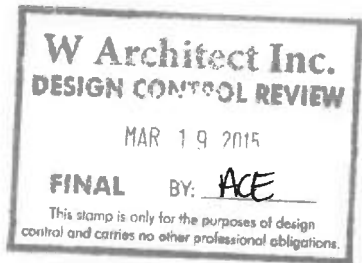


Drawing List:

- A0 TITLE SHEET
- A1 FOUNDATION PLAN ELEV. 'A' FOR STD & ALT. OPT. LOWER LEVEL SIDE UPGRADE (LOTS 63 & 137)
- A2 FOUNDATION PLAN ELEV. 'A' FOR OPT. LOWER LEVEL SIDE UPGRADE (LOTS 63 & 137)
- A3 LOWER LEVEL ELEV. 'A' SIDE UPGRADE (LOTS 63 & 137)
- A4 OPT. LOWER LEVEL ELEV. 'A' SIDE UPGRADE (LOTS 63 & 137)
- A5 ALT. OPT. LOWER LEVEL ELEV. 'A' SIDE UPGRADE (LOTS 63 & 137)
- A6 MAIN FLOOR ELEVATION 'A' SIDE UPGRADE (LOTS 63 & 137)
- A7 UPPER FLOOR ELEVATION 'A' SIDE UPGRADE (LOTS 63 & 137)
- A8 FRONT ELEVATION 'A' SIDE UPGRADE (LOTS 63 & 137)
- A9 SIDE ELEVATION 'A' SIDE UPGRADE (LOTS 63 & 137)
- A10 REAR ELEVATION 'A' SIDE UPGRADE (LOTS 63 & 137)
- A11 TYPICAL CROSS SECTION
- D1 CONSTRUCTION NOTES
- D2 CONSTRUCTION NOTES
- D3 CONSTRUCTION NOTES

Areas:

		SIDE UPGRADE (LOT 137)	
		SF	SM
STD/ALT. OPT. LOWER LEVEL	(0)	533.5	49.6
MAIN FLOOR	(0) (1)	921.1	85.6
MAIN FLOOR OTB	(0) (1)	(8.8)	(0.8)
UPPER FLOOR	(0) (1)	921.1	85.6
TOTAL AREA (0)		2366.9	219.9
OPT. LOWER LEVEL	(1)	367.3	34.1
TOTAL AREA (1)		2200.7	204.4
COVERAGE INC PORCH		948.4	88.1
COVERAGE NOT INC PORCH		921.1	85.6



BATHURST 9130

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SIGNATURE:

E. Schneider

client
Senator Homes

project
BATHURST 9130

location
Vaughan

marketing name

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	15-Jan-15	es	sh	5				
2	ISSUED FINAL	13-Mar-15	es	es	6				
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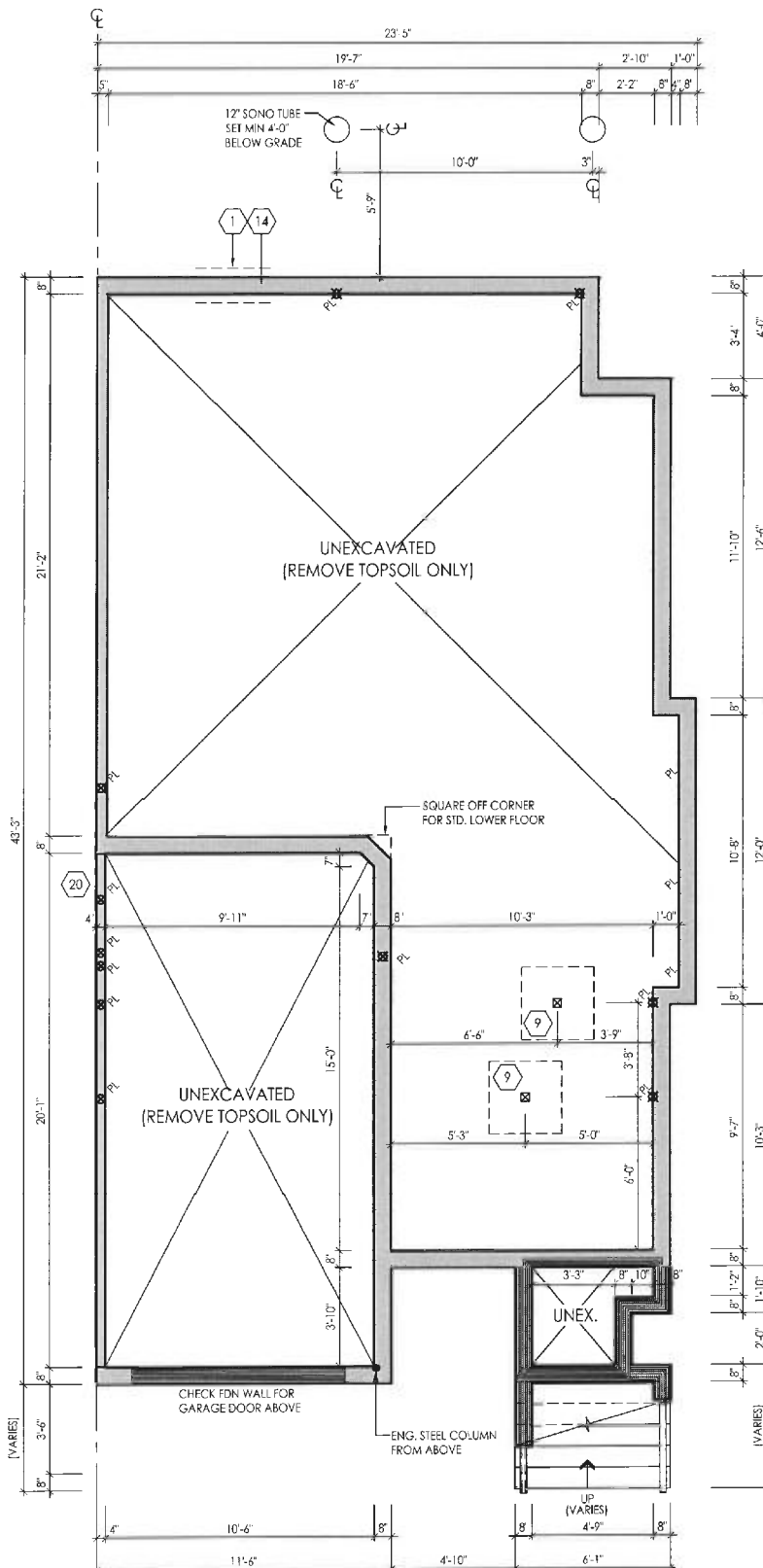
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TH-22-2-LOTS 63, 137

scale
3/16" = 1'0"

project #
12073

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A0



FOUNDATION PLAN ELEV. 'A'
FOR STD & ALT. OPT. LOWER LEVEL
SIDE UPGRADE (LOTS 63 & 137)

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FIRM BCIN: 26995
DATE: MAR-13-15

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E. Schneider

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project
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model
TH-22-2-LOTS 63, 137

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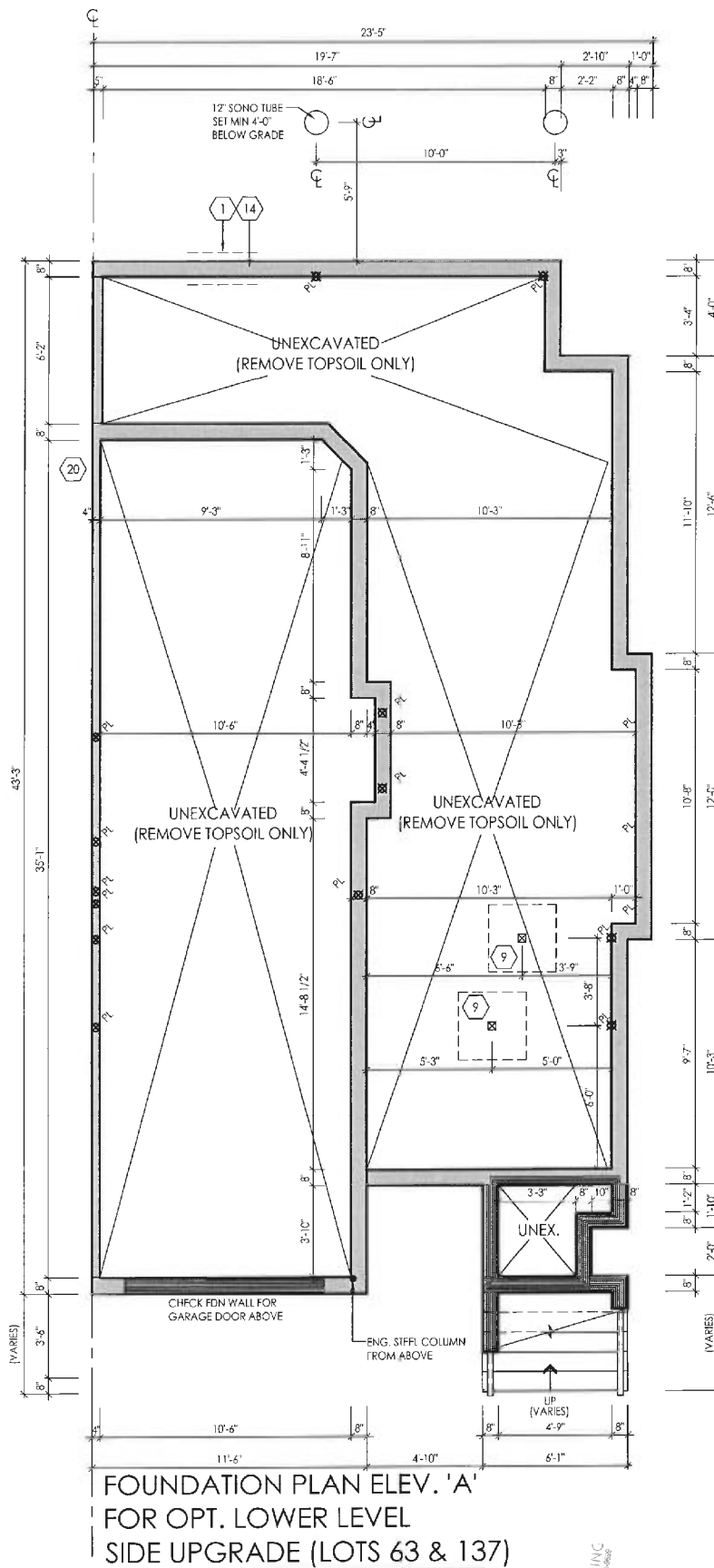
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A1

