FOOTINGS / SLABS: TYPICAL STRIP FOOTING:

C.B.C. Y. 1-3.3.

-BASED ON 16-1"(4-9m) MAX. SUPPORTED JOIST LENGTH
-MN. 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 - 13" X 4" (330mm X 100mm) -2 STOREY - 19" X 6" (485mm X 155mm) -3 STOREY - 26" X 9" (660mm X 230mm) -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

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

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

RUN.

DRAINAGE TILE OR PIPE: O.B.C. 9.14.3.

-4" (100mm) MIN. DIA. LAID ON UNDISTURBED OR WELL COMPACTED SOIL W/TOP OF TILE OR PIPE TO BE BELOW BOTTOM OF FLR. SLAB. COVER TOP & SIDES OF TILE OR PIPE W/ 5 7/8" (150mm) OF CRUSHED STONE OR OTHER COURSE CLEAN GRANULAR MATERIA TILE SHALL DRAIN TO A SEWER, DRAINAGE DITCH, OR DRY WELL

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

-3 (73mm) COUNCETE 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 OMITED IF CONCRETE HAS MIN. 3600psi(25MPa)
COMPRESSIVE STRENGTH AFTER 28 DAYS
-4" (100mm) OF COURSE GRANULAR MATERIAL
-PROVIDE ROUND REPEATING MATERIAL BETWEEN SLAB 8 ETC. -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. 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 NOT LESS THAN 23-1/2" (600mm) BELOW EXTERIOR GRADE LEVEL (O.B.C. SB-12-2.1.1.6 (5))

- UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFIRM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9)

Stab on Ground:

-3" (75mm) CONCRETE SLAB - O.B.C. 9.16.4.3. -3" (75mm) CONCRETE SLAB - O.B.C. 9.16.4.3.
-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 OMITED IF CONCRETE HAS MIN. 3600psi(25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-R10 (RS1 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

- UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFIRM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9) 6 GARAGE SLAB / EXTERIOR SLAB:
-4"(100mm) CONCRETE SLAB
-4550psi (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 MATERIA ANY FILL PLACED UNDER SLAB, OTHER THAN COURSE CLEAN GRANULAR 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.

-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

OAD ON ANY FLOOR DOES NOT EXCEED 50psf (2.4kPa) 8 STEEL PIPE COLUMN:

O.B.C. 9.15.3.4. & 9.17.3. -FIXED COLUMN -MIN. 3.1/2" (90mm) DIA. W/ 3/16" (4.76mm) WALL THICKNESS -FOR STEEL BEAMS, CLIPS @ TOP & MIN. 6" X 4" X 1/4" (152mmX 100mm) 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 IMPOSED LOAD DOES NOT EXCEED 36 KN (O.B.C. 9.17.3.4.)
COL SPACING: FTG SIZE:

2 STOREY -MAX. 9'-10" (2997mm) - 34" X 34" X 16" (860mmX 860mmX 400mm) -MAX. 16'-0" (4880mm) - 44" X 44" X 21" (1120mmX 1120mmX 530mm)

-MAX. 9'-10" (2997mm) - (1010mmX 1010mmX 480mm) - 51" X 51" X 24" 1295mmX 1295mmX 610mm) WHERE COL, SITS ON FDN, WALL, USE 4" X 8" X 5/8" (100mmX 200mmX Smm) STEEL PLATE WITH 2-5/8" (16mm) ANCHOR BOLTS

9 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 12" (640mmX 640mmX 300mm) CONC. PAD (1 FLOOR SUPPORTED W) 79-10" COL. SPACING) 34" X 34" X 14" (860mmX 860mmX 360mm) CONC. PAD (2 FLOORS

UPPORTED W/ 9'-10" COL, SPACING) 10) 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

ETWEEN ADJACENT BEAMS 11 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.

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, 15.4.1 SHALL BE USED OR IT SHALL BE DESIGNED LINDER O. B. C. - PART 4 DESIGNED UNDER O.B.C.- PART 4

-WALL SHALL EXTEND A MIN. 5 7/8" (150mm) ABOVE GRADE

-INSULATE W/ R12 (RSI 2.11) FROM UNDERSIDE OF SUBFLOOR TO NOT
MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT
(20NE 1. 0. B.C. T.2.1.1.2.A.)

-BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL

REDUCTION OF THICKNESS:

-WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO -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.
-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. VHERE INSULATION EXTENDS TO MORE THAN 4'-9" (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 BASEMENTS SHALL HAVE INTERIOR DAMPPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3(3)

-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE
WATERPROOFED AS PER O.B.C. 9.13.3.

-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE 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" 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. 15) FRAME WALL CONSTRUCTION:

O.B.C. 9.23.

-SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED GRADE (0.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. 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. 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 = 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

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.

150 ALTERNATE FRAME WALL CONSTRUCTION: CCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED -3DING OR STOCK OF AS PER ELECTRICING, MIN. 7 //8 (2001) INT ROMPHING GRADE (O.B.C. 9.28.1.4. & 9.27.)
-1 1/2" (38mm) R8 (RS1 1.41) RIGID INSULATION W/TAPED JOINTS (O.B.C. 9.27.3.4.) FARACE 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.

22 X 4 (36mm) of virtually would study of the (400mm) old. 4 12 (500mm) old. On 80TION FLR. WHEN 3 STOREYS.
-R14 (RS12.46) 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. 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 = EW1b (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE OLLOWING MATERIALS: FOLLOWING MATERIALS:

-ADD 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C.

9.23.16. BETWEEN RIGID INSULATION AND WOOD STUD.

-REPLACE R14 (RS) 2.46) INSULATION WITH R14 (RS) 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-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS {REFER TO (ANUFACTURER'S SPECIFICATIONS)

ONNYL 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

15b FRAME WALL CONSTRUCTION @ GARAGE:

O.B.C. 9.23. -SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED GRADE (D.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 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.

 $\underline{\mathsf{REQ}}.\,\mathsf{FOR}\,\mathsf{FIRE}\,\,\mathsf{RATING}\,\,\mathsf{\{LESS\,THAN\,4'-0''\,\,LIMITING\,\,DISTANCE\}};$ O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS: -ADD ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/sq.m. REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD. REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):

-REFER TO REQUIREMENTS FOR LESS THAN 4'-0" LIMITING DISTANCE AND -REFER TO REQUIREMENTS FOR ELSS TRAIN A SERVING SISTEMA AND REPORT OF 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) GYPSHM EXTERIOR SHEATHING WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV

16 BRICK VENEER CONSTRUCTION: -3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX HEIGHI -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 LINDER OPENINGS. ELASHING LINDER 1-1/(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. 7.23.10 -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. 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 = EW1b (STC = N/A, FIRE = 45 MIN)

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

THE FOLL OWER CHAPTER OF THE STREET 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.

160 ALTERNATE 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 STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL 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.

-1/2" (12.7mm) GYP\$UM 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.

TINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. &

 $\underline{\text{REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE}};$

O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN) -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 [R312.46] INSULATION WITH R14 [R31.246] 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.

16b 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 -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 ALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2. 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 - 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): O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD -ADD R15 (RSI 2.64) ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ -REPLACE 1/2"(12.7mm) GYPSUM 8D. 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

(18) 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. - DBL, 2" X 4" OR 2" X 6" IOP PLATE. - 2" X 4" OR 2" X 6" BOTTOM PLATE ON DAMPPROOFING MATERIAL

(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 -SPACE BETWEEN TOP OF WALL & ROOF DECK SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR NONCOMBUSTIBLE MATERIAL & CAULKED TO PREVEN SMOKE PASSAGE

-1/2" (12.7mm) GYPSUM BOARD W/ TAPED JOINTS BOTH SIDES -2" X 2" (38mmX 38mm) WOOD STRAPPING @ 24" (600mm) O.C. BOTH -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

COUSTICAL SEALANT AS PER O.B.C. S8-3 (NOTE (2) 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 -CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & Y.20-4. -2" X 4" (38mmX 89mm) WOOD STRAPPING @ 16" (400mm) O.C. -R20 (RS1 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 -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 -AIR FILM - MOVING

(9b) FIREWALL:

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 SOUND ABSORPTIVE MATERIAL FACH SIDE FILLING 90% OF THE CAVITY -SOUND ABSORTIVE MATERIAL EACH SIDE HILLING 99% OF THE CAVITY
-7 1/2" (190mm) CONG. 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
-ACQUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1) -PROTRUDE PAST FASCIA @ EAVES W/ BRICK CORBELLING -FROINGUE FASCING BEAVES WY BRICK CORRECTING -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) 20 PARTY WALL - FOUNDATION:

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

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"X4"(38mmx 89mm) SUDS @ 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 -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 FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 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/WAPPOUR 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.

PEOLINED CA PACE A BEAR (PEFEER TO MINICIPAL STANDARDS)

REQUIRED GARAGE AREA (REFER TO MUNICIPAL STANDARDS). -1/2" (12.7mm) GYPSUM BOARD ROOF FRAMING MEMBERS ARE FASTENED TO TOP PLATES WITH -ROOF FRANKING MELPHOLAY AND A 14" (82mm) TO ROOF JOISTS, BLOCKING OR RIM JOIST WITH 3 1/4" (82mm) NAILS AT 7 7/8" (200mm) O.C. WALLS ADJACENT TO ATTIC SPACE:

CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.--CONINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.925.3. & 9.25.4.
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
-R22 (RS1 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. 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 7.70" (7000-1) O. 2. -500bet Or Fulls FASIENED TOGETHER WITH 3 (76thill) A 77/8" (200mm) O.C. -50LID BRIDGING AT 3'-11" (1200mm) O.C. -MIN. R22 (RSI 3.87) INSULATION (ZONE 1. O.8.C.T.2.1.1.2.A.) CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH O.B.C. 9.25.3. & 9.25.9.

7.23.3. 7.23.7.

(24) EXPOSED FLOOR:
-FLOOR AS PER NOTE # 28
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/
O.B. C. - 9.25.3. 8.9 7.25.4.
-R31 (R315.46) INSULATION
VENTEE ALLIA MILILA SOCERT 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.

