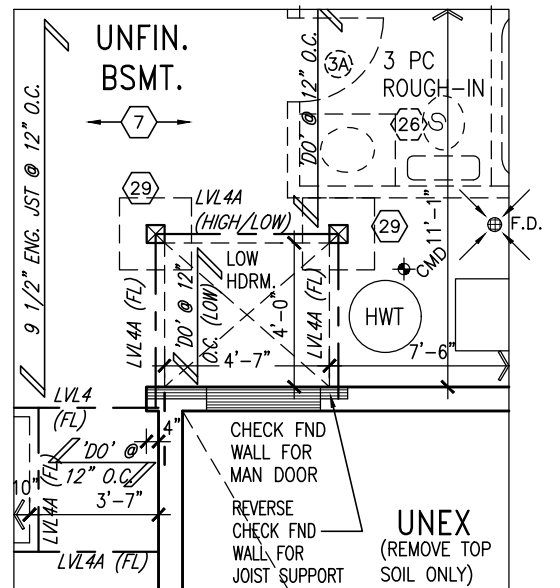


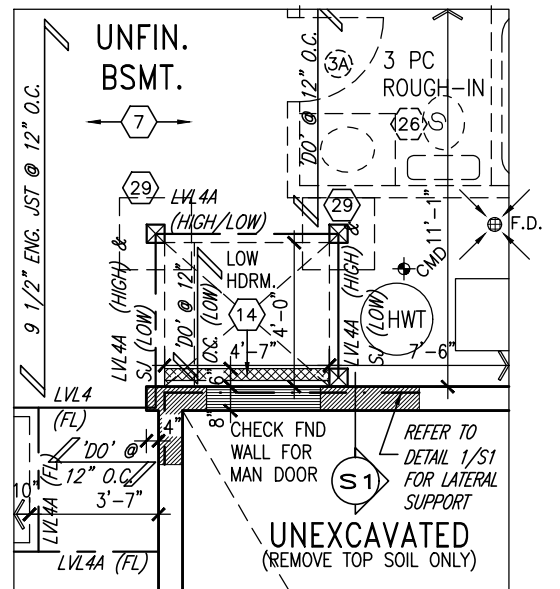


24"x8" THICK CONC.
FOOTING UNDER PARTYWALL

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



PART BSMT PLAN
GARAGE MAN DOOR
SUNKEN 1R



PART BSMT PLAN
GARAGE MAN DOOR
SUNKEN >1R

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

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

BASEMENT PLAN 'A' & 'B'

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



AREA CALCULATIONS	
	ELEV. A&B
GROUND FLOOR AREA	744 SF
SECOND FLOOR AREA	987 SF
SUBTOTAL	1731 SF
DEDUCT ALL OPENINGS	18 SF
TOTAL NET AREA	1713SF
	159.14 m2
FINISHED BSMT AREA	0 SF
COVERAGE W/OUT PORCH	987 SF
	91.69 m2
COVERAGE W/ PORCH	1046SF
	97.18 m2

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	REVISED AS PER ENG'S COMMENTS	DEC 05-18	RC	VA3 Design Inc. 42658
3	REV. AS PER FLOOR TRUSS MANUF. LAYOUTS	NOV. 02/18	NH	
2	REV. AS PER ROOF TRUSS COMMENTS.	OCT. 29/18	WT	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.
1	ISSUED FOR CLIENT REVIEW	APR 2018	VA3	
no.	description	date	by	

VA3
DESIGN

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

BAYVIEW WELLINGTON

project name
PASSAGES ON THE CANAL municipality
ST. CATHERINES, ON.

TH-6E
THE COLUMBUS 4

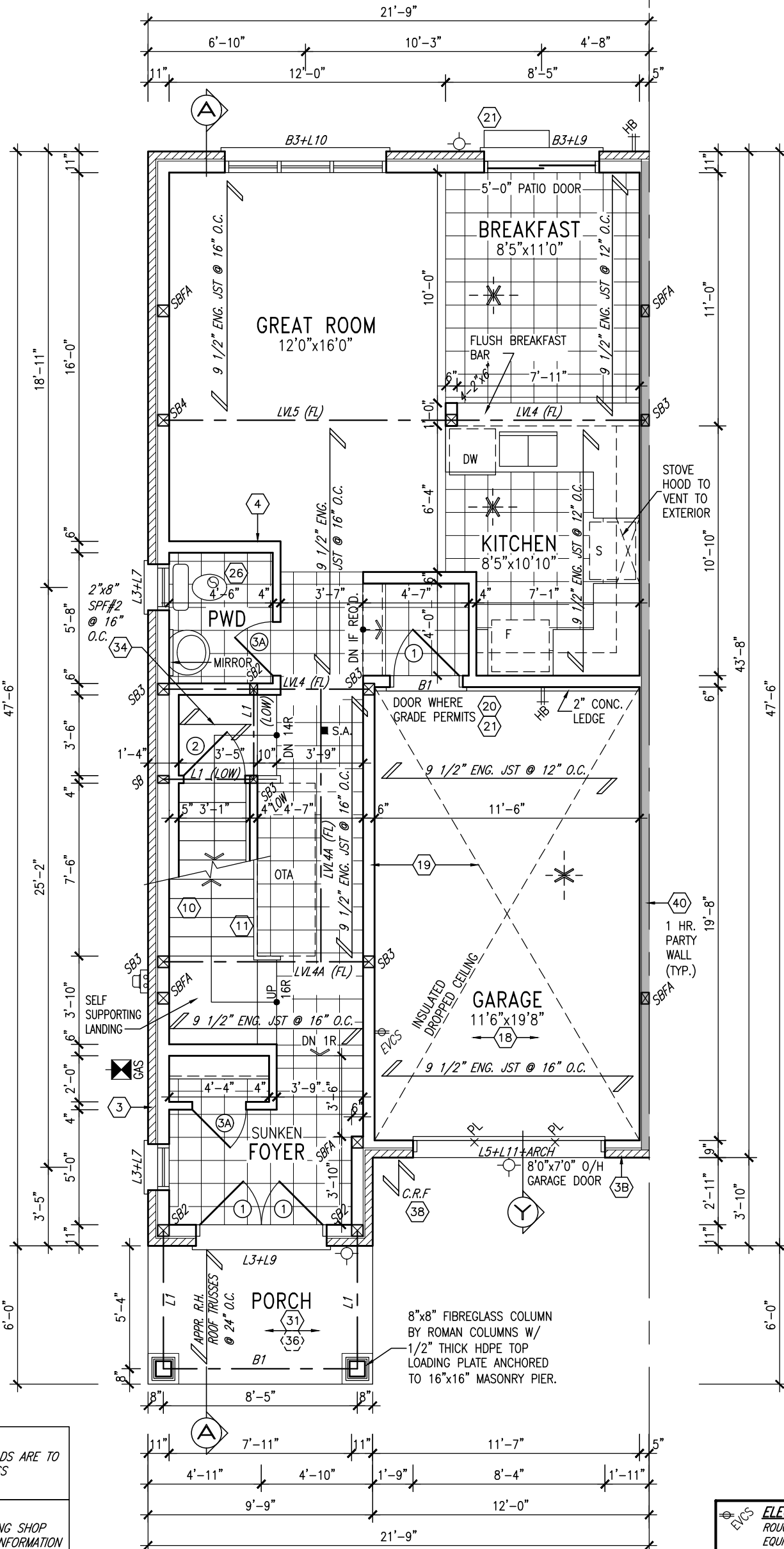
date
DEC 2017 project no.
15009

drawn by
BD.BIM drawing no.
1

checked by
- scale
3/16" = 1'-0" file name
15009-TH6E

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REFER TO HEADER DETAIL 2A/S1



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

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

NOTE:
3/4" SUBFLOOR TO BE GLUED AND NAILED. SPACE ALL FLOOR JOISTS @ 12" O.C. UNDER ALL CERAMIC TILE AREAS OR CERAMIC APPLICATION AS PER OBC. 9.30.6

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.

9	.	.	.
8	.	.	.
7	.	.	.
6	.	.	.
5	.	.	.
4	REVISED AS PER ENG'S COMMENTS	DEC 05-18	RC
3	REV. AS PER FLOOR TRUSS MANUF. LAYOUTS	NOV. 02/18	NH
2	REV. AS PER ROOF TRUSS COMMENTS.	OCT. 29/18	WT
1	ISSUED FOR CLIENT REVIEW	APR 2018	VA3
no.	description	date	by

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

TH-6E
THE COLUMBUS 4

project name
PASSAGES ON THE CANAL municipality
ST. CATHERINES, ON.

project no.
15009

date
DEC 2017

GROUND FLOOR PLAN 'A'

drawing no.

drawn by
BD.BIM

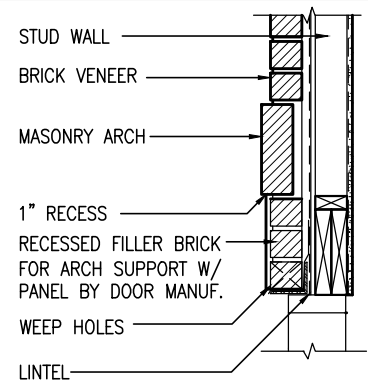
checked by
3/16" = 1'-0"

scale
15009-TH6E

2

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

[illegible]

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

Professional Engineer Seal for S. J. Boyd, Province of Ontario, License No. 40188, dated DEC 6, 2018.

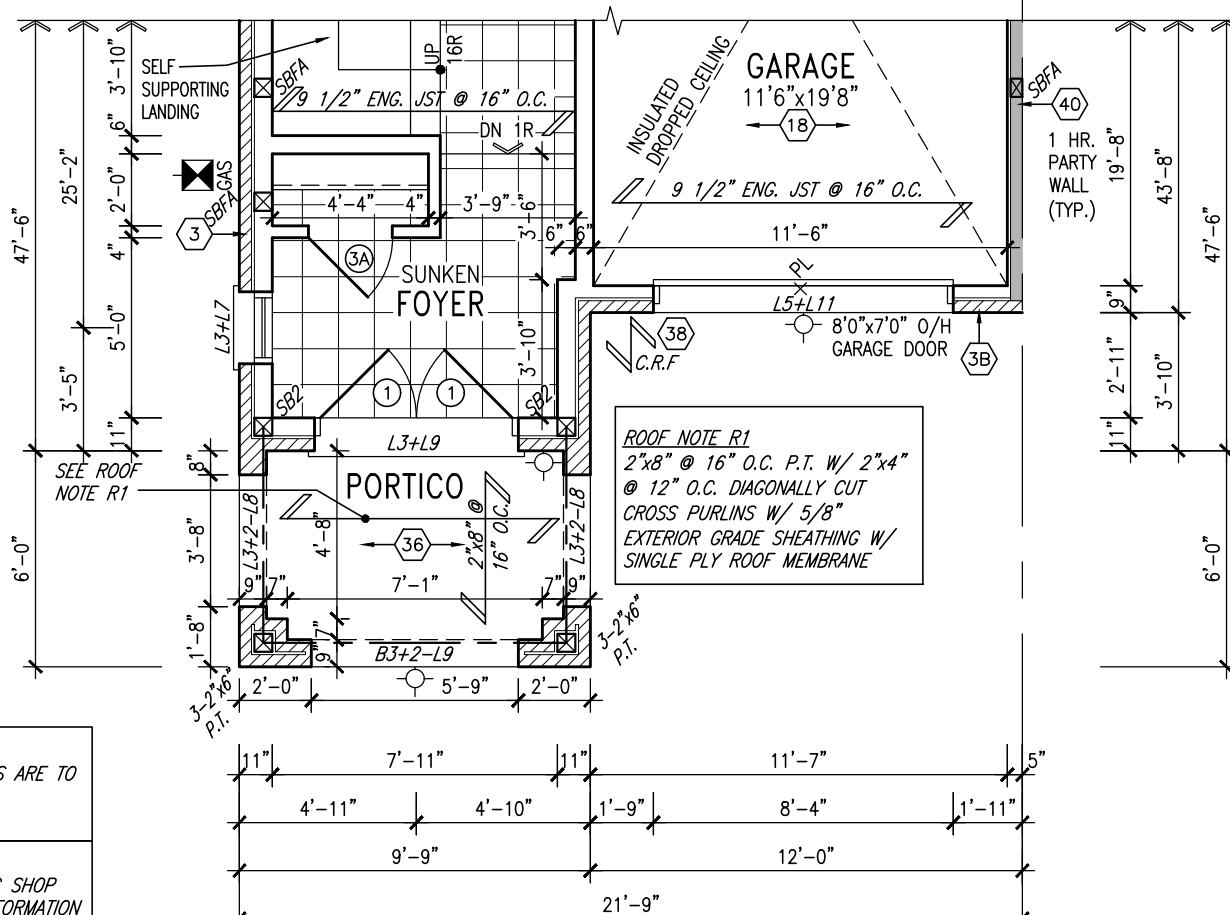
STUD WALL REINFORCEMENT FOR
FUTURE GRAB BARS IN MAIN BATHROOM
REINFORCEMENT OF STUD WALLS SHALL BE
INSTALLED ADJACENT TO WATER CLOSETS AND
SHOWER OR BATHTUB IN MAIN BATHROOM AS PER
O.B.C. 9.5.2.3, 3.8.3.8.(1)(d), & 3.8.3.13.(1)(f) AND
DETAILS PROVIDED

