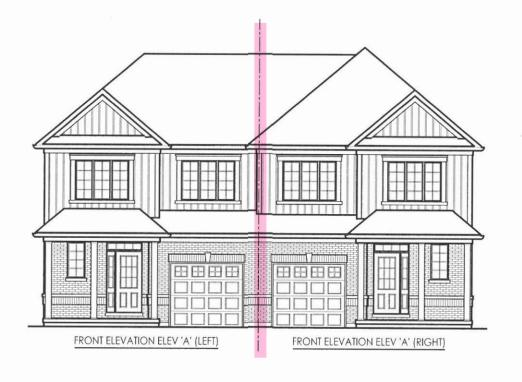
CALL FOR INSPECTION OF CAVATION CRIBBING BEFORE POURING ANY CONCRETE

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL CONSTRUCTION CONFORMS TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE. NOTATIONS MADE ON THESE DRAWINGS ARE FOR YOUR INFORMATION AND ASSISTANCE ONLY AND DO NOT NECESSARILY COMMENT ON ALL AREAS OF CONSTRUCTION.

INSPECTIONS ARE REQUIRED TO BE EMAILED IN TO BUILDING@NORTHDUMFRIES.CA 24 HOURS IN ADVANCE OF THE REQUIRED INSPCTION.

FINAL GRADING CERTIFICATE REQUIRED BEFORE FINAL **INSPECTION SIGN-OFF**





NEITHER THE GRANTING OF A PERMIT NOR THE APPROVAL OF SPECS & DRAWINGS NOR INSPECTIONS MADE BY THE OFFICIAL HAVING JURISDICTION SHALL RELIEVE THE OWNER FROM REQUIREMENTS OF THE ONTARIO BUILDING CODE AND ANY OTHER REFERENCED REQUIREMENTS.



TOWNSHIP OF NORTH DUMFRIES BUILDING DEPARTMENT

These Plans have been examined for Compliance with the Ontario Building Code requirements. A Building Permit has been Issued, subject to any changes noted, under the condition that the building will be constructed in accordance with the code.

10/08/2020 **Adam Miller REVIEWED BY** DATE

Areas:

		ELEVATION 'A'		ELEVATION 'B'	
		SF	SM	SF	SM
GROUND FLOOR PLAN (RIGHT)	(0)	731.8	68.0	731.8	68.0
SECOND FLOOR PLAN (RIGHT)	(0)	946.5	87.9	946.5	87.9
TOTAL AREA (0)		1678.3	155.9	1678.3	155.9
GROUND FLOOR PLAN (LEFT)	(1)	731.8	68.0	731.8	68.0
SECOND FLOOR PLAN (LEFT)	(1)	935.3	86.9	935.3	86.9
TOTAL AREA (1)		1667.1	154.9	1667.1	154.9
COVERAGE INC PORCH		1080.1	100.3	1080.1	100.3
COVERAGE NOT INC PORCH		993.8	92.3	993.8	92.3

Drawing List:

- A0 TITLE SHEET
- BASEMENT FLOOR ELEV 'A' & 'B' (RIGHT) A1 BASEMENT FLOOR ELEV 'A' & 'B' (LEFT)
- A2 GROUND FLOOR ELEV 'A' (RIGHT) GROUND FLOOR ELEV 'A' (LEFT)
- A3 SECOND FLOOR ELEV 'A' (RIGHT)
- SECOND FLOOR ELEV 'A' (LEFT) A4 GROUND FL ELEV 'B' (RIGHT)
- GROUND FLOOR ELEV 'B' (LEFT) A5 SECOND FLOOR ELEV 'B' (RIGHT)
- SECOND FLOOR ELEV 'B' (LEFT) FRONT ELEVATION ELEV 'A' (LEFT) FRONT ELEVATION ELEV 'A' (RIGHT)
- ROOF PLAN ELEV 'A' A7 RIGHT SIDE ELEVATION 'A'
- **A8** REAR ELEVATION 'A' & 'B' (RIGHT) REAR ELEVATION 'A' & 'B' (LEFT)
- A9 LEFT SIDE ELEVATION 'A'
- A10 FRONT ELEVATION ELEV 'B' (LEFT) FRONT ELEVATION ELEV 'B' (RIGHT) ROOF PLAN ELEV 'B'
- A11 RIGHT SIDE ELEVATION 'B'
- A12 LEFT SIDE ELEVATION 'B
- DI CONSTRUCTION NOTES
- D2 CONSTRUCTION NOTES
- D3 CONSTRUCTION NOTES

THE FLOOR AND TRUSS LAYOUTS PROVIDED BY THE MANUFACTURER HAVE BEEN REVIEWED, APPROVED AND COORDINATED ON THE WORKING DRAWING PLANS PROVIDED BY RN DESIGN

Tice River Homes

Tice River Homes Legacy

JORGE MORENO 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: FIRM BCIN: DATE:

SIGNATURE:

marketing name Legacy date dwn chk ISSUED FOR CLIENT REVIEW 23-FEB-18 KK ES 5 RE-ISSUED FOR PERMIT 18-Oct-19 ES 23-APR-18 LO JM REVISED PER ENGINEER COMMENTS & ISSUED FOR PERMIT MADE ALL PARTIAL PLANS INTO FULL 20-JUL-18 WU JM 40c1-19 KC ES PLANS PER CITY COMMENTS