DUBLE 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 CEUING FRAMING MEMBERS

6" SILL W / 2" BEARING ON EACH SIDE & ANCHOR BOLTS @ 4'-0" C NOTE: MASONRY TO BE SOLID & MORTAR JOINT FILLED SOLID FOR FLOOI JOISTS BEARING ON WYTHES, FLOOR JOISTS ARE NOT TO PROJECT INTO CAVITY

250 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. 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: 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 2" (19mm X 4mm) OR 2" X 2" (38mm X 38mm) CROSS BRIDGING @ MAX.

a) & b) USED TOGETHER OR 1 1/2" (38mm) SOLID BLOCKING @ MAX. 6'-11" (2100mm) O.C. USED WITH FURRING OR PANEL TYPE CELLING APPING NOT REQUIRED IF FURRING STRIPS OR PANEL TYPE CEILING FINISH ITACHED 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 SLABS ABOVE COLD CELLAR: O.B.C. 9.39.1.4. -REINFORCED CONCRETE SLABS ABOVE COLD CELLARS THAT ARE SUPPORTED ON FOUNDATION WALLS NOT TO EXCEED 8'-2'
-47/8" (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. (30) EXTERIOR BALCONY ASSEMBLY:
-1 1/4" X 3 1/2" PRESSURE TREATED DECKING W/ 1/4" SPACING
-2"2" WOOD PUREINS (CUT DIAGONALLY) @ 12" O.C. LAYING UNFASTENED
ON SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT ON 5/8" 115.9mm) EXTERIOR GRADE PLYWOOD SHEATHING ON 2"X4" WOOD PURLINS ICUT DIAGONALLY) @ 12" O.C. DIRECTLY ON 2"X8" ROOF JOISTS @ 12" O.C. IOR 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) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF -ADD R31 (R\$I 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 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR -ADD 5/8" (16.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C.-T.9.29.5.3.)

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 /ENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/15 ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3.

D 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.)

ROOF ASSEMBLIES 31 TYPICAL ROOF:

O.B.C. 9.26.

NO. 210 (30.5KG/m2) ASPHALT SHINGLES

FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2:-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.

EAVES PROTECTION LAID BENEATH STARTER STRIP.

EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES. STARTER STRIP AS PER O.B.C. 9.26.7.2. 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 -APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT) -TRUSS BRACING AS PER TRUSS MANUFACTURER -EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR

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. 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 & 8:112 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) -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) -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. (2" (12.7mm) GYPSUM BOARD O.B.C. TABLE A6 OR A7

Smoke alarm (44)

VENTS AND INTAKES

COLD CELLAR VENT (50)

WATERPROOF

HOSE BIB

EXHAUST FAN

STOVE VENT

DRYER VENT

D.J. DOUBLE JOIST

G.T. GIRDER TRUSS

LUMBER

FIRE PLACE VENT

PRESSURE TREATED

A.F.F. ABOVE FINISHED FLOOR

3-1/2" X 3-1/2" X 1/4" L L13 5-7/8" X 3-1/2" X 3/8" L

4" X 3-1/2" X 1/4" L L14 5-7/8" X 3-1/2" X 1/2" L

(38)

 \otimes

P.T.

2/ 2" X 10" SPR

2/ 2" X 12" SPR

-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. -HIP & VALLEY RAFTERS TO BE MIN. 2" (50mm) LARGER THAN COMMON RAFTERS & MIN. 1 1/2" (38mm) THICK.

G

CARBON MONOXIDE

ALARM (CMA) (45)

EXT. LIGHT FIXTURE

(WALL MOUNTED)

HYDRO METER

FLOOR DRAIN

SOLID BEARING

FLAT ARCH

U/S UNDER SIDE

FG FIXED GLAZING

GB GLASS BLOCK

BG BLACK GLASS

LINTELS

2 STORY WALL

GAS METER

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/ R20 (RSI 3.52) INSULATION.

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

CARBON MONOXIDE ALARM (CMA), O.B.C.-9.33.4.

-PROVIDE I 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

-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

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

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

-TRAVEL FROM A FLOOR LEVEL TO AN EXIT OR EGRESS DOOR SHALL BE LIMITED TO ONE FLOOR EXCEPT;

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.

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

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 TIES @ 16" (400mm) O.C. VERT. INSTALLED

-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

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.

PARTICIPATION OF THE PROPERTY AND ACCOUNT AND ACCOUNT

FORM A SA THAT THEY ARE IN ACCORDANCE WITH O.S.C. 9.17.4.

VENTING AREA TO BE EQUIVALENT TO 0.2% OF COLD CELLAR AREA.

-PACL MOUNTED LIGHT HINDRE
-LI-LIZ 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/ MIN. R12 (RSI 2.11)

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)(q)&(q) & 3.8.3.13.(2)(f) &

ROOF LOADING IS BASED ON 1.5kPa SPECIFIED COMPOSITE SNOW AND

-ROUP LOADING IS BASED ON 1.5RPG SPECIFIED COMPOSITE SNOW AND RAIN LOADS. -JOISTS TO HAVE MIN. 3-1/2" (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"

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

-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 W/(m2.K) OR
-AN ENERGY RATING OF NOT LESS THAN 21 FOR OPERABLE WINDOWS &

31 FOR FIXED 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

THE MINIMUM R (RSI) VALUE FOR THERMAL INSULATION IN EXPOSED ABOVE GRADE WALLS IS PERMITTED TO BE NO LESS THAN R20 (RSI 3.52) 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 (RSI 3.52).

WHERE BLOWN-IN INSULATION OR SPRAY-APPLIED FOAM INSULATION IS USED,

THE MINIMUM R (RSI) VALUE FOR THERMAL INSULATION IN EXPOSED ABOVE

GRADE WALLS IS PERMITTED TO BE NO LESS THAN R20 (RSI 3.52) PROVIDED

I) THE THERMAL INSULATION VALUE IN A CEILING WITH AN ATTIC SPACE IS

b) THE MINIMUM EFFICIENCY OF THE HRV IS INCREASED BY NOT LESS THAN 8

c) THE MINIMUM AFUE OF THE SPACE HEATING EQUIPMENT IS INCREASED BY

d) THE MINIMUM EF OF THE DOMESTIC HOT WATER HEATER IS INCREASED BY

♦ CLIENT SPECIFIC REVISIONS

MORE THAN 23 5/8" (600mm) BEYOND SUPPORTS FOR 2" X 10" (38mm X

DOUBLE JOISTS OR SOLID BLOCKING UNDER NON-LOAD BEARING -BEAMS TO BE PLACED UNDER LOADBEARING WALLS WHEN WALLS ARE PARALLEL TO FLOOR JOISTS
-BEAMS MAY BE A MAX. 24" (600mm) FROM LOADBEARING WALLS

FOR COLD CELLARS PROVIDE THE FOLLOWING:

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

WHEN WALLS ARE PERPENDICULAR TO FLOOR JOISTS

FOR GROSS GLAZED AREAS LESS THAN 17%

NOT LESS THAN 2 PERCENTAGE POINT

NOT LESS THAN 4 PERCENTAGE POINTS.

ADDITIONAL COMPLIANCE ALTERNATIVES FOR PACKAGE J.

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

-COVER VENT W/ BLIG SCREEN

51 STUD WALL REINFORCEMENT:

800mm) AND 6'-7" (2000mm

235mm) OR LARGER.

WINDOWS:

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

WHERE THAT FLOOR LEVEL HAS ACCESS TO A BALCONY

49 EXTERIOR COLUMN W/ MASONRY PIER:

PER O.B.C. 9.20.9.4. -3/4" AIR SPACE AROUND POST.

490 EXTERIOR COLUMN:

50 COLD CELLARS:

GENERAL: 35 PRIVATE STAIRS:

O.B.C. 9.8.4. -MAX. RISE -MIN. RUN -MAX, RISE = 7-7/8"
-MIN, RUN = 8-1/4"
-MIN, TREAD = 9-1/4"
-MAX, NOSING = 1"
-MIN, HEADROOM = 6'-5"
-MIN, WIDTH = 2'-10"
(BETWEEN WALL FACES)
-MIN, WIDTH = 2'-11"
(FYLL STAIRS RETWEEN GLIARD) (EXIT STAIRS, BETWEEN GUARDS) ANGLED TREADS: -3 //8 (150mm) MIN, AVG, RUN = 7 7/8" (200mm)

-7VIIN, AVG. RUN = / //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 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:

O.B.C. 9.8.4. -MAX. RISE -MIN. RUN = 7-3/32" [180mm] -MIN. TREAD -MAX. NOSING = 6'-9" -MIN. HEADROOM (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 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" (855mm) 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

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 AS

-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 LANDING -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 10 BE 3"-6" (IU/Omm)
FOR DWELLING UNITS GUARDS 10 BE A MIN. OF 2"-11" (900mm) HIGH
FOR DWELLING UNITS GUARDS 10 BE 3"-6" (1070mm) HIGH WHERE WALKING
SURFACE IS MORE THAN 5"-11" (1800mm) ABOVE ADJACENT GRADE.
-PICKETS 10 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 CONFORM WITH O.B.C. APPENDIX A-9.8.8.5.

