

CONSTRUCTION NOTES

UNLESS OTHERWISE NOTED
 2012 OBC O. REG. 332/12 (REVISED JAN. 14 2014)
 ALL CONSTRUCTION PRACTICES TO COMPLY WITH ONTARIO BUILDING CODE (O.B.C.) REGULATIONS
 ALL DIMENSIONS GIVEN FIRST IN METRIC (mm) FOLLOWED BY IMPERIAL.

- 1 **ROOF CONSTRUCTION**
 ASPHALT SHINGLES ON 9.5mm (3/8") PLYWOOD SHEATHING WITH 1" CLIPS. ENGINEERED APPROVED WOOD ROOF TRUSSES @ 610mm (24") O.C. MAX. APPROVED EAVES PROTECTION TO EXTEND MIN. 900mm (2'-11"). UP ROOF SURFACE TO LINE NOT LESS THAN 305mm (12") BEYOND INNER FACE OF EXTERIOR WALL FOR ROOF SLOPES LESS THAN 8:12. 38mm X 89mm (2 X 4) TRUSS BRACING @ 2130mm (7'-0") O.C. @ BOTTOM CHORD. PREFIN. ALUM. EAVES TROUGH ON PREFIN. ALUM. CLAD FASCIA BOARD & VENTED SOFFIT. ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH 50% AT EAVES.
- 2 **FRAME WALL CONSTRUCTION (2 X 6 STUDS)**
 SIDING AS PER ELEVATIONS. 0.7 kg/m² (No. 15) BLDG PAPER. 12.7mm (1/2") EXTERIOR TYPE SHEATHING (UNLESS OTHERWISE SPECIFIED) 38mm x 140mm (2 x 6) STUDS @ 406mm (16") O.C. RSI 3.87 (R22) BATT INSULATION AND 6 mil. AIR/VAPOUR BARRIER. 12.7mm (1/2") INT. DRYWALL FINISH.

- 2A **STUCCO (EIFS) WALL CONSTRUCTION (2 X 6 STUDS)**
 COMB APPROVED EXTERIOR INSULATION FINISHING SYSTEM (EIFS) AS PER MANUFACTURER. EXTERIOR TYPE SHEATHING (UNLESS OTHERWISE SPECIFIED) 38mm x 140mm (2 x 6) STUDS @ 406mm (16") O.C. RSI 3.87 (R22) BATT INSULATION AND 6 mil. AIR/VAPOUR BARRIER. 12.7mm (1/2") INT. DRYWALL FINISH.

- 3 **BRICK VENEER CONSTRUCTION (2 X 6 STUDS)**
 50mm (3 1/2") OR 75mm (3") FACE BRICK, 25mm (1") AIR SPACE. 22 x 100 x 10.75mm (7/8" x 4" x 22 ga) GALV. METAL TIES @ 400mm (16") O.C. HORIZ. 800mm (24") O.C. VERTICAL.
 (No. 15) BUILDING PAPER. 12.7mm (1/2") EXT. TYPE SHEATHING (UNLESS OTHERWISE SPECIFIED). 38mm x 140mm (2 x 6) STUDS @ 406mm (16") O.C. RSI 3.87 (R22) BATT INSULATION AND 6 mil. AIR/VAPOUR BARRIER. 12.7mm (1/2") INT. DRYWALL FINISH. PROVIDE WEEP HOLES @ 800mm (30") O.C. HORIZ. @ BOTTOM COURSE ONLY & COVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND SHEATHING PAPER. MIN. 150mm (6") CLEARANCE BETWEEN MASONRY AND GRADE.

- 3A **STEEL PIPE COLUMN / FOOTING**
 ADJUSTABLE 90mm (3 1/2") DIA. PIPE COLUMN W/ MIN. CAPACITY OF 82.8 kN (18613 lbs) CONFORMING TO CAN/CSG-S7-2.94 WITH 150mm X 150mm X 9.5mm (6" X 6" X 3/8") TOP AND BOTTOM PLATE ON 1070mm X 1070mm X 460mm (42" X 42" X 18") CONC. FTG. 15MPa (2200 psi) CONC. STRG. FOOTING SIZE AND COLUMN TYPE MAY VARY-SEE PLANS.
- 3B **STEEL PIPE COLUMN / FOOTING**
 NON-ADJUSTABLE 90mm (3 1/2") DIA. X 4.78mm (3/16") PIPE COLUMN WITH 150mm X 150mm X 9.5mm (6" X 6" X 3/8") TOP AND BOTTOM PLATE ON 1070mm X 1070mm X 460mm (42" X 42" X 18") CONC. FTG. 15MPa (2200 psi) CONC. STRG. FOOTING SIZE MAY VARY-SEE PLANS.

