GENERAL NOTES

CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE 2012 ALL CONSTRUCTION PRACTICES TO COMPLY W/ ONTARIO BUILDING CODE REGULATIONS ALL DIMENSIONS GIVEN FIRST IN METRIC (mm) FOLLOWED BY IMPERIAL

WOOD FRAME CONSTRUCTION

SHALL BE IDENTIFIED BY A GRADE STAMP

•EXTERIOR WALLS SHALL CONSIST OF

•INTERIOR WALLS SHALL CONSIST OF

LUMBER SHALL BE SPRUCE-PINE-FIR No. 1 & 2, AND

•MAX. MOISTURE CONTENT 19% @ TIME OF INSTALLATION

ONC. IN DIRECT CONTACT W/ SOIL SHALL BE SEPARA

FROM THE CONC. W/ $0.05 \mathrm{mm}$ (0.002") POLYETHYLENE OR TYPE 'S' ROLL ROOFING

SIZED ON THE DRAWINGS

∘GYPSUM WALL BOARD

oGYPSUM WALL BOARD

BRICK / STONE - SOLID MASONRY ASSEMBLY

BRICK VENEER

FRAME WALL CONSTRUCTION (2"x6")

●12.7mm (1/2") EXTERIOR TYPE SHEATHING

RSI 4.23 (R24) INSULATION (CONTINUOUS)

FRAME WALL CONSTRUCTION (2"x6") BRICK VENEER 45min F.R.R.

•25mm (1") AIR SPACE

LESS THAN 1.2m (3'-11'

•38x140mm (2"x6") WOOD STUDS @ 400mm (16") O.C.

•12.7mm (1/2") INTERIOR GYP. WALL BOARD FINISH

0.15mm (0.006") AIR/VAPOUR BARRIER TO CONFORM TO CAN

PROVIDE 10mm (3/8") WEEP HOLES MAX. 800mm (32") O.C. IN

•25x178x0.76mm (1"x7"x0.03") GALVANIZED METAL TIES @ 400

•0.15mm (0.006") CONT. AIR/VAPOUR BARRIER LAPPED MIN. 100mm (4" @ JOINTS & TO CONFORM TO CAN/ CGSB-51.34-M & SUBSECTIONS 9.25.3. & 9.25.4. OF THE O.B.C.

PROVIDE 10mm (3/8") WEEP HOLES MAX. 800mm (32") O.C. IN STARTER

BOARD & BATTEN, STUCCO BOARD OR ALUMINUM CLAD FINISH

BOARD & BATTEN. STUCCO BOARD OR ALUM. SIDING AS PER

•ADD 2" SM (R7.5) RIGID FOAM INSULATION (CONTINUOUS) TO EXT

ELEVATION TO CONFORM TO MANUF. SPEC

COARSE & OVER OPENINGS PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER

●0.7 Kg/m2/ (#15) BUILDING PAPER ●12.7mm (1/2") DENSE GLASS OR CEMENT BOARD

•RSI 4.23 (R24) INSULATION (CONTINUOUS)

•38x140mm (2"x6") WOOD STUDS @ 400mm (16") O.C.

PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER

•PROVIDE BRICK OR STONE SILLS UNDER ALL OPENINGS & FLASH

CGSB-51.34-M & SUBSECTIONS 9.25.3. & 9.25.4 OF THE O.B.C

•MIN. 90mm (4") FACE BRICK

•25mm (1") AIR SPACE

90mm (4") OR 75mm (3") FACE BRICK OR STONE

○DOUBLE TOP PLATE ○MID-GIRTS IF NOT SHEATHED

oCLADDING oAIR BARRIER SYSTEM LAPPED 100mm (4")

@ JOINTS

oLUMBER, PLYWOOD, OSB OR GYPSUM

WOOD STUDS @ 400mm (16") O.C. AS

∘WOOD STUDS @ 400mm (16") O.C. AS SIZED ON THE DRAWINGS

 $\bullet 90$ mm (4") BLOCK W/ 2 LAYERS 6mm (1/4") PARGING & 1 LAYER 1/8" STUCCO FINISH CONFORMING TO 0.B.C. 9.28

•25x178x0.76mm (1"x7"x0.03") GALVANIZED METAL TIES @ 400mm (16 D.C. HORIZONTAL & 600mm (24") O.C. VERTICAL NOT TO COMPRESS THE EXTERIOR SHEATHING

PROVIDE BRICK OR STONE SILLS UNDER ALL OPENINGS & FLASH

•EXPOSING BUILDING FACE (O.B.C. 9.10.14.4, & 9.10.14.5.) EXT. WALLS HAVE A F.R.R. OF NOT LESS THAN 45min WHERE LIMITING DISTANCE IS LESS THAN 1.2m (3'-11")

C. HORIZONTAL & 600mm (24") O.C. VERTICAL NOT TO COMPRESS

•0.7 Kg/m2/ (#15) BUILDING PAPER (AIR BARRIER) TO OVERLAP @

VIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER

PROVIDE 10mm (3/8") WEEP HOLES MAX. 800mm (32") O.C. IN

RSI 4.23 (R24) INSULATION (CONTINUOUS

(SEE O.B.C. 9.23.)

EXCAVATION & BACKFILL (SEE O.B.C. 9.12.) EXCAVATION SHALL BE UNDERTAKEN IN SUCH A MANN SO AS TO PREVENT DAMAGE TO EXISTING STRUCTURES SOTTOM OF EXCAVATIONS FOR FOUNDATIONS SHALL BE FREE OF ALL ORGANIC MATERIAL & WOOD DEBRIS SHALL BE REMOVED TO A MIN. DEPTH O

250mm (10") IN DIA.

VOOD ELEMENTS & THE GROUND SHALL BE NO LESS THAN

DAMPPROOFING & DRAINAGE IN NORMAL SOIL CONDITIONS, THE EXTERIOR SURFACE

 MASONRY FOUNDATION WALLS SHALL BE PARGED W/ 6mm
OF MORTAR COVED OVER THE FOOTING PRIOR TO EVEL, UNDISTURBED GROUND ADJACENT TO THE OOTINGS AT OR BELOW THE TOP OF THE BASEMENT SLAB OR CRAWL SPACE FLOOR & SHALL BE COVERED W/ 150mm 5") OF CRUSHED STONE. FOUNDATION DRAINS SHALL BRAIN TO A STORM SEWER, DRAINAGE DITCH, DRY WELL BY SIMP.

 DOWNSPOUTS NOT DIRECTLY CONNECTED TO A STORM SEWER SHALL HAVE EXTENSIONS TO CARRY WATER AWA' FROM THE BUILDING & PROVISIONS SHALL BE MADE TO PREVENT SOIL EROSION •CONCRETE SLABS IN ATTACHED GARAGES SHALL BE SLOPED TO DRAIN TO THE EXTERIOR •THE BUILDING SITE SHALL BE GRADED SO THAT SURFACE, SUMP & ROOF DRAINAGE WILL NOT ACCUMULATE AT OR NEAR THE BUILDING & WILL NOT ADVERSELY AFFECT ADJACENT PROPERTIES

(SEE O.B.C. 9.15.3.) •FOOTING MIN. 15MPa POURED CONCRETE •FOOTINGS SHALL BE MIN 1200mm (4'-0") BELOW FINISHED GRADE FOOTINGS SHALL BE FOUNDED ON NATURAL UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL W/ MIN. BEARING CAPACITY OF 75KPa OR 100 KPa FOR ICW

FOOTING SIZES •INCREASE EXTERIOR FOOTING WIDTH BY 65mm (2.5/8") FOR EACH STOREY OF BRICK VENEER SUPPORTED, BY 130n STOREY OF MASONRY (5 1/8") & BY 150mm (6") FOR ICF FOUNDATION WALLS

 FOUNDATION WALL TO BE POURED CONCRETE, UNIT MASONRY (CONC. BLOCK), ICF OR PRESERVED WOOD (SEE DRAWINGS FOR TYPE & THICKNESS) DAMPPROOFING SHALL BE A HEAVY COAT OF BITUMINOUS •FOUNDATION WALL TO EXTEND MIN. 150mm (6") ABOVE FIN.

