

BARRIER FREE DESIGN: -9.5.2. O.B.C.

STAIR WALL REINFORCEMENT: 9.5.2.3. O.B.C. IF WOOD WALL STUDS OR SHEET WALL STUDS ENCLOSE THE MAIN BATH IN A DWELLING UNIT, REINFORCEMENT SHALL BE INSTALLED TO PERMIT THE FUTURE INSTALLATION OF A GRAB BAR.

WINDOWS, DOORS & SKYLIGHTS: -9.7. O.B.C.

FOR PERFORMANCE OF WINDOWS, DOORS AND SKYLIGHTS SEE 9.7.1 OF O.B.C.
INSTALLATION OF WINDOWS, DOORS AND SKYLIGHTS SHALL CONFORM TO CAN/CSA-A440.4 AS PER 9.7.1.1. WINDOWS AND EXTERIOR DOORS, EXCEPT GARAGE DOORS, SHALL BE PROVIDED WITH STORM WINDOWS, DOORS OR OTHER MEANS OF MINIMIZING HEAT LOSS OR INFILTRATION. CAULKING SHALL BE PROVIDED BETWEEN WINDOW AND DOOR FRAMES AND EXTERIOR SILING OR MASONRY. A DOOR BETWEEN A GARAGE AND DWELLING SHALL BE AN EXTERIOR TYPE, TIGHT FITTING AND WEATHER STRIPPED TO PROVIDE AN EFFECTIVE BARRIER AGAINST GAS AND EXHAUST FLAMES AND SHALL BE FITTED WITH A SELF CLOSING DEVICE AND SHALL COMPLY WITH RESISTANCE TO FORCED ENTRY. DOOR TO GARAGE SHALL NOT OPEN INTO A BEDROOM. DOORS TO DWELLING SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF KEYS. ATTIC ACCESS HATCH TO BE 30x20" (500mm x 700mm) INSULATED AND WEATHER STRIPPED. EVERY FLOOR LEVEL CONTAINING BEDROOMS MUST BE PROVIDED WITH AT LEAST 1 OUTSIDE WINDOW THAT CAN BE OPENED FROM THE INSIDE WITHOUT THE USE OF TOOLS. THESE WINDOWS MUST HAVE AN UNOBSTRUCTED OPEN PORTION HAVING A MIN. AREA OF 0.8 SQ.M. (3.3 SQ.FT.) WITH NO OVERHANG LESS THAN 300mm (12") AND MAINTAIN THE REQUIRED OPENING WITHOUT THE NEED FOR ADDITIONAL SUPPORT (SEE 9.8.10.1. O.B.C.). FOR SLIDING WINDOWS, THE MINIMUM OPEN MUST APPLY TO THE OPENABLE PORTION OF THE WINDOW. SLITS MUST BE NO MORE THAN 11" (279mm) ABOVE THE FLOOR. FOR EGRESS WINDOWS, MANUFACTURED WINDOWS, DOOR AND SKYLIGHTS SHALL CONFORM TO CAN/CSA-A440.4 (10.1.1.5.2) AND 10.1.1.5.2. STANDARDS (SEE 9.7.1.1. O.B.C.). RESISTANCE TO FORCED ENTRY FOR DOORS, FRAMES AND HARDWARE THAT CONFORM TO A SECURITY LEVEL OF AT LEAST GRADE 10 AS DESCRIBED IN THE ANNEX TO ASTM A1565 "SECURITY OF SWINGING DOOR ASSEMBLIES" ARE NOT REQUIRED TO CONFORM TO 9.7.2.2. (8), (9), & (10). (SEE 9.7.2.2. O.B.C.) FOR RESISTANCE TO FORCED ENTRY FOR DOORS & WINDOWS REFER TO O.B.C. 9.7.2.2. & 9.7.2.3. MAIN ENTRANCE DOORS TO DWELLING UNITS SHALL BE PROVIDED WITH A DOOR VIEWER OR TRANSPARENT GLAZING IN THE DOOR OR A SIDE LIGHT. (SEE O.B.C. 9.7.2.2) FOR RESISTANCE TO FORCED ENTRY FOR DOORS & WINDOWS REFER TO O.B.C. 9.7.2.2. & 9.7.2.3.

STAIRS, RAMPS, HANDRAILS, & GUARDS: -9.8. O.B.C.

RECTANGULAR TREADS AS PER 9.8.1.1. O.B.C. INTERIOR AND EXTERIOR. MAXIMUM RISE 7 1/8" (200mm), MINIMUM RISE 5 1/8" (140mm). MAXIMUM RUN 12" (305mm). MINIMUM RUN 9 1/2" (240mm). MAXIMUM TREAD 12" (305mm). MINIMUM TREAD 9 1/4" (235mm). MAXIMUM 25mm NOSING. * STAIR WIDTH: INTERIOR MINIMUM 2'10" (660mm) BETWEEN WALL FACES OR GUARDS. EXTERIOR 2'0" (500mm). * CLEAR HEIGHT OVER STAIRS: INTERIOR 6'5" (1950mm) MINIMUM. EXTERIOR 6'8" (2030mm). * LANDINGS: AS PER 9.8.6. O.B.C.
EXCEPT AS PROVIDED IN SENTENCE 9.8.2.2 (b) STAIRS, RAMPS, LANDINGS, HANDRAILS AND GUARDS IN A GARAGE THAT SERVES A SINGLE DWELLING UNIT SHALL CONFORM TO THE SAME REQUIREMENTS AS FOR A DWELLING. (SEE 9.8.1.2) * FOR UNIFORMITY AND TOLERANCES FOR RISERS AND TREADS SEE 9.8.4.4. * HANDRAILS ON STAIRS AND RAMPS: AS PER 9.8.7.1. O.B.C. MINIMUM 34" (863mm), MAXIMUM 38" (965mm) ABOVE NOSING. * HANDRAILS MINIMUM 2" (50mm) CLEARANCE FROM WALL. * GUARDS: AS PER 9.8.8. O.B.C. INTERIOR GUARDS, MINIMUM 36" (914mm) HIGH AROUND LANDINGS AND FLOOR AREAS OF MORE THAN TWO RISERS. * EXTERIOR GUARDS, MINIMUM 38" (965mm) HIGH FOR GRADES GREATER THAN 2:1 AND MINIMUM 42" (1067mm) HIGH FOR GRADES GREATER THAN 3:1 (1000mm). THE HEIGHT OF GUARDS FOR EXTERIOR STAIRS AND LANDINGS MORE THAN 10.0m ABOVE ADJACENT GROUND LEVEL SHALL NOT BE LESS THAN 1500mm (SEE 9.8.8.3.2). PICKETS IN GUARDS FOR STAIRS AND AROUND LANDINGS TO BE A MAXIMUM OF 100mm (4") APART. (SEE 9.8.8.5. O.B.C.). * CURVED TREADS (ANGLED TREADS) TO HAVE MINIMUM RUN 8" AND MINIMUM AVERAGE RUN OF 7 7/8" (200mm). * GUARDS AS REQUIRED BY 9.8.8.1. O.B.C. SHALL BE DESIGNED SO THAT NO MEMBER, ATTACHMENT OR OPENING LOCATED BETWEEN 5 1/2" (140mm) AND 9'0" (2700mm) ABOVE THE FLOOR OR WALKING SURFACE PROTECTED BY THE GUARD WILL FACILITATE CLIMBING. (SEE 9.8.8.4. O.B.C.). * PROVIDE A GUARD OR 2x4 NON-LOAD BEARING WALL FINISHED WITH 1/2" (12mm) CRYSTALLINE SIDE) AROUND BASEMENT STAIRS AS PER 9.8.8.1. O.B.C. RAMPS: MINIMUM SLOPE FOR PEDESTRIAN RAMP TO BE 1 IN 10.