- 4 **INTERIOR STUD PARTITIONS**
 12.7mm (1/2") INT. DRYWALL ON BOTH SIDES (FOR FIN. AREAS) 2 TOP PLATES & 1 BOTTOM PLATE TO MATCH STUD WIDTH.
 LOAD BEARING WALLS
 38mm x 89mm (2 X 4) OR 38mm x 140mm (2 X 6) @ 406mm (16") O.C.
 NON-LOAD BEARING WALLS
 38mm x 89mm (2 X 4) OR 38mm x 140mm (2 X 6) @ 610mm (11 1/4") O.C.

- 5 **FOUNDATION WALL**
 100 MM (4") DIA. DRAINAGE PIPE, 150 MM (6") CRUSHED STONE OVER AND AROUND ALL DRAINAGE PIPE
- 6 100 MM (4") DIA. DRAINAGE PIPE, 150 MM (6") CRUSHED STONE OVER AND AROUND ALL DRAINAGE PIPE
- 7 100 MM (4") DIA. DRAINAGE PIPE, 150 MM (6") CRUSHED STONE OVER AND AROUND ALL DRAINAGE PIPE

- 8 FIN. FLOOR ON 19mm (3/4") T&G SUBFLOOR ON WOOD FLOOR JOISTS. (ARTICLE 9.30.6. FOR CERAMIC TILE)
- 9 RSI 8.81 (R50) ROOF INSULATION AND 6 mil. AIR/VAPOUR BARRIER. 15.9mm (5/8") INT. DRYWALL FINISH.

- 10 **ALL STAIRS (EXTERIOR & INTERIOR)**
 MIN. RISE = 125mm (4 7/8") MAX. RISE = 200mm (7 7/8")
 MIN. RUN = 210mm (8 1/4") MAX. RUN = 355mm (14")
 MIN. TREAD = 235mm (9 1/4") MAX. TREAD = 355mm (14")
 FOR CURVED STAIRS
 MIN. RUN = 150mm (5 7/8")
 MIN. AVERAGE RUN = 200mm (7 7/8")
 MIN. HEADROOM = 1920mm (6'-5")
 MIN. WIDTH = 860mm (2'-10")
 NOSING (Max. curved or beveled edge) = 25mm (1")

- 11 **GUARDS/HANDRAILS**
 ALL GUARDS AND HANDRAILS ARE TO COMPLY WITH THE REQUIREMENTS OF THE O.B.C. SUBSECTION 9.8.7 AND 9.8.8
 GUARD @ INT. LANDING/STAIR OR FLOORS..... = 900mm (2' 11")
 HANDRAIL @ INT. STAIR/RAMP..... MIN= 865 (2' 10") MAX.= 965mm (3' 2")
 GUARD/HANDRAIL @ EXT. LANDING/BALCONY (Greater than 1800mm above finish grade) = 1070mm (3' 6")
 GUARD/HANDRAIL @ EXT. LANDING/STAIR..... = 900mm (2' 11")
 HANDRAIL @ EXT. STAIR..... MIN= 865 (2' 10") MAX.= 965mm (3' 2")
 PICKETS MAX. 100mm (4") BETWEEN

- 12 38 X 140 (2 X 6) SILL PLATE WITH 12.7MM (1/2") DIA. ANCHOR BOLTS 300 MM (12") LONG MIN. 100 MM (4") IN CONC. @ 1200 MM (4'-0") O.C. CONTINUOUS CAULKING OR GASKET BETWEEN SILL PLATE, AIR BARRIER AND CONCRETE WALL.

