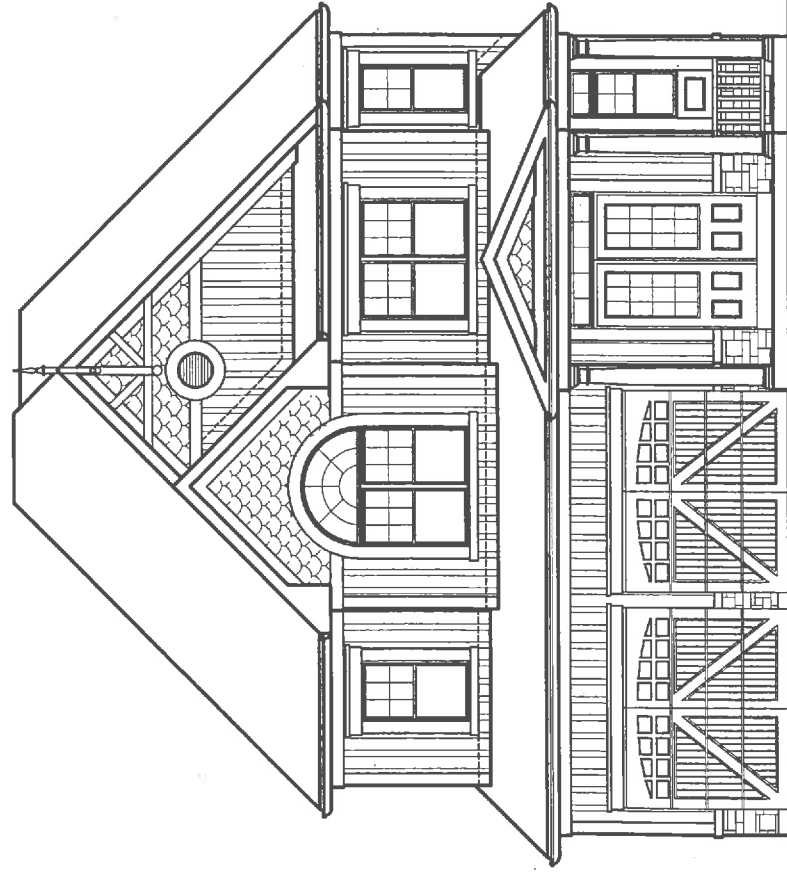
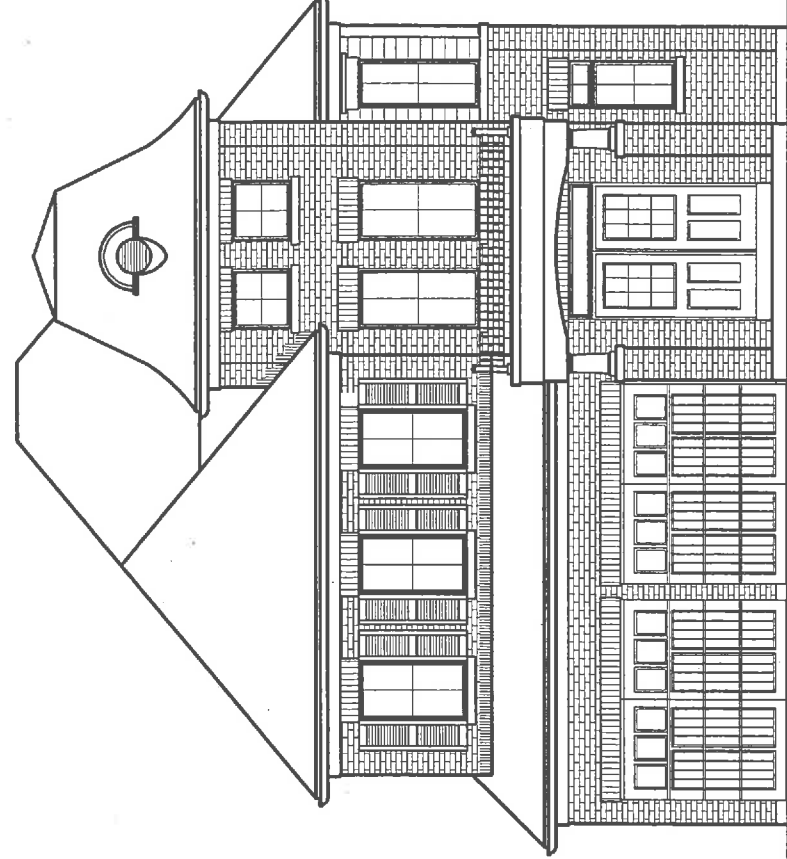




FRONT ELEVATION 'A'



FRONT ELEVATION 'B'

DRAWING LIST:

40-6 (IMPERIAL)

TITLE SHEET

- A1 BASEMENT FLOOR ELEV. 'A'
- A2 GROUND FLOOR ELEV. 'A'
- A3 SECOND FLOOR ELEV. 'A'
- A4 BASEMENT FLOOR ELEV. 'B'
- A5 GROUND FLOOR ELEV. 'B'
- A6 SECOND FLOOR ELEV. 'B'
- A7 FRONT ELEVATION 'A'
- A8 RIGHT SIDE ELEVATION 'A'
- A9 REAR ELEVATION 'A'
- A10 LEFT SIDE ELEVATION 'A'
- A11 FRONT ELEVATION 'B'
- A12 RIGHT SIDE ELEVATION 'B'
- A13 REAR ELEVATION 'B'
- A14 LEFT SIDE ELEVATION 'B'
- D1 CONSTRUCTION SHEET
- D2 CONSTRUCTION SHEET
- D3 CONSTRUCTION SHEET
- D4 TYPICAL SECTION

GROSS GLAZING AREA 'A'

TOTAL PERIPHERAL WALL AREA	2918.32 SF	271.11 m²
FRONT GLAZING AREA	97.08 SF	9.02 m²
LEFT SIDE GLAZING AREA	20.94 SF	1.95 m²
RIGHT SIDE GLAZING AREA	52.56 SF	4.88 m²
REAR GLAZING AREA	105.05 SF	9.76 m²
TOTAL GLAZING AREA	275.63 SF	25.61 m²
TOTAL GLAZING PERCENTAGE	9.44 %	

GROSS GLAZING AREA 'B'

TOTAL PERIPHERAL WALL AREA	2918.32 SF	271.11 m²
FRONT GLAZING AREA	83.27 SF	7.74 m²
LEFT SIDE GLAZING AREA	20.94 SF	1.95 m²
RIGHT SIDE GLAZING AREA	52.56 SF	4.88 m²
REAR GLAZING AREA	105.05 SF	9.76 m²
TOTAL GLAZING AREA	261.82 SF	24.32 m²
TOTAL GLAZING PERCENTAGE	8.97 %	

ESQUIRE HOMES
NORTHGLEN
CLARINGTON, ONTARIO



RN design
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8395 JANE STREET
SUITE 203
VAUGHAN, ON

TEL: 905-738-3177
FAX: 905-738-5449

CONTACT PERSON:

100014328

No.	REVISION COMMENTS:	DATE	DWN	CHK	No.	REVISION COMMENTS:	DATE	DWN	CHK	SCALE
1.	UPDATED TO OBC 2017 ENACTMENT	AUG. 28-2017	SB	NC						AS NOTED
2.	REVISED AS PER ENG. COMMENTS	SEPT. 27-2017	HAZ	NC						PROJECT No.
3.	ISSUED FOR FINAL	OCT. 03-2017	SB	NC						16062

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MUST BE REPORTED DIRECTLY TO RN DESIGN LTD.

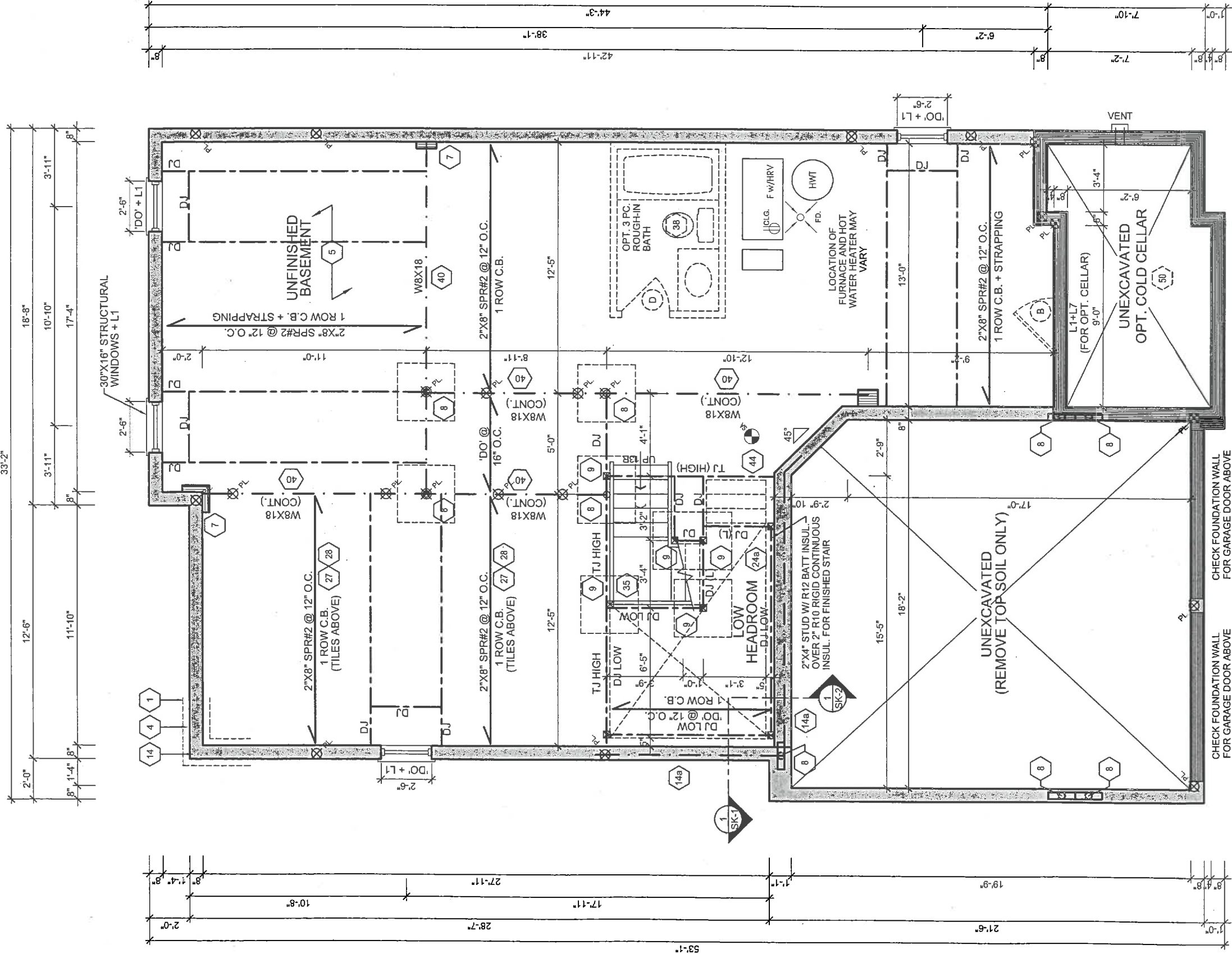
I, NELSON CUNHA DECARE THAT I HAVE REVIEWED AND TAKE DESIGN
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I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE
CLASSES/CATEGORIES.