FIRE PROTECTION: -9.10. O.B.C.

AN EXPOSED BUILDING FACE, LESS THAN 4' (1.2m) FROM THE LOT LINE SHALL HAVE A MINIMUM FIRE RESISTANCE RATING OF 3H HOURS. * EXTERIOR WALLS LESS THAN 2'0" (600mm) FROM THE LOT LINE SHALL BE CLAD WITH NON-COMBUSTIBLE MATERIAL. * WALLS LESS THAN 4'0" (1.2m) FROM THE LOT LINE SHALL HAVE NO UNPROTECTED WINDOWS. * PARTY WALLS SHALL HAVE ONE HOUR MINIMUM FIRE RATING. * PROVIDE FIRE BLOCKS AS PER 9.10.16. O.B.C. * FLAME SPREAD RATING OF INTERIOR FINISHES 150 MAXIMUM (SEE 9.10.17. O.B.C.). * SMOKE ALARMS CONFORMING TO CANULC-9551 SHALL BE INSTALLED IN LOCATIONS AS PER 9.10.18.1. O.B.C. ON EACH STOREY, IN EACH BEDROOM & IN EACH HALLWAY AND INSTALLED AS PER CANULC-9551. * SMOKE ALARMS SHALL HAVE A VISUAL SIGNALING COMPONENT AS PER 9.10.18.3. (3) FOR SOUND PATTERNS OF SMOKE ALARMS SEE 9.10.18.2. * GARAGED END WALLS LESS THAN 4'0" (1.2m) TO LOT LINE SHALL HAVE MINIMUM ONE LAYER OF 5/8" LABELLED DRYWALL ON INSIDE FACE UP TO LANDER SIDE OF DECK. * WHERE FUEL BURNING APPLIANCES ARE INSTALLED IN A SUITE OF RESIDENTIAL OCCUPANCY A CARBON MONOXIDE ALARM SHALL BE INSTALLED ADJACENT TO EACH SLEEPING AREA IN THE SUITE (9.8.3.4.2. O.B.C.). SMOKE ALARMS SHALL BE PROVIDED WITH A BATTERY AS AN ALTERNATE POWER SOURCE IN CASE REGULAR POWER SUPPLY IS INTERRUPTED (SEE 9.10.18.4).

EXCAVATION: -9.12. O.B.C.

EXCAVATION: TOP SOIL AND VEGETABLE MATTER IN ALL UNDEVELOPED AREAS UNDER BUILDINGS SHALL BE REMOVED.

DRAINAGE: -9.14. O.B.C.

SURFACE DRAINAGE: THE BUILDING SHALL BE LOCATED ON THE BUILDING SITE GRADED SO THAT WATER WILL NOT ACCUMULATE AT OR NEAR THE BUILDING AND WILL NOT ADVERSELY AFFECT ADJACENT PROPERTIES. SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM THE BUILDING, WATER SUPPLY WELL OR LEACHING BED.

SUMP PITS, IF REQUIRED WHERE GRAVITY DRAINAGE IS NOT PRACTICAL, SHALL BE COVERED TO RESIST REMOVAL BY CHILDREN & SEALED IN ACCORDANCE TO SENTENCE 9.25.3.3. (14) (SEE 9.14.5.2)

FOOTINGS AND FOUNDATIONS: -9.15. O.B.C.

CONCRETE FOOTINGS SHALL REST ON UNDISTURBED SOIL WITH ALLOWABLE BEARING OF 150 KPA (21.75 PSF) OR GREATER, WHEN BEARING CAPACITY OF SOIL IS LESS THAN 150 KPA, STRUCTURAL ENGINEER SHOULD BE NOTIFIED IMMEDIATELY PRIOR TO COMMENCEMENT OF WORK. * MINIMUM DEPTH OF FOUNDATIONS TO BE 4'0" (1.2m) BELOW FINISHED GRADE. * AS PER 9.3.1.1. O.B.C. CONCRETE FOR UNREINFORCED FOOTINGS AND FOUNDATION WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AFTER 28 DAYS OF 15 MPa (2200 PSI). * 32 MPa FOR GARAGE FLOORS AND ALL EXTERIOR PLATINGS. * 20 MPa FOR INTERIOR FLOORS OTHER THAN GARAGES. * CONCRETE USED FOR GARAGE FLOORS AND EXTERIOR STEPS SHALL HAVE AIR ENTRAINMENT OF 5 - 8%. * WHERE STEPPED FOOTINGS ARE USED THE VERTICAL RISE BETWEEN HORIZONTAL PORTIONS SHALL NOT EXCEED 21.5% (800mm) AND THE HORIZONTAL DISTANCE BETWEEN RISERS SHALL BE NOT LESS THAN 600mm (23.6") (9.15.3.3. O.B.C.). * FOUNDATION WALLS SHALL EXTEND MINIMUM 150mm (5 7/8") ABOVE GRADE. * UNIT MASONRY WALLS TO BE DAMPROOFED AND PARGE BELOW GRADE WITH MINIMUM 1/4" (6mm) MORTAR PARGE AND SHALL BE COVERED OVER FOOTINGS. * CONCRETE WALLS TO BE DAMPROOFED SHALL HAVE ALL HOLES AND RECESSES RESULTING FROM REMOVAL OF FORM TIES, SEALED WITH CEMENT MORTAR OR DAMPROOFING MATERIAL. * MINIMUM FOOTING SIZES (9.15.3.3. O.B.C.). * EXTERIOR FOUNDATION WALL SHALL BE DRAINED BY DRAINAGE TILE OR PIPE Laid AROUND THE EXTERIOR PART OF THE FOUNDATION. THE DRAIN PIPE OR TILE SHALL BE COVERED WITH NO LESS THAN 150mm (6") OF CRUSHED STONE OR OTHER COARSE, CLEAN GRANULAR MATERIAL. (9.14.4.5. O.B.C.). * REDUCED FOUNDATION WALLS TO ALLOW BRICK FACING AND MAINTAIN LATERAL SUPPORT. THE BRICKS TO MIN. 3.5" (90mm) CONCRETE WITH TIES HAVING A MIN. CROSS SECTIONAL AREA OF NOT LESS THAN 17.8 sq. mm AND NOT LESS THAN A 50mm PORTION BENT AT RIGHT ANGLES AT EACH END (SEE 9.20.9.4. O.B.C.). AND SPACED @ NOT MORE THAN 200mm O.C. VERTICAL AND 900mm O.C. HORIZONTAL. FULL SPACE BE-AND BRICK WITH MORTAR.

