### CONSTRUCTION NOTES: 150 ALTERNATE FRAME WALL CONSTRUCTION: COMPLIANCE PACKAGE A1 - OBC 2012 - 2022 ENACTMENT (UNLESS OTHERWISE NOTED) -ALL CONSTRUCTION TO CONFORM TO THE ONTARIO BUILDING CODE (O.B.C.) AND ALL OTHER CODES AND LOCAL AUTHORITIES AVING JURISDICTION. -ALL DIMENSIONS GIVEN FIRST IN IMPERIAL FOLLOWED BY METRIC. -THERMAL RESISTANCE VALUES BASED ON ZONE 1 FOOTINGS / SLABS: TYPICAL STRIP FOOTING: -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 FUL ♦ W/ MIN. 21.8psi (150kPa) 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 TYPICAL STRIP FOOTING: (EXTERIOR WALLS) -FTG. TO EXTEND MIN. 4'-0" (1200mm) BELOW GRADE PLEASE REFER TO FOOTING SCHEDULE IN BLOCK DRAWINGS 2 TYPICAL STRIP FOOTING: (INTERIOR BEARING WALLS) O.B.C. 9.15.3.6. PLEASE REFER TO FOOTING SCHEDULE IN BLOCK DRAWINGS 3 STEP FOOTING: O.B.C. 9.15.3.9 -23 5/8" (600mm) MAX. VERTICAL RISE & 23 5/8" (600mm) MIN. HORI7ONTAI 4 DRAINAGE TILE OR PIPE: O.B.C. 9.14.3. & 9.16.3. -4" (100mm) MIN, DIA, LAID ON UNDISTURBED OR WELL COMPACTED SOIL V(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 MATER ILE SHALL DRAIN TO A SEWER, DRAINAGE DITCH, OR DRY WELL. 5 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. -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(25MPg) OMPRESSIVE STRENGTH AFTER 28 DAYS 4" (100mm) OF COURSE GRANULAR MATERIAL 2ROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FTG -WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO D.B.C. 9.13.3. FLOOR DRAIN PER O B C 9 31 4 4 RIO (RSI 1.76) INSULATION AT PERIMETER OF SLAB WHERE GRADE IS WITHIN 23-1/2" (600mm) OF BASEMENT SLAB EDGE. INSULATION TO EXTEND TO NC ESS THAN 23-1/2" (600mm) BELOW EXTERIOR GRADE LEVEL (OBC SB-12 .1.1.7 (5)) UNI FSS 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) (5g) 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 AMPPROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OF -DAMPFROOF BELOW SEAS W/ MIN, U.O.G. (U. SHITH) FOLTEINTENEOR TYPE'S' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS. -DAMPPROOFING MAY BE OMITTED IF CONCRETE HAS MIN, 3600psi(25MPa) OPENINGS OMPRESSIVE STRENGTH AFTER 28 DAYS -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 D.B.C. 9.13.3. FLOOR DRAIN PER O.B.C.9.31.4.4. NI ESS 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: 4650psi (32MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS FOR MODDA (DATH) COMMING INCLOSED AND TAKEN ADDATED AND TAKEN ADDATEN MATERIAL, SHALL BE COMPACTED. $\left< \frac{7}{7} \right> \frac{\text{PILASTERS:}}{2}$ 3.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. 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). $\langle 8 \rangle$ STEEL PIPE COLUMN: O.B.C. 9.15.3.4. & 9.17.3. -FIXED COLUMN -FIXED COLUMIN -MIN. 3 1/2" (POmm) 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 ISTABLE COLUMNS TO CONFORM TO CAN//CGSB-7,2-M WHERE MPOSED LOAD DOES NOT EXCEED 36 KN (O.B.C. 9.17.3.4.) COL. SPACING: FTG SIZE: -MAX. 9'-10" (2997mm) - 34" X 34" X 16" - 44" X 44" X 21 -MAX. 16'-0" (4880mm) - (1120mmX 1120mmX 530mm) -MAX. 9'-10" (2997mm) - 40" X 40" X 19" - (1010mmX 1010mmX 480mm) - 51" X 51" X 24" -MAX. 16'-0" (4880mm) 5mmX 1295mmX 610mm -WHERE COL, SITS ON FDN, WALL, USE 4" X 8" X 5/8" (100mmX 200mmX 6mm) STEEL PLATE WITH 2-5/8" (16mm) ANCHOR BOLTS 9 WOOD COLUMN: OBC 9,17,4,1, 9,17,4,2, & 9,17,4,3, -5 %" x 5 %" (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 STI 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) **BLOCK PARTY WALL BEAM END BEARING: (WOOD BEAM / GIRDER TRUSSES)** -2"X8"X12" LEDGER BOARD FASTENED W/ 2/ 1/2" ANCHOR BOLTS @ 4" O.C. -WHERE WOOD BEAMS BEAR ON FIREWALLS USE GENERAL NOTE 11 WHERE REQUIRED TO OBTAIN 5" SEPARATION DISTANCE BETWEEN ADJACENT BEAMS BLOCK PARTY WALL BEAM END BEARING: (STEEL BEAM) 12"X11"X 5/8" STL. PLATE ON TOP OF SOLID CONCRETE BLOCK WITH 2- 1/2"Ø x8" ANCHOR BOLTS. JSE TO OBTAIN 5" SEPARATION DISTANCE BETWEEN ADJACENT BEAMS 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 -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 HEIGH -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 TERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JOISTS. -FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE 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 TION METHOD: 2" (51mm) R10 (RSI 1.76) RIGID INSULATION W/ "x4"(38mm X 89mm) WOOD STUD W/ R12 (RSI 2.11) BATT INSULATION BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL REDUCTION OF THICKNESS: -WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS [HAN 3-1/2" (90mm) THICK. TIE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7 7/8" (200mm) VERTICALLY O.C. & 2'-11' (200mm) 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) INISHED BASEMENTS SHALL HAVE INTERIOR DAMPPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.2.5.(2) [L -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. 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" OPE -BARS STACKED VERTICALLY AT INTERIOR FACE APPROX 4" TO 6" APART. -BARS TO HAVE MIN. 2" (50mm) CONCRETE COVE BARS TO EXTEND 2'-0" (600mm) BEYOND BOTH SIDES OF OPENING. 15 FRAME WALL CONSTRUCTION: SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED (19b) FIREWALL: GRADE (O.B.C. 9.28.1.4. & 9.27.) WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2. 4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16. MIN. R22 (RSI 3.87) INSULATION (ZONE 1. OBC SB-12 T.3.1.1. ONTINUOUS 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 = EW2c (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING BATT INSULATION REQUIRES A MASS OF AT LEAST 1.0 kg/ sq.m REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 5/8" (15.9mm) 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 NUFACTURER'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