QUALIFIED DESIGNER BCIN: 21032
FIRM BCIN: 26995
DATE: OCTOBER 03, 2017

SIGNATURE:

[Signature]

T1



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

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ARCHITECTURAL REVIEW & APPROVAL
OCT 10 2017
John G. Williams Limited, Architect

PROFESSIONAL ENGINEER
J. G. ALVAREZ
100014328

ECO ENGINEERING
OCT 05 2017

BASEMENT FLOOR ELEV. 'A'

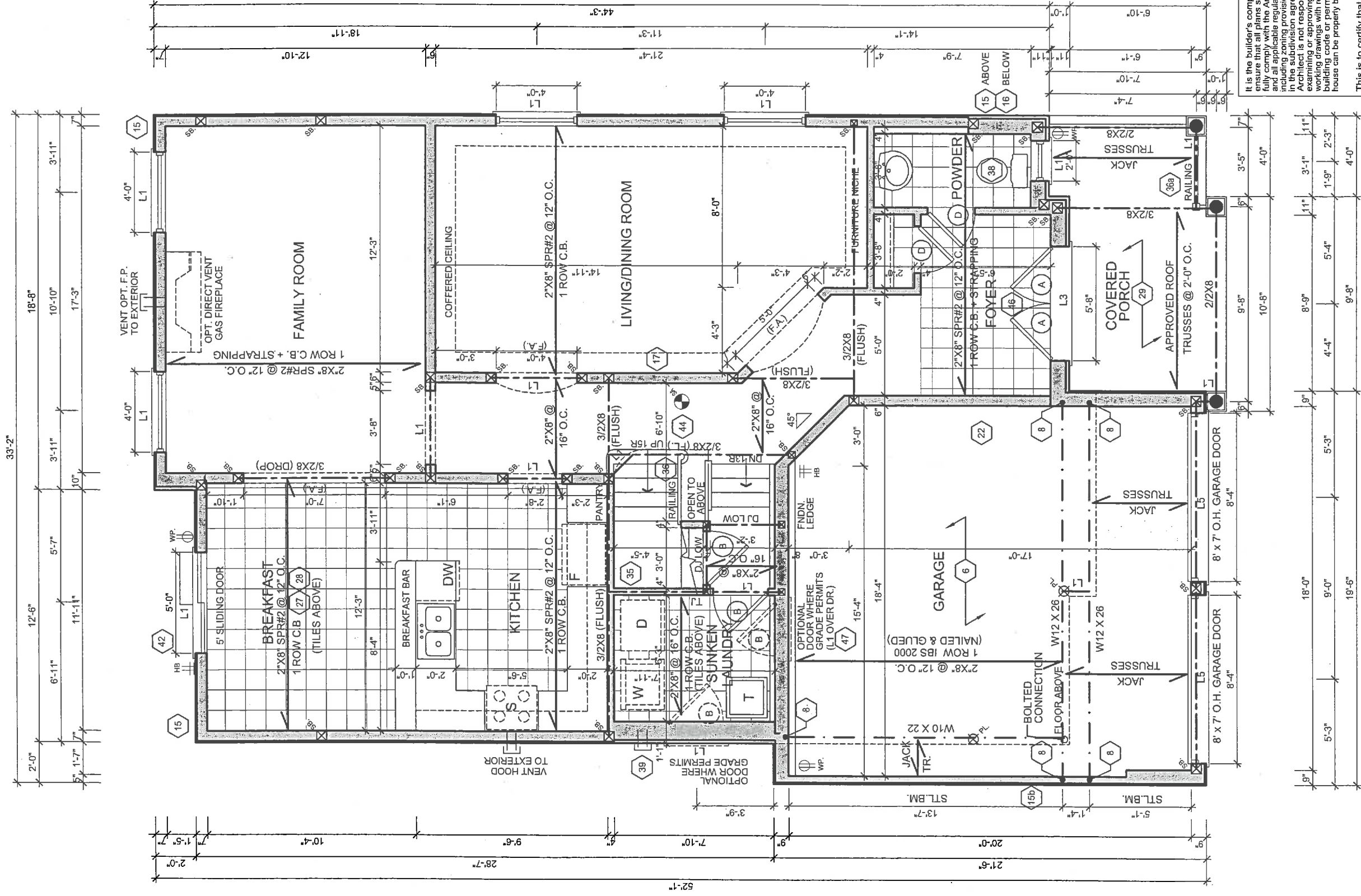
NOTE:
SPACE ALL FLOOR JOISTS @ 12" O.C.
UNDER ALL CERAMIC TILES AREA

 FN design <i>Imagina • Inspira • Create</i> TEL: (905) 738-3177 FAX: (905) 738-5449	MODEL	40-6 (IMPERIAL)	ESQUIRE HOMES NORTHGLEN CLARINGTON, ONTARIO			No. ISSUED OR REVISION COMMENTS			DATE	DWN	CHK	SCALE 3/16" = 1'0"
	CLIENT	1.				UPDATED TO OBC 2017 ENACTMENT	AUG. 28-2017	SB	NC			
		2.				REVISED AS PER ENG. COMMENTS	SEPT. 27-2017	HAZ	NC			
		3.				ISSUED FOR FINAL	OCT. 03-2017	SB	NC			
THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. ALL DIMENSIONS MUST BE REPORTED DIRECTLY TO FN DESIGN LTD.			I, NELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF FN DESIGN LIMITED. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSES/CATEGORIES.			QUALIFIED DESIGNER BCIN: 21032			SIGNATURE: 			
						FIRM BCIN: 26995			DATE: OCTOBER 03, 2017			
									PAGE			A1

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UNDER DIVISION C, PART 3, SUBSECTION 3.2.4. OF THE BUILDING CODE.
I AM QUALIFIED AND THE FIRM IS REGISTERED, IN THE APPROPRIATE
CLASSES/CATEGORIES.



GROUND FLOOR ELEV. 'A'

NOTE:
SPACE ALL FLOOR JOISTS @ 12" O.C.
UNDER ALL CERAMIC TILES AREA

NOTE:
CONC. FRONT PORCH
POURED PRIOR TO BRICK

It is the builder's complete responsibility to ensure that all plans submitted for approval comply with the applicable Guidelines and all applicable 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 building drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot.

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ARCHITECTURAL REVIEW APPROVAL

OCT 14 2017

John G. Williams, Architect

PROFESSIONAL ENGINEER
J. G. ALVAREZ
1000-14328

OCT 05 2017

MODEL	40-6 (IMPERIAL)				DWN		CHK	SCALE	
							NC	3/16" = 1'0"	
							SB		
CLIENT							HAZ	PROJECT NUMBER	
							SB	16062	
							NC	PAGE	
								A2	

These drawings are not to be scaled. All dimensions must be verified by contractor prior to commencement of any work. Any discrepancies must be reported directly to RN design Ltd.

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FAX: (905) 738-5449

FILE: C:_RN_StandardsTemp\AcPublish_1211216062-40-6-FINAL.dwg Plotted: Oct 03, 2017 By: sergey.b

QUALIFIED DESIGNER BCIN: 21032

FIRM BCIN: 26995

DATE: OCTOBER 03, 2017

Signature:

DATE: OCT 03, 2017

ISSUED OR REVISION COMMENTS

1. UPDATED TO OBC 2017 ENACTMENT

2. REVISED AS PER ENG. COMMENTS

3. ISSUED FOR FINAL

NO.

1.

2.

3.

DATE

AUG. 28-2017

SEPT. 27-2017

OCT. 03-2017

ISSUED OR REVISION COMMENTS

1. NIELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RN DESIGN LIMITED UNDER DIVISION C, PART 3, SUBSECTION 3.2.4. OF THE BUILDING CODE. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSIFICATION CATEGORIES.

DATE

OCT 03, 2017

DATE

OCT 03, 2017



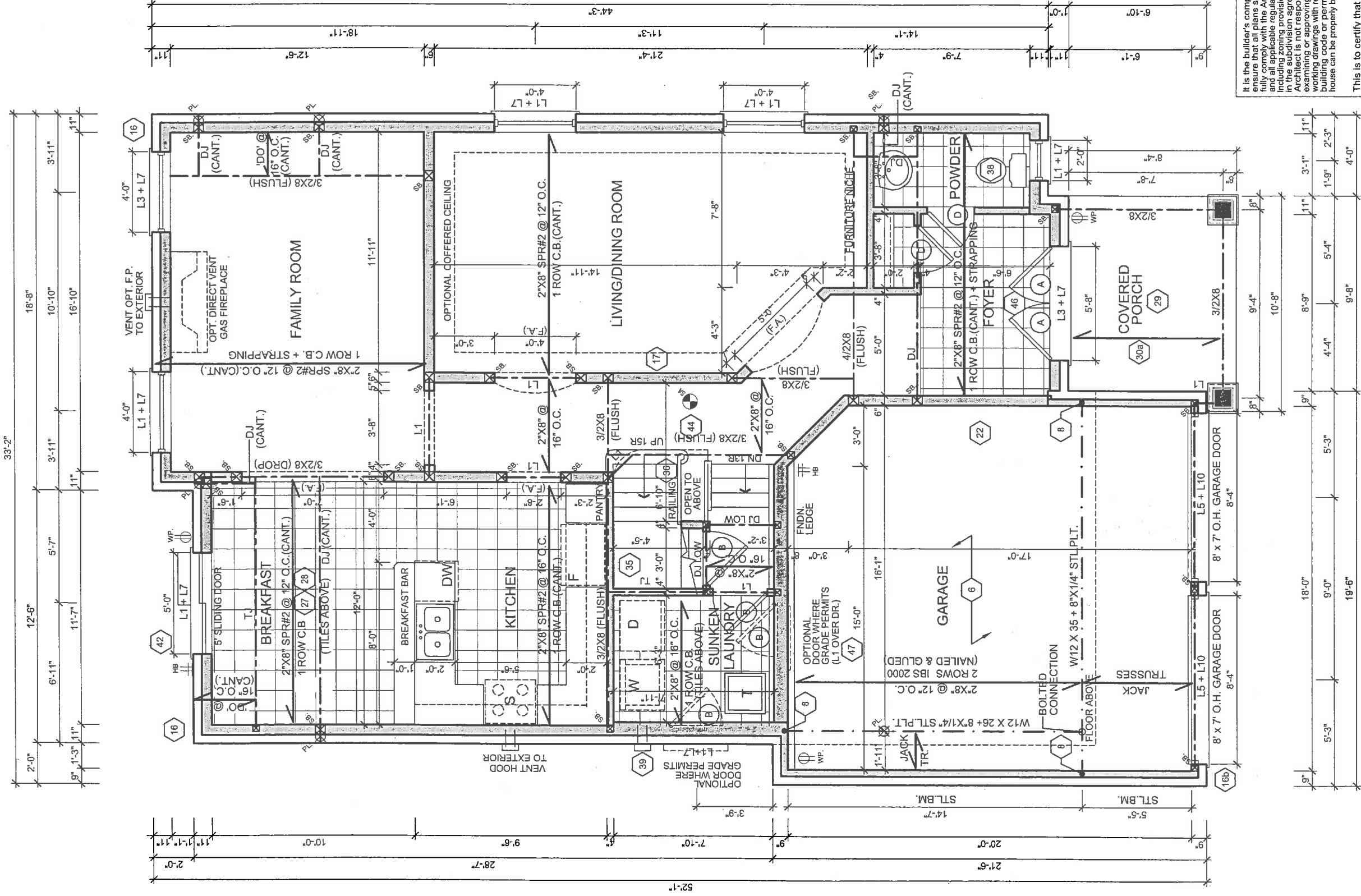
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ARCHITECTURAL REVIEW & APPROVAL