-GUARDS TO 8E 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 9.6.6.2. OR -FOR DWELLING UNITS GUARDS TO BE 3'-6" WHERE FLOOR TO -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"0 MIN. ANCHOR BOLTS EQUALLY SPACED WITH 3" MIN. EMBEDMENT TO STUDS. -PROVIDE SAME ANCHOR BOLTS @ 36" 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)

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

Areas:

D 710x2030x35 (2'4"x6'8"x1-3/8") F 460x2030x35 (1'6'x6'8"x1-3/8") F 610x2030x35 (2'0"x6'8"x1-3/8") G OVER SIZED EXTERIOR DOOR ST1 W 6 X 15 ST2 W 6 X 20 ST3 W 8 X 18 ST4 W 8 X 21

DOORS

B 815x2030x35 (2'8"x6'8"x1-3/8")

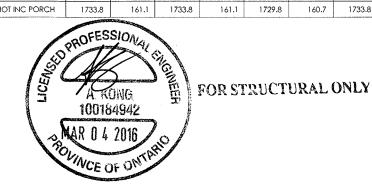
760x2030x35 (2'6'x6'8'x1-3/8")

4 865x2030x45 (2'10''x6'8''x1~3/4")

WOOD BEAMS 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 2/1 3/4" X7 1/4" (2.0E) LVL L10 4-7/8" X 3-1/2" X 5/16" L L15 5-7/8" X 4" X 1/2" WD11 3/13/4" X7 1/4" (2.0E) LVL L11 4-7/8" X 3-1/2" X 3/8" L L16 7-1/8" X 4" X 3/8" L WD12 2/1 3/4" X9 1/2" (2.0E) LVL L12 4-7/8" X 3-1/2" X 1/2" L L17 7-1/8" X 4" X 1/2" L WD13 3/1 3/4" X9 1/2" (2.0E) LVL WD14 2/13/4" X117/8" (2.0E) LV WD15 3/13/4" X117/8" (2.0E) L'

ELEVATION 'A' W/ 5 ELEVATION 'B' W/ 5 ELEVATION 'B' ELEVATION 'A' SM SF SM SF SM SM GROUND FLOOR 125.0 1345.1 125.0 1341.1 124.6 1345.1 125.0 SECOND FLOOR 155.3 155,3 1701.9 158.1 1671.5 155.3 1671.5 SECOND FLOOR OTB (5.6)(59.9) (5.6) (59.9) (5.6) (5.6)TOTAL AREA 274.7 277.1 2956.7 274.7 274.7 2956.7 2983.1 1825.6 1825.6 169.6 1780.7 165.4 169.6 COVERAGE INC PORCH 169.6 1825.6 COVERAGE NOT INC PORCH 1733.8 161.1 1733.8 161.1 1729.8 160.7



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SIGNATURE TITLE SHEET

BASEMENT FLOOR ELEV 'A'

GROUND FLOOR ELEV 'A' SECOND FLOOR ELEV 'A' OPT SECOND FLOOR ELEV 'A' W/5 BEDROOMS

PARTIAL GROUND FLOOR ELEV 'B' PARTIAL BASEMENT FLOOR ELEV 'B' PARTIAL SECOND FLOOR ELEV 'B' PART. OPT SECOND FLOOR ELEV 'B' W/5 BEDROOMS

FRONT ELEVATION 'A'

RIGHT SIDE ELEVATION 'A' Α5 REAR ELEVATION 'A' & 'B' TYPICAL CROSS SECTION

TYPICAL WALL SECTION LEFT SIDE ELEVATION 'A' FRONT ELEVATION 'B'

A10 LEFT SIDE ELEVATION 'B' It is the builder's complete responsibility to It is the builder's complete responsibility to ensure that all plans submitted for approva-fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning provisions and any provisions In the subdivision agreement. The Control Architect is not responsible in any way for examining or approving site (lotting) plans or working drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot

A9 RIGHT SIDE ELEVATION 'B'

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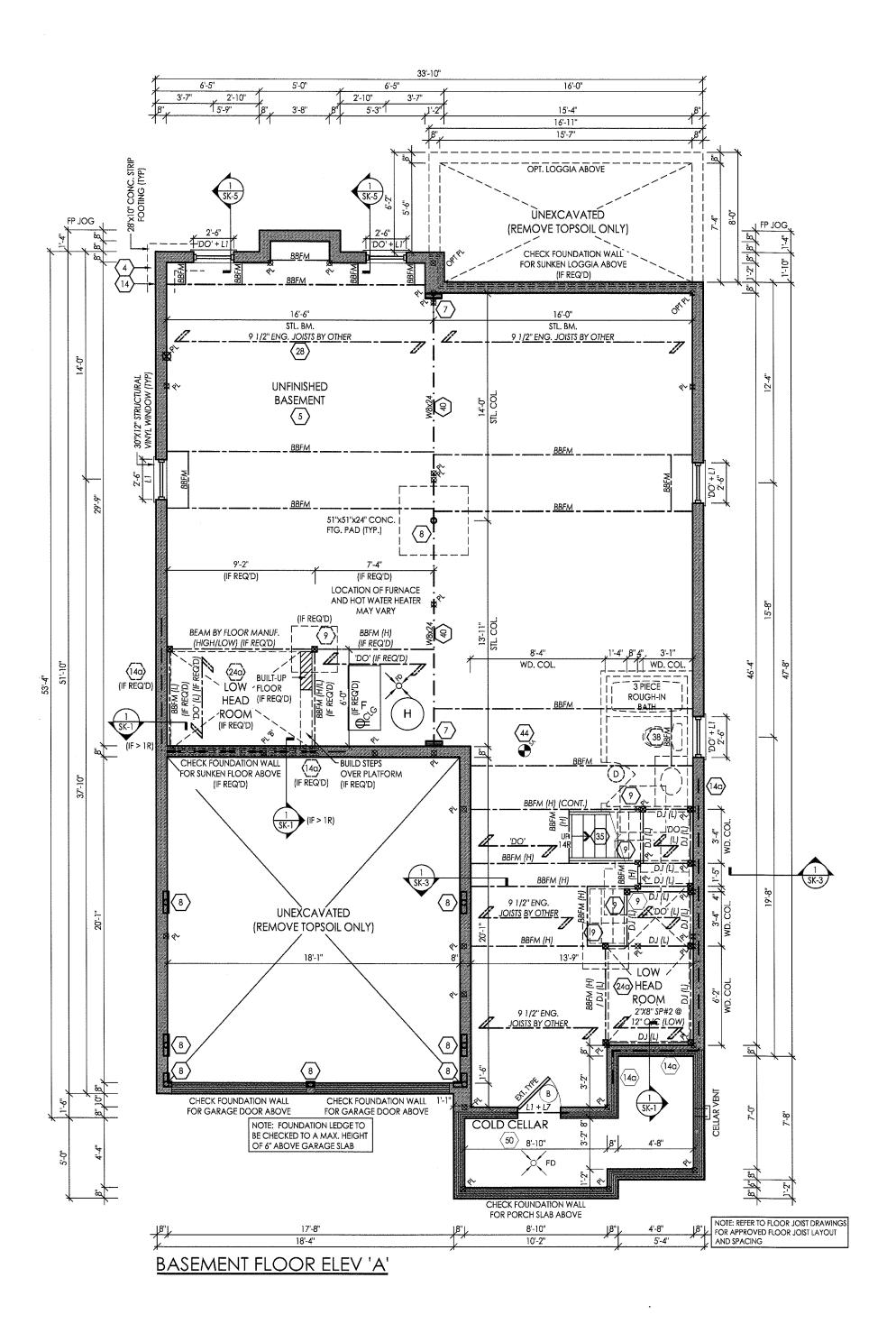
date dwn chk revisions ISSUED FOR CLIENT REVIEW MAR-23-15 KK CR 2 REVISED AS PER FLOOR & TRUSSES COORD. 12-Jun-15 RPA DJH 15-Jul-15 RPA DJH 3 REVISED AS PER ENGINEERING COMMENTS 12/18/2015 CR CR REVISED AS PER CLIENT COMMENTS 24-FEB-16 JP

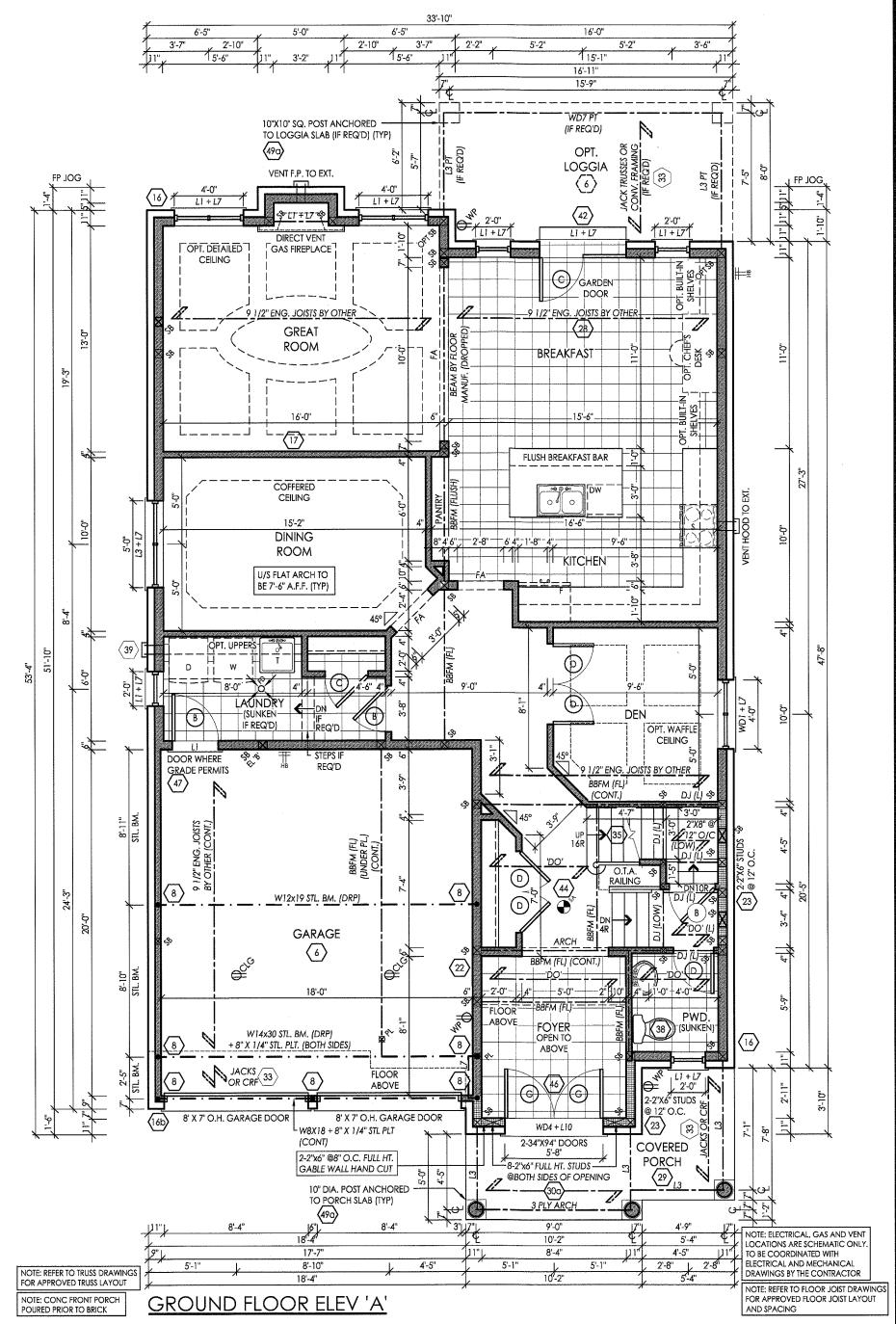
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ARCHITECTURAL REVIEW & APPROVAL

