

AREAS	ELEV 'A'	ELEV 'B'
Ground floor area	1191 SF	1191 SF
Second floor area	1567 SF	1566 SF
Subtotal	2758 SF	2757 SF
Deduct all open area	0 SF	0 SF
Total net area	2758 SF	2757 SF
Finished basement area	0000 SF	0000 SF
Coverage without porch	1626 SF	1626 SF
Coverage with porch	1702 SF	1702 SF
	158.13 SM	158.13 SM



BASEMENT FLOOR PLAN 'A'

AREA CHART ON PAGE 5

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

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

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

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

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

qualification information
Wellington Jno-Baptiste 25591

name registration information
VA3 Design Inc. 42658

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

VA3 DESIGN

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

BAYVIEW WELLINGTON

project name
ALCONA

date
NOV. 2015

drawn by
RC

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

municipality
INNISFIL, ONTARIO

S39-1
STARLING 1

project no.
13049

BASEMENT FLOOR PLAN 'A'

file name
13049-S39-1

drawing no.
1

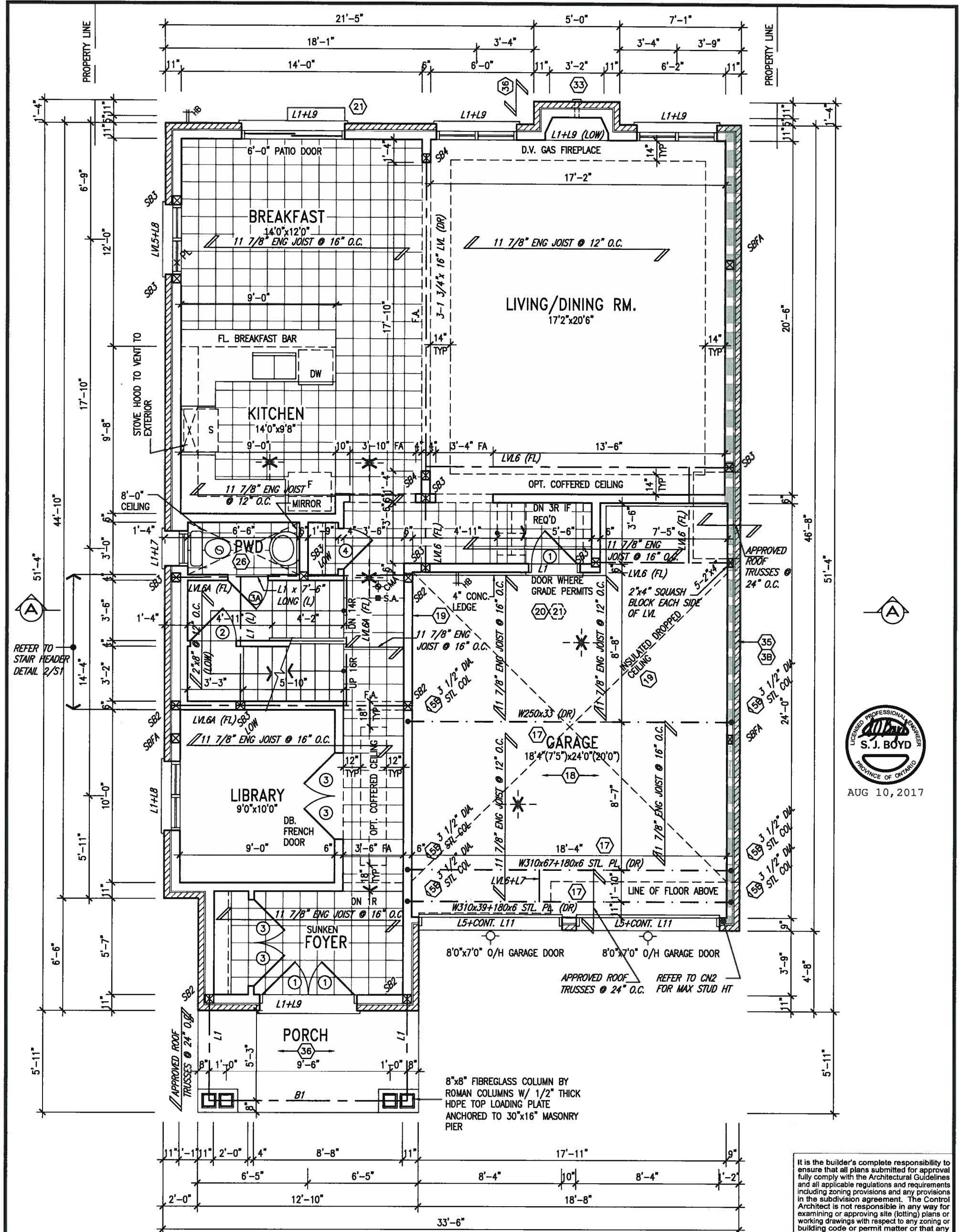
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ARCHITECTURAL REVIEW & APPROVAL

AUG 14 2017

John G. Williams Limited, Architect



GROUND FLOOR PLAN 'A'

NOTE: FLOOR FRAMING INFO REFER TO SHOP DRAWINGS FOR ALL TRUSS-JOIST INFORMATION AND DETAILS, UNLESS OTHERWISE NOTED.		
NOTE: ALL LVL'S SUPPORTING FLOOR LOADS ARE TO BE SPECIFIED BY FLOOR TRUSS MANUFACTURER.		
NOTE: SPACE ALL FLOOR JOISTS @ 12" O.C. UNDER ALL CERAMIC TILE AREAS.		
9.		The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.
8.		qualification information
7.		Wellington Jno-Baptiste 25591
6.		name
5.		registration information
4.		VA3 Design Inc. 42658
3.	REVISED AS PER ENG COMMENTS	AUG 01-17 RC
2.	REVISED TO 10" FOUNDATION WALLS	DEC 13-16 AJE
1.	ISSUED FOR CLIENT REVIEW	MAY 16-16 RC
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

project name	ALCONA	municipality	INNISFIL, ONTARIO
date	NOV. 2015	checked by	RC
drawn by	RC	scale	3/16" = 1'-0"

S39-1
STARLING 1

project no.	13049
drawing no.	2

GROUND FLOOR PLAN 'A'

13049-S39-1

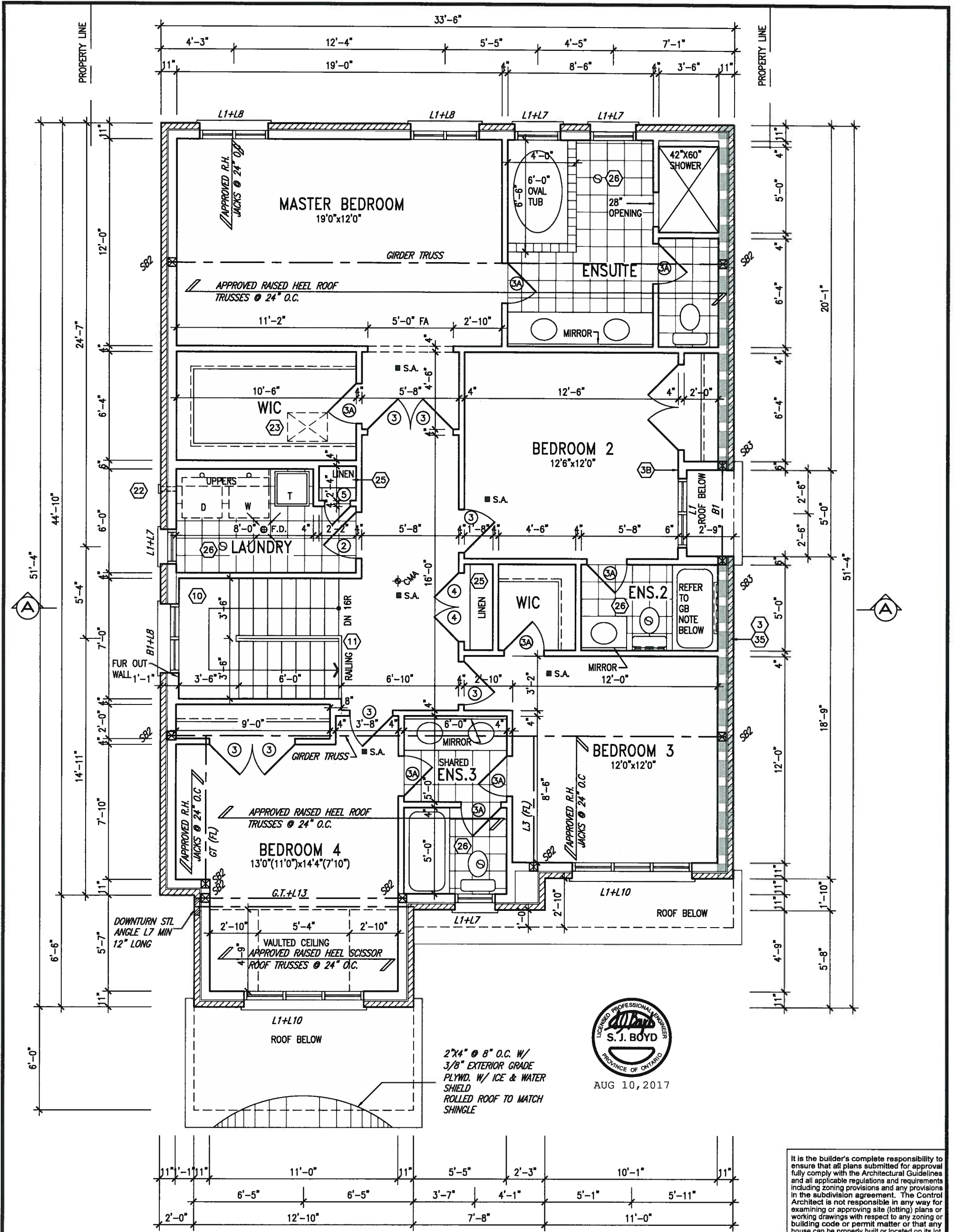
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ARCHITECTURAL REVIEW & APPROVAL

AUG 1 4 2017

John G. Williams Limited, Architect



STUD WALL REINFORCEMENT FOR FUTURE GRAB BARS IN MAIN BATHROOM
REINFORCEMENT OF STUD WALLS SHALL BE INSTALLED ADJACENT TO WATER CLOSETS AND SHOWER OR BATHTUB IN MAIN BATHROOM. REFER TO OBC, 9.5.2.3, 3.8.3.8.(3)(a), 3.8.3.8.(3)(c), 3.8.3.13.(2)(f) & 3.8.3.13.(4)(c). AND DETAILS PROVIDED.

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

SECOND FLOOR PLAN 'A'

INDICATES REDUCED SIDE YARD

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ARCHITECTURAL REVIEW & APPROVAL

AUG 14 2017

John G. Williams Limited, Architect

9.			
8.			
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BAYVIEW WELLINGTON

project name
ALCONA

date
NOV. 2015

drawn by
RC

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

municipality
INNISFIL, ONTARIO

project no.
13049

SECOND FLOOR PLAN 'A'

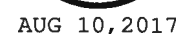
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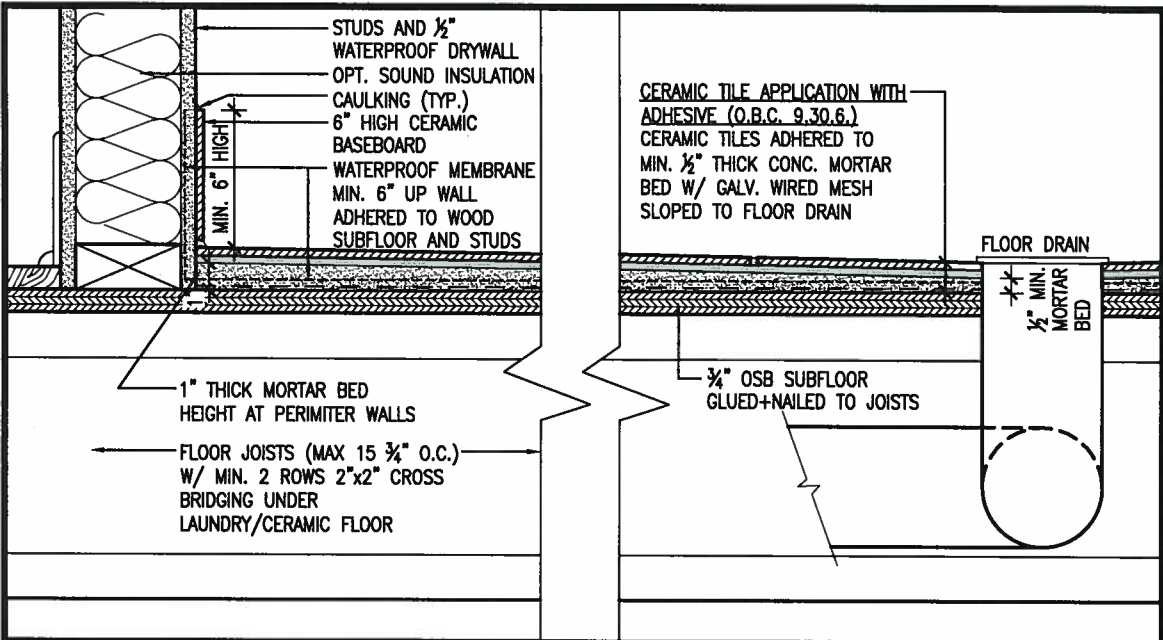
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S39-1
STARLING 1