- 13 RSI 2.11 (R12) BLANKET INSULATION W/ 6 mil. AIR/VAPOUR BARRIER (MAX. 150 FLAME SPREAD RATING) OR RSI 2.11 (R12) BATT INSULATION WITH 38mm x 89mm (2 x 4) @ 610mm (2'-0") O.C. WOOD STRAPPING AND 6 mil. AIR/VAPOUR BARRIER (MAX. 150 FLAME SPREAD RATING) TO 800 mm (2'-0") BELOW GRADE & MAX. 200 mm (8") ABOVE FINISHED FLOOR LEVEL OF BASEMENT. PROVIDE 0.7 kg/m² (No. 15) BLDG. PAPER BETWEEN FOUNDATION WALL AND INSULATION.

- 14 **BEARING STUD PARTITION**
 38mm x 89mm (2x4) OR 38mm X 140mm (2x6) STUDS @ 406mm (16") O.C. (AS PER WORKING DRAWINGS) WITH 2 TOP PLATES AND SINGLE SILL PLATE TO MATCH STUD WIDTH ON DAMPROOFING MATERIAL. 12.7mm (1/2") DIA. ANCHOR BOLTS @ 2400mm (7'-10") O.C. ON 100mm (4") HIGH CONC. CURB ON 350mm x 150mm (14" x 6") CONC. FOOTING.

- 15 **STEEL PIPE COLUMN / FOOTING**
 ADJUSTABLE 90mm (3 1/2") DIA. PIPE COLUMN W/ MIN. CAPACITY OF 82.8 kN (18613 lbs) CONFORMING TO CAN/CSG-S7-2.94 WITH 150mm X 150mm X 9.5mm (6" X 6" X 3/8") TOP AND BOTTOM PLATE ON 870mm X 870mm X 410mm (34" X 34" X 16") CONC. FTG. 15MPa (2200 psi) CONC. STRG. FOOTING SIZE AND COLUMN TYPE MAY VARY-SEE PLANS.

- 15A **STEEL PIPE COLUMN / FOOTING**
 ADJUSTABLE 90mm (3 1/2") DIA. PIPE COLUMN W/ MIN. CAPACITY OF 108.6 kN (24000 lbs) CONFORMING TO CAN/CSG-S7-2.94 WITH 150mm X 150mm X 9.5mm (6" X 6" X 3/8") TOP AND BOTTOM PLATE ON 1070mm X 1070mm X 460mm (42" X 42" X 18") CONC. FTG. 15MPa (2200 psi) CONC. STRG. FOOTING SIZE AND COLUMN TYPE MAY VARY-SEE PLANS.

- 15B **STEEL PIPE COLUMN / FOOTING**
 NON-ADJUSTABLE 90mm (3 1/2") DIA. X 4.78mm (3/16") PIPE COLUMN WITH 150mm X 150mm X 9.5mm (6" X 6" X 3/8") TOP AND BOTTOM PLATE ON 1070mm X 1070mm X 460mm (42" X 42" X 18") CONC. FTG. 15MPa (2200 psi) CONC. STRG. FOOTING SIZE MAY VARY-SEE PLANS.

- 16 BEAM POCKET.
- 17 19mm x 89mm (1 x 4) BOTH SIDES OF STEEL BEAM.
- 18 100 MM (4") CONC. SLAB SLOPE TO FLOOR DRAINS. CONC. STRG. 32 MPa. (4650 PSI) WITH 5-8 % AIR ENTRAINMENT. MOISTURE BARRIER OR 6" CRUSHED STONE FILL BENEATH SLAB TO BE COMPACTED TO PROVIDE UNIFORM SUPPORT.

- 19 15.9 MM (5/8") GYPSUM BD. ON WALLS AND CEILING BETWEEN HOUSE AND GARAGE. RSI 3.87 (R22) BATT INSULATION IN WALLS. RSI 5.46 (R31) IN CEILINGS. TAPE AND SEAL ALL JOINTS. GAS TIGHT & VAPOUR PROOF. 6 MIL AIR /VAPOUR BARRIER ON WARM SIDE.
- 20 DOOR GASPROOFED WITH SELF CLOSER AND WEATHER STRIPPING.
- 21 PRECAST CONCRETE STEP.