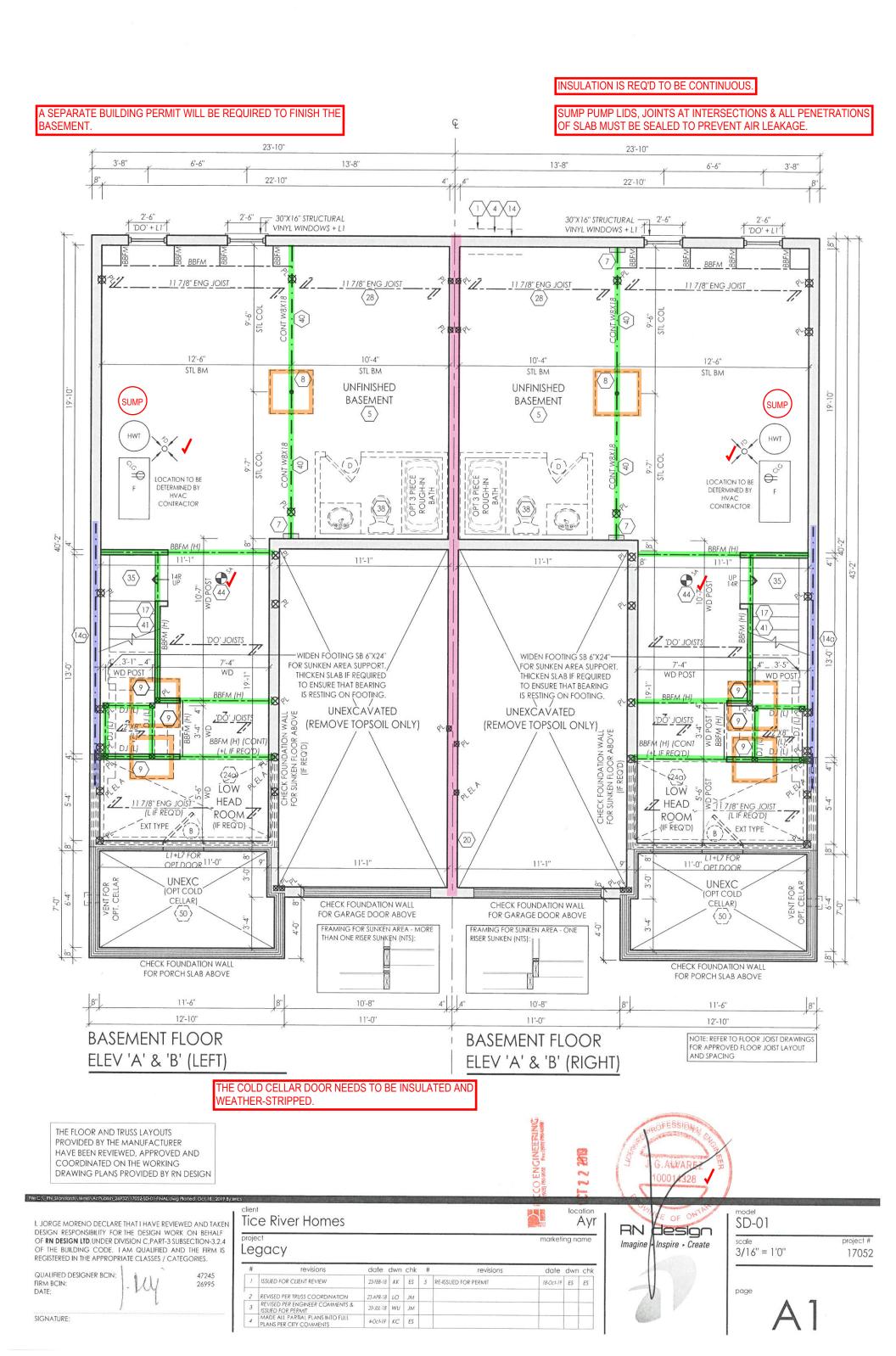


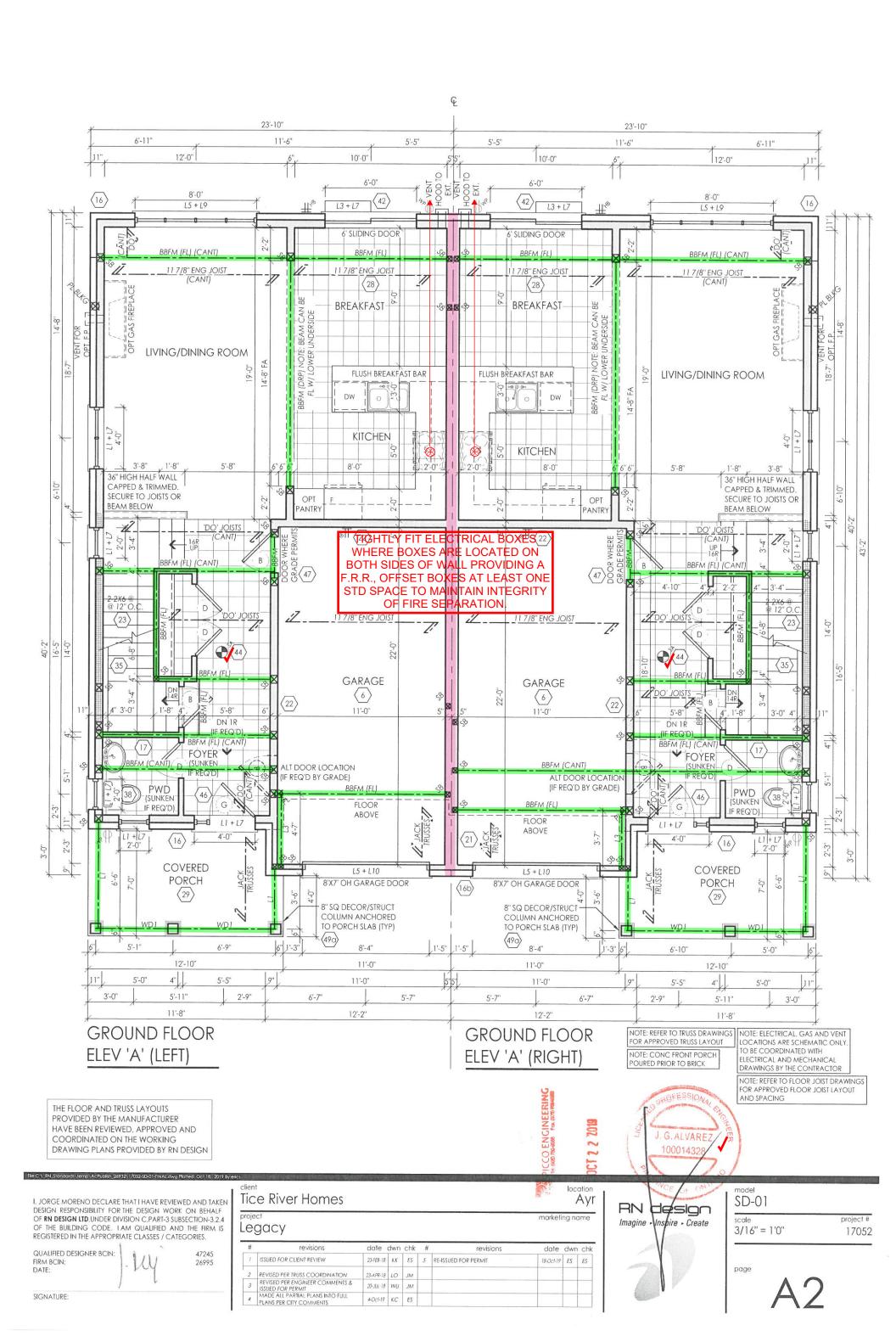
Ayr

OFESSION

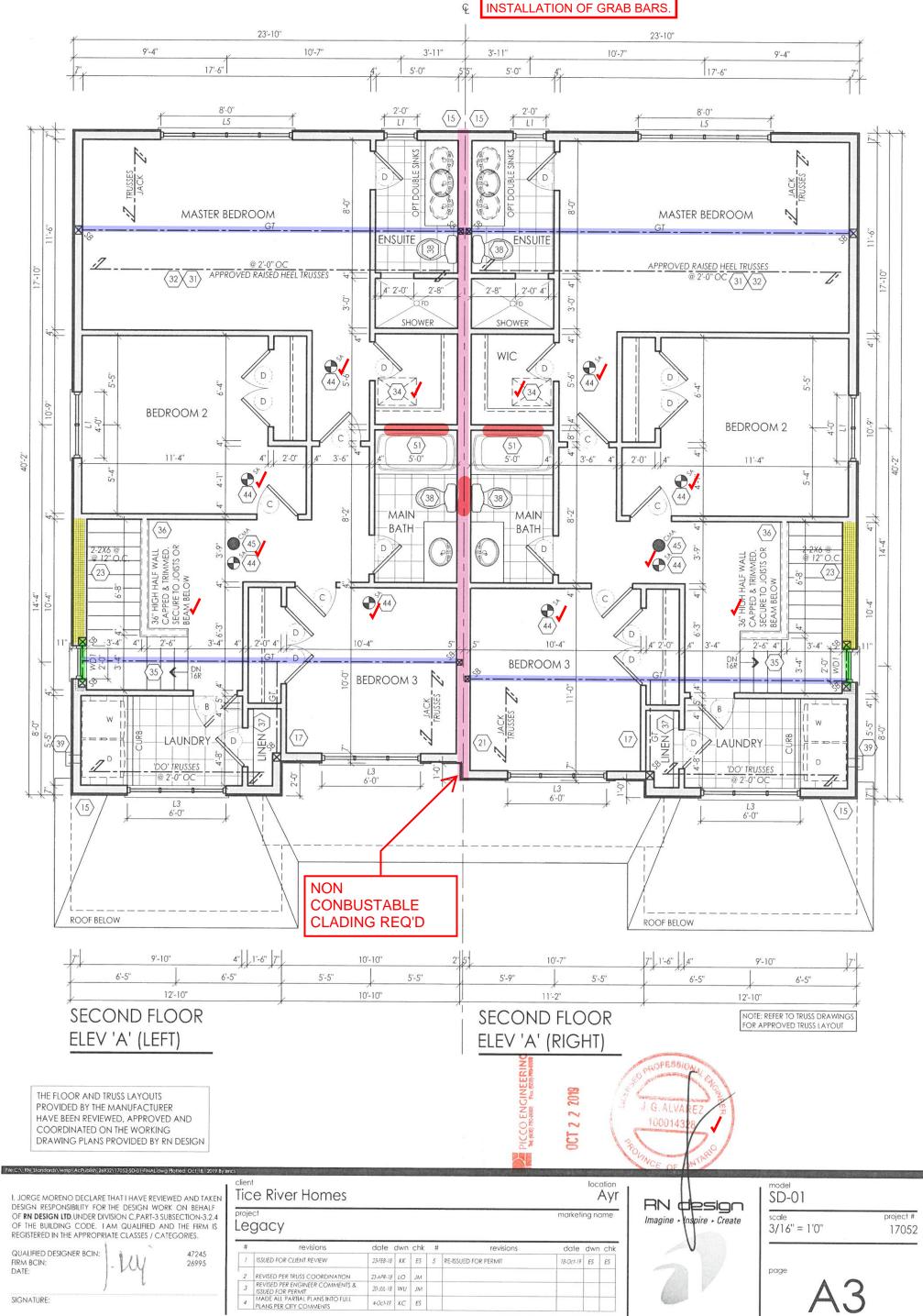
1000

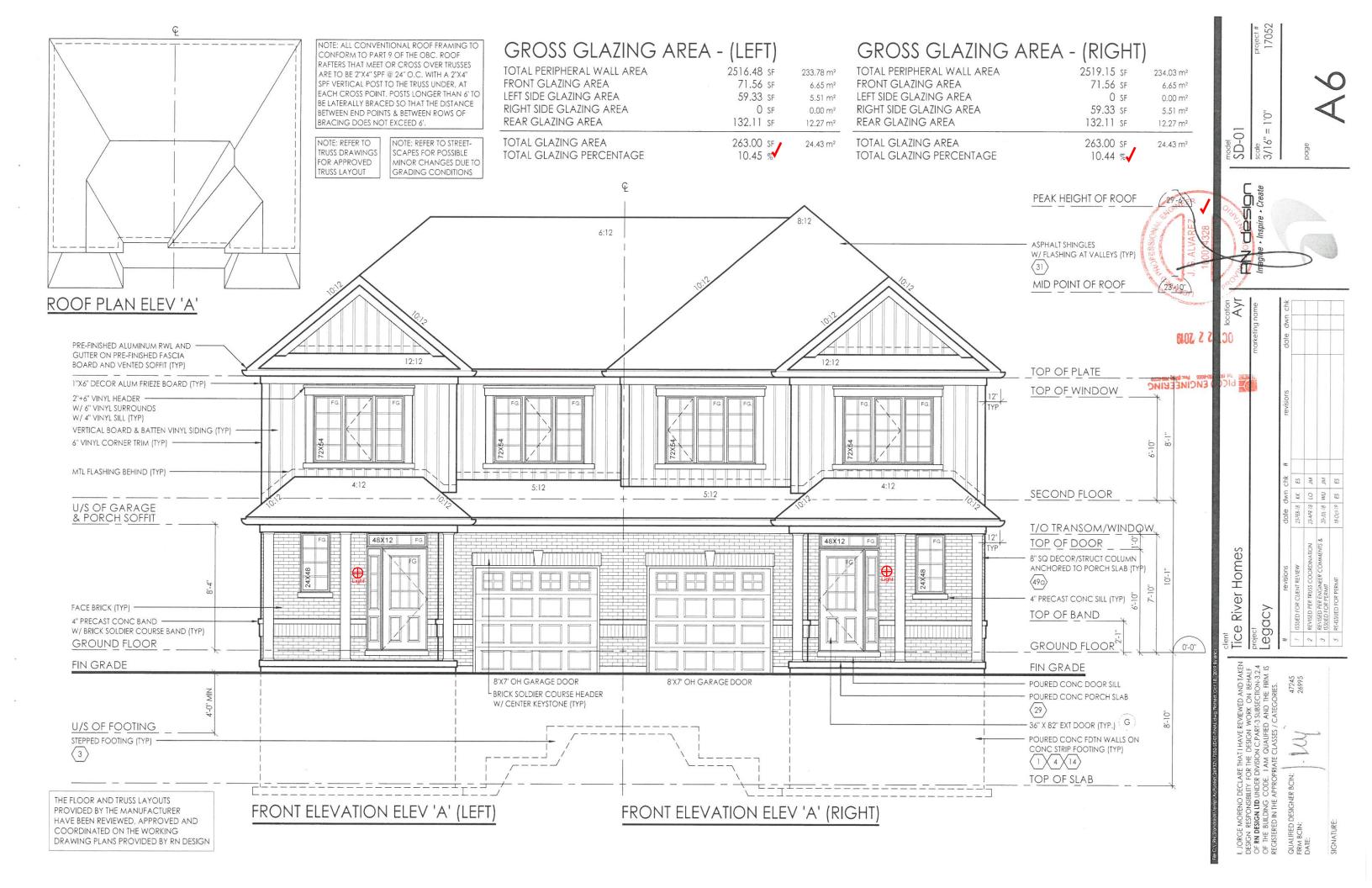
SD-01 project # 3/16" = 1'0" 17052 page

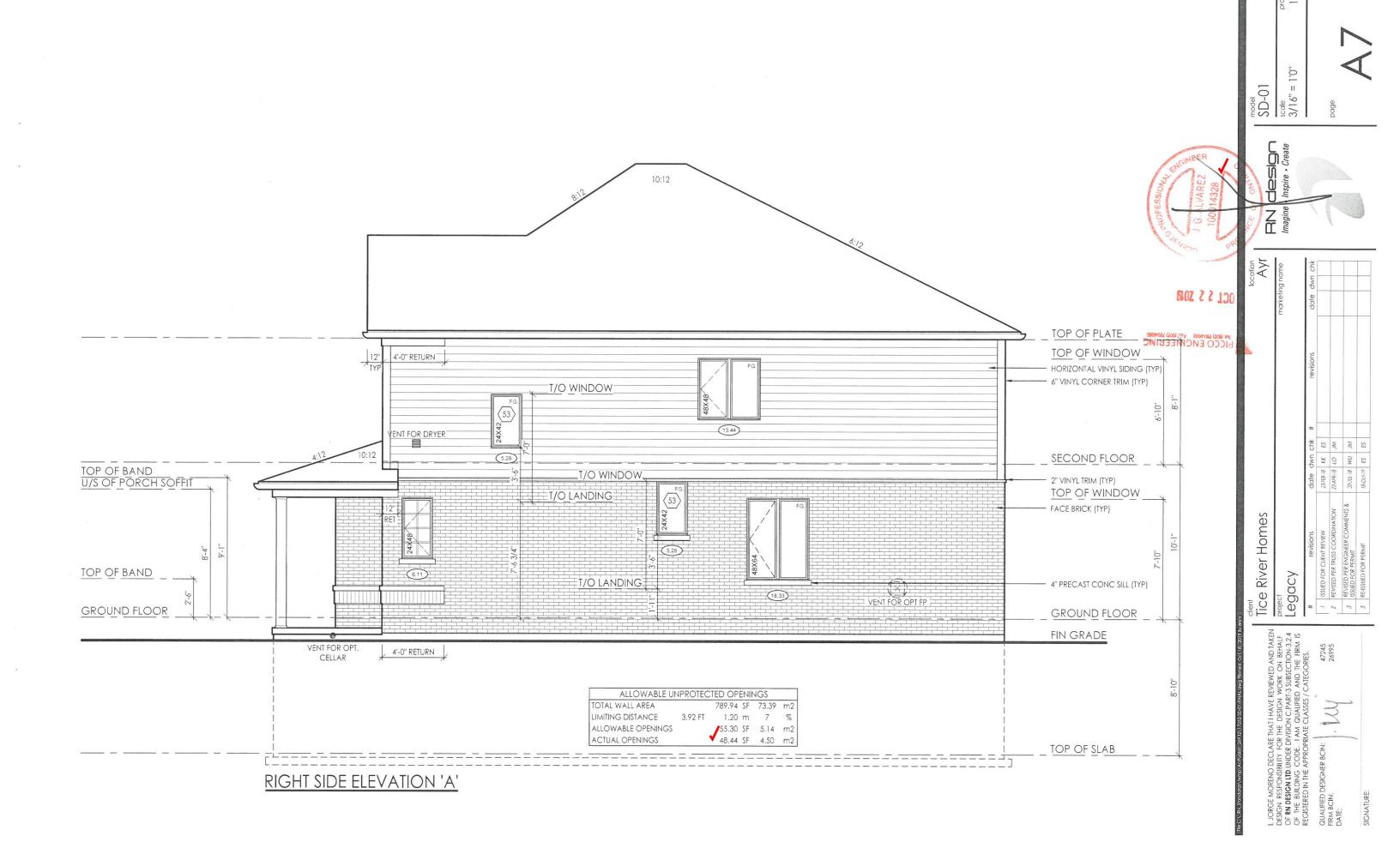


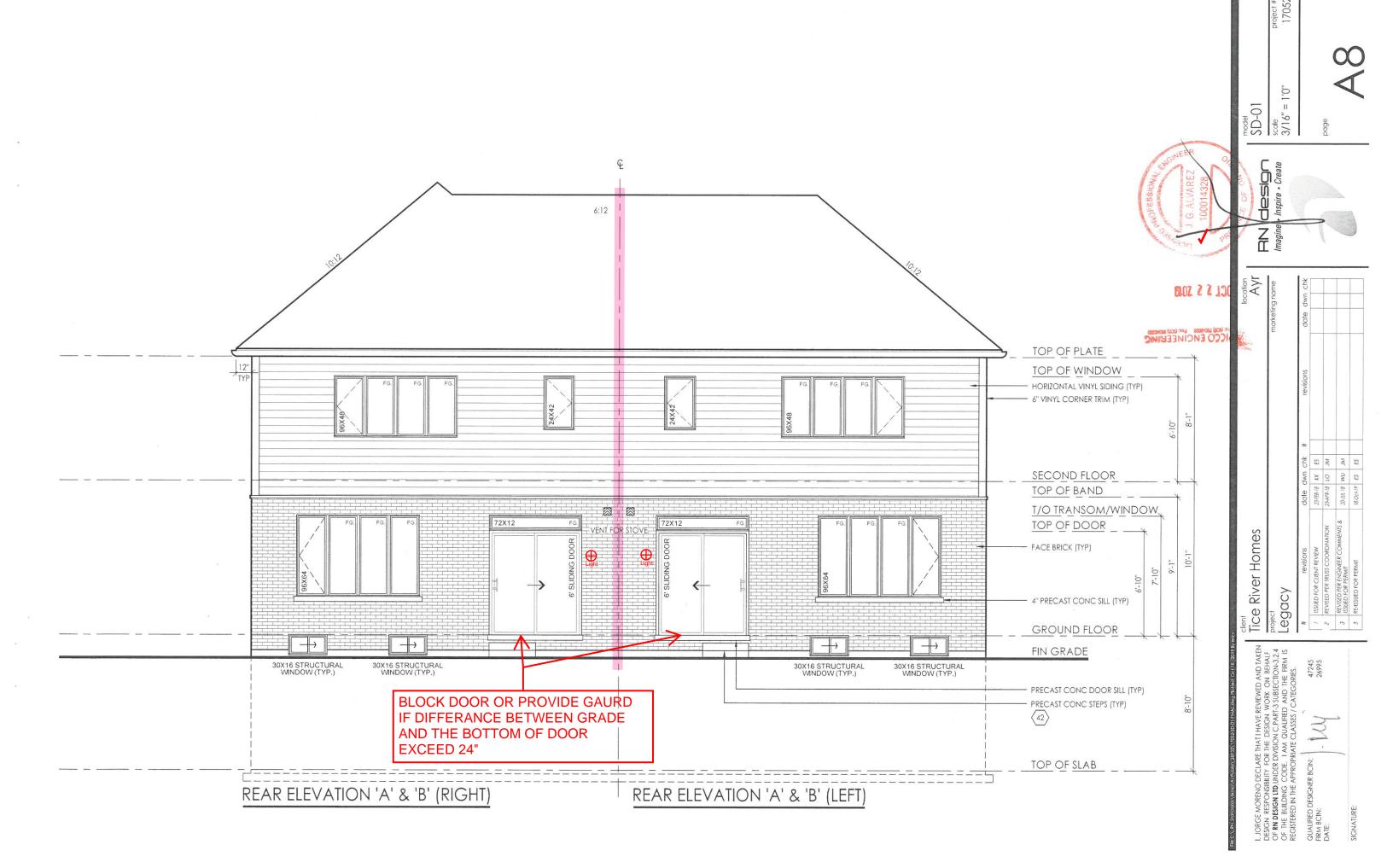


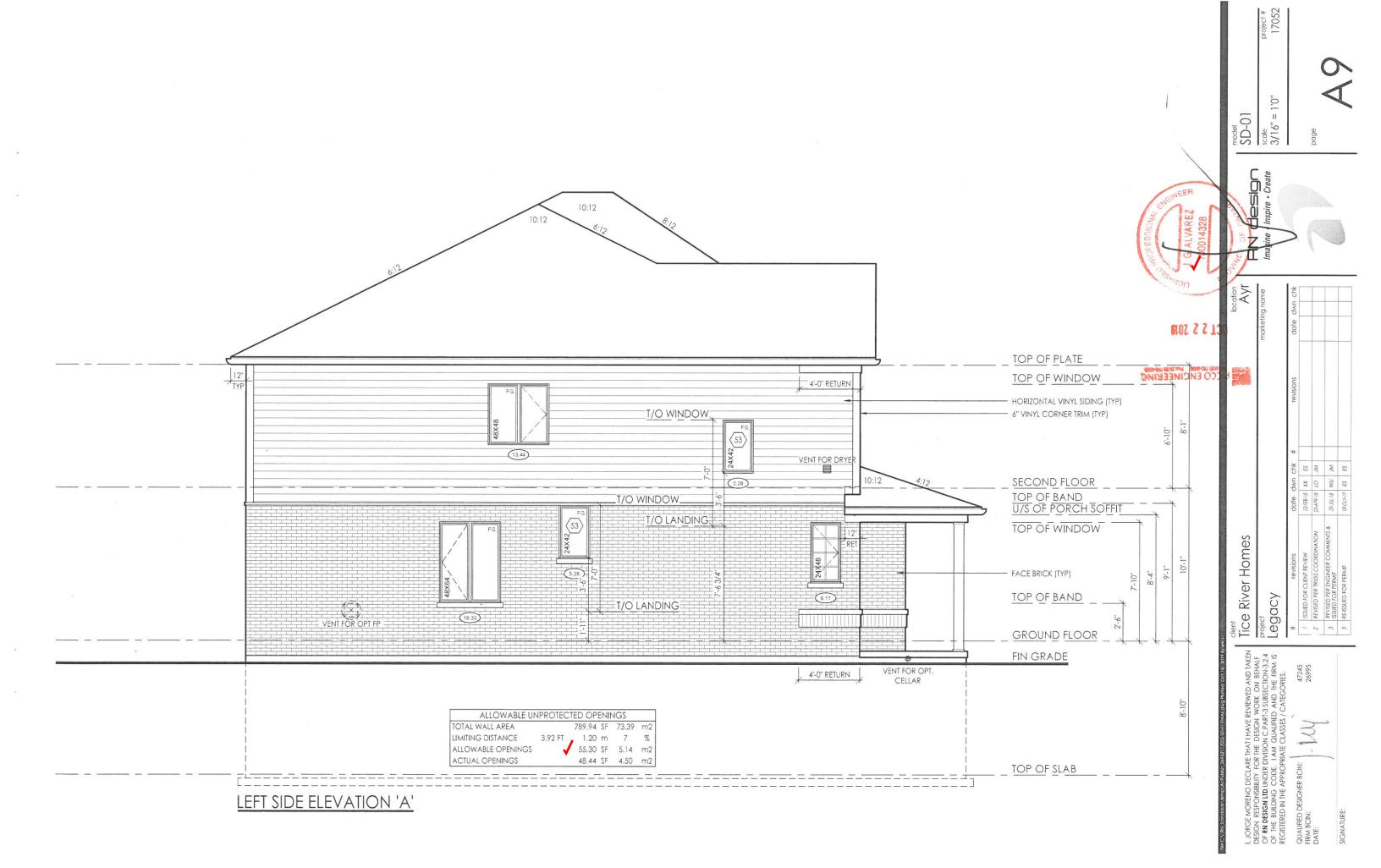
REINFORCEMENT REQUIRED IN
MAIN BATHROOM STUD WALLS
TO PERMIT THE FUTURE











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'-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)