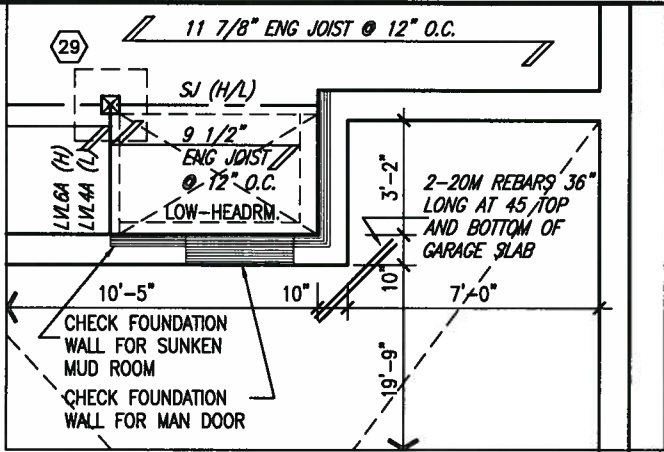
drawing no.
3

John G. Williams Limited, Architect

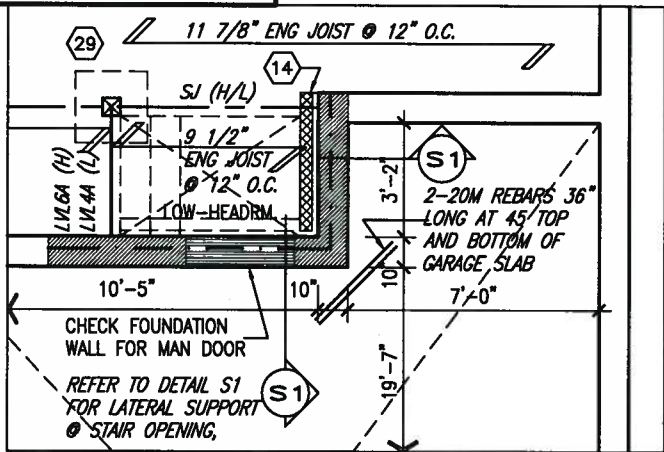




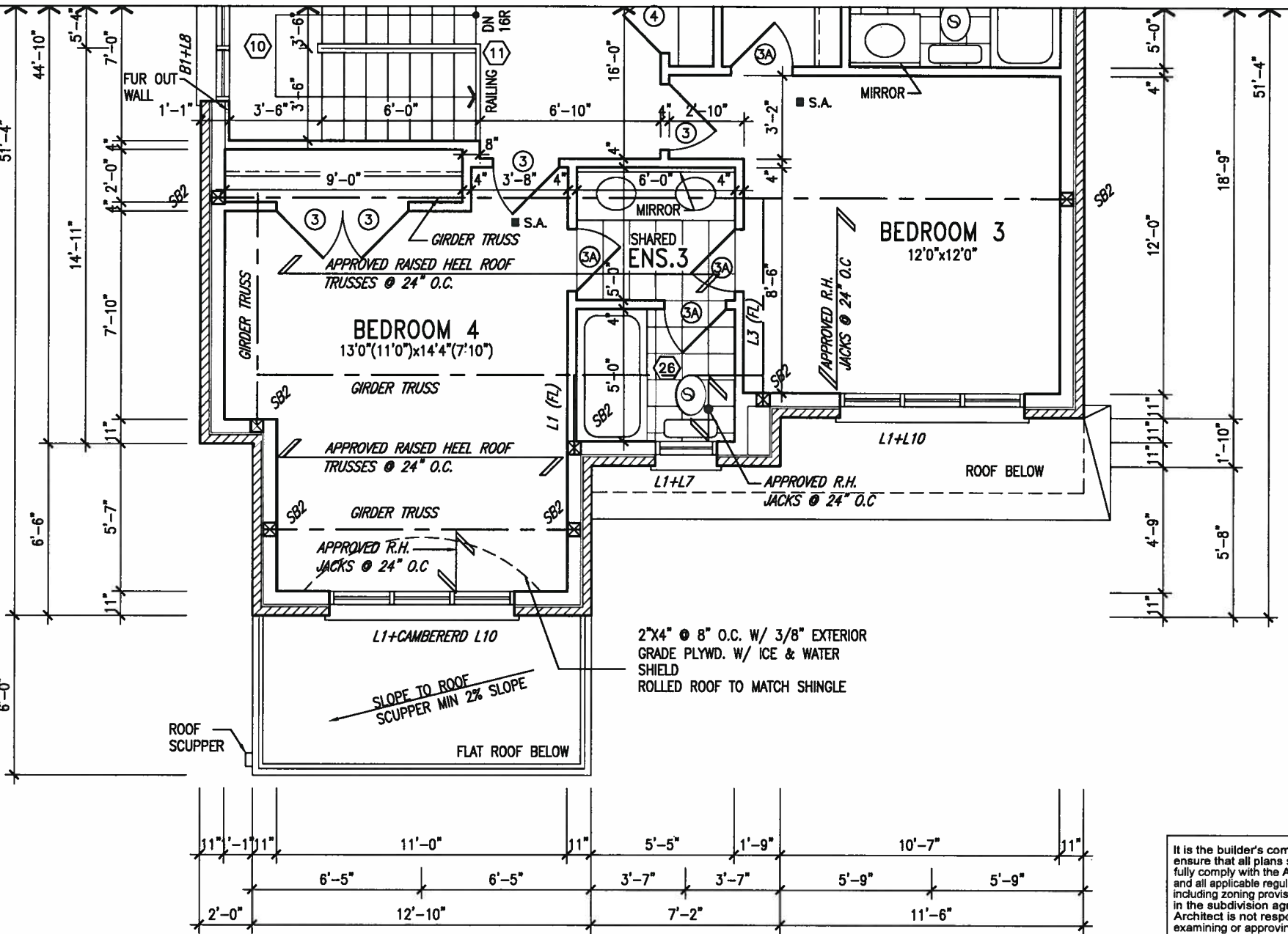
DETAIL THRU SLOPED CERAMIC FLOOR IN LAUNDRY



SUNKEN MUD ROOM 1R



SUNKEN MUD ROOM 2R OR MORE



PARTIAL SECOND FLOOR PLAN 'B'

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

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

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

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ARCHITECTURAL REVIEW & APPROVAL
AUG 14 2017

9					
8					
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3	REVISED AS PER ENG COMMENTS	AUG 01-17	RC		
2	REVISED TO 10" FOUNDATION WALLS	DEC 13-16	AJE		
1	ISSUED FOR CLIENT REVIEW	MAY 16-16	RC		
no.	description	date	by		

VA3 DESIGN

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va3design.com

BAYVIEW WELLINGTON

project name
ALCONA

date
NOV. 2015

checked by
RC

scale
3/16" = 1'-0"

S39-1
STARLING 1

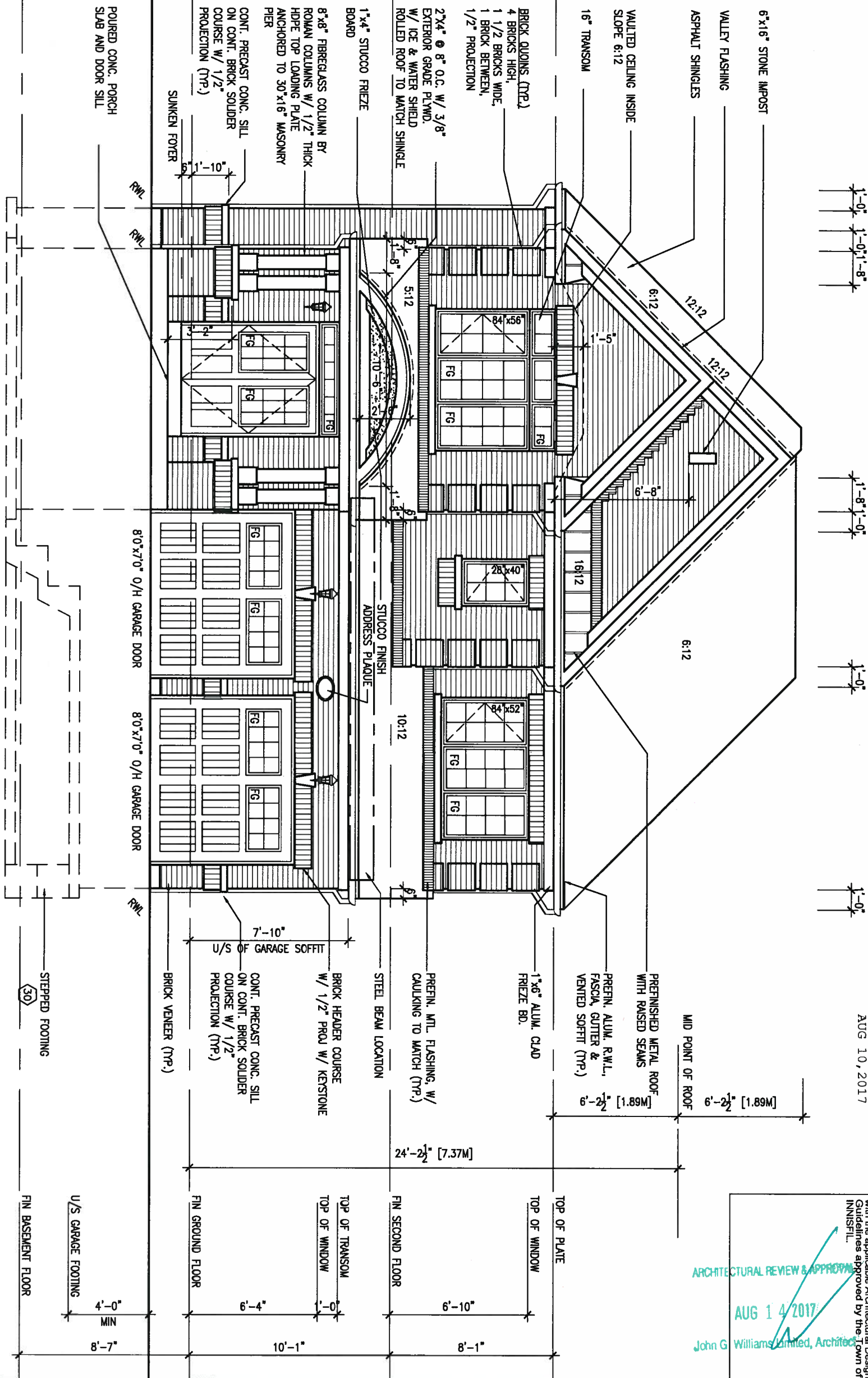
project no.
13049

drawing no.
5

PARTIAL PLAN 'B'

13049-S39-1

FRONT ELEVATION 'A'



AUG 10, 2017



ARCHITECTURAL REVIEW & APPROVAL
AUG 14 2017
John G. Williams Limited, Architect

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It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Control Architect is not responsible in any way for examining or approving site (lotting) plans or for any other plans submitted to the Town of Innisfil for building code or permit review or that any house can be properly built or located on its lot.

9.					
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4.					
3.	REVISED AS PER ENG COMMENTS	AUG 01-17	RC		
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Qualification Information
Wellington Jno-Baptiste 25591 BCIN
name registration information
VA3 Design Inc. 42658

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BAYVIEW WELLINGTON

project name
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date
NOV. 2015

drawn by
RC

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

municipality
INNISFIL, ONTARIO

S39-1
STARLING 1

project no.
13049

drawing no.
6

file name
13049-S39-1

FRONT ELEVATION A

Richard - H:\ARCHIVE\WORKING\2013\13048.BW\UNITS\39\13049-S39-1.dwg - Tue - Aug 8 2017 - 10:16 AM

BRICK VENEER CONSTRUCTION

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

45 MINUTE FIRE RATED WALL

PROVIDE A CONTINUOUS LAYER OF 12.7mm (1/2") TYPE 'X' GYPSUM BOARD (INTERIOR SIDE) INSTALLED SO THAT ALL EDGES ARE SUPPORTED, TAPPED AND FILLED. SPACE BETWEEN WOOD STUDS TO BE FILLED WITH INSULATION CONFORMING TO CAN/ULC-S702, "MINERAL FIBRE THERMAL INSULATION FOR BUILDINGS" WITH A MASS OF NOT LESS THAN 1.22 kg/SQ.M. AND MUST FILL AT LEAST 90% OF THE CAVITY THICKNESS. THE TYPE 'X' & INSULATION MUST BE RUN CONTINUOUSLY BEHIND ALL INTERSECTING PARTITIONS, MECHANICAL CHASES, BATHTUBS, SHOWERS, ETC. ENSURE INSULATION & TYPE 'X' IS INSTALLED IN GARAGE EXTERIOR WALLS.
(REFER TO SECTION SB-2 OF OBC 2012-SUPPLEMENTARY STANDARDS)

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ARCHITECTURAL REVIEW & APPROVAL

AUG 14 2017

John G. Williams Limited, Architect



BAYVIEW WELLINGTON

S39-1
STARLING 1

project no.
13049

project name
ALCONA

municipality
INNISFIL, ONTARIO

date
NOV. 2015

RIGHT SIDE ELEVATION A

drawn by
RC

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

file name
13049-S39-1

drawing no.
8

RICHARD - H:\ARCHIVE\WORKING\2013\13049.BW\UNITS\39\13049-S39-1.dwg - Tue - Aug 8 2017 - 10:18 AM



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

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qualification information
Wellington Jno-Baptiste 25591 BCIN

name
VA3 Design Inc. 42658

registration information

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no. description

date by

9.

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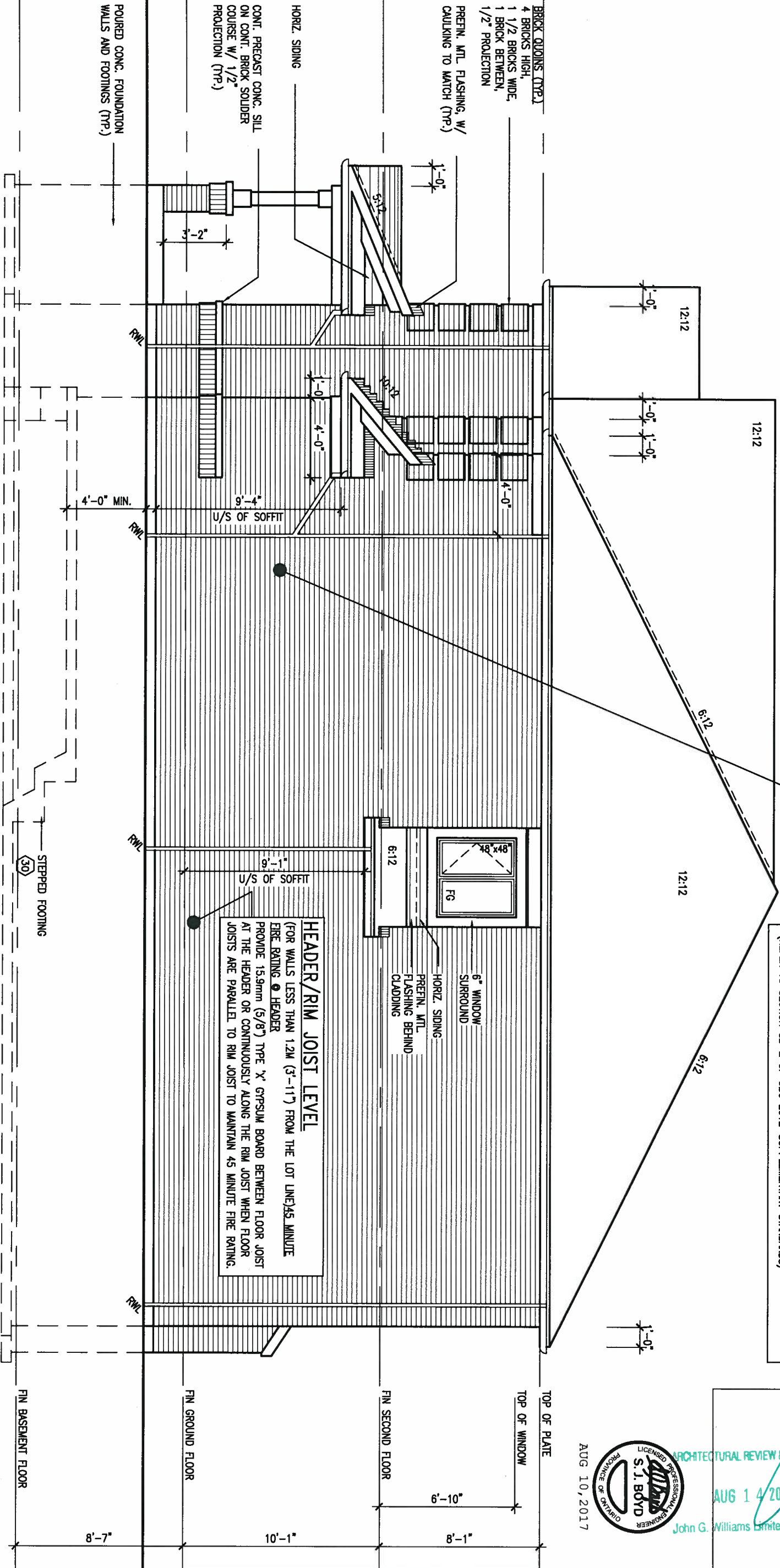
3. REVISED AS PER ENG COMMENTS

2. REVISED TO 10" FOUNDATION WALLS

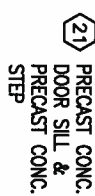
1. ISSUED FOR CLIENT REVIEW

RIGHT SIDE ELEVATION 'A'