- 22 CAPPED DRYER VENT.
 MAX. UNPROTECTED OPENING AREA OF 130 cm² (20 sq. in.)
- 23 ATTIC ACCESS: 0.32m² WITH NO DIMENSION LESS THAN 545mm HATCH 300mm x 700mm (20" x 28") WITH WEATHER STRIPPING AND INSULATED.

- 24 TOP OF FIREPLACE CHIMNEYS SHALL BE 900mm (2'-11") ABOVE HIGHEST AT WHICH IT COMES IN CONTACT WITH THE ROOF AND 600mm (23 5/8") ABOVE ROOF SURFACE OR STRUCTURE (INCLUDING ADJACENT BUILDINGS) WITHIN A HORIZONTAL DISTANCE OF 3000mm (9'-10") FROM THE CHIMNEY. MAX. HEIGHT OF UNSUPPORTED CHIMNEY IS 3600mm (11'-10") ABOVE LAST POINT OF LATERAL SUPPORT.

- 25 LINEN CLOSET 4 SHELVES MIN. 350mm (1'-2") DEEP.
- 26 ROOMS WHERE SPECIFIED TO BE MECHANICALLY VENTED TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR.
- 27 JOISTS, BEAMS & TRUSSES TO BE STAGGERED & FIRECUT AT PARTY WALL OR FIREWALL MIN. 100mm (4") SOLID MASONRY SEPARATION AT STAGGERED CONDITION OR END-TO-END CONDITION.

- 28 U.L.C. RATED CLASS 'B' VENT. HEIGHT SHALL BE IN ACCORDANCE WITH ONTARIO GAS UTILIZATION CODE.
- 29 140mm x 140mm (6 x 6) WOOD COL. OR BUILT-UP WD. COL. ON METAL BASE SHOE AND 12.7mm (1/2") DIA. BOLT 610mm x 610mm x 200mm (24" x 24" x 8") CONC. FTG.
- 30 STEP FOOTINGS:
 HORIZONTAL STEP = 600mm (23 5/8") MIN.
 VERTICAL STEP = 600mm (23 5/8") MAX. FOR FIRM SOILS & 400mm FOR SAND & GRAVEL.

- 31 MIN. 75mm (3") CONCRETE SLAB-ON-GRADE ON 125mm (5") CRUSHED STONE, REINFORCED WITH 6 x 6-W2.9 W2.9 MESH AND SUCH REINFORCEMENT SHALL BE LOCATED NEAR MID-DEPTH OF SLAB. CONC. STR. 32 MPa (4650 psi) AND WITH 5-8% AIR ENTRAINMENT. 75mm (3") MIN. SLAB BEARING @ PERIMETER.

- 32 PROVIDE 200mm (8") DEEP SOLID MASONRY UNDER ALL BEAMS.
- 33 MASONRY PARTY WALLS SHALL EXTEND TO UNDERSIDE OF ROOF DECK OR SHEATHING & CAULKED MIN. 1 HOUR FIRE RATING. PROVIDE SMOKE TIGHT JOINT

- 34 ALL JOISTS TO BE BRIDGED WITH 38mm x 38mm (2 x 2) CROSS BRIDGING OR SOLID BLOCKING AT 2100mm (7'-0") O.C. MAX. STRAPPING SHALL BE 19mm x 64mm (1 x 3) SPACED AT 2100mm (7'-0") O.C. WHERE SPECIFIED. PROVIDE SOLID BLOCKING @ 1200mm (3'-11") MAX. BELOW WALLS RUNNING PARALLEL TO JOISTS.

- 35 WOOD FRAMING MEMBERS THAT ARE NOT PRESSURE TREATED AND ARE IN CONTACT WITH CONCRETE THAT IS LESS THAN 150mm (6") ABOVE GROUND OR SLAB. PROVIDE 6 mil. POLYETHYLENE FILM OR No. 5 (458) ROLL ROOFING DAMPROOFING BETWEEN WOOD AND CONCRETE.