#### -MIN. 1HR FIRE-RESISTANCE RATING CON FOOTINGS TO THE U/S OF ROOF DECK CO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHEE SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 / 78" (200mm) FROM FINE SRADE (O.B.C. 9.28.1.4. & 9.27.) 1 1/2" (38mm) R8 (RSI 1.41) RIGD INSULATION W/ TAPED JOINTS (O.B.C. -FLANKING FLOOR ASSEMBLIES TO COMPLY WITH OBC 9.11.1.4.(4) 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 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 WOO BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR (38mmX 89mm) TOP PLATES SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF L LENGTH OF WALL. -2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. @ 12" (300mm) O.C. -5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & N BOTTOM FLR. WHEN 3 STOREYS. -R14 (R3) 2.46) INSULATION -CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & -ACOUSTICAL SEALANT AS PER O.B.C. SB-3 NOTE (4) 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. 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 -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 -FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE -FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE ON REMAINING FLOORS AT THE STAIR OPENING AT 16" O.C. REQUIRED TO BE SPACED @ 12" (300mm) O.C REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE): (22) GARAGE WALL & CEILING: O.B.C. SB-3 WALL = EW2c (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 -BATT INSULATION REQUIRES A MASS OF AT LEAST 1.0 kg/ sq.m. -REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 5/8" (15.9mm) TYPE 'X' GYPSUM BD. 22 (RSI 3.87) INSULATION IN WALLS 9.25.3. & 9.25.4.. FOR FLOOR ABOVE. 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 ON EXTERIOR SIDE OF RIGID INSULATION WALLS ADJACENT TO ATTIC SPACE: 2.25.3. & 9.25.4. -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. -R22 (RSI 3.87) INSULATION ON ATTIC SIDE. /4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. DOUBLE VOLUME WALLS: 'X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. /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. 7 7/8" (200mm) O.C REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE): O.B.C. SB-3 WALL = EW2C (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD 9.25.3. & 9.25.9. THE FOLLOWING MATERIALS: ADD GLASS FIBRE BATT TO FILL CAVITY WITH A MASS OF AT LEAST EXPOSED FLOOR: OOR AS PER NOTE # 28 1.0 kg/ sq.m. REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 5/8" (15.9mm) TYPE 'X' GYPSUM BD. -R31 (RSI 5.46) INSULATION -VENTED ALUMINUM SOFFIT REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE): -REFER TO REQUIREMENTS FOR LESS THAN 4'-0" LIMITING DISTANCE AND SUNKEN FINISHED AREAS: ADD/REPLACE THE FOLLOWING: NON-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO ANUFACTURER'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 DOUBLE MASONRY WYTHE WALL: EXTERIOR PLYWOOD OR EQUIV. BRICK VENEER CONSTRUCTION: 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 IRAPS @ MAX. 16" (406mm) O.C. HORIZONTAL & 24" (610mm) O.C. /ertical spacing .provide weep holes @ 2'-7'' (800mm)O.C. @ BTM. Course & Over (25a) CORBEL MASONRY VENEER: -BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING -BASE FLASHING UF 105 //6 (1301111) BENIND WALL SHEATHI MEMBRANE (O.B.C. 9.20.13.6.(2)) -BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER FLOOR ASSEMBLIES: 26 SILL PLATE: " (25mm) AIR SPACE WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2. O.B.C. 9.23.7. 4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 23.16 ' X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C. -WIN. R22 (SIS 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 FULL BED OF MORTAR. NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. = BRIDGING & STRAPPING: -FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE D.B.C. 9.23.9.4. REQUIRED TO BE SPACED @ 12" (300mm) O.C. a) STRAPPING REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE): O.B.C. SB-3 WALL = EW2b (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS: -BATT INSULATION REQUIRES A MASS OF AT LEAST 1.0 kg/ sq.m. -REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD. 6'-11" (2100mm) O.C. c) BRIDGING & STRAPPING - a) & b) USED TOGETHER OR ALTERNATE BRICK VENEER CONSTRUCTION: O.B.C. 9.23. 3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. d) FURRING OR PANEL TYPE CEILING MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS ATTACHED DIRECTLY TO JOISTS. @ MAX. 16" (406mm) O.C. HORIZONTAL & 24" (610mm) O.C. VERTICAL 28 FLOOR ASSEMBLY: -PROVIDE WEEP HOLES @ 2'-7" (800mm)O.C. @ BTM. COURSE & OVER -FLOOR JOISTS AS PER FLOOR PLANS BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE PORCH SLAB: O.B.C. 9.20.13.6.(2)) O.B.C. 9.39.1.4. BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER " (25mm) AIR SPACE 1/2" (38mm) R8 (RSI 1.41) RIGID INSULATION W/ TAPED JOINTS (O.B.C. 2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. @ 12" (300mm) C. ON BOTTOM FLR. WHEN 3 STOREYS ARACE W/ CONT. 16 GAUGE STEEL 'T BRACES FROM TOP PLATE TO BTM. PLATE FOR THE FULL LENGTH OF WALL, OR -CONT. 2" X 4" (38mm 89mm) SOLID WOOD BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL WALLS NOT TO EXCEED 8'-2" -R14 (RSI 2.46) INSULATION TINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 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. ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE EXTERIOR GUARD AS PER #36a REQUIRED TO BE SPACED @ 12" (300mm) O.C. REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE): O.B.C. SB-3 WALL = FW2c (STC = N/A. FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD he following materials: ADD 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 2.23.16. BETWEEN RIGID INSULATION AND WOOD STUD BATT INSULATION REQUIRES A MASS OF AT LEAST 1.0 kg/ sg.m REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 5/8" (15.9mm) TYPE 'X' GYPSUM BD. BRICK VENEER CONSTRUCTION @ GARAGE: 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. 16" (406mm) O.C. HORIZONTAL & 24" (610mm) O.C. RTICAL SPAC 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. & 9.25.4. 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 'X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. /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 REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE): O.B.C. SB-3 WALL = EW2b (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD ADD GLASS FIBRE BATT TO FILL CAVITY WITH A MASS OF AT LEAST lob Gg/ sq.m. RFPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD. <u>INTERIOR STUD WALLS:</u> O.B.C. T.9.23.10.1 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. OR " 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 /2" (12.7mm) GYPSUM BOARD BOTH SIDES. $/_{22}$ CEILING: BEARING STUD WALL (BASEMENT): " X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. O 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. (12.7mm) GYPSUM BOARD BOTH SIDES " (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C. OTING AS PER GENERAL NOTE #2 W/ 4" CONC. CURB ARTY WALL - BLOCK: O.B.C. SB-3 WALL = B6e (STC = 57, FIRE = 2 HR) MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS O THE U/S OF ROOF DECK LANKING FLOOR ASSEMBLIES TO COMPLY WITH OBC 9.11.1.4.(4) -SPACE BETWEEN TOP OF WALL & ROOF DECK SHALL BE TIGHTLY FILLED MINERAL WOOL OR NONCOMBUSTIBLE MATERIAL & CAULKED TO PREVENT MOKE PASSAGE CYPSUM BOARD W/ TAPED JOINTS BOTH SIDES "X 2" (38mmX 38mm) WOOD STRAPPING @ 24" (600mm) O.C. BOTH ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE 1/2" (190mm) HOLLOW BLOCK (NORMAL WEIGHT AGGREGATE TAGGER JOISTS & BEAMS MIN. 3 1/2" (90mm) @ PARTY WALLS AS PER D.B.C. 9.10.9.9.(1) & TABLE 2.1.1. SB-2 ACOUSTICAL SEALANT AS PER O.B.C. SB-3 NOTE (4) TO TABLE 1 (190) 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 (12.7mm) GYPSUM BOARD NTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. 2" X 6" (38mmX 140mm) WOOD STRAPPING @ 16" (400mm) O.C. R22 (RSI 3.87) 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 APE AND SEAL ALL JOINTS GAS TIGHT O.B.C. 9.10.11. & 3.1.10. & SB-3 WALL = B6e (STC = 57. FIRE = 2 HR) FIREWALL IS REQUIRED FOR EVERY 6460 S.F. (600 SQ.M) OF BUILDIN AREA, O.B.C. T.3.2.2.47 LANKING FLOOR ASSEMBLIES TO COMPLY WITH OBC 9.11.1.4.(4)