-REFER TO WORKING DRAWINGS FOR SPECIFIC SIZES THAT MAY SUPERSEDE

NOTES #1 & #2 FOR FOOTING SIZES

1 TYPICAL STRIP FOOTING: (EXTERIOR WALLS)

O.B.C. 9.15.3.5. -FTG. TO EXTEND MIN. 4'-0" (1200mm) BELOW GRADE -1 STOREY - 13" X 4" -2 STOREY - 19" X 6" (330mm X 100mm) (485mm X 155mm) BRICK VENEER

(660mm X 230mm) -3 STOREY - 26" X 9"

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

2) TYPICAL STRIP FOOTING: (INTERIOR BEARING WALLS)

O.B.C. 9.15.3.6

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

3 STEP FOOTING:

O.B.C. 9.15.3.9. -23 5/8" (600mm) MAX. VERTICAL RISE & 23 5/8" (600mm) MIN. HORIZONTAL

4 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.

$\left\langle 5 \right\rangle$ BASEMENT SLAB:

O.B.C. 9.13. & 9.16. -3" (75mm) CONCRETE SLAB

-3 (751111) CONCRETE 38 DAYS - O.B.C. 9.16.4.5.
-DAMPPROOF BELOW SLAB W/ MIN, 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROLL ROOFING W /4" (100mm) LAPPED JOINTS.
-DAMPPROOFING 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

-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 (OBC SB-12 -

- 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)

$\langle 5a \rangle$ SLAB ON GROUND:

-3" (75mm) CONCRETE SLAB - O.B.C. 9.16.4.3.

-2200psi (15MPq) AFTER 28 DAYS - O.B.C. 9.16.4.5. -DAMPPROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMPPROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3600psi(25MPa)
COMPRESSIVE STRENGTH AFTER 28 DAYS

COMPRESSIVE SIRENGIA AFIER 28 DATS

R10 (RSI 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 & FTG.