John G. Williams Limited, Architect

 RN design <i>Imagine • Inspire • Create</i> TEL: (905) 735-5449 FAX: (905) 735-5449	MODEL	40-6 (IMPERIAL)			
	CLIENT	ESQUIRE HOMES NORTHGLEN CLARINGTON, ONTARIO			
	I, NELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RN DESIGN LIMITED UNDER DIVISION C, PART 3, SUBSECTION 3.2.4. OF THE BUILDING CODE. IF ANY DISCREPANCIES ARE FOUND, THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASS/CATEGORIES.		SIGNATURE: 		
			QUALIFIED DESIGNER BCIN: 21032		
			FIRM BCIN: 26995		
			DATE: OCTOBER 03, 2017		
THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK, AND DISCREPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN LTD.					
No.	ISSUED OR REVISION COMMENTS	DATE	DWN	CHK	SCALE
1.	UPDATED TO OBC 2017 ENACTMENT	AUG. 28-2017	SB	NC	3/16" = 1'0"
2.	REVISED AS PER ENG. COMMENTS	SEP 11-27-2017	HAZ	NC	PROJECT NUMBER
3.	ISSUED FOR FINAL	OCT. 03-2017	SB	NC	16062
					PAGE
					A4



GROUND FLOOR ELEV. 'B'

NOTE:
SPACE ALL FLOOR JOISTS @ 12" O.C.
UNDER ALL CERAMIC TILES AREA

NOTE:
CONC. FRONT PORCH
POURED PRIOR TO BRICK

It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with applicable zoning regulations 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 working drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot.

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ARCHITECTURAL REVIEW & APPROVAL

OCT 10 2017

John G. Williams Limited, Architect



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I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE
CLASSES/CATEGORIES.

QUALIFIED DESIGNER BCIN: 21032
FIRM BCIN: 26995
DATE: OCTOBER 03, 2017

SIGNATURE

MODEL

40-6 (IMPERIAL)

CLIENT

ESQUIRE HOMES
NORTHGLEN
CLARINGTON, ONTARIO

No. ISSUED OR REVISION COMMENTS

1. UPDATED TO OBC 2017 ENACTMENT

2. REVISED AS PER ENG. COMMENTS

3. ISSUED FOR FINAL

CHK

SCALE

3/16" = 1'0"

NC

SB

PROJECT NUMBER

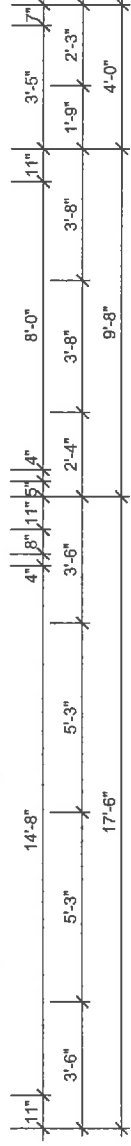
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NC

SB

PAGE

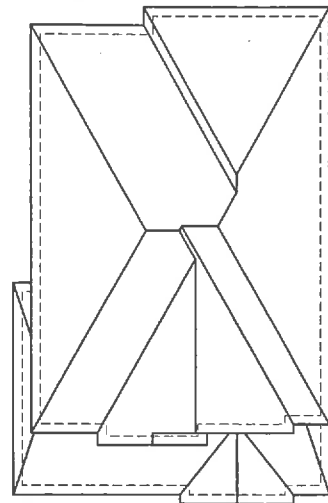
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NOTE:
SPACE ALL FLOOR JOISTS @ 12" O.C.
UNDER ALL CERAMIC TILES AREA

John G. Williams *United, Architect*

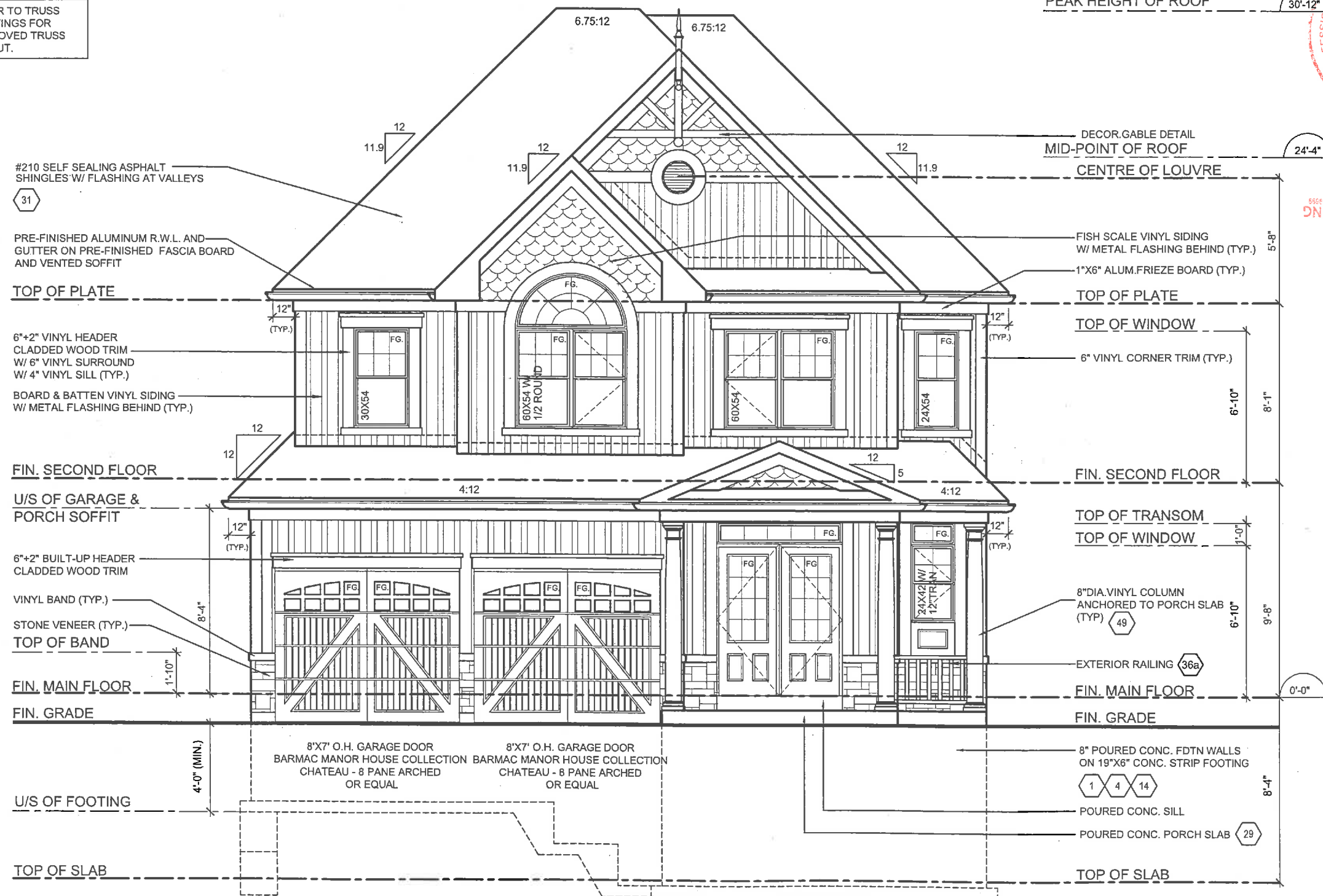
②



ROOF PLAN 'A'

ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART 9 OF THE OBC. ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4" SPF @ 24" o.c. WITH A 2"x4" SPF VERTICAL POST TO THE TRUSS UNDER, AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE Laterally Braced so that the distance between end points & between rows of bracing does not exceed 6'.

REFER TO TRUSS DRAWINGS FOR APPROVED TRUSS LAYOUT.



FRONT ELEVATION 'A'

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ARCHITECTURAL REVIEW & APPROVAL
OCT 10 2017
John G. Williams Limited Architect

PEAK HEIGHT OF ROOF 30'-12"

DECOR. GABLE DETAIL
MID-POINT OF ROOF 24'-4"

CENTRE OF LOUVRE

FISH SCALE VINYL SIDING
W/ METAL FLASHING BEHIND (TYP.) 5'-8"

1"x6" ALUM. FRIEZE BOARD (TYP.)

TOP OF PLATE

TOP OF WINDOW

6" VINYL CORNER TRIM (TYP.)

FIN. SECOND FLOOR

TOP OF TRANSOM
TOP OF WINDOW 1'-0"

8" DIA. VINYL COLUMN
ANCHORED TO PORCH SLAB (TYP.) 49

EXTERIOR RAILING 36a

FIN. MAIN FLOOR 0'-0"

FIN. GRADE

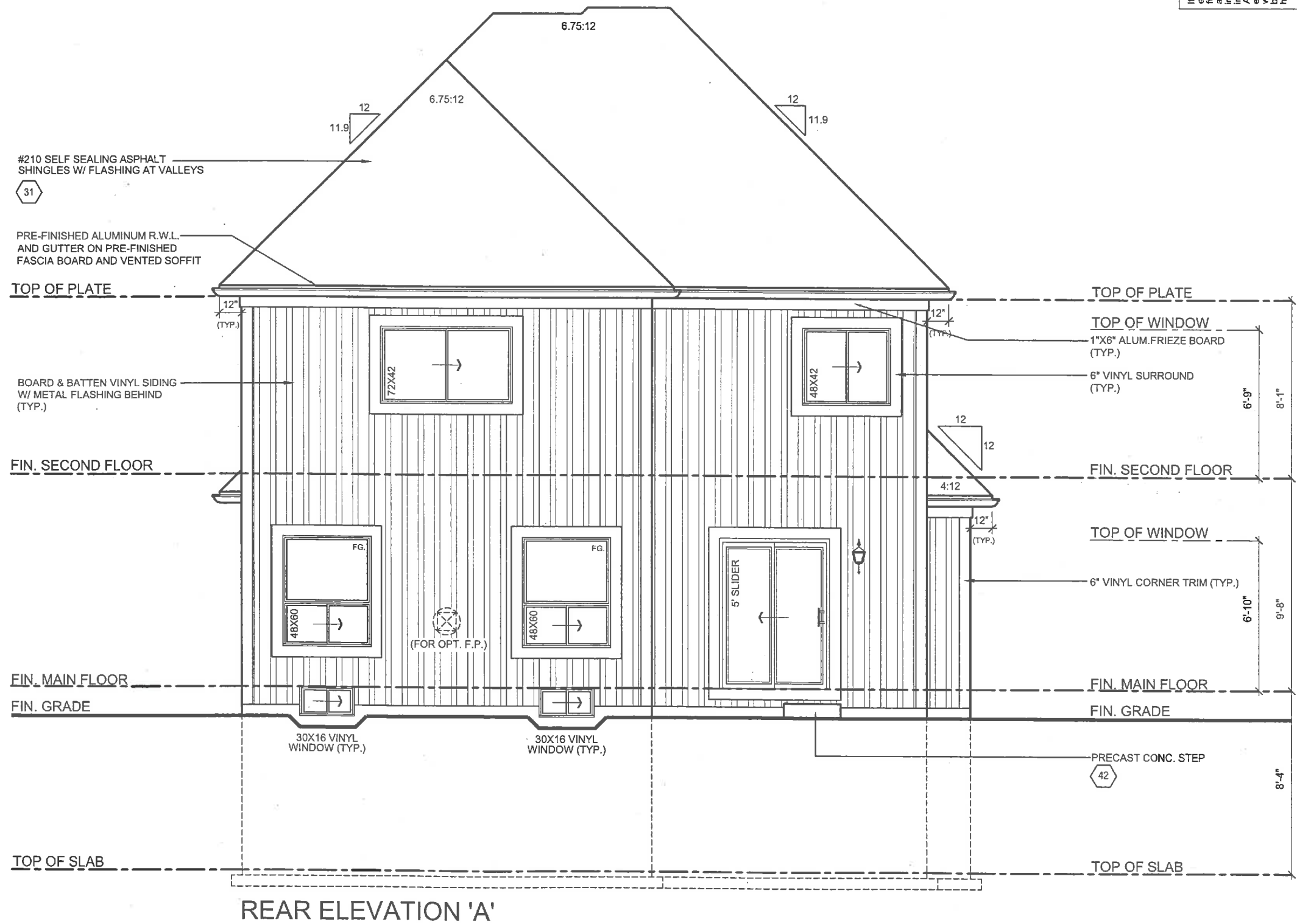
8" POURED CONC. FDTN WALLS
ON 19"x6" CONC. STRIP FOOTING 1 4 14