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		TH-6E THE COLUMBUS 4		project no. 15009
8	.	.							
7	.	.	qualification information						
6	.	.	Wellington Jno-Baptiste <i>J. Baptiste</i> 25591						
5	.	.	name signature BCIN						
4	REVISED AS PER ENG'S COMMENTS	DEC 05-18	RC	registration information VA3 Design Inc. 42658	project name PASSAGES ON THE CANAL	municipality ST. CATHERINES, ON.			
3	REV. AS PER FLOOR TRUSS MANUF. LAYOUTS	NOV. 02/18	NH		date DEC 2017	SECOND FLOOR PLAN 'A'		drawing no.	
2	REV. AS PER ROOF TRUSS COMMENTS.	OCT. 29/18	WT		drawn by BD.BIM	checked by -	scale 3/16" = 1'-0"	file name 15009-TH6E	3
1	ISSUED FOR CLIENT REVIEW	APR 2018	VA3		RICHARD - H:\ARCHIVE\WORKING\2015\15009.BW\Units\15009-TH6E.dwg - Thu - Dec 6 2018 - 10:59 AM				
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.					

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[illegible]

PART. SECOND FLOOR PLAN 'B'



NOTE:
3/4" SUBFLOOR TO BE GLUED AND NAILED.
SPACE ALL FLOOR JOISTS @ 12" O.C.
UNDER ALL CERAMIC TILE AREAS OR
CERAMIC APPLICATION AS PER OBC. 9.30.6

PART. GROUND FLOOR PLAN '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 <i>J. Baptiste</i> 25591 name signature BCIN registration information VA3 Design Inc. 42658
8	.	.	.	
7	.	.	.	
6	.	.	.	
5	.	.	.	
4	REVISED AS PER ENG'S COMMENTS	DEC 05-18	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.
3	REV. AS PER FLOOR TRUSS MANUF. LAYOUTS	NOV. 02/18	NH	
2	REV. AS PER ROOF TRUSS COMMENTS.	OCT. 29/18	WT	
1	ISSUED FOR CLIENT REVIEW	APR 2018	VA3	
no.	description	date	by	

VA3 DESIGN 255 Consumers Rd Suite 120 Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3design.com	BAYVIEW WELLINGTON		TH-6E THE COLUMBUS 4	
	project name PASSAGES ON THE CANAL		municipality ST. CATHERINES, ON.	project no. 15009
	date DEC 2017		PART. PLANS 'B'	
	drawn by BD.BIM	checked by -	scale 3/16" = 1'-0"	file name 15009-TH6E
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drawing no. 4	
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NOTE:
REFER TO FRONT ELEVATION FOR
TYPICAL NOTES



SIDE ELEVATION 'A'

WALL AREA	950.00 SQ. FT.
LIMITING DISTANCE	1.2 M (7%)
OPENING ALLOWED	66.50 SQ. FT.
OPENING PROVIDED	48.00 SQ. FT.

BAYVIEW WELLINGTON		TH-6E THE COLUMBUS 4	
PASSAGES ON THE CANAL		ST. CATHERINES, ON.	
project name		project no. 15009	
date DEC 2017		drawing no. 6	
drawn by BD.BIM		file name 15009-TH6E	
checked by		scale 3/16" = 1'-0"	
RICHARD		H:\ARCHIVE\WORKING\2015\15009-BW\Units\15009-TH6E.dwg - Thu - Dec 6 2018 - 10:59 AM	

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qualification information		42658	
Wellington Jno-Baptiste		VA3 Design Inc.	
name		registration information	
DEC 05-18 RC		NOV. 02/18 NH	
4 REVISED AS PER ENG'S COMMENTS		3 REV. AS PER FLOOR TRUSS MANUF. LAYOUTS	
OCT. 29/18 WT		2 REV. AS PER ROOF TRUSS COMMENTS	
APR 2018 VA3		1 ISSUED FOR CLIENT REVIEW	
date		by	
no.		description	

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1'-0"

1'-0"

6:12

6:12

10:12

10:12

TOP OF PLATE
TOP OF WINDOW

ROOF SCUPPER
(TYP.)

FIN. SECOND FLOOR

FIN. GROUND FLOOR

FIN. GRADE

TOP OF SLAB

6'-10"
TOP OF TRANSOM
TOP OF WINDOW

RWL

30"x16"

RWL

RWL

6'-10"
TOP OF WINDOW

24"x48"
FG

SUNKEN FOYER

1'-0"

4'-0"
RET.

48"x60"
FG FG

5'-0"

48"x48"
FG

24"x40"
FG

WALL AREA 950.00 SQ. FT.
LIMITING DISTANCE 1.2 M (7%)
OPENING ALLOWED 66.50 SQ. FT.
OPENING PROVIDED 48.00 SQ. FT.

SIDE ELEVATION 'B'



DEC 6, 2018

NOTE:
REFER TO FRONT ELEVATION FOR
TYPICAL NOTES

BAYVIEW WELLINGTON

TH-6E
THE COLUMBUS 4

project name
project no.
drawing no.

PASSAGES ON THE CANAL
15009
15009

municipality
ST. CATHERINES, ON.

date
DEC 2017

drawn by
BD.BIM

checked by
-

scale
3/16" = 1'-0"

file name
15009-TH6E

date
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qualification information

Wellington Jno-Baptiste

25591

BCON

42658

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9 .

8 .

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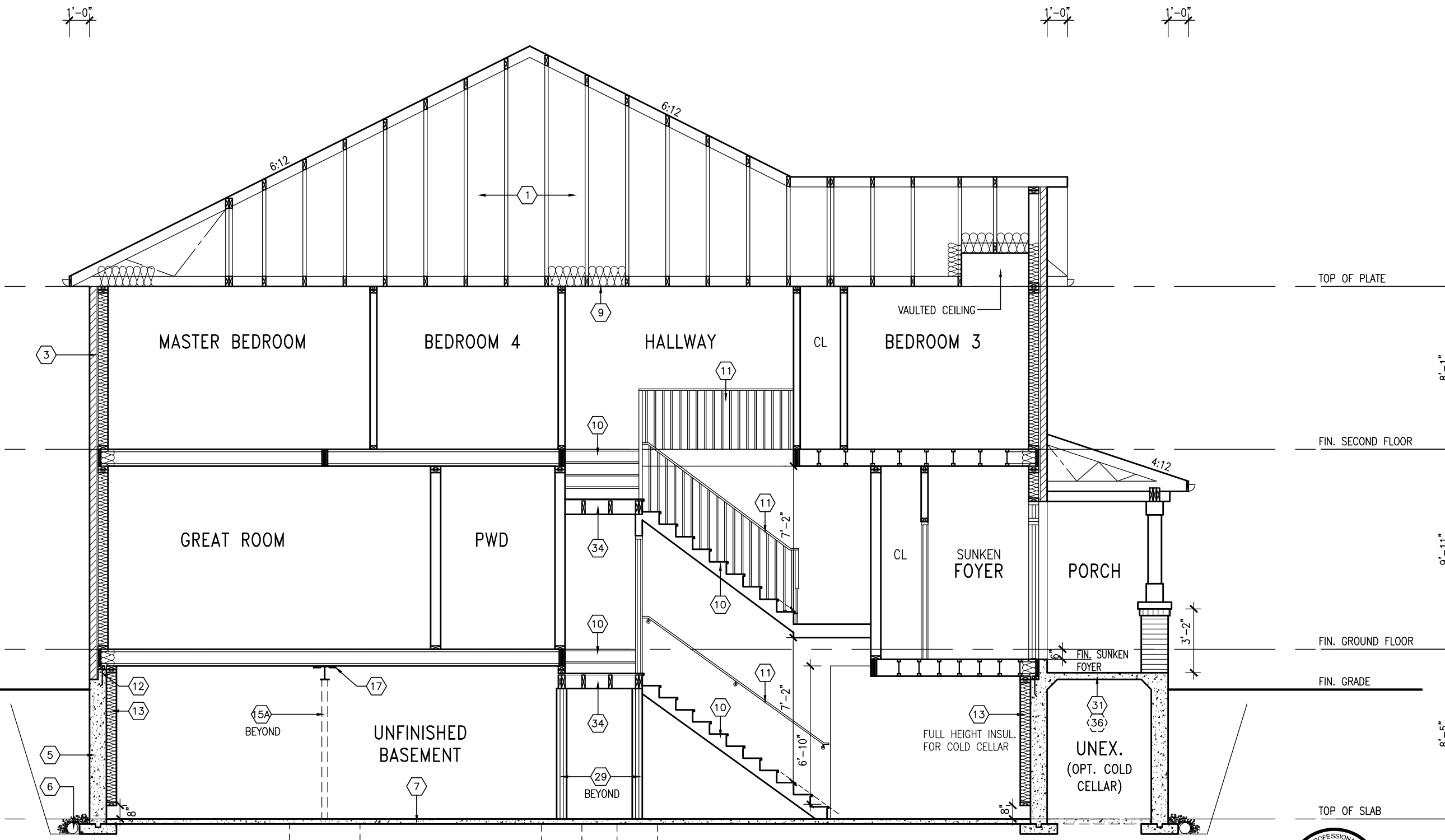
4 . REVISED AS PER ENG'S COMMENTS DEC 05-18 RC

3 . REV. AS PER FLOOR TRUSS MANUF. LAYOUTS NOV. 02/18 NH

2 . REV. AS PER ROOF TRUSS COMMENTS. OCT. 29/18 WT

1 . ISSUED FOR CLIENT REVIEW APR 2018 VA3

no. description date by



CROSS SECTION 'A-A'

NOTE:
REFER TO FRONT ELEVATION FOR
TYPICAL NOTES



DEC 6, 2018

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 BCIN	
5		.		signature 42658	
4		.		contract information	
3		REV. AS PER ENG'S COMMENTS		DEC 05-18 RC	
2		REV. AS PER FLOOR TRUSS MANUF. LAYOUTS		NOV. 02/18 NH	
1		REV. AS PER ROOF TRUSS COMMENTS		OCT. 29/18 WT	
1		ISSUED FOR CLIENT REVIEW		APR 2018	
no.		description		date by	

TH-6E THE COLUMBUS 4		BAYVIEW WELLINGTON		PASSAGES ON THE CANAL ST. CATHERINES, ON.		project no. 15009	
drawing no. 9		CROSS SECTION 'A-A'		checked by 3/16" = 1'-0"		scale	
date DEC 2017		drawn by BD.BIM		checked by		file name 15009-TH6E	
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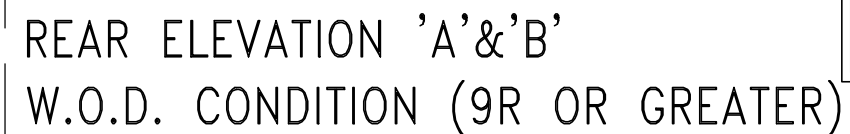
VA3

DESIGN

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DEC 6, 2018



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va3design.com

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

signature

25591

BCON

name

registration information

WA3 Design Inc.
42658

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BAYVIEW WELLINGTON	TH-6E THE COLUMBUS 4
project name PASSAGES ON THE CANAL	project no. 15000
municipality ST CATHERINES ON	

drawing no.	10	date DEC 2017	scale $\frac{3}{16}" = 1'-0"$	drawn by B.D.BIM	file name 15009-TH6E
APPROVED ON THE DRAWING			WOD PART. PLANS & ELEVATION		
S.T. CATTELLI, INC.			H:\ARCHIVE\WORKING\2015\15009 BW\Units\15009-TH6E.dwg — Thu — Dec 6 2018 — 10:59 AM		

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STONE IMPOST @45
W/ 1/2" PROJ.