•LATERAL SUPPORT OF WALL PROVIDED BY ANCHORED SILL •DRAINAGE LAYER REQUIRED ON THE OUTSIDE OF A FND. WAL oMIN. 19mm MINERAL FIBRE INSULATION WITH
MIN. DENSITY OF 57 kg/m3 / ;
oMIN. 100mm OF FREE DRAINAGE
GRANULAR MATERIAL; OR ○AN APPROVED SYSTEM WHIC EQUIVALENT PERFORMANCE

1 <u>STRIP FOOTINGS</u> (SEE O.B.C. 9.15.3.) •SUPPORTING EXTERIOR WALLS •CONTI, KEYED CONC. FOOTING (FOR POURED CONC. FND. •MIN. 15 MPa (2200 PSI) POURED CONCRETE AT 28 DAYS •FOOTING SIZE FOR TWO STOREY BRICK VENEER 508 x 00mm (20" x 8") ASSUMING MAX. LIVE LOAD OF 2.4 KPa (50 PSI) PER FLOOR & MAX. LENGTH OF SUPPORTING FLOOR JOISTS IS 4.9 m (16'-1") UNLESS OTHERWISE NOTED ON PLAN & DETAILS •ALL FOOTINGS SHALL REST ON NATURAL LINDISTURBED SOIL COMPACTED GRANULAR FILL W/ MIN. BEARING CAPACITY OF 150 KPa (21.76 PSI) OR GREATER

•MAX. WALL HT. 2300mm (7"-7") USING 250mm (10") POURED CONC. 20 MPa (2900 PSI) @ 28 DAYS

•FOUNDATION WALL TO EXTEND MIN. 150mm (6") ABOVE FIN.

OOF THE EXTERIOR FACE OF THE WALL BELOW

•WATERPROOF THE EXTERIOR FACE OF WALL BELOW GRADE IN CONFORMANCE W/ SUBSECTION 9.13.3. OF THE

•DRAINAGE LAYER REQUIRED ON THE OUTSIDE OF A FNI

•90mm (4") OR 75mm (3") FACE BRICK OR STONE

•WEEP HOLES @ MIN. 800mm (32") APART

(2B) FND. WALL REDUCTION IN THICKNESS

O.5mm (0.02") POLY FLASHING MIN. 150mm (6") UP BEHIND SHEATHING PAPER

•WHERE THE TOP OF A FOUNDATION IS REDUCED IN THICKNESS TO PERMIT INSTALLATION OF A FLOOR JOISTS, THE REDUCED SECTION SHALL BE NOT MORE THAN 350mm (13 3/4") THICK & NOT LESS THAN 90mm (3 1/2") THICK

•WHERE THE TOP OF A FOUNDATION IS REDUCED IN THICKNESS TO PERMIT INSTALLATION OF A BRICK VENEER EX FACING, THE REDUCED SECTION SHALL BE NOT LESS THAN 90mm (3 1/2") THICK & SHALL BE TIED TO THE FACING MATERIA W/ METAL TIES SPACED 200mm (8") O.C. VERT. & 900mm (36")

TILL SPACE BETWEEN WALL & FACING SOILD W/ MORTAR

200mm (8") POURED CONC. WALL 20 MPa (2900 PSI)

•200mm (8") POLIRED CONC. WALL 20 MPa (2900 PS

•MAX. WALL HT. 2300mm (7'-7") USING 250mm (10") POURED CONC. 20 MPa (2900 PSI) @ 28 DAYS

•FOUNDATION WALL TO EXTEND MIN. 150mm (6") ABOVE FIN.

ON 1'-8" x 8" DEEP POURED CONC. FTG. ON UNDISTURBED

•MAX. WALL HT. 2300mm (7'-7") USING 250mm (10") POURED

•FOUNDATION WALL TO EXTEND MIN. 150mm (6") ABOVE FIN.

mm (8") POURED CONC. WALL 20 MPA (2900 PSI) ENGTH @ 28 DAYS W/ 10M BARS @ 16" O.C. & 10M BARS @ J.C. (HORIZONTAL) & TIED TO FIT W/ 10M DOWELS @ 16" (VERTICAL) MIN 16" LONG

•MIN. 1200mm (4'-0") BELOW FIN. GRADE

(2) FOUNDATION WALL

(SEE O.B.C. 9.15.4.)

(2A) BRICK VENEER @ FND. WALL

(SEE O.B.C. 9.15.4.7.)

(SEE O.B.C. 9.15.4.7.)

FRAME WALL CONSTRUCTION (2"x6")
ALUMINUM / VINYL / WOOD CLADDING STEP FOOTINGS $\bullet \text{ALUM}.$ OR SIDING CLADDING AS PER ELEVATION TO CONFORM TO MANUF. SPECS. (SEE O.B.C. 9.15.3.9) •STEP FOOTINGS: MIN. HORIZONTAL STEP 600mm (2'-0") MAX. VERTICAL STEP 600mm (2'-0") •ALUM, CLADDING TO CONFORM TO SUBSECTION 9,27,11, OF THE O.B.C. •0.7 Kg/m2/ (#15) BUILDING PAPER 1B) WEEPING TILE •12.7mm (1/2") EXTERIOR TYPE SHEATHING OVER @ AROUND ALL FOOTINGS, INCLUDING GARAGE •2" SM (R7.5) RIGID FOAM INSULATION (CONTINUOUS) •38x140mm (2"x6") WOOD STUDS @ 400mm (16") O.C. (1C) GRADE

●RSI 4.23 (R19) INSULATION SEMI-SOLID BLOCK COARSE (FOR CONCRETE BLOCK FND. WALL) AT OR BELOW GRADE LEVEL •ADD 40mm (2") CONTINUOUS SM RIGID INSULATION TO EXT. SHEATHING •0.15mm (0.006") AIR/VAPOUR BARRIER TO CONFORM T •12.7mm (1/2") INTERIOR GYP. WALL BOARD FINISH •250mm (10") POURED CONC. WALL 20 MPa (2900 PSI

●PROVIDE BRICK OR STONE SILLS LINDER ALL OPENINGS & FLASH FRAME WALL CONSTRUCTION (2"x6")
ALUMINUM CLADDING

•ALUM. CLADDING AS PER ELEVATION TO CONFORM TO MANUF. SPECS •ALUM. CLADDING TO CONFORM TO SUBSECTION 9.27.11. OF THE O.B.C. •0.7 Kg/m2/ (#15) BUILDING PAPER •12.7mm (1/2") DENSE GLASS OR CEMENT BOARD •2" SM (R7.5) RIGID FOAM INSULATION (CONTINUOUS) •38x140mm (2"x6") WOOD STUDS @ 400mm (16") O.C. •RSI 4.23 (R-19) CONTINUOUS INSULATION • ADD 40mm (2") RIGID INSULATION (CONTINUOUS) TO EXT. SHEATHING JOINTS & TO CONFORM TO CAN/ CGSB-51.34-M & SUBSECTIONS 9.25.3. & 9.25.4. OF THE O.B.C. RECEIVE PAINT FINISH OR OTHERWISE NOTED LESS THAN 1.2m (3'-11")

5 STUCCO FINISH •STUCCO WALL FINISH ON 50mm (2") SM (R7.5) RIGID FOAM •STUCCO FINISH TO CONFORM TO SECTION 9.28. OF THE O.B.C. FRAME WALL CONSTRUCTION (2"x6")
STUCCO FINISH

•STUCCO WALL FINISH ON 50mm 2" SM (R7.5) RIGID FOAM INSULATION (CONTINUOUS) •STUCCO FINISH TO CONFORM TO SECTION 9.28. OF THE O.B.C. •0.7 Kg/m2/ (#15) BUILDING PAPER •12.7mm (1/2") EXTERIOR TYPE SHEATHING •38x140mm (2"x6") WOOD STUDS @ 400mm (16") O.C. •RSI 4.23 (R-19) CONTINUOUS INSULATION ●0.15mm (0.006") AIR/VAPOUR BARRIER TO CONFORM TO CAN/CGSB-51.34-M & SUBSECTION 9.25.3. & 9.25.4. OF THE O.B.C •12.7mm (1/2") INTERIOR GYP. WALL BOARD FINISH

FRAME WALL CONSTRUCTION (2"x6")