#	revisions	date	dwn	chk
ı	ISSUED FOR CLIENT REVIEW	MAR-23-15	KK	CR
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4	REVISED AS PER CLIENT COMMENTS	12/18/2015	CR	CR
5	REVISED AS PER CLIENT COMMENTS	1/19/2016	JM	ML
6	REVISED AS PER ENGINEER COMMENTS	24-FEB-16	JP	JР
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G. Williams Limited, Architect

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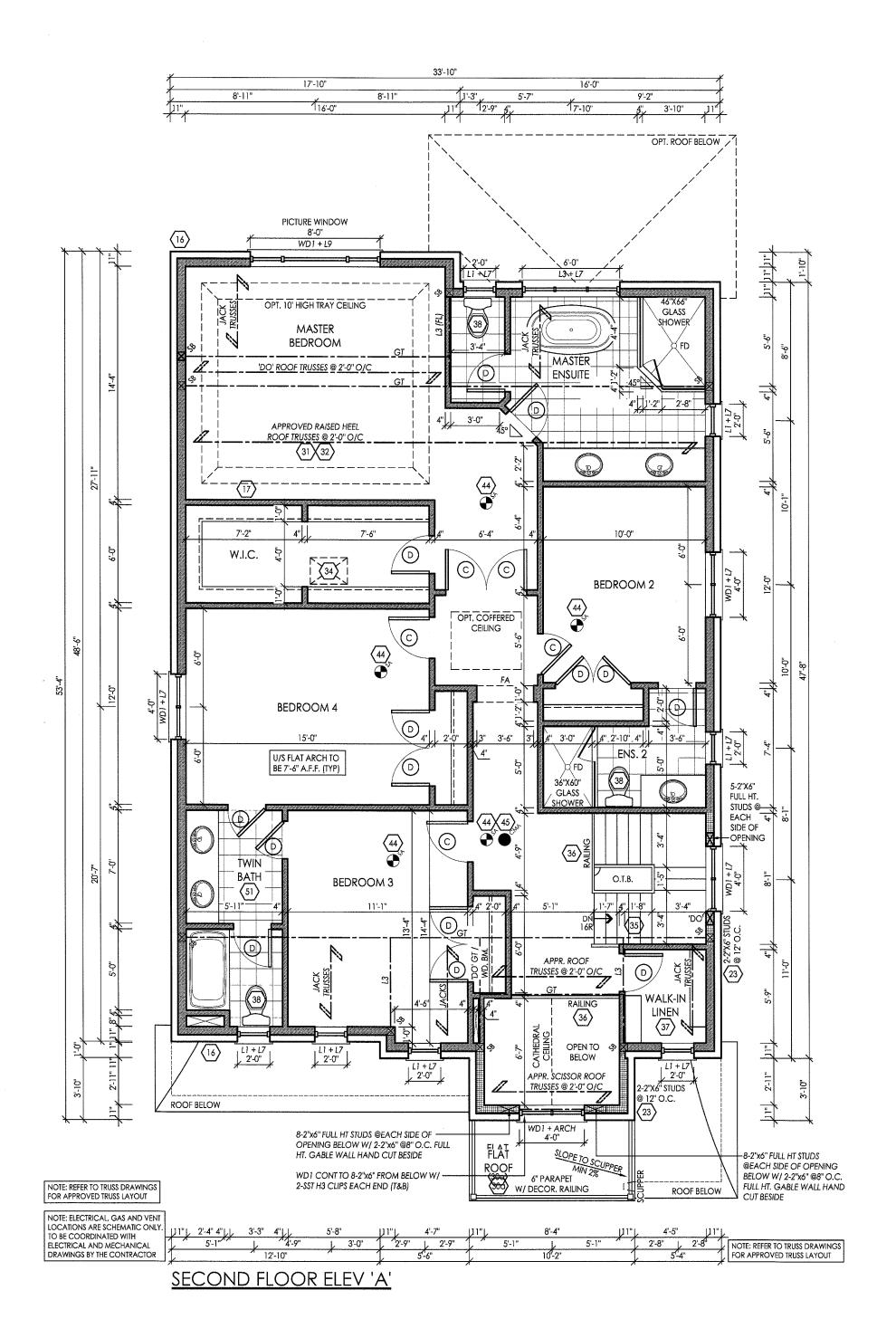
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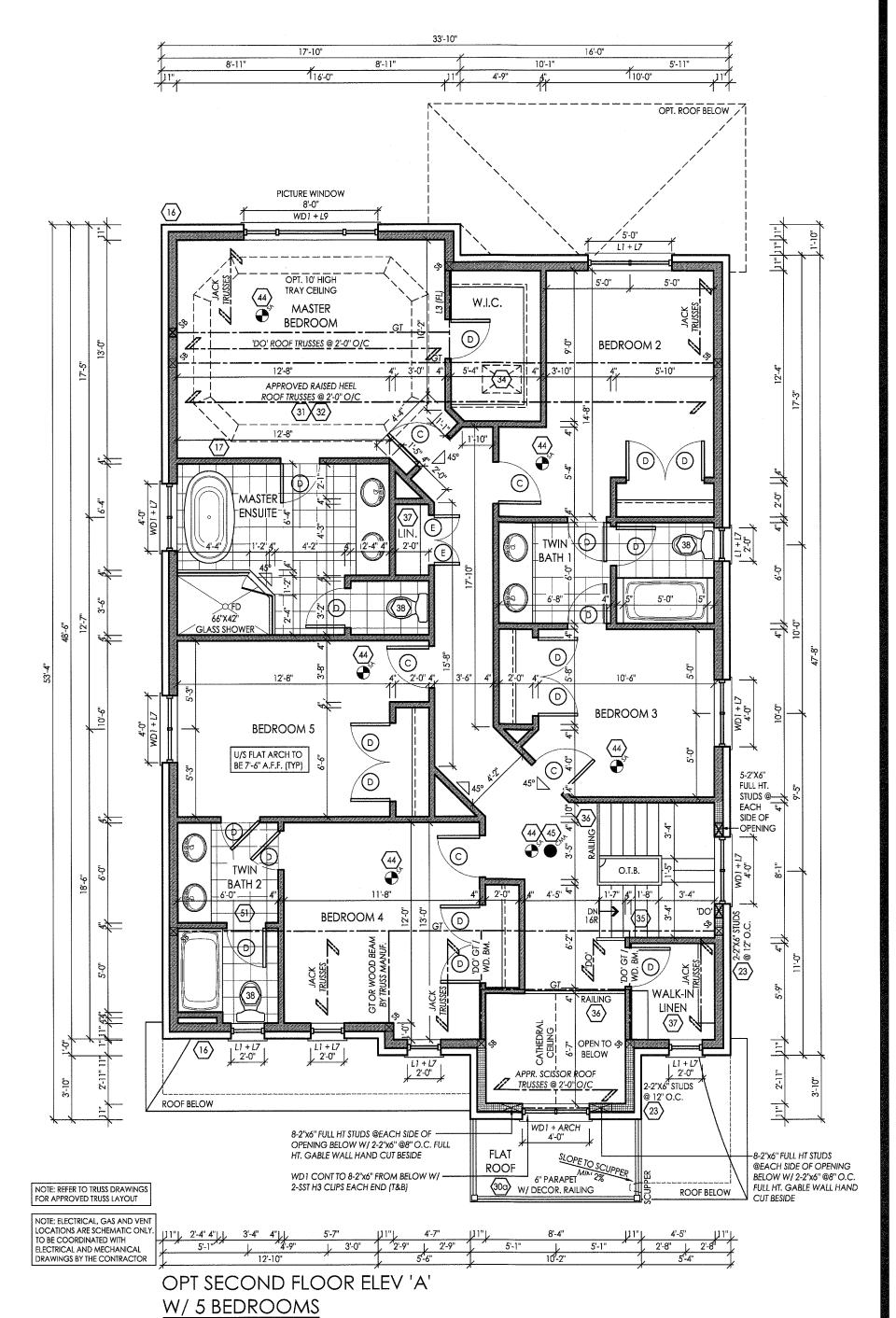
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project # 14043

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John G. Williams Limited, Architect