- 36 **BLOCK VENEER WALL**
 100mm (4") CONCRETE BLOCK TO SUPPORT BRICK ABOVE. AIR SPACE, METAL TIE, BLDG. PAPER ETC. AS PER NOTE ④ EXCEPT NO WEEP HOLES.
- 37 COMBUSTION AIR SUPPLY TO FIREPLACE MIN. 100mm (4") DIA. INSULATED NON-COMBUSTIBLE DUCT WITH OPERABLE DAMPER AND INSECT SCREEN 50mm (2") CLEARANCE TO COMBUSTIBLES.

- 38 **STEEL PIPE COLUMN - NON-ADJUSTABLE**
 CSA G40.21, 350W CLASS 'C' HISS
 90mm (3 1/2") DIA. WITH 4.78mm (3/16") WALL THICKNESS
 NON-ADJUSTABLE STEEL PIPE COLUMN WITH 150mm x 150mm X 9.5mm (6" X 6" X 3/8") TOP AND BOTTOM PLATE ON 1070mm X 1070mm X 460mm (42" X 42" X 18") CONC. FTG. 15MPa (2200 psi) CONC. STRG. FOOTING SIZE AND COLUMN TYPE MAY VARY-SEE PLANS.

- 38A **STEEL PIPE COLUMN - NON-ADJUSTABLE**
 CSA G40.21, 350W CLASS 'C' HISS
 90mm (3 1/2") DIA. WITH 4.78mm (3/16") WALL THICKNESS
 NON-ADJUSTABLE STEEL PIPE COLUMN WITH 6mm (1/4") BENT UP TOP PL. AND 38mm x 290mm x 12mm (6" X 10" X 1/2") BASE PLATE W/ 2-12mm DIA. X 300mm LONG AND 50mm HOOK (2-1/2" X 12" X 2") WELDED TO EACH END. WELD PIPE COLUMN TO BASE PLATE ON SITE.

- 39 **LATERAL SUPPORT OF MASONRY WALL**
 BOTTOM OF ROOF JOIST AND BOTTOM OF FLOOR JOIST TO BE STRAPPED TO PARTY WALL AT MAX. INTERVALS OF 2000mm (6'-7") WITH 40mm x 4.78mm (1 3/16" X 3/16") THICK CORROSION RESISTANT STRAPS. FOR FLOOR JOIST PARALLEL TO PARTY WALL EXTEND STRAPS ACROSS BOTTOM OF AT LEAST 3 JOISTS

- 40 **GARAGE WALLS**
 SAME AS NOTE NO. ② OR ③ WITH THE FOLLOWING EXCEPTIONS: STUDS TO BE 38mm x 89mm (2 x 4) @ 406mm (16") O.C., WOOD GIRTS @ 1200mm (3'-11") O.C. VERTICALLY. DELETE INSULATION, 6 mil. AIR/VAPOUR BARRIER & DRYWALL.
 MAXIMUM STUD HEIGHT OF 3000mm (9'-10")

- 40A **GARAGE WALLS**
 SAME AS NOTE NO. ② OR ③ WITH THE FOLLOWING EXCEPTIONS: STUDS TO BE 2-38mm x 89mm (2-2 x 4) @ 406mm (16") O.C., WOOD GIRTS @ 1200mm (3'-11") O.C. VERTICALLY. DELETE INSULATION, 6 mil. AIR/VAPOUR BARRIER & DRYWALL.
 MAXIMUM STUD HEIGHT OF 3500mm (11'-6")

- 40B **GARAGE WALLS**
 SAME AS NOTE NO. ② OR ③ WITH THE FOLLOWING EXCEPTIONS: STUDS TO BE 2-38mm x 89mm (2-2 x 4) @ 406mm (16") O.C., WOOD GIRTS @ 1200mm (3'-11") O.C. VERTICALLY. DELETE INSULATION, 6 mil. AIR/VAPOUR BARRIER & DRYWALL.
 MAXIMUM STUD HEIGHT OF 3500mm (11'-6")