REFER TO FRONT
ELEVATION FOR TYPICAL
NOTES & INFORMATION



**REFER TO FRONT
ELEVATION FOR TYPICAL
NOTES & INFORMATION**

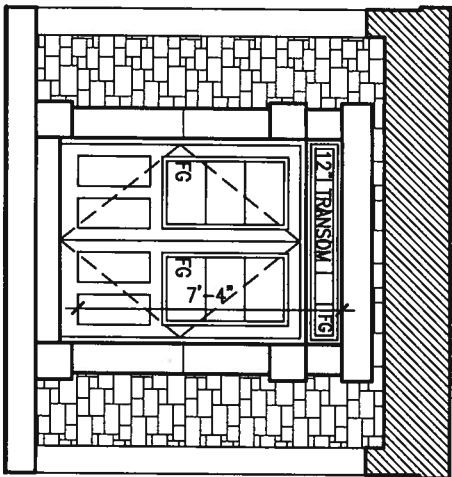


- BRICK SOLIDER COURSE W/ 1/2" PROJECTION
- PRECAST CONC. SILL
- BRICK VENEER

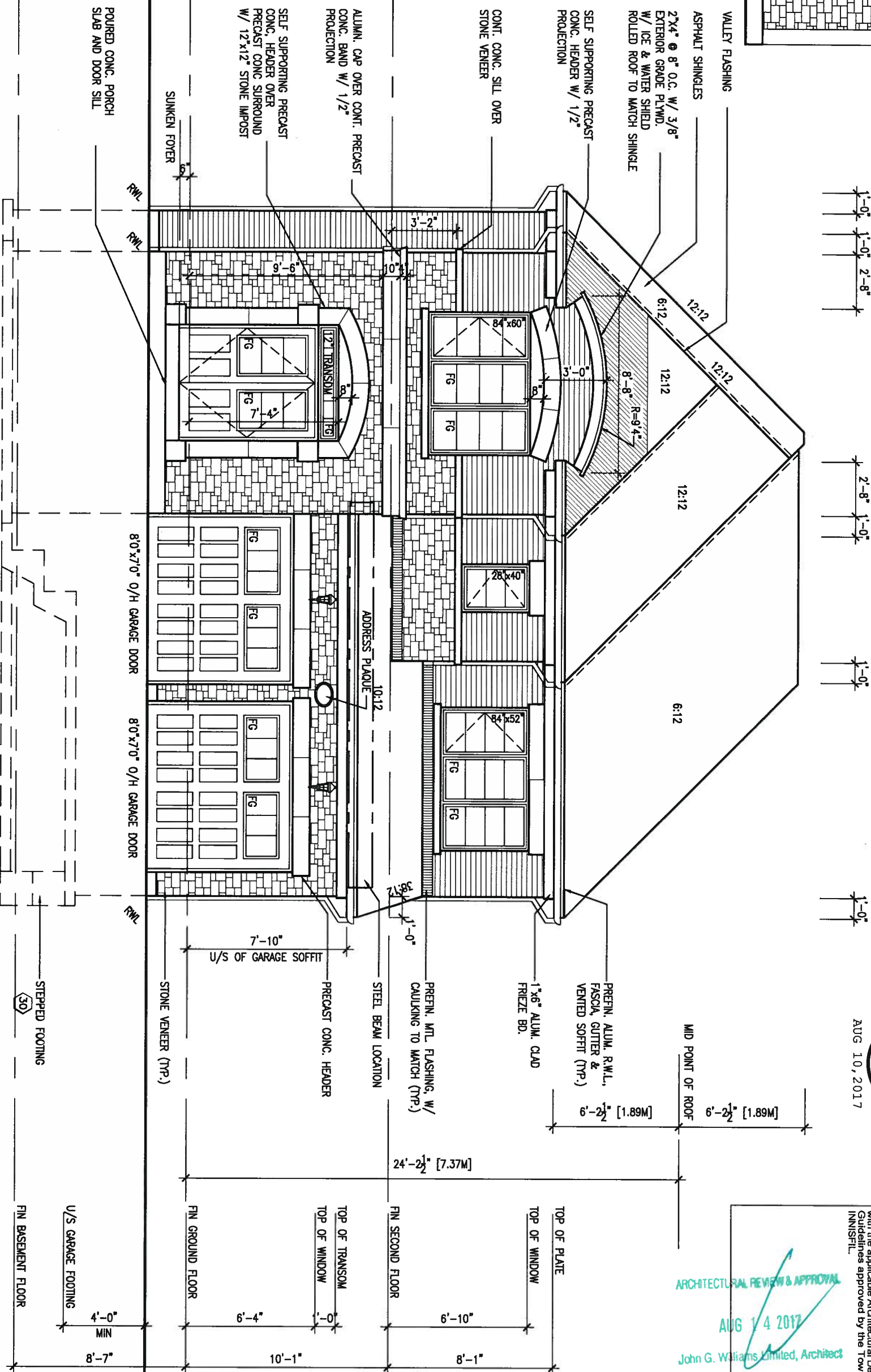
AUG 10, 2017

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

BAYVIEW WELLINGTON		S39-1 STARLING 1	
project name ALCONA	municipality INNISFIL, ONTARIO	project no. 13049	
date NOV. 2015		drawing no. 9	
drawn by RC		file name 13049-S39-1	
checked by 3/16" = 1'-0"			
scale			
RICHARD - H:\ARCHIVE\WORKING\2013\13049.BW\UNITS\S39\13049-S39-1.dwg - Tue - Aug 8 2017 - 10:18 AM			



INSIDE VIEW
OF PORTICO



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ARCHITECTURAL REVIEW & APPROVAL
AUG 14 2017
John G. Williams Limited, Architect

9.	.	.	.
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7.	.	.	.
6.	.	.	.
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4.	.	.	.
3.	REVISED AS PER ENG COMMENTS	AUG 01-17	RC
2.	REVISED TO 10" FOUNDATION WALLS	DEC 13-16	AJE
1.	ISSUED FOR CLIENT REVIEW	MAY 16-16	RC
no.	description	date	by

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

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vo3design.com

BAYVIEW WELLINGTON

project name
ALCONA
municipality
INNISFIL, ONTARIO
date
NOV. 2015
drawn by
RC
checked by
scale
3/16" = 1'-0"
RICHARD - H:\ARCHIVE\WORKING\2013\13049.BW\UNITS\39\13049-S39-1.dwg - Tue - Aug 8 2017 - 10:18 AM

S39-1
STARLING 1

project no.
13049
drawing no.
10

FRONT ELEVATION B
file name
13049-S39-1



BRICK VENEER CONSTRUCTION
(FOR WALLS LESS THAN 1.2M (3'-11") FROM THE LOT LINE)
45 MINUTE FIRE RATED WALL
PROVIDE A CONTINUOUS LAYER OF 12.7mm (1/2") TYPE 'X' GYPSUM BOARD (INTERIOR SIDE) INSTALLED SO THAT ALL EDGES ARE SUPPORTED, TAPED AND FILLED. SPACE BETWEEN WOOD STUDS TO BE FILLED WITH INSULATION CONFORMING TO CAN/ULC-S702. MINERAL FIBRE THERMAL INSULATION FOR BUILDINGS* WITH A MASS OF NOT LESS THAN 1.22 kg/SQ.M. AND MUST FILL AT LEAST 90% OF THE CAVITY THICKNESS. THE TYPE 'X' & INSULATION MUST BE RUN CONTINUOUSLY BEHIND ALL INTERSECTING PARTITIONS, MECHANICAL CHASES, BATHTUBS, SHOWERS, ETC. ENSURE INSULATION & TYPE 'X' IS INSTALLED IN GARAGE EXTERIOR WALLS.
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ARCHITECTURAL REVIEW & APPROVAL
AUG 14 2017
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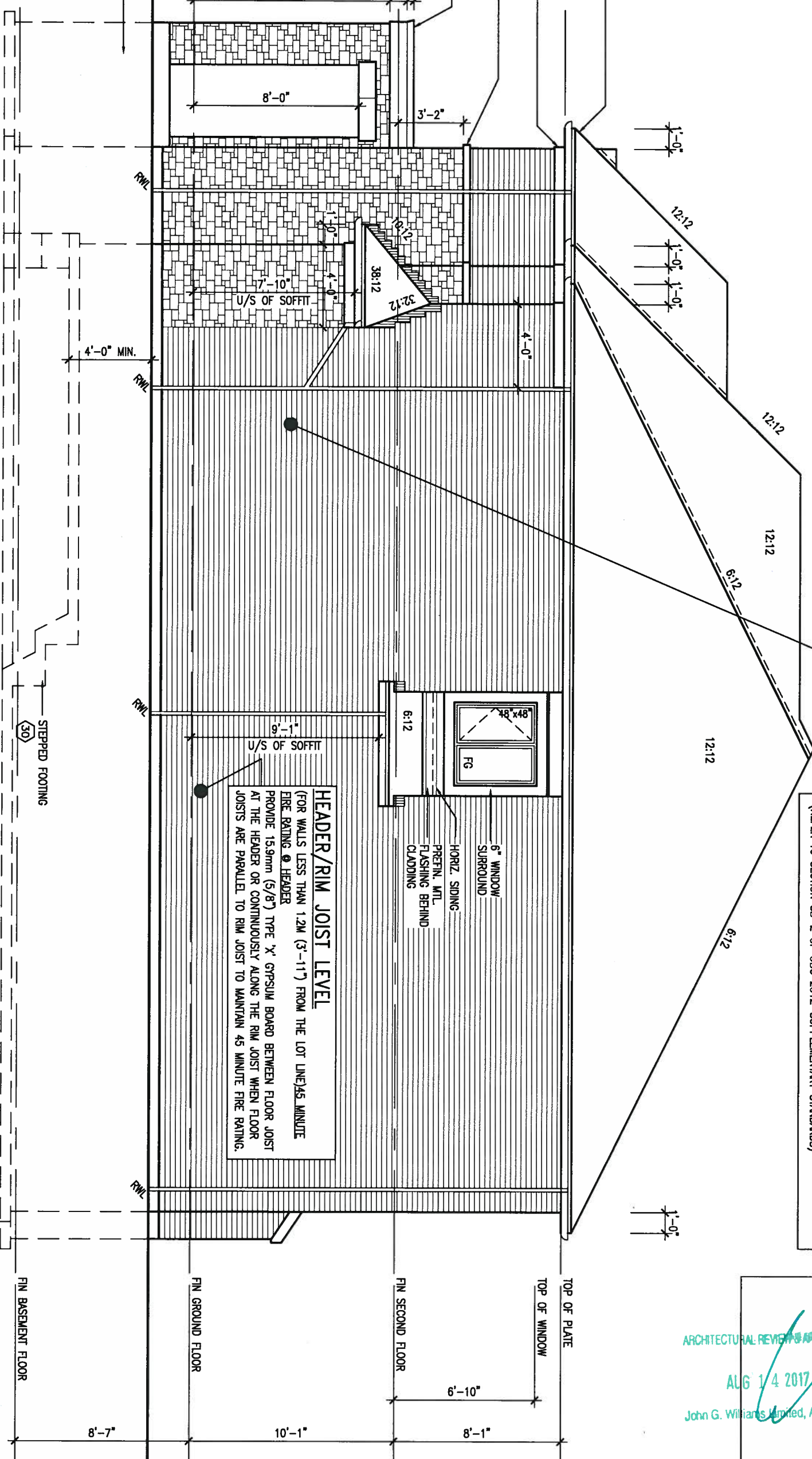
PRETN. ALUM. R.W.L.,
FASCA, GUTTER &
VENIED SOFFIT (TYP.)

1"x6" ALUM. CLAD
FRIEZE BD.

CONT. CONC. SILL OVER
STONE VENEER

ALUMIN. CAP OVER
CONT. PRECAST CONC.
BAND W/ 1/2" PROJECTION

POURED CONC. FOUNDATION
WALLS AND FOOTINGS (TYP.)



RIGHT SIDE ELEVATION 'B'

REFER TO FRONT
ELEVATION FOR TYPICAL
NOTES & INFORMATION

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8.	.	.	qualification information
7.	.	.	Wellington Jno-Baptiste 25591
6.	.	.	name
5.	.	.	registration information
4.	.	.	VA3 Design Inc. 42658
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BAYVIEW WELLINGTON

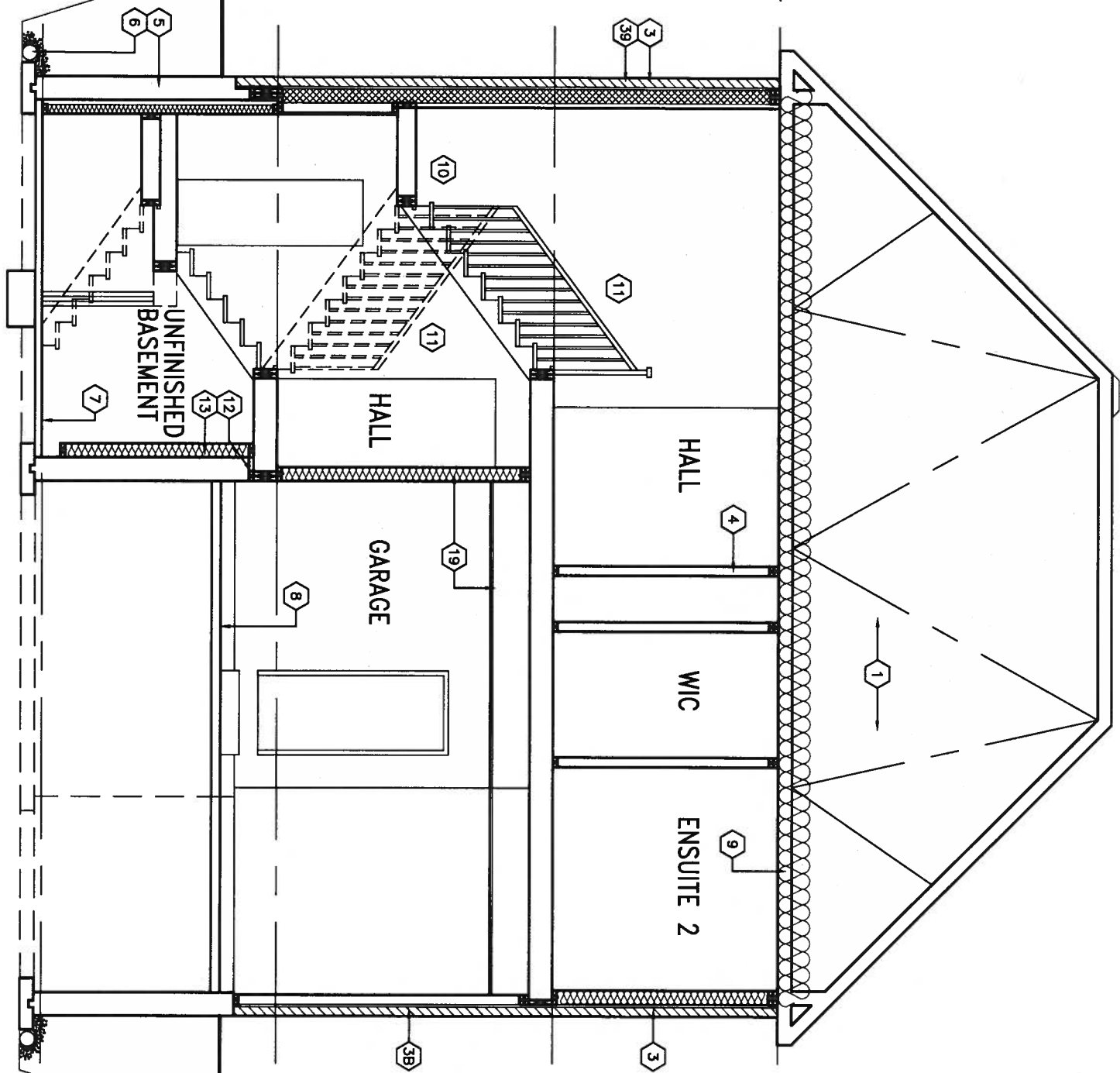
project name ALCONA	municipality INNISFIL, ONTARIO
date NOV. 2015	checked by RC
drawn by RC	scale 3/16" = 1'-0"

S39-1
STARLING 1

project no. 13049	drawing no. 12
RIGHT SIDE ELEVATION B	
file name 13049-S39-1	

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SECTION 'A-A'



AUG 10, 2017



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9.					
8.					
7.					
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4.					
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BAYVIEW WELLINGTON

project name ALCONA municipality INNISFIL, ONTARIO

date NOV. 2015 checked by scale 3/16" = 1'-0"