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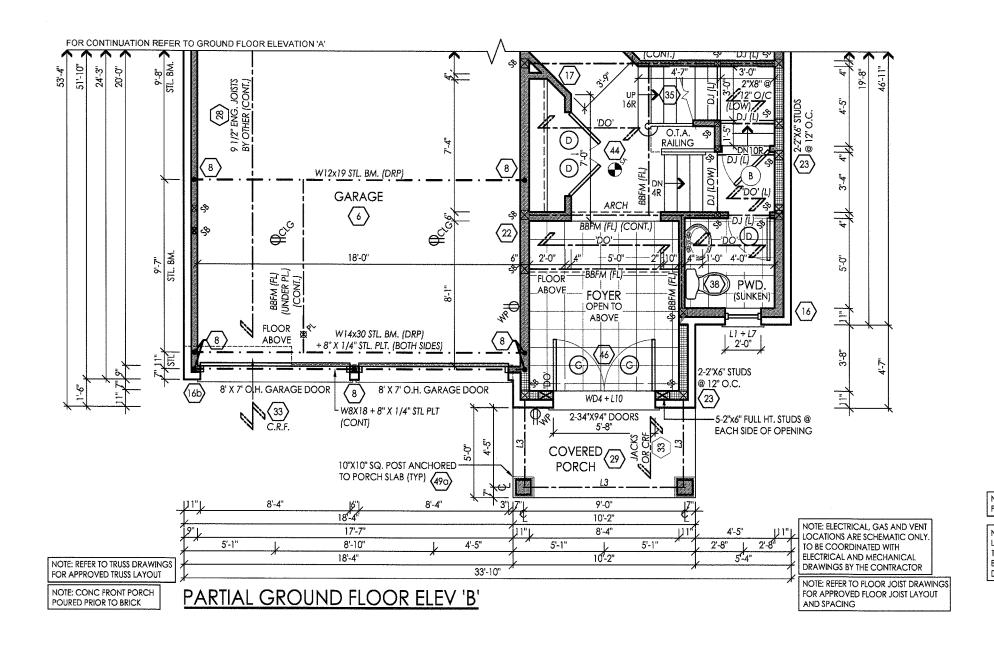
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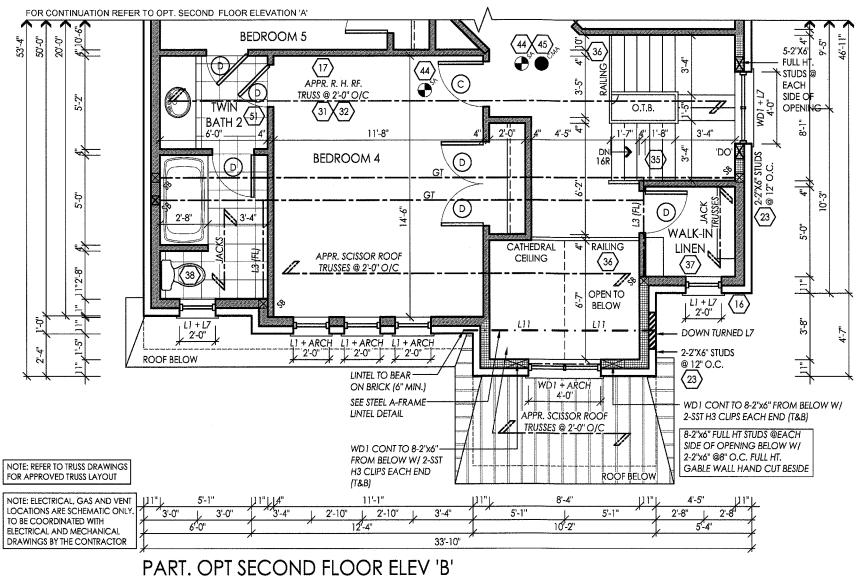
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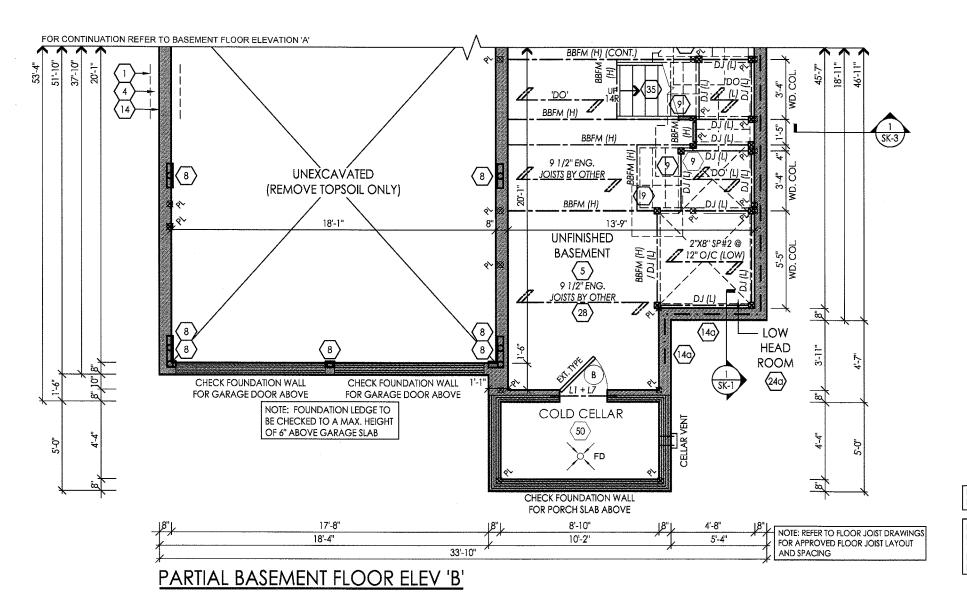
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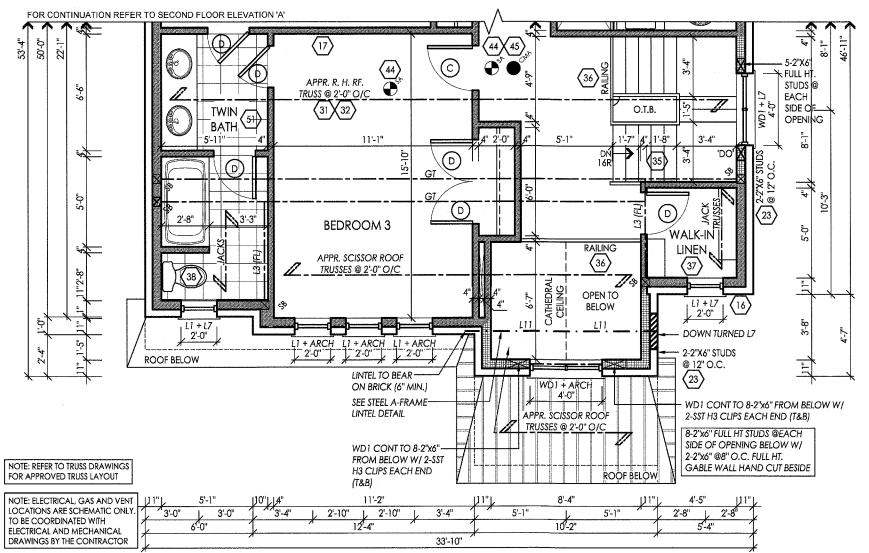
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PARTIAL SECOND FLOOR ELEV 'B'

W/5 BEDROOMS





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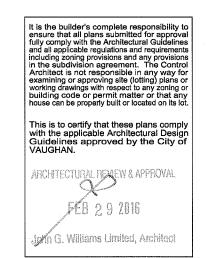
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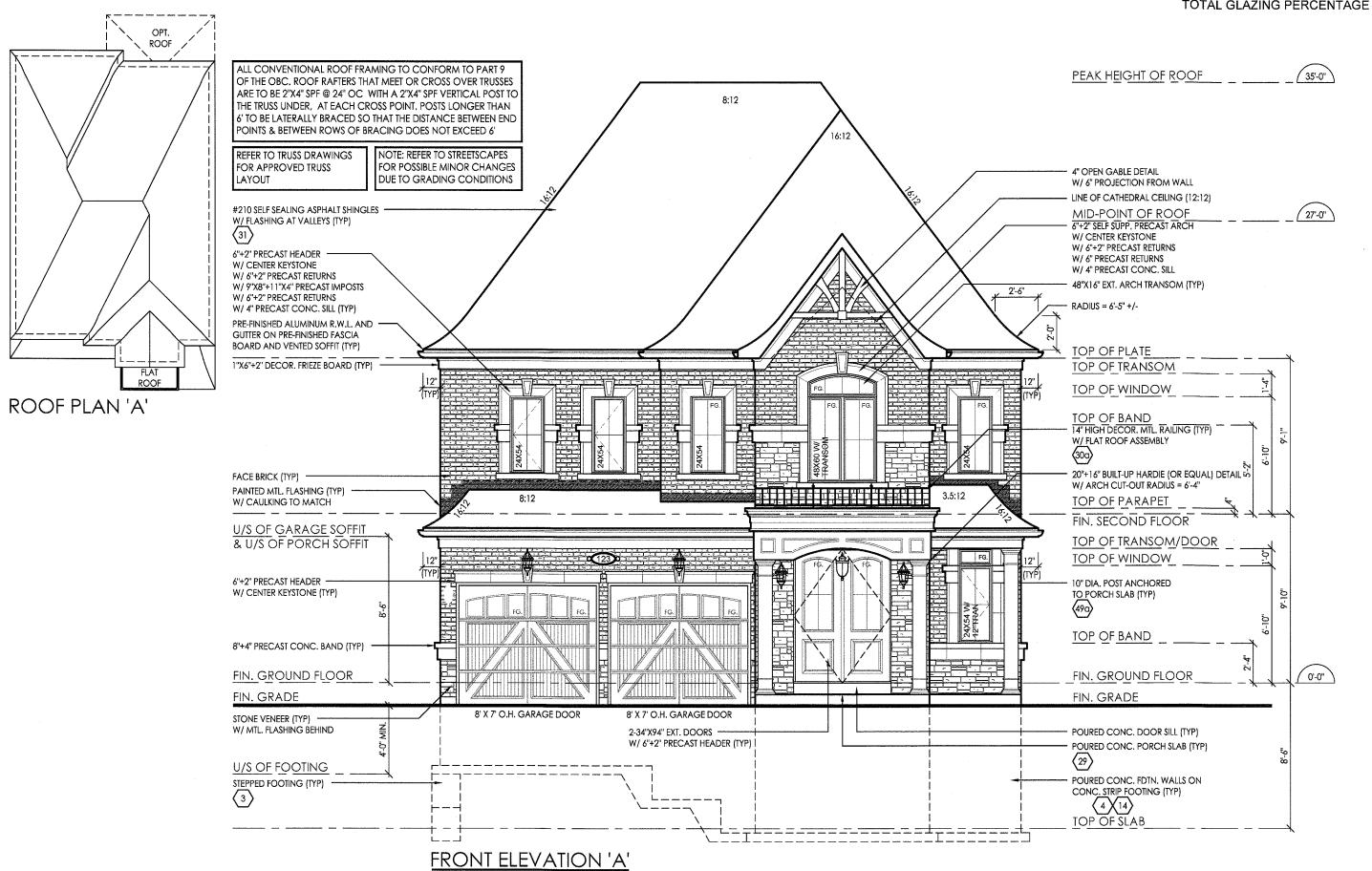
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GROSS GLAZING AREA EL. 'A' - STD. SEC. FLR. PLAN