POURED CONC. SILL

POURED CONC. PORCH SLAB 29

TOP OF SLAB

MODEL		40-6 (IMPERIAL)		SCALE		3/16" = 1'0"		PAGE		A7	
CLIENT		ESQUIRE HOMES NORTHGLEN CLARINGTON, ONTARIO		DATE		AUG. 28-2017		PROJECT NUMBER		16062	
ISSUED OR REVISION COMMENTS		No.		DATE		AUG. 28-2017		PROJECT NUMBER		16062	
1. UPDATED TO OBC 2017 ENACTMENT		1.		AUG. 28-2017		AUG. 28-2017		PROJECT NUMBER		16062	
2. REVISED AS PER ENG. COMMENTS		2.		SEPT. 27-2017		SEPT. 27-2017		PROJECT NUMBER		16062	
3. ISSUED FOR FINAL		3.		OCT. 03-2017		OCT. 03-2017		PROJECT NUMBER		16062	
SIGNATURE:		21032		26895		OCTOBER 03, 2017		QUALIFIED DESIGNER BCIN:		26895	
FIRM BCIN:		26895		OCTOBER 03, 2017		DATE:		QUALIFIED DESIGNER BCIN:		26895	
DATE:		OCTOBER 03, 2017		DATE:		OCTOBER 03, 2017		QUALIFIED DESIGNER BCIN:		26895	
I, NELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE ENTIRE PROJECT. I AM A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSES/CATEGORIES.		I, NELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE ENTIRE PROJECT. I AM A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSES/CATEGORIES.		I, NELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE ENTIRE PROJECT. I AM A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSES/CATEGORIES.		I, NELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE ENTIRE PROJECT. I AM A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSES/CATEGORIES.		I, NELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE ENTIRE PROJECT. I AM A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSES/CATEGORIES.		I, NELSON CUNHA DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE ENTIRE PROJECT. I AM A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSES/CATEGORIES.	
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ARCHITECTURAL REVIEW & APPROVAL

OCT 10 2017

J. G. ALVAROZ

ARCHITECT

SCALE
3/16" = 1'0"

PROJECT NUMBER
16062

PAGE
A9

NO.	ISSUED OR REVISION COMMENTS	DATE	DWN	CHK	SCALE
1.	UPDATED TO OBC 2017 ENACTMENT	JUL 28-2017	SB	NC	
2.	REVISED AS PER ENG. COMMENTS	SEPT 27-2017	HAZ	NC	
3.	ISSUED FOR FINAL	OCT 03-2017	SB	NC	

QUALIFIED DESIGNER BCIN: 21032
FIRM BCIN: 26995
DATE: OCTOBER 03, 2017

MODEL
40-6 (IMPERIAL)

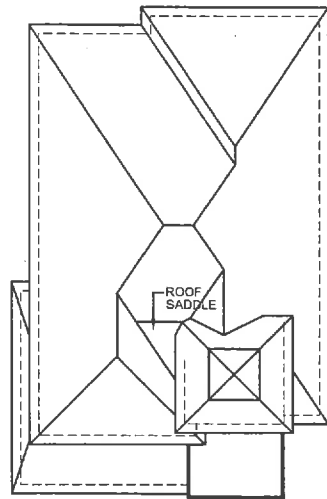
CLIENT
ESQUIRE HOMES
NORTHGLENN
CLARINGTON, ONTARIO

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FILE C:_RN_Standards\temp\AcPublish_121121\16062-40-6-FINAL.dwg Plotted: Oct 03, 2017 By:sergeyb

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ROOF PLAN 'B'

ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART 9 OF THE OBC. ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4" SPF @ 24" o.c. WITH A 2"x4" SPF VERTICAL POST TO THE TRUSS UNDER, AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE Laterally Braced so that the distance between end points & between rows of bracing does not exceed 6'.

REFER TO TRUSS DRAWINGS FOR APPROVED TRUSS LAYOUT.



It is the builder's complete responsibility to ensure that all plans submitted for approval comply with the applicable Building Code and all applicable 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 working drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot.

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ARCHITECTURAL REVIEW & APPROVAL
OCT 10 2017
John G. Williams, Architect

PEAK HEIGHT OF ROOF

MID-POINT OF ROOF

TOP OF RAISED CEILING

1"X12" PROJECTION
W/ EQUAL RETURN ON SIDE

1"X6" ALUM. FRIEZE BOARD (TYP.)

TOP OF PLATE

TOP OF WINDOW

6"x2" VINYL HEADER

HORIZONTAL VINYL SIDING
W/ METAL FLASHING BEHIND

6" VINYL CORNER TRIM (TYP.)

TOP OF BAND

16" DECOR. RAILING

FIN. SECOND FLOOR

HARDIE BOARD

TOP OF TRANSOM

TOP OF WINDOW

10"X10" STRUCT./DECOR.
COLUMN ON 1"-4"X1'-4"X7'-4"
HIGH MASONRY PIER
W/ 4" PRECAST CONC. CAP

FIN. MAIN FLOOR

FIN. GRADE

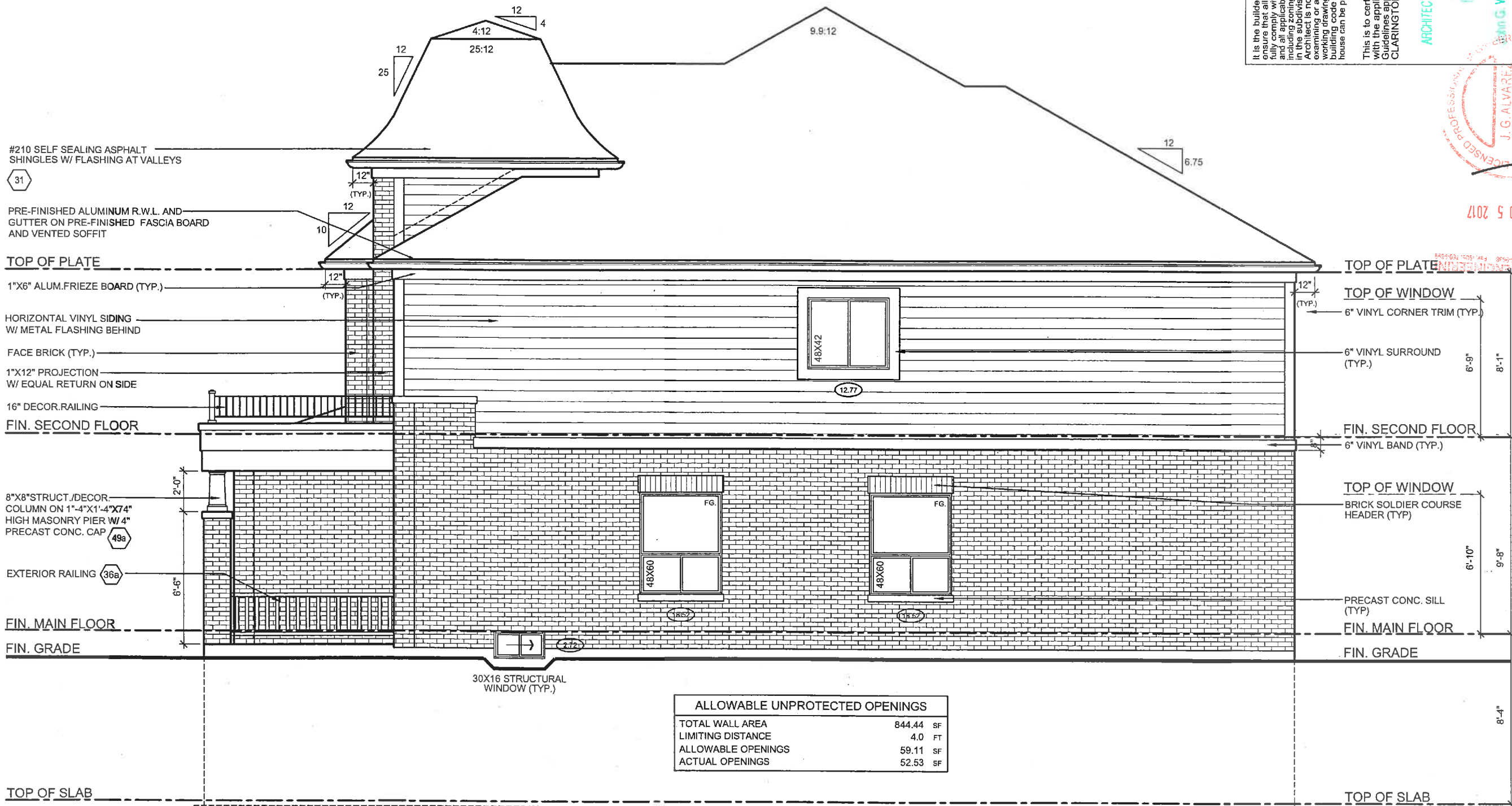
8" POURED CONC. FDN WALLS
ON 19"X6" CONC. STRIP FOOTING

POURED CONC. SILL

POURED CONC. PORCH SLAB

TOP OF SLAB

No.	ISSUED OR REVISION COMMENTS	DATE	DWN	CHK	SCALE	PAGE
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3.	ISSUED FOR FINAL	OCT. 03-2017	SB	NC		
40-6 (IMPERIAL)						A11
ESQUIRE HOMES NORTHGLENN CLARINGTON, ONTARIO						
MODEL						
CLIENT						
I, NELSON CUMMINS, DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RN DESIGN LIMITED UNDER DIVISION C, PART 3, SUBSECTION 3.2.4. OF THE BUILDING CODE. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSES/CATEGORIES.						
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RN design Imagine • Inspire • Create TEL: (905) 738-3177 FAX: (905) 738-5449						
QUALIFIED DESIGNER BCIN: 21032 FIRM BCIN: 26895 DATE: OCTOBER 03, 2017						
SIGNATURE:						



#210 SELF SEALING ASPHALT SHINGLES W/ FLASHING AT VALLEYS

PRE-FINISHED ALUMINUM R.W.L. AND GUTTER ON PRE-FINISHED FASCIA BOARD AND VENTED SOFFIT

TOP OF PLATE

1"X6" ALUM.FRIEZE BOARD (TYP.)