drawn by RC

S39-1
STARLING 1

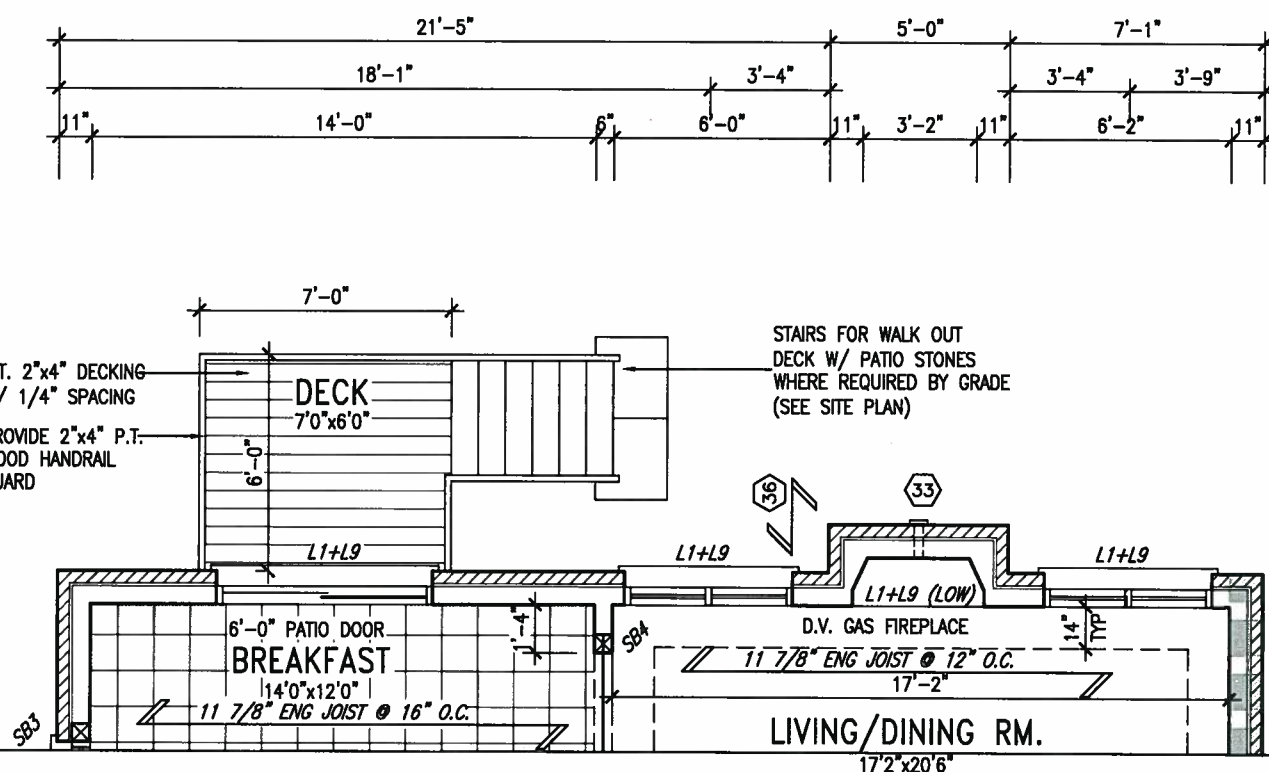
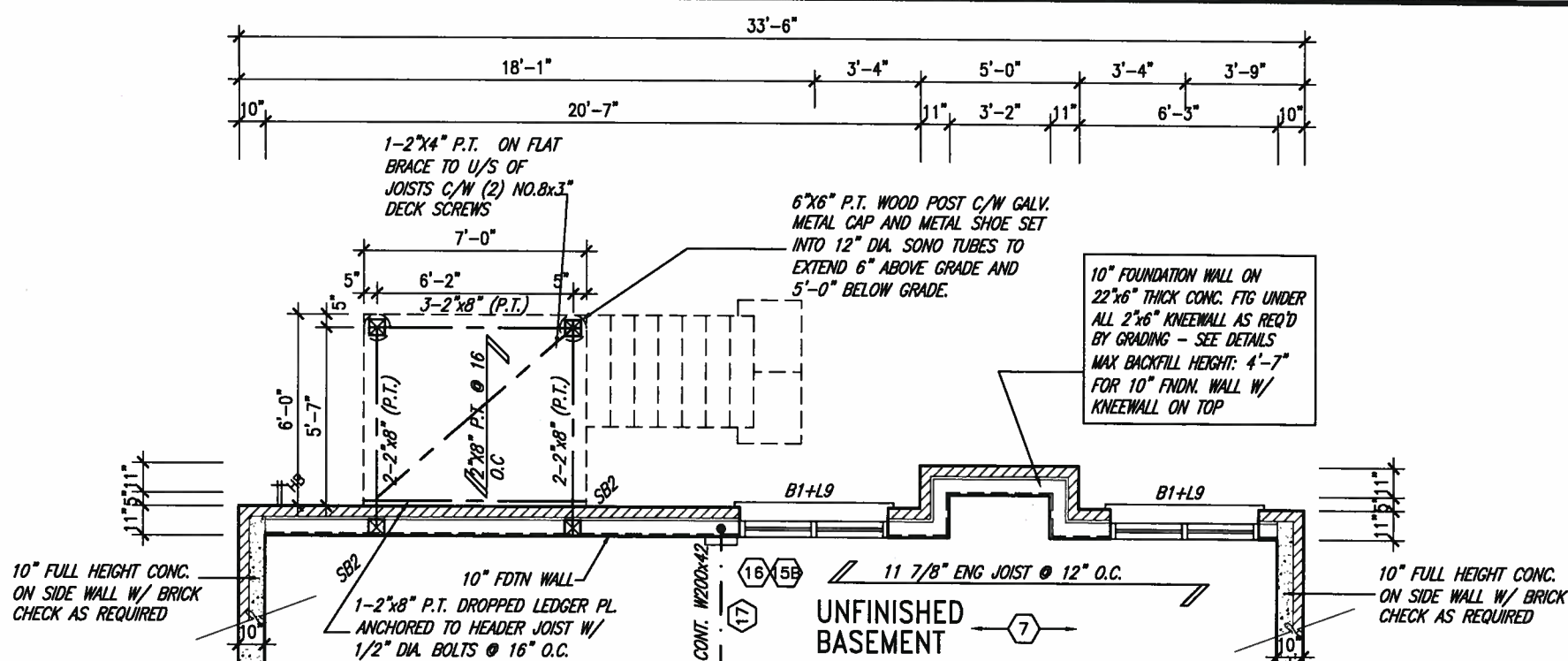
project no. 13049

REAR ELEVATION

file name 13049-S39-1

drawing no. 13

RICHARD - H:\ARCHIVE\WORKING\2013\13049.BW\UNITS\39\13049-S39-1.dwg - Tue - Aug 8 2017 - 10:18 AM



<u>UNINSULATED OPENINGS</u> (PER OBC. SB-12,3.1.1(7))				<u>UNINSULATED OPENINGS</u> (PER OBC. SB-12,3.1.1(7))			
S39-1 ELEVATION A 9R WOD		ENERGY EFFICIENCY - OBC SB12		S39-1 ELEVATION B 9R WOD		ENERGY EFFICIENCY - OBC SB12	
ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE	ELEVATION	WALL AREA S.F.	OPENING S.F.	PERCENTAGE
FRONT	682 S.F.	124.500 S.F.	18.26 %	FRONT	670 S.F.	117.500 S.F.	17.54 %
LEFT SIDE	1027 S.F.	87.33 S.F.	8.50 %	LEFT SIDE	897 S.F.	87.33 S.F.	9.74 %
RIGHT SIDE	1027 S.F.	0 S.F.	0.00 %	RIGHT SIDE	1027 S.F.	0 S.F.	0.00 %
REAR	804 S.F.	183.889 S.F.	22.87 %	REAR	804 S.F.	183.889 S.F.	22.87 %
* OPENINGS OMITTED AS PER SB-12 3.1.1.9(4) MAX 19.9 S.F. REFER TO ELEVATION FOR LOCATION		0 S.F.		* OPENINGS OMITTED AS PER SB-12 3.1.1.9(4) MAX 19.9 S.F. REFER TO ELEVATION FOR LOCATION		0 S.F.	
TOTAL SQ. FT.	3540.00 S.F.	395.72 S.F.	11.18 %	TOTAL SQ. FT.	3398.00 S.F.	388.72 S.F.	11.44 %
TOTAL SQ. M.	328.87 S.M.	36.76 S.M.	11.18 %	TOTAL SQ. M.	315.68 S.M.	36.11 S.M.	11.44 %

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

ARCHITECTURAL REVIEW & APPROVAL

AUG 14 2017

John G. Williams Limited, Architect

9	.	.	.	The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.	
8	.	.	.		
7	.	.	.	qualification information	
6	.	.	.	Wellington Jno-Baptiste	2559
5	.	.	.	name	BCR
4	.	.	.	registration information	
3	REVISED AS PER ENG COMMENTS	AUG 01-17	RC	VAS Design Inc.	42658
2	REVISED TO 10" FOUNDATION WALLS	DEC 13-16	AJE	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.	
1	ISSUED FOR CLIENT REVIEW	MAY 16-16	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

S39-1
STARLING 1

project name
ALCONA

INNISFILL, ONTARIO municipality

project no.
13049

NOV. 2015

drawn by
RC

checked by _____

scale
6" = 1'-0"

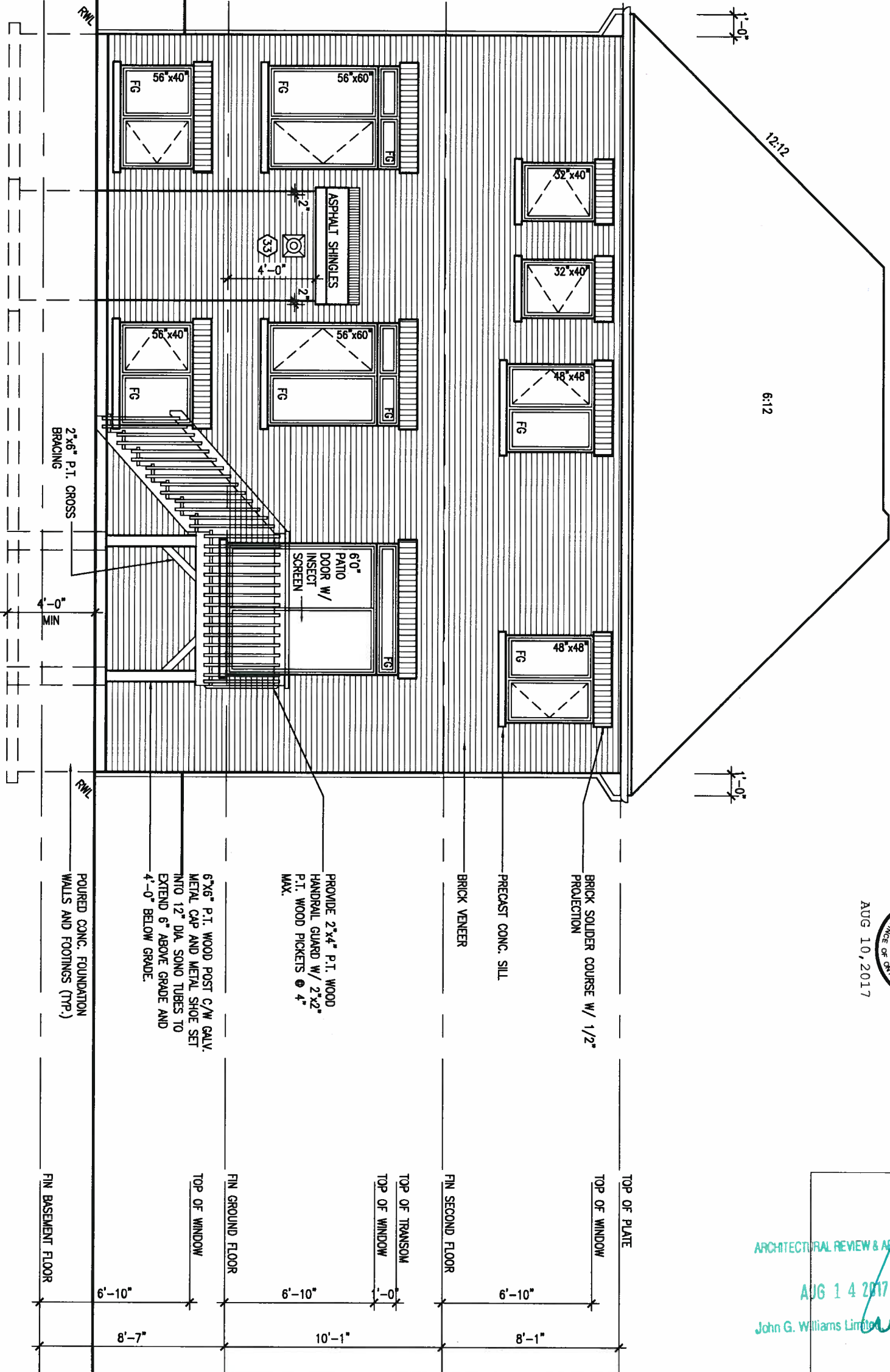
PARTIAL FLOOR PLAN WOD

file name
13049-S39-1

drawing no.

RICHARD - H:\ARCHIVE\WORKING\2013\13040 BWA UNITS\10" 13040 STD 1.dwg Tue Aug 6 2013 10:10 AM

REAR ELEVATION 'A/B' W.O.D.
9R AND MORE COND



ARCHITECTURAL REVIEW & APPROVAL
AUG 14 2017
John G. Williams Limited, Architect

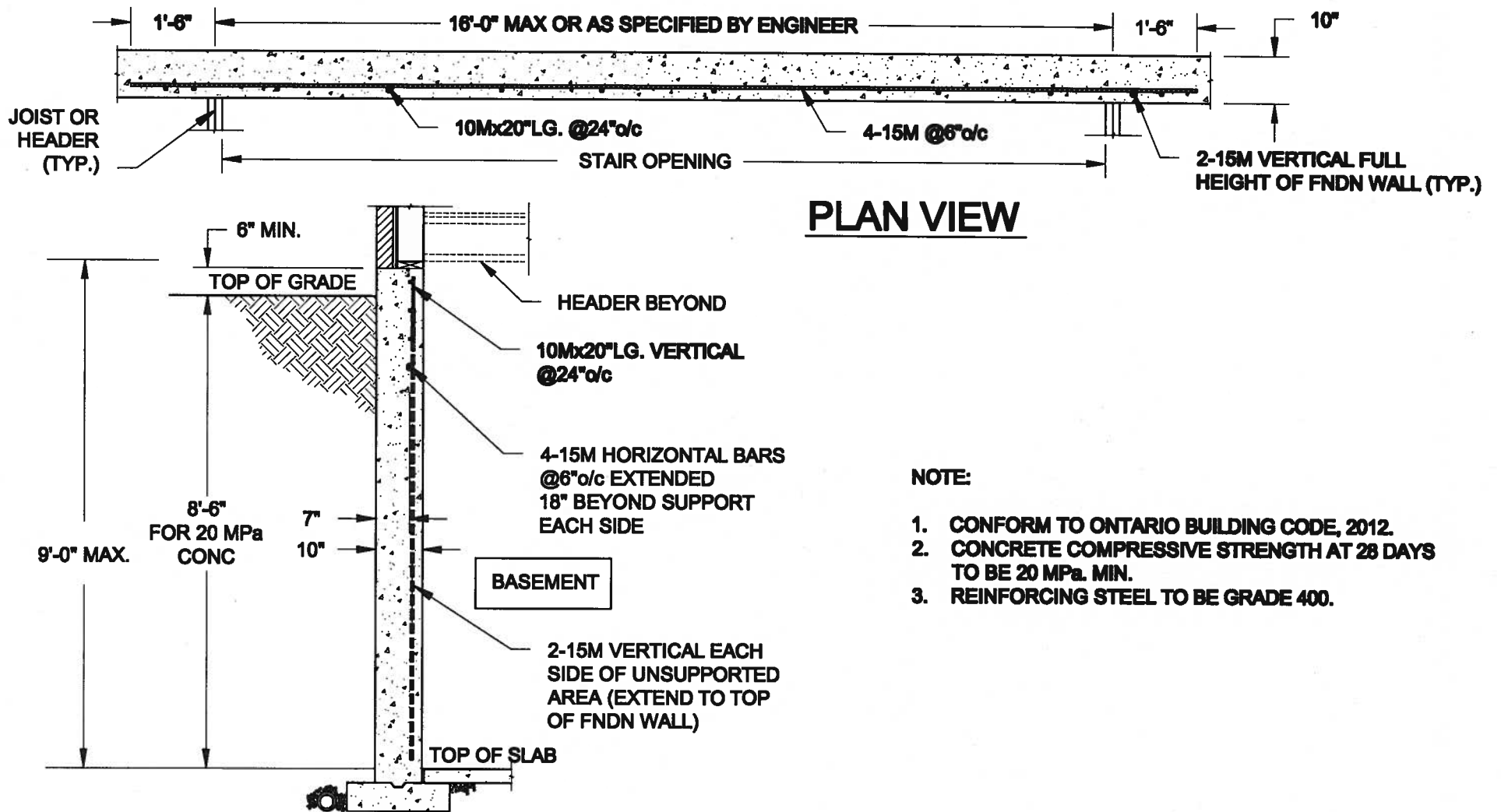
This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the Town of Innisfil.

It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Control Architect is not responsible in any way for obtaining or approving site (zoning) plans or for any other matters relating to the building or building code or permit matter or that any house can be properly built or located on its lot.

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.	.	.	.	registration information 42658
4.	.	.	.	VA3 Design Inc.
3.	REVISED AS PER ENG COMMENTS	AUG 01-17	RC	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.
2.	REVISED TO 10" FOUNDATION WALLS	DEC 13-16	AJE	
1.	ISSUED FOR CLIENT REVIEW	MAY 16-16	RC	
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

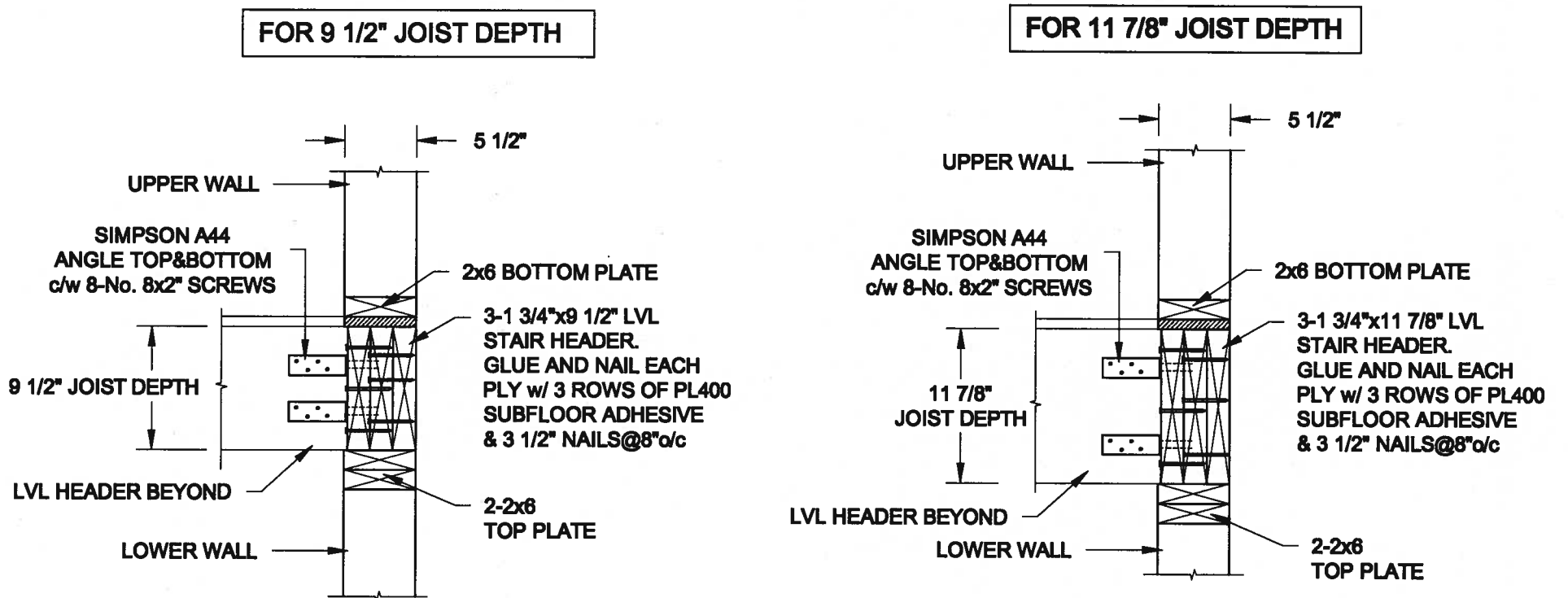
BAYVIEW WELLINGTON		S39-1	
ALCONA		STARLING 1	
project name	ALCONA	municipality	INNISFIL, ONTARIO
date	NOV. 2015	project no.	13049
drawn by	RC	checked by	scale
			3/16" = 1'-0"
RICHARD - H:\ARCHIVE\WORKING\2013\13049.BW\UNITS\39\13049-S39-1.dwg - Tue - Aug 8 2017 - 10:18 AM		REAR ELEVATION	
		file name	13049-S39-1
		drawing no.	15



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"



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

Scale:
AS NOTED

Date:
JUL-31-2017

Drawn: SC
Checked: SJB

QUAILE ENGINEERING LTD.