- 41 **PORCH SLAB - 5"**
 130mm (5") POURED CONC. 32MPa (4650 psi) PORCH SLAB WITH 5 - 8% AIR ENTRAINMENT AND 10M REBARS @ 200mm (7 7/8") EACHWAY WITH MIN. 40mm (1 1/2") CLEAR COVER FROM THE BOTTOM OF THE SLAB TO THE FIRST LAYER OF BARS AND THE SECOND LAYER OF BARS LAID DIRECTLY ON TOP OF THE LOWER LAYER IN THE OPPOSITE DIRECTION. 75mm (3") MIN. SLAB BEARINGS, 10 M DOWELS 600mm X 600mm (23 5/8" X 23 5/8") @ 600mm (23 5/8") O.C. AROUND PERIMETER. REINFORCING STEEL GRADE 400 - CAN/CSA-G30.18-M

- 41A **PORCH SLAB - 6"**
 150mm (6") POURED CONC. 32MPa (4650 psi) PORCH SLAB WITH 5 - 8% AIR ENTRAINMENT AND 15M REBARS @ 300mm (12") EACHWAY WITH MIN. 40mm (1 1/2") CLEAR COVER FROM THE BOTTOM OF THE SLAB TO THE FIRST LAYER OF BARS AND THE SECOND LAYER OF BARS LAID DIRECTLY ON TOP OF THE LOWER LAYER IN THE OPPOSITE DIRECTION. 75mm (3") MIN. SLAB BEARINGS, 10 M DOWELS 600mm X 600mm (23 5/8" X 23 5/8") @ 600mm (23 5/8") O.C. AROUND PERIMETER. REINFORCING STEEL GRADE 400 - CAN/CSA-G30.18-M

- 42 **EXPOSED FLOOR**
 RSI 5.46 (R31) BATT INSULATION OR SPRAY FOAM INSULATION WITH AIR/VAPOUR BARRIER DRAFT STOP AND PREFINISHED ALUMINUM SOFFIT TO EXPOSED FLOOR ABOVE

- 43 **2 STOREY WALLS - DOUBLE VOLUME**
 2-38mm x 140mm (2-2 x 6) SPR. #2 CONTINUOUS STUDS @ 305mm (12") O.C. FROM SILL PLATE TO TOP PLATE. WOOD GIRTS @ 1200mm (3'-11") O.C. VERTICALLY. WALL CONSTRUCTION SHALL CONFORM TO OBC 9.23.10.1 (2)

- 43A **2 STOREY WALLS - DOUBLE VOLUME**
 2-38mm x 140mm (2-2 x 6) SPR. #2 CONTINUOUS STUDS @ 406mm (16") O.C. FROM SILL PLATE TO TOP PLATE. WOOD GIRTS @ 1200mm (3'-11") O.C. VERTICALLY. WALL CONSTRUCTION SHALL CONFORM TO OBC 9.23.10.1 (2)

- 43B **2 STOREY WALLS - DOUBLE VOLUME**
 2-38mm x 140mm (2-2 x 6) SPR. #2 CONTINUOUS STUDS @ 305mm (12") O.C. FROM SILL PLATE TO TOP PLATE. WOOD GIRTS @ 1200mm (3'-11") O.C. VERTICALLY. WALL CONSTRUCTION SHALL CONFORM TO OBC 9.23.10.1 (2)

- 43C **2 STOREY WALLS - DOUBLE VOLUME**
 2-38mm x 140mm (2-2 x 6) SPR. #2 CONTINUOUS STUDS @ 305mm (12") O.C. FROM SILL PLATE TO TOP PLATE. WOOD GIRTS @ 1200mm (3'-11") O.C. VERTICALLY. WALL CONSTRUCTION SHALL CONFORM TO OBC 9.23.10.1 (2)

- 44 **EXTERIOR WALL LESS THAN 1.2 M TO PROPERTY LINE (45 MINUTE F.R.R.)**
 BRICK VENEER WALL OR FRAME WALL CONSTRUCTION
 CONSTRUCTION OF WALLS AS PER NOTES ② OR ④ EXCEPT AS PER THE FOLLOWING NOTES. INSULATION CONFORMING TO CANULC-5702 AND HAVING A MASS OF 4.8 kg/m² FOR 150mm THICKNESS & 2.8 kg/m² FOR 89mm THICKNESS. 12.7mm (1/2") TYPE 'X' INT. DRYWALL FINISH.