(12.7mm) GYPSUM BOARD W/ TAPED JOINTS -2" X 2" (38mmX 38mm) WOOD STRAPPING @ 24" (600mm) O.C. ON BOTH SIDES DUND ABSORPTIVE MATERIAL EACH SIDE FILLING 90% OF THE CAVITY /2" (190mm) CONC, BLOCK, MIN, 2 HR, FIRE-RESISTANT RATING VERY FIREWALL SHALL BE CONTINUOUS THROUGH ALL BUILDING STOREYS STAGGER JOIST & 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 (4) TO TABLE 1 -PROTRUDE PAST FASCIA @ EAVES W/ BRICK CORBELLING XTEND 5 7/8" (150mm) ABOVE ROOF SURFACES & HAVE ALUMINUM CAP W/ ROUGH 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: 7 7/8" (200mm) SOLID CONC. FOUNDATION WALL @ 2200psi (15MPa)

MPRESSIVE STRENGTH AFTER 28 DAYS

MAX. 7 7/8" (200mm) RISE NDATION WALL TO REST ON FOOTING PER GENERAL NOTE #2

## O.B.C. 9.10.9.16.(3) /2" (12.7mm) GYPSUM BOARD ON BOTH SIDES OF WALL & U/S OF CFILING BETWEEN HOUSE AND GARAG TAPE AND SEAL ALL JOINTS GAS TIGHT -CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C -INSULATION AROUND DUCTS AND PIPING NOT TO ENCROACH 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 JOIST WITH 3 1/4" (82mm) NAILS AT 7 7/8" (200mm) O.C IUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. -2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C. /2" (12.7mm) GYPSUM BOARD OR 1/4" (6mm) PLYWOOD SHEATHING TIC ACCESS TO BE PROVIDED AS PER O.B.C. 9.19.2.1. 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 -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 ( ONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4. -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. OOR STRUCTURE AS PER NOTE # 28. 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. -4" SILL PLATE REQUIRED FOR ROOF AND CEILING FRAMING MEMBERS -4" 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 -MASONRY VENEER TO BE CORBELLED AS PER O.B.C. 9.20.12.3.(1) -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" mm) INTO FOUNDATION WALL. SILL PLATE TO BE CAULKED, OR PLACED ON A LAYER NOT LESS THAN 1 THICK BEFORE COMPRESSING, OR FOAM GASKET, OR PLACED -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. /2" (38mm) SOLID BLOCKING @ MAX. 6'-11" (2100mm) O.C. USED WITH STRAPPING NOT REQUIRED IF FURRING STRIPS OR PANEL TYPE CEILING FINISH O.B.C. 9.23.14.3, 9.23.14.4 -5/8" (15.9mm) WAFERBOARD (R-1 GRADE) OR EQUIVALENT -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 1/4" (30mm) CLEAR COVER FROM THE BOTTOM OF THE SLAB -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 EXTERIOR BALCONY ASSEMBLY: -1 1/4" X 3 1/2" PRESSURE TREATED DECKING W/ 1/4" SPACING -2"X4" OR 2"X6" PURLINS (CUT DIAGONALLY) @ 12" O.C. LAYING UNFASTENED -2 PLY MODIFIED BITUMINOUS MEMBRANE ON 1/8" ROOF BOARD (2 LAYERS ASPHALT-SATURATED GLASS MAT WITH MINERAL-FORTIFIED ASPHALTIC CORE R MANUF SPECS. ON 5/8" (15.9mm) EXTERIOR GRADE PLYWOOD SHEAT 1 2"X4" OR 2"X6" PURLINS (CUT TAPERED) @ 12" O.C. DIRECTLY ON 2"X8" OOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN) MIN 2% TO ROOF SCUPPER REQUIRED FOR OVER HEATED SPACES: -ADD 2"x2" (38mm x 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR TION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF MBRANE ON 1/8" ROOF BOARD (2 LAYERS