FLOORS ON GROUND: -9.16. O.B.C.

CONCRETE SLABS ON GROUND SHALL BE MINIMUM 3" (75mm) THICK EXCLUSIVE OF CONCRETE TOPPING AND, EXCEPT FOR SLABS IN GARAGES ON NOT LESS THAN 4" (100mm) GRANULAR MATERIAL. (SEE 9.16.2. O.B.C.). CONCRETE SLABS ON GRADE SHALL BE REINFORCED WITH A 5/8" (16mm) BARS LOCATED NEAR MID-DEPTH OF SLAB. * CONCRETE SLABS UNDER FINISHED AREAS SHALL BE DAMPROOFED WITH 6 MIL. (0.15mm) POLYETHYLENE. * THE TOP OF EVERY SLAB ON GRADE SHALL BE MIN. 6" (150mm) ABOVE GRADE. * ANY OTHER FULL BENEATH THE TOP PORTION OF COARSE CLEAN GRANULAR MATERIAL SHALL BE COMPACTED.

CRAWL SPACES: -9.18. O.B.C.

WHERE AN UNHEATED CRAWL SPACE IS VENTILATED BY NATURAL MEANS, VENTILATION SHALL BE PROVIDED TO THE OUTSIDE AIR BY NOT LESS THAN 1.06 SQ. FT. (0.1 SQ. M) OF UNOBSTRUCTED VENT AREA FOR EVERY 500.2 SQ. FT. (46.5 SQ. M) OF FLOOR AREA. ACCESS TO CRAWL SPACES TO BE A MINIMUM OF 20x20" (500mm x 700mm) FITTED WITH DOORS OR HATCHES, INSULATED AND WEATHERSTRIPPED. * WHERE A CRAWL SPACE IS HEATED, A GROUND COVER CONSISTING OF NOT LESS THAN 0.15mm POLYETHYLENE SHEET CONFORMING TO CAN/CSA-S851, 34-M VAPOUR BARRIER, POLYETHYLENE SHEET FOR USE IN BUILDING CONSTRUCTION, SHALL BE INSTALLED AS PART OF AN AIR BARRIER SYSTEM IN ACCORDANCE WITH SUBSECTION 9.25.3. (SEE 9.18.6.2)

ROOF SPACES: -9.19. O.B.C.

EXCEPT WHERE IT CAN BE SHOWN TO BE UNNECESSARY, WHERE INSULATION IS INSTALLED BETWEEN A CEILING AND THE UNDERSIDE OF ROOF SHEATHING, A SPACE SHALL BE PROVIDED BETWEEN THE INSULATION AND THE SHEATHING, AND VENTS SHALL BE INSTALLED TO PERMIT THE MOVEMENT OF AIR FROM THE SPACE TO THE EXTERIOR. * ROOF SPACES: MINIMUM 1 SQ. FT. OF UNOBSTRUCTED VENTILATING AREA FOR EACH 300 SQ. FT. OF INSULATED CEILING AREA FOR ROOFS WITH A SLOPE EXCEEDING 2 IN 12. * MINIMUM 1 SQ. FT. OF UNOBSTRUCTED VENTILATING AREA FOR EACH 150 SQ. FT. OF INSULATED CEILING AREA FOR ROOFS WITH A SLOPE OF 2 IN 12 OR LESS. * ANY ROOF WHEN AN INTERIOR FINISH IS APPLIED TO ROOF RAFTERS. * REQUIRED VENTS ARE PERMITTED TO BE ROOF TYPE, GABLE END TYPE OR ANY COMBINATION OF THEM, AND SHALL BE DISTRIBUTED UNIFORMLY ON OPPOSITE SIDES OF THE BUILDING WITH NOT LESS THAN 25% OF THE REQUIRED OPENINGS AT THE TOP OF THE SPACE AND NOT LESS THAN 25% LOCATED AT THE BOTTOM OF THE SPACE. (SEE 9.21.2. O.B.C.)

WOOD FRAME CONSTRUCTION: -9.23. O.B.C.