-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO

- 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)

6 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.

7 PILASTERS: O.B.C. 9.15.5.3.

PILASTER
-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).

8 STEEL PIPE COLUMN:

O.B.C. 9.15.3.4. & 9.17.3.

-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" (152mmX 100mmx 6.35mm) STEEL BTM. PLATE -FOR WOOD BEAMS, MIN. 4"X4"X1/4" (100mmX 100mm X 6.35mm), STEEL TOP

& BTM, PLATES, OR TOP PLATE TO EXTEND MIN. WIDTH OF BEAM
-ADJUSTABLE COLUMNS TO CONFORM TO CAN//CGSB-7.2-M WHERE IMPOSED LOAD DOES NOT EXCEED 36 KN (O.B.C. 9.17.3.4.) FTG SIZE:

2 STOREY

- 34" X 34" X 16" - (860mmX 860mmX 400mm) -MAX. 9'-10" (2997mm)

-MAX, 16'-0" (4880mm)

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

♦ CLIENT SPECIFIC REVISIONS

I, JORGE MORENO 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.

AMMENDMENT O. REG.

Tice River Homes Ayr Legacy

date dwn chk revisions revisions date dwn chk ISSUED FOR CLIENT REVIEW 23-FEB-18 KK ES REVISED PER TRUSS COORDINATION 23-APR-18 LO JM REVISED PER ENGINEER COMMENTS & ISSUED FOR PERMIT 20-JUL-18 WU JM

9 WOOD COLUMN:

OBC 9.17.4.1, 9.17.4.2, & 9.17.4.3.

-5 ½" x 5 ½" (140mm x 140mm) SOLID WOOD COLUMN - OR
-3-2"x6" (38mm x 140mm) BUILT UP COLUMN NAILED TOGETHER W/ 3" (76mm)
NAILS SPACED NOT MORE THAN 12" (300mm) APART OR BOLTED TOGETHER W/
3/8"(9.52mm) 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) -25"x25"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)

WALL ASSEMBLIES:

(14) 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.- T.9.15.4.2.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 (RSI 3.52) CONTINUOUS INSULATION FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF

BASEMENT (ZONE 1 OBC SB-12 T.3.1.1.2.A.)
- ALTERNATE INSULATION METHOD: 2" (51mm) R10 (RSI 1.76)RIGID INSULATION W/ 2"x4"(38mm x 89mm) WOOD STUD W/R12 (RSI 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.

THAN 3-1/2 (90mm) IHICK.

"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 WALL IS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE

MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK

DAMPPROOFING & WATERPROOFING:

-DAMPPROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C.

-WHERE INSULATION EXTENDS TO MORE THAN 2'-11" (900mm) BELOW GRADE A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 9.14.2.1.(2) (3) (4)

FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.2.6.(2)(b) --WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS PER O.B.C. 9.13.3.
--WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMPPROOFING.

(140) 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.

FRAME WALL CONSTRUCTION:

BE SPACED @ 12" (300mm) O.C.

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.)
-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. 9.23.16. -2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C. -MIN. R22 (RSI 3.87) INSULATION (ZONE 1. OBC SB-12 T.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. T.9.23.10.1. = -FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO

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

-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-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURER'S SPECIFICATIONS).

-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.

15b 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.)
-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.

-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C.

-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. T.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):

FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD

THE FOLLOWING MATERIALS:

-ADD ABSORPTIVE MATERIALS: -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-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO

MANUFACTURER'S SPECIFICATIONS). 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.

16 BRICK VENEER CONSTRUCTION:

O.B.C. 9.23.

-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX.

-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

-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.

9,23,16 -2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C. -MIN. R22 (RSI 3,87) INSULATION (ZONE 1, OBC 58-12 T,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. T.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. SB-3 WALL = EW16 (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.

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. (2010) II JAFAGE - 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.

-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C -1/2" (12.7mm) GYPSUM BOARD NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - 0.B.C. T.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. SB-3 WALL = EW16 (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. T.9.23.10.1

-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. OR -2" X 6" (38mmX 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.

BEARING STUD WALL (BASEMENT): -2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. OR

-2" X 6" (38mmX 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 DAMPPROOFING 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

O.B.C. 9.10.11. & 3.1.10. & SB-3 WALL = B6e (STC = 57, FIRE = 2 HR) ONE FIREWALL IS REQUIRED FOR EVERY 6460 S.F. (600 SQ.M) OF BUILDING AREA, O.B.C. T.3.2.2.47.

-1/2" (12.7mm) GYPSUM BOARD W/TAPED JOINTS -2" X 2" (38mmX 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. 5" (130mm) @ 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 7/8" (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)

PARTY WALL - FOUNDATION: O.B.C. 9.15.4.2. -7 7/8" (200mm) SOLID CONC. FOUNDATION WALL @ 2200psi (15MPa)

COMPRESSIVE STRENGTH AFTER 28 DAYS -FOUNDATION WALL TO REST ON FOOTING PER GENERAL NOTE #2

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"X4" (38mmX 89mm) STUDS @ 16" (400mm) O.C. W/ SEPARATE

2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 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 & -ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1) NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.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. · IF 2"x6" STUDS ARE USED AT STAIR OPENING CONTINUE TO USE ON REMAINING FLOORS AT THE STAIR OPENING AT 16" O.C.



AWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE VERIFIED Y CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK REPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN LTD



model SD-01 project # scale 3/16" = 1'0"

17052

page

SIGNATURE

FIRM BCIN:

QUALIFIED DESIGNER BCIN:

18-Oct-19 ES RE-ISSUED FOR PERMIT ES marketing name

location

~

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,

-R22 (R31 3.67) 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 ENCROACH MIN. REQUIRED GARAGE AREA (REFER TO MUNICIPAL STANDARDS).

-1/2" (12.7mm) GYPSUM BOARD

-1/2 (12.7mm) GTESUM 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 RIM JOIST WITH 3 1/4" (82mm) NAILS AT 7 7/8" (200mm) O.C.

220 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" (38mmx 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 OBC SB-12 T.3.1.1.2.A.) -CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH O.B.C. 9.25.3. & 9.25.9.

24 EXPOSED 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

240 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. 9.20.8.2. -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. -6" SILL W/ 2" BEARING ON EACH SIDE & ANCHOR BOLLS & 4-0 CO.

NOTE: MASONRY TO BE SOLID & MORTAR JOINT FILLED SOLID FOR FLOOR

JOISTS BEARING ON WYTHES. FLOOR JOISTS ARE NOT TO PROJECT INTO CAVITY (34)

ATTIC ACCESS HATCH:

(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. -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 COMPRESSING, 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" (19mmX 64mm) NAILED TO U/S OF JOISTS @ MAX. 6'-11" (2100mm) O.C. -FASTENED TO SILL OR HEADER @ ENDS

b) BRIDGING -1" X 3" (19mmX 64mm) OR 2" X 2" (38mmX 38mm) CROSS BRIDGING @ MAX.