- 45 **EXTERIOR NON-COMBUSTIBLE CLAD WALL LESS THAN 0.6 M TO PROPERTY LINE (45 MINUTE F.R.R.)**
 FRAME WALL CONSTRUCTION
 CONSTRUCTION OF WALLS AS PER NOTES ② OR ④ EXCEPT AS PER THE FOLLOWING NOTES. INSULATION CONFORMING TO CANULC-5702 AND HAVING A MASS OF 4.8 kg/m² FOR 150mm THICKNESS & 2.8 kg/m² FOR 89mm THICKNESS. 12.7mm (1/2") TYPE 'X' INT. DRYWALL FINISH. 12.7mm (1/2") EXT. GYPSUM SHEATHING ON 11mm (7/16") OSB FOR EXT.

- 46 **CONVENTIONAL ROOF FRAMING**
 38 X 140 (2 X 6) SP#2 RAFTERS @ 406 MM (16") O.C. 38 X 184 (2 X 8) RIDGE BD. HIP & VALLEY RAFTERS. 38 X 89 (2 X 4) COLLAR TIES @ MIDSPAN. CEILING JOISTS TO BE 38 X 89 (2 X 4) @ 406 MM (16") O.C. FOR A MAX. 2430 MM (8'0") SPAN & 38 X 140 (2X6) @ 406 MM (16") O.C. FOR A MAX. 4450 MM (14'-7") SPAN. RAFTERS FOR BUILT UP ROOF TO BE 38 X 89 (2 X 4) @ 610 MM (24") O.C. W/ A 38 X 89 (2 X 4) COLLAR TIE AS REQUIRED FOR STABILITY.

- 47 **COLD CELLAR**
 FULL HEIGHT INSULATION ON INTERIOR SIDE OF FOUNDATION WALLS SEPARATING HEATED SPACE FROM COLD CELLAR. INSULATED DOOR WITH WEATHER STRIPPING. 100mm (4") DIA. PVC PIPE SLEEVE VENT W/ PAINTED INSECT SCREEN. PULL CHAIN LIGHT FIXTURE AND FLOOR DRAIN.

- 48 OVAL TUB AS SHOWN - 1530mm (5'-0") X 1070mm (3'-6") OR 1530mm (5'-0") X 1530mm (5'-0") CORNER TUB ON CERAMIC TILE DECK W/ 2 ROWS OF TILE ON WALL AROUND DECK MINIMUM 400mm (1'-4") HIGH

- 49 140mm X 140mm (6 X 6) PRESSURE TREATED WOOD POST WITH GALVANIZED METAL CAP ANCHORED TO BEAM ABOVE AND GALVANIZED METAL SHOE NEEDED TO PORCH SLAB OR MASONRY PIER BELOW

LIST OF DRAWINGS	
1	CONSTRUCTION NOTES AND AREAS
2	BASEMENT PLAN & GROUND FLOOR PLAN ELEVATION 'A' PARTIAL BASEMENT & GROUND FLOOR PLANS ELEV. 'B'
3	SECOND FLOOR PLANS, LOFT PLANS ELEVATION 'A' PARTIAL SECOND FLOOR PLANS ELEVATION 'B'
4	9'-0" BASEMENT & GROUND FLOOR PLANS & FOUNDATION DETAILS FOR 9'-0" BASEMENT
5	FRONT, SIDES & REAR ELEVATION 'A'
6	FRONT, SIDES & REAR ELEVATION 'B'
7	SECTION 'A' - 'A' & ROOF PLANS & DETAILS
8	DETAILS
9	DETAILS
10	
11	
12	
13	
14	
15	