TOTAL PERIPHERAL WALL AREA	3330.99 SF	309.45 m²
FRONT GLAZING AREA	62.28 SF	5.79 m²
LEFT SIDE GLAZING AREA	48.81 SF	4.53 m²
RIGHT SIDE GLAZING AREA	59.5 SF	5.53 m²
REAR GLAZING AREA	157.69 SF	14.65 m²
TOTAL GLAZING AREA	328.28 SF 9.86 %	30.50 m²

GROSS GLAZING AREA EL. 'A' - OPT. SEC. FLR. PLAN

TOTAL PERIPHERAL WALL AREA	3330.99 SF	309.45 n
FRONT GLAZING AREA	62.28 SF	5.79 n
LEFT SIDE GLAZING AREA	61.58 SF	5.72 n
RIGHT SIDE GLAZING AREA	53.39 SF	4.96 n
REAR GLAZING AREA	157.69 SF	14.65 n
TOTAL GLAZING AREA TOTAL GLAZING PERCENTAGE	334.94 sf 10.06 %	31.12 n



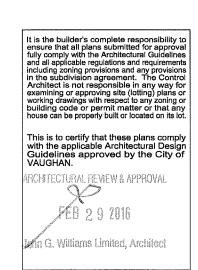


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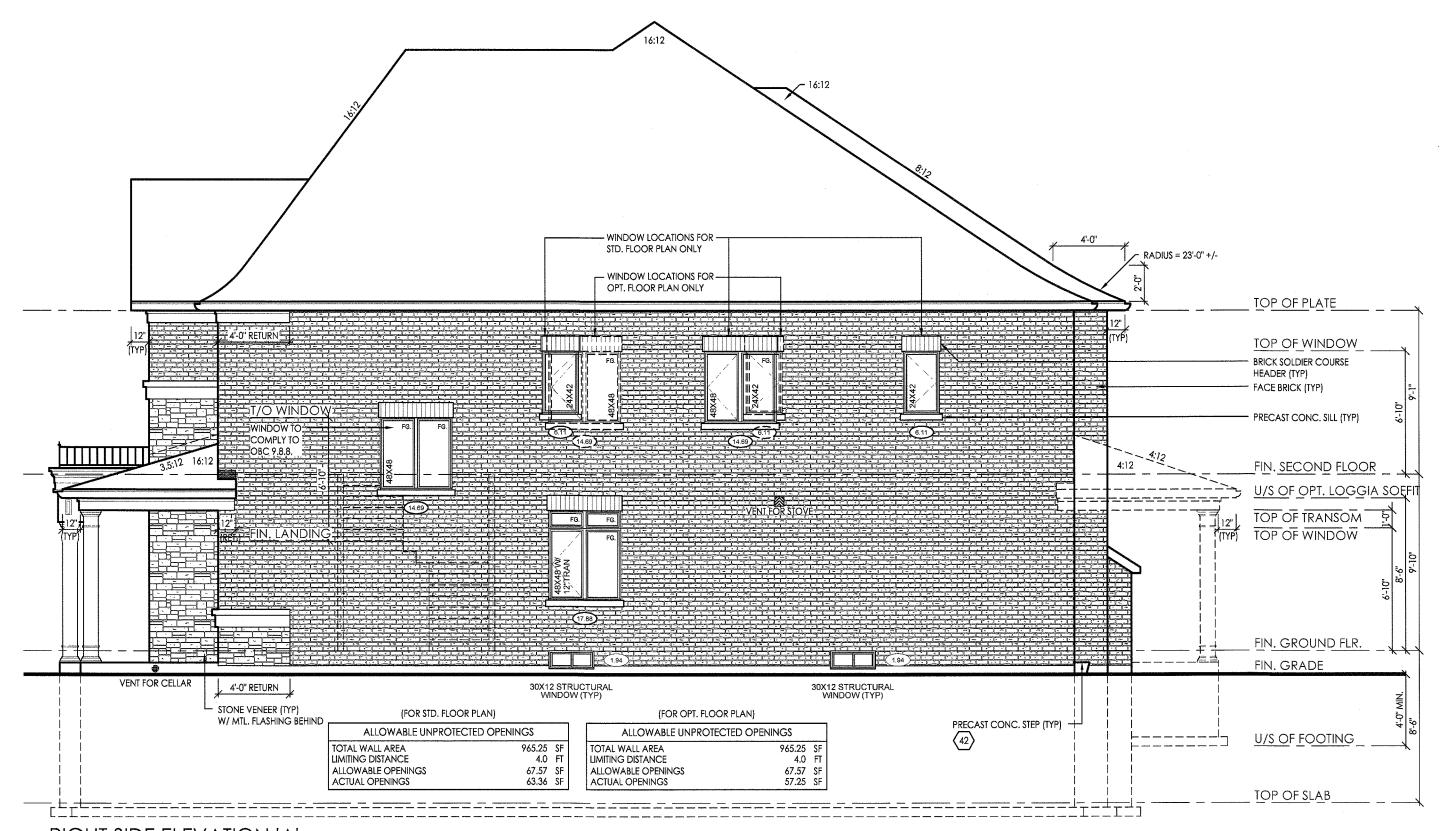
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RIGHT SIDE ELEVATION 'A'

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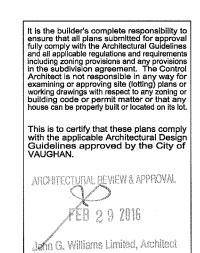


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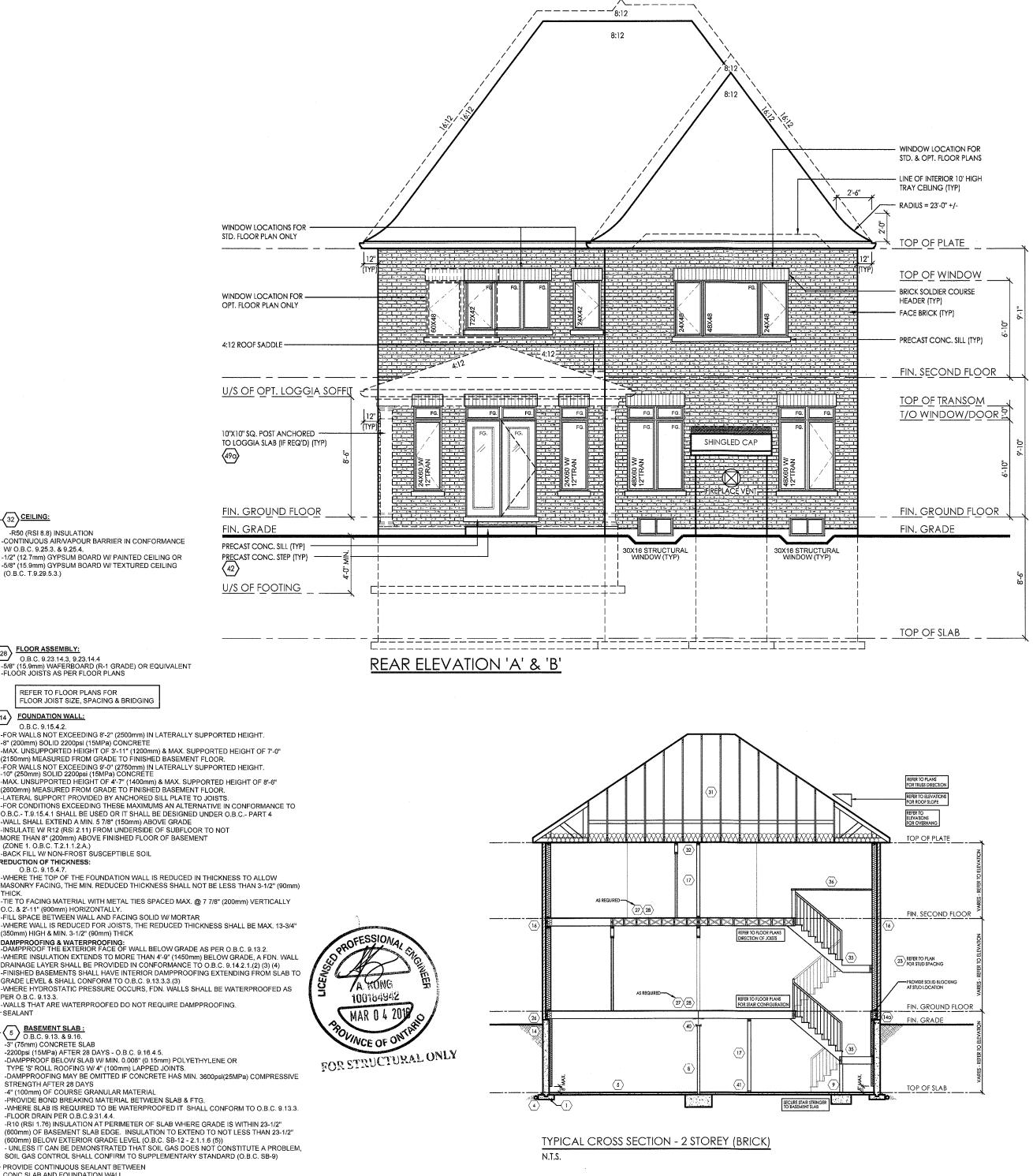
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project # 14043

scale 3/16" = 1'-0"

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31 TYPICAL ROOF: O.B.C. 9.26. O.B.C. 9.26.

-NO. 210 (30. 5KG/m2) ASPHALT SHINGLES

-FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES

PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11"

(900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm)

PAST THE INSIDE FACE OF EXTERIOR WALL.

-EAVES PROTECTION LAID BENEATH STARTER STRIP.

-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.

-STARTER STRIP AS PER O.B.C. 9.26.7.2.