21 PARTY WALL - WOOD STUD: O.B.C. SB-3 WALL = W13g (STC = 57, FIRE = 1 HR)

CONTINUOUS FROM TOP OF

-ADD R31 (RSI 5.46) INSULATION BETWEEN JOIST CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. DD 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.) EXTERIOR FLAT ROOF ASSEMBLY: 2 PLY MODIFIED BITUMINOUS MEMBRANE ON 1/8" KUUF BUAKU (2 LATENS ASPHALT-SATURATED GLASS MAT WITH MINERAL-FORTIFIED ASPHALTIC CORE) PER MANUF SPECS. 3/8" EXTERIOR GRADE PLYWOOD SHEATHING ON ON 2"X4" OR 2"X6" PURLINS (CUT TAPERED) @ 12" O.C. DIRECTLY ON 2"X8" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN) SLOPED MIN 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

CELLING AREA) ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR DD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.) ROOF ASSEMBLIES TYPICAL ROOF: O.B.C. 9.2

-NO. 210 (30, 5KG/m2) ASPHALT SHINGLES -FOR ROOF SLOPES EQUAL TO AND GREATER THAN 4:12 AND LESS THAN 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2-1 (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE ACE OF EXTERIOR WAL EAVES PROTECTION LAID BENEATH STARTER STRIP AVE PROTECTION NOT REQUIRED OVER UNHEATED SPACE ARTER STRIP AS PER O.B.C. 9.26.7.2. ARTER 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

PPROVED 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 -ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.

 -R60 (RSI 10.56) INSULATION UOUS 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 YPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.) 32a VAULTED OR CATHEDRAL CEILING: D.B.C. 9.26. & TABLE A4 -NO. 210 (30. 5KG/m2) ASPHALT SHINGLE -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 S THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL, VES PROTECTION LAID BENEATH STARTER STRIP. VE PROTECTION NOT REQUIRED OVER UNHEATED SPACES OR WHERE OOF SLOPES ARE 8:12 OR GREATER PER O.B.C. 9.26.5.1. ARTER STRIP AS PER O.B.C. 9.26.7.2. TARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3) 1/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS. 2"88" (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
- -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. 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"X4" (38mm X 89mm) COLLAR TIES AT MIDSPANS CEILING JOISTS TO BE 2" X 6" (38mmX 140mm) @ 16" (400mm) O.C & VALLEY RAFTERS TO BE MIN. 2" (50mm) LARGER THAN COMMON FTERS & MIN. 1 1/2" (38mm) THICK.
- ATTIC ACCESS HATCH: OBC 9.19.2.1. & SB-12 3.1.1.8.(1) -19 3/4" X 27 1/2" (500mm X 700mm) ATTIC HATCH WITH WEATHERSTRIPPING & BACKED W/ R20 (RSI 3.52) INSULATION

## GENERAL: $\begin{array}{c} \hline 35 \end{array} \xrightarrow{\text{PRIVATE STAIRS:}} \end{array}$

- O.B.C. 9.8.4. -MAX. RISE = 7-7/8" (200mm) = 10" = 11" = 1" -MIN. RUN (255mm) -MIN. TREAD (280mm) (25mm) -NOSING -MIN. HEADROOM = 6'-5" (1950mm) -MIN. WIDTH = 2'-10" (860mm) (BETWEEN WALL FACES) = 2'-11" (900mm) -MIN. WIDTH
- (EXIT STAIRS, BETWEEN GUARDS) TAPERED TREADS: (9.8.4.3.) = 5 7/8" (150mm) MIN. RUN -MIN. AVG. RUN\*\* = 10" (255mm) (\*\*MEASURE FROM 300mm FROM MIDPOINT OF INSIDE HANDRAIL -FINISHED RAILING ON WOOD PICKETS MAX. 4" BETWEEN PICKETS
- -EXTERIOR CONC. STEPS TO HAVE MIN. 11" (280mm) TREAD & -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

WELLING UNITS

HEIGHT: O.B.C. 9.8.7.4

PROJECTIONS: 0.B.C. 9.8.7.6

WIDTH OF THE STAIR

O.B.C. 9.8.4. -MAX. RISE

(350) PUBLIC STAIRS:

-MIN. RUN

MIN. TREAD

HANDRAILS:

HEIGHT: O.B.C. 9.8.7.4

PROJECTIONS: 0.B.C. 9.8.7.6

WIDTH OF THE STAIR

TERMINATION:

<u>FINISH:</u> O.B.C. 9.8.9.6

(360) EXTERIOR GUARDS:

9.8.8.2. OR

(39) -CAPPED DRYER VENT

WHERE INTERRUPTED BY DOOR WAYS

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

- 2'-10" (865mm) MIN\_TO 3'-6" (1070mm) MAX - 3'-6" (1070mm) WIRE 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

HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEP STRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INTO THE REQUIRED

= 7-3/32" (180mm) = 11" (280mm) = 12" (305mm) = 1" (25mm) (280mm) (305mm) (25mm) (2050mm) (900mm) MIN. INC. = 1 -NOSING = 1 -MIN. HEADROOM = 6'-9" = 2'-11" = 2'-11" (EXIT STAIRS, BETWEEN GUARDS) ED 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

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

- 2'-10" (865mm) MIN. TO 3'-6" (1070mm) 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

HANDRAILS ARE TO BE CONTINUOUS INCLUDING AT LANDINGS EXCEPT

NG AND THE BEGINNING AND END OF A RAMP

FOR WOOD GUARDS PROVIDE MID-SPAN POSTS AS PER SB-7

PICKETS TO HAVE 4" (100mm) MAX. SPACING

- HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEP STRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INTO THE REQUIRED

- ONE HAND RAIL SHALL EXTEND HORIZONTALLY NOT LESS THAN 11 3/4" (300mm) BEYOND THE TOP & BOTTOM OF EACH FLIGHT

DS 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. 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 STARS, RAMPS AND LANDINGS

-GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH 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 5'-11" (1800mm) ABOVE ADJACENT GRADE. PICKETS TO HAVE 4" (100mm) MAX, SPACING

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

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.

-FOR DWELLING UNITS GUARDS TO BE 3'-6" WHERE FLOOR TO CRADE 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.

PROVIDE SAME ANCHOR BOLTS @ 36" O.C. FOR BASE PLATE CONNECTION. -LINEN CLOSET 4 SHELVES MIN. 1'-2" (350mm) DEEP WASHROOMS TO BE MECHANICALLY VENTED TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR, O.B.C.- 9.32.1.3.(3)

 $\langle 40 \rangle$  -1"X2" (19mmX38mm) BOTH SIDES OF STEEL. -WOOD FRAMING MEMBERS SUPPORTED ON CONCRETE IN CONTACT OOD FRAMING MEMBERS SUPPORTED ON CONCRETE IN CONTRACT
 OWTOOD FRAMINE BEPRESSURE 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. -PROVIDE 1 ON EACH FLOOR INCLUDING BASEMENTS -PROVIDE 1 IN EACH BEDROOM -PROVIDE 1 IN EACH HALLWAY SERVICING BEDROOMS

-INSTALLED AT OR INALLWAY 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 ISGNALLING 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

47 -GARAGE MAN DOORS TO BE GAS PROOFED WITH SELF CLOSER, WEATHERSTRIPPING THRESHOLD & DEAD BOLT PER O B C 9 10 13 ERSTRIPPING, THRESHOLD & DEAD BOLT PER O.B.C. 9,10,13,15  $\overline{48}$  -travel from a floor level to an exit or egress door shall be TED TO ONE FLOOR EXCEP WHERE THAT FLOOR LEVEL HAS ACCESS TO A BALCONY

IFRE THAT FLOOR LEVEL HAS A WINDOW PROVIDING AN 2) Where that FLOOR LEVEL has A WINDOW FROUNDS 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.

(19) EXTERIOR COLUMN W/ MASONRY PIER: -MIN. 6"X6" (140mm X 140mm) WOOD POST ANCHORED TO PORCH SLAB W/ IOP PORTION OF POST CLAD W/ DECOR. SURROUND PER ELEVATION -MASONRY VENEER SURROUND W/ PRECAST CONCRETE CAP. REFER TO

LEVATION DRAWINGS FOR PIER SIZE AND CAP HEIGHT.

EXTERIOR COLUMN:

 $\overline{(50)}$  <u>COLD CELLARS:</u>

(53) WINDOW GUARDS:

PER OBC 9.8.8.1.(8)(b

OUBLE STUDS @ OPE

PARALLEL PARTITIONS

-REQUIRED AS PER OBC 9.29.2.1.

WINDOWS:

1.6 W/(m2.K) OR

2.8 W/(m2.K)

SENTENCES (1) TO (6)

BELOW THE SHOWERS.

-SURROUND TO BE TIED W/ METAL TIES @ 16" (400mm) O.C. VERT. INSTALLED

PER O.B.C. 9.20.9.4. -3/4" AIR SPACE AROUND POST. MIN. 6"X6" (140mm X 140mm) WOOD POST CLAD W/ DECOR. SURROUND HAIN, & AS (HAUNING) AND HAUNDARY MODIFIEST CEAD W/ DECONS DANAGOND (PER ELEVATION DRAWINGS) ANCHORED TO CONC. CAP W/ METAL SADDLI -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. N. 6"X6" (140mm X 140mm) WOOD POST CLAD W/ DECOR, SURROUND ATION 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.

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 FATURE -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) NUOUS INSULATION (ZONE 1 OBC SB-12 T.3.1.1.2.A.) LTERNATE INSULATION METHOD: 2" (51mm) R10 (RSI 1.76) RIGID INSULATION 2"x4"(38mm X 89mm) WOOD STUD W/ R12 (RSI 2.11) BATT INSULATION 51 STUD WALL REINFORCEMENT:

ASTIRCOM ARE TO BE REINFORCE DTO PERMIT THE FUTURE INSTALLA OF GRAB BARS AS PER O.B.C. 3.8.3.8.(3)(d)&(c) & 3.8.3.13.(2)(g) & -GRAB BARS TO BE INSTALLED AS PER O.B.C. 9.8.7.7.(2)

STUDS AD JACENT TO WATER CLOSETS & SHOWER BATH TUBS IN MAIN

<u>© STAIRS, LANDINGS & RAMPS</u> - OBC 9.8.8.1.(8) INDOW SILL AT 3'-0'' (900mm) OR GREATER DOES NOT REQUIRE GUARDS WINDOW TO BE NON-OPERABLE AND DESIGNED TO WITHSTAND LATERAL LOADS