ALL FLOOR JOISTS AND BEAMS TO BE #2 GRADE SPRUCE OR EQUAL UNLESS STATED OTHERWISE. * SKILL PLATES NOT LESS THAN 20mm x 80mm PROVIDING BEARING FOR THE FLOOR SYSTEM SHALL BE ANCHORED TO THE FOUNDATION WITH MINIMUM 1/2" (12.7mm) DIAMETER ANCHOR BOLTS SPACED NOT MORE THAN 7'-0" O.C. (2.1m). * ANCHOR BOLTS SHALL BE FASTENED TO THE SKILL PLATE WITH NUTS AND WASHERS AND SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) IN THE FOUNDATION AND SO DESIGNED THAT THEY MAY BE TIGHTENED WITHOUT WITH DRAWING THEM FROM THE FOUNDATION. * JOISTS SHALL HAVE A MINIMUM 1 1/2" (38mm) END BEARING. * BEAMS SHALL HAVE MINIMUM 3 1/2" (89mm) END BEARING. * JOISTS FRAMED INTO THE SIDES OF WOOD BEAMS SHALL BE SUPPORTED ON METAL JOIST HANGERS. * HEADER JOISTS SHALL BE DOUBLED WHEN THEY EXCEED 8'-11" (2.7m) IN LENGTH. * HEADER JOISTS EXCEEDING 10'-0" (3.0m) IN LENGTH SHALL BE DETERMINED BY CALCULATION. * TRIMMER JOISTS SHALL BE DOUBLED WHEN LENGTH OF HEADER JOIST EXCEEDS 2'-0" (600mm). * WHEN HEADER JOIST EXCEEDS 8'-7" (2.6m) SIZE OF TRIMMER JOISTS SHALL BE DETERMINED BY CALCULATION. * LOADBEARING INTERIOR WALLS PARALLEL TO FLOOR JOISTS SHALL BE SUPPORTED BY BEAMS OR WALLS OF SUFFICIENT STRENGTH TO TRANSFER SAFELY THE DESIGN LOADS TO VERTICAL SUPPORTS. * LOADBEARING INTERIOR WALLS AT RIGHT ANGLES TO FLOOR JOISTS SHALL BE LOCATED NOT MORE THAN 2'-4" (600mm) FROM JOIST SUPPORT WHEN THE WALL DOES NOT SUPPORT A FLOOR AND NOT MORE THAN 2'-4" (600mm) FROM THE JOIST SUPPORT WHEN THE WALL SUPPORTS ONE OR MORE FLOORS, UNLESS THE JOIST SIZE IS DESIGNED TO SUPPORT SUCH LOADS. * NON-LOADBEARING INTERIOR WALLS AT RIGHT ANGLES TO THE FLOOR JOISTS ARE NOT RESTRICTED AS TO LOCATION. * NON-LOADBEARING WALLS PARALLEL TO THE FLOOR JOISTS SHALL BE SUPPORTED BY JOISTS BENEATH THE WALL OR ON BLOCKING BETWEEN THE JOISTS. * BLOCKING FOR THE SUPPORT OF NON-LOADBEARING WALLS SHALL BE NOT LESS THAN 2"x4" (50mm x 89mm) LUMBER, SPACED NOT MORE THAN 4'-0" (1.2m) APART. * DOUBLE TOP PLATE FOR ALL LOADBEARING PARTITIONS. * DOUBLE STUDS AT CORNERS AND EACH SIDE OF OPENINGS. * FASTENINGS OF SHEATHING & SUB FLOORING SHALL CONFORM TO 9.23.3.5 WHERE ROOF SHEATHING SUPPORTS ARE SPACED AT MORE THAN 400mm O.C. THE MAXIMUM SPACING OF FASTENERS FOR ROOF SHEATHING SHALL BE 150mm ALONG EDGES AND INTERMEDIATE SUPPORTS (SEE 9.23.3.5). AS PER 9.23.3.4. O.B.C. CROSS BRIDGING FOR FLOOR JOISTS TO BE LOCATED NOT MORE THAN 8'-11" (2.7m) FROM EACH SUPPORT OR OTHER ROWS OF BRIDGING. * STRAPPING SHALL BE AT LEAST 1'-2" (300mm) NAILLED TO THE UNDERSIDE OF FLOOR JOISTS.

HEAT TRANSFER, AIR LEAKAGE, AND

CONDENSATION CONTROL: -9.25. O.B.C.

ALL WALLS, CEILINGS & FLOORS SEPARATING HEATED SPACE FROM UNHEATED SPACE, THE EXTERIOR AIR OR THE EXTERIOR SOIL SHALL BE PROVIDED WITH THERMAL INSULATION IN CONFORMANCE WITH SECTION 12.2 TO PREVENT MOISTURE CONDENSATION ON THEIR ROOM SIDE DURING THE WINTER AND TO ENSURE COMFORTABLE CONDITIONS FOR THE OCCUPANTS.

COND-HEAT TRANSFER, AIR LEAKAGE, AND CONDENSATION CONTROL: -9.25. O.B.C.

INSULATION: MINIMUM R-4 (RSI 0.7) FOR EXPOSED DOORS. INSULATE MINIMUM AS PER BUILDER SPECIFIED COMPLIANCE PACKAGE DOWN TO 8" (200mm) ABOVE THE BASEMENT SLAB INSULATE AS PER BUILDER SPECIFIED COMPLIANCE PACKAGE IN ALL EXTERIOR WALLS. INSULATE AS PER BUILDER SPECIFIED COMPLIANCE PACKAGE IN EXPOSED FLOORS AND ROOFS. MINIMUM INSULATION AS PER BUILDER SPECIFIED COMPLIANCE PACKAGE IN EXPOSED CEILINGS WITH ATTIC SPACE. * SOUND TRANSMISSION: CLASS RATINGS TO BE A MINIMUM 50 BETWEEN DWELLING UNITS. * VAPOUR BARRIERS SHALL BE INSTALLED TO PROTECT THE ENTIRE SURFACES OF THERMALLY INSULATED WALL, CEILING AND FLOOR ASSEMBLIES. VAPOUR BARRIER PROTECTION SHALL BE INSTALLED ON THE WARM SIDE OF INSULATION. PENETRATIONS OF THE AIR BARRIER PROTECTION, SUCH AS THOSE CREATED BY THE INSTALLATION OF DOORS, WINDOWS, ELECTRICAL WIRING, ELECTRICAL BOXES, PIPING OR DUCTWORK, SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE AIR BARRIER PROTECTION OVER THE ENTIRE SURFACE. PROVIDE AIR BARRIER.

ROOFING: -9.26. O.B.C.

ASPHALT SHINGLES: CSA-0121 (12.25) ON 5/8" (15.9mm) OR 3/4" (19.1mm) PLYWOOD SHEATHING. * USE ACUPS FOR TRUSSES. * FASTEN SHEATHING @ MAXIMUM SPACING OF 150mm ALONG TOPS & INTERMEDIATE SUPPORTS. EAVE PROTECTION SHALL BE PROVIDED FROM THE EDGE OF ROOF A MIN. 2'-11" (500mm) UP THE ROOF SLOPE TO A LINE NOT LESS THAN 12" (300mm) INSIDE THE INNER FACE OF THE EXTERIOR WALL. EAVE PROTECTION SHALL BE Laid BENEATH THE STARTER STRIP AND SHALL CONSIST OF TYPE 14 OR TYPE 19 ROLL ROOFING CONFORMING TO CAN/CSA-A122.2 ASPHALT COATED ROOFING SHEETS (0.62 L 1mm) FLASHING, EXCEPT WHERE THE FLASHING WILL NOT ADVERSELY AFFECT ADJACENT SUPPORTED OR SUPPORTING ELEMENTS, FLASHING SHALL BE INSTALLED AT JUNCTIONS BETWEEN ROOFS AND WALLS THAT RISE ABOVE THE ROOF AND FLASHINGS THAT ARE CONNECTED TO THE ROOF BY OTHER THAN PICKETS OR POSTS. * WHERE SLOPING SURFACES OF SHINGLED ROOFS INTERSECT TO FORM A VALLEY, THE VALLEY SHALL BE FLASHED (SEE 9.26.4.3. O.B.C.). THE INTERSECTION OF SHINGLED ROOFS AND MASONRY WALLS OR CHIMNEYS SHALL BE PROTECTED WITH FLASHING (SEE 9.26.4.4. O.B.C.). * THE INTERSECTION OF SHINGLED ROOFS AND WALLS CLAD WITH OTHER THAN MASONRY SHALL BE PROTECTED WITH FLASHING (SEE 9.26.4.5. O.B.C.). THE INTERSECTION OF BUILT-UP ROOFS AND MASONRY AND WALLS OTHER THAN MASONRY SHALL CONFORM TO SECTIONS 9.26.4.6. & 9.26.4.7. O.B.C. * CHIMNEY SADDLES SHALL CONFORM TO 9.26.4.8. O.B.C. EAVE PROTECTION SHALL BE PROVIDED ON SHINGLE, SHAVE OR TILE ROOFS, EXTENDING FROM THE EDGE OF THE ROOF A MINIMUM OF 300mm (12") UP THE ROOF SLOPE TO A LINE NOT LESS THAN 300mm (12") INSIDE THE INNER FACE OF THE EXTERIOR WALL (0.62 L 1mm).