PREFIN. MTL. FLASHING

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

DBL. BRICK ROWLOCK ON
4" BRICK STACK BOND
W/ 1/2" PROJ. (TYP.)

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

PRECAST CONC. SILL

PRECAST CONC. SILL ON
BRICK ROWLOCK BAND

VINYL CLAD STRUCTURAL
STL. FRAME BASEMENT
WINDOW (TYP.)

REAR UPGRADE ELEVATION 'A'



STONE IMPOST @45
W/ 1/2" PROJ.

PREFIN. MTL. FLASHING

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

DBL. BRICK ROWLOCK ON
4" BRICK STACK BOND
W/ 1/2" PROJ. (TYP.)

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

PRECAST CONC. SILL

PRECAST CONC. SILL ON
BRICK ROWLOCK BAND

VINYL CLAD STRUCTURAL
STL. FRAME BASEMENT
WINDOW (TYP.)

REAR UPGRADE ELEVATION 'B'



TOP OF PLATE

TOP OF WINDOW

6'-10"

8'-1"

FIN. SECOND FLOOR

TOP OF TRANSOM

TOP OF WINDOW/
DOOR

6'-10"

9'-11"

FIN. GROUND FLOOR

FIN. GRADE

8'-5"

TOP OF SLAB



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 BCN

signature

name

registration information

VA3 Design Inc. 42658

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no.	description	date	by
9.			
8.			
7.			
6.			
5.			
4.	REVISED AS PER ENG'S COMMENTS	DEC 05-18	RC
3.	REV. AS PER FLOOR TRUSS MANUF. LAYOUTS	NOV. 02/18	NH
2.	REV. AS PER ROOF TRUSS COMMENTS	OCT. 29/18	WT
1.	ISSUED FOR CLIENT REVIEW	APR 2018	VA3

BAYVIEW WELLINGTON

TH-6E
THE COLUMBUS 4

project name
PASSAGES ON THE CANAL

municipality
ST. CATHERINES, ON.

project no.
15009

drawing no.
11

date
DEC 2017

drawn by
BD:BM

checked by
-

scale
3/16" = 1'-0"

file name
15009-TH6E

date
DEC 6 2018 - 10:59 AM

author
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REAR UPGRADE ELEVATION 'A'
W.O.D. CONDITION (9R OR GREATER)

BASEMENT WINDOW SIZES
4R-8R USE 30"x24" VINYL
CLAD STRUCTURAL STEEL
FRAME BASEMENT WINDOWS

STONE IMPOST @45
W/ 1/2" PROJ.

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

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

PRECATS CONC. HEADER
W/ 1/2" PROJ. (TYP.)

DBL. BRICK ROWLOCK ON
4" BRICK STACK BOND
W/ 1/2" PROJ. (TYP.)

PRECAST CONC. SILL

PRECAST CONC. SILL ON
BRICK ROWLOCK BAND

42" HIGH P.T. RAILING
W/ PICKETS @ 4" O.C.
W/ 4"x4" MIDPOST @
5'-0" O.C. MAX. (TYP.)

6"x6" P.T. WOOD POST
BOLTED TO GALV METAL
SHOE SET INTO 12" DIA.
CONC. PIER TO EXTEND 6"
ABOVE AND 4'-0" BELOW
GRADE.



REAR UPGRADE ELEVATION 'B'
W.O.D. CONDITION (9R OR GREATER)

NOTE:
REFER TO FRONT ELEVATION FOR
TYPICAL NOTES



TOP OF PLATE

TOP OF WINDOW

6'-10"

8'-11"

FIN. SECOND FLOOR

TOP OF TRANSOM

TOP OF WINDOW/
DOOR

1'-0"

6'-10"

9'-11"

FIN. GROUND FLOOR

TOP OF WINDOW

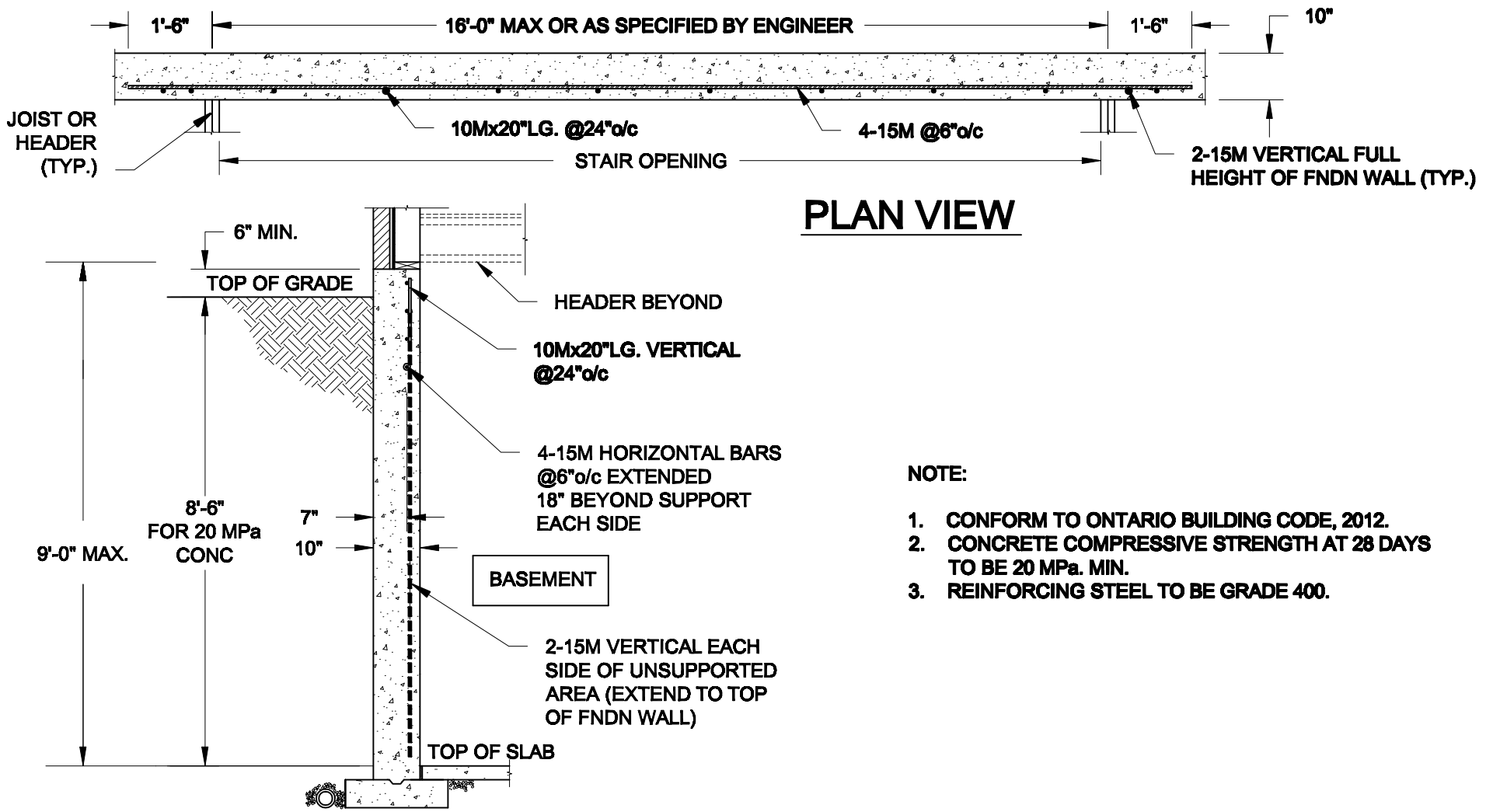
6'-10"

8'-5"

FIN. GRADE

TOP OF SLAB

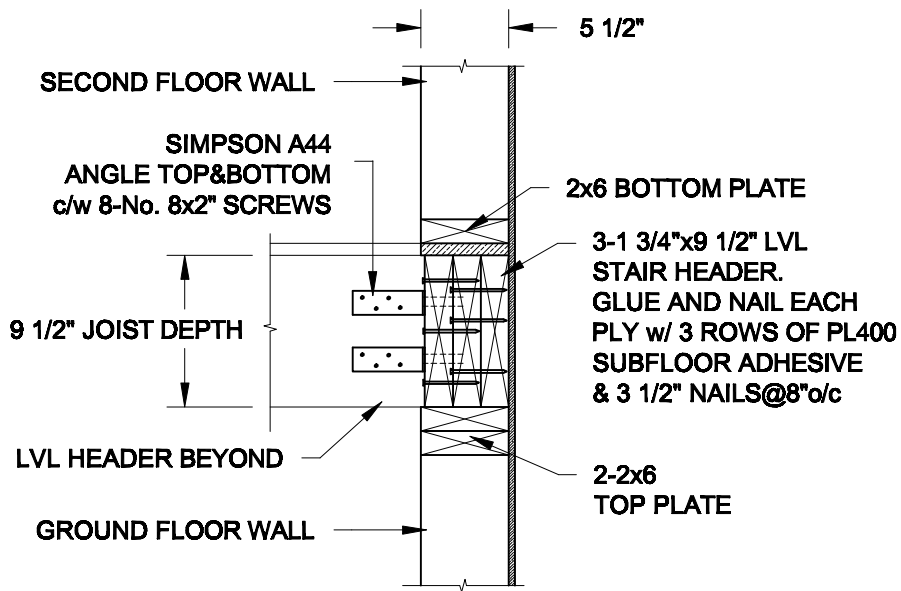
TH-6E THE COLUMBUS 4		BAYVIEW WELLINGTON		PASSAGES ON THE CANAL ST. CATHERINES, ON.		project no. 15009	
				REAR UPGRADE ELEVATION 'A'/'B' WOD COND.		drawing no. 12	
				date DEC 2017		file name 15009-TH6E	
				drawn by BD.BIM		scale 3/16" = 1'-0"	
				checked by RICHARD		date DEC 6 2018	
				H:\ARCHIVE\WORKING\2015\15009-BW\Units\15009-BW.dwg		Thu - Dec 6 2018 - 10:59 AM	
				VA3 DESIGN		VA3 DESIGN	
				255 Consumers Rd Suite 120		VA3 DESIGN	
				Toronto ON M2J 1R4		VA3 DESIGN	
				t 416.630.2255 f 416.630.4782		VA3 DESIGN	
				va3design.com		VA3 DESIGN	
				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		signature	
				name		signature	
				registration information		signature	
				VA3 Design Inc.		signature	
				DEC 05-18 RC		signature	
				NOV. 02/18 NH		signature	
				OCT. 29/18 WT		signature	
				APR 2018 VA3		signature	
				date		signature	
				description		signature	
				4. REVISED AS PER ENG'S COMMENTS		signature	
				3. REV. AS PER FLOOR TRUSS MANUF. LAYOUTS		signature	
				2. REV. AS PER ROOF TRUSS COMMENTS		signature	
				1. ISSUED FOR CLIENT REVIEW		signature	



1
S1

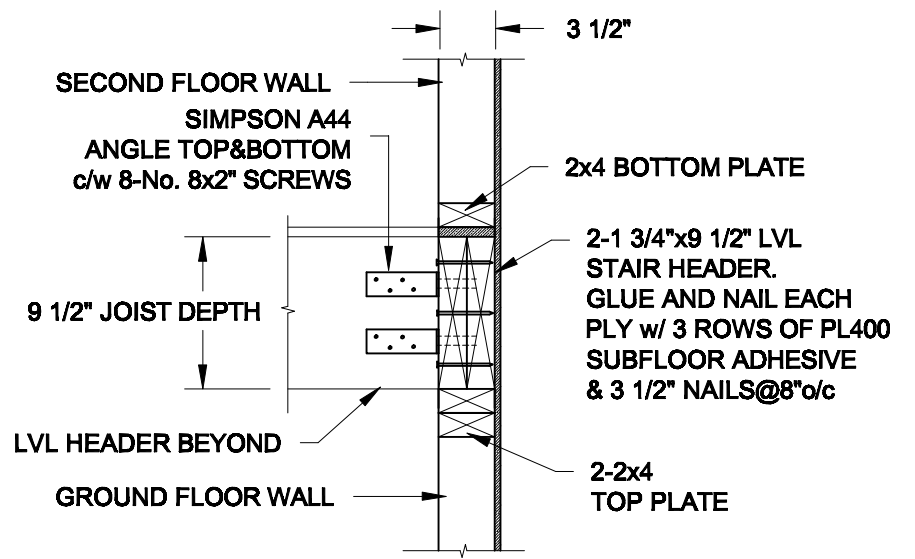
LATERALLY UNSUPPORTED WALL

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



2A HEADER @ EXTERIOR WALL

SCALE: 1" = 1'-0"