-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

-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO -R50 (RSI 8.8) INSULATION -CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
-TRUSS BRACING AS PER TRUSS MANUFACTURER -1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR -5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING -EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT -ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, (O.B.C. T.9.29.5.3.) WALL TO CEILING & WALL TO FLOOR AIR/VAPOUR BARRIER JOINT--OVERLAP BARRIER BY 4" MIN AND MECHANICALLY SEALED - or TO BE SEALED WITH CONTINUOUS CAULKING SEALANT BRICK VENEER CONSTRUCTION (TYPICAL):

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 -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.-(ZONE 1. O.B.C. T.2.1.1.2.A.) 9.25.3. & 9.25.4. A/B MECHANICALLY SEALED or PROVIDE CONTINUOUS SEALANT AT OVERLAPPED JOINTS IN AIR/VAPOUR BARRIER (TYPE HEADER WRAP IS TO EITHER OVERLAP AIR/VAPOUR BARRIER BY 4"or TO BE SEALED WITH CONTINUOUS CAULKING SEALANT (TYP) 26 SILL PLATE:
O.B.C. 9.23.7.
-2" X 6" (38mm X 140mm) 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 FDN. WALL. INTO FDN. WALL.
-SILL PLATE TO BE CAULKED, OR PLACED ON A LAYER OF MINERAL WOOL NOT LESS THAN 1" (25mm) THICK BEFORE COMPRESSING, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR. FIN. GRADE METAL FLASHING TO EXTEND -UP BEHIND BRICK MIN 6" 2 TYPICAL STRIP FOOTING:
(EXTERIOR BEARING WALLS)
O.B.C. 9.15.3. & 9.15.3.6

- 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

REFER TO FLOOR PLANS FOR FLOOR JOIST SIZE, SPACING & BRIDGING

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

-0 (2001nm) 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.

-FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN CONFORMANCE TO O.B.C.- T.9.15.4.1 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/ R12 (RSI 2.11) FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT

-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)

O.C. & 2'-11" (900mm) HORIZONTALLY. -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. 9.13.2.
-WHERE INSULATION EXTENDS TO MORE THAN 4'-9" (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 BASEMENTS SHALL HAVE INTERIOR DAMPPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3.(3)
-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS

-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMPPROOFING.

5 BASEMENT SLAB: 0.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(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. SB-12 - 2.1.1.6 (5)) UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFIRM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9) PROVIDE CONTINUOUS SEALANT BETWEEN

CONC SLAB AND FOUNDATION WALL

TYPICAL EXTERIOR WALL SECTION- BRICK

SCALE: 3/4"= 1'-0"

O.B.C. 9,15.3. & 9.15.3.6

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

-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

CAPACITY (AS PER SOILS ENGINEERING REPORT)

GRANULAR FILL W/ MIN. 29psi (200kPa) BEARING CAPACITY

-FTG. TO HAVE CONTINUOUS KEY

-FTG. SIZES MAY BE REDUCED FOR SOILS W/ GREATER BEARING

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I, JULIO PINZON 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:

SIGNATURE:

It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Control Architect is not responsible in any way for examining or approving site (lotting) plans or building code or permit matter or that any house can be properly built or located on its lot. This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the City of VAUGHAN. ARCHITECTURAL REVIEW & APPROVAL FEB 2 9 2016

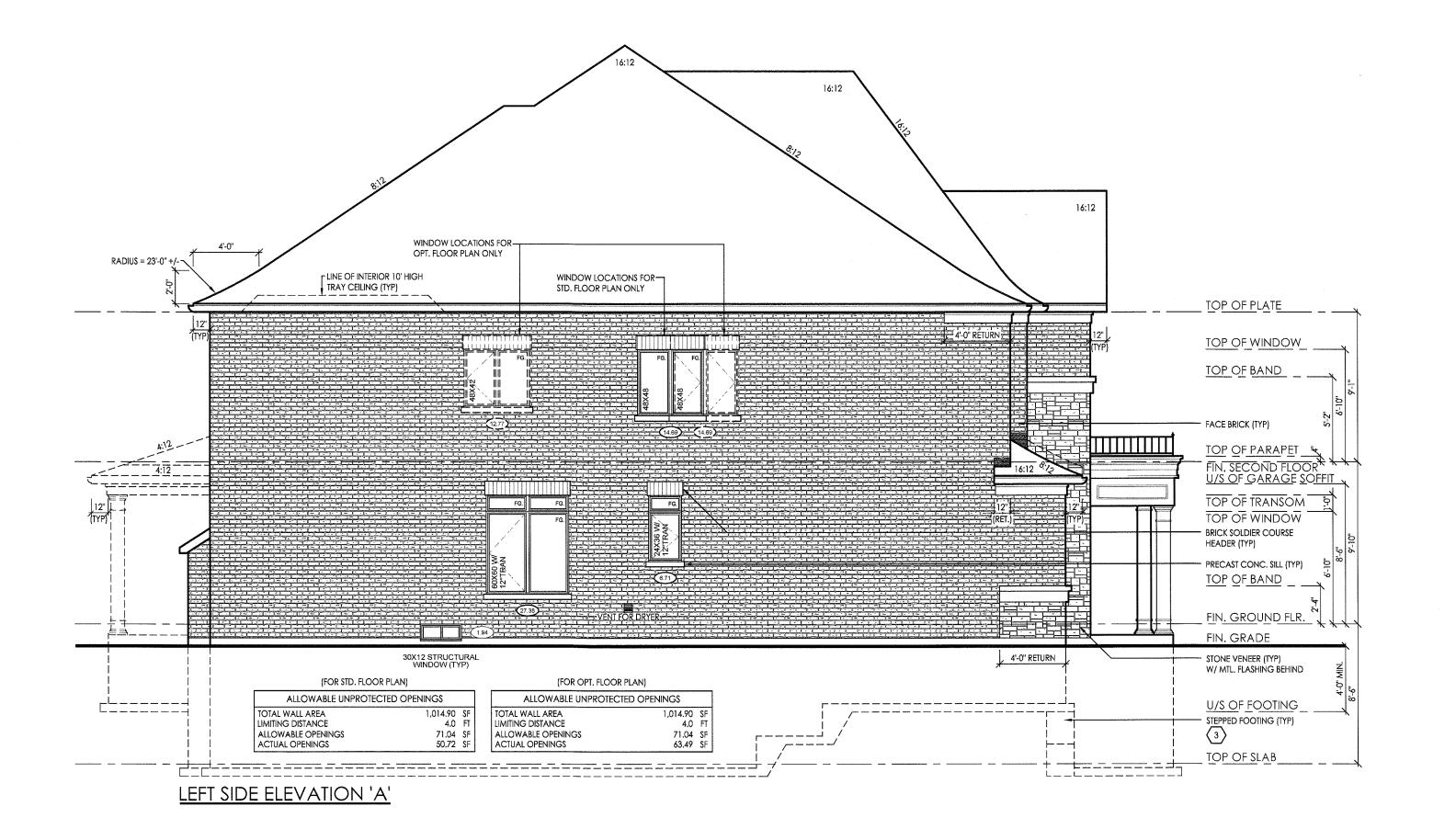
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1	ISSUED FOR CLIENT REVIEW	MAR-23-15	KK	CR
2	REVISED AS PER CLIENT COMMENTS	12/18/2015	CR	CR
3	ISSUED FOR PERMIT	24-FEB-16	JP	JP
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Gold Park Homes

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RN design

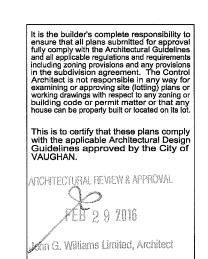
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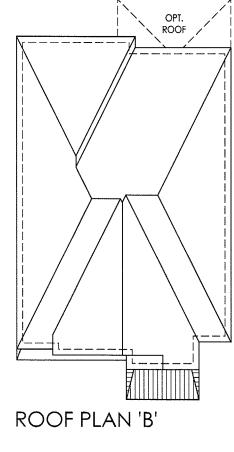
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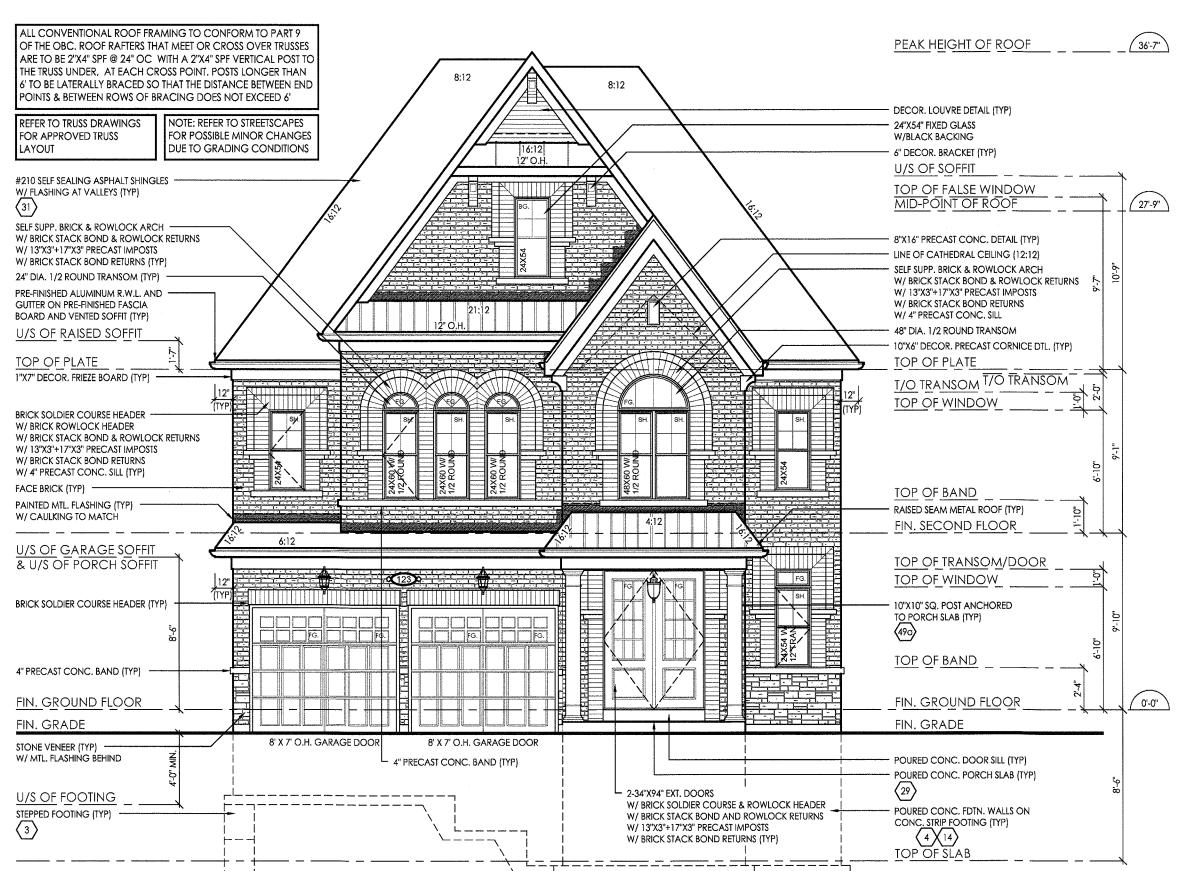
GROSS GLAZING AREA EL. 'B' - STD. SEC. FLR. PLAN