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FOUNDATION PLAN ELEV. 'A'
FOR OPT. LOWER LEVEL
SIDE UPGRADE (LOTS 63 & 137)

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FIRM BCIN: 26995
DATE: MAR-13-15

SIGNATURE:

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client
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location
Vaughan

project
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marketing name

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
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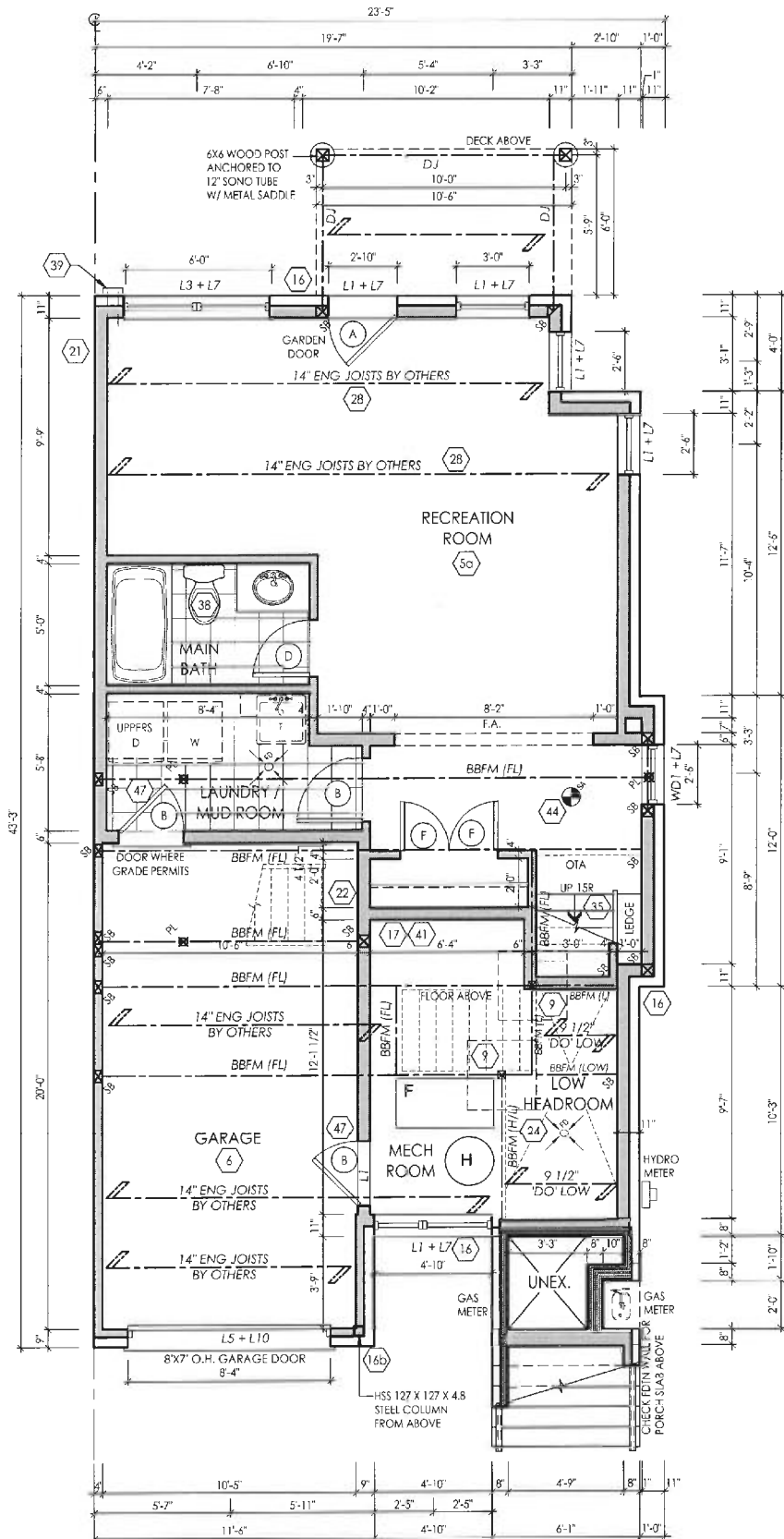
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A2



LOWER LEVEL ELEV. 'A'
SIDE UPGRADE (LOTS 63 & 137)

NOTE: REFER TO FLOOR DRAWINGS
FOR APPROVED FLOOR LAYOUT

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SIGNATURE:

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location
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project
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marketing name

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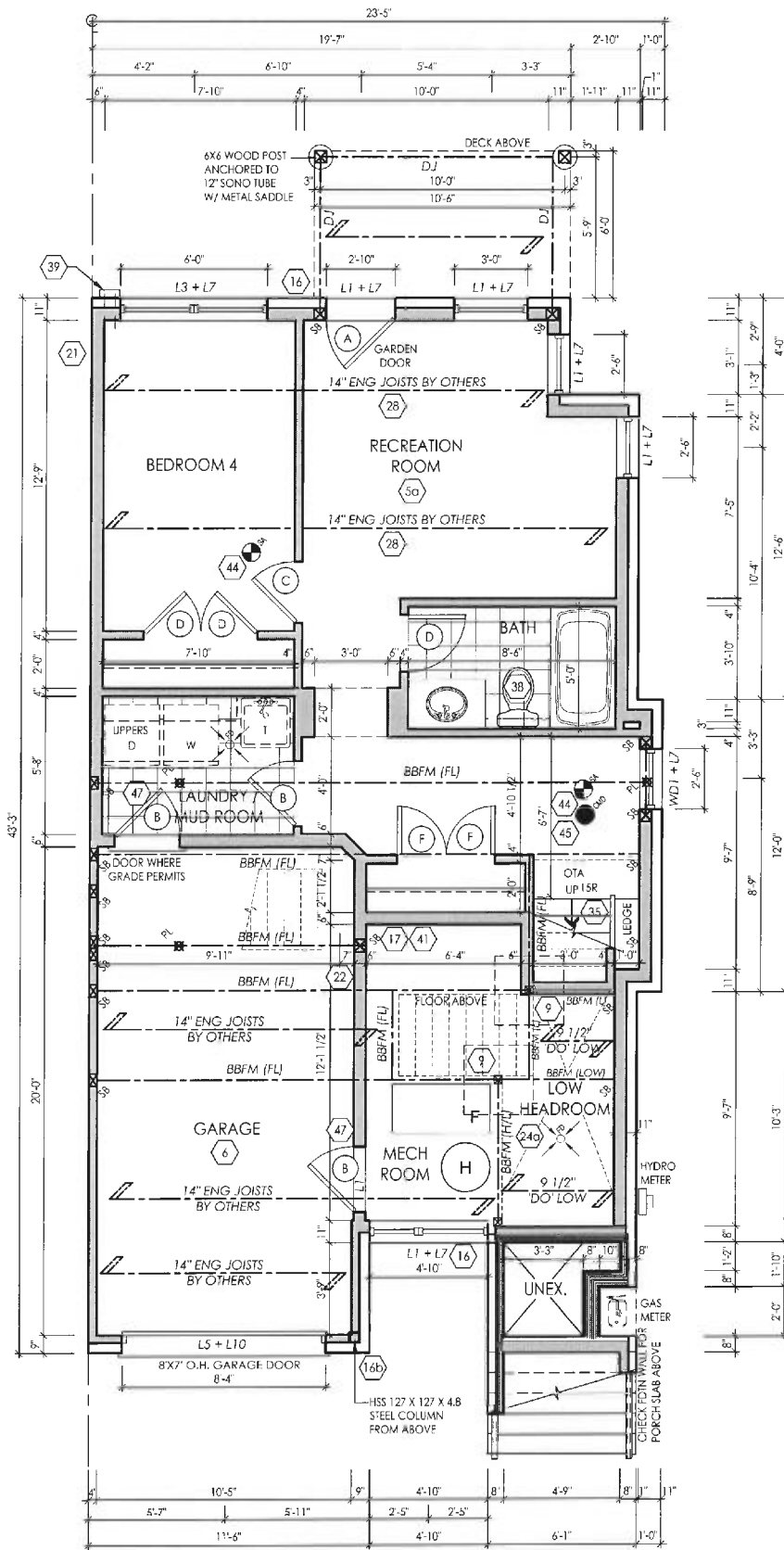
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scale
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12073

page

A3



ALT. OPT. LOWER LEVEL ELEV. 'A'
SIDE UPGRADE (LOTS 63 & 137)

NOTE: REFER TO FLOOR DRAWINGS
FOR APPROVED FLOOR LAYOUT

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FIRM BCIN: 24995
DATE: MAR-13-15