•STUCCO FINISH TO CONFORM TO SECTION 9.28. OF THE O.B.C. ●0.7 Kg/m2/ (#15) BUILDING PAPER •12.7mm (1/2") DENSE GLASS OR CEMENT BOARD •2" SM (R7.5) RIGID FOAM INSULATION (CONTINUOUS) ●38x140mm (2"x6") WOOD STUDS @ 400mm (16") O.C. •RSI 4.23 (R-19) CONTINUOUS INSULATION •0.15mm (0.006") CONT. AIR/VAPOUR BARRIER LAPPED MIN 100mm (4") @ JÓINTS & TO CONFORM TO CAN/ CGSB-51.34-M & SUBSECTIONS 9.25.3. & 9.25.4. OF THE O.B.C. •12.7mm (1/2") TYPE 'X' GYP, WALL BOARD, SANDED & SEALE READY TO RECEIVE PAINT FINISH OR OTHERWISE NOTE EXPOSING BUILDING FACE (O.B.C. 9.10.14.4, & 9.10.14.5.) EX WALLS HAVE A F.R.R. OF NOT LESS THAN 45min WHERE LIMITING DISTANCE IS LESS THAN 1.2m (3'-11") (6) INTERIOR STUD PARTITION 11) ROOF CONSTRUCTION •38x89mm (2"x4") @ 400mm (16") O.C. FOR LOAD BEARING WALLS, 38x89mm (2"x4") @ 600mm (24") O.C. NON LOAD BEARING •20 YEAR ASPHALT SHINGLES W/ EAVES PROTECTION •TYPE 'S' ROLL ROOFING FROM EDGE OF ROOF EXTENDING A •12.7mm (1/2") INT. GYPSUM WALLBOARD ON BOTH SIDES MIN. DISTANCE OF 900mm (3') UP THE ROOF •38x89mm (2"x4") BOTTOM PLATE, 2-38x89mm (2"x4") TOP PLATE, TRIPLE STUDS @ CORNERS •MIN. 9.5mm (3/8") PLYWOOD SHEATHING W/ 'H' CLIPS APPROVED WOOD TRUSSES @ 600mm (24") O.C. OR ●PROVIDE 38x140mm (2"x6") STUDS/PLATES WHERE NOTED CONVENTIONAL FRAMING (SEE PLANS)

(6A) INTERIOR STUD PARTITION (FOR 2 STOREYS) CERTIFICATE @ 1830mm (6'-0") O.C. BOTTOM CORD FOR ROOF SLOPES 4 : 12 OR GREATER •38x89mm (2"x4") @ 400mm (16") O.C. FOR 2 STOREYS OR •ALUM. EAVESTROUGH ON ALUM. FASCIA & ALUM. VENTED •38x89 (2"x4") @ 300mm (12") O.C. FOR 3 STOREYS ROOF INSULATION •12.7mm (1/2") INT, GYPSUM WALLBOARD ON BOTH SIDES •ATTIC VENTILATION 1: 300 OF INSULATED CEILING AREA ●38x89mm (2"x4") BOTTOM PLATE, 2-38x89mm (2"x4") TOP PLATE UNIFORMLY DISTRIBUTED •38x89mm (2"x4") INTERMEDIATE BLOCKING •MIN. RSI 8.81 (R60) FIBREGLASS INSULATION ●PROVIDE 38x140mm (2"x6") STUDS/PLATES WHERE NOTED •0.15mm (0.006") AIR/VAPOUR BARRIER CONFORMING TO SUBSECTIONS 9.25.3. & 9.25.4. OF THE O.B.C.

•MIN. 15.9mm (5/8") GYP. WALL BOARD OR APPROVED EQUAL (LOAD BEARING) •38x140mm (2"x6") @ 400mm (16") O.C. 11B CONVENTIONAL ROOF FRAMING •12.7mm (1/2") INT. GYPSUM WALLBOARD ON BOTH SIDES •38x140mm (2"x6") BOTTOM PLATE, 2-38x140mm (2"x6") TOP PLATES •38x140mm (2"x6") INTERMEDIATE BLOCKING 7 BEARING STUD PARTITION (BASEMENT) •RAFTERS FOR BUILT-UP ROOF TO BE 38x89mm (2"x4") @ 600mm (24") O.C. W/ A 38x89 (2"x4") CENTRE POST TO THE TRUSS BELOW, LATERALLY BRACED @ 1800mm (6'-0") O.C. VERTICALLY

•MIN. 64mm (2 1/2") RSI 5.46 (R31) FIBREGLASS INSULATION

●ROOF VENTILATION 1:150 OF INSULATED ROOF AREA

•0.15mm (0.006") AIR/VAPOUR BARRIER CONFORMING TO

•MIN. 15.9mm (5/8") GYP. WALL BOARD OR APPROVED EQUAL

EAVESTROUGH & RAIN WATER LEADERS TO MATCH EXIS

EXTEND VAPOUR/AIR BARRIER & SEAL TO JOIST & SUBFLOOR

•2-38x140mm (2"x6") BOTTOM PLATE, 2-38x140mm (2"x6") TOP PLATE

•38mm (1 1/2") CONT. RIGID FOAM INSULATION (OPTIONAL)

●PRE-PAINTED GALV, METAL FLASHING OVER 1-SITE CUT 8

PLY CARRY OVER CANT STRIP & UP & OVER PARAPET

●ROOF FRAMING TO BE 38x89mm (2"x4") RAFTERS @ 400mm (16")

•FACE BRICK, STONE, CLADDING OR STUCCO FINISH AS PER

•38x140mm (2"x6") WOOD STUDS @ 400mm (16") O.C.

12B GABLE CONSTRUCTION

VERLAY TO THE ROOF

FRAME CONSTRUCTION

●0.7 KG/m2 / (#15) BUILDING PAPER

TIONS 9.25.3. & 9.25.4. OF THE O.B.C.

OVERHANG CONSTRUCTION

●PREFINISHED ALUMINUM FASCIA

ROOF CONSTRUCTION FLAT ROOF •12.7mm (1/2") INT. GYPSUM WALLBOARD ON BOTH SIDES •38x89mm (2"x4") BOTTOM PLATE, 2-38x89mm (2"x4") TOP PLATE ●38x140mm (2"x6") TREATED WOOD SLEEPERS @ 16" O.C. •241mm (9 1/2") LPI-20 PLUS ROOF JOISTS @ 400mm (16" O.C.) •38x89mm (2"x4") INTERMEDIATE BLOCKING •ENSURE MIN. 64mm (2 1/2") VENT SPACE ABOVE INSULATION •PROVIDE 38x140mm (2*x6*) STUDS/PLATES WHERE NOTED & ADJUST SIZE OF CONC. CURB TO ALLOW FOR WOOD STUDS TO BEAR ON CONC.

BASEMENT INSULATION & STRAPPING •RSI 3.52 (R20) CONTINUOUS INSULATION W/ 38x89mm (2"x4") WOOD STUDS @ 400mm (16") O.C. PULLED 38mm (2") AWAY FOUNDATION WALL OR 38x89mm (2"x4") WOOD STUDS mm (16") O.C. STAND OFF FROM FND. WALL RSI 2.11 •25x178x0.76mm (1"x7"x0.03") GALVANIZED METAL TIES @ 400mm (16 ONTINUOUS INSULATION W/ RSI 1.76 (R10) CONTINUOUS RIGID INSULATION U/SIDE OF THE SUBFLOOR DOWN TO FULL BASEMENT HEIGHT OF THE O.B.C. TO HEIGHT OF EXTERIOR GRADE BETWEEN FOUNDATION WALL & WOOD FRAMING

(6B) INTERIOR STUD PARTITION

(9) SILL PLATE ●PROVIDE DRIP EDGE AT FASCIA & VENTED SOFFIT (SEE O.B.C. 9.23.7.) •38x89mm (2"x4") SILL PLATE W/ MIN. 12.7mm (1/2") DIA. ANCHOI BOLTS 200mm (8") LONG MIN. EMBEDDED MIN. 100mm (4") INTO CONC. @ 2400mm (7'-10") O.C. MAX. 12A PARAPET WALL CONSTRUCTION •FACE BRICK, STONE, CLADDING OR STUCCO FINISH AS PER OF THE O.B.C. BETWEEN THE FND. WALL & WOOD FRAME •25mm (1") AIR SPACE OR 50mm (2") STYROFOAM FOR STUCCO FINIS •0.7 Kg/m2/ (#15) BUILDING PAPER (AIR BARRIER) TO OVERLAP @ CAULKING OR AN ACCEPTABLE GASKET PLATE •USE NON-SHRINK GROUT TO LEVEL SILL PLATE WHEN REQUIRED ●12.7mm (1/2") EXTERIOR TYPE SHEATHING •38x140mm (2"x6") WOOD STUDS @ 400mm (16") O.C.