REQUIRED WATER SUPPLY: -9.31.3.1. O.B.C.

EVERY DWELLING UNIT SHALL BE SUPPLIED WITH A WATER DISTRIBUTION SYSTEM WHERE A DRINKING WATER SYSTEM IS AVAILABLE (SEE 9.31.3.1).

REQUIRED FIXTURES: -9.31.4.1. O.B.C.

A DWELLING UNIT WITH A WATER DISTRIBUTION SYSTEM SHALL CONTAIN A KITCHEN SINK, A LAVATORY, A BATH TUB OR SHOWER STALL AND A WATER CLOSET OR A DRAINLESS COMPOSTING TOILET (SEE 9.31.4.1).

VENTILATION: -9.32. O.B.C.

EVERY DWELLING UNIT THAT IS SUPPLIED WITH ELECTRICAL POWER SHALL BE PROVIDED WITH A MECHANICAL VENTILATION SYSTEM IN ACCORDANCE WITH SUBSECTION 9.32.2. O.B.C. WHERE A ROOM OR SPACE IS NOT PROVIDED WITH NATURAL VENTILATION AS PER 9.32.2.1. O.B.C. MECHANICAL VENTILATION SHALL BE PROVIDED TO EXHAUST INSIDE AIR FROM OR TO INTRODUCE OUTSIDE AIR TO THAT ROOM OR SPACE AT THE RATE OF ONE-HALF AIR CHANGE PER HOUR IF THE ROOM OR SPACE IS MECHANICALLY COOLED IN SUMMER AND ONE AIR CHANGE PER HOUR IF IT IS NOT. * OPENINGS SHALL BE PROTECTED FROM THE WEATHER AND INSECTS AND SCREENING SHALL BE OF RUST PROOF MATERIAL.

ENERGY EFFICIENCY DESIGN: -12.2.1.2. O.B.C.

ENERGY EFFICIENCY AFTER DECEMBER 31ST, 2016

THE ENERGY EFFICIENCY OF A BUILDING OF RESIDENTIAL OCCUPANCY SHALL BE DESIGNED TO EXCEED BY NOT LESS THAN 15% THE ENERGY EFFICIENCY LEVELS SET BY SENTENCE 12.2.1.1. (2) OR CONFORM TO CHAPTERS 1 & 3 OF MASH SUPPLEMENTARY STANDARD SB-12, "ENERGY EFFICIENCY FOR HOUSING"

WINDOWS & SLIDING GLASS DOORS: -12.3.1.2. O.B.C.

THE ENERGY RATING AND THE OVERALL COEFFICIENT OF HEAT TRANSFER REQUIRED FOR WINDOWS AND SLIDING GLASS DOORS SHALL BE DETERMINED IN CONFORMANCE WITH CAN/CSA-A440.2 "FENESTRATION ENERGY PERFORMANCE" OR NFRC 100. * PROCEDURE OF DETERMINING FENESTRATION PRODUCT U-FACTOR AND NFRC 200. * PROCEDURE FOR DETERMINING FENESTRATION PRODUCT SOLAR HEAT GAIN COEFFICIENT AND VISIBLE TRANSMITTANCE AT NORMAL INCIDENCE. (SEE 12.3.1.2. O.B.C.)

TEMPERATURE CONTROL IN DWELLING UNITS: -12.3.1.3. O.B.C.

ROOM TEMPERATURE IN A DWELLING UNIT NOT HEATED BY A SOLID FUEL BURNING APPLIANCE OR GEOTHERMAL SOURCE HEAT PUMP SHALL BE CONTROLLED BY AT LEAST ONE PROGRAMMABLE THERMOSTATIC CONTROL DEVICE (SEE 12.3.1.3)

HOT WATER PIPING INSULATION: -12.3.1.4. O.B.C.

HOT WATER PIPES VERTICALLY CONNECTED TO A HOT WATER STORAGE TANK SERVING A NON-CIRCULATING SYSTEM SHALL HAVE HEAT TRAPS ON BOTH INLET & OUTLET PIPING. PROVIDE MIN RSI 0.66 FOR THE FIRST 2.5m OF HOT WATER OUTLET PIPING & PROVIDE MIN RSI 0.82 THERMAL RESISTANCE FOR INLET PIPING BETWEEN HEAT TRAP AND TANK (SEE 12.3.1.4)

PLUMBING SYSTEMS: -12.4.1.1. O.B.C.

ALL BUILDING SHALL CONFORM TO BE WATER EFFICIENCY REQUIREMENTS OF 7.6 L/DW (SEE 12.4.1.1)

DRAIN WATER HEAT RECOVERY: -12.4.1.1.2. O.B.C.

A DRAIN WATER HEAT RECOVERY UNIT SHALL BE INSTALLED IN EACH DWELLING UNIT TO RECOVER DRAIN WATER FROM ALL SHOWERS OR FROM AT LEAST TWO SHOWERS WHERE THERE ARE TWO OR MORE SHOWERS IN THE DWELLING UNIT.

GENERAL NOTES:

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE, O. REG. 332/02. GAS PROOFING OF GARAGES: CONSTRUCTION BETWEEN ATTACHED OR BUILT IN GARAGES AND DWELLING UNITS SHALL PROVIDE AN EFFECTIVE BARRIER TO GAS AND EXHAUST FLAMES. CEILINGS AND STUD PARTITIONS SHALL HAVE ONE LAYER 1/2" DRYWALL FILLED AND TAPED. FINISHED FLOORING IN BATHROOMS, KITCHENS, PUBLIC ENTRANCE HALLS, LAUNDRY & GENERAL STORAGE AREAS SHALL CONSIST OF RESILIENT FLOORING, FELT-SYNTHETIC-FIBER FLOOR COVERINGS, CONCRETE, TERRAZZO, CERAMIC TILE, MASTIC OR OTHER TYPES OF FLOORING PROVIDING SIMILAR DEGREES OF WATER RESISTANCE.