HORIZONTAL VINYL SIDING W/ METAL FLASHING BEHIND

FACE BRICK (TYP.)

1"X12" PROJECTION W/ EQUAL RETURN ON SIDE

16" DECOR.RAILING

FIN. SECOND FLOOR

8"X8"STRUCT./DECOR. COLUMN ON 1"-4"X1'-4"X74" HIGH MASONRY PIER W/ 4" PRECAST CONC. CAP

EXTERIOR RAILING

FIN. MAIN FLOOR

FIN. GRADE

30X16 STRUCTURAL WINDOW (TYP.)

ALLOWABLE UNPROTECTED OPENINGS	
TOTAL WALL AREA	844.44 SF
LIMITING DISTANCE	4.0 FT
ALLOWABLE OPENINGS	59.11 SF
ACTUAL OPENINGS	52.53 SF

TOP OF PLATE

TOP OF WINDOW

6" VINYL CORNER TRIM (TYP.)

6" VINYL SURROUND (TYP.)

FIN. SECOND FLOOR

6" VINYL BAND (TYP.)

TOP OF WINDOW

BRICK SOLDIER COURSE HEADER (TYP.)

PRECAST CONC. SILL (TYP.)

FIN. MAIN FLOOR

FIN. GRADE

TOP OF SLAB

RIGHT SIDE ELEVATION 'B'

It is the builder's complete responsibility to ensure that all plans and specifications 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 working drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot.

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

ARCHITECTURAL REVIEW & APPROVAL

OCT 10 2017

J. G. ALVAREZ

CLARINGTON, ONTARIO

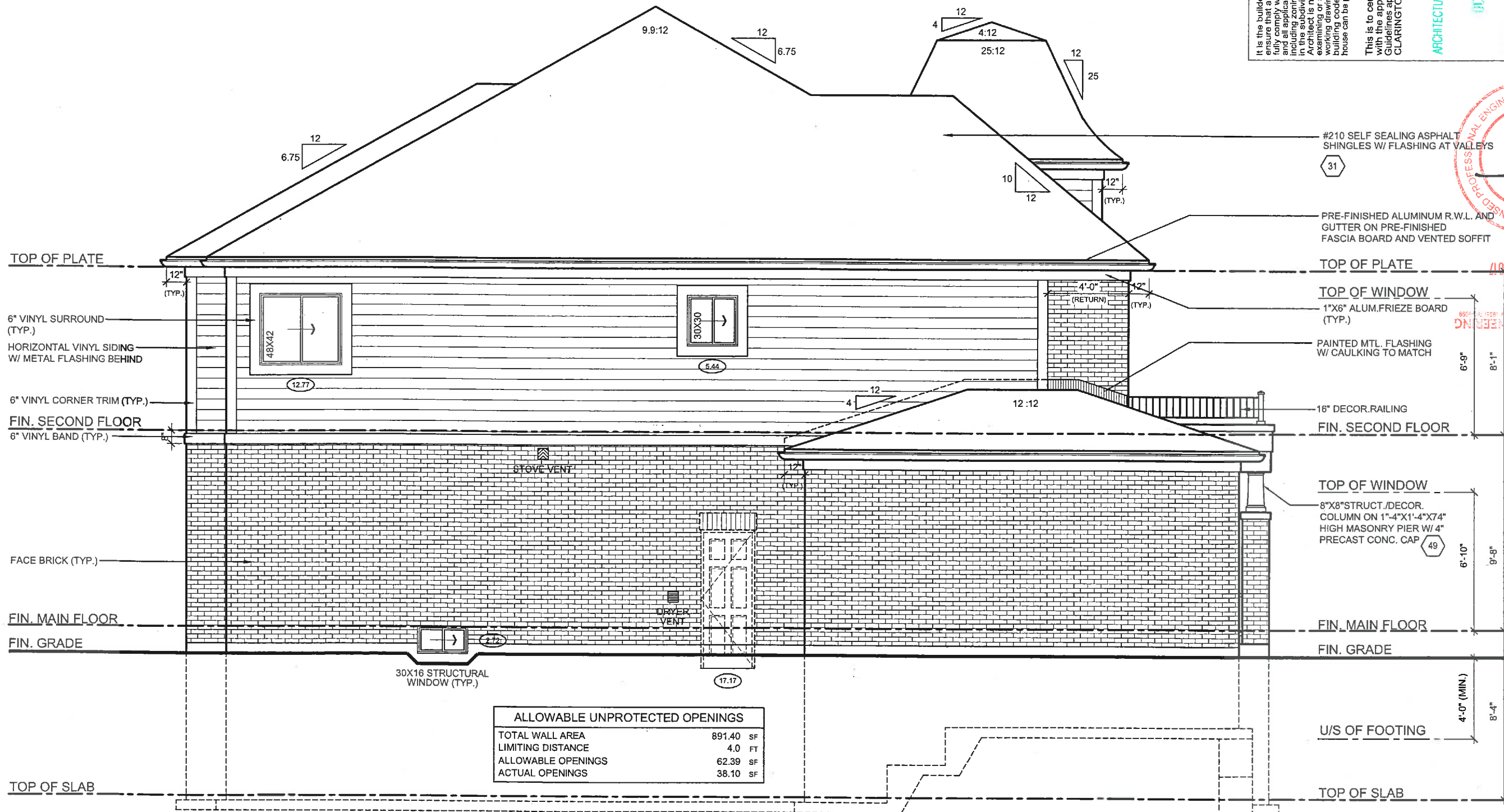
MODEL	40-6 (IMPERIAL)	ISSUED OR REVISION COMMENTS	DATE	DWN	CHK	SCALE
	CLIENT	1. UPDATED TO OBC 2017 ENACTMENT	AUG 28 2017	SB	NC	3/16" = 10"
		2. REVISED AS PER ENG. COMMENTS	SEPT 27 2017	HAZ	NC	PROJECT NUMBER
ESQUIRE HOMES NORTHGLEN CLARINGTON, ONTARIO	3. ISSUED FOR FINAL	OCT 03 2017	SB	NC	16062	
					PAGE	
RN design Imagine • Inspire • Create TEL: (905) 738-3177 FAX: (905) 738-5449						A12

THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN LTD.

I, NELSON CUNHA, DECLARE THAT I HAVE REVIEWED AND TAKE DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RN DESIGN LIMITED UNDER DIVISION C, PART 3, SUBSECTION 3.2.4. OF THE BUILDING CODE. I AM QUALIFIED, AND THE FIRM IS REGISTERED, IN THE APPROPRIATE CLASSIFICATION CATEGORIES.

QUALIFIED DESIGNER BCIN: 21032
FIRM BCIN: 26995
DATE: OCTOBER 03, 2017

SIGNATURE: [Signature]



LEFT SIDE ELEVATION 'B'

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

ARCHITECTURAL REVIEW & APPROVAL
OCT 10 2017
John G. Williams Limited, Architect

SCALE	3/16" = 1'0"
PROJECT NUMBER	16062
PAGE	A14

No.	ISSUED OR REVISION COMMENTS	DATE	DWN	CHK
1.	UPDATED TO OBC 2017 ENACTMENT	AUG 28-2017	SB	NC
2.	REVISED AS PER ENG. COMMENTS	SEPT 27-2017	HAZ	NC
3.	ISSUED FOR FINAL	OCT-03-2017	SB	NC

MODEL	40-6 (IMPERIAL)
CLIENT	ESQUIRE HOMES NORTHGLEN CLARINGTON, ONTARIO

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QUALIFIED DESIGNER BCIN: 21032
FIRM BCIN: 28995
DATE: OCTOBER 03, 2017

SIGNATURE:

CONSTRUCTION NOTES:

COMPLIANCE PACKAGE A1 - OBC 2012 - 2017 ENACTMENT

(UNLESS OTHERWISE NOTED)
-ALL CONSTRUCTION TO CONFORM TO THE ONTARIO BUILDING CODE (O.B.C.) AND ALL OTHER CODES AND LOCAL AUTHORITIES HAVING JURISDICTION.
-ALL DIMENSIONS GIVEN FIRST IN IMPERIAL FOLLOWED BY METRIC.
-THERMAL RESISTANCE VALUES BASED ON ZONE 1

FOOTINGS / SLABS:

TYPICAL STRIP FOOTING:

O.B.C. 9.15.3.
-BASED ON 16"-114.9mm) CONC. SUPPORTED JOIST LENGTH
-MIN. 2200psi (15MPa) MAX. SUPPORT AFTER 28 DAYS
-SHALL REST ON UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL W/ MIN. 10.9psi (73kPa) BEARING CAPACITY
-FIG. TO HAVE CONTINUOUS KEY
-FIG. SIZES MAY BE REDUCED FOR SOILS W/ GREATER BEARING CAPACITY (AS PER SOILS ENGINEERING REPORT)
-REFER TO WORKING DRAWINGS FOR SPECIFIC SIZES THAT MAY SUPERSEDE NOTES #1 & #2 FOR FOOTING SIZES

TYPICAL STRIP FOOTING: (EXTERIOR WALLS)

O.B.C. 9.15.3.5
-FIG. TO EXTEND MIN. 4'-0" (1200mm) BELOW GRADE
BRICK VENEER -1 STOREY - 13" X 4" (330mm X 100mm)
-2 STOREY - 19" X 6" (483mm X 153mm)
-3 STOREY - 26" X 9" (660mm X 230mm)

SIDING:
-1 STOREY - 10" X 4" (255mm X 100mm)
-2 STOREY - 14" X 4" (360mm X 130mm)
-3 STOREY - 18" X 5" (460mm X 130mm)

TYPICAL STRIP FOOTING: (INTERIOR BEARING WALLS)

O.B.C. 9.15.3.6
-1 STOREY MASONRY - 16" X 4" (410mm X 100mm)
-2 STOREY STUD - 12" X 4" (305mm X 100mm)
-2 STOREY MASONRY - 26" X 9" (650mm X 230mm)
-2 STOREY STUD - 18" X 5" (450mm X 130mm)
-3 STOREY MASONRY - 36" X 14" (900mm X 360mm)
-3 STOREY STUD - 24" X 8" (600mm X 200mm)

STEP FOOTING:

O.B.C. 9.15.3.9
-23.5/8" (600mm) MAX. VERTICAL RISE & 23.5/8" (600mm) MIN. HORIZONTAL RUN.

DRAINAGE TILE OR PIPE:

O.B.C. 9.14.3.
-4" (100mm) MIN. DIA. LAID ON UNDISTURBED OR WELL COMPACTED SOIL W/ TOP OF TILE OR PIPE TO BE BELOW BOTTOM OF FLR. SLAB.
-COVER TOP & SIDES OF TILE OR PIPE W/ 5.7/8" (150mm) OF CRUSHED STONE OR OTHER COURSE CLEAN GRANULAR MATERIAL
-TILE SHALL DRAIN TO A SEWER, DRAINAGE DITCH, OR DRY WELL.