•SEE PLANS FOR FLR. JOIST SIZES & SPACING (SEE O.B.C •JOISTS TO HAVE A MIN. 38mm (1 1/2") OF END BEARING •.IOISTS SHALL BEAR ON A SILL PLATE FIXED TO FND. W/ ♣HEADER JOISTS BETWEEN 1200mm (3'-11") & 3200mm (10' IN LENGTH SHALL BE DOUBLED. HEADER JOISTS EXCEEDIN 5200mm (10'-6") SHALL BE SIZED BY CALC. •TRIMMER JOISTS SHALL BE DOUBLED WHEN SUPPORTED • RIMMER JUISTS SHALL BE DOUBLED WHEN SUPPORTED HEADER IS BETWEEN 800mm (2-7") & 2000mm (6-7").
TRIMMER JOISTS SHALL BE SIZED BY CALCULATIONS WHEN SUPPORTER HEADER EXCEEDS 2000mm (6-7") +39×39mm (2"×2") CROSS BRIDGING REGULIRED NOT MORE

•JOISTS SHALL BE SUPPORTED ON JOIST HANGERS @ ALL ■NON-LOAD BEARING PARTITIONS SHALL BE SUPPORTED ON •JOISTS LOCATED UNDER PARALLEL NON-LOAD BEARING **ROOF & CEILING**

CONCRETE SLABS (SEE O.B.C. 9.16.) $\bullet \text{SEE PLANS FOR RAFTER}, ROOF JOIST \& CEILING JOIST SIZE \&$ STEPS SHALL BE MIN. 32MPa (4640 PSI) @ 28 DAYS W/ 5-8% AIR ENT. (SEE 9.3.1.6 OF THE O.B.C.) •HIP & VALLEY RAFTER SHALL BE 38mm (2") DEEPER THAN BASEMENT SLAB 25MPa CONCRETE, MIN. 75mm (3 •38x89mm (2"x4") COLLAR TIES @ RAFTER SPACING W/
19x89mm (1"x4") CONTINUOUS BRACE @ MID-SPAN IF COLLAR
TIE EXCEED 2400mm (7"-10") IN LENGTH ICK, PLACED ON MIN. 100mm (4") OF COARSE, CLEAN GRANULAR MATERIAL •ALL FILL OTHER THAN COARSE CLEAN MATERIAL PLACED SEE PLANS FOR SHEATHING REQUIREMENTS (SEE O.B.C BENEATH CONCRETE SLABS SHALL BE COMPACTED TO PROVIDE UNIFORM SUPPORT NOTCHING & DRILLING OF JOISTS, TRUSSES & RAFTERS (13) BASEMENT SLAB (SEE O.B.C. 9.23.5.)

ROOFING

•EVERY ASPHALT SHINGLE SHALL BE FASTENED WITH A

LEAST 4 NAILS FOR 1000mm (2'-11") WIDE SHINGLE (OR 6 11mm (0.43") STAPLES)

◆EAVE PROTECTION SHALL EXTEND 900mm (2'-11") UP THE ROOF SLOPE FROM THE EDGE, & AT LEAST 300mm (11 3/4") FROM THE INSIDE FACE OF THE EXTERIOR WALL, & SHALL CONSIST OF TYPE M OR TYPE S ROLL ROOFING & W/MIN. 100mm (4") HEAD & END LAPS CEMENTED TOGETHER, OR GLASS FIBRE OR POLYESTER FIBRE COATED BASE SHEETS, OR SELF SEALING COMPOSITE MEMBRANES CONSISTING OF MODIFIED BITUMINOUS COATED MATERIAL OR #15 SATURATED FELT LAPPED & CEMENTED. EAVE PROTECTION IS NOT REQUIRED FOR UNHEATED BUILDINGS, FOR ROOFS EXCEEDING A SLOPE OF 1 IN 1.5, OR WHERE A LOW SLOPE ASPHALT SHINGLE APPLICATION IS PROVIDED

ROOFING, OR 1 LAYER OF SHEET METAL MIN. 600mm (23 5/8") WIDE

•FLASHING SHALL BE PROVIDED @ THE INTERSECTION OF

THAN 1.73mm (1/16") SHEET LEAD, 0.33mm (0.013") GALV. STEEL, 0.33mm (0.018") COPPER, 0.35mm (0.018") ZYNC, OR 0.48mm (0.019") ALUMINUM

●FIN. FLOOR ON 15.9mm (5/8") OR 19mm (3/4") T&G SUB-FLOO

•MIN 15.9mm (5/8") PANEL TYPE UNDERLAY UNDER CERAMIC

•6mm (1/4") PANEL TYPE UNDERLAY UNDER RESILIENT &

PARQUET FLOORING (SEE O.B.C. 9.30.2., 9.30.4. & 9.30.5.)

•ALL JOISTS BRIDGED W/ CONTINUOUS 19x64mm (1"x3")

STRAPPING OR 2 ROWS OF 38x38mm (2"x2") CROSS BRIDGING OR SOLID BLOCKING @ 2100mm (6'-11") O.C. MAX. UNLESS PANEL TYPE CEILING FINISH IS APPLIED (SEE O.B.C. 9.23.9.4.

•FINISH U/S OF FLOOR W/ 12.7mm (1/2") INTERIOR GYP. WALL

•CONTINUOUS HEADER JOIST W/ RSI 5.46 (R31) BA

•SEE PLANS FOR FLR. JOIST SIZES & SPACING (SEE O.B.C.

ON WOOD FLOOR JOISTS (SÉE PLANS) GLUÉD & NAILED (SEE

SHINGLE ROOFS W/ EXTERIOR WALLS & CHIMNEYS

(10) FLOOR CONSTRUCTION

O.B.C. 9.23.14.)

TILE (SEE O.B.C. 9.30.2. & 9.30.6)

BOARD FINISH (SEE O.B.C. 9.29.5.)

10A EXPOSED FLOOR & EXTERIOR

•MIN. 80mm (3") 15MPa (2200PSI) CONC. SLAB •HOLE IN FLOOR, ROOF & CEILING MEMBERS TO BE NOT LARGER THAN 1/4 THE ACTUAL DEPTH OF MEMBER & NOT ●0.15mm (0.006") DAMPPROOFING LESS THAN 50mm (2") FROM EDGES •127mm (5") CRUSHED STONE •NOTCHES IN FLOOR, ROOF & CEILING MEMBERS TO BE LOCATED ON TOP OF THE MEMBER WITHIN 1/2 THE ACTUAL •WHERE D.P.C. IS NOT PROVIDED BELOW SLAB, CONCRETE STRENGTH OF SLAB TO BE 25MPa (3600PSI) @ 28 DAYS H FROM THE EDGE OF BEARING & NOT GREATER THAN 14) GARAGE SLAB

•WALL STUDS MAY BE NOTCHED OR DRILLED PROVIDED THAT NO LESS THAN 2/3 THE DEPTH OF THE STUD REMAINS, IF LOAD BEARING, & 40mm (1 9/16") IF NON-LOAD BEARING •MIN. 80mm (3") 32MPa (4640PSI) CONC. SLAB @ 28 DAYS W/ 5-8% AIR ENT. (SEE 9.3.1.6 OF THE O.B.C.) •ROOF TRUSS MEMBERS SHALL NOT BE NOTCHED, DRILLED •127mm (5") CRUSHED STONE •REINFORCED W2.9xW2.9 (6"x6") WIRE MESH LOCATED ANY FILL PLACED BENEATH THE SLAB, OTHER THAN COARSE CLEAN GRANULAR FILL, SHALL BE COMPACTED @ NOT LESS THAN 95% PROCTOR (SEE O.B.C. 9.26.) FASTENERS FOR ROOFING SHALL BE CORROSION RESISTANT. ROOFING NAILS SHALL PENETRATE THROUGH OR AT LEAST $12\mathrm{mm}$ (1/2") INTO ROOF SHEATHING •SLOPE TO FRONT @ 1% MIN.