SIGNATURE:

client
Senator Homes

location
Vaughan

project
BATHURST 9130

marketing name

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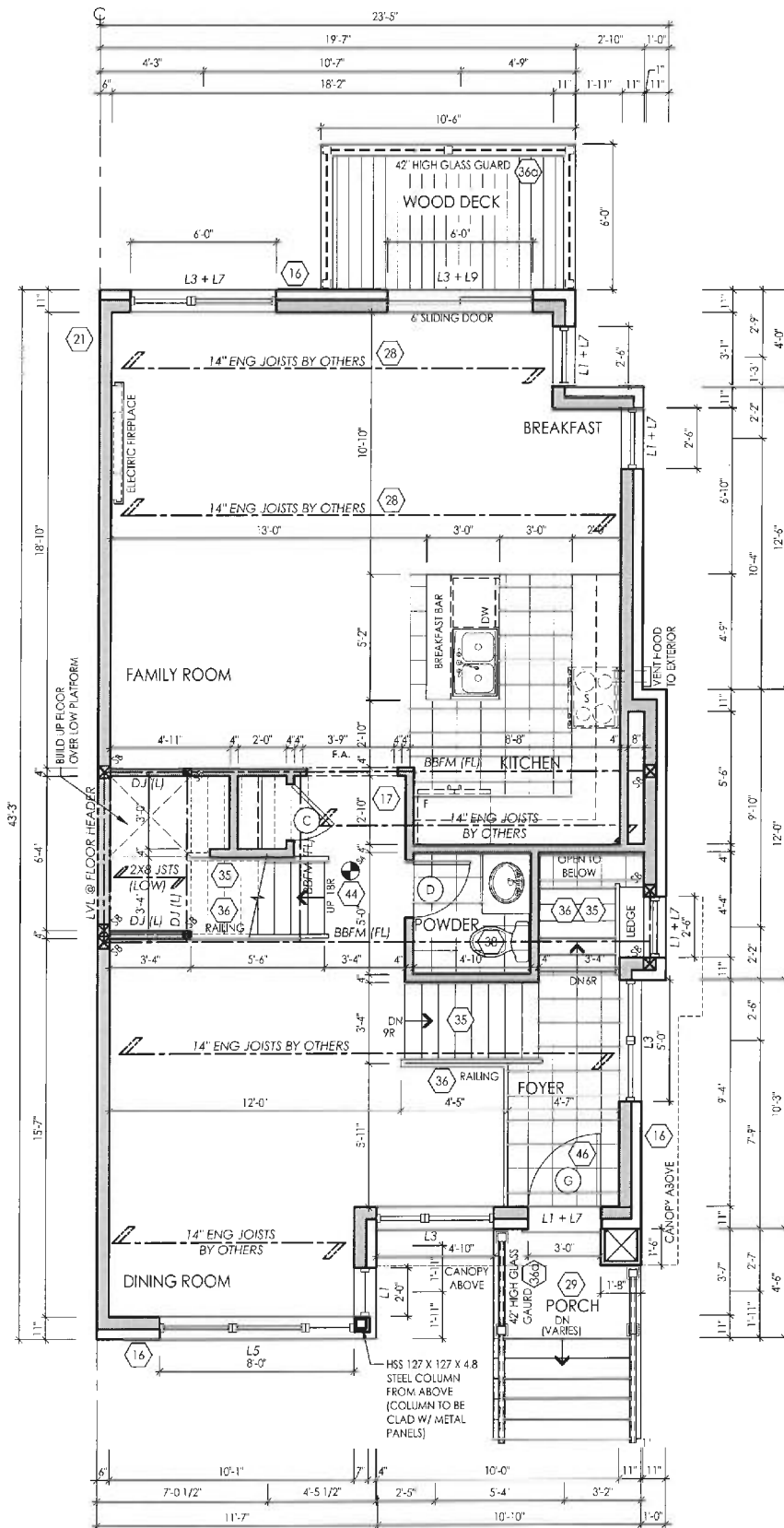
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scale
3/16" = 1'0"

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A5



MAIN FLOOR ELEVATION 'A'
SIDE UPGRADE (LOTS 63 & 137)

NOTE: ELECTRICAL, GAS AND VENT
LOCATIONS ARE SCHEMATIC ONLY.
TO BE COORDINATED WITH
ELECTRICAL AND MECHANICAL
DRAWINGS BY THE CONTRACTOR.

NOTE: REFER TO FLOOR DRAWINGS
FOR APPROVED FLOOR LAYOUT

NOTE: CONC. FRONT PORCH
POURED PRIOR TO BRICK

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OF RN DESIGN LTD. UNDER DIVISION C-PART 3 SUBSECTION 3.2.4
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FIRM BCIN: 26995
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location
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marketing name

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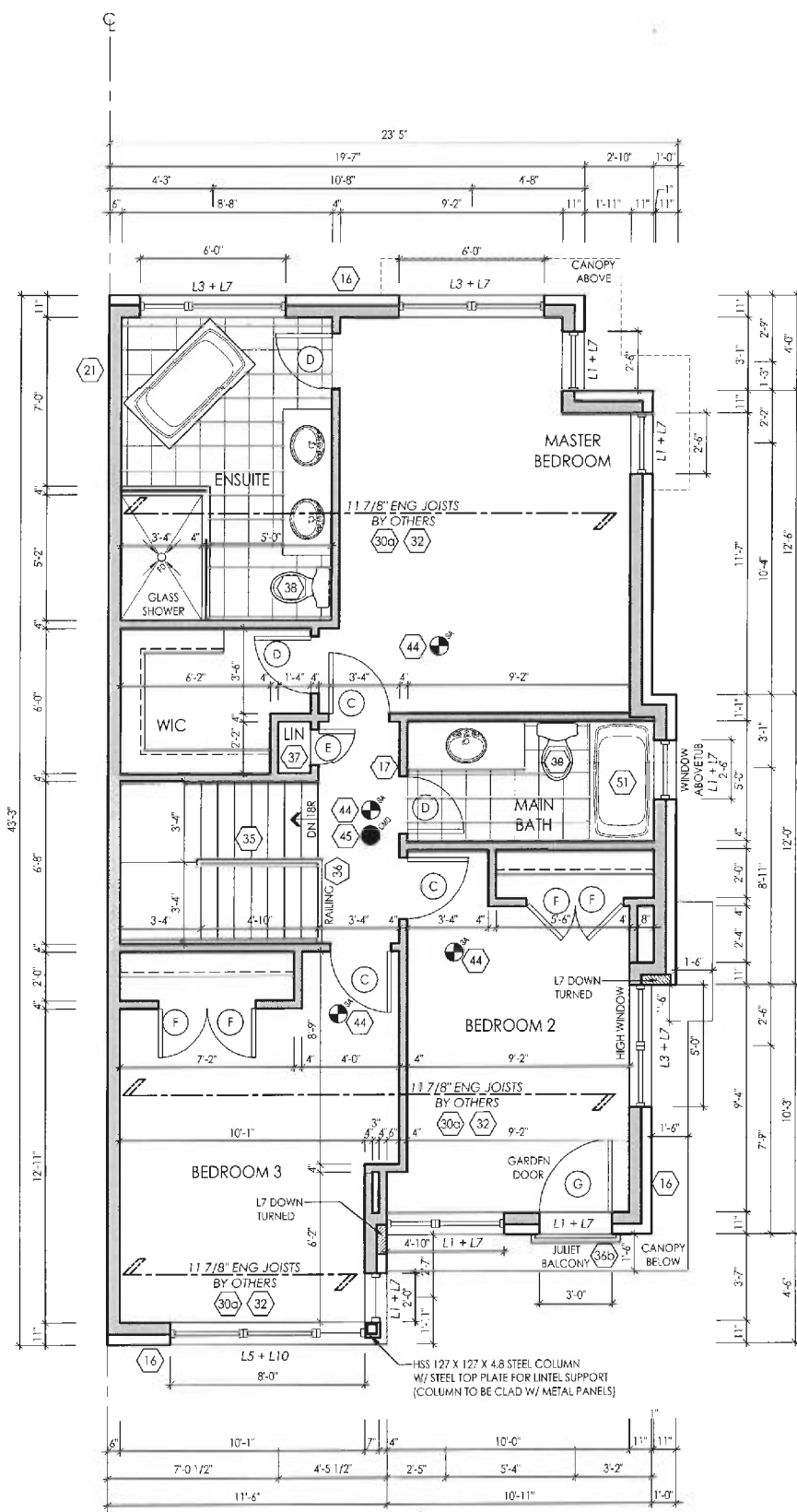
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A6



UPPER FLOOR ELEVATION 'A'
'SIDE UPGRADE (LOTS 63 & 137)

NOTE: REFER TO ROOF DRAWINGS
FOR APPROVED ROOF LAYOUT

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FIRM BCIN: 26995
DATE: MAR-13-15
SIGNATURE: *E. Schneider*

client					location						
Senator Homes					Vaughan						
project					marketing name						
BATHURST 9130											
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4						8					

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J. G. GALVAREZ
REGISTERED PROFESSIONAL ENGINEER
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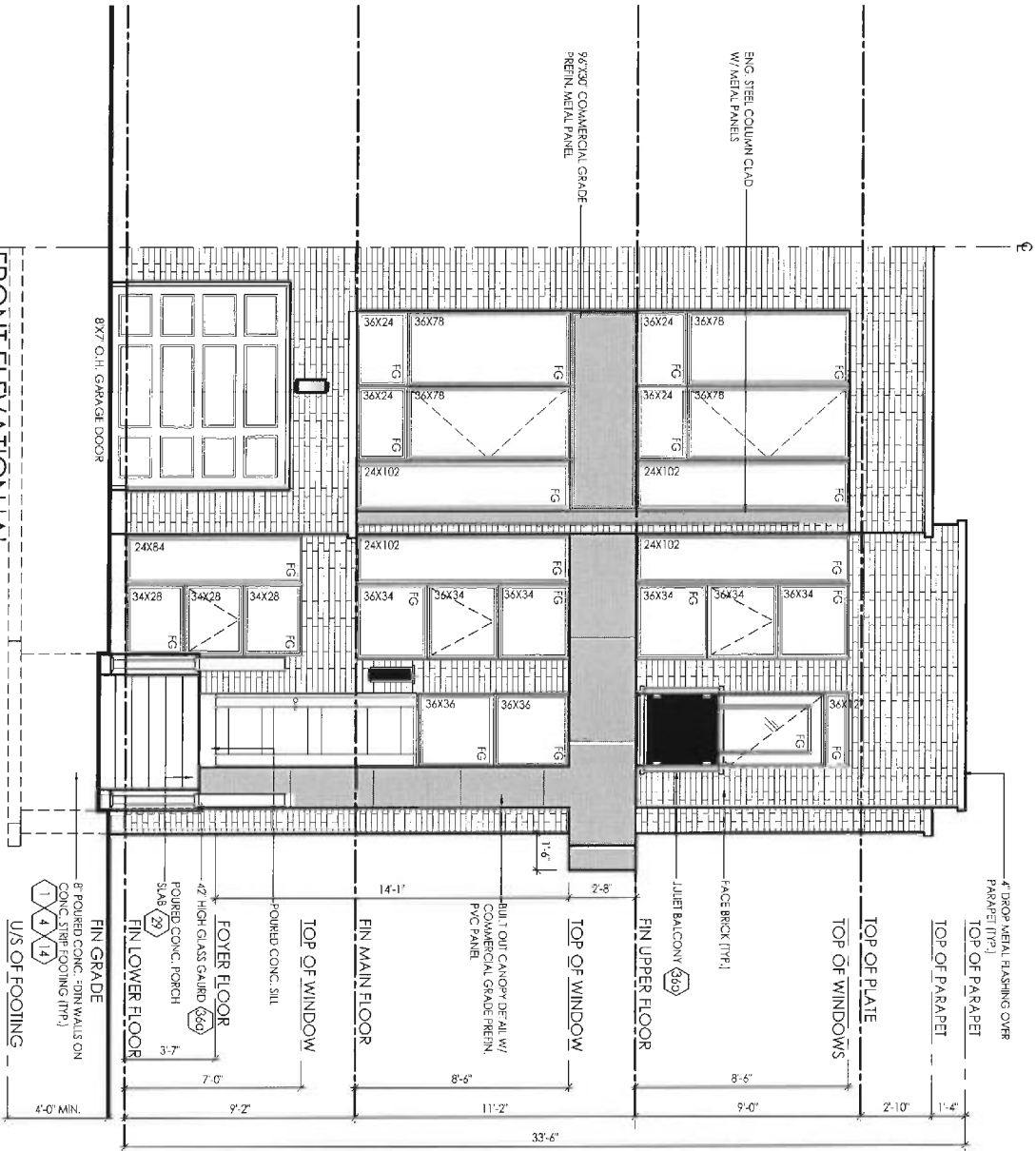
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A7