BASEMENT SLAB:

O.B.C. 9.13. & 9.16.
-3" (75mm) CONCRETE SLAB
-2200psi (15MPa) AFTER 28 DAYS - O.B.C. 9.16.4.5.
-DAMP-PROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROIL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMP-PROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3600psi(25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-4" (100mm) OF COURSE GRANULAR MATERIAL
-PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FIG.
-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO O.B.C. 9.13.3.

-FLOOR DRAIN PER O.B.C.9.31.4.4.
-RTO (RS1 1.76) INSULATION AT PERIMETER OF SLAB WHERE GRADE IS WITHIN 23-1/2" (600mm) OF BASEMENT SLAB EDGE. INSULATION TO EXTEND TO NOT LESS THAN 23-1/2" (600mm) BELOW EXTERIOR GRADE LEVEL (OBC SB-12 : 3.1.1.7 (6))
-UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFORM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9)

SLAB ON GROUND:

O.B.C. 9.13.
-3" (75mm) CONCRETE SLAB - O.B.C. 9.16.4.3.
-2200psi (15MPa) AFTER 28 DAYS - O.B.C. 9.16.4.5.
-DAMP-PROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROIL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMP-PROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3600psi(25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-RTO (RS1 1.76) INSULATION UNDER ENTIRE SLAB WHERE THE ENTIRE SLAB IS WITHIN 23-1/2" (600mm) OF GRADE. (OBC SB-12.3.1.1.7 (6))
-4" (100mm) OF COURSE GRANULAR MATERIAL
-PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FIG.
-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO O.B.C. 9.13.3.
-FLOOR DRAIN PER O.B.C.9.31.4.4.
-UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFORM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9)

GARAGE SLAB / EXTERIOR SLAB:

-4" (100mm) CONCRETE SLAB
-4500psi (32MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS FOR UNREINFORCED CONC. & W/ 5.8% AIR ENTRAINMENT. O.B.C. 9.3.1.6.
-6" X 6" (152.5 X 152.5) WIRE MESH LOCATED NEAR MID-DEPTH OF SLAB
-4" (100mm) OF COURSE GRANULAR MATERIAL
-ANY FILL PLACED UNDER SLAB - OTHER THAN COURSE CLEAN GRANULAR MATERIAL SHALL BE COMPACTED.

PLASTER:

O.B.C. 9.15.5.3.
-CONCRETE NIB - 4" X 12" (100mm X 300mm)
-BLOCK NIB - 4" X 12" (100mm X 300mm) BONDED & TIED TO WALL AS PER O.B.C. 9.20.11.2. TOP 7.7/8" (200mm) SOLID.
OR
BEAM POCKET

-4" (100mm) INTO FDN. WALL W/ WIDTH TO MATCH BEAM SIZE.
-1/2" (13mm) SPACE AROUND WOOD BEAMS (O.B.C. 9.23.2.2.)
STRUCTURAL COLUMNS

-SIZES BASED ON COLUMN SUPPORTING BEAMS CARRYING LOADS FROM NOT MORE THAN 2 WOOD FRAME FLOORS. WHERE THE LENGTHS OF JOISTS CARRIED BY SUCH BEAMS DO NOT EXCEED 16'-1" (4.9m) AND THE LIVE LOAD ON ANY FLOOR DOES NOT EXCEED 50psf (2.4kPa).

STEEL PIPE COLUMN:

O.B.C. 9.15.3.4. & 9.17.3.
-FIXED COLUMN
-MIN. 3.1/2" (90mm) DIA. W/ 3/16" (4.76mm) WALL THICKNESS
-FOR STEEL BEAMS, CLIPS @ TOP & MIN. 6" X 4" X 1/4" (152mm X 100mm X 6.35mm) STEEL BTM. PLATE
-FOR WOOD BEAMS, MIN. 4"x4"x1/4" (100mm X 100mm X 6.35mm) STEEL TOP & BTM. PLATES, OR TOP PLATE TO EXTEND MIN. WIDTH OF BEAM
-ADJUSTABLE COLUMNS TO CONFORM TO CAN/CSG8-7.2-M WHERE IMPOSED LOAD DOES NOT EXCEED 36 KN (O.B.C. 9.17.3.4)
COL. SPACING:
FIG. SIZE:
-MAX. 9'-10" (2997mm)
-MAX. 16'-0" (4880mm)
- (1120mm X 120mm X 530mm)
3 STOREY
-40" X 40" X 19"
- (1010mm X 1010mm X 480mm)
-51" X 51" X 24"
- (1295mm X 1295mm X 610mm)
-WHERE COL. SITS ON FDN. WALL, USE 4" X 8" X 5/8" (100mm X 200mm X 16mm) STEEL PLATE WITH 2-5/8" (16mm) ANCHOR BOLTS

WOOD COLUMN:

OBC 9.17.4.1. , 9.17.4.2. & 9.17.4.3.
-5 1/2" x 5 1/2" (140mm x 140mm) SOLID WOOD COLUMN - OR
-3-2"x6" (89mm x 140mm) BUILT UP COLUMN NAILED TOGETHER W/ 3/8" (9.5mm) NAILS SPACED NOT MORE THAN 12" (300mm) APART OR BOLTED TOGETHER W/ 3/8" (9.5mm) DIA BOLTS SPACED AT 18" (450mm) O.C.
-WRAP COLUMN BASE W/ 6 MIL POLY
-COLUMN TO SIT DIRECTLY ON CONC PAD (NOT ON CONC SLAB)
-2S"x2S"x12" (640mm x 640mm x 300mm) CONC PAD (1 FLOOR SUPPORTED W/ 9'-10" COL SPACING)
-34"x34"x14" (860mm x 860mm x 360mm) CONC PAD (2 FLOORS SUPPORTED W/ 9'-10" COL SPACING)

BLOCK PARTY WALL BEAM END BEARING: (WOOD BEAM / GIRDER TRUSSES)

-2"x8"x12" LEDGER BOARD FASTENED W/ 2/ 1/2" ANCHOR BOLTS @ 4" O.C.
-WHERE WOOD BEAMS BEAR ON FIREWALLS USE GENERAL NOTE 11
-WHERE REQUIRED TO OBTAIN 5" SEPARATION DISTANCE BETWEEN ADJACENT BEAMS

BLOCK PARTY WALL BEAM END BEARING: (STEEL BEAM)

-12"x11"x 5/8" STL. PLATE ON TOP OF SOLID CONCRETE BLOCK WITH 2 - 1/2"x8" ANCHOR BOLTS.

WALL ASSEMBLIES:

FOUNDATION WALL:

O.B.C. 9.15.4.2.
-FOR WALLS NOT EXCEEDING 8'-2" (2500mm) IN Laterally SUPPORTED HEIGHT.
-8" (200mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 3'-11" (1200mm) & MAX. SUPPORTED HEIGHT OF 7'-0" (2150mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-FOR WALLS NOT EXCEEDING 9'-0" (2750mm) IN Laterally SUPPORTED HEIGHT:
-10" (250mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 4'-7" (1400mm) & MAX. SUPPORTED HEIGHT OF 8'-5" (2600mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-LATERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JOISTS.
-FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN CONFORMANCE TO O.B.C. 1.3.1.5.4.2.A. SHALL BE USED OR IT SHALL BE DESIGNED UNDER O.B.C. - PART 4
-WALL SHALL EXTEND A MIN. 5.7/8" (150mm) ABOVE GRADE
-INSULATE W/ R20 (RS1 3.52) CONTINUOUS INSULATION FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT (ZONE 1 OBC SB-12.3.1.1.2.A.)
-ALTERNATE INSULATION METHOD: 2" (51mm) R10 (RS1 1.24) RIGID INSULATION 2"x4" (38mm X 99mm) WOOD STUD W/ R12 (RS1 2.11) BATT INSULATION
-BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL
REDUCTION OF THICKNESS:
O.B.C. 9.15.4.7.
-WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2" (90mm) THICK.
-IE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7.7/8" (200mm) VERTICALLY O.C. & 2'-1" (500mm) HORIZONTALLY.
-FILL SPACE BETWEEN WALL AND FACING SOLID W/ MORTAR
-WHERE WALL IS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK
DAMP-PROOFING & WATERPROOFING:
O.B.C. 9.15.4.7.
-DAMP-PROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C. 9.13.2.
-WHERE INSULATION EXTENDS TO MORE THAN 2'-11" (600mm) BELOW GRADE, A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 9.14.2.1.12) (3) (14)
-FINISHED BASEMENTS SHALL HAVE INTERIOR DAMPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3.(3)
-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS PER O.B.C. 9.13.3.
-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMPROOFING.

FOUNDATION WALLS @ UNSUPPORTED OPENINGS:

-2-20M BARS IN TOP PORTION OF WALL (UP TO 8'-0" OPENING)
-3-20M BARS IN TOP PORTION OF WALL (8'-0" TO 10'-0" OPENING)
-4-20M BARS IN TOP PORTION OF WALL (10'-0" TO 15'-0" OPENING)
-BARS STACKED VERTICALLY AT INTERIOR FACE APPROX 4" TO 6" APART.
-BARS TO HAVE MIN. 2" (50mm) CONCRETE COVER
-BARS TO EXTEND 2'-0" (600mm) BEYOND BOTH SIDES OF OPENING.
O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS. MIN. 7.7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.1)
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6.
-MIN. 2" X 4" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RS1 3.87) INSULATION (ZONE 1, OBC SB-12.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. 1.9.23.10.1. =
FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE 'X' GYPSUM BOARD.
REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE 'X' GYPSUM BOARD.

FRAME WALL CONSTRUCTION:

O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS. MIN. 7.7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.1)
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6.
-MIN. 2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RS1 3.87) INSULATION (ZONE 1, OBC SB-12.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. 1.9.23.10.1. =
FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE 'X' GYPSUM BOARD.

REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE 'X' GYPSUM BOARD.

REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE 'X' GYPSUM BOARD.

REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE 'X' GYPSUM BOARD.