> 14À GARAGE SLAB ON GRADE POURED CONC. SLAB ON GRADE 4650 PSI @ 28 DAYS 5%-8% AIR •127mm (5") CRUSHED STONE •BEAR ON UNDISTURBED SOIL, REMOVE ALL ORGANIC MATERIAL

(15) GARAGE WALLS & CEILINGS •12.7mm (1/2") GYPSUM WALLBOARD ON WALLS & CEILINGS BETWEEN HOUSE & GARAGE •RSI 4.23 (R24) INS'N IN 38x140mm (2"x6") WALLS •RSI 5.46 (R31) INSULATION IN CEILINGS •0.15mm (0.006") AIR/VAPOUR BARRIER CONFORMING TO CAN/CGSB-51.34-M, SUBSECTION 9.25.3 & 9.25.4 OF THE O.B.C. ON WARM SIDE OF INS'N ALL JOINTS OF GYP. WALL BOARD TO BE TAPED & SEALED GAS TIGHT (16) GARAGE DOOR (GAS PROOFED)

•DOOR & FRAME GAS PROOFED, DOOR EQUIPPED W/ SELF PORCH SLAB CONSTRUCTION •FOR MAX. 2500mm (8'-2") PORCH DEPTH, 130mm (5") 32MPa (4640PSI) CONC. SLAB W/ 5-8% AIR ENTRAINMENT

INSULATION @ JOIST HEADERS, EXTEND VAPOUR/AIR BARRIER & SEAL TO JOIST & SUBFLOOR 17A COLD CELLAR PORCH SLAB FOR MAX, 2500mm (8'-2") PORCH DEPTH, 130mm (5") 32MPa 4640PSI) CONC. SLAB W/ 5-8% AIR ENTRAINMEN ●REINF, W/ 10M BARS @ 300mm (12") O.C. EACH WAY IN BOTTOM THIRD OF SLAB, C/W 10M 610X 610mm (24"x24" DOWELS @ 600mm (16") O.C. ANCHORED INTO PERIMETER FOUNDATION WALLS •SLOPE SLAB MIN. 1% FROM DOOR ●PROVIDE L7 LINTELS OVER CELLAR DOOR LINLESS ●PROVIDE RSI 5.46 (R31) INSULATION, 0.15mm (0.006") VAPOUR

•SLOPE SLAB MIN. 1% FROM DOOR

THERWISE SPECIFIED 18) EXTERIOR CONCRETE STEPS ●EXTERIOR CONC. STEPS TO CONFORM W/ SUBSECTION | SEPS TO CONFORM W/ SUBSECTION
| Seps To Conform TO REQ'S AS SET ON
| SEPS DIM'S TO CONFORM TO REQ'S AS SET ON
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| SEPS DIM'S TO CONFORM TO REQ'S AS SET ON TO REQUE TO 18A INTERIOR CONCRETE STEPS

●PRECAST CONCRETE STEP WHERE NOT EXPOSED TO

VEATHER MAX. RISE 200mm (7 7/8") & MIN. THREAD DEPTH 40mm (9 1/2")

(19) MAIN STAIRS & EXTERIOR STAIRS (SEE O.B.C. 9.8.) MAX. RISE 200mm (7 7/8") ●MAX. RUN 210mm (8 1/4") •MIN. TREAD 235mm (9 1/4") 25 (1") ●MIN. HEAD •MIN. HEAD ROOM 1950mm (6'-5")

•GUARD HEIGHT IF DECK TO GRADE IS GREATER THAN 1800mm

•MIN. WIDTH 860mm (2'-10") •CURVED STAIRS SHALL HAVE A MIN. RUN OF 150mm (5 7/8") @ ANY POINT & A MIN. AVG. RUN OF 200mm (7 7/8" THAN 30° OR MORE THAN 45° PER TREAD. SETS OF WINDER MUST BE SEPARATED BY 1200mm ALONG THE RUN OF STAIRS GAS UTILIZATION CODE A LANDING IS REQUIRED @ THE TOP OF ANY STAIR LEADING ENTRANCES W/ MORE THAN 3 RISERS

 EXTERIOR CONC. STAIRS W/ MORE THAN 2 RISERS REQUIRE ZERO - CLEARANCE FIRE PLACE CONSTRUCTION TO COMPLY W/ MANUFACTURERS SPECIFICATIONS •MECHANICAL EXHAUST FAN. VENTED TO EXTERIOR TO NOTED IN O.B.C. 9.8.4.4. PROVIDE A MIN. OF 1 AIR CHANGE PER HOUR & SHALL CONFORM TO 9.32.3 OF THE O.B.C. **GUARDS & RAILINGS**

WOOD POST

(SEE O.B.C. 9.8.7. & 9.8.8.) •CAPPED DRYER VENT. W/ INSECT SCREEN VENTED TO 1070mm (3'-6") ALARMS & DETECTORS 900mm (2'-11") (SEE O.B.C. 9.10.19. & 9.33.4.) 900mm (2'-11")

1070mm (3'-6") 900mm (2'-11") 1800mm (5'-11") OR LESS •A HANDRAIL IS REQUIRED FOR INT. STAIRS CONTAINING MORE THAN 2 RISERS & EXT. STAIRS CONTAINING MORE THAN TRAVEL DISTANCE FROM ANY POINT ON A FLOOR JACENT TO EVERY SLEEPING AREA FOR DWELLINGS •GUARDS ARE REQUIRED AROUND EVERY ACCESSIBLE SURFACE WHICH IS MORE THAN 600mm (23 5/8") ABOVE THE ADJACENT LEVEL & WHERE THE ADJACENT SURFACE HAS A SLOPE MORE THAN 1:2 W/ FUEL BURNING FIREPLACE OR STOVE, OR AN 30À SMOKE ALARMS INTERIOR & EXTERIOR GUARDS MIN. 900mm (2-11") HIGH.
 EXTERIOR GUARDS SHALL BE 1070mm (3-6") HIGH WHERE
 HEIGHT ABOVE ADJACENT SURFACE EXCEEDS 1800mm (5'-11")

●GUARDS SHALL HAVE OPENINGS SMALLER THAN 100mm (4") & NO MEMBER BETWEEN 140mm (5 1/2") & 900mm (2'-11") THAT WILL FACILITATE CLIMBING ON FIN. HANDRAILS & GUARDS MAINTAIN A MAX. OF 100mm (4") BETWEEN PICKETS •GLASS IN GUARDS & RAILINGS SHALL BE TEMPE GLASS CONFORMING TO CAN/CGSB-12.1-M, "TEMPERED OR LAMINATED SAFETY GLASS" 30B CARBON MONOXIDE DETECTORS O.B.C. 9.8.9., SB-7 & SB-13

NSULATION & WEATHERPROOFING (SEE O.B.C. SB-12) •CEILING W/ ATTIC LUMBER RSI 8.81 (R60) (SEE O.B.C. 9.3.2.) •ROOF W/OUT ATTIC RSI 5.46 (R31) EXTERIOR WALL RSI 4.23 (R24) RSI 3.52 (R20) •FOUNDATION WALL •FND. WALL W/ >50% EXPOSED RSI 4.23 (R24) ●EXPOSED FLOOR RSI 5.46 (R31) •SLABS ON GRADE (UNHEATED) RSI 1.76 (R10) SLABS ON GRADE (HEATED) RSI 2.11 (R12) ●END BEARING

SES, & METAL HANGER •EXTERIOR WALLS, CEILINGS & FLOORS SHALL BE CONSTRUCTED SO AS TO PROVIDE A CONT. BARRIER TO THE PASSAGE OF WATER VAPOUR FROM THE INTERIOR & TO THE LEAKAGE OF AIR FROM THE EXT.