FRONT ELEVATION 'A'
SIDE UPGRADE (LOTS 63 & 137)



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10000 16th Avenue, Suite 100, Richmond, BC V6V 2G9
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FIRM BCIN: 26995
DATE: MAR-13-15

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Eric Schneider

client
Senator Homes

location
Vaughan

project
BATHURST 9130

marketing name

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A8

SIDE ELEVATION 'A'
SIDE UPGRADE (LOTS 63 & 137)



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client
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location
Vaughan

project
BATHURST 9130

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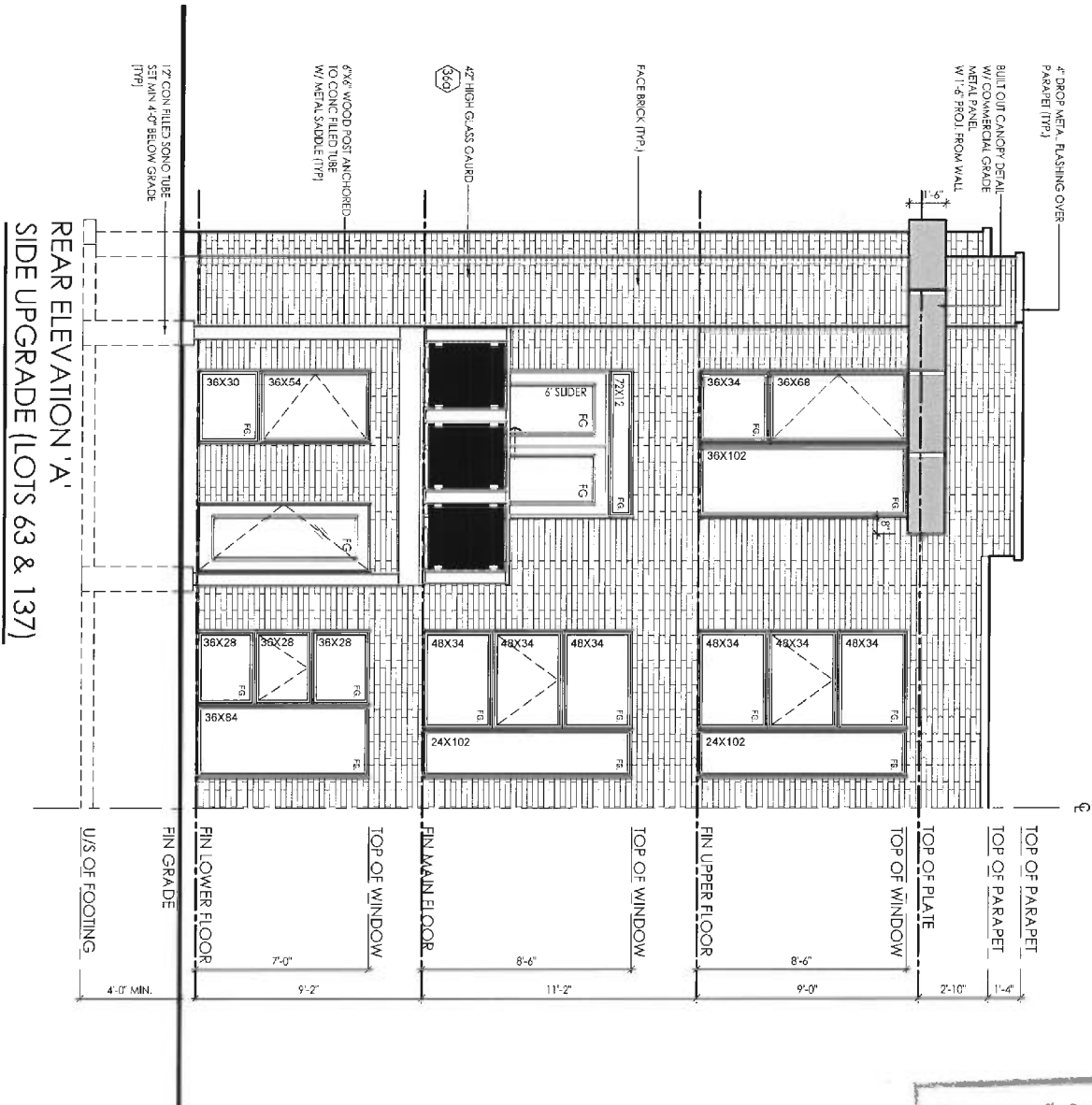
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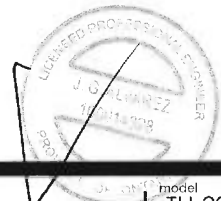
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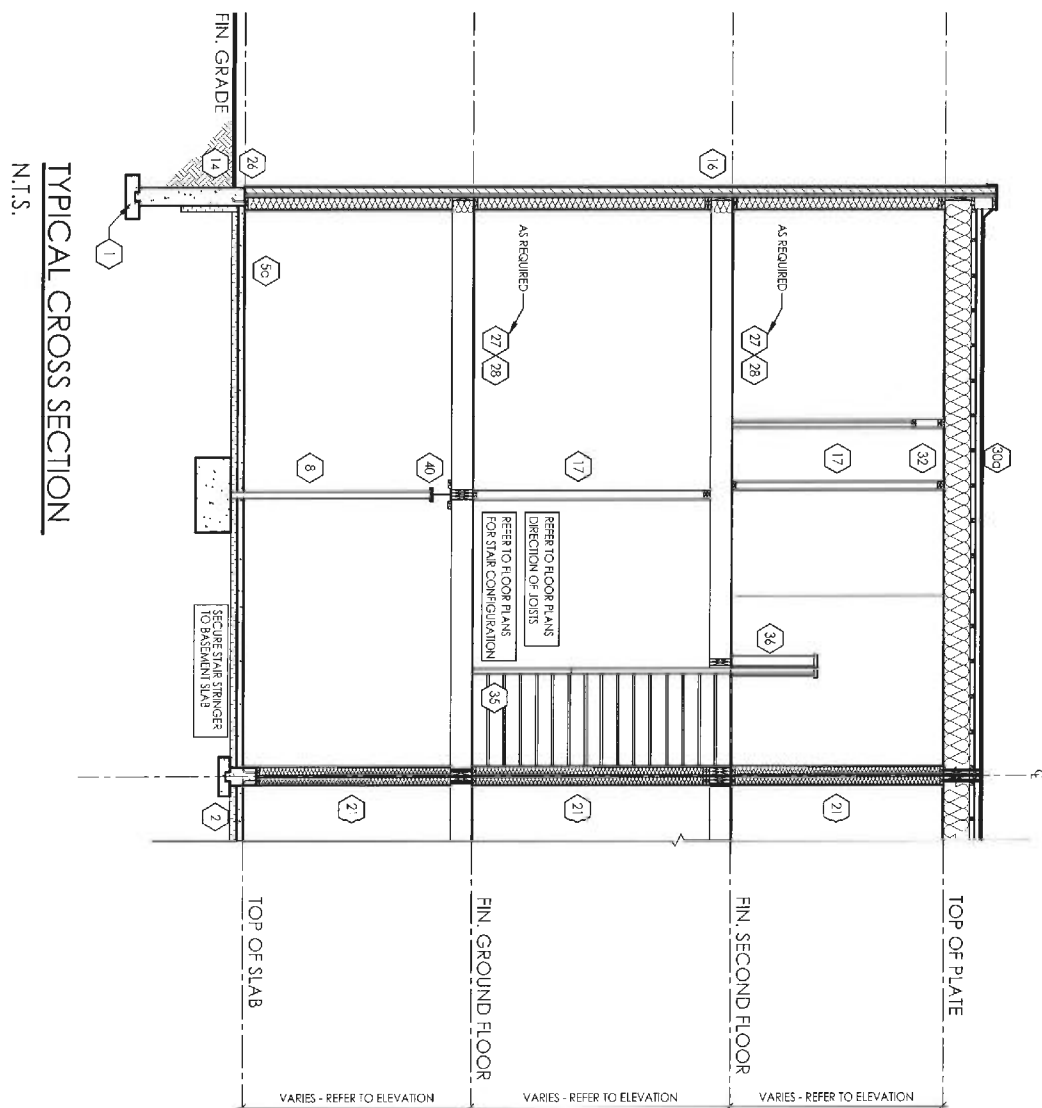
Eric Schneider

SIGNATURE:

client		Vaughan	
Senator Homes		location	
project		marketing name	
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project #
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A10



Proc. U.S. Natl. Acad. Sci. 2011;108(22):22272-22277. doi:10.1073/pnas.1111111111. 2011. 22272-22277.