@FLOORS - OBC 9.8.8.1.(6) OPERABLE WINDOWS LESS THAN 1'-7" (480mm) ABOVE FLOORS WHERE ADJACENT GRADE IS GREATER THAN 5'-11" (1800mm) REQUIRE A GUARD PER FRAME CONSTRUCTION: -ALL FRAMING LUMBER TO BE NO.1 AND NO. 2 SPF UNLESS NOTED

-ROOF LOADING IS BASED ON 1.5kPg 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 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

-BEAMS TO BE PLACED UNDER LOADBEARING WALLS WHEN WALLS ARE RALLEL 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:

-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

EMENT 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 GLATED 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. OWHR 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

# WOO<u>D BEAMS</u>

WD1 3/ 2" X 8" SPR WD2 4/ 2" X 8" SPR WD3 5/ 2" X 8" SPR WD4 3/ 2" X 10" SPR WD5 4/ 2" X 10" SPR WD6 5/ 2" X 10" SPR WD7 3/ 2" X 12" SPR WD8 4/ 2" X 12" SPR WD9 5/ 2" X 12" SPR WD10 2/13/4" X71/4" (2.0E) LVL WD11 3/13/4" X7 1/4" (2.0E) LVL WD12A 1/1 3/4" X9 1/2" (2.0E) LVL WD12 2/13/4" X91/2" (2.0E) LVL WD13 3/13/4" X91/2" (2.0E) LV WD14A 1/ 1 3/4" X11 7/8" (2.0E) LVL WD14 2/13/4" X117/8" (2.0E) LVL WD15 3/13/4" X117/8" (2.0E) LVL WD16A 1/13/4" X14" (2.0E) LVL WD16 2/13/4" X14" (2.0E) LVL WD17 3/13/4" X14" (2.0E) LVL

L3 2/ 2" X 10" SPR L5 2/ 2" X 12" SPR L7 3-1/2" X 3-1/2" X 1/4" L L8 4-7/8" X 3-1/2" X 1/4" L L10 4-7/8" X 3-1/2" X 5/16" L L11 4-7/8" X 3-1/2" X 3/8" L L12 57/8" X 3-1/2" X 5/16" L L13 5-7/8" X 3-1/2" X 3/8" L L14 5-7/8" X 3-1/2" X 1/2" L L15 5-7/8" X 4" X 1/2" L L16 7-1/8" X 4" X 3/8" L

L17 7-1/8" X 4" X 1/2" L

<u>LINTELS</u>

L1 2/ 2" X 8" SPR

## DOORS

A 865x2030x45 (2'10"x6'8"x1-3/4") B 815x2030x35 (2'8''x6'8''x1-3/8'') C 760x2030x35 (2'6"x6'8"x1-3/8") D 710x2030x35 (2'4"x6'8"x1-3/8") E 460x2030x35 (1'6''x6'8''x1-3/8'') F 610x2030x35 (2'0"x6'8"x1-3/8") G OVER SIZED EXTERIOR DOOR STEEL BEAMS

## ST1 W6X15 ST2 W 6 X 20 ST3 W 8 X 18

ST4 W 8 X 21 ST5 W 8 X 24

# Smoke alarm (44) CARBON MONOXIDE VENTS AND INTAKES

LEGEND

COLD CELLAR VENT (50) STOVE VENT FIRE PLACE VENT

DRYER VENT FLOOR DRAIN

WATERPROOF DUPLEX OUTLET

HOSE BIB

(38) EXHAUST FAN

<del>Q</del>

SOLID BEARING Ø � POINT LOAD

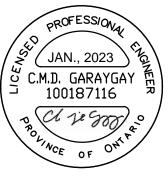
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|---|--------|--|---|
|   |        |  | <ul> <li>A0 TITLE SHEET</li> <li>A1 BASEMENT FLOOR - BLOCK 8<br/>GROUND FLOOR - BLOCK 8</li> <li>A2 SECOND FLOOR - BLOCK 8<br/>ROOF PLAN - BLOCK 8</li> <li>A3 FRONT ELEVATION - BLOCK 8<br/>REAR ELEVATION - BLOCK 8<br/>LEFT SIDE ELEVATION - BLOCK 8</li> <li>RIGHT SIDE ELEVATION - BLOCK 8</li> </ul>  |
|   |        |  | #       evins       evins       evin       evin |
| 2   | Areas: | THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MU:<br>VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY V<br>ANY DISCREPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN | VORK.<br>N LTD  |
| FLAT ARCH2 STORY WALLEXT. LIGHT FIXTURE<br>(WALL MOUNTED)HHYDRO METERGGAS METERDJDOUBLE JOISTPTPRESSURE TREATED<br>LUMBERGTGIRDER TRUSSAFFABOVE FINISHED FLOORBBFMBEAM BY FLOOR MANUF(FL)FLUSH<br>LUSH(DR)DROPPED'DO'REPEAT SAME JOIST SIZEU/SUNDER SIDEFGFIXED GLAZINGGBGLASS BLOCKBGBLACK GLASS |        |  | Tice River Homes<br>project<br>Legacy<br>Ayr<br>model<br>BLOCK 8<br>project # 17052<br>scale $3/16'' = 1'-0''$<br>page<br>AQO   |





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I, DANIEL HANNINEN DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN ITD**, 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: 20888 FIRM BCIN: 26995 DATE: JANUARY-13-23 all . SIGNATURE:



FOR STRUCTURAL ITEMS ONLY

| # | revisions                   | date      | dwn | chk |
|---|-----------------------------|-----------|-----|-----|
| 1 | ISSUED FOR CLIENT REVIEW    | 30-SEP-22 | BU  | DM  |
| 2 | REVISED PER CLIENT COMMENTS | 9-Nov-22  | MD  | AD  |
| 3 | REV PER ENG COMMENTS        | 22-DEC-22 | MD  | AD  |
| 4 | ISSUED FOR PERMIT           | 13-Jan-23 | KS  | AD  |
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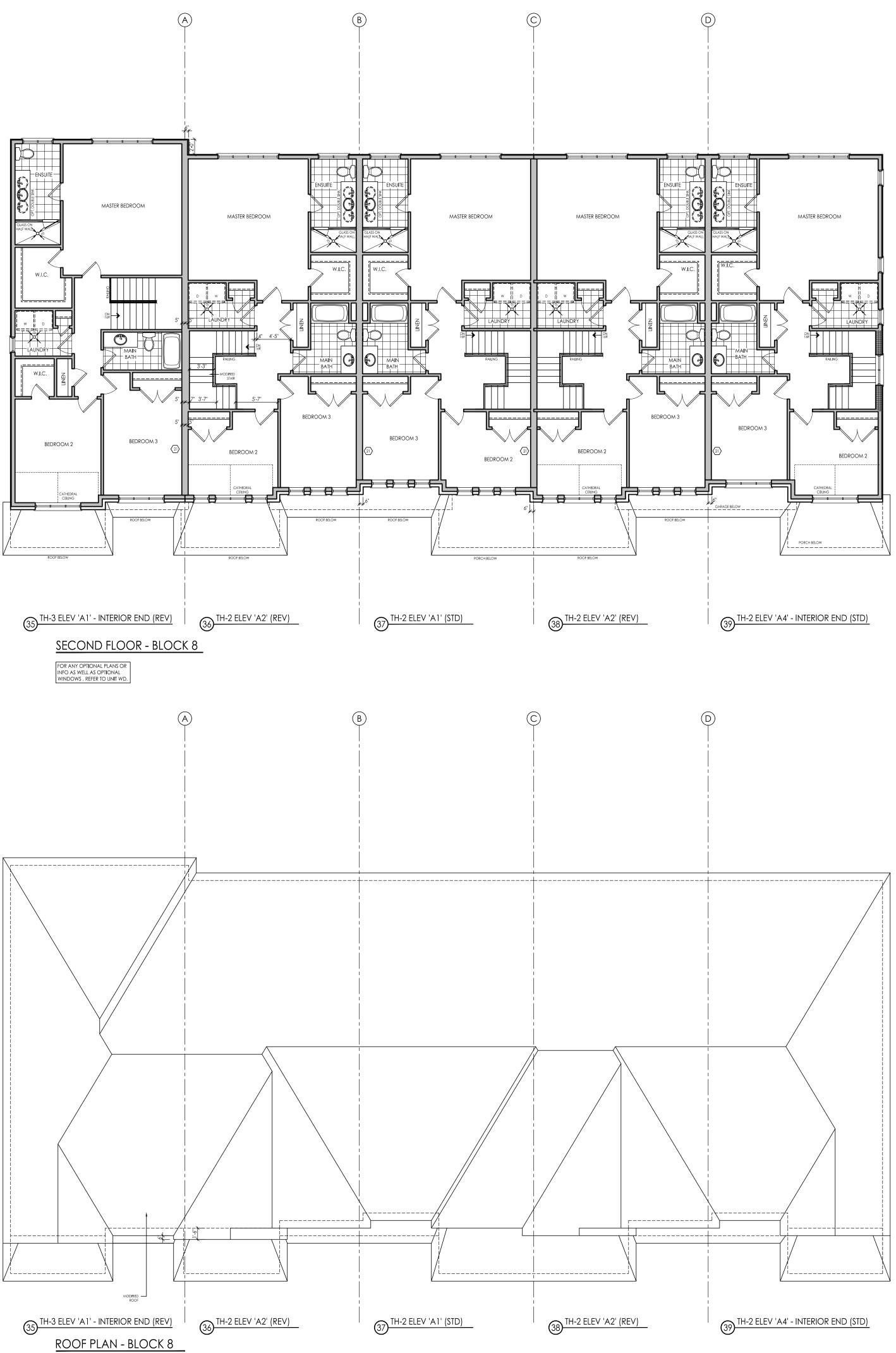