FOR REQUIREMENTS INVOLVING THE INSTALLATION OF BACKFLOW VALVES SEE 7.4.6.4 "PROTECTION FROM BACKFLOW"

FOR INSULATION OF FOUNDATION WALLS AND SLABS WITHIN 800mm OF ADJACENT GROUND LEVEL REFER TO SP-12.2.3.5.5

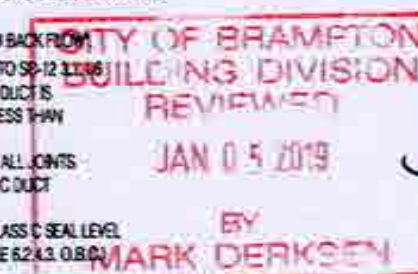
WHERE A SUPPLY DUCT OR RETURN IS NOT PROTECTED BY AN INSULATED EXTERIOR WALL OR WHERE THE DUCT IS EXPOSED TO AN UNHEATED SPACE IT SHALL BE INSULATED TO PROVIDE A THERMAL RESISTANCE OF NOT LESS THAN RSI 2.1. (SEE 6.2.4.3. O.B.C.)

WHERE A SUPPLY DUCT OR RETURN DUCT IS LOCATED IN AN UNCONDITIONED SPACE OR OUTDOORS, AND ALL JOINTS OF THE DUCTWORK SHALL BE SEALED TO A CLASS A SEAL LEVEL IN ACCORDANCE WITH THE SMACNA "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE". (SEE 6.2.4.1. O.B.C.)

WHERE A SUPPLY DUCT IS LOCATED IN A CONDITIONED SPACE, THE DUCTWORK SHALL BE SEALED TO A CLASS C SEAL LEVEL IN ACCORDANCE WITH THE SMACNA "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE". (SEE 6.2.4.3. O.B.C.)

BUILDER TO PROVIDE ELECTRIC VEHICLE CHARGING SYSTEM IN GARAGE AS PER 9.34.4. (2)(4) & (5)

AUG 2, 2018



FOR STRUCTURE ONLY

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1	AUG. 17, 2018	PREPARED TO PACKAGE 'A1' ISSUED TO CLIENT
No.	DATE	WORK DESCRIPTION

DRAWN BY: [] DRAWING NAME: GENERAL NOTES

The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.	
QUALIFICATION INFORMATION	Required unless design is exempt under Division C, Subsection 1.2.4 of the Building Code.
Waiter Botter	21031
NAME	SIGNATURE
Required unless design is exempt under Division C, Subsection 1.2.4 of the Building Code.	
jardin design group inc.	27763
FIRM NAME	BCIN

jardin
DESIGN GROUP INC
64 JARDIN CIL SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

GENERAL NOTES

MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME	T
SCALE	N.T.S.
PROJ. No.	18-24
DWG. No.	1

EAVE PROTECTION SHALL BE PROVIDED FROM THE EDGE OF ROOF A MIN. 3'-0" (900mm) UP FROM THE ROOF SLOPE TO A LINE NOT LESS THAN 1'-0" (300mm) INSIDE THE INNER FACE OF THE EXTERIOR WALL. EAVE PROTECTION SHALL BE LAID BENEATH THE STARTER STRIP AND SHALL CONSIST OF TYPE 'M' OR TYPE 'S' ASPHALT COATED ROOFING SHEETS.

210 ASPHALT SHINGLES ON 5/8" PLYWOOD SHEATHING USE 'M' CLIPS FOR TRUSSES

STARTER STRIP OF ROOF SHINGLES REQUIRED

SEE PLAN FOR ROOF SLOPE

BAFFLES AS REQUIRED FOR ROOF VENTILATION

PROVIDE ROOF VENTILATION @ A RATE OF 1:300 OF INSULATED CEILING AREA UNIFORMLY DISTRIBUTED

ROOF TRUSSES @ 24" o.c. MAX. RAISED HEEL TO MATCH PLATE

TOP OF WOOD PLATE

2"x6" FASCIA BOARD PREFINISHED METAL GUTTER, FASCIA AND VENTED SOFFIT

1/2" (13mm) DRYWALL FINISH OVER CONT. 6 MIL. POLY VAPOUR/AIR BARRIER & MIN. R-60 INSULATION

MIN. R22 INSULATION (5") ABOVE INNER FACE OF EXTERIOR WALL

DOUBLE TOP PLATE

1/2" GYPSUM BOARD

2"x6" BOTTOM PLATE

LAP VAPOUR AND AIR BARRIER 4" AND SECURE TO PLATE

FIN. FLOORING ON 5/8" T&G PLYWOOD

4" FACE BRICK TIED TO STRUDS WITH GALVANIZED 7/8" WIDE METAL TIES @ 16" o.c. HORIZONTAL AND 24" o.c. VERTICAL

1" AIR SPACE

#15 BUILDING PAPER OVER 7/16" O.S.B. EXTERIOR SHEATHING. 2"x6" SPR. STUDS @ 16" o.c. FILLED WITH R-22 INSULATION AND 6 MIL. POLY VAPOUR BARRIER

1/2" GYPSUM BOARD CEILING FINISH

CONTINUOUS TIMBERSTRAND AIR BARRIER RUN BETWEEN DOUBLE TOP PLATE AND UP UNDER FLOOR PLATE

DOUBLE TOP PLATE

1/2" GYPSUM BOARD

SINGLE CONTIN. TIMBERSTRAND

CONTINUOUS HEADER JOIST W/ R-22 INSULATION W/ 6 MIL. VAPOUR BARRIER AND SEAL TO JOIST AND SUBFLOOR

FIN. FLOORING ON 3/4" T&G PLYWOOD

SOREDIED WEEDING HOLES 3/8" DIA. AT 24" o.c. AT BOTTOM OF CAVITY 5 MIL. POLYETHYLENE BASE FLASHING BENEATH WEEDING AND 6" UP BEHIND BUILDING PAPER

FIN. GRADE SLOPE 6" MIN.

HEAVY COAT OF BITUMEN OVER CONC. WALL

FOUNDATION WALLS TO BE WATER PROOFED OR PROVIDE A DRAINAGE LAYER ADJACENT TO EXT. SURFACE OF FOUNDATION WALL AND EXTEND TO FOOTING LAYER OR PROVIDE "SYSTEM PLANTON AIR GAP MEMBRANE"

CEMENT COVE

4" DIA. WEEDING TILES 1/8" CRUSHED STONE COVER

FIN. SLAB

CONC. FOOTING C/W FORMED KEYWAY ON NATURAL UNDISTURBED SOIL. FOR FOOTING SIZES SEE ARCHITECTURAL DRAWINGS.