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Senator Homes
project
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Vaughan
marketing name

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scale
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page

A11



CONSTRUCTION NOTES:

COMPLIANCE PACKAGE J - O.B.C. 2012 - 2014 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'-1"(4.9m) MAX. SUPPORTED JOIST LENGTH
- MIN. 2200psi (15MPa) CONCRETE AFTER 28 DAYS
- SHALL REST ON UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL W/ MIN. 10.9psi (75kPa) BEARING CAPACITY
- FTG. TO HAVE CONTINUOUS KEY
- FTG. SIZES MAY BE REDUCED FOR SOILS W/ GREATER BEARING CAPACITY (AS PER SOILS ENGINEERING REPORT)

TYPICAL STRIP FOOTING: (EXTERIOR WALLS)

- O.B.C. 9.15.3.5.
- FTG. TO EXTEND MIN. 4'-0" (1200mm) BELOW GRADE
- BRICK VENEER
 - 1 STOREY - 1'3" X 4" (330mm X 100mm)
 - 2 STOREY - 1'9" X 4" (483mm X 155mm)
 - 3 STOREY - 2'6" X 9" (660mm X 230mm)

- SIDING:
 - 1 STOREY - 1'0" X 4" (255mm X 100mm)
 - 2 STOREY - 1'4" X 4" (360mm X 100mm)
 - 3 STOREY - 1'8" 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)
- 1 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/ 5/8" (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' ROLL 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 & FTG.
- 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.
- R10 (RSI 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 (O.B.C. S8-12 & 2.1.1.6 (3))
- UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFORM TO SUPPLEMENTARY STANDARD (O.B.C. S8-9)

SLAB ON GROUND:

- 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' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS.
- DAMP-PROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3600psi(25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
- R10 (RSI 1.76) INSULATION UNDER ENTIRE SLAB WHERE THE ENTIRE SLAB IS WITHIN 23-1/2" (600mm) OF GRADE.
- 4" (100mm) OF COURSE GRANULAR MATERIAL
- PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FTG.
- 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. S8-9)

GARAGE SLAB / EXTERIOR SLAB:

- 4" (100mm) CONCRETE SLAB
- 4650psi (32MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS FOR UNREINFORCED CONC. & W/ 5-8% AIR ENTRAINMENT - O.B.C. 9.3.1.6.
- 6" X 6" (W2.9 X W 2.9) 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.

PILASTERS:

- O.B.C. 9.15.5.3.
- PI LASTER
 - CONCRETE NB - 4" X 12" (100mm X 300mm)
 - BLOCK NB - 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 30psf (2.4kPa).

STEEL PIPE COLUMN:

- O.B.C. 9.15.3.4. & 9.17.3.
- FIXED COLUMN
- MIN. 3 1/2" (90mm) D.A. W/ 3/16" (4.76mm) WALL THICKNESS
- FOR STEEL BFAMS, CLIPS @ TOP & MIN. 6" X 4" X 1/4" (152mmX 100mmX 6.35mm) STEEL BTM. PLATE
- FOR WOOD BEAMS, MIN. 4"x4"x 1/4" (100mmX 100mm X 6.35mm) STEEL TOP & BTM. PLATES, OR TOP PLATE TO EXTEND MIN. WIDTH OF BEAM.
- ADJUSTABLE COLUMNS TO CONFORM TO CAN/CSG8-2-Z-M WHERE IMPOSED LOAD DOES NOT EXCEED 36 kN (O.B.C. 9.17.3.4.)
- COL. SPACING:
 - 2 STOREY
 - MAX. 9'-10" (2997mm)
 - 34" X 34" X 16" (860mmX 860mmX 400mm)
 - 44" X 44" X 21" (1120mmX 1120mmX 530mm)
 - 3 STOREY
 - MAX. 9'-10" (2997mm)
 - 40" X 40" X 19" (1010mmX 1010mmX 480mm)
 - 51" X 51" X 24" (1295mmX 1295mmX 610mm)
- MAX. 16'-0" (4880mm)
- WHERE COL. SITS ON FDN. WALL USE 4" X 8" X 5/8" (100mmX 200mmX 16mm) STEEL PLATE WITH 2 5/8" (16mm) ANCHOR BOLTS

WOOD COLUMN:

- O.B.C. 9.17.4.1.
- 5 1/2" X 5 1/2" (140mm X 140mm) SOLID WOOD COLUMN.
- METAL SHOE ANCHORED TO FOOTING
- 25" X 25" X 1/2" (640mmX 640mmX 300mm) CONC. PAD (1 FLOOR SUPPORTED W/ 9'-10" COL. SPACING)
- 34" X 34" X 1/4" (860mmX 860mmX 360mm) CONC. PAD (2 FLOORS SUPPORTED W/ 9'-10" COL. SPACING)

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

- O.B.C. 9.23.1.4. & 9.27.1.
- 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'-6" (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. 1.9.15.4.1 SHALL BE USED OR IT SHALL BE DESIGNED UNDER O.B.C. PART 4
- WALL SHALL EXTEND A MIN. 5/8" (150mm) ABOVE GRADE
- INSULATE W/ R12 (RSI 2.11) FROM UNDERSIDE OF S/FLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT (ZONE 1, O.B.C. T.2.1.1.2.A.)
- BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL

REDUCTION OF THICKNESS:

- O.B.C. 9.15.4.7.
- WHERE THE TOP OF THE FOUNDATION WALLS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2" (90mm) THICK.
- TIE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7 7/8" (200mm) VERTICALLY O.C. & 2'-11" (900mm) HORIZONTALLY.
- FILL SPACE BETWEEN WALL AND FACING SOLID W/ MORTAR
- WHERE WALLS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK

DAMP-PROOFING & WATERPROOFING:

- DAMP-PROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C. 9.13.2.
- WHERE INSULATION EXTENDS TO MORE THAN 4'-0" (1450mm) BELOW GRADE, A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 9.14.2.1.(2) (3) (4)
- FINISHED BASEMENT SHALL HAVE INTERIOR DAMP-PROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.(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 DAMP-PROOFING.

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 OF WALL
- BARS TO HAVE MIN. 2" (50mm) CONCRETE COVER
- BARS TO EXTEND 2'-0" (600mm) BEYOND BOTH SIDES OF OPENING.

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.
- 2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
- MIN. R22 (RSI 3.87) INSULATION (ZONE 1, O.B.C. T.2.1.1.2.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" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):

- O.B.C. S8-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
- FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
 - REPLACE R22 (RSI 3.87) INSULATION WITH R22 (RSI 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):

- 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 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV.

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 (RSI 1.41) RIGID INSULATION W/ TAPED JOINTS (O.B.C. 9.27.3.4.)
- BRACE W/ CONT. 16 GAUGE STEEL T BRACES FROM TOP PLATE TO BTM. PLATE FOR THE FULL LENGTH OF WALL, OR CONT. 2" X 4" (38mmX 89mm) SOLID WOOD BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL.
- 2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. @ 12" (300mm) O.C. ON BOTTOM R.R. WHEN 3 STOREYS.
- R14 (RSI 2.46) INSULATION (ZONE 1, O.B.C. T.2.1.1.2.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 2 + 3 FLOORS ABOVE - O.B.C. 1.9.23.10.1. =
- FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
- FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):

- O.B.C. S8-3 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 (RSI 2.46) INSULATION WITH R14 (RSI 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" (38mmX 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" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
- FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):

- O.B.C. S8-3 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):

- 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 WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV.

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" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
- MIN. R22 (RSI 3.87) INSULATION (ZONE 1, O.B.C. T.2.1.1.2.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" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):

- O.B.C. S8-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
- FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
 - REPLACE R22 (RSI 3.87) INSULATION WITH R22 (RSI 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
- 1 1/2" (38mm) R8 (RSI 1.41) RIGID INSULATION W/ TAPED JOINTS (O.B.C. 9.27.3.4.)
- 2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. @ 12" (300mm) O.C. ON BOTTOM FLR. WHEN 3 STOREYS
- BRACE W/ CONT. 16 GAUGE STEEL T BRACES FROM TOP PLATE TO BTM. PLATE FOR THE FULL LENGTH OF WALL, OR
- CONT. 2" X 4" (38mmX 89mm) SOLID WOOD BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL
- R14 (RSI 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" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
- FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):

- O.B.C. S8-3 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 (RSI 2.46) INSULATION WITH R14 (RSI 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 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV.

BRICK VENEER CONSTRUCTION @ GARAGE:

- 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 4" (38mmX 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" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
- FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

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

CLIENT SPECIFIC REVISIONS

I, ERIC SCHNIDFR, DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RN DESIGN LTD 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. QUALIFIED DESIGNER SIGN: 30640 26995 MAR-13-15 FIRM SIGN: DATE:

SIGNATURE:

client

Senator Homes

project
BATHURST 9130

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	15-Jan-15	es	sh	5				
2	ISSUED FINAL	15-Mar-15	es	es	6				
3					7				
4					8				

location

Vaughan

marketing name

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TH-22-2-LOTS 63, 137

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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 R15 (RSI 2.64) 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.

17) **INTERIOR STUD WALLS:**
O.B.C. 9.23.10.1.
-2" X 4" (38mm X 89mm) WOOD STUDS @ 16" (400mm) O.C. OR
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C. W/
-DOUBLE 2" X 4" OR 2" X 6" TOP PLATES AND SINGLE BOTTOM PLATE
-1/2" (12.7mm) GYPSUM BOARD BOTH SIDES.