38 Parkside Drive, UNIT 7
Newmarket, ON
L3Y 8J9
T: 905-853-8547
E: quaile.eng@rogers.com

Engineer's Seal:



AUG 10, 2017

Project:

BAYVIEW WELLINGTON HOMES - ALCONA PROJECT
INNISFIL, ONTARIO

TYPICAL STRUCTURAL DETAILS FOR SINGLES

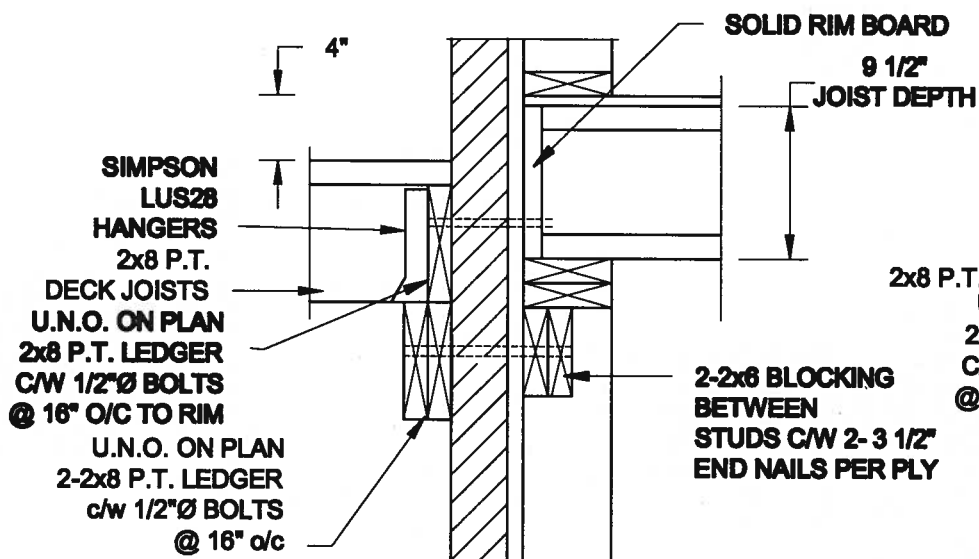
Project No.:

16-083

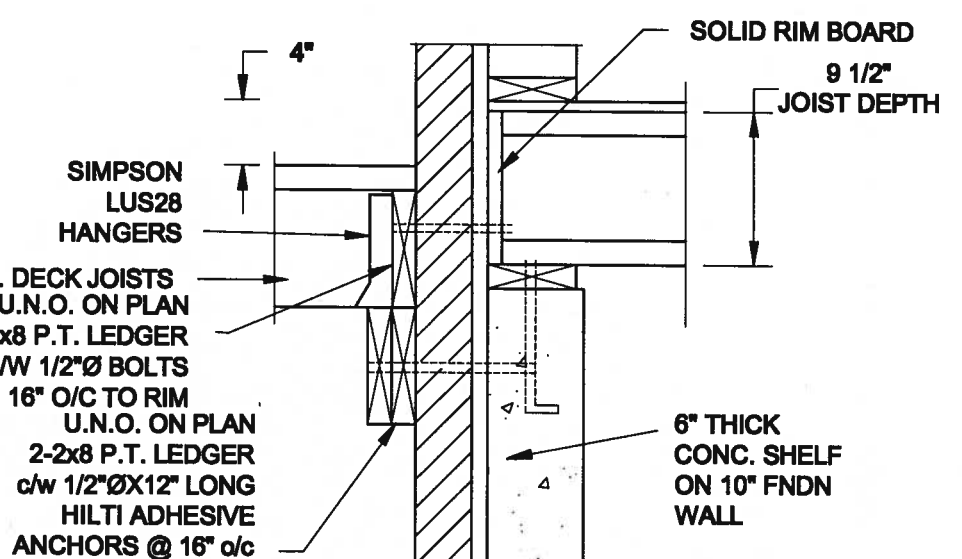
Drawing No.:

S1

FOR 9 1/2" JOIST DEPTH



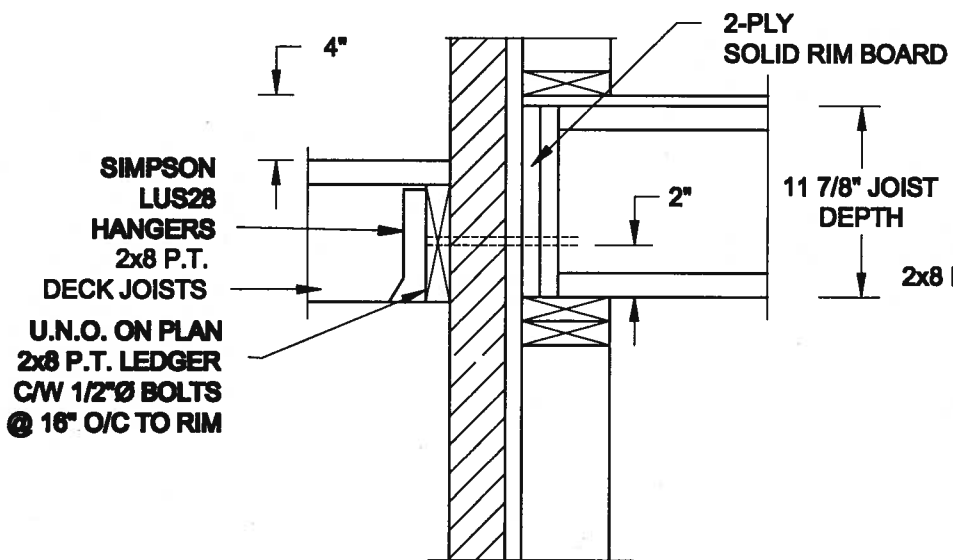
1A **DECK FASTENING DETAIL**
S2 **SCALE: 1" = 1'-0"**



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

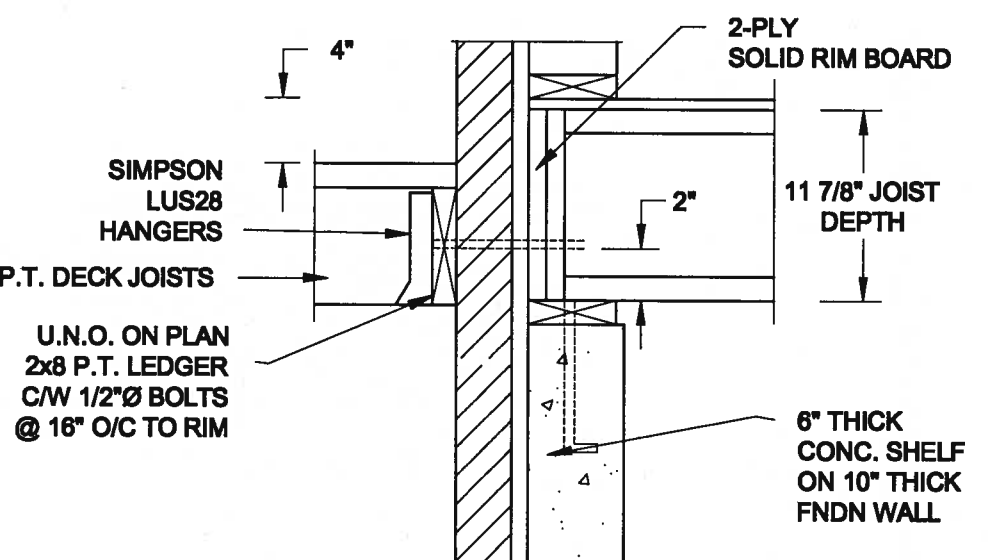
- NOTE: 1. WHERE BACKFILL HEIGHT < 4'-7", PROVIDE 2x8 @ 16" o/c KNEEWALL ON 10" THICK CONC FNDN WALL**
2. WHERE BACKFILL HEIGHT > 4'-7", PROVIDE 6" CONC SHELF FOR BRICK VENEER ON 10" THICK CONC FNDN WALL
3. FOOTING TO BE 22"x8" THICK UNLESS NOTED OTHERWISE ON PLAN.

FOR 11 7/8" JOIST DEPTH



2A DECK FASTENING DETAIL

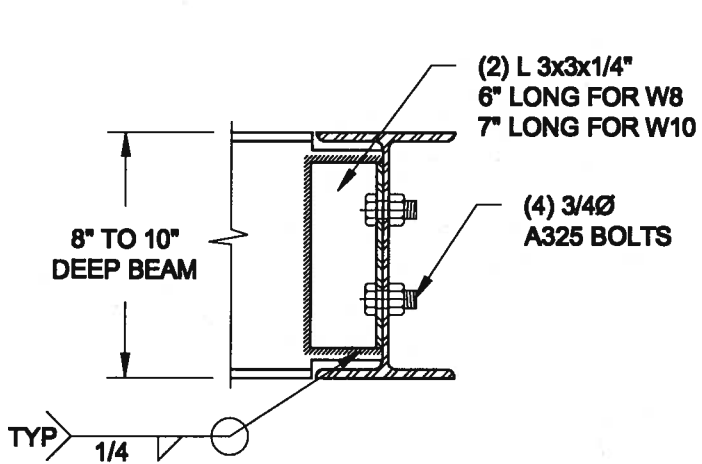
S2 SCALE: 1" = 1'-0"



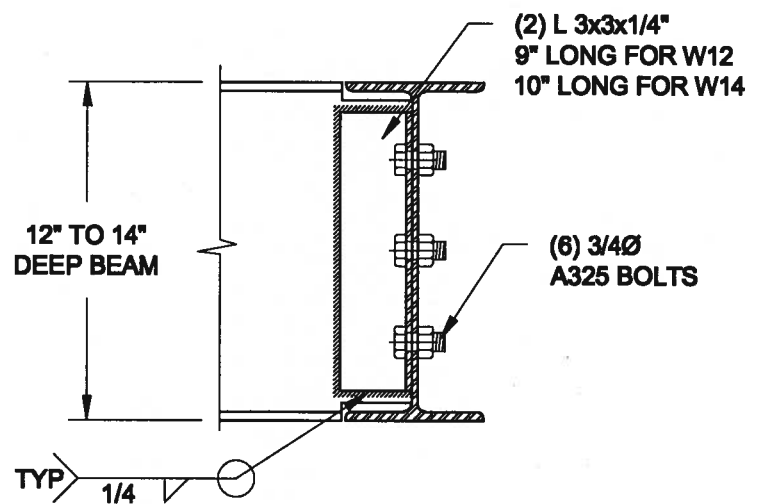
2B DECK FASTENING DETAIL

S2 SCALE: 1" = 1'-0"

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



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



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

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

Scale:
AS NOTED

Date:
JUL-31-2017

Drawn: SC	Checked: SJB
----------------------------	-------------------------------

QUAILE ENGINEERING LTD.

**38 Parkside Drive, UNIT 7
Newmarket, ON
L3Y 8J9
T: 905-853-8547
E: qualls.eng@rogers.com**

Engineer's Seat:



AUG 10, 2017

Project:
BAYVIEW WELLINGTON HOMES - ALCONA PROJECT
INNSFIL, ONTARIO

TYPICAL STRUCTURAL DETAILS FOR SINGLES

Project No.: 16-083

Drawing No.:

82

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 3.1.1.2A)
SIDING AS PER ELEV., 19x38 (1"x2") VERTICAL WOOD FURRING, CONTIN. SHEATHING MEMBRANE, 9.5mm (3/8") EXT. TYPE SHEATHING, 38x140 (2"x6") STUDS @ 400mm (16") O.C., 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 3.1.1.2A)
90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x76mm (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, 22x180x76mm (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 3.1.1.2A)
STUCCO CLADDING SYSTEM CONFORMING TO O.B.C. 9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 25mm (1") MIN. EXTRUDED OR EXPANDED RIGID POLYSTYRENE ON APPR. CONTIN. AIR/MOISTURE BARRIER ON 13mm (1/2") EXT. TYPE SHEATHING ON 38x140 (2"x6") STUDS @ 400mm (16") O.C., 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))
200mm (8") POURED CONC. FDTN. WALL 15MPa (2200psi) WITH BITUMINOUS DAMPROOFING AND DRAINAGE LAYER, DRAINAGE LAYER REQ'D. WHEN BASEMENT INSUL. EXTENDS 900 (2'-11") BELOW FIN. GRADE, DRAINAGE LAYER IS NOT REQ'D. WHEN FDTN. WALL IS WATERPROOFED, MAXIMUM POUR HEIGHT 2390 (7'-10") ON 500x155 (20"x6") CONTINUOUS KEYED CONC. FIG. BRACE FDTN. WALL PRIOR TO BACKFILLING, ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED ENGINEERED FILL, WITH MIN. BEARING CAPACITY OF 150kPa OR GREATER. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED FOOTINGS ARE REQUIRED.

STOREYS SUPPORTED	W/ MASONRY VENEER	W/ SIDING ONLY
1	16" WIDE x 6" DEEP	16" WIDE x 6" DEEP
2	20" WIDE x 6" DEEP	20" WIDE x 6" DEEP
3	26" WIDE x 9" DEEP	20" WIDE x 6" DEEP

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

STRIP FOOTING SUPPORTING EXTERIOR WALLS (FOR W.O.B.)
-ASSUMING MASONRY VENEER CONSTRUCTION, MAX. FLOOR LIVE LOAD OF 2.4kPa. (50psf.) PER FLOOR, AND MAX. LENGTH OF SUPPORTED FLOOR JOISTS IS 4.9m (16'-1"). THE STRIP FOOTING SIZE IS AS FOLLOWS:
2 STOREY WITH WALK-OUT BASEMENT 545x175 (22"x7")

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

7. BASEMENT SLAB OBC 9.3.1.6(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 DAMPROOFING BELOW SLAB, UNDER SLAB INSULATION PER SB-12. ALL SLAB JOINTS & PENETRATIONS TO BE CAULKED.

8. EXPOSED FLOOR TO EXTERIOR (SB-12-TABLE 3.1.1.2A)
PROVIDE RSI 5.46 (R31) INSULATION, APPROVED VAPOUR BARRIER AND CONTINUOUS AIR BARRIER, FINISHED SOFFIT.

9. ATTIC INSULATION (SB-12-TABLE 3.1.1.2A) (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 (7'1"). 1070mm (42") HIGH GUARD IS REQUIRED WHERE DISTANCE EXCEEDS 1800mm (7'1").

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 DAMPROOF WITH BUILDING PAPER BETWEEN THE FOUNDATION WALL AND INSULATION UP TO GRADE LEVEL. NOTE: FILL 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 DAMPROOFING 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 TYPE 2 ADJUSTABLE STL. COL. W/ MIN. CAPACITY OF 71.2kN (16,000lbs.) AT A MAX. EXTENSION OF 2318mm (7'-7 1/2") CONFORMING TO CAN/CGSB-7.2.9.4, AND WITH 150x150x9.5 (6"x6"x3/8") STL. PLATE TOP & BOTTOM, 870x870x410 (34"x34"x16") CONC. FOOTING ON UNDISTURBED SOIL OR ENGINEERED FILL CAPABLE OF SUSTAINING A PRESSURE OF 150 Kpa. MINIMUM AND AS PER SOILS REPORT.