NATURAL VENTILATION

ENTIL ATED W/ LINORSTRUCTED OPENINGS FOLIAL TO NOT

INSULATED ROOF SPACES NOT INCORPORATING AN ATTIC

TO NOT LESS THAN 1/150 OF THE INSULATED CEILING AREA

•UNHEATED CRAWL SPACES SHALL BE PROVIDED W/ 0.1m2/(1.1 FT2/) OF VENT. FOR EACH 50m2/ (538 FT2/)

•MIN. NATURAL VENTILATION AREAS. WHERE MECHANICAL

• A MECHANICAL VENT. SYSTEM IS REQUIRED W/ A TOTAL

PACITY AT LEAST EQUAL TO THE SUM OF: 0.0 L/S (cfm) EACH FOR BASEMENT & MASTER BEDROOM

•A PRINCIPAL DWELLING EXHAUST FAN SHALL BE INSTALLED

•SUPPLEMENTAL EXHAUST SHALL BE INSTALLED SO THAT

THE TOTAL CAPACITY OF ALL KITCHEN, BATHROOM & OTHER EXHAUSTS, LESS THE PRINCIPAL EXHAUST, IS NOT LESS THAN THE TOTAL REQUIRED CAPACITY

•A HEAT RECOVERY VENTILATOR MAY BE EMPLOYED IN LIEU

IF ANY SOLID FUEL BURNING APPLIANCES ARE INSTALLED

CONTAMINATION FROM EXHAUST OUTLETS

•SUPPLY AIR INTAKES SHALL BE LOCATED SO AS TO AVOID

•EVERY DWELLING REQUIRES A KITCHEN SINK, LAVATORY

TER CLOSET, BATHTUB OR SHOWER STALL & THE

INSTALLATION OR AVAILABILITY OF LAUNDRY FACILITIES

RAINAGE IS POSSIBLE. IN OTHER CASES, IT SHALL BE

CONNECTED TO A SEWAGE EJECTION PUMP

•A FLOOR DRAIN SHALL BE INSTALLED IN THE BASEMENT &

AN EXTERIOR LIGHT CONTROLLED BY AN INTERIOR SWITCH

A LIGHT CONTROLLED BY A SWITCH IS REQUIRED IN EVERY

KITCHEN, BEDROOM, LIVING ROOM, UTILITY ROOM, LAUNDRY ROOM, DINING ROOM, BATHROOM, VESTIBULE, HALLWAY, GARAGE & CARPORT. A SWITCHED RECEPTACLE MAY BE

•STAIRS SHALL BE LIGHTED. & EXCEPT WHERE SERVING AN

 \bullet BASEMENTS REQUIRE A LIGHT FOR EACH 30m2/ (323FT2/), CONTROLLED BY A SWITCH @ THE HEAD OF THE STAIRS

SWITCH @ THE HEAD & FOOT OF THE STAIRS

•0.33mm (0.013") PRE-PAINTED GALVANIZED STEE

•100mm (4") UNDER WALL SHEATHING & SHINGLES

•PRE-PAINTED GALV. STEEL FLASHING OVER 2-38x89m

2-2"x6") TREATED WOOD BLOCKING MTL. FLASH PLY CARRY OVER CANT. STIP & UP AN OVER PA

•ATTIC HATCH TO BE MIN. 545x588mm (22"x24") W/

•150mm (6") UP BRICK FACE INTO REGLET

PROVIDED INSTEAD OF A LIGHT IN BEDROOMS & LIVING ROOM

CONTROLLED BY A CENTRALLY LOCATED SWITC

• WIN: NATIONAL VENTILISTION AREAS, WHERE MECHI-VENTILATION IS NOT PROVIDED, ARE: • BATHROOMS 0.09m2/ (0.97 FT2/) • OTHER ROOMS 0.28m2/ (3FT2/) • UNFINISHED BASEMENT 0.2% OF FLOOR AREA

MECHANICAL VENTILATION

5.0 L/S (cfm) FOR EACH OTHER ROOM

(SEE O.B.C. 9.32.3.)

DENTIFIED AS SUCH

PLUMBING

ELECTRICAL

21) METAL FLASHING

ATTIC ACCESS HATCH

3050mm (10'-0") OF CHIMNEY

WIDTH IS GREATER THAN 600mm (24")

●CLAY FLUE LINERS 15.9mm (5/8") THK.

SECTION 9.22 OF THE O.B.C.

●EXTEND LINERS FROM 200mm (7 7/8") BELOW BREACHING

PENING FROM TOP OF SMOKE CHAMBER TO NOT LESS

THAN 50mm (2") OR MORE THAN 100mm (4") ABOVE CHIM AP MASONRY FIREPLACE CONSTRUCTION TO COMPLY W/

23 CHIMNEY

(SEE O.B.C. 9.34.)

(SEE O.B.C. 9.31.)

O PREVENT THE ENTRY OF RAIN, SNOW OR INSECTS

LESS THAN 1/300 OF THE INSULATED CEILING AREA

(SEE O.B.C. 9.32.2.)

•PROVIDE METAL HANGERS FOR ALL JOISTS & BUILT-UP VOOD MEMBERS INTERSECTING FLUSH BUILT-UP WOOD •EVERY ROOF SPACE ABOVE AN INSULATED CEILING SHALL BE •WOOD FRAMING NOT TREATED W/ A WOOD PRESERVATIVE 6") ABOVE GROUND OR SLAB, SHALL BE SEPARATED FROM THE CONC. BY AT LEAST 0.15mm (0.006") POLYETHYLENE FIL OR NO. 50 (45lbs) ROLL ROOFING DAMPPROOFING BETWEEN WOOD & CONCRETE •BUILDINGS & THEIR STRUCTURAL MEMBERS MADE OF ROOF VENTS SHALL BE UNIFORMLY DISTRIBUTED W/ MIN. 25% VOOD SHALL CONFORM TO CSA086, "ENGINEERING DESIGN

> (SEE O.B.C. 4.3.4.) •BUILDINGS & THEIR STRUCTURAL MEMBERS MADE OF STRUCTURAL STEEL SHALL CONFORM TO CSA S16, "DESIGN OF STEEL STRUCTURES" 30-18M, "BILLET-STEEL BARS FOR CONCRETE

> IRED TO HAVE A FIRE-RESISTANCE RATING SHALL BE ECTED TO PROVIDE THE REQUIRED FIRE-RESISTANCE COLUMNS, BEAMS & LINTELS •STEEL BEAMS & COLUMNS SHALL BE SHOP PRIMED 350W

■WOOD COLUMNS FOR CARPORTS & GARAGES SHALL BE •WOOD COLUMNS FOR CARPORTS & GARAGES SHALL BE MIN. 89x89mm (3 1/2"x 3 1/2"); IN ALL OTHER CASES EITHER 140x140mm 5 1/2"x 5 1/2" OR 184mm (7 1/4") ROUND, UNLESS CALCULATIONS BASED ON ACTUAL LOADS SHOW LESSER SIZES ARE ADEQUATE. ALL COLUMNS SHALL BE NOT LESS THAN THE WIDTH OF THE SUPPORTED MEMBER

•MASONRY COLUMNS SHALL BE A MIN. OF 290x290mm (11 3/8"x11 3/8") OR 240x380mm (9 1/2"x15") •PROVIDE SOLID BLOCKING THE FULL WIDTH OF THE SUPPORTED MEMBER UNDER ALL CONCENTRATED LO 31) SOLID WOOD BEARING SOLID BEARING TO BE AS WIDE AS THE SUPPORTED

•SOLID WOOD BEARING COMPRISED OF BUILT UP WOOD STUDS TO BE CONSTRUCTED IN ACCORDANCE WITH O.B.C. 31B STEEL BEARING PLATE FOR MASONRY WALLS 200x250x16mm (8"x10"x5/8") STEEL PLATE FOR STEEL BEAMS & 250x250x12mm (10"x10"x1/2") STEEL PLATE FOR WOOD BEAMS BEARING ON CONC. BLOCK PARTYWALL, ANCHORED W/ 2-19x200mm (2-3/4"x8") LONG GALV. ANCHORS W/ SOLID BLOCK COARSE. LEVEL W/ NON-SHRINK GROUT (SEE O.B.C. 9.17.3.2.) 32) COLUMNS

(SEE O.B.C. 9.17.) COLUMN SCHEDULE O CONC. PIER W/ METAL SHOE W/ 12.7mm (1/2 1200mm (4'-0") BELOW FIN. GRADE ON UNDISTURBED SOI

2A STEEL PIPE COLUMN (EXT.) (SEE O.B.C. 9.17.3.) •90mm (3 1/2") DIA. W/ A WALL THICKNESS OF 4.76mm (3/16") NON ADJUSTABLE STEEL COLUMN W/ 150x150x9.5m (6"x6"x3/8") STEEL TOP PLATE & BOTTOM PLATE W/ 00x9.5mm (6"x8"x3/8") W/ 2-12.7mm DIA. x 300mm LON x50mm (2-1/2" DIA. x 12" LONG x 2") HOOK ANCHORS (OR OTHERWISE SPECIFIED