18) **BEARING STUD WALL (BASEMENT):**
-2" X 4" (38mm X 89mm) WOOD STUDS @ 16" (400mm) O.C. OR
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C. W/
-DBL 2" X 4" OR 2" X 6" TOP PLATE
-2" X 4" OR 2" X 6" BOTTOM PLATE ON DAMPROOFING MATERIAL.
-1/2" (12.7mm) GYPSUM BOARD BOTH SIDES.
-1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C.
-FOOTING AS PER GENERAL NOTE #2 W/ 4" CONC. CURB

19) **PARTY WALL - BLOCK:**
O.B.C. SB-3 WALL = B6e (STC = 57, FIRE = 2 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-SPACF BETWEEN TOP OF WALL & ROOF DFCK SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR NONCOMBUSTIBLE MATERIAL & CAULKED TO PREVENT SMOKE PASSAGE
-1/2" (12.7mm) GYPSUM BOARD W/ TAPED JOINTS BOTH SIDES
-2" X 2" (38mm X 38mm) WOOD STRAPPING @ 24" (600mm) O.C. BOTH SIDES
-ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-7 1/2" (190mm) HOLLOW BLOCK (NORMAL WEIGHT AGGREGATE)
-STAGGER JOISTS & BEAMS MIN. 3 1/2" (90mm) @ PARTY WALLS AS PER O.B.C. 9.10.9.9.(1) & TABLE 2.1.1. SB-2
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

19a) **PARTY WALL - BLOCK (AGAINST GARAGE):**
O.B.C. SB-3 WALL = B5c (STC = 51, FIRE = 2 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS
-1/2" (12.7mm) GYPSUM BOARD
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-2" X 4" (38mm X 89mm) WOOD STRAPPING @ 16" (400mm) O.C.
-R20 (RSI 3.52) RIGID INSULATION
-7 1/2" (190mm) HOLLOW BLOCK (NORMAL WEIGHT AGGREGATE)
-1/2" (12.7mm) GYPSUM BOARD @ WALL & U/S OF CEILING BETWEEN HOUSE AND GARAGE
-TAPE AND SEAL ALL JOINTS GAS TIGHT
REQ. INSULATION VALUES:
INSULATION VALUES PROVIDED BY CAN/CSA-F280-M90
-RIGID INSULATION = 20.00
-LOW DENSITY CONCRETE BLOCK = 1.70
-WOOD FRAME W/ GYPSUM = 2.72
-AIR FILM - MOVING = 0.68
-AIR FILM - STILL = 0.17
TOTAL R-VALUE = 25.27

19b) **FIREWALL:**
O.B.C. 9.10.11.1. & 3.1.10. & SB-3 WALL = B6e (STC = 57, FIRE = 2 HR)
-ONE FIREWALL IS REQUIRED FOR EVERY 6400 S.F. (600 SQ.M.) OF BUILDING AREA. O.B.C. 13.2.2.47.
-1/2" (12.7mm) GYPSUM BOARD W/ TAPED JOINTS
-2" X 2" (38mm X 38mm) WOOD STRAPPING @ 24" (600mm) O.C. ON BOTH SIDES OF WALL
-SOUND ABSORPTIVE MATERIAL EACH SIDE FILLING 90% OF THE CAVITY
-7 1/2" (190mm) CONC. BLOCK, MIN. 2 HR. FIRE-RESISTANT RATING
-EVERY FIREWALL SHALL BE CONTINUOUS THROUGH ALL BUILDING STOREYS
-STAGGER JOISTS & BEAMS MIN. 3 1/2" (90mm) @ FIRE WALLS AS PER O.B.C. 9.10.9.9.(1) & TABLE 2.1.1. SB-2
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)
-PROTRUDE PAST FASCIA @ EAVES W/ BRICK CORBELLING
-EXTEND 5/8" (150mm) ABOVE ROOF SURFACES & HAVE ALUMINUM CAP W/ THROUGH WALL FLASHING PER O.B.C. 3.1.10.4.(1)
-WHERE THE DIFFERENCE IN HEIGHT BETWEEN ADJACENT ROOFS IS GREATER THAN 9'10" (3m), WALL NEED NOT EXTEND PAST UPPER ROOF SURFACE PER O.B.C. 3.1.10.4.(2)

20) **PARTY WALL - FOUNDATION:**
O.B.C. 9.19.14.2.
-7/8" (200mm) SOLID CONC. FOUNDATION WALL @ 2200psi (15MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-FOUNDATION WALL TO REST ON FOOTING PER GENERAL NOTE #2

21) **PARTY WALL - WOOD STUD:**
O.B.C. SB-3 WALL = W13a (STC = 57, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2" X 4" (38mm X 89mm) STUDS @ 16" (400mm) O.C. W/ SEPARATE 2" X 4" (38mm X 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mm X 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY
-5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED.
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)
NOTE: SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. 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.

22) **GARAGE WALL & CEILING:**
O.B.C. 9.10.9.16.(3)
-1/2" (12.7mm) GYPSUM BOARD ON BOTH SIDES OF WALL & U/S OF CEILING BETWEEN HOUSE AND GARAGE
-TAPE AND SEAL ALL JOINTS GAS TIGHT
-R22 (RSI 3.87) INSULATION IN WALLS.
-R31 (RSI 5.41) INSULATION IN CEILINGS W/ FLOOR ABOVE
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4. FOR FLOOR ABOVE
-INSULATION AROUND DUCTS AND PIPING NOT TO ENCRUST MIN. REQUIRED GARAGE AREA (REFER TO MUNICIPAL STANDARDS).
-1/2" (12.7mm) GYPSUM BOARD
-ROOF FRAMING MEMBERS ARE FASTENED TO TOP PLATES WITH 4 - 3 1/4" (82mm) TOE NAILS
-BOTTOM PLATES ARE FASTENED TO FLOOR JOISTS, BLOCKING OR RM JOIST WITH 3 1/4" (82mm) NAILS AT 7 7/8" (200mm) O.C.

22a) **WALLS ADJACENT TO ATTIC SPACE:**
-1/2" (12.7mm) GYPSUM BOARD
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-R22 (RSI 3.87) INSULATION
-1/2" (12.7mm) GYPSUM BOARD OR 1/4" (6mm) PLYWOOD SHEATHING ON ATTIC SIDE
-ATTIC ACCESS TO BE PROVIDED AS PER O.B.C. 9.19.2.1.

23) **DOUBLE VOLUME WALLS:**
O.B.C. 9.23.10.1.
-3/8" (9.5mm) PLYWOOD, OSB OR WATERBOARD SHEATHING
-REFER TO PLAN FOR STUD SPECIFICATION
-STUDS FASTENED AT TOP & BOTTOM WITH 3/ 3-1/4" (82mm) TOE NAILS
-DOUBLE TOP PLATES FASTENED TOGETHER WITH 3" (76mm) AT 7 7/8" (200mm) O.C.
-SOLID BRIDGING AT 3'-11" (1200mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION (ZONE 1, O.A.C. T.2.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH O.B.C. 9.25.3. & 9.25.9.

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 AREAS:**
-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. 9.20.5.2.
-3 1/2" MASONRY VENEER ON 2" MORTAR JOINT ON 3 1/2" MASONRY VENEER
-WYTHES TO BE BLD 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) **CORBEL MASONRY VENEER:**
-MASONRY VENEER TO BE CORBELLED AS PER O.B.C. 9.20.12.3.(1)

FLOOR ASSEMBLIES:

26) **SILL PLATE:**
O.B.C. 9.23.7.3.
-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 64mm) 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 64mm) 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)
d) FURRING OR PANEL TYPE CEILING
-STRAPPING NOT REQUIRED IF FURRING STRIPS OR PANEL TYPE CEILING FINISH IS ATTACHED DIRECTLY TO JOISTS.

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

29) **PORCH SLABS ABOVE COLD CELLAR:**
O.B.C. 9.29.1.4.
-REINFORCED CONCRETE SLABS ABOVE COLD CELLARS THAT ARE SUPPORTED ON FOUNDATION WALLS NOT TO EXCEED 8'-2"
-4'-8" (129mm) 4550psi (32 MPa) CONC. SLAB WITH 5 TO 8% AIR ENTRAINMENT
-REINFORCE WITH 10# BARS @ 7 7/8" (200mm) EACH WAY
-1 1/4" (30mm) CLEAR COVER FROM THE BOTTOM OF THE SLAB
-3" (75mm) END BEARING ON FOUNDATION WALL
-23 5/8" (600mm) X 23 5/8" (600mm) 10# JOINTS @ 23 5/8" (600mm) O.C.

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 43a
-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
-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. 9.29.5.3.)

30a) **EXTERIOR FLAT ROOF ASSEMBLY:**
-SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT
-INSTALL 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
-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. 9.29.5.3.)

ROOF ASSEMBLIES

31) **TYPICAL ROOF:**
O.B.C. 9.26.
-NO. 210 (30. SKG/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.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH 1" CLIPS
-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
-TRUSS BRACING AS PER TRUSS MANUFACTURER
-EAVES TROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
-ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH 50% AT SOFFIT.

32) **CEILING:**
-R50 (RSI 8.8) 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. 9.29.5.3.)

32a) **VAULTED OR CATHEDRAL CEILING:**
O.B.C. 9.26. & TABLE A4
-NO. 210 (30. SKG/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.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH 1" CLIPS.

-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"x11" (38mm X 235mm) @ 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 A6 OR A7
-2" X 6" (38mm X 140mm) RAFTERS @ 16" (400mm) O.C. MAX. SPAN 17'-9" (3890mm)
-2"x4" (38mm X 89mm) COLLAR TIES AT MIDSPANS
-CEILING JOISTS TO BE 2" X 6" (38mm X 140mm) @ 16" (400mm) 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:**
O.B.C. 9.19.2.1.
-19 3/4" X 27 1/2" (500mm X 700mm) ATTIC HATCH WITH WEATHERSTRIPPING & BACKED W/ R40 (RSI 7.0) INSULATION.