2B HEADER @ PARTY WALL

SCALE: 1" = 1'-0"

Scale:
AS NOTED

Date:
NOV-26-2018

Drawn: SC
Checked: SJB

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Project:

BAYVIEW WELLINGTON HOMES - ST. CATHERINES TOWNS
ST. CATHERINES, ONTARIO

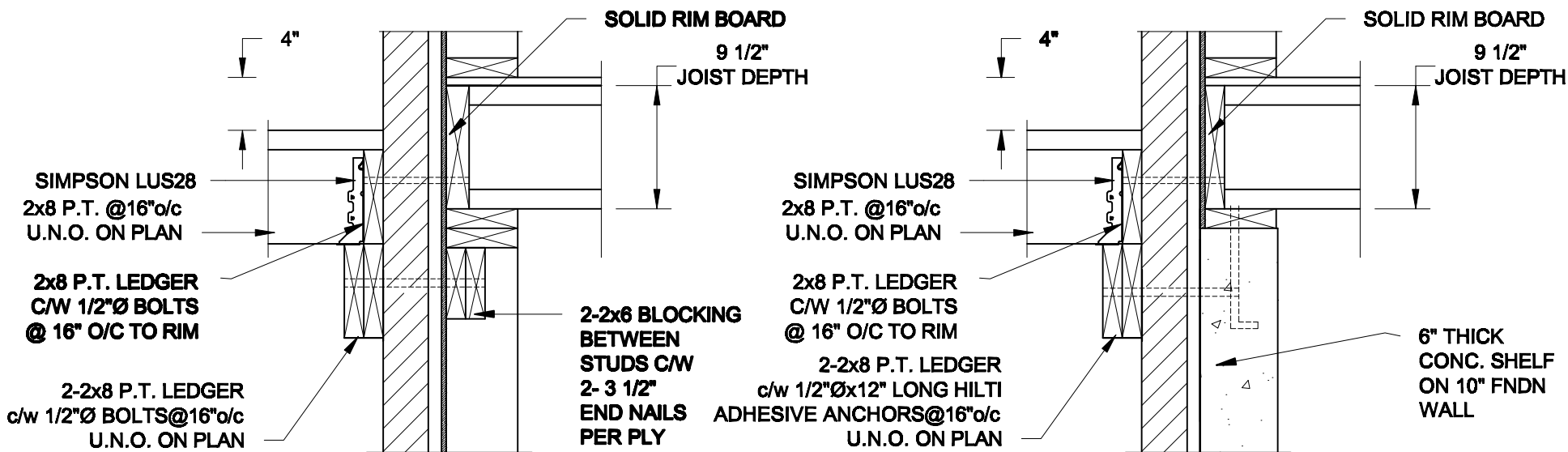
TYPICAL STRUCTURAL DETAILS

Project No.:

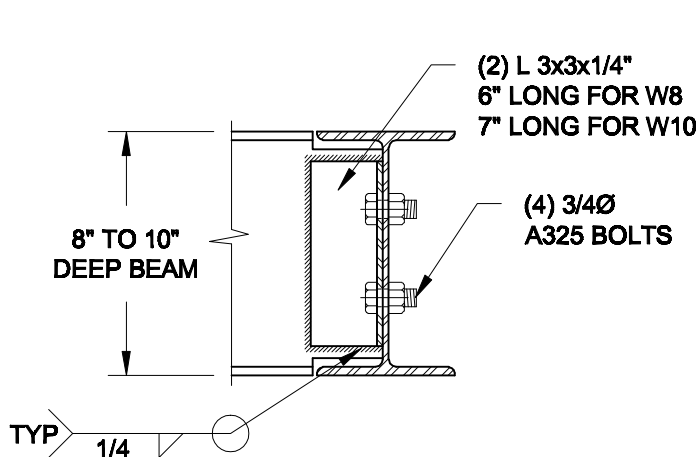
18-226

Drawing No.:

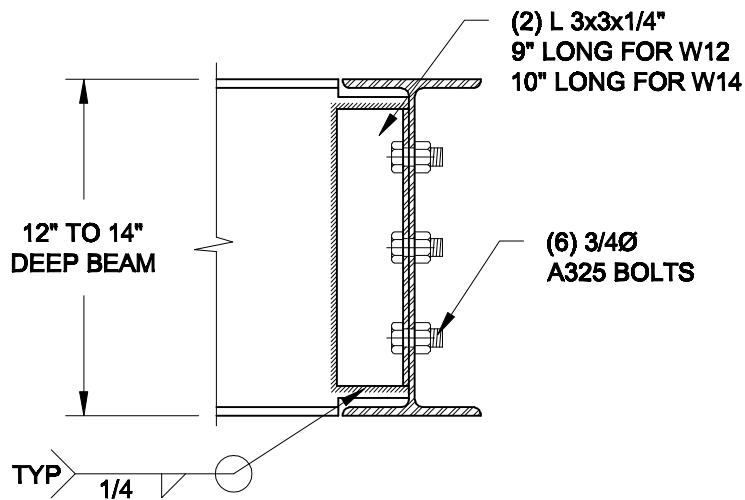
S1



- NOTES: 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.



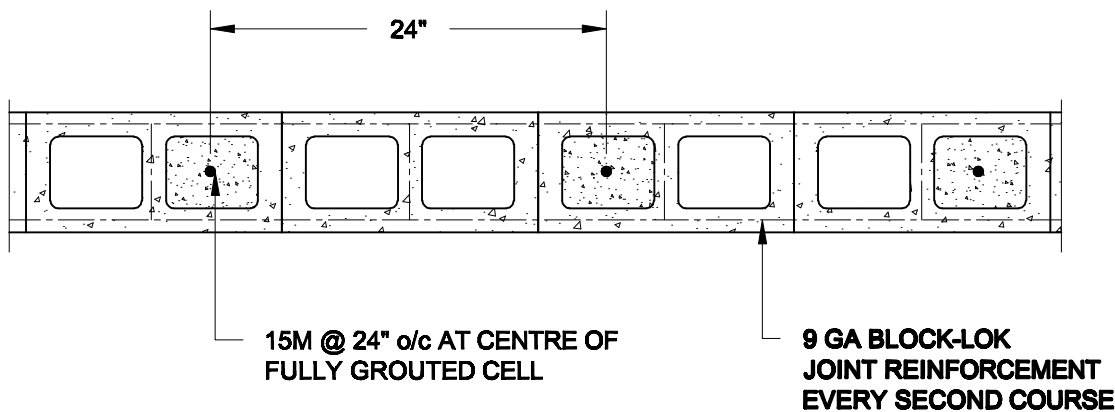
NOTE: DETAIL IS APPLICABLE TO W8x40 (W200x59) BEAM MAX AND W10x39 (W250x58) BEAM MAX.



NOTE: DETAIL IS APPLICABLE TO W12x58 (W310x86) BEAM MAX AND W14x48 (W380x72) BEAM MAX.

2 STEEL BEAM CONNECTION DETAIL

SCALE: 1-1/2" = 1'-0"



3 PLAN OF FIREWALL AT 2 STOREY CONDITION

SCALE: 1" = 1'-0"

Scale:
AS NOTED

Date:
NOV-28-2018

Drawn:
SC

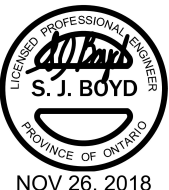
Checked:
SJB

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Project:

BAYVIEW WELLINGTON HOMES - ST. CATHERINES TOWNS
ST. CATHERINES, ONTARIO

TYPICAL STRUCTURAL DETAILS

Project No.:

18-226

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"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., 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"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") (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. FIG. BRACE FDTN. WALL PRIOR TO BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED ENGINEERED FILL. WITH MIN. BEARING CAPACITY OF 150kPa OR GREATER. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED FOOTINGS ARE REQUIRED.

STOREYS SUPPORTED	W/ MASONRY VENEER	W/ SIDING ONLY
1	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 EQUIV. 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-72-94. 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(.188) FIXED STL. COL. WITH 150x150x9.5 (6"x6"x3/8") STL. TOP & BOTTOM PLATE ON 1070x1070x460 (42"x42"x18"). CONC. FOOTING ON UNDISTURBED SOIL OR ENGINEERED FILL CAPABLE OF SUSTAINING A PRESSURE OF 150 Kpa. MIN. AND AS PER SOILS REPORT.

STEEL COLUMN

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

BEAM POCKET OR 300x150 (12"x6") POURED CONC. NIB WALLS. MIN. BEARING 900mm (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"). MAX. VERT. 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 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.

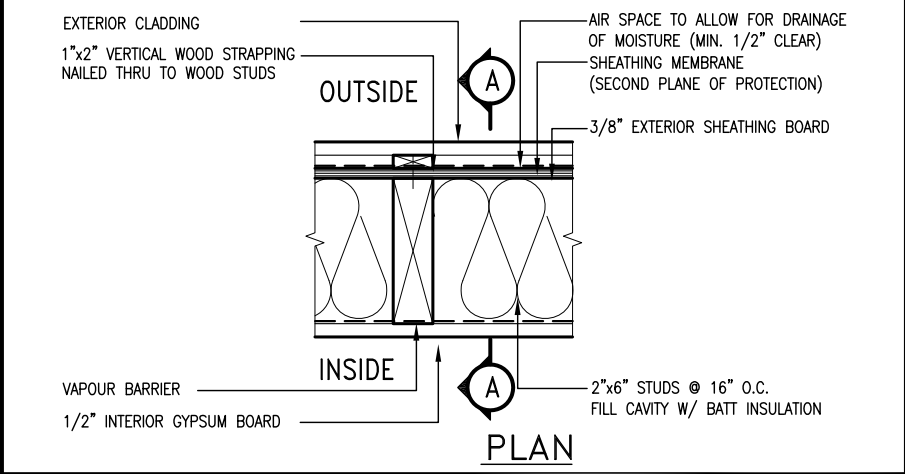
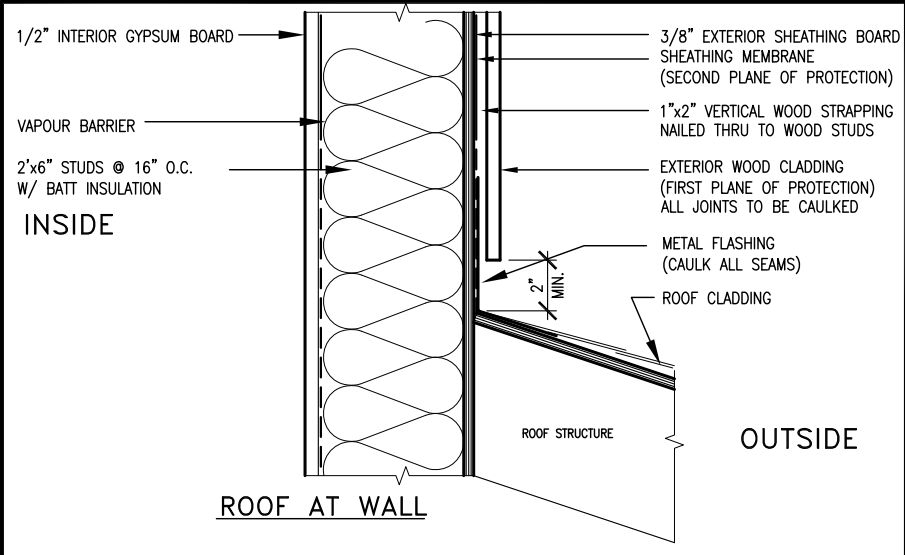
7) JOIST HANGERS: PROVIDE METAL HANGERS FOR ALL JOISTS AND BUILT-UP WOOD MEMBERS INTERSECTING FLUSH BUILT-UP WOOD MEMBERS.

8) WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE. IN CONTACT WITH CONCRETE, SHALL BE SEPARATED FROM THE CONCRETE BY AT LEAST 2 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.