TOTAL PERIPHERAL WALL AREA	3330.99 SF	309.45 m
FRONT GLAZING AREA	70.47 SF	6.55 m
LEFT SIDE GLAZING AREA	48.81 SF	4.53 m
RIGHT SIDE GLAZING AREA	59.5 SF	5.53 m
REAR GLAZING AREA	157 69 SF	14.65 m
TOTAL GLAZING AREA TOTAL GLAZING PERCENTAGE	336.47 SF 10.10 %	

GROSS GLAZING AREA EL. 'B' - OPT. SEC. FLR. PLAN

TOTAL PERIPHERAL WALL AREA	3330.99 SF	309.45 m²
FRONT GLAZING AREA	70.47 SF	6.55 m²
LEFT SIDE GLAZING AREA	61.58 SF	5.72 m²
RIGHT SIDE GLAZING AREA	53.39 SF	4.96 m²
REAR GLAZING AREA	157.69 SF	14.65 m²
TOTAL GLAZING AREA TOTAL GLAZING PERCENTAGE	343.13 SF 10.30 %	31.88 m²





FRONT ELEVATION 'B'

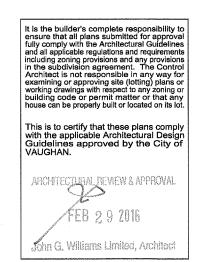
RN designation



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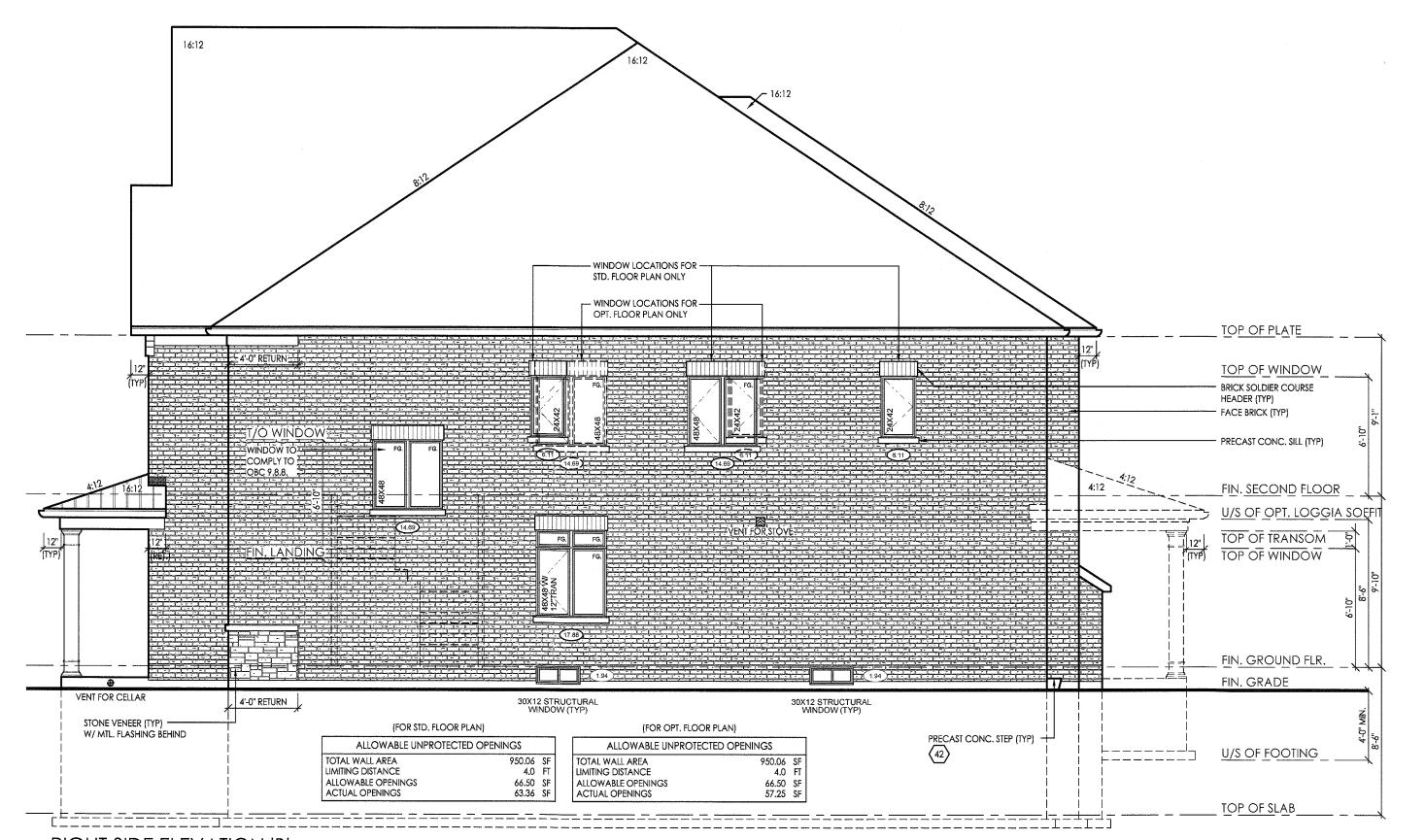
model

42-1

project # 14043

scale 3/16'' = 1'-0''

page



RIGHT SIDE ELEVATION 'B'

RN design

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

ARCHITECTURAL REVIEW & APPROVAL

Ann G. Williams Limited, Architect

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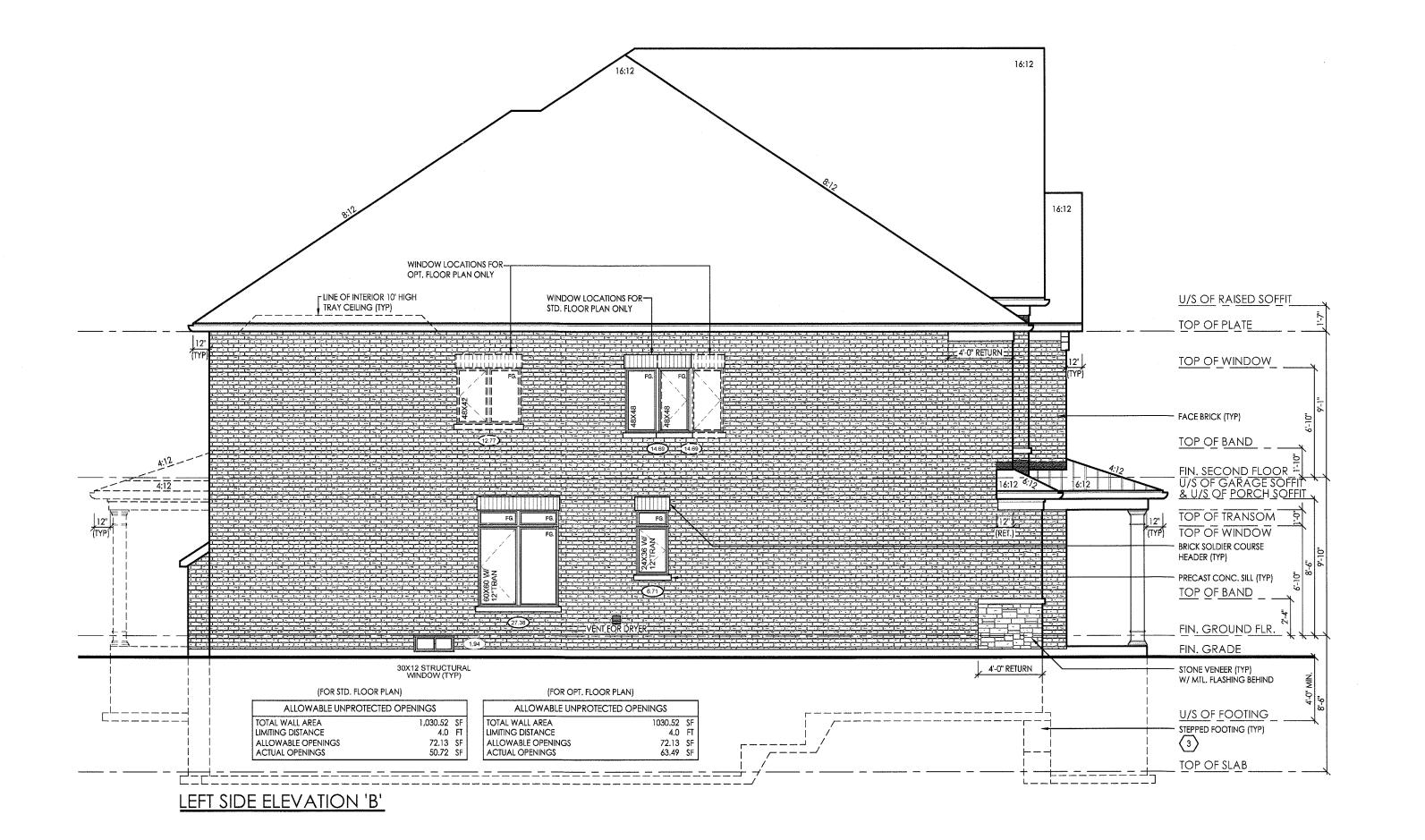
client

Gold Park Homes

project	Huntington & Nashville Kleinburg
model	42-1
model	42-1

scale 3/1/4" - 1'_0"

scale 3/16" = 1'-0"







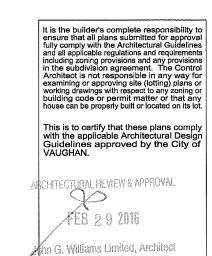


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Gold Park Homes

project	Huntington &
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project # 14043

scale 3/16" = 1'-0"