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") FIELD WELD COL. TO BASE PLATE.

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

17x64 (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. 9.10.9.16. 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-9.2.3.8(7) & 9.2.4.11)
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. 9.2.1.
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).

28. RESERVED

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 9.39.1)
FOR MAX. 2500mm (8'-2") PORCH DEPTH (SHORTEST DIM.), 125mm (5") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT, REINF. WITH 10M BARS @ 200mm (7 7/8") O.C. EACH WAY IN BOTTOM THIRD OF SLAB, MIN. 30mm (1 1/4") COVER, 600x600 (23 5/8"x23 5/8") 10M DOWELS @ 600mm (23 5/8") O.C., ANCHORED IN PERIMETER FDTN. WALLS, SLOPE SLAB MIN. 1.0% FROM HOUSE WALL, SLAB TO HAVE MIN. 75mm (3") BEARING ON FDTN. WALLS, PROVIDE (L7) UNTEL OVER CELLAR DOOR WITH 100mm (4") END BEARING.

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

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 BATH/TUB IN MAIN BATHROOM, REFER TO OBC. 9.5.2.3, 3.8.3.8, 11)(ci) & 3.8.3.13 (1)(ii). SEE DETAILS.
5) ALL INTERIOR 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 9.2.5.3.

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-2950FS MIN., NAIL EACH PLY OF VL WITH 89mm (3 1/2") LONG COMMON WIRE NAILS @ 300mm (12") O.C. STAGGERED IN 2 ROWS FOR 184, 240 & 300mm (7 1/4, 9 1/2, 11 7/8") DEPTHS AND STAGGERED IN 3 ROWS FOR GREATER DEPTHS AND FOR 4 PLY MEMBERS ADD 13mm (1/2") DIA. GALVANIZED BOLTS BOLTED AT MID-DEPTH OF BEAM @ 915mm (3'-0") O.C.

6) PROVIDE FACE MOUNT BEAM HANGERS TYPE "SCL" MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL FOR ALL LVL BEAM TO BEAM CONNECTIONS UNLESS OTHERWISE NOTED, REFER TO ENG. FLOOR LAYOUTS.

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

8) WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE, IN CONTACT WITH CONCRETE, SHALL BE SEPARATED FROM THE CONCRETE BY AT LEAST 2 ml. POLYETHYLENE FILM, NO. 50 (45lbs.) ROLL ROOFING OR OTHER DAMPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 150mm (6") ABOVE THE GROUND.

STEEL: 1) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 300W, HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO CSA-G40-21 GRADE 350W "STRUCTURAL QUALITY STEEL". OBC. 8-9.23.4.3.
2) REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

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

LEGEND

	CLASS 'B' VENT		EXHAUST FAN TO EXTERIOR
	DUPLEX OUTLET (12" ABOVE SURFACE)		DUPLEX OUTLET (HEIGHT A.F.F)
	WEATHERPROOF DUPLEX OUTLET		GFI DUPLEX OUTLET (HEIGHT A.F.F)
	POT LIGHT		HEAVY DUTY OUTLET (220 volt)
	LIGHT FIXTURE (PULL CHAIN)		LIGHT FIXTURE (CEILING MOUNTED)
	SWITCH		LIGHT FIXTURE (WALL MOUNTED)
	FLOOR DRAIN		HOSE BIB (NON-FREEZE)
	SJ SINGLE JOIST		DJ DOUBLE JOIST
	TJ TRIPLE JOIST		LVL LAMINATED VENEER LUMBER
	POINT LOAD FROM ABOVE		
	P.T. PRESSURE TREATED LUMBER		
	G.T. GIRDER TRUSS BY ROOF TRUSS MANUF.		
	FLAT ARCH		
	CURVED ARCH		
	M.C. MEDICINE CABINET (RECESSED)		
	CONC. BLOCK WALL		
	DOUBLE VOLUME WALL		
	SOLID WOOD BEARING (SERVICE NO. 2)		
	SOLID BEARING TO BE AS WIDE AS SUPPORTED MEMBER OR AS DIRECTED BY STRUCTURAL ENGINEER. SOLID BEARING TO BE MINIMUM 2 PIECES.		
	SOLID WOOD BEARING TO MATCH FROM ABOVE		
	SOIL GAS/ RADON CONTROL (OBC 9.1.1.7, & 9.13.4.)		

PROVIDE CONSTRUCTION TO PREVENT LEAKAGE OF SOIL GAS INTO THE BUILDING IF REQUIRED.

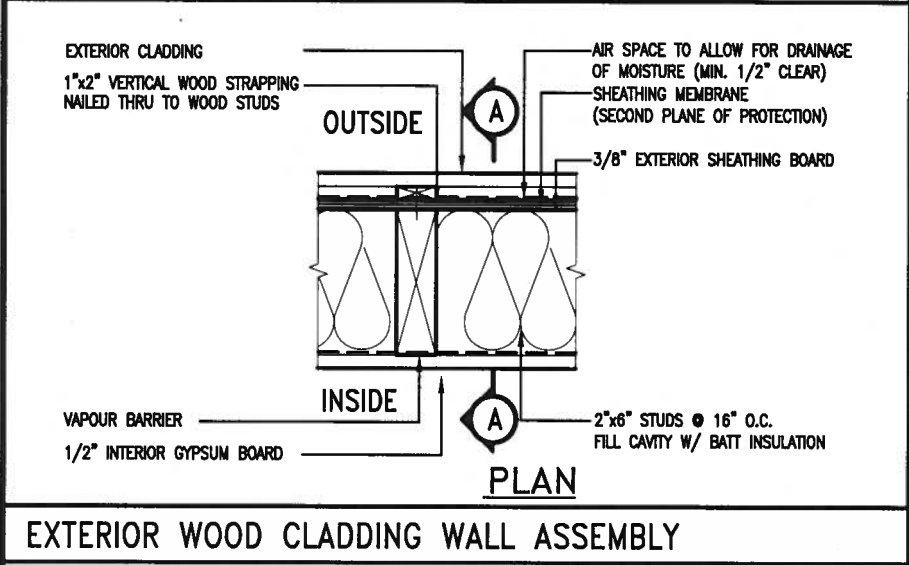
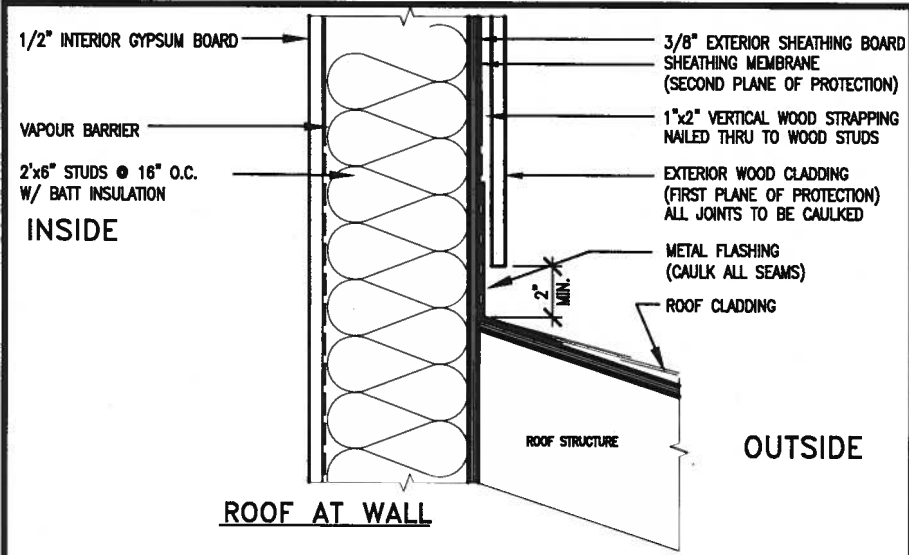
CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO VAS DESIGN BEFORE PROCEEDING WITH THE WORK. ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF VAS DESIGN WHICH IF REQUESTED, MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL DRAWINGS TO BE USED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

SOLID WOOD BEARING (SERVICE NO. 2)
SOLID BEARING TO BE AS WIDE AS SUPPORTED MEMBER OR AS DIRECTED BY STRUCTURAL ENGINEER. SOLID BEARING TO BE MINIMUM 2 PIECES.

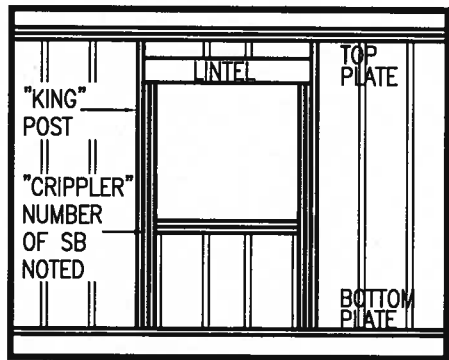
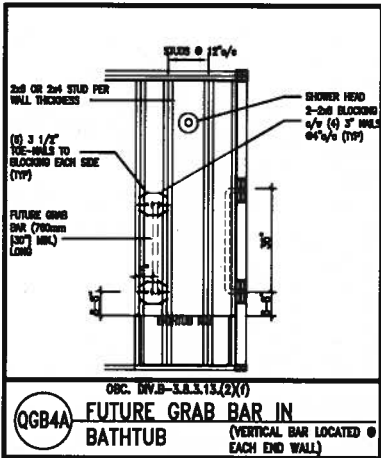
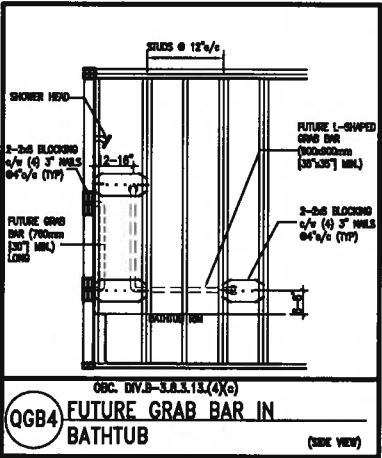
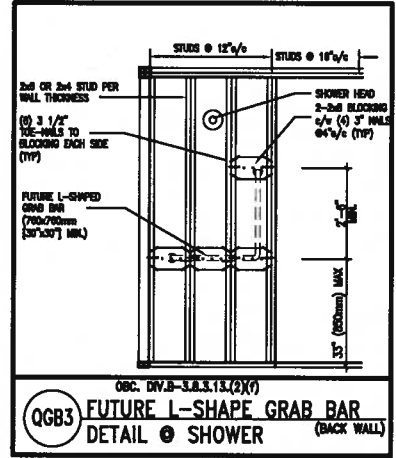
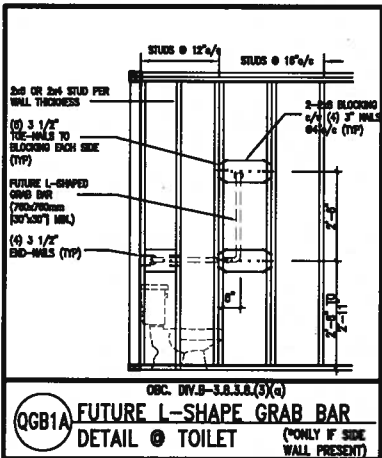
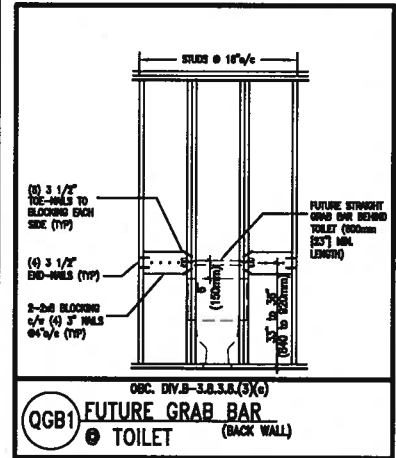
SOLID WOOD BEARING TO MATCH FROM ABOVE

SOIL GAS/ RADON CONTROL (OBC 9.1.1.7, & 9.13.4.)
PROVIDE CONSTRUCTION TO PREVENT LEAKAGE OF SOIL GAS INTO THE BUILDING IF REQUIRED.

TWO STOREY VOLUME SPACES
-FOR A MAXIMUM 5490 mm (18'-0") HEIGHT AND MAXIMUM SUPPORTED ROOF TRUSS LENGTH OF 6.0m, PROVID



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



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

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

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

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

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

** STUD INFORMATION TAKEN FROM OBC TABLE A-30

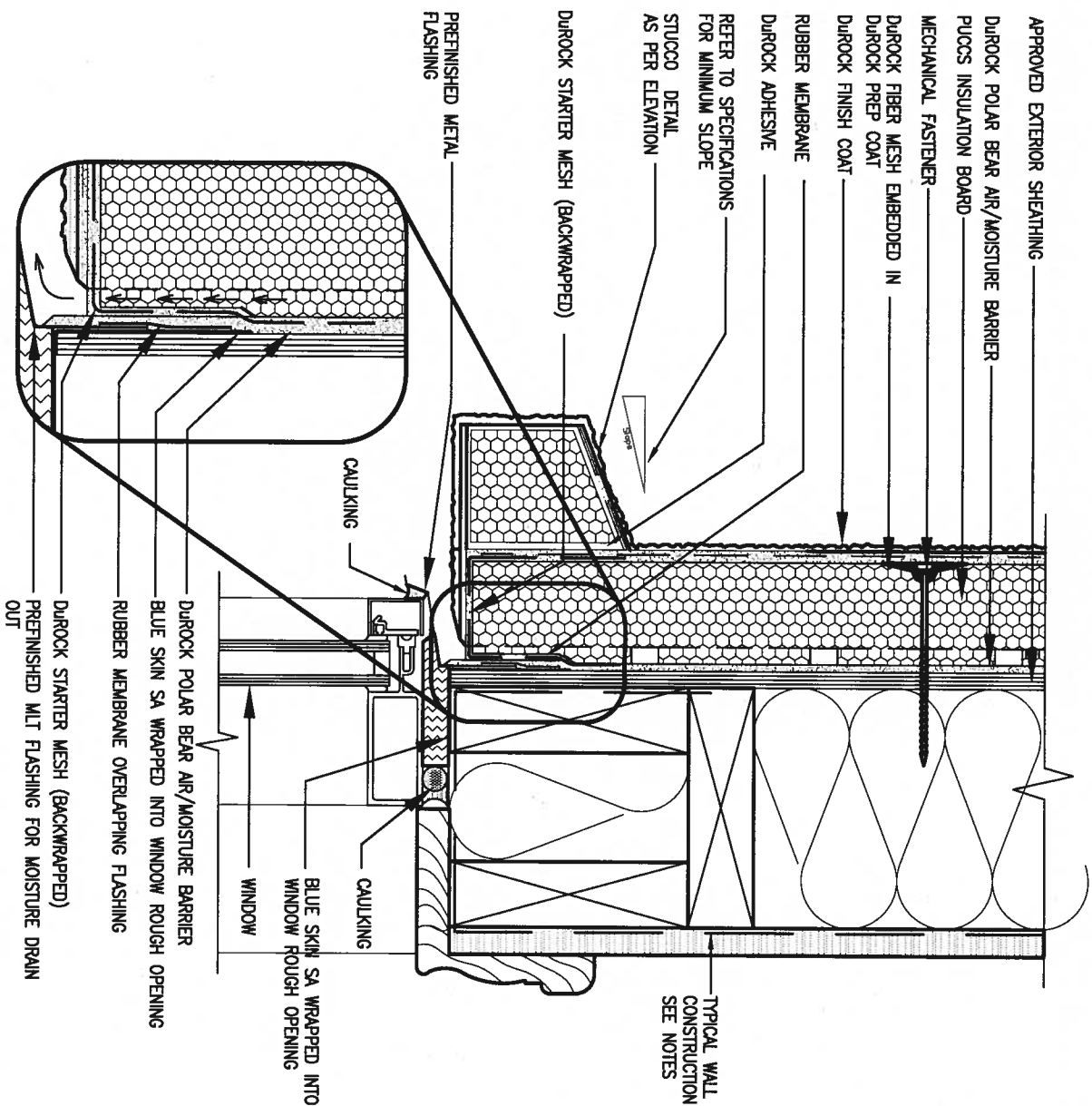


9.				The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.
8.				qualification information
7.				Wellington Jno-Baptiste 25591
6.				name
5.				registration information
4.				VA3 Design Inc. 42658
3.				
2.				
1.	ISSUE FOR CLIENT REVIEW	AUG 04-17	RC	
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