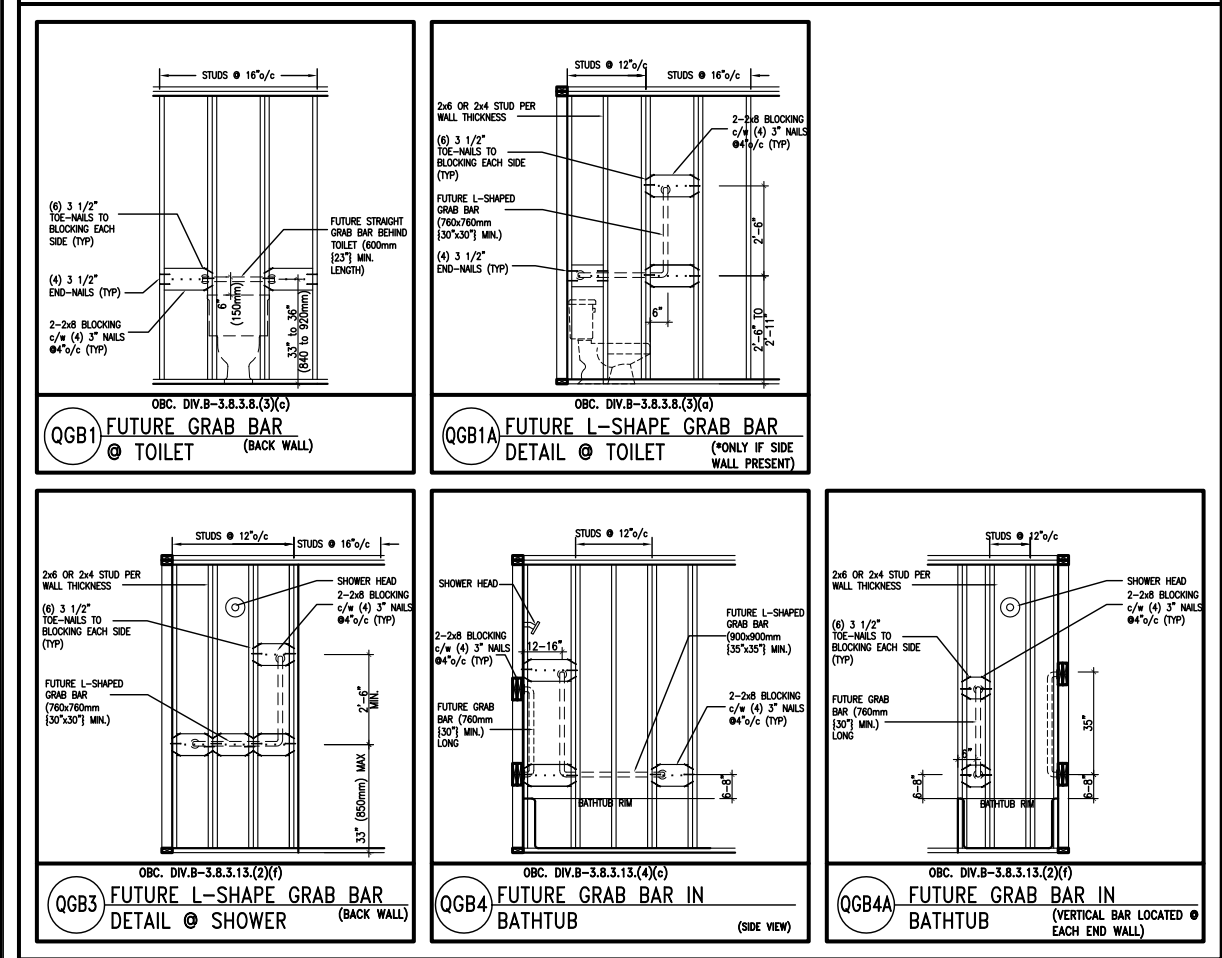
2) REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

STUCCO: 1)



EXTERIOR WOOD CLADDING WALL ASSEMBLY

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



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

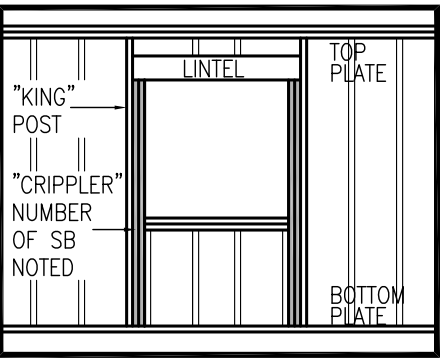
NOTES:
1. FOR ROOF DESIGN SNOW LOAD OF UP TO 2.5 KPa.
SUPPORTED ROOF TRUSS LENGTH OF 6.0m AND FLOOR JOIST LENGTH OF 2.5m OF ONE FLOOR.
2. PROVIDE HORIZONTAL SOLID BLOCKING @ 1200 O.C. (4'-0")
3. PROVIDE A MINIMUM OF 9.5mm (3/8") PLYWOOD OR OSB EXTERIOR SHEATHING ON THE EXTERIOR FACE.
4. FOR A 1/50 YEAR 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"x6" EXTERIOR WALL IS AS FOLLOW:**
2"x6" @ 16" O.C. - 12'-6"
2"x6" @ 12" O.C. - 13'-10"
2'-2"x6" @ 16" O.C. - 15'-0"
2'-2"x6" @ 12" O.C. - 17'-4"

MAX. HEIGHT FOR 2"x8" EXTERIOR WALL IS AS FOLLOWS:
2"x8" @ 16" O.C. - 16'-0"
2"x8" @ 12" O.C. - 17'-9"
2'-2"x8" @ 16" O.C. - 20'-4"
2'-2"x8" @ 12" O.C. - 22'-4"

NOTES:
1. FOR ROOF DESIGN SNOW LOAD OF UP TO 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**



"CRIPPLE" DETAIL

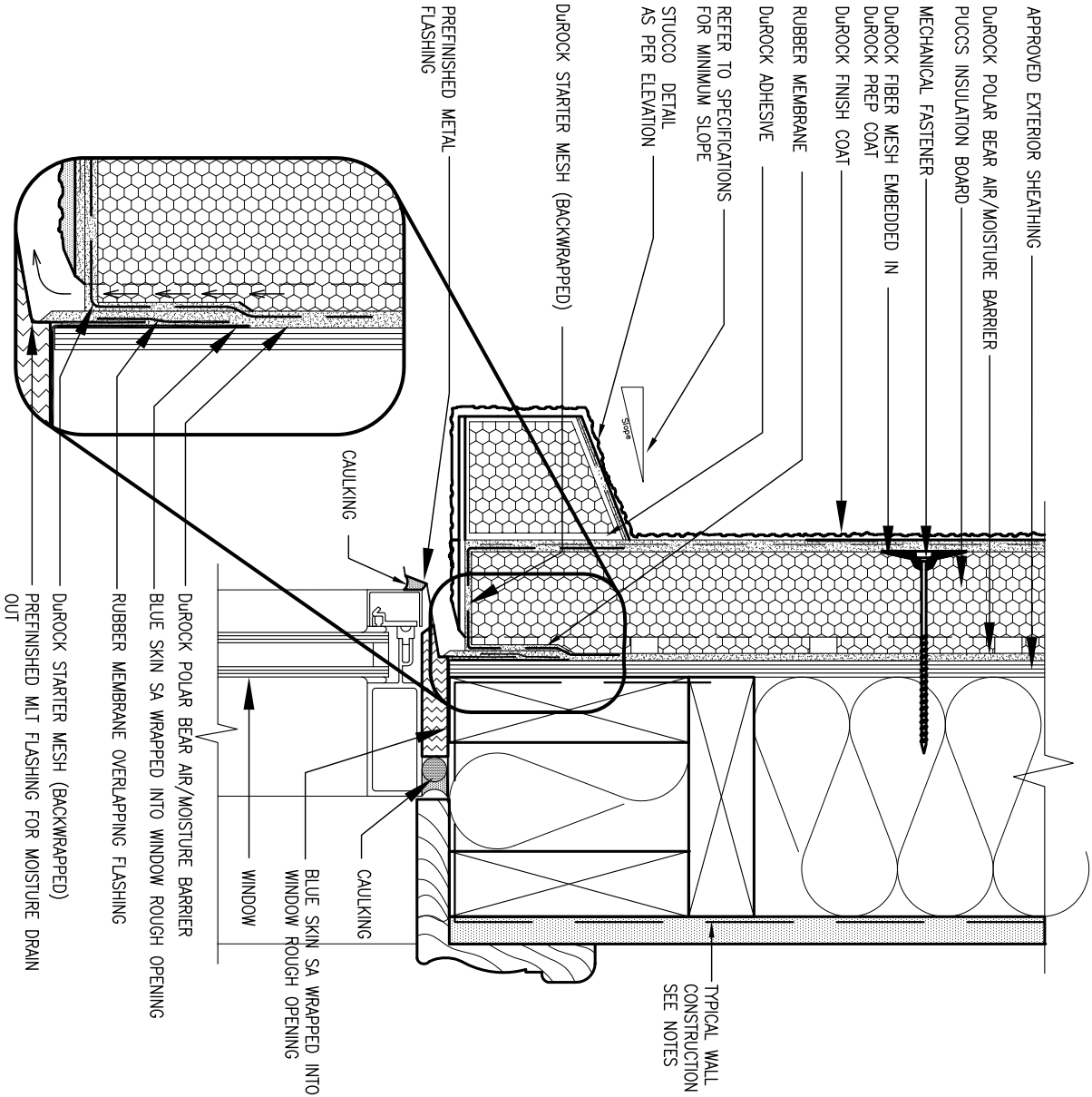


9	.	.	.	The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.
8	.	.	.	qualification information
7	.	.	.	Wellington Jno-Baptiste 25591
6	.	.	.	name registration information BCIN
5	.	.	.	VA3 Design Inc. 42658
4	.	.	.	
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.
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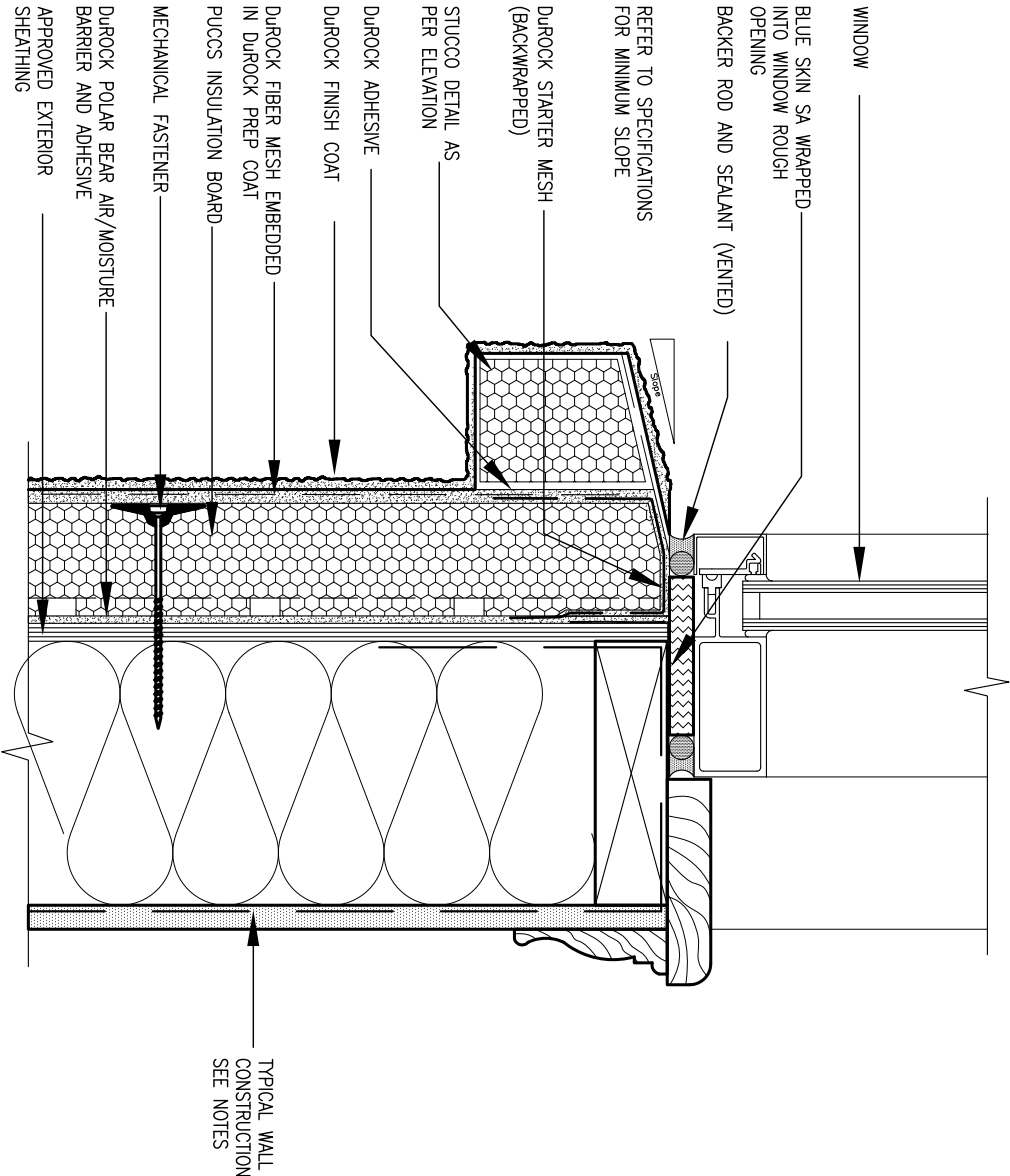
255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON		CONST NOTE	
project name	ST. CATHERINES, ON	project no.	15009
date	MAY 2016	CONSTRUCTION NOTES	drawing no.
drawn by	RC	checked by	15009-CN-A1
scale	3/16" = 1'-0"	file name	CN2
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1 WINDOW HEADER
CN3 SCALE: 3"=1'-0"

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



2 WINDOW SILL
CN3 SCALE: 3"=1'-0"

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1	ISSUE FOR CLIENT REVIEW	NOV 15-18	RC
no.	description	date	by

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Wellington Jno-Baptiste

25591

BCIN

name registration information

VA3 Design Inc.