ALTERNATE FRAME WALL CONSTRUCTION:

O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS. MIN. 7.7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.1)
-1 1/2" (38mm) R8 (RS1 1.41) RIGID INSULATION W/ TAPED JOINTS (O.B.C. 9.27.3.4.)
-BRACE W/ CONT. 1.6 GAUGE STEEL T' BRACES FROM TOP PLATE TO BTM. PLATE FOR THE FULL LENGTH OF WALL OR CONT. 2" X 4" (38mm X 89mm) SOLID WOOD BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL.
-2" X 4" (38mm X 89mm) WOOD STUDS @ 16" (400mm) O.C. @ 12" (300mm) O.C. ON BOTTOM FLR. WHEN 3 STOREYS.
-R14 (RS1 2.46) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD.
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. 1.9.23.10.1. =
FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mm X 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6. BETWEEN RIGID INSULATION AND WOOD STUD.
-REPLACE R14 (RS1 2.46) INSULATION WITH R14 (RS1 2.46) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6. BETWEEN RIGID INSULATION AND WOOD STUD.
-REPLACE R14 (RS1 2.46) INSULATION WITH R14 (RS1 2.46) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):

-REFER TO REQUIREMENTS FOR LESS THAN 4'-0" LIMITING DISTANCE AND ADD/REPLACE THE FOLLOWING:
-NON-COMBUSTIBLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURER'S SPECIFICATIONS).
OR
-VINYL SIDING IS PERMITTED PER O.B.C. 9.10.15.5.(3). OVER SHEATHING PAPER OVER 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING ON EXTERIOR SIDE OF RIGID INSULATION

FRAME WALL CONSTRUCTION @ GARAGE:

O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS. MIN. 7.7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.1)
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6.
-2" X 4" (38mm X 89mm) WOOD STUDS @ 16" (400mm) O.C.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. 1.9.23.10.1. =
FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mm X 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

BRICK VENEER CONSTRUCTION:

O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15.3/4" (400mm) O.C. HORIZONTAL & 23.5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm) O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5.7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6.
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RS1 3.87) INSULATION (ZONE 1, OBC SB-12.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. 1.9.23.10.1. =
FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

ALTERNATE BRICK VENEER CONSTRUCTION:

O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15.3/4" (400mm) O.C. HORIZONTAL & 23.5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm) O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5.7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6.
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RS1 3.87) INSULATION (ZONE 1, OBC SB-12.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. 1.9.23.10.1. =
FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

ALTERNATE BRICK VENEER CONSTRUCTION:

O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15.3/4" (400mm) O.C. HORIZONTAL & 23.5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm) O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5.7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6.
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RS1 3.87) INSULATION (ZONE 1, OBC SB-12.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. 1.9.23.10.1. =
FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.1.6. BETWEEN RIGID INSULATION AND WOOD STUD.
-REPLACE R14 (RS1 2.46) INSULATION WITH R14 (RS1 2.46) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)

24 **EXPPOSED FLOOR:**
- FLOOR AS PER NOTE # 28
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
- R31 (RSI 5.46) INSULATION
- VENTED ALUMINUM SOFFIT

24a **SUNKEN FINISHED AREA:**
- USE SOLID BUILT-UP WOOD BEARING POST TO SUPPORT SUNKEN AREA
- AT FOUNDATION WALLS, EXTEND FOOTINGS TO SUPPORT POSTS.
- WHERE GRADING CONDITIONS WILL ALLOW, CHECK FOUNDATION WALLS INSTEAD OF USING BEARING POSTS.
- FLOOR STRUCTURE AS PER NOTE # 28.

25 **DOUBLE MASONRY WYTHE WALL:**
O.B.C. 9.20.8.2
- 3-1/2" MASONRY VENEER ON 2" MORTAR JOINT ON 3-1/2" MASONRY VENEER
- WYTHES TO BE TIED W/ METAL TIES INSTALLED AS PER O.B.C. 9.20.9.4.
- SILL PLATE REQUIRED FOR ROOF AND CEILING FRAMING MEMBERS
- 6" SILL W/ 2" BEARING ON EACH SIDE & ANCHOR BOLTS @ 4'-0" O.C.
NOTE: MASONRY TO BE SOLID & MORTAR JOINT FILLED SOLID FOR FLOOR JOISTS BEARING ON WYTHES. FLOOR JOISTS ARE NOT TO PROJECT INTO CAVITY AREA.

25a **CORREL MASONRY VENEER:**
- MASONRY VENEER TO BE CORBELLED AS PER O.B.C. 9.20.12.3.(1)

26 **FLOOR ASSEMBLIES:**
O.B.C. 9.23.7
- 2" X 4" (38mm X 89mm) PLATE
- 1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C. FASTENED TO PLATE W/ NUTS AND WASHERS & SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) INTO FOUNDATION WALL.
- SILL PLATE TO BE CAULKED, OR PLACED ON A LAYER NOT LESS THAN 1" (25mm) THICK BEFORE COMPRESSION, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR.

27 **BRIDGING & STRAPPING:**
O.B.C. 9.23.9.4.
a) STRAPPING
- 1" X 3" (19mm X 44mm) NAILED TO U/S OF JOISTS @ MAX. 6'-11" (2100mm) O.C.
- FASTENED TO SILL OR HEADER @ ENDS
b) BRIDGING
- 1" X 3" (19mm X 44mm) OR 2" X 2" (38mm X 38mm) CROSS BRIDGING @ MAX. 6'-11" (2100mm) O.C.
c) BRIDGING & STRAPPING
- a) & b) USED TOGETHER OR
- 1 1/2" (38mm) SOLID BLOCKING @ MAX. 6'-11" (2100mm) O.C. USED WITH STRAPPING (a)

28 **FLOOR ASSEMBLY:**
O.B.C. 9.23.14.3, 9.23.14.4
- 5/8" (15.9mm) WATERBOARD (IR-1 GRADE) OR EQUIVALENT
- FLOOR JOISTS AS PER FLOOR PLANS

29 **PORCH SLAB:**
O.B.C. 9.39.1.4.
- 4-7/8" (125mm) 4650 psi (32 MPa) CONC. SLAB WITH 5 TO 8% AIR ENTRAINMENT
- REINFORCE WITH 10# BARS @ 7/8" (200mm) EACH WAY
- 1-1/4" (30mm) CLEAR COVER FROM THE BOTTOM OF THE SLAB
- 3-7/8mm) END BEARING ON FOUNDATION WALL
- 23 5/8" (600mm) X 23 5/8" (600mm) 10# DOWELS @ 23 5/8" (600mm) O.C.
- IF A COLD CELLAR IS LOCATED BELOW THE SLAB, SUPPORT ON FOUNDATION WALLS NOT TO EXCEED 8'-2"

30 **EXTERIOR BALCONY ASSEMBLY:**
- 1-1/4" X 3-1/2" PRESSURE TREATED DECKING W/ 1/4" SPACING
- 2"x4" WOOD PURLINS (CUT DIAGONALLY) @ 12" O.C. LAYING UNFASTENED ON SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT ON 5/8" (15.9mm) EXTERIOR GRADE PLYWOOD SHEATHING ON 2"x4" WOOD PURLINS (CUT DIAGONALLY) @ 12" O.C. DIRECTLY ON 2"x8" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN)
- EXTERIOR GUARD AS PER #36a
- SLOPE ASSEMBLY MINIMUM 2% TO ROOF SCUPPER
- REQUIRED FOR OVER HEATED SPACES:
- ADD 2"x2" (38mm X 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF CEILING AREA)
- ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS
- ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

30a **EXTERIOR FLAT ROOF ASSEMBLY:**
- SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT
- INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 1/4" EXTERIOR GRADE WOOD PANEL TYPE UNDERLAY TAPERED PURLINS
- SLOPED MIN. 2% TO ROOF SCUPPER.
- 3/8" EXTERIOR GRADE PLYWOOD SHEATHING ON
- 2"x8" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN)
- REQUIRED FOR OVER HEATED SPACES:
- ADD 2"x2" (38mm X 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF CEILING AREA)
- ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS
- ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

31 **TYPICAL ROOF:**
O.B.C. 9.26.
- NO. 210 (30.5KG/m²) ASPHALT SHINGLES
- FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
- EAVES PROTECTION LAID BENEATH STARTER STRIP.
- EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
- STARTER STRIP AS PER O.B.C. 9.26.7.2.
- 3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS
- APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
- TRUSS BRACING AS PER TRUSS MANUFACTURER
- EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
- ATIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.

32 **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32a **VAULTED OR CATHEDRAL CEILING:**
O.B.C. 9.26. & TABLE A4
- NO. 210 (30.5KG/m²) ASPHALT SHINGLES
- FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
- EAVES PROTECTION LAID BENEATH STARTER STRIP.
- EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES OR WHERE ROOF SLOPES ARE 8:12 OR GREATER PER O.B.C. 9.26.5.1.
- STARTER STRIP AS PER O.B.C. 9.26.7.2.
- 3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS.
- 3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS.

32b **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32c **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32d **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32e **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32f **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32g **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32h **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32i **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32j **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32k **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

24 **EXPPOSED FLOOR:**
- FLOOR AS PER NOTE # 28
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
- R31 (RSI 5.46) INSULATION
- VENTED ALUMINUM SOFFIT

24a **SUNKEN FINISHED AREA:**
- USE SOLID BUILT-UP WOOD BEARING POST TO SUPPORT SUNKEN AREA
- AT FOUNDATION WALLS, EXTEND FOOTINGS TO SUPPORT POSTS.
- WHERE GRADING CONDITIONS WILL ALLOW, CHECK FOUNDATION WALLS INSTEAD OF USING BEARING POSTS.
- FLOOR STRUCTURE AS PER NOTE # 28.

25 **DOUBLE MASONRY WYTHE WALL:**
O.B.C. 9.20.8.2
- 3-1/2" MASONRY VENEER ON 2" MORTAR JOINT ON 3-1/2" MASONRY VENEER
- WYTHES TO BE TIED W/ METAL TIES INSTALLED AS PER O.B.C. 9.20.9.4.
- SILL PLATE REQUIRED FOR ROOF AND CEILING FRAMING MEMBERS
- 6" SILL W/ 2" BEARING ON EACH SIDE & ANCHOR BOLTS @ 4'-0" O.C.
NOTE: MASONRY TO BE SOLID & MORTAR JOINT FILLED SOLID FOR FLOOR JOISTS BEARING ON WYTHES. FLOOR JOISTS ARE NOT TO PROJECT INTO CAVITY AREA.

25a **CORREL MASONRY VENEER:**
- MASONRY VENEER TO BE CORBELLED AS PER O.B.C. 9.20.12.3.(1)

26 **FLOOR ASSEMBLIES:**
O.B.C. 9.23.7
- 2" X 4" (38mm X 89mm) PLATE
- 1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C. FASTENED TO PLATE W/ NUTS AND WASHERS & SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) INTO FOUNDATION WALL.
- SILL PLATE TO BE CAULKED, OR PLACED ON A LAYER NOT LESS THAN 1" (25mm) THICK BEFORE COMPRESSION, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR.

27 **BRIDGING & STRAPPING:**
O.B.C. 9.23.9.4.
a) STRAPPING
- 1" X 3" (19mm X 44mm) NAILED TO U/S OF JOISTS @ MAX. 6'-11" (2100mm) O.C.
- FASTENED TO SILL OR HEADER @ ENDS
b) BRIDGING
- 1" X 3" (19mm X 44mm) OR 2" X 2" (38mm X 38mm) CROSS BRIDGING @ MAX. 6'-11" (2100mm) O.C.
c) BRIDGING & STRAPPING
- a) & b) USED TOGETHER OR
- 1 1/2" (38mm) SOLID BLOCKING @ MAX. 6'-11" (2100mm) O.C. USED WITH STRAPPING (a)

28 **FLOOR ASSEMBLY:**
O.B.C. 9.23.14.3, 9.23.14.4
- 5/8" (15.9mm) WATERBOARD (IR-1 GRADE) OR EQUIVALENT
- FLOOR JOISTS AS PER FLOOR PLANS

29 **PORCH SLAB:**
O.B.C. 9.39.1.4.
- 4-7/8" (125mm) 4650 psi (32 MPa) CONC. SLAB WITH 5 TO 8% AIR ENTRAINMENT
- REINFORCE WITH 10# BARS @ 7/8" (200mm) EACH WAY
- 1-1/4" (30mm) CLEAR COVER FROM THE BOTTOM OF THE SLAB
- 3-7/8mm) END BEARING ON FOUNDATION WALL
- 23 5/8" (600mm) X 23 5/8" (600mm) 10# DOWELS @ 23 5/8" (600mm) O.C.
- IF A COLD CELLAR IS LOCATED BELOW THE SLAB, SUPPORT ON FOUNDATION WALLS NOT TO EXCEED 8'-2"

30 **EXTERIOR BALCONY ASSEMBLY:**
- 1-1/4" X 3-1/2" PRESSURE TREATED DECKING W/ 1/4" SPACING
- 2"x4" WOOD PURLINS (CUT DIAGONALLY) @ 12" O.C. LAYING UNFASTENED ON SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT ON 5/8" (15.9mm) EXTERIOR GRADE PLYWOOD SHEATHING ON 2"x4" WOOD PURLINS (CUT DIAGONALLY) @ 12" O.C. DIRECTLY ON 2"x8" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN)
- EXTERIOR GUARD AS PER #36a
- SLOPE ASSEMBLY MINIMUM 2% TO ROOF SCUPPER
- REQUIRED FOR OVER HEATED SPACES:
- ADD 2"x2" (38mm X 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF CEILING AREA)
- ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS
- ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

30a **EXTERIOR FLAT ROOF ASSEMBLY:**
- SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT
- INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 1/4" EXTERIOR GRADE WOOD PANEL TYPE UNDERLAY TAPERED PURLINS
- SLOPED MIN. 2% TO ROOF SCUPPER.
- 3/8" EXTERIOR GRADE PLYWOOD SHEATHING ON
- 2"x8" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN)
- REQUIRED FOR OVER HEATED SPACES:
- ADD 2"x2" (38mm X 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF CEILING AREA)
- ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS
- ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

31 **TYPICAL ROOF:**
O.B.C. 9.26.
- NO. 210 (30.5KG/m²) ASPHALT SHINGLES
- FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
- EAVES PROTECTION LAID BENEATH STARTER STRIP.
- EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
- STARTER STRIP AS PER O.B.C. 9.26.7.2.
- 3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS
- APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
- TRUSS BRACING AS PER TRUSS MANUFACTURER
- EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
- ATIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.