◆FIELD WELD COLUMN TO BASE PLATE ON FOUNDATION

POURED CONC. FTG. ON UNDISTURBED SOIL

◆CHIMNEYS & FLUES TO CONFORM TO SECTION 9.21 OF THE 32B STEEL PIPE COLUMN (INT. (SEE O.B.C. 9.17.3.) •CHIMNEYS TO BE 915mm (3'-0") ABOVE ROOF & NOT LES ●90mm (3 1/2") DIA. W/ A WALL THICKNESS OF 4.76mm (3/16") NON ADJUSTABLE STEEL COLUMN W/ 150x150x9.5mm (6"x6"x3/8") STEEL TOP PLATE & BOTTOM PLATE W/ 150x200x9.5mm (6"x8"x3/8") W/ 2-12.7mm DIA. x 300mm LONG x50mm (2-1/2" DIA. x 12" LONG x 2") HOOK ANCHORS (OR OTHERWISE SPECIFIED HAN 610mm (24") ABOVE HIGHEST ROOF STRUCTURE W/IN SUPPORT METAL CHIMNEYS LATERALLY @ 2030mm (6'-8") CHIMNEY CAP TO HAVE MIN. 25mm (1") PROJECTION PROVIDE CHIMNEY SADDLE W/ FLASHING IF CHIMNEY

32C ADJUSTABLE STEEL PIPE COLUMN •89 X 89 (4" X 4") No. 1 -S.P.F. POST ON METAL BASE (SEE O.B.C. 9.17.3.4.) BOLT, 600 X 600 X 400mm (24" X 24" X 16") POUREI CONC. FOOTING ON UNDISTURBED SOIL.

NDJUSTABLE STEEL COLUMN W/ 150x150x9.5mm (6"x6"x3/8" STEEL TOP & BOTTOM PLATE. BASE PLATE 100x250x12.7mm •140 X 140 (6" X 6") No. 1 -S.P.F. POST ON METAL BASE x 12" LONG x 2") HOOK ANCHORS SHOE ANCHORED TO CONCRETE W/ 12.7mm (1/2") DIA BOLT , 600 X 600 X 400mm (24" X 24" X 18") POURED ◆FIELD WELD COLUMN TO BASE PLATE ON 1067x1067x457mm CONC. FOOTING ON UNDISTURBED SOIL (42"x42"x18") POURED CONC. FTG. ON UNDISTURBED SOIL OF ENG. FILL CAPABLE OF SUSTAINING A PRESSURE OF 125KPa (18.13psi) MIN. AS PER SOIL REPORT (25) VENTS •U.L.C. CLASS-B VENT 610mm (2'-0") ABOVE POINT OF CONTACT W/ ROOF SLOPES UP TO 9/12 33 BEAMS

 DIRECT VENT FURNACE TERMINAL MIN. 900mm (2'-11' (SEE O.B.C. 9.23.4.2., O.B.C. 9.23.4.3, & 9.23.8.) FROM A GAS REGULATOR & MIN. 300mm (11 3/4") ABOVE FIN. GRADE FROM ALL OPENINGS STEEL BEAM SCHEDULE ●EXHAUST & INTAKE VENTS H.R.V. INTAKE TO BE MI •SB-1 W200x31 ST, BEAM C/W 228x6.35mm (9"x1/4") ST, PLATE WELDED TO BOTTOM FLANGE (CONTINUOUS) STEEL PLATE SCHEDULE DIRECT VENT GAS FIREPLACE, VENT TO BE MIN. 300mr) FROM ANY OPENING & ABOVE FIN. GRADE. REFE •SP-1 WELD BEAM TO 203x254x9.5mm (8"x10"x3/8") STE PLATE ANCHORED BY 2-1/2" DIA. STEEL ANCHOR RODS 203mm (8") LONG EMBEDDED IN CONCRETE (FILL SOLID W/ 20 MPa GROUT)

•90mm (3 1/2") DIA. W/ A WALL THICKNESS OF 4.76mm (3/16"

)"x1/2") W/ 2-12.7mm DIA. x 300mm LONG x50mm (2-1/2" DIA

BEAM POCKET •BEAM POCKET OR 200x200 (8"x8") POURED CONC. NIB 28 •CAPPED RANGE HOOD VENT TO EXTERIOR W/ INSECT WALLS, MIN, BEARING 90mm (3 1/2") (34) LINTELS (SEE O.B.C. 9.23.12.3. & 9.37.3)

WOOD HEADER SCHEDULE

STEEL LINTEL SCHEDULE

DOORS & WINDOWS

(SEE O.B.C. 9.7.)

(SEE O.B.C. 9.7.)

2-38x140mm (2-2"x6")

2-38x184mm (2-2"x8")

125x90x8.0mm (5"x3 1/2"x5/16")

125x125x8.0mm (5"x5"x5/16")

125x90x10.0mm (5"x3 1/2"x3/8")

•EVERY FLOOR LEVEL CONTAINING A BEDROOM & NO

SERVED BY AN EXTERIOR DOOR SHALL CONTAIN AT LEAST 1
WINDOW HAVING AN UNOBSTRUCTED OPEN AREA OF 0.35m2
(3.8FT2/) AND NO DIMENSION LESS THAN 380mm (15"), WHICH

HEIGHT 1000mm (3'-3 3/8") FOR FIN. FLOORS ABOVE GRAD

•EXT. HOUSE DOORS & WINDOWS WITHIN 2000mm (6'-7"

•THE PRINCIPAL ENTRY DOOR SHALL HAVE EITHER A DOOR

•MAX, U-VALUE 1.8 FOR WINDOWS & SLIDING GLASS DOORS

OR TO CONFORM TO SB-12 SUBSECTION 2.1. OF THE O.B.C

•MAIN ENTRY DOOR TO BE OPENABLE FROM INSIDE W/OUT

●EXTERIOR DOORS TO HAVE A THERMAL RESISTANCE OF RSI 0.7 (R4) OR W/ STORM DOOR SLIDING DOORS TO HAVE A THERMAL RESISTANCE OF RSI 0.3 (R1.7). MAX. U-VALUE 1.8 FOR SIDELIGHTS & SLIDING GLASS DOORS OR TO CONFORM TO SB-12 SUBSECTION 2.1. OF THE 0.B.C.

•DOORS TO BE RESISTANT TO FORCED ENTRY AS IN

GLASS IN SIDE LIGHTS GREATER THAN 500mm (19 3/4

•SWING-TYPE OR FOLDING DOORS WITHIN DWELLIN

914x2133x45mm (3'-0"x7'-0"x1 3/4") INSULATED DOOR MIN. RSI 0.7 (R4

 $\bullet \textsc{OVERHEAD}$ GARAGE DOORS TO WITHSTAND MIN. WIND LOADS OF 0.96 Kpa (20 lbs/sq. ft)

•GLAZING ON GARAGE DOORS MAY BE SAFETY GLASS, PLEXIGLASS OR WIRE GLASS

•EVERY FLOOR LEVEL CONTAINING A BEDROOM & NOT SERVED BY AN EXTERIOR DOOR SHALL CONTAIN AT LEAST

WINDOW HAVING AN UNOBSTRUCTED OPEN AREA OF 0.35m2

(3.8FT2/.) AND NO DIMENSION LESS THAN 380mm (15"). WHIC

HEIGHT 1000mm (3'-3 3/8") FOR FIN. FLOORS ABOVE GRAD

•5% OF FLOOR AREA OF BEDROOMS & 10% OF LIVING &

•WINDOWS DOUBLE GLAZED OR W/ STORM WINDOW

•WINDOWS LOCATED WITHIN 2 METERS (6'-7") OF ADJACEN

•WINDOWS SHALL HAVE A MAX. U-VALUE 1.8 OR CONFORM TO

GROUND LEVEL SHALL CONFORM TO THE REQUIREMENT

FOR RESISTANCE TO FORCED ENTRY (SEE O.B.C. 9.7.5.3.

WINDOW (SEE 9.7.2.3. OF THE O.B.C.)