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

2 STOREY WALL SECTION

1/2" (13mm) DRYWALL FINISH OVER CONT. 6 MIL. POLY VAPOUR/AIR BARRIER & MIN. R-31 INSULATION (DRYWALL ON THE CEILING ONLY WHEN THERE IS NO SECOND FLOOR ABOVE GARAGE)

FIN. FLOORING ON 5/8" T&G PLYWOOD

FINISHED SECOND FLOOR

PARALLEL JOISTS: 1" WOOD BLOCKING @ 36" o.c.

FLOOR JOISTS SEE PLAN

FINISHED SECOND FLOOR

1/2" GYPSUM BOARD CEILING FINISH

AIR BARRIER RUN BETWEEN DOUBLE TOP PLATE AND UP UNDER FLOOR PLATE

DOUBLE TOP PLATE

1/2" GYPSUM BOARD

SINGLE CONTIN. TIMBERSTRAND

FIN. FLOORING ON 3/4" T&G PLYWOOD

FINISHED FIRST FLOOR

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS.

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

3" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x6

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EAVE PROTECTION SHALL BE PROVIDED FROM THE EDGE OF ROOF A MIN. 3'-0" (900mm) UP FROM THE ROOF SLOPE TO A LINE NOT LESS THAN 1'-0" (300mm) INSIDE THE INNER FACE OF THE EXTERIOR WALL. EAVE PROTECTION SHALL BE LAID BENEATH THE STARTER STRIP AND SHALL CONSIST OF TYPE 'M' OR TYPE 'S' ASPHALT COATED ROOFING SHEETS.

210 ASPHALT SHINGLES ON 3/8" PLYWOOD SHEATHING USE 'M' CLIPS FOR TRUSSES

STARTER STRIP OF ROOF SHINGLES REQUIRED

2"x5" FASCIA BOARD PREFINISHED METAL GUTTER, FASCIA AND VENTED SOFFIT

1 1/2"x6" RAISED STUCCO FRIEZE BOARD (TYP.)

MESH BACKWRAPPED

- FIN. COAT OF EXTERIOR ACRYLIC STUCCO
- FIBER MESH EMBEDDED IN PREP COAT
- INSULATION BOARD (MIN. R5) W/ GEOMETRICALLY DEFINED DRAINAGE CAVITY HAVING A MIN. CAVITY DEPTH OF 1/4"
- AIR/MOISTURE BARRIER
- 7/16" EXTERIOR GRADE OSB SHEATHING
- 2" x 6" STUDS
- MIN. R-22 BATT INSULATION
- CONT. VAPOUR / AIR BARRIER
- 1/2" DRYWALL

(EIFS APPROVED SYSTEM, ALL MATERIALS AND SYSTEMS SHALL CONFORM TO CAN/ULC-S716.1)

CONCRETE SILL

CONTINUOUS HEADER JOIST W/ R-22 INSULATION W/ 5 MIL VAPOUR BARRIER AND SEAL TO JOIST AND SUBFLOOR

4" FACE BRICK TIED TO STUDS WITH GALVANIZED 7/8" WIDE METAL TIES @ 16" o.c. HORIZONTAL AND 24" o.c. VERTICAL

SCREENED WEEPING HOLES 3/8" DIA. AT 24" o.c. AT BOTTOM OF CAVITY 5 MIL POLYETHYLENE BASE FLASHING BENEATH WEEPING AND 6" UP BEHIND BUILDING PAPER

HEAVY COAT OF BITUMEN OVER CONC. WALL

FOUNDATION WALLS TO BE WATER PROOFED OR PROVIDE A DRAINAGE LAYER ADJACENT TO EXT. SURFACE OF FOUNDATION WALL AND EXTEND TO FOOTING LAYER OR PROVIDE "SYSTEM PLANTON AIR GAP MEMBRANE"

CEMENT CONE

4" DIA. WEEPING TILES W/ 6" CRUSHED STONE COVER

FIN. SLAB

BAFFLES AS REQUIRED FOR ROOF VENTILATION

PROVIDE ROOF VENTILATION @ A RATE OF 1:300 OF INSULATED CEILING AREA UNIFORMLY DISTRIBUTED

ROOF TRUSSES @ 24" o.c. MAX. RAISED HEEL TO MATCH PLATE

TOP OF WOOD PLATE

1/2" (12mm) DRYWALL FINISH OVER CONT. 5 MIL. POLY VAPOUR/AIR BARRIER & MIN. R-50 INSULATION

MIN. R22 INSULATION ABOVE INNER FACE OF EXTERIOR WALL

DOUBLE TOP PLATE

1/2" GYPSUM BOARD

2"x6" BOTTOM PLATE

LAP VAPOUR AND AIR BARRIER 4" AND SECURE TO PLATE

FIN. FLOORING ON 5/8" T&G PLYWOOD

FINISHED SECOND FLOOR

PARALLEL JOISTS: T&G WOOD BLOCKING @ 36" o.c.

FLOOR JOISTS SEE PLAN

1/2" GYPSUM BOARD

Ceiling Finish

SINGLE CONT. TIMBERSTRAND

AIR BARRIER RUN BETWEEN DOUBLE TOP PLATE AND UP UNDER FLOOR PLATE

DOUBLE TOP PLATE

1/2" GYPSUM BOARD

SINGLE CONTIN. TIMBERSTRAND

FIN. FLOORING ON 3/4" T&G PLYWOOD

FINISHED FIRST FLOOR

CAULK OR SEAL WITH GASKET

AIR BARRIER SECURED TO PLATE

2"x4" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 7'-10" o.c. MIN. 4" INTO FOUNDATION WALL

R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

POURED CONC. FDN. WALL FOR WALL THICKNESS SEE ARCHITECTURAL DRAWINGS

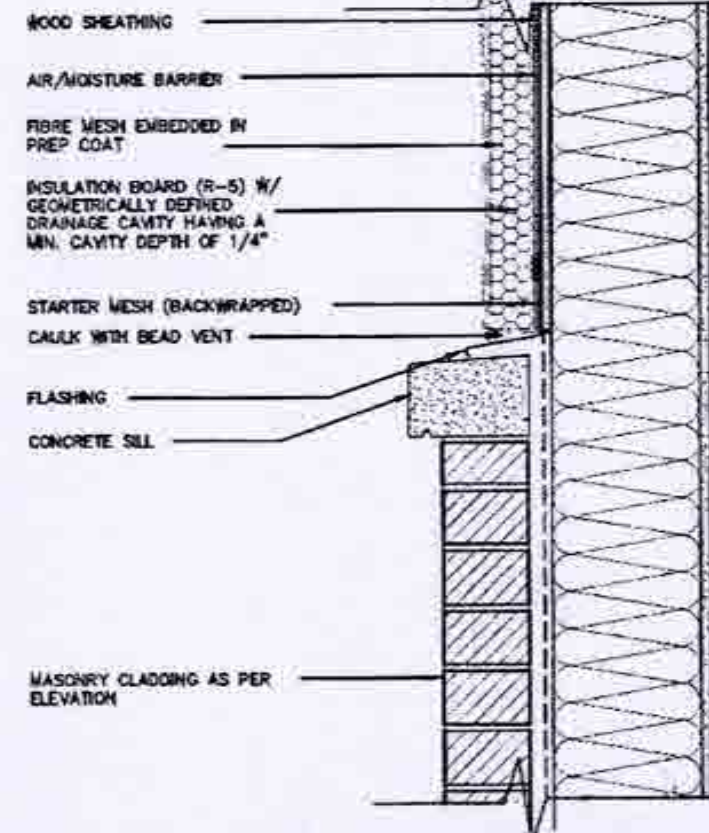
CONTINUOUS WATERSTOP (BITUMEN CAULKING)