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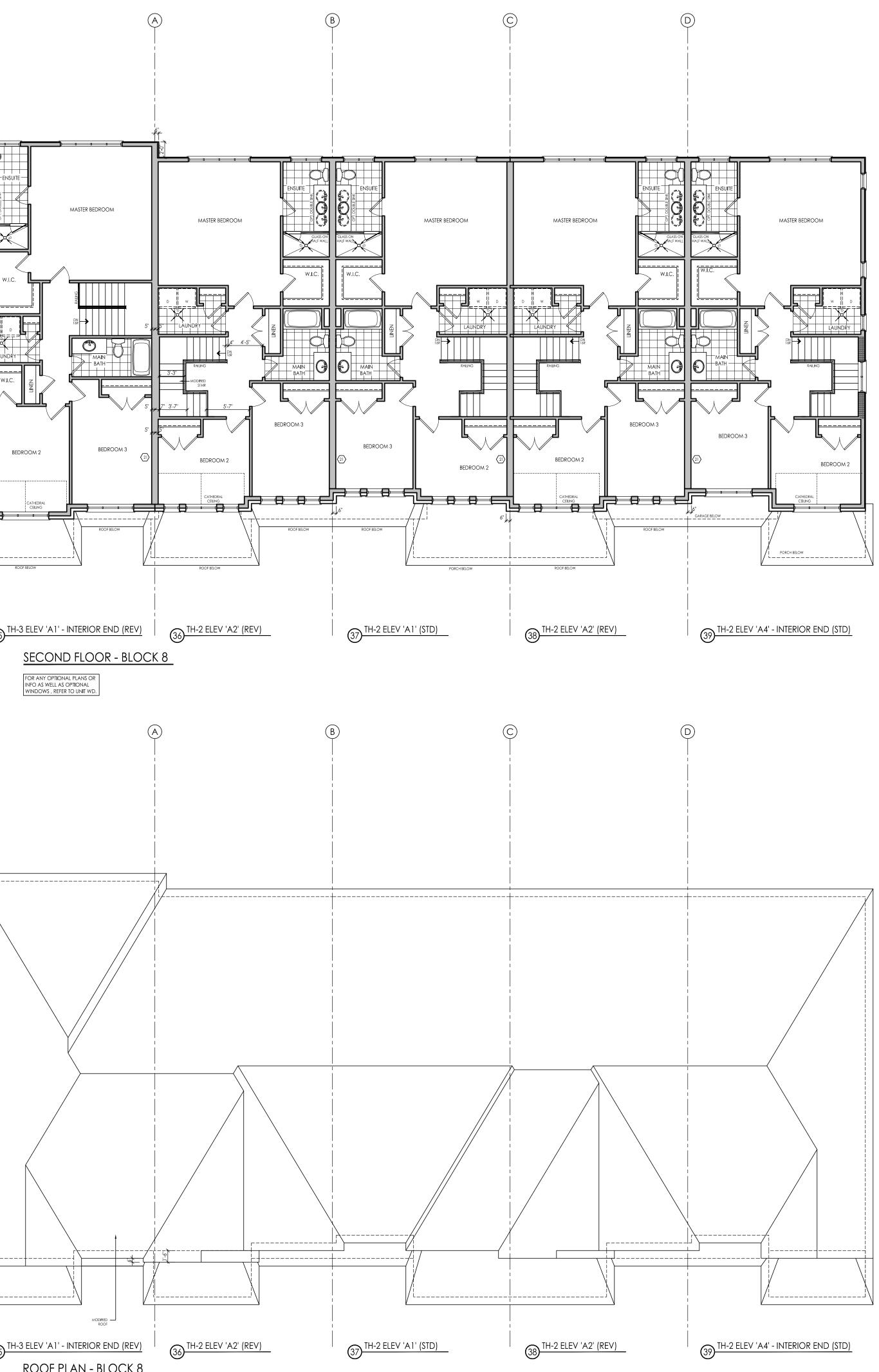
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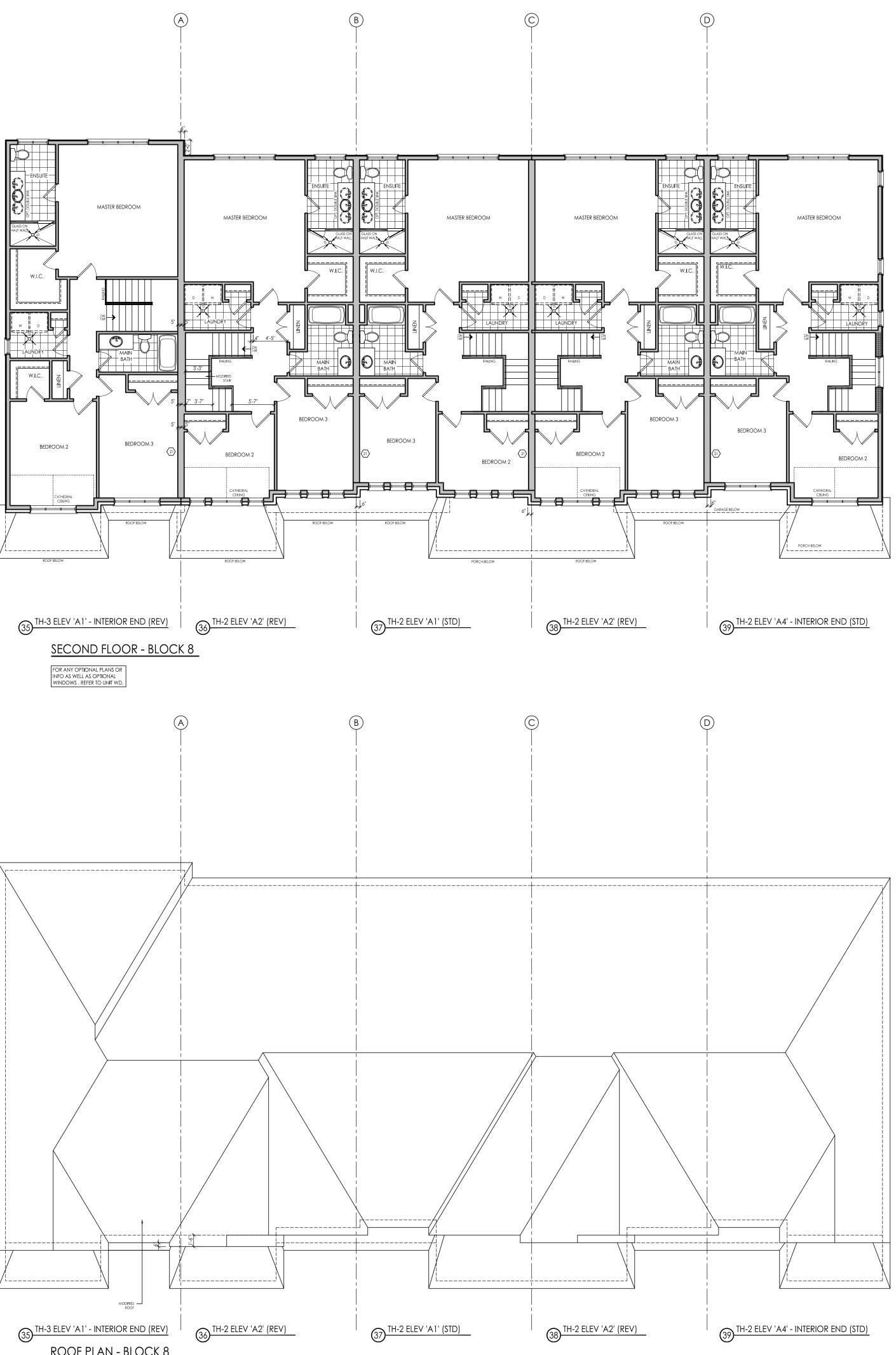
17052

1/8" = 1'-0"











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Tice River Homes

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1/8" = 1'-0"







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Tice River Homes

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