42658

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BAYVIEW WELLINGTON

CONST NOTE

project name

PASSAGE ON THE CANAL

municipality

ST. CATHERINES, ON

project no.

15009

date

MAY 2016

checked by

RC

scale

3/16" = 1'-0"

file name

15009-CN-A1

CONSTRUCTION NOTES

no.

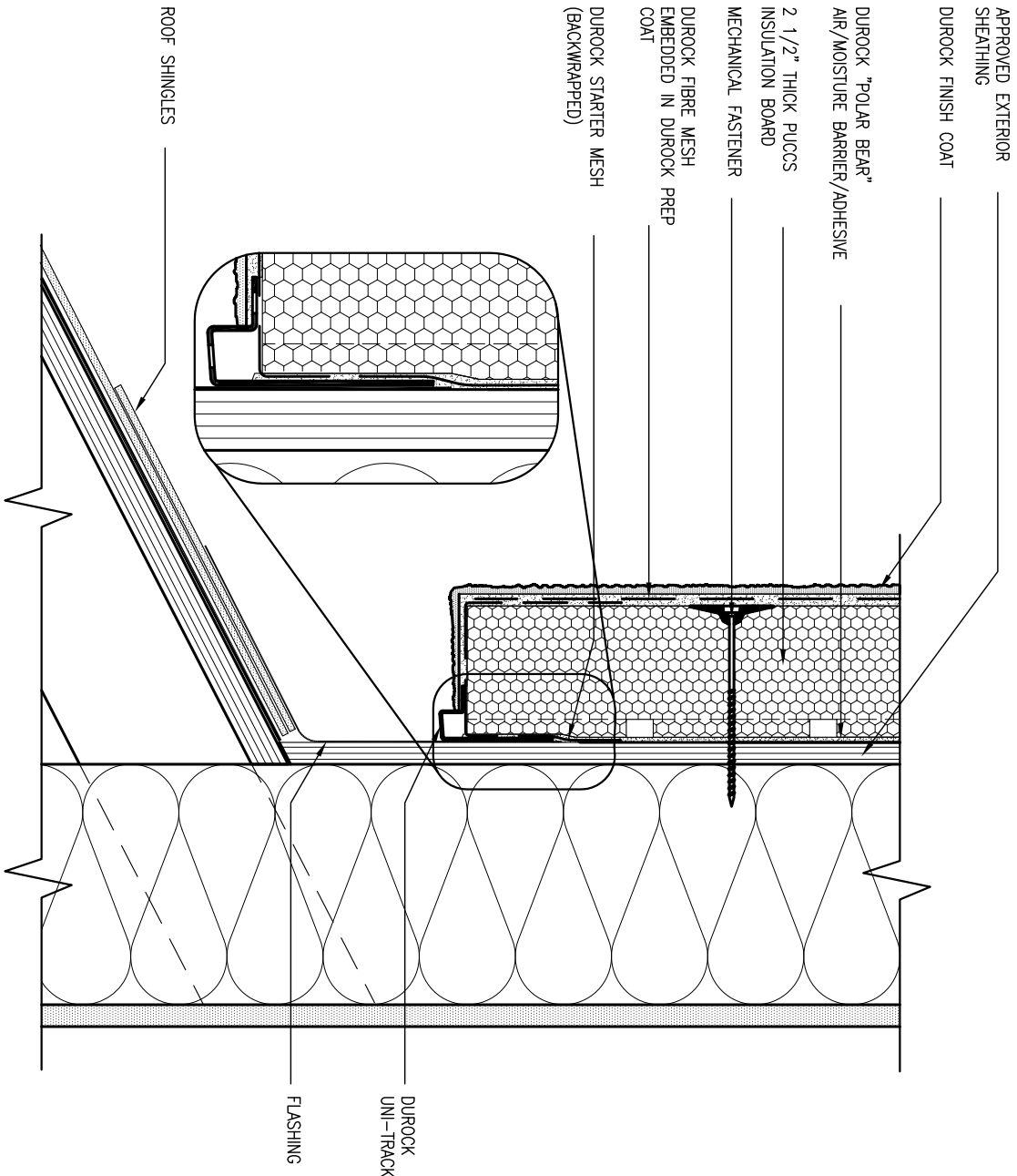
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date

by

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CN3

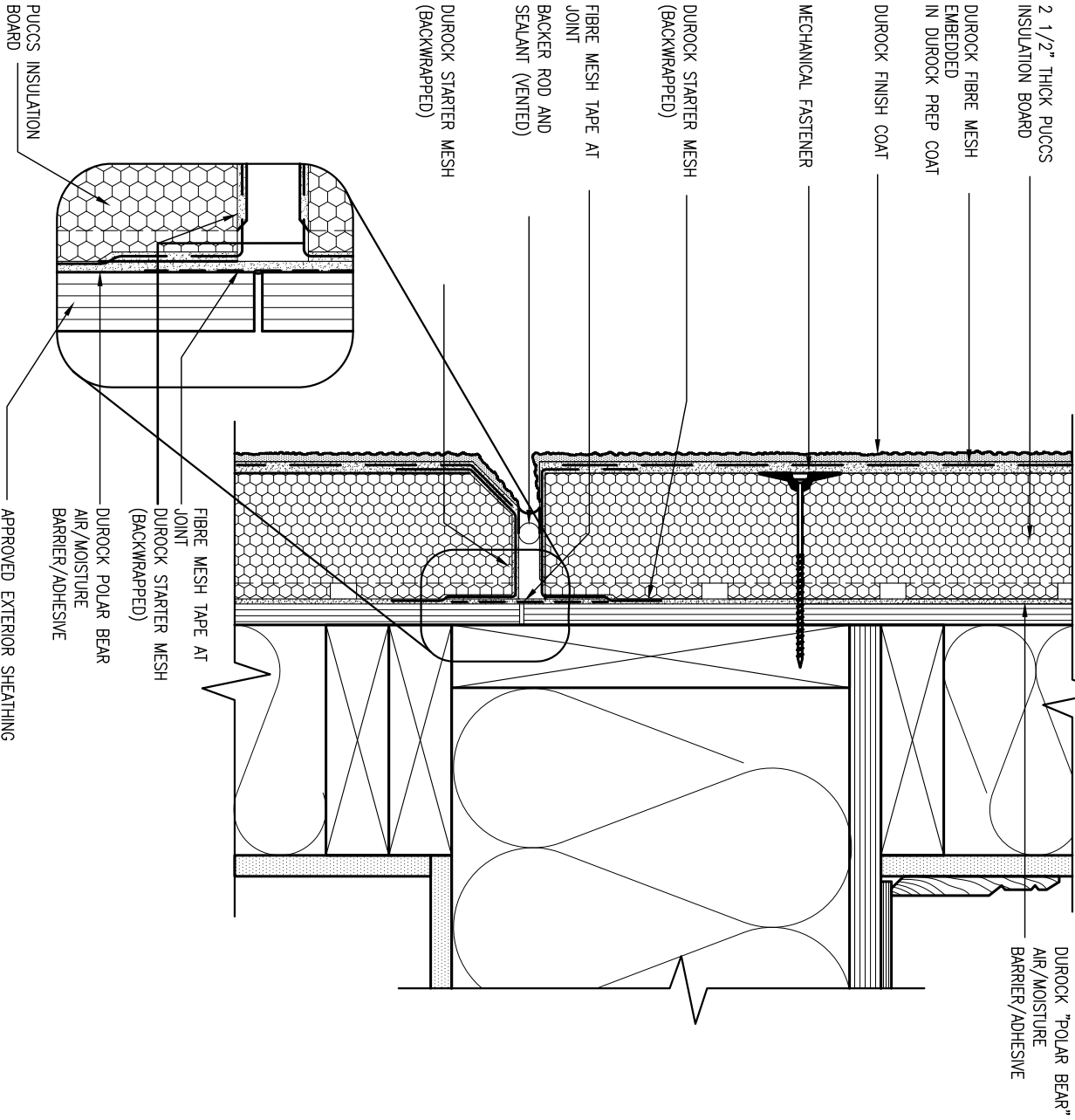


3 STUCCO TERMINATION @ ROOF

CN4 SCALE: 3"=1'-0"

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

DETAILS ARE BASED ON DUROCK PUCCS SYSTEM



4 HORIZONTAL EXPANSION JOINT

CN4 SCALE: 3"=1'-0"

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1	ISSUE FOR CLIENT REVIEW	NOV 15-18	RC
no.	description	date	by

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qualification information			
Wellington	Jno-Baptiste	25591	BCIN
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.			

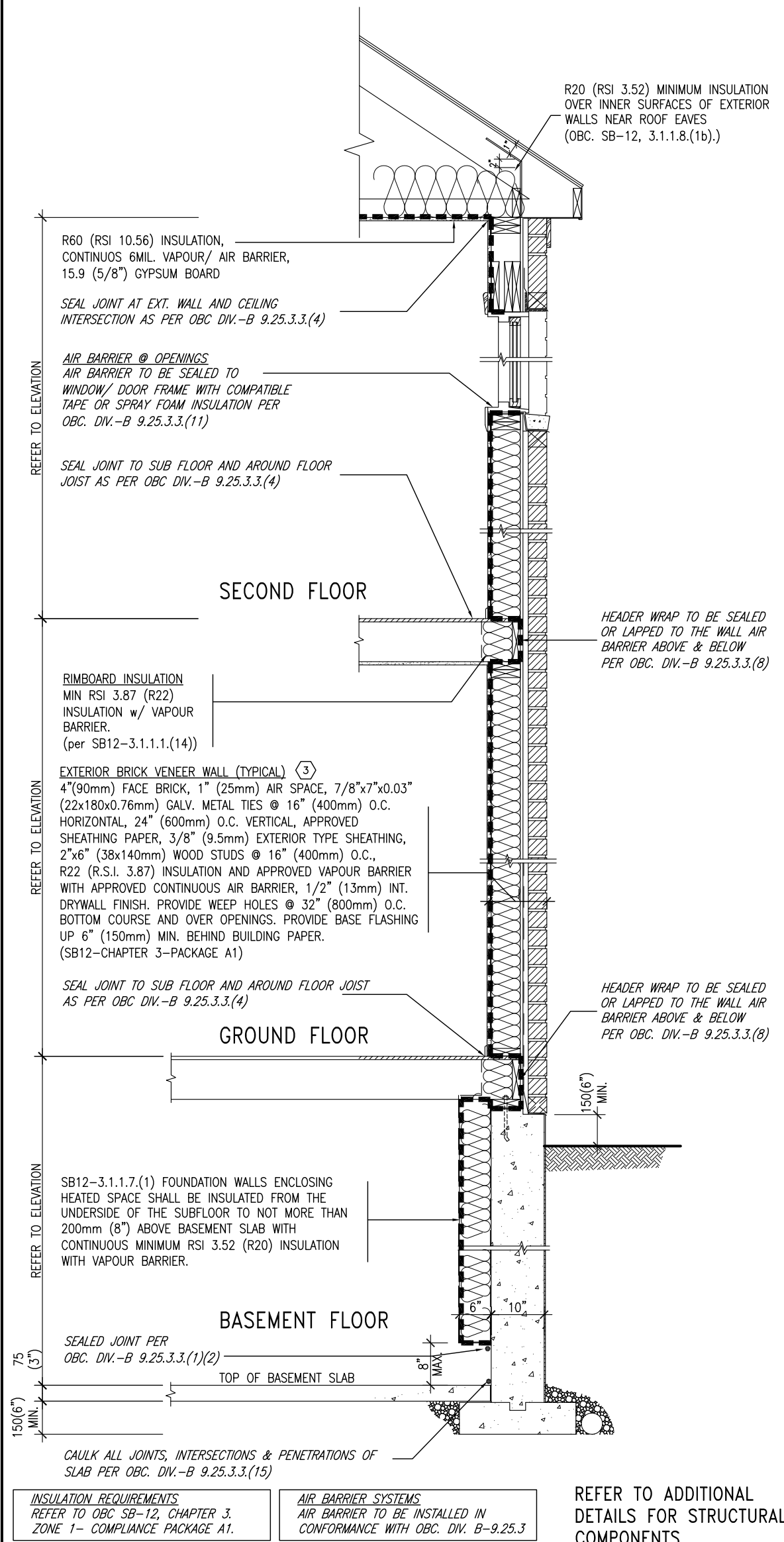
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va3design.com