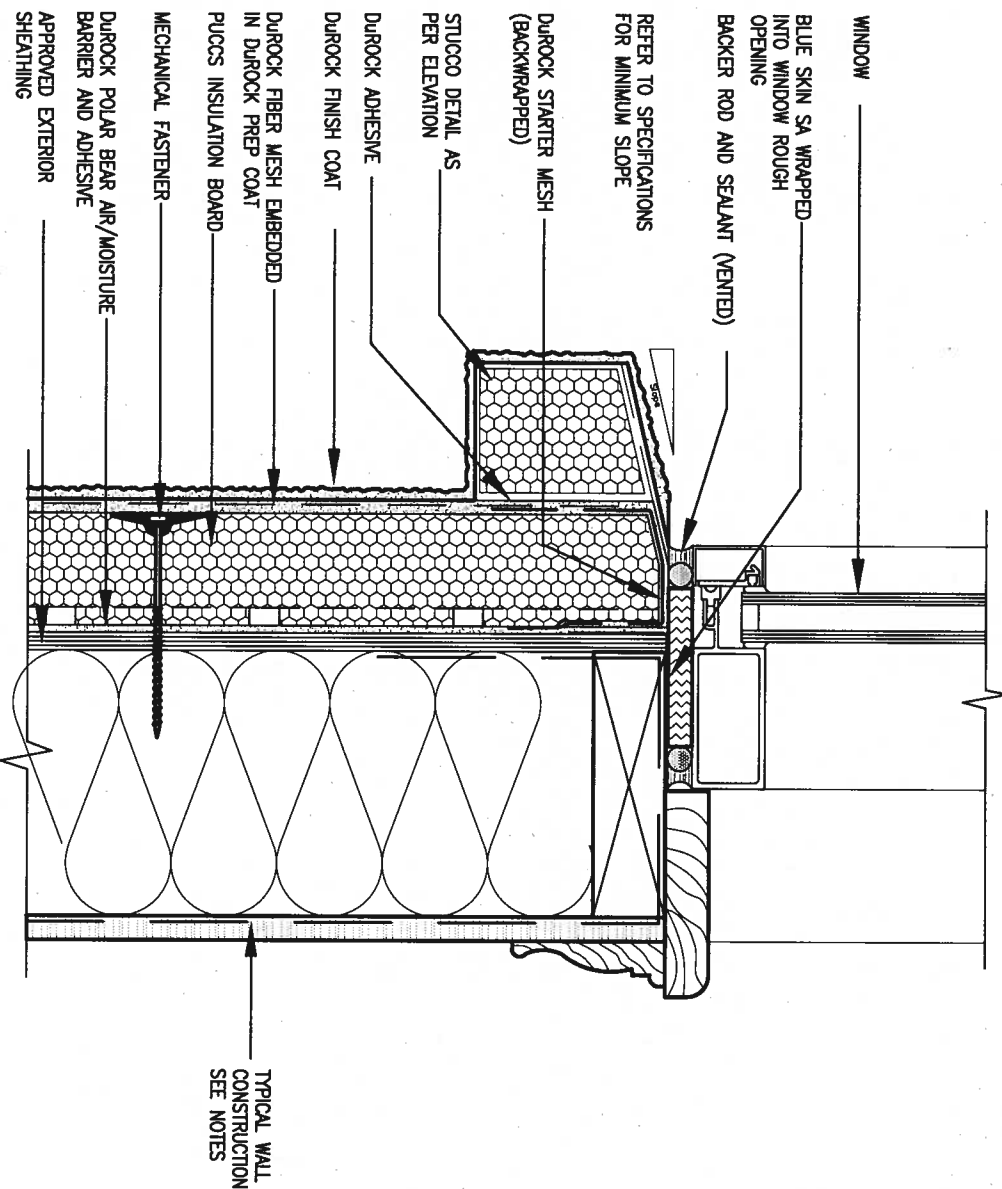
BAYVIEW WELLINGTON		CONST NOTE	
project name	ALCONA	municipality	INNISFIL, ON.
date	MAY 2016	checked by	scale
drawn by	RC		3/16" = 1'-0"
CONSTRUCTION NOTES		file name	13049-CN-A1
		drawing no.	CN2



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"



STRUCTURAL

9					
8					
7					
6					
5					
4					
3					
2					
1	ISSUE FOR CLIENT REVIEW	AUG 04-17	RC		
no.	description	date	by		

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

BAYVIEW WELLINGTON

project name
ALCONA
date
MAY 2016
drawn by
RC

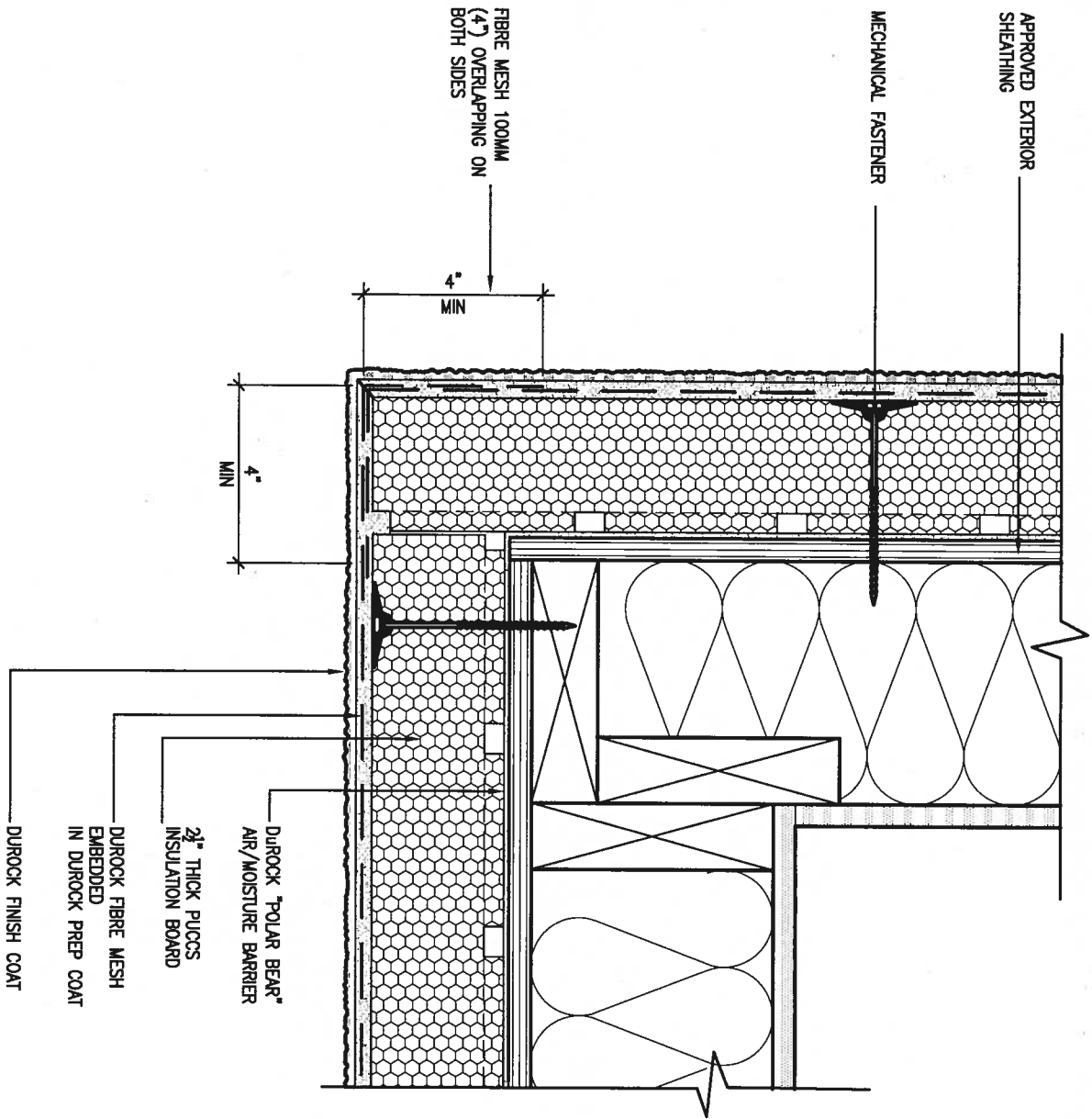
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scale
3/16" = 1'-0"

CONSTRUCTION NOTES
file name
13049-CN-A1

drawing no.
CN3

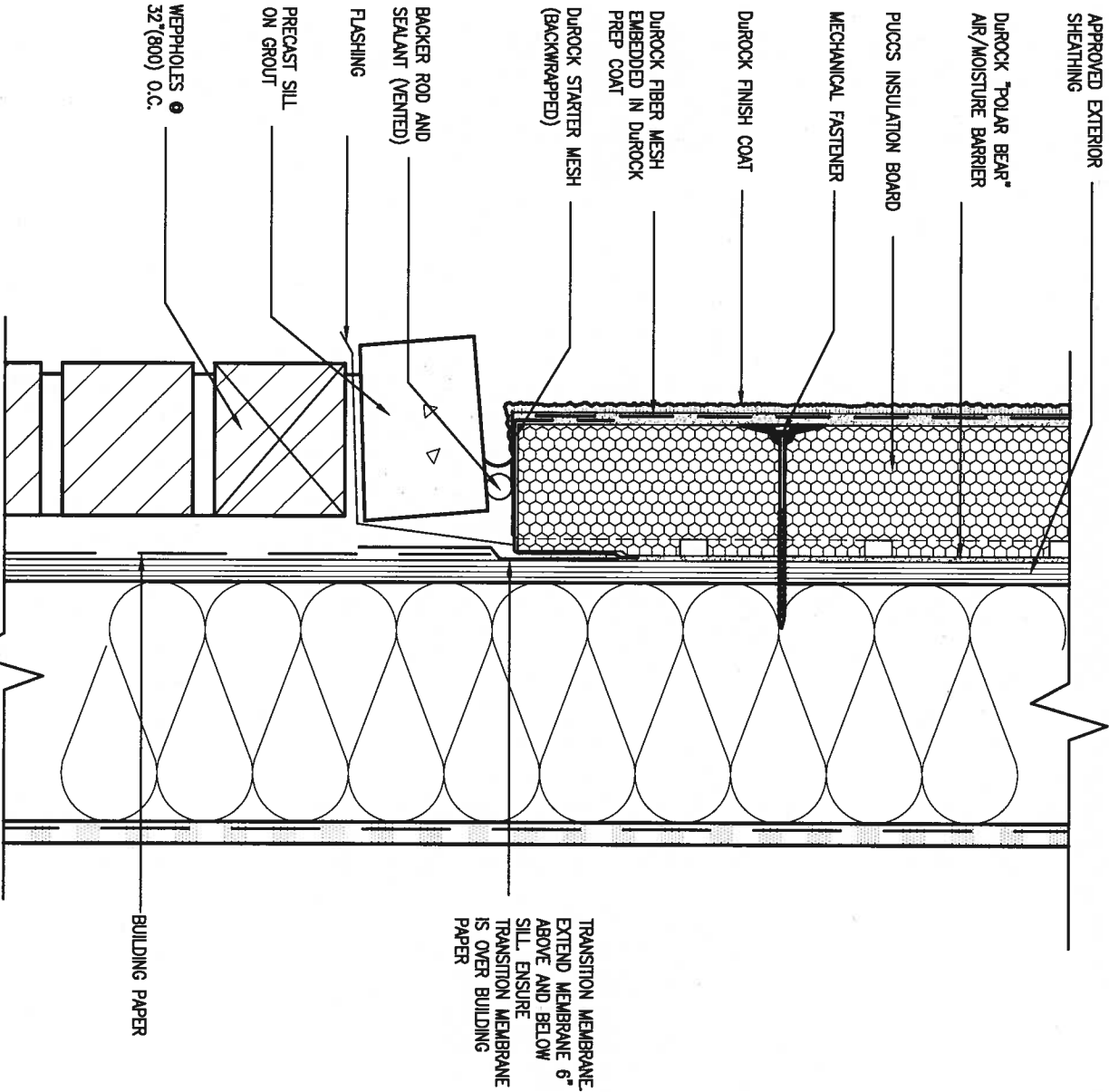
CONST NOTE

project no.
13049



5 CORNER DETAIL
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
SCALE: 3"=1'-0"



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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
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

project name
ALCONA
municipality
INNISFIL, ON.

date
MAY 2016
checked by
RC
scale
3/16" = 1'-0"

CONST NOTE

project no.
13049

CONSTRUCTION NOTES
file name
13049-CN-A1
CN5

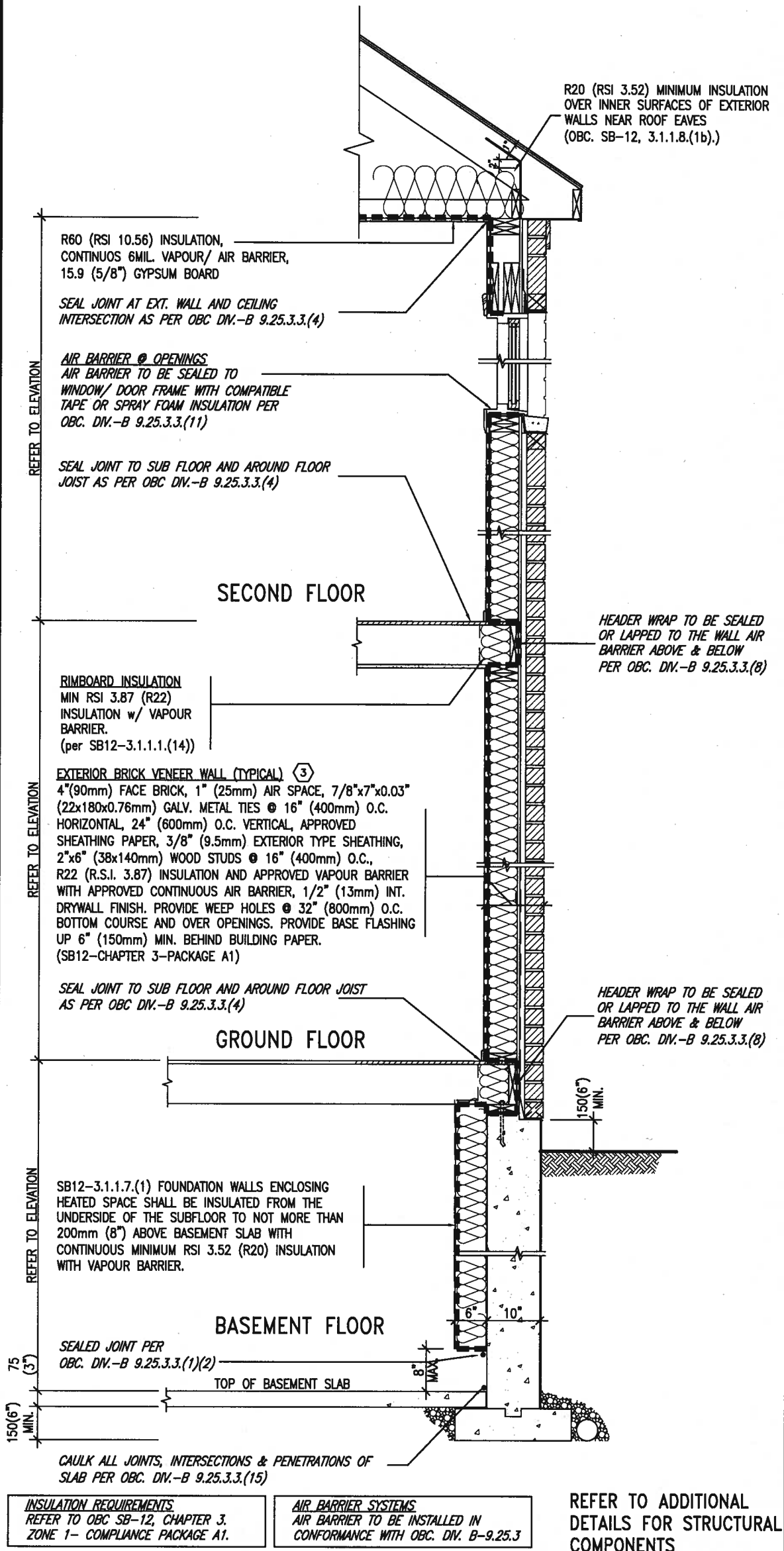
SB12-COMPLIANCE PACKAGE 'A1'

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.