6'-11" (2100mm) O.C. c) BRIDGING & STRAPPING - a) & b) USED TOGETHER OR

-1 1/2" (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) WAFERBOARD (R-1 GRADE) OR EQUIVALENT -FLOOR JOISTS AS PER FLOOR PLANS

29 PORCH SLAB:

O.B.C. 9.39.1.4.

O.B.C. 9.39,1.14.

4 7/8" (125mm) 4650 psi (32 MPa) CONC. SLAB WITH 5 TO 8% AIR ENTRAINMENT -REINFORCE WITH 10M 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) 10M 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

ADD R31 (RSL 5.46) INSULATION RETWEEN 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.-T.9.29.5.3.)

300 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

celling area; -ADD R31 (RSI 5.46) insulation between joists -ADD Continuous air/vapour barrier in conformance W/ O.B.C. 9.25.3.

-ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR -ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

♦ CLIENT SPECIFIC REVISIONS

ROOF ASSEMBLIES

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.

-51ARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS

-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S

-TRUSS BRACING AS PER TRUSS MANUFACTURER -EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM] -ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.

 $\langle 32 \rangle$ CEILING:

-R60 (RSI 10.56) INSULATION -CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3.

-1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR -5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

320 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 MIX. 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.

-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 "H" 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"X10" (38mm x 235mm) @ 16" O.C. W/ 2"X2" (38mm x 38mm) CROSS
PURLINS @ 24" O.C. MAX. SPAN 17:0" (5180mm)

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 12'-9'

-2 X6 (36HIFT) A FIGURE OF THE SET OF THE SE RAFTERS & MIN. 1 1/2" (38mm) THICK.

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.

GENERAL:

35 PRIVATE STAIRS:

O.B.C. 9.8.4. -MAX. RISE = 7-7/8 -MIN. RUN = 8-1/4 (210mm) -MIN. TREAD = 9-1/4 (235mm) -MAX. NOSING -MIN. HEADROOM (25mm) = 6'-5" (1950mm) -MIN. WIDTH = 2'-10"
(BETWEEN WALL FACES)

-MIN. WIDTH (900mm)

(EXIT STAIRS, BETWEEN GUARDS)
ANGLED TREADS: = 5 7/8" -MIN. RUN -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" (1100mr -ONE HANDRAIL IS REQUIRED ON CURVED STAIRS OF ANY WIDTH WITHIN **DWELLING UNITS**

-HANDRAILS ARE TO BE CONTINUOUS EXCEPT WHERE INTERRUPTED BY DOOR WAYS, LANDINGS OR POSTS AT CHANGES IN DIRECTION

HEIGHT: O.B.C. 9.8.7.4

- 2'-10" (865mm) 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 STEP STRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INTO THE REQUIRED WIDTH OF THE STAIR

(350) PUBLIC STAIRS: -MAX. RISE = 7-3/32" (180mm) -MIN. RUN (280mm) -MIN. TREAD = 11" (280mm) (25mm) (2050mm) -MAX. NOSING -MIN. HEADROOM = 2'-11" -MIN. WIDTH (900mm)

(EXIT STAIRS, BETWEEN GUARDS)

-FINISHED RAILING ON WOOD PICKETS MAX. 4" BETWEEN PICKETS -FOUND, WALL REQUIRED WHEN NUMBER OF RISERS EXCEEDS: -FTG. FOR FOUND. WALL TO BE MIN. 4'-0" (1220mm) BELOW GRADE

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) -TWO HANDRAILS ARE REQUIRED ON CURVED STAIRS OF ANY WIDTH -HANDRAILS ARE TO BE CONTINUOUS INCLUDING AT LANDINGS EXCEPT WHERE INTERRUPTED BY DOOR WAYS OR NEWEL POSTS AT CHANGES IN

HEIGHT: O.B.C. 9.8.7.4

- 2"-10" (865mm) 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 STEP 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

O.B.C. 9.8.9.6 -TREADS ARE TO BE WEAR AND SLIP RESISTANT, SMOOTH, EVEN AND FREE FROM DEFECTS PER OBC 9.8.9.6.(4)

- STAIRS AND RAMPS SHALL HAVE A COLOUR CONTRAST OR DISTINCTIVE VISUAL PATTERN TO DEMARCATE 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
-GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH

360 EXTERIOR GUARDS:

O.B.C. SB-7 & 9.8.8.3. -GUARDS ARE REQUIRED WHEN WALKING SURFACE TO GRADE IS GREATER THAN

-GUARDS TO BE 3'-6" (1070mm) -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 5'-11" (1800mm) ABOVE ADJACENT GRADE.
-PICKETS TO HAVE 4" (100mm) MAX. SPACING
-PROVIDE MID-SPAN POSTS AS PER SB-7.

-GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH

36b EXTERIOR GUARDS @ JULIET BALCONY:

-FOR RAILING SPANNING MAXIMUM OF 6'-0". -PROVIDE PREFIN. METAL RAILING W/ 76mm VERTICAL OPENING TO

-FROVIDE PREFILM. METAL RAILING W/ 76mm VERTICAL OPENING TO CONFORM WITH O.B.C. APPENDIX A-9.8.8.5.
-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 ROWS OF 3/8"Ø MIN. ANCHOR BOLTS EQUALLY SPACED WITH 3" MIN. EMBEDMENT TO STUDS.

-PROVIDE SAME ANCHOR BOLTS @ 36" O.C. FOR BASE PLATE CONNECTION.

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

38) -Washrooms to be mechanically vented to provide at least one alr change per hour, o.b.c.- 9.32.1.3.(3)

(39) -CAPPED DRYER VENT

 $\langle 40 \rangle$ -1"X2" (19mmX38mm) BOTH SIDES OF STEEL.

-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.B.C.- 9.10.19. SMORE ALARM, O.B.C.- 9.10.19.

-PROVIDE 1 ON EACH FLOOR INCLUDING BASEMENTS
-PROVIDE 1 IN EACH BEDROOM
-PROVIDE 1 IN EACH HALLWAY SERVICING BEDROOMS
-INSTALLED AT OR NEAR CEILING
-ALARMS TO BE CONNECTED IN CIRCUIT AND INTERCONNECTED SO ALL

-ALARMS WILL BE ACTIVATED IF ANY ONE OF THEM SOUNDS AND HAVE A VISUAL SIGNALLING COMPONENT -ALARMS MUST BE HARDWIRED AND HAVE AN ALTERNATE POWER SOURCE THAT CAN POWER ALARM FOR 7 DAYS, FOLLOWED BY 4 MINUTES OF ALARM

. 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

-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

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

-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

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.

ALVAREZ

AMNOS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK. ANY DIS CREPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN LTD

nodel

RN design Imagine - Inspire - Create

location

marketing name

Ayr

SD-01 project # scale 3/16" = 1'0" 17052 page

I, JORGE MORENO 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.