BAYVIEW WELLINGTON			CONST NOTE	
project name			project no.	
PASSAGE ON THE CANAL			15009	
municipality			drawing no.	
ST. CATHERINES, ON			CN4	
date			CONSTRUCTION NOTES	
MAY 2016			file name	
drawn by			checked by	
RC			3/16" = 1'-0"	
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SB12-COMPLIANCE PACKAGE 'A1'



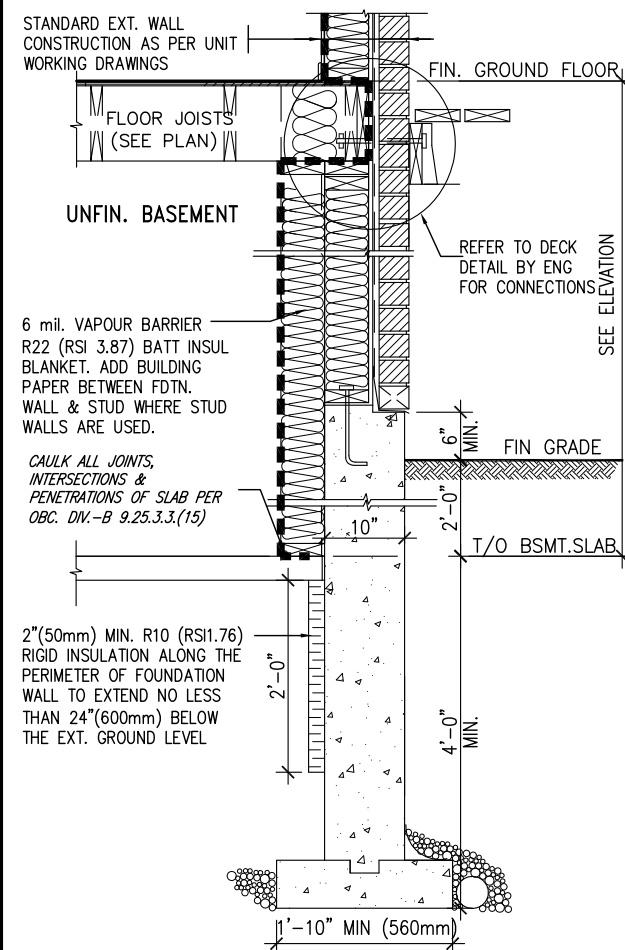
EW TYPICAL EXT. WALL AIR BARRIER CONTINUITY
SECTION w/ BRICK VENEER (PACKAGE A1)
10" FOUNDATION WALL
SCALE: N.T.S.

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	2.8U	
Maximum U-value		
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.

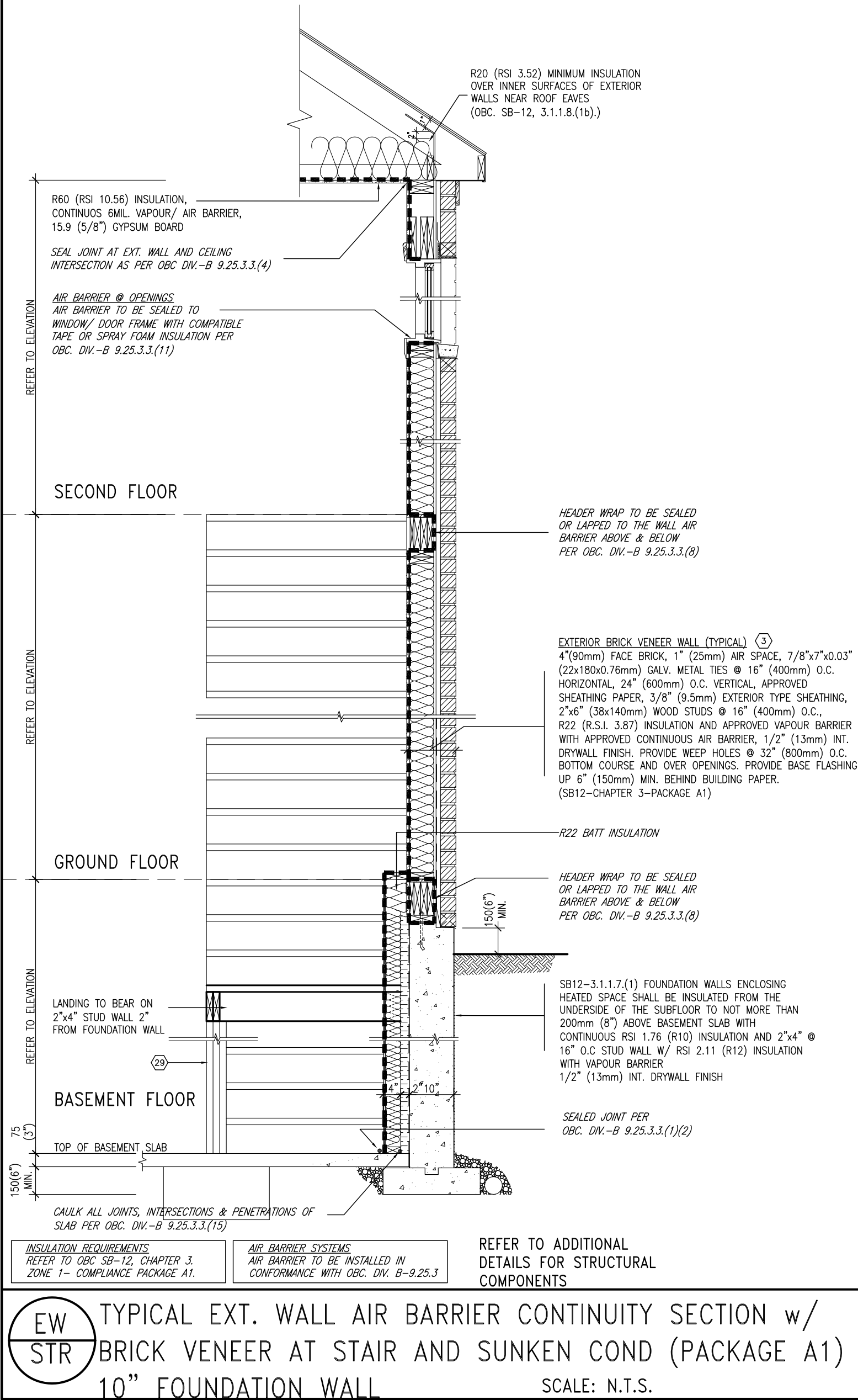


* REVISED-FEB 2017

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

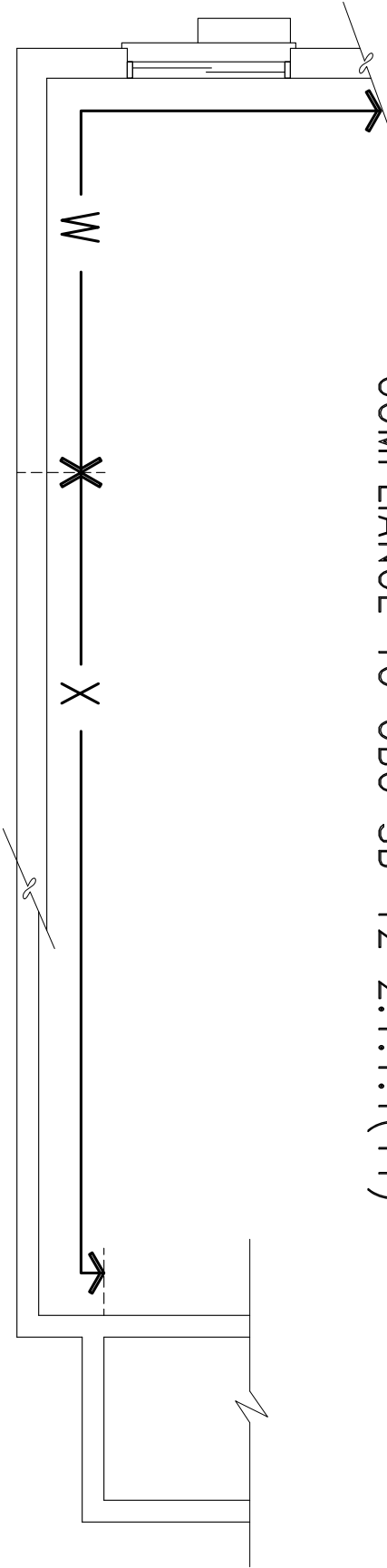
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8	.	.	.	qualification information				
7	.	.	.	Wellington Jno-Baptiste 25591 name signature BCIN				
6	.	.	.	registration information VA3 Design Inc. 42658				
5	.	.	.	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.	15009-CN-A1	CONSTRUCTION NOTES	file name	
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SB12-COMPLIANCE PACKAGE 'A1'



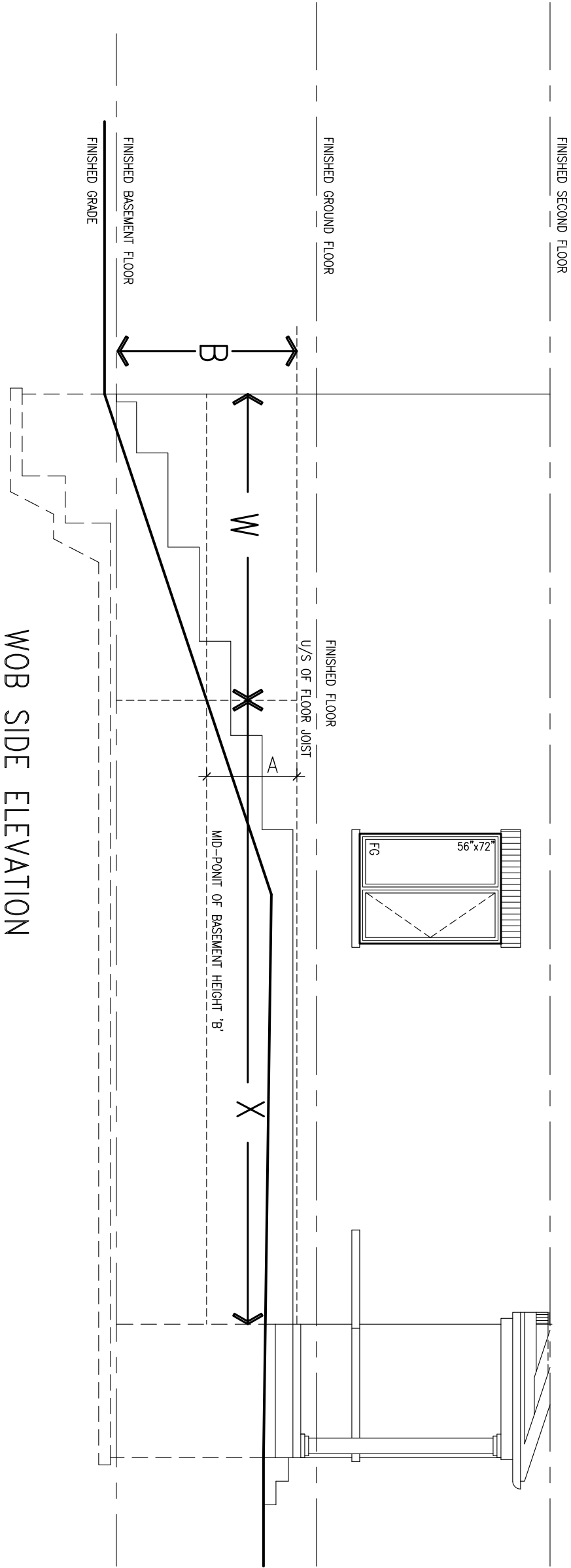
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8	.	.	.				
7	.	.	.				
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3	.	.	.	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.	date MAY 2016 drawn by RC checked by - scale 3/16" = 1'-0" file name 15009-CN-A1 RICHARD - H:\ARCHIVE\WORKING\2015\15009.BW\CONSTRUCTION NOTES\15009-CN-A1.dwg - Fri - Nov 16 2018 - 7:30 AM	drawing no. CN7	
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COMPLIANCE TO OBC SB-12 2.1.1.1(11)