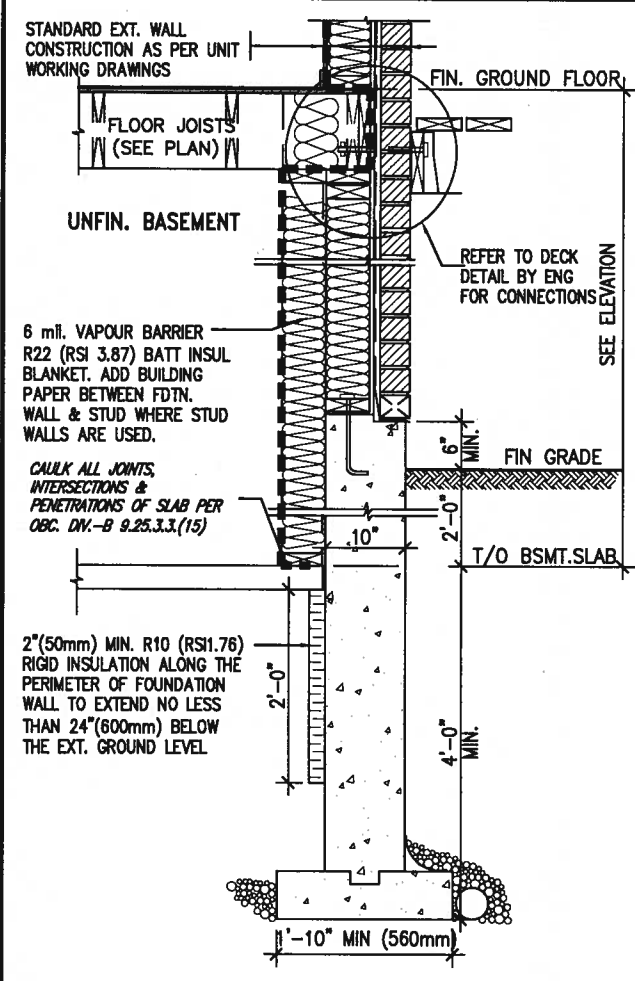
USE SB-12 COMPLIANCE PACKAGE (A1):

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



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



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

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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
registration information
VA3 Design Inc. 42658

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

VA3 DESIGN
255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

BAYVIEW WELLINGTON

project name
ALCONA

date
MAY 2016

drawn by
RC

checked by
-

scale
3/16" = 1'-0"

CONST NOTE

project no.
13049

municipality
INNISFIL, ON.

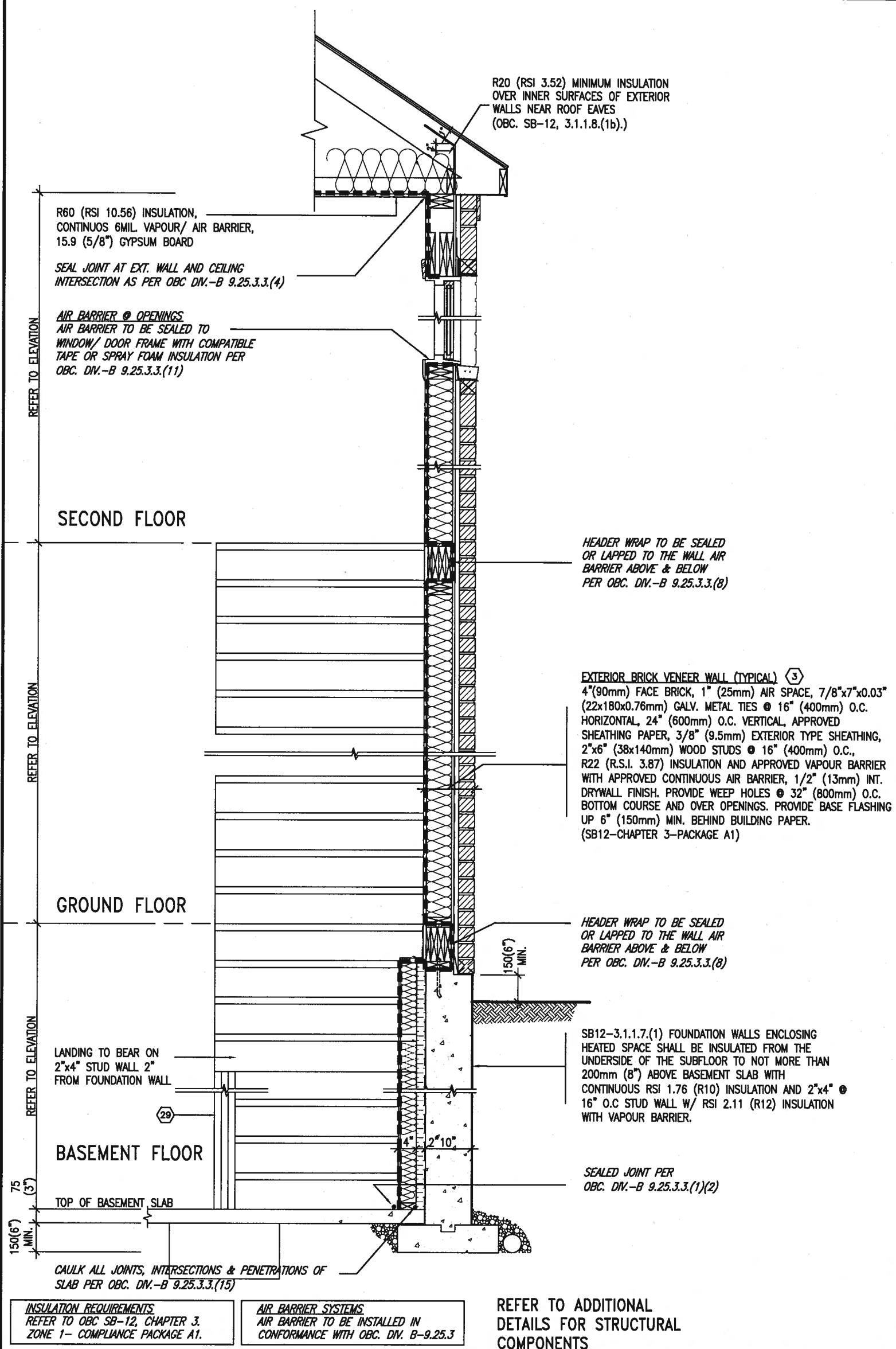
CONSTRUCTION NOTES

file name
13049-CN-A1

CN6

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SB12-COMPLIANCE PACKAGE 'A1'



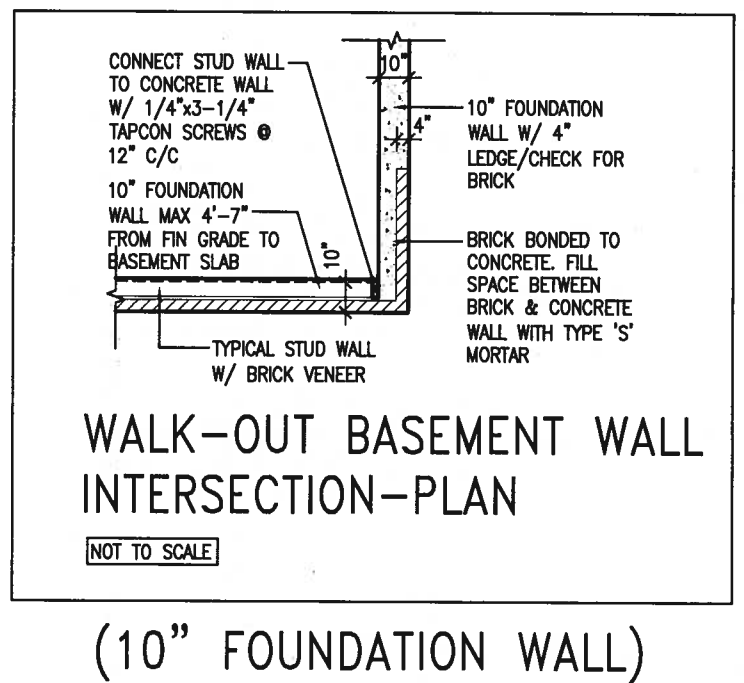
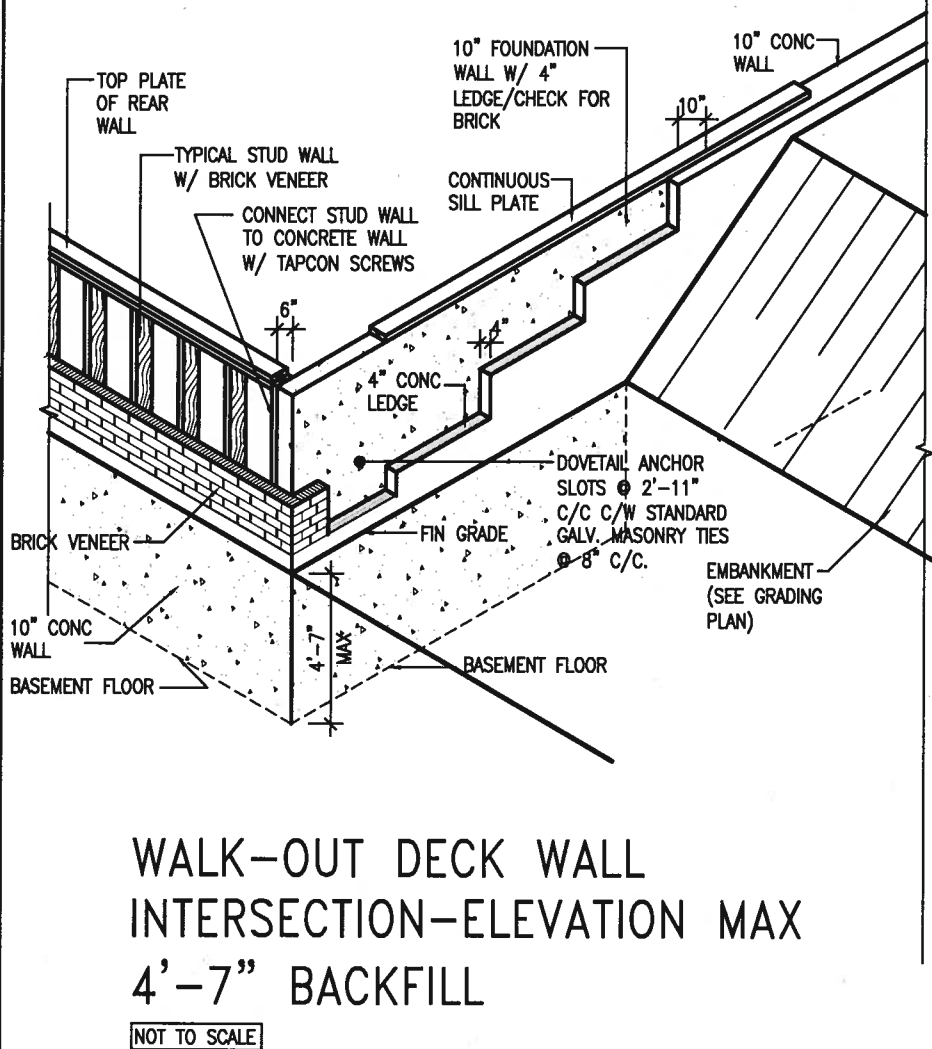
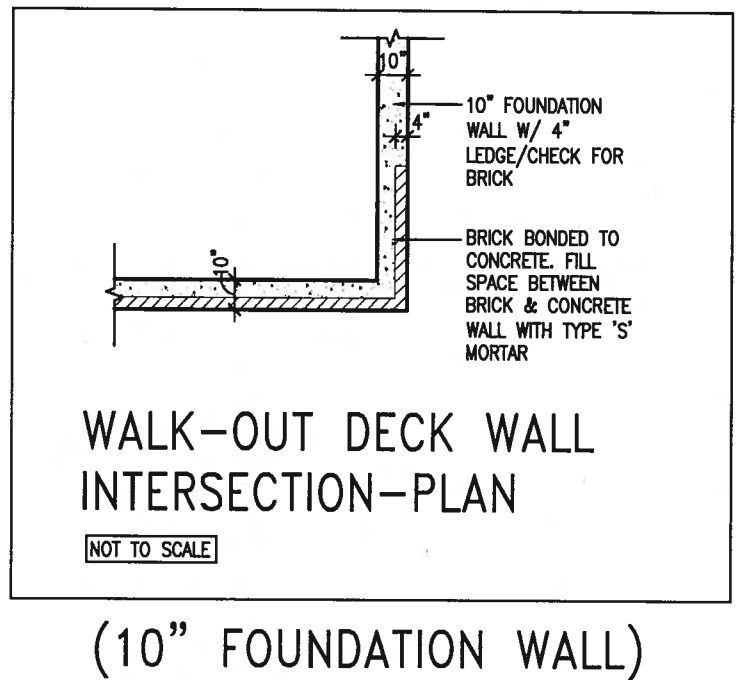
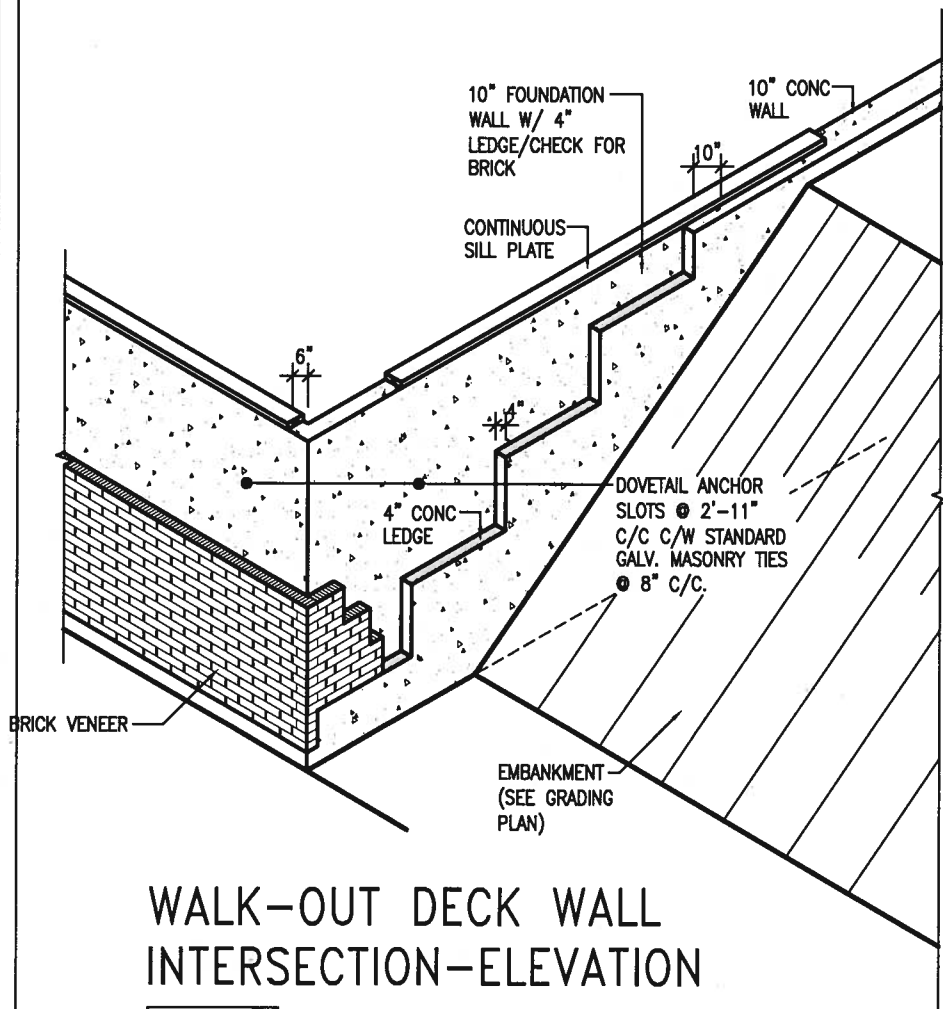
EW STR TYPICAL EXT. WALL AIR BARRIER CONTINUITY SECTION w/ BRICK VENEER AT STAIR AND SUNKEN COND (PACKAGE A1) 10" FOUNDATION WALL SCALE: N.T.S.



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.			25591		
8. qualification information			BCN		
7. Wellington Jno-Baptiste			signature		
6. name			42658		
5. registration information			VA3 Design Inc.		
4. Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.			255 Consumers Rd Suite 120		
3. 1 ISSUE FOR CLIENT REVIEW			Toronto ON M2J 1R4		
2. no. description			t 416.630.2255 f 416.630.4782		
1. date			va3design.com		
AUG 04-17 RC			BAYVIEW WELLINGTON		
			CONST NOTE		
			project name		
			ALCONA		
			municipality		
			INNISFIL, ON.		
			project no.		
			13049		
			date		
			MAY 2016		
			drawn by		
			RC		
			checked by		
			-		
			scale		
			3/16" = 1'-0"		
			CONSTRUCTION NOTES		
			file name		
			13049-CN-A1		
			drawing no.		
			CN7		
			RICHARD - H:\ARCHIVE\WORKING\2013\13049.BW\UNITS\CN Notes\13049-CN-A1.dwg - Fri - Aug 4 2017 - 9:15 AM		



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

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qualification information

Wellington Jno-Baptiste 25591

name registration information BCIN

VAS Design Inc. 42658

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VAS
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CONST NOTE

project name ALCONA	municipality INNISFIL, ON.	project no. 13049
date MAY 2016	checked by RC	scale 3/16" = 1'-0"
drawn by RC	file name 13049-CN-A1	drawing no. CN10

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