File C:_RN_Standards\temp\AcPublish_26932\17052-SD-01-FINAL.dwg Plotted: Oct 18, 2019 By:erics

QUALIFIED DESIGNER BCIN: FIRM BCIN: DATE:

SIGNATURE



Legacy

date dwn chk ISSUED FOR CLIENT REVIEW 23-FEB-18 KK ES REVISED PER TRUSS COORDINATION REVISED PER ENGINEER COMMENTS & ISSUED FOR PERMIT 23-APR-18 LO JM 20-JUL-18 WU JM RE-ISSUED FOR PERMIT

Tice River Homes

18-Oct-19 ES ES

-MIN. 6"X6" (140mm X 140mm) WOOD POST ANCHORED TO PORCH SLAB W/

-TOP PORTION OF POST CLAD W/ DECOR. SURROUND PER ELEVATION

-MASONRY VENEER SURROUND W/ PRECAST CONCRETE CAP. REFER TO ELEVATION DRAWINGS FOR PIER SIZE AND CAP HEIGHT -SURROUND TO BE TIED W/ METAL TIES @ 16" (400mm) O.C. VERT. INSTALLED

-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. -MASONRY PIER TO BE CONSTRUCTED SOLID W/ PRECAST CONCRETE CAP. REFER TO ELEVATION DRAWINGS FOR PIER SIZE AND CAP HEIGHT. NOTE: DECORATIVE STRUCTURAL COLUMNS MAY REPLACE 6" X 6" POST PROVIDED THAT THEY ARE IN CONFORMANCE WITH O.B.C. 9.17.4.

490 EXTERIOR COLUMN:

-MIN, 6"X6" (140mm X 140mm) WOOD POST CLAD W/ DECOR. SURROUND (PER ELEVATION DRAWINGS) ANCHORED TO PORCH SLAB W/

NOTE: DECORATIVE STRUCTURAL COLUMNS MAY REPLACE 6" X 6" ABOVE PROVIDED THAT THEY ARE IN ACCORDANCE WITH O.B.C. 9.17.4.

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 RSI 0.7) -INSULATE FULL HEIGHT OF INTERIOR BASEMENT WALL W/ R20 (RSI 3.52)

CONTINUOUS INSULATION (ZONE 1 OBC SB-12 T.3.1.1.2.A.)
- ALTERNATE INSULATION METHOD: 2" (51mm) R10 (RSI 1.76)RIGID INSULATION W/ 2"x4"(38mm x 89mm) WOOD STUD W/ R12 (RSI 2.11) BATT INSULATION

(51) 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.(3)(a)&(c) & 3.8.3.13.(2)(f) &

-GRAB BARS TO BE INSTALLED AS PER O.B.C. 9.8.7.7.(2)

 $\overline{\left(53\right)}$ window guards:

© STAIRS, LANDINGS & RAMPS - OBC 9.8.8.1.(8)
WINDOW SILL AT 3'-0" (900mm) OR GREATER DOES NOT REQUIRE GUARDS

© FLOORS - OBC 9.8.8.1.(6)
WINDOWS LESS THAN 1'-7" (480mm) ABOVE FLOORS WHERE ADJACENT GRADE IS GREATER THAN 5'-11" (1800mm) REQUIRE A GUARD PER OBC 9.8.8.2.

WINDOW TO BE NON-OPERABLE AND DESIGNED TO WITHSTAND LATERAL LOADS PER OBC 9.8.8.1.(8)(b)

FRAME CONSTRUCTION:

-ALL FRAMING LUMBER TO BE NO. 1 AND NO. 2 SPF UNLESS NOTED

ROOF LOADING 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 HEADER JOISTS AROUND FLOOR OPENINGS WHEN THEY ARE BETWEEN 3'-11" (1200mm) AND 10'-6" (3200mm)
-DOUBLE TRIMMER JOISTS WHEN HEADER JOIST LENGTH IS BETWEEN 2'-7" (800mm) AND 6'-7" (2000mm)

-DOUBLE JOISTS OR SOLID BLOCKING UNDER NON-LOAD BEARING PARALLEL PARTITIONS -BEAMS TO BE PLACED UNDER LOADBEARING WALLS WHEN WALLS ARE

PARALLEL TO FLOOR JOISTS -BEAMS MAY BE A MAX. 24" (600mm) FROM LOADBEARING 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

-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.

WATERPROOF WALLS IN BATHROOMS:

-REQUIRED AS PER OBC 9.29:2.1.

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

AN ENERGY RATING OF NOT LESS THAN 25 FOR WINDOWS

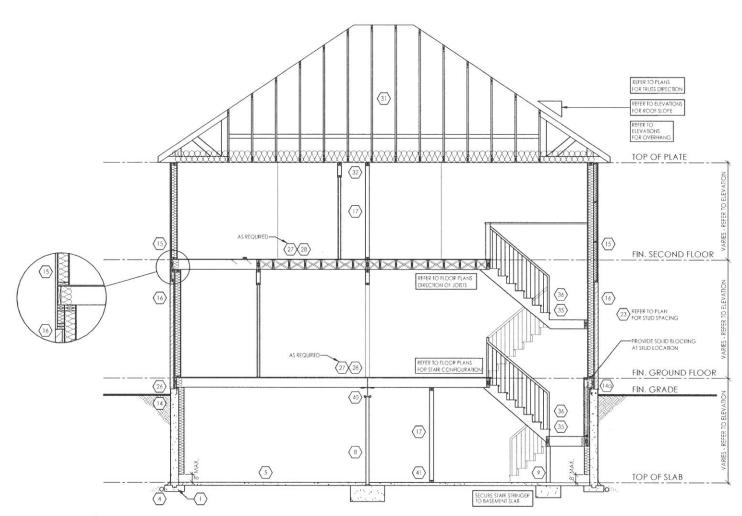
-BASEMENT WINDOWS WITH LOAD BEARING STRUCTURAL FRAME SHALL BE DOUBLE GLAZED WITH LOW-E COATING

-SKYLIGHTS SHALL HAVE AN OVERALL COEFFICIENT OF HEAT TRANSFER OF -FOR GROSS GLAZED AREAS LESS THAN AND EQUAL TO: 17%

DRAIN WATER HEAT RECOVERY:

- DWHR UNITS TO BE INSTALLED AS PER OBC SB-12 3.1.1,1.(22) & 3.1.1,12.

DWHR ARE REQUIRED IN ALL DWELLING UNITS TO RECEIVE DRAIN WATER FROM ALL SHOWERS OR FROM AT LEAST 2 SHOWERS WHERE THERE ARE 2 OR MORE SHOWERS PROVIDED THERE IS A CRAWL SPACE OR STOREY BELOW THE SHOWERS.



TYPICAL CROSS SECTION - 2 STOREY (SIDING & BRICK)

N.T.S.

♦ 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 RN DESIGN LTD