DEC 19, 2018

WOB PLAN

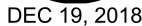


WOB SIDE ELEVATION

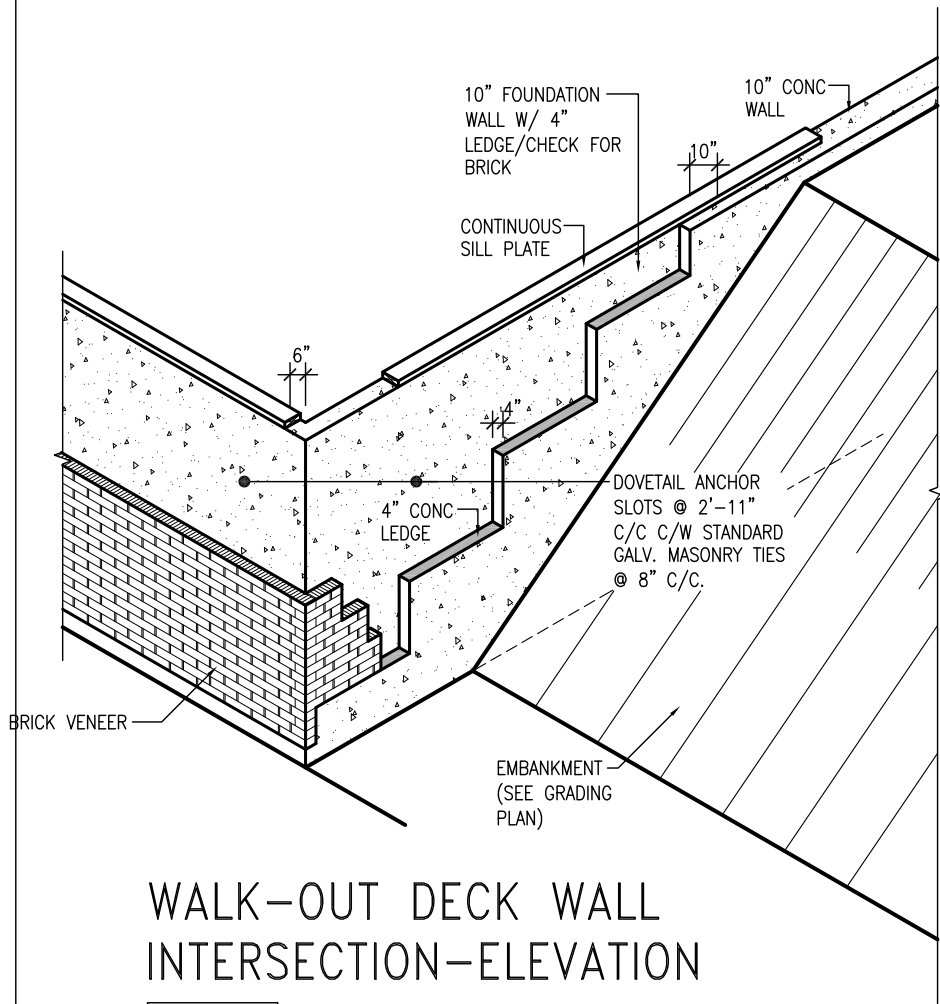
WHEN EXPOSED WALL "A" IS GREATER THAN 50% OF BASEMENT WALL HEIGHT "B" INSULATION VALUE FOR WALL IN SECTION "W" IS NOT LESS THAN IS REQUIRED FOR ABOVE GRADE WALL AS REQUIRED BY TABLE 2.1.1.2A

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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8	.	.	.			project name		project no.	
7	.	.	.			PASSAGE ON THE CANAL		15009	
6	.	.	.			ST. CATHERINES, ON		drawing no.	
5	.	.	.	date		CONSTRUCTION NOTES			
4	.	.	.	MAY 2016		file name			
3	.	.	.	drawn by		15009-CN-A1			
2	.	.	.	checked by		drawing no.			
1	ISSUE FOR CLIENT REVIEW	NOV 15-18	RC	scale		CN8			
no.	description	date	by	3/16" = 1'-0"		RICHARD - H:\ARCHIVE\WORKING\2015\15009.BW\CONSTRUCTION NOTES\15009-CN-A1.dwg - Fri - Nov 16 2018 - 7:29 AM			

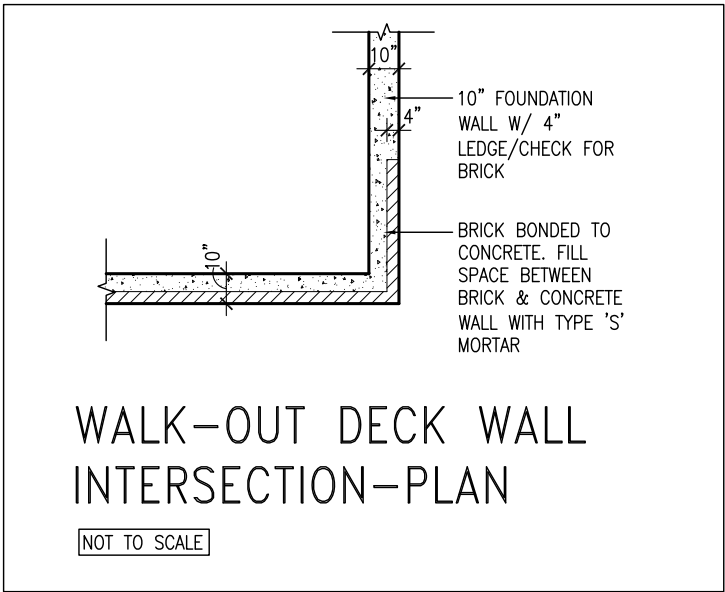


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WALK-OUT DECK WALL
INTERSECTION-ELEVATION

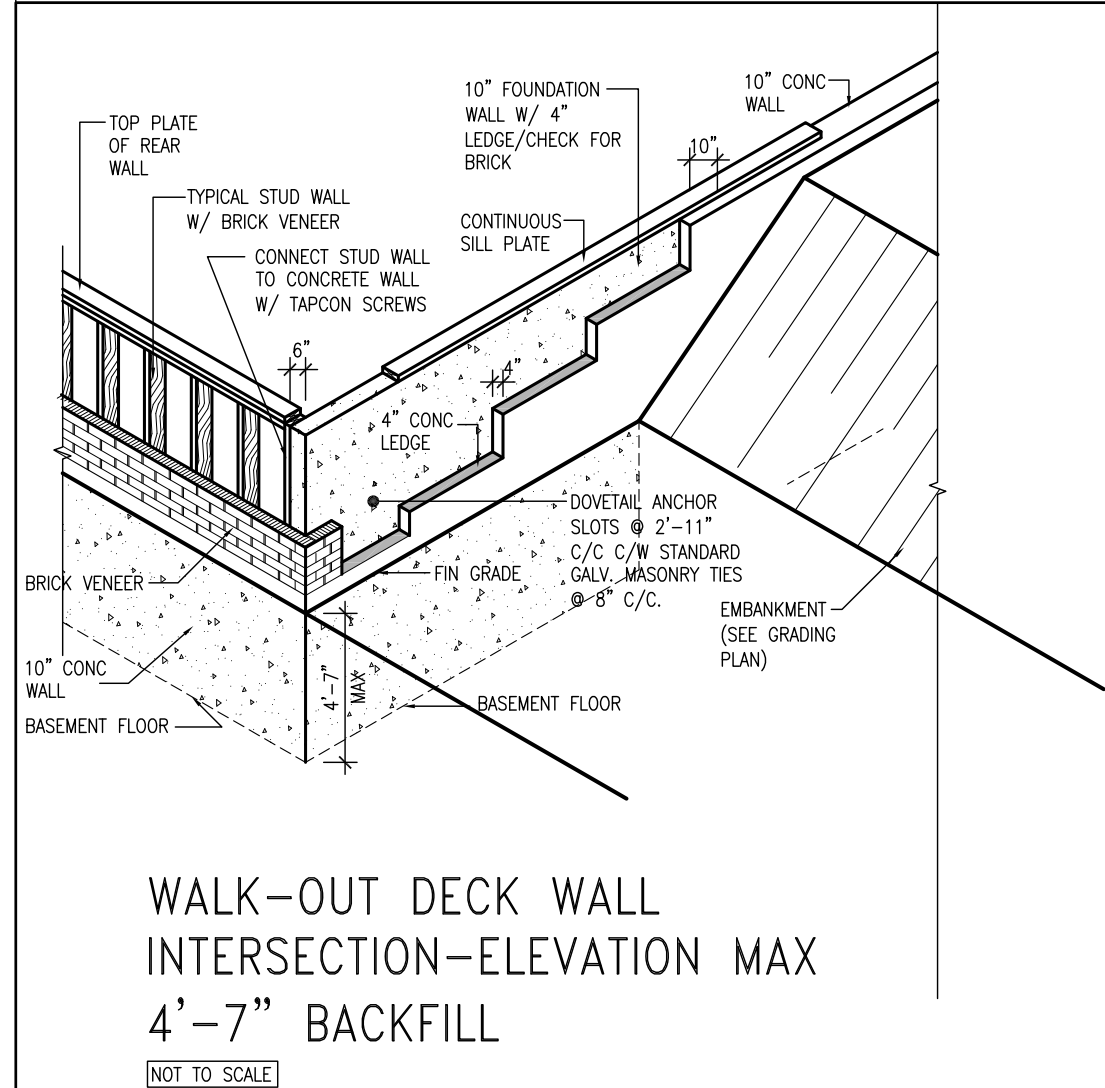
NOT TO SCALE



WALK-OUT DECK WALL
INTERSECTION-PLAN

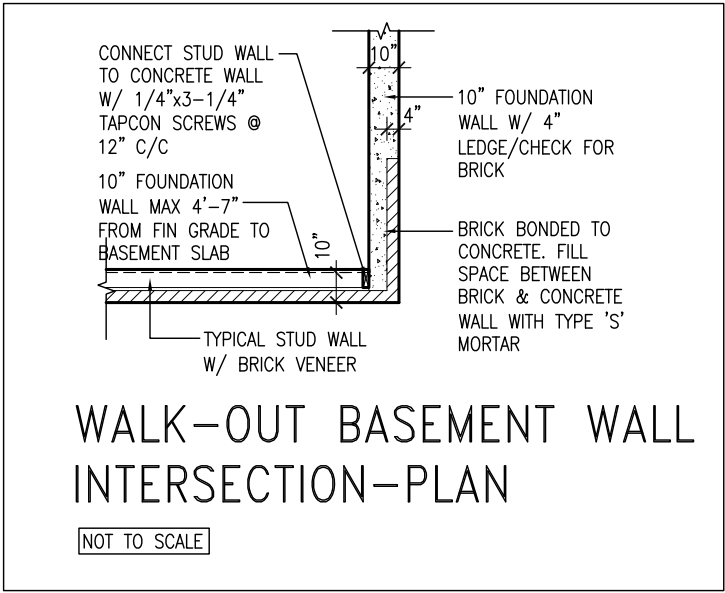
NOT TO SCALE

(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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8	.	.	.	qualification information			
7	.	.	.	Wellington Jno-Baptiste 25591 signature BCIN			
6	.	.	.	registration information VA3 Design Inc. 42658			
5	.	.	.	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.			
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no.	description	date	by				

project name	ST. CATHERINES, ON	municipality	project no.
PASSAGE ON THE CANAL			15009
date	MAY 2016	checked by	scale
RC			3/16" = 1'-0"
CONSTRUCTION NOTES		file name	drawing no.
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