GENERAL:

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" (660mm)
(BETWEEN WALL FACHS)
-MIN. WIDTH = 2'-11" (900mm)
(EXIT STAIRS BETWEEN GUARDS)
-ANGLED TREADS:
-MIN. RUN = 5 7/8" (150mm)
-MIN. AVG. RUN = 7 7/8" (200mm)
-FINISHED RAILING ON WOOD PICKETS MAX. 4" BETWEEN PICKETS
-EXTERIOR CONC. STEPS TO HAVE MIN. 9 1/4" (235mm) TREAD & MAX. 7 7/8" (200mm) RISE
-FOUND. WALL REQUIRED WHEN NUMBER OF RISERS EXCEEDS 2
-FTG. FOR FOUND. WALL TO BE MIN. 4'-0" (1220mm) BELOW GRADE

HANDRAILS:
O.B.C. 9.8.7
-ONE HANDRAIL REQUIRED WHERE STAIR WIDTH IS LESS THAN 3'-7" (1100mm)
-TWO HANDRAILS REQUIRED WHERE STAIR WIDTH EXCEEDS 3'-7" (1100mm)
-ONE HANDRAIL IS REQUIRED ON CURVED STAIRS OF ANY WIDTH WITHIN DWELLING UNITS
-HANDRAILS ARE TO BE CONTINUOUS EXCEPT WHERE INTERRUPTED BY DOORWAYS, LANDINGS OR POSTS AT CHANGES IN DIRECTION

HEIGHT:
O.B.C. 9.8.7.4
-2'-10" (665mm) MIN. TO 3'-2" (965mm) MAX.
-3'-6" (1070mm) WHERE GUARDS ARE REQUIRED ON LANDINGS
-MEASURED VERTICALLY FROM THE TOP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN FROM THE TANGENT TO THE TREAD NOSING

PROJECTIONS:
O.B.C. 9.8.7.6
-HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEPP STRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INTO THE REQUIRED WIDTH OF THE STAIR

35a) **PUBLIC STAIRS:**
O.B.C. 9.8.4.
-MAX. RISE = 7-3/32" (180mm)
-MIN. RUN = 11" (280mm)
-MIN. TREAD = 11" (280mm)
-MAX. NOSING = 1" (25mm)
-MIN. HEADROOM = 6'-9" (2050mm)
-MIN. WIDTH = 2'-11" (900mm)
(EXIT STAIRS BETWEEN GUARDS)
-FINISHED RAILING ON WOOD PICKETS MAX. 4" BETWEEN PICKETS
-FOUND. WALL REQUIRED WHEN NUMBER OF RISERS EXCEEDS 2
-FTG. FOR FOUND. WALL TO BE MIN. 4'-0" (1220mm) BELOW GRADE

HANDRAILS:
O.B.C. 9.8.7
-ONE HANDRAIL REQUIRED WHERE STAIR WIDTH IS LESS THAN 3'-7" (1100mm)
-TWO HANDRAILS ARE REQUIRED WHERE STAIR WIDTH EXCEEDS 3'-7" (1100mm)
-TWO HANDRAILS ARE REQUIRED ON CURVED STAIRS OF ANY WIDTH
-HANDRAILS ARE TO BE CONTINUOUS INCLUDING AT LANDINGS EXCEPT WHERE INTERRUPTED BY DOORWAYS OR NEWEL POSTS AT CHANGES IN DIRECTION

HEIGHT:
O.B.C. 9.8.7.4
-2'-10" (665mm) MIN. TO 3'-2" (965mm) MAX.
-3'-6" (1070mm) WHERE GUARDS ARE REQUIRED ON LANDINGS
-MEASURED VERTICALLY FROM THE TOP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN FROM THE TANGENT TO THE TREAD NOSING

PROJECTIONS:
O.B.C. 9.8.7.6
-HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEPP STRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INTO THE REQUIRED WIDTH OF THE STAIR

TERMINATION:
O.B.C. 9.8.7.3
-ONE HAND RAIL SHALL EXTEND HORIZONTALLY NOT LESS THAN 11 3/4" (300mm) BEYOND THE TOP & BOTTOM OF EACH STAIR AS

FINISH:
O.B.C. 9.8.7.6
-RAILS ARE TO BE WEAR AND SLIP RESISTANT, SMOOTH, EVEN AND FREE FROM DEFECTS
-STAIRS AND RAMPS TO HAVE EITHER A COLOUR CONTRAST OR DISTINCTIVE PATTERN TO DEMARCAT THE LEADING EDGE OF THE TREADS, LANDING AND THE BEGINNING AND END OF A RAMP

36) **INTERIOR GUARDS:**
O.B.C. SB-7 & 9.8.8.3.
-GUARDS TO BE 3'-6" (1070mm) HIGH
-FOR DWELLING UNITS GUARDS TO BE A MIN. OF 2'-11" (900mm) HIGH
-INCLUDES WINDOWS OVER STAIRS, RAMPS AND LANDINGS
-PICKETS TO HAVE 4" (100mm) MAX. SPACING
-PROMINENT SPIN COSTS AS PER SB-7
-GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH
-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

36a) **EXTERIOR GUARDS:**
O.B.C. SB-7 & 9.8.8.3.
-GUARDS ARE REQUIRED WHEN WALKING SURFACE TO GRADE IS GREATER THAN 23 5/8" (600mm).
-GUARDS TO BE 3'-6" (1070mm)
-FOR DWELLING UNITS GUARDS TO BE A MIN. OF 2'-11" (900mm) HIGH
-FOR DWELLING UNITS GUARDS TO BE 3'-6" (1070mm) HIGH WHERE WALKING SURFACE IS MORE THAN 9'-11" (1800mm) ABOVE ADJACENT GRADE.
-PICKETS TO HAVE 4" (100mm) MAX. SPACING
-PROMINENT SPIN COSTS AS PER SB-7
-GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH
-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

CLIENT SPECIFIC REVISIONS

I, ERIC SCHNEIDER DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RN DESIGN LTD 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. QUALIFIED DESIGNER BCIN: 30840 FIRM BCIN: 26995 DATE: MAR-13-15

SIGNATURE:

client
Senator Homes

location
Vaughan

project
BATHURST 9130

marketing name

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	15-Jun-15	ds	sh	5				
2	ISSUED FINAL	3-Aug-15	es	es	6				
3					7				
4					8				

RN design
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model
TH-22-2-LOTS 63, 137

scale
3/16" = 1'0"

project #
12073

page

D2

36b EXTERIOR GUARDS @ JULIET BALCONY:

- EXTERIOR GUARDS @ JULIET BALCONY:**

 - FOR RAILING SPANNING MAXIMUM OF 6'-0".
 - PROVIDE PREFIN. METAL RAILING W/ 7/16" VERTICAL OPENING TO CONFORM WITH O.B.C. APPENDIX A-9.8.5.
 - GUARDS TO BE 3'-6" (1070mm)
 - FOR DWELLING UNITS GUARDS TO BE 2'-11" (900mm) WHERE FLOOR TO GRADE DIFFERENCE IS LESS THAN 5'-11" (1800mm) AS PER O.B.C. 9.8.8.2. OR
 - FOR DWELLING UNITS GUARDS TO BE 3'-6" WHERE FLOOR TO GRADE DIFFERENCE IS 5'-11" (1800mm) OR GREATER AS PER O.B.C. 9.8.8.2.
 - VERTICAL END RAILING ANCHORED TO CORNER DOUBLE STUDS USING 3" 3/8" Ø MIN. ANCHOR BOLTS EQUALLY SPACED WITH 3' MIN. EMBEDMENT TO STUDS.
 - PROVIDE SAME ANCHOR BOLTS @ 3/6" O.C. FOR BASE PLATE CONNECTION.

- 37 - LINEN CLOSET 4 SHELVES MIN. 1'-2" (350mm) DEEP

- 38 - WASHROOMS TO BE MECHANICALLY VENTED TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR, O.B.C.- 9.32.1.3.(3)

- 39 -CAPPED DRYER VENT

- 40 -1"X2" (19mmX38mm) BOTH SIDES OF STEEL.

- 41 -WOOD FRAMING MEMBERS SUPPORTED ON CONCRETE IN CONTACT WITH GROUND OR FILL SHALL BE PRESSURE TREATED OR SEPARATED FROM CONCRETE W/ 6 mil POLYETHYLENE.

- 42 -PRECAST CONC. STEP
-2 RISERS MAXIMUM PERMITTED TO BE LAID ON GROUND

- 44 SMOKE ALARM, O.S.C. 9.10.19.
 PROVIDE 1 ON EACH FLOOR INCLUDING BASEMENTS
 PROVIDE 1 IN EACH BEDROOM
 PROVIDE 1 IN EACH HALLWAY SERVING BEDROOMS
 ALARMS TO BE CONNECTED IN CIRCUIT AND INTERCONNECTED SO ALL
 ALARMS WILL BE ACTIVATED IF ANY ONE OF THEM SOUNDS.
 ALARMS MUST BE HARDWIRED AND HAVE AN ALTERNATE POWER SOURCE
 THAT CAN POWER ALARM FOR 7 DAYS, FOLLOWED BY 4 MINUTES OF ALARM

- 45 CARBON MONOXIDE ALARM (CMA), O.B.C.- 9.33.4.
-WHERE THERE IS A FUEL BURNING APPLIANCE A CMA SHALL BE PROVIDED ADJACENT TO EACH SLEEPING AREA.
-CMA TO BE WIRED IN CIRCUIT TO SOUND SMOKE ALARMS WHEN ACTIVATED.

- 46 -MAIN DOOR TO BE OPERABLE FROM INSIDE W/OUT KEY
-PROVIDE A VIEWER WITH A VIEWING ANGLE OF NOT LESS THAN 160 DEG.
UNLESS GLAZING IS PROVIDED IN DOOR OR A SIDELIGHT IS PRESENT.
-R4 (RSI 0.70) WHERE A STORM DOOR IS NOT PROVIDED

- 47 -GARAGE MAN DOORS TO BE GAS PROOFED WITH SELF CLOSER, WEATHERSTRIPPING, THRESHOLD & DEAD BOLT PER O.B.C. 9.10.13.15. -R4 (RS) 0.70)

48. TRAVEL FROM A FLOOR LEVEL TO AN EXIT OR EGRESS DOOR SHALL BE LIMITED TO ONE FLOOR EXCEPT:
- 1) WHERE THAT FLOOR LEVEL HAS ACCESS TO A BALCONY OR
 - 2) WHERE THAT FLOOR LEVEL HAS A WINDOW PROVIDING AN UNOBSTRUCTED OPENING OF NOT LESS THAN 3'-3" (1000mm) IN HEIGHT AND 21 5/8" (550mm) IN WIDTH. SUCH WINDOW SHALL BE LOCATED SO THAT THE SILL IS NOT MORE THAN 3'-3" (1000mm) ABOVE FLOOR AND 23'-0" (7.0m) ABOVE ADJACENT GROUND LEVEL.