32 **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32a **VAULTED OR CATHEDRAL CEILING:**
O.B.C. 9.26. & TABLE A4
- NO. 210 (30.5KG/m²) ASPHALT SHINGLES
- FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
- EAVES PROTECTION LAID BENEATH STARTER STRIP.
- EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES OR WHERE ROOF SLOPES ARE 8:12 OR GREATER PER O.B.C. 9.26.5.1.
- STARTER STRIP AS PER O.B.C. 9.26.7.2.
- 3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS.
- 3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS.

32b **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32c **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32d **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32e **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32f **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32g **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32h **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32i **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32j **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

32k **CEILING:**
- R60 (RSI 10.56) INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
- 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. 1.9.29.5.3.)

- 2"x8" (38mm X 184mm) @ 16" O.C. W/ 2"x2" (38mm X 38mm) CROSS PURLINS @ 24" O.C. MAX. SPAN 13'-3" (4050mm) OR
- 2"x10" (38mm X 233mm) @ 16" O.C. W/ 2"x2" (38mm X 38mm) CROSS PURLINS @ 24" O.C. MAX. SPAN 17'-0" (5180mm)
- R31 (RSI 5.46) INSULATION
- MIN. 3" CLEARANCE FROM U/S OF ROOF SHEATHING TO INSULATION
- CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH
O.B.C. 9.25.3. & 9.25.4.
- 1/2" (12.7mm) GYPSUM BOARD

33 **CONVENTIONAL FRAMING:**
O.B.C. TABLE A4 OR A7
- 2" X 6" (38mm X 140mm) RAFTERS @ 16" (400mm) O.C. MAX. SPAN 12'-9" (3890mm)
- 2"x4" (38mm X 89mm) COLLAR TIES AT MIDSPANS
- CEILING JOISTS TO BE 2" X 6" (38mm X 140mm) O.C.
- UNLESS OTHERWISE NOTED.
- HIP & VALLEY RAFTERS TO BE MIN. 2" (50mm) LARGER THAN COMMON RAFTERS & MIN. 1 1/2" (38mm) THICK.

34 **ATTIC ACCESS HATCH:**
OBC 9.19.2.1. & SB-12.3.1.1.8.(1)
- 19-3/4" X 27-1/2" (500mm X 700mm) ATTIC HATCH WITH WEATHERSTRIPPING & BACKED W/ R20 (RSI 3.52) INSULATION.

35 **PRIVATE STAIRS:**
O.B.C. 9.8.4.
- MAX. RISE = 7-7/8" (200mm)
- MIN. RUN = 8-1/4" (210mm)
- MIN. TREAD = 9-1/4" (235mm)
- MAX. NOSING = 1" (25mm)
- MIN. HEADROOM = 6'-5" (1950mm)
- MIN. WIDTH = 2'-10" (600mm)
- MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
- [EXIT STAIRS, BETWEEN GUARDS]

35a **PRIVATE STAIRS:**
O.B.C. 9.8.4.
- MAX. RISE = 7-7/8" (200mm)
- MIN. RUN = 8-1/4" (210mm)
- MIN. TREAD = 9-1/4" (235mm)
- MAX. NOSING = 1" (25mm)
- MIN. HEADROOM = 6'-5" (1950mm)
- MIN. WIDTH = 2'-10" (600mm)
- MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
- [EXIT STAIRS, BETWEEN GUARDS]

35b **PRIVATE STAIRS:**
O.B.C. 9.8.4.
- MAX. RISE = 7-7/8" (200mm)
- MIN. RUN = 8-1/4" (210mm)
- MIN. TREAD = 9-1/4" (235mm)
- MAX. NOSING = 1" (25mm)
- MIN. HEADROOM = 6'-5" (1950mm)
- MIN. WIDTH = 2'-10" (600mm)
- MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
- [EXIT STAIRS, BETWEEN GUARDS]

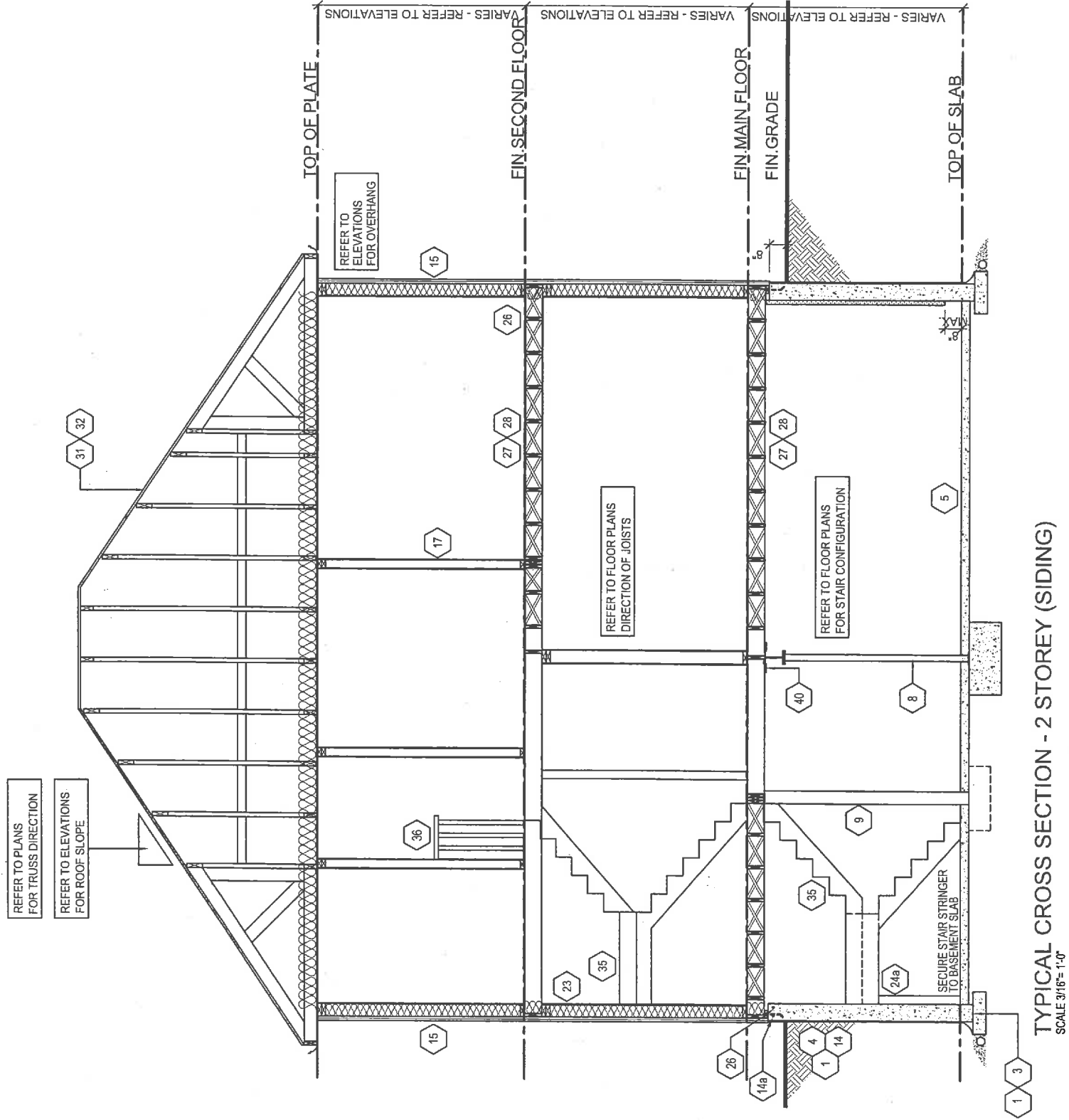
35c **PRIVATE STAIRS:**
O.B.C. 9.8.4.
- MAX. RISE = 7-7/8" (200mm)
- MIN. RUN = 8-1/4" (210mm)
- MIN. TREAD = 9-1/4" (235mm)
- MAX. NOSING = 1" (25mm)
- MIN. HEADROOM = 6'-5" (1950mm)
- MIN. WIDTH = 2'-10" (600mm)
- MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
- [EXIT STAIRS, BETWEEN GUARDS]

35d **PRIVATE STAIRS:**
O.B.C. 9.8.4.
- MAX. RISE = 7-7/8" (200mm)
- MIN. RUN = 8-1/4" (210mm)
- MIN. TREAD = 9-1/4" (235mm)
- MAX. NOSING = 1" (25mm)
- MIN. HEADROOM = 6'-5" (1950mm)
- MIN. WIDTH = 2'-10" (600mm)
- MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
- [EXIT STAIRS, BETWEEN GUARDS]

35e **PRIVATE STAIRS:**
O.B.C. 9.8.4.
- MAX. RISE = 7-7/8" (200mm)
- MIN. RUN = 8-1/4" (210mm)
- MIN. TREAD = 9-1/4" (235mm)
- MAX. NOSING = 1" (25mm)
- MIN. HEADROOM = 6'-5" (1950mm)
- MIN. WIDTH = 2'-10" (600mm)
- MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
- [EXIT STAIRS, BETWEEN GUARDS]

35f **PRIVATE STAIRS:**
O.B.C. 9.8.4.
- MAX. RISE = 7-7/8" (200mm)
- MIN. RUN = 8-1/4" (210mm)
- MIN. TREAD = 9-1/4" (235mm)
- MAX. NOSING = 1" (25mm)
- MIN. HEADROOM = 6'-5" (1950mm)
- MIN. WIDTH = 2'-10" (600mm)
- MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
- [EXIT STAIRS, BETWEEN GUARDS]

35g **PRIVATE STAIRS:**
O.B.C. 9.8.4.
- MAX. RISE = 7-7/8" (200mm)
- MIN. RUN



TYPICAL CROSS SECTION - 2 STOREY (SIDING)
SCALE 3/16"= 1'-0"

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