•MOTOR OPERATORS MAY BE TURNED ON & OFF BY REMOTE ELECTRICAL SWITCH, RADIO SIGNAL, PHOTOELECTRICAL CONTROL, OR KEY LOCK SWITCH FOR SECURITY

ENTRY. DOORS SHALL HAVE A DEADBOLT LOCK

IEWER, TRANSPARENT GLAZING OR A SIDELIGHT

SPRUCE NO. 1

SPRUCE NO. 1

SPRUCE NO. 1

SPRUCE NO. 1

AT LEAST ONE SMOKE ALARM SHALL BE INSTALLED ON LEVEL 900mm (2'-11") OR MORE ABOVE AN ADJACENT •SMOKE ALARMS SHALL BE INTERCONNECTED & TED SUCH THAT ONE IS WITHIN 5m (16'-5") O VERY BEDROOM DOOR & NO MORE THAN 15m (49'-3' A CARBON MONOXIDE DETECTOR SHALL BE INSTALLED

•SMOKE ALARMS CONFORMING TO CAN/ULC-S531, "SMOKE ALARMS" SHALL BE INSTALLED ON OR NEAR THE CEILING ON EACH STOREY OF A DWELLING UNIT AN ADJACENT LEVEL (SEE SECTION 9.10.19. OF O.B.C SMOKE ALARMS SHALL BE INTERCONNECTED 8 TED SUCH THAT ONE IS WITHIN 5m OF EVER

ONFORMING TO CAN/CGA-6.19, "RESIDENTIAL CARBON ONOXIDE ALARMING DEVICES" OR UL 2034, "SINGLE & ADJACENT TO EVERY SLEEPING AREA FOR DWELLINGS ATTACHED GARAGE(SEE SECTION 9.33.4. OF O.B.C.)

ALL LUMBER SHALL BE SPRUCE-PINE-FIR No. 1 & 2, AND MOISTURE CONTENT 19% @ TIME OF INSTALLATION •STUDS SHALL BE STUD GRADE SPRUCE, UNLESS NOTED GRADE PRESSURE TREATED OR CEDAR, UNLESS NOTED JOISTS - 38mm (1 1/2") BEAMS - 89mm (3 1/2")

•LATERAL SUPPORT FOR WALLS PARALLEL TO JOISTS: METAI ANCHORS 38x5mm (1 1/2"x3/16") @ 2030mm (6'-8") SPACING BENT INTO MASONRY 80mm (3") & EXTEND OVER 3 PARALLEL •ALL LAMINATED VENEER LUMBER (L.V.L.) BEAMS, GIRDER ROOF FRAMING TO BE DESIGNED & CERTIFIED BY TRUSS

•L.V.L. BEAMS SHALL BE 2.0E WS MICRO-LAM L.V.L. (Fb= 300psi MIN.) OR EQUIVALENT, NAIL EACH PLY OF L.V.L. W/ 9mm (3 1/2") COMMON NAILS @ 300mm (12") O.C. STAGGER N 2 ROWS FOR 235, 286 & 302mm (9 1/2, 11 1/4", 11 7/8" DEPTHS & STAGGERED IN 3 ROWS FOR GREATER DEF PLY MEMBERS ADD 13mm (1/2") DIA GALV. BOLTS @ MID DEPTH OF BEAM @ 915mm (36") O.C. PROVIDE TOP MOUNT BEAM HANGERS FOR ALL L.V.L. BEAM TO BEAM CONNECTIONS UNLESS NOTED OTHERWIS

40A OVERHEAD GARAGE DOORS & ARE IN CONTACT W/ CONCRETE THAT IS LESS THAN 150mm (41) WINDOWS

SB-12 SUBSECTION 2.1. OF THE O.B.C. (42) SKYLIGHTS (SEE O.B.C. 9.7.) •STRUCTURAL ALUMINUM FRAMED ASSEMBLY W/ TEMPERED GLASS IN CONTINUOUS GLAZING RETAINER W/ CONTINUOUS NEOPRENE GASKET, CONTINUOUS EXTRUIDED A LUMINUM EAVE BAR ON EAVE ANCHORED ON 2-38x86mm (2-2*x4*) WOOD TOP PLATE W/ 6.35mm (1/4") STAINLESS STEEL BOLTS •12.7mm (1/2") STUCCO BOARD ON 38mm (1 1/2") STYROFOAM, 0.7 Kg/m/2/ (#15) BUILDING PAPER (AIR BARRIER) TO OVERLAP @ JOINTS •12.7mm (1/2") EXTERIOR TYPE SHEATHING ON 38x86mm (2"x4") WOOD STUDS @ 400mm (16") O.C., CONTINUOUS 0.15mm (0.006") AIRVAPOUR BARRIER TO CONFORM TO CAN/ CGSB-51.34-M & SUBSECTIONS 9.25.3. & 9.25.4 OF THE O.B.C., EXTEND VAPOUR/AIR BARRIER & SEAL TO JOIST & ROOF SHEATHING38mm (1 1/2") CONT. RIGID FOAM

(SEE O.B.C. 9.7.)

TO JOIST & ROOF SHEATHING38mm (1 1/2") CONT. RIGID FOAI INSULATION (OPTIONAL), 2-38x140mm (2"x6") BOTTOM PLATE, 2-38x140mm (2"x6") TOP PLATE FRAME ASSEMBLY. MTL. FLASHING OVER 2 PLY CARRY OVER CANT STRIP & UP & OVER PARAPET •SKYLIGHTS & THEIR COMPONENTS SHALL BE DESIGNED CONSTRUCTED & INSTALLED SO THAT, WHEN IN THE CLOSED POSITION,THEY RESIST SNOW LOADS, WIND LOADS, AIR LEAKAGE, INSECTS & VERMIN, & FORCED ENTRY. SKYLIGHTS

SHALL HAVE A MAX. U VALUE OF 3.0 OR CONFORM TO SB-12 SUBSECTION 2.1. OF THE O.B.C.

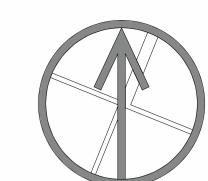
•SKYLIGHTS SHALL BE WEATHERPROOFED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS (43) INTERIOR WALL FINISHES (SEE O.B.C. 9.29.)

REQUIREMENTS IN SECTIONS 9.10., 9.11, & 9.29, OF THE (44) CEILING FINISHES (SEE O.B.C. 9.29.)

REQUIREMENTS IN SECTIONS 9.10., 9.11. & 9.29. OF THE 45A CLOSETS ●CLOTHES CLOSET TO BE PROVIDED W/ HANGING ROD 8 380mm (15") SHELF ABOVE •MIRRORED GLASS DOORS ARE PERMITTED TO BE USED CONFORM TO THE REQUIREMENTS OF CAN/CGSB-82.6-M DOORS. MIRRORED GLASS, SLIDING OR FOLDING

45B LINEN CLOSET •LINEN CLOSET TO HAVE 4 SHELVES, MIN. 330mm (14") DEEP

(46) WOOD COLUMNS 89 X 89 (4" X 4") No. 1 -S P.F. POST ON METAL BASE SHOE 140 X 140 (6" X 6") No. 1 -S.P.F. POST ON METAL BASE BOLT , 600 X 600 X 400mm (24" X 24" X 18") POURED FOOTING ON UNDISTURBED SOIL.



NORTH

PROJECT NORTH

EPIC DESIGNS INC.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY OMISSIONS OR DISCREPANCIES TO EPIC DESIGNS INC. BEFORE PREOCEEDING WITH WORK

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GENERAL NOTES: 1. DRAWING NOTES

LEGEND: SMOKE ALARM

CARBON MONOXIDE DETECTOR MECHANICAL VENTILATION

SOLID WOOD BEARING POINT LOAD

F.D. FLOOR DRAIN A.D. AREA DRAIN

NEW PARTITION WALL XXX LOAD BRG.

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements se

out in the Ontario Building Code to design the work shown on the

QUALIFICATION INFORMATION Required unless design is exempt under 32.4 of the building code man Ille S GNATURE

REGISTRATION INFORMATION Required unless design is exempt under 3.25.1 of the building code



257 DUNRAVEN DRIVE TORONTO, ONTARIO, M6M - 1H8 TEL: (416) 564 - 2435 WWW.EPICDESIGNSINC.CA

No.	DESCRIPTION	DATE
140.		DAIL
REVISIONS		

PROJECT TITLE

PROPOSED ONE STOREY DWELLING ΑT

5768 WELLINGTON COUNTY RD 29, GUELPH, ON

DRAWING TITLI

SITE PLAN AND **GENERAL NOTES**

> DESIGNED BY: FRANCISCO DRAWN BY: LANDEROS CHECKED BY:

> > SCALE

REV. No:

As indicated

OCTOBER' 2023

DATE: DRAWING:

PROJECT No.:

A

2023-01