49 EXTERIOR COLUMN W/ MASONRY PIER:

- 49** **EXTERIOR COLUMN W/ MASONRY PIER:**

 - MIN. 6"X6" (140mm X 140mm) WOOD POST ANCHORED TO PORCH SLAB W/ METAL SADDLE.
 - TOP PORTION OF POST CLAD W/ DECOR. SURROUND PER ELEVATION DRAWINGS.
 - 14" X 14" MASONRY VENEER SURROUND W/ PRECAST CONCRETE CAP.
 - REFER TO ELEVATION DRAWINGS FOR HEIGHT OF CAP.
 - SURROUND TO BE TIED W/ METAL LIES @ 16" (400mm) O.C. VERT. INSTALLED PER O.B.C. P.203 P.4.
 - 3/4" AIR SPACE AROUND POST.
 - OR
 - MIN. 6"X6" (140mm X 140mm) WOOD POST CLAD W/ DECOR. SURROUND (PER ELEVATION DRAWINGS) ANCHORED TO CONC. CAP W/ METAL SADDLE.
 - 14" X 14" MASONRY PIER TO BE CONSTRUCTED SOLID W/ PRECAST CONCRETE CAP.
 - REFER TO ELEVATION DRAWINGS FOR HEIGHT OF CAP.
 - NOTE: DECORATIVE STRUCTURAL COLUMNS MAY REPLACE 6" X 6" POST PROVIDED THAT THEY ARE IN CONFORMANCE WITH O.B.C. 9.17.4.

EXTERIOR COLUMN:

- EXTERIOR COLUMN:**
-MIN. 6"X6" (140mm X 140mm) WOOD POST CLAD W/ DECOR. SURROUND
(PER ELEVATION DRAWINGS) ANCHORED TO PORCH SLAB W/
METAL SADDLE
NOTE: DECORATIVE STRUCTURAL COLUMNS MAY REPLACE 6" X 6" ABOVE
PROVIDED THAT THEY ARE IN ACCORDANCE WITH O.B.C. 9.17.4.

 COLD CELLARS:

- 50 COLD CELLARS:**

FOR COLD CELLARS PROVIDE THE FOLLOWING:

 - VENTING AREA TO BE EQUIVALENT TO 0.2% OF COLD CELLAR AREA.
 - COVER VENT W/ BUG SCREEN
 - WALL MOUNTED LIGHT FIXTURE
 - L1-L7 FOR DOOR OPENING
 - 2'-8" X 6'-8" EXTERIOR TYPE DOOR (MIN. R-4 RSJ 0.7)
 - INSULATE FULL HEIGHT OF INTERIOR BASEMENT WALL W/ MIN. R12 (RSJ 2.11)

51 STUD WALL REINFORCEMENT:

- STUD WALL REINFORCEMENT:**
O.B.C. 9.5.2.3.
- WALL STUDS ADJACENT TO WATER CLOSETS & SHOWER BATH TUBS IN MAIN BATHROOM ARE TO BE REINFORCED TO PERMIT THE FUTURE INSTALLATION OF GRAB BARS AS PER O.B.C. 3.8.3.8.(1)(d) & 3.8.3.13.(1)(f)
 - GRAB BARS TO BE INSTALLED AS PER O.B.C. 9.8.7.12(1)

FRAME CONSTRUCTION:

- ### FRAME CONSTRUCTION:
- ALL FRAMING LUMBER TO BE NO.1 AND NO.2 SPF UNLESS NOTED OTHERWISE.
 - ROOFLOADING IS BASED ON 1.5KPa SPECIFIED COMPOSITE SNOW AND RAIN LOADS.
 - JOISTS TO HAVE MIN. 1-1/2" (38mm) END BEARING
 - BEAMS TO HAVE MIN. 3-1/2" (89mm) END BEARING
 - DOUBLE STUDS @ OPENINGS
 - DOUBLE JOISTS @ JOISTS AROUND FLOOR OPENINGS WHEN THEY ARE BETWEEN 3-1/1" (120mm) AND 19'-9" (3200mm)
 - DOUBLE IRIMMER JOISTS WHEN HEADER JOIST LENGTH IS BETWEEN 2'-7" (800mm) AND 6'-7" (2000mm)
 - DOUBLE JOIST OR SOLID BLOCKING UNDER NON-LOAD BEARING PARALLEL PARTITION
 - BEAMS TO BE PLACED UNDER LOAD BEARING WALLS WHEN WALLS ARE PARALLEL TO FLOOR JOISTS

- BEAMS MAY BE A MAX. 24" (600mm) FROM LOADS BEARING WALLS
WHEN WALLS ARE PERPENDICULAR TO FLOOR JOISTS
APPROVED METAL HANGERS TO BE USED FOR JOISTS AND BEAMS WHEN
THEY FRAME INTO SIDES OF BEAMS, TRIMMERS AND HEADERS
-FLOOR JOISTS SUPPORTING ROOF LOADS SHALL NOT BE CANTILEVERED
MORE THAN 15 3/4" (400mm) BEYOND SUPPORTS FOR 2" X 8" (38mm X
184mm)
-FLOOR JOISTS SUPPORTING ROOF LOADS SHALL NOT BE CANTILEVERED
MORE THAN 23 5/8" (600mm) BEYOND SUPPORTS FOR 2" X 10" (38mm X
235mm) OR LARGER.

WINDOWS:

- WINDOWS:**
- WINDOWS TO BE SEALED TO THE AIR & VAPOR BARRIER
 - WINDOWS THAT SEPARATE HEATED SPACE FROM UNHEATED SPACE SHALL HAVE AN OVERALL COEFFICIENT OF HEAT TRANSFER OF $1.8 \text{ W/(m}^2\text{K)}$
 - AN ENERGY RATING OF NOT LESS THAN 21 FOR OPERABLE WINDOWS & 21 FOR FIXED WINDOWS
 - BASEMENT WINDOWS WITH LOAD BEARING STRUCTURAL FRAME SHALL BE DOUBLE GLAZED WITH LOW-E COATING
 - GLAZED PART SHALL HAVE AN OVERALL COEFFICIENT OF HEAT TRANSFER OF $2.8 \text{ W/(m}^2\text{K)}$
 - FOR GROSS GLAZED AREAS LESS THAN 17%

ADDITIONAL COMPLIANCE ALTERNATIVES FOR PACKAGE J.

- ADDITIONAL COMPLIANCE ALTERNATIVES FOR PACKAGE J.**
- THE MINIMUM R (R5) VALUE FOR THERMAL INSULATION IN EXPOSED ABOVE GRADE WALLS IS PERMITTED TO BE NO LESS THAN R60 (R3.52) PROVIDED: THAT THE WINDOWS AND SLIDING GLASS DOORS HAVE A MAXIMUM U-VALUE OF 1.6, OR THE THERMAL INSULATION VALUE IN BASEMENT WALLS HAS A MINIMUM R20 (R51.352).
- OR
- WHERE BLOWN-IN INSULATION OR SPRAY-APPLIED FOAM INSULATION IS USED, THE MINIMUM R (R5) VALUE FOR THERMAL INSULATION IN EXPOSED ABOVE GRADE WALLS IS PERMITTED TO BE NO LESS THAN R20 (R51.352) PROVIDED THAT:
- a) THE THERMAL INSULATION VALUE IN A CEILING WITH AN ATTIC SPACE IS NOT LESS THAN R60 (R51.10.55).
- b) THE MINIMUM EFFICIENCY OF THE HRV IS INCREASED BY NOT LESS THAN 5 PERCENT.
- c) THE MINIMUM AFUE OF THE SPACE HEATING EQUIPMENT IS INCREASED BY NOT LESS THAN 2 PERCENTAGE POINTS.
- d) THE MINIMUM EF OF THE DOMESTIC HOT WATER HEATER IS INCREASED BY NOT LESS THAN 4 PERCENTAGE POINTS.



























◆ CLIENT SPECIFIC REVISIONS

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 RM DESIGN LTD

SCHEDULES

WOOD BEAMS			
WD1	3/2" X 8" SPR	WD9	5/2" X 12" SPR
WD2	4/2" X 8" SPR	WD10	2 1/3 3/4" X 7 1/4" [2.0E] LVL
WD3	5/2" X 8" SPR	WD11	3 1/4 3/4" X 7 1/4" [2.0E] LVL
WD4	3/2" X 10" SPR	WD12	2 1/2 3/4" X 9 1/2" [2.0E] LVL
WD5	4 1/2" X 10" SPR	WD13	3 1/4 3/4" X 9 1/2" [2.0E] LVL
WD6	5/2" X 10" SPR	WD14	2 1/4 3/4" X 11 7/8" [2.0E] LVL
WD7	3/2" X 12" SPR	WD15	3 1/3 3/4" X 11 7/8" [2.0E] LVL
WD8	4/2" X 12" SPR		
LINTELS			
L10	4-7/8" X 3-1/2" X 5/16" L	L15	5-7/8" X 3-1/2" X 5/16" L
L11	4-7/8" X 3-1/2" X 3/8" L	L16	7-1/8" X 3-1/2" X 3/8" L
L12	4-7/8" X 3-1/2" X 1/2" L	L17	7-1/8" X 3-1/2" X 1/2" L
L13	5-1/8" X 3-1/2" X 3/8" L		
L14	5-7/8" X 3-1/2" X 1/2" L		

PLAN/ELEVATION LEGEND

	SMOKE ALARM		CARBON MONOXIDE ALARM (CMA)		FLOOR DRAIN
	WATERPROOF DUPLEX OUTLET		D.J. DOUBLE JOIST		SOLID BEARING 100 LB-SQ YD IN 10'S SUPPORTING JOIST/BEARER
	VENTS AND INTAKES		P.T. PRESSURE TREATED LUMBER		POINT LOAD
	HOSE BIB		G.T. GIRDER TRUSS		FLAT ARCH
	EXHAUST FAN		A.F.F. ABOVE FINISHED FLOOR		2 STORY WALL
	COLD CELLAR VENT		EXTINGUISH FIXTURE (WALL MOUNTED)		UNDER SIDE
	STOVE VENT		HYDRO METER		FIXED GLAZING
	FIRE PLACE VENT		GAS METER		GLASS BLOCK
	DRYER VENT				BLACK GLAZING

I, ERIC SCHNEIDER DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RIN DESIGN LTD. 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.

QUALIFIED DESIGNER BCIN:	30840
FIRM BCIN:	26995
DATE: <u>2019.03.13</u>	MAR-13-15

SIGNATURE:

client
Sengtor Homes

project
BATHURST 9130

#	revisions	date	own	chk	#	revisions	date	own	chk
1	ISSUED FOR CLIENT REVIEW	15-Jan-15	es	sh	5				
2	ISSUED FINAL	3-Mar-15	es	es	6				
3					7				
4					8				

local
Vaughan

AN design
Imagine • Inspire • Create

model
TH-22-2-LOTS 63, 137

scale	project #
3/16" = 1'0"	12073

page

D3