DOOR SCHEDULE
 MAIN ENTRANCE DOOR TO BE OPENABLE FROM INSIDE WITHOUT KEY. ALL EXTERIOR DOORS TO HAVE WEATHER STRIPPING
 ① - EXTERIOR DOOR 915 X 2430 X 45 (3'0" X 8'0" X 1 3/4") INSULATED MIN. RSI 0.7. (R4)
 ② - EXTERIOR DOOR 815 X 2430 X 45 (2'8" X 8'0" X 1 3/4") INSULATED MIN. RSI 0.7 (R4)
 ③ - EXTERIOR DOOR 815 X 2130 X 45 (2'8" X 7'0" X 1 3/4") INSULATED MIN. RSI 0.7 (R4)
 ④ - EXTERIOR FRENCH OR GARDEN DOOR 915 X 2430 X 45 (3'0" X 8'0" X 1 3/4") INSULATED MIN. RSI 0.7. (R4)
 ⑤ - EXTERIOR FRENCH OR GARDEN DOOR 815 X 2430 X 45 (2'8" X 8'0" X 1 3/4") INSULATED MIN. RSI 0.7. (R4)
 ⑥ - EXTERIOR FRENCH OR GARDEN DOOR 815 X 2030 X 45 (2'8" X 6'8" X 1 3/4") INSULATED MIN. RSI 0.7. (R4)
 ⑦ - DOOR 815 X 2430 X 35 (2'8" X 8'0" X 1 3/8")
 ⑧ - DOOR 760 X 2430 X 35 (2'6" X 8'0" X 1 3/8")
 ⑨ - DOOR 710 X 2430 X 35 (2'4" X 8'0" X 1 3/8")
 ⑩ - DOOR 610 X 2430 X 35 (2'0" X 8'0" X 1 3/8")
 ⑪ - DOOR 460 X 2430 X 35 (1'6" X 8'0" X 1 3/8")
 ⑫ - DOOR 815 X 2130 X 35 (2'8" X 6'8" X 1 3/8")
 ⑬ - DOOR 760 X 2130 X 35 (2'6" X 6'8" X 1 3/8")
 ⑭ - DOOR 710 X 2130 X 35 (2'4" X 6'8" X 1 3/8")
 ⑮ - DOOR 610 X 2130 X 35 (2'0" X 6'8" X 1 3/8")
 ⑯ - DOOR 460 X 2130 X 35 (1'6" X 6'8" X 1 3/8")

BEDROOM WINDOWS
 AT LEAST ONE WINDOW PER FLR. TO HAVE AN UNOBSTRUCTED OPEN PORTION HAVING A MIN. AREA OF 0.35 m² (3.8 sq. ft.) WITH NO DIMENSION LESS THAN 380mm (15"). EXCEPT FOR BASEMENT AREAS. THE ABOVE NOTED WINDOW SHALL HAVE A MAX. SILL HEIGHT OF 1000mm (3'-3") ABOVE FIN. FLOOR.

EGRESS WINDOW (THIRD FLOOR)
 AT LEAST ONE WINDOW TO HAVE AN UNOBSTRUCTED OPENING OF NOT LESS THAN 1000mm (3'-3") IN HEIGHT & 550mm (21-5/8") IN WIDTH. SILL HEIGHT OF 1000mm (3'-3") ABOVE FIN. FLOOR & 7000mm (23-0") ABOVE ADJACENT GROUND LEVEL.

SOIL GAS CONTROL
 BUILDING CONSTRUCTION IS TO CONFORM WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE (O.B.C.) FOR SOIL GAS CONTROL AS PER SUBSECTION 9.13.4

#	Description	Date	By

LINTEL / BEAM SCHEDULE		LEGEND	
L1 2-38 x 184 (2-2 x 8) SPR. #2	☉ CLASS 'B' VENT	SB □ SOLID WOOD BEARING	SPR. #2
L2 2-38 x 184 (2-2 x 8) SPR. #2	☊ EXHAUST VENT	SA ■ SMOKE ALARM (INTERCONNECTED)	SPR. #2
L3 2-38 x 235 (2-2 x 10) SPR. #2	☋ DUPLEX OUTLET (12" HIGH)	SB ■ BATTERY BACK UP	SPR. #2
L4 2-38 x 235 (2-2 x 10) SPR. #2	☌ DUPLEX OUTLET (HGT AS NOTED)	PL □ POINT LOAD	SPR. #2
L5 2-38 x 286 (2-2 x 12) SPR. #2	☍ WEATHERPROOF DUPLEX OUTLET	CO □ CARBON MONOXIDE ALARM	SPR. #2
L6 30 x 90 x 8.0 (3-12 x 3-12 x 5/16 L)	☎ HEAVY DUTY OUTLET	APF = ABOVE FINISHED FLOOR	SPR. #2
L7 30 x 90 x 8.0 (3-			