5" CONCRETE SLAB 25 MPa ON 4" MIN. COMPACT GRAVEL

FINISHED SLAB

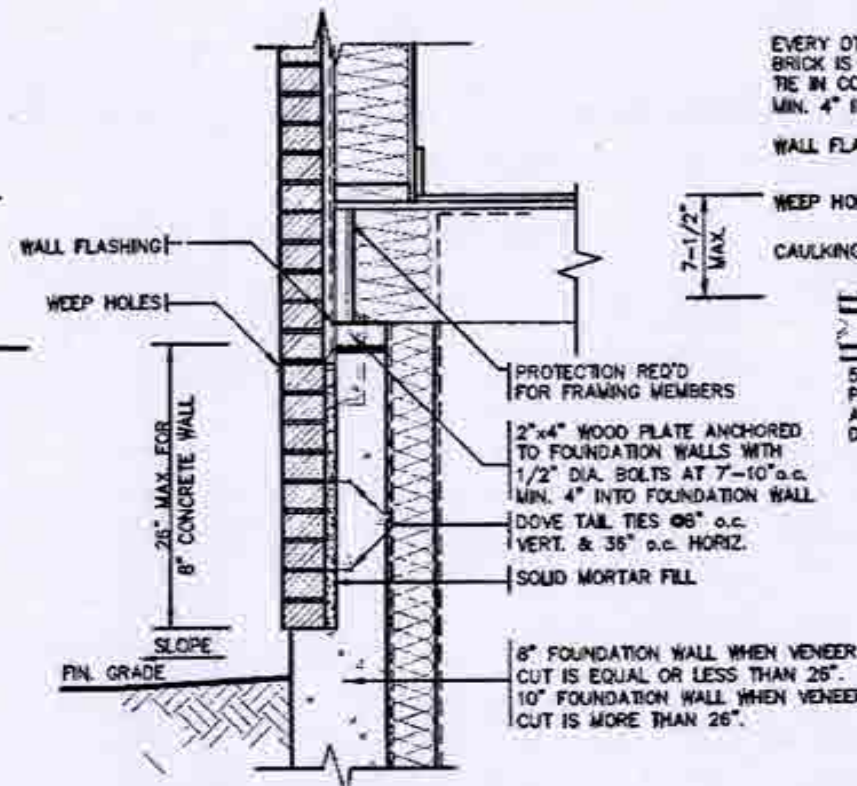
2 STOREY WALL SECTION

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
NOV 28 2018
H V A C
BY
JOAN LIN

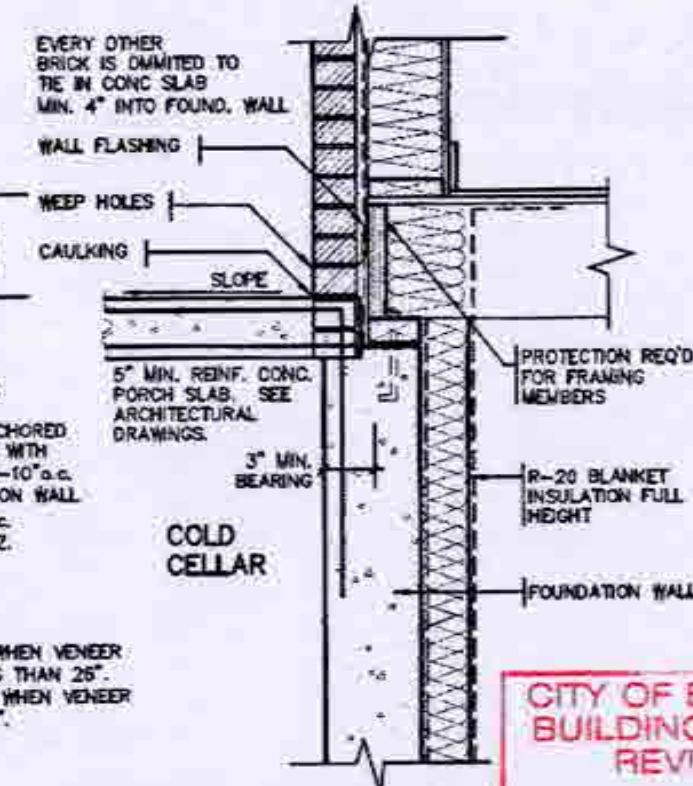


A. TERMINATION AT MASONRY CLADDING WITH SEALANT

1 1/2" = 1'0"



DETAIL FOR CONCRETE VENEER DROPPED GRADE



DETAIL FOR COLD CELLAR PORCH



FOR STRUCTURE ONLY

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
AUG 5 2018
BY
MARK DERKSEN

AUG 22 2018

2012 CODE

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO JARDIN DESIGN GROUP INC. PRIOR TO COMMENCEMENT OF WORK.

JARDIN DESIGN GROUP INC. IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY SURVEY, STRUCTURAL OR ENGINEERING INFORMATION SHOWN ON THESE DRAWINGS OR FOR CONSTRUCTION DEFECTS PRIOR TO THE COMMENCEMENT OF A BUILDING PROJECT. IN THE EVENT OF A BUILDING PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AUTHORITIES PRIOR TO COMMENCEMENT OF WORK.

NO CONSTRUCTION SHALL BE UNDERTAKEN PRIOR TO OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AUTHORITIES PRIOR TO COMMENCEMENT OF WORK.

JARDIN DESIGN GROUP INC. HAS NOT BEEN RETAINED TO CARRY OUT GENERAL REVIEW OF THE WORK AND ASSUMES NO RESPONSIBILITY FOR THE FAILURE OF THE CONSTRUCTION OR FOR CONSTRUCTION DEFECTS PRIOR TO THE COMMENCEMENT OF A BUILDING PROJECT. IN THE EVENT OF A BUILDING PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AUTHORITIES PRIOR TO COMMENCEMENT OF WORK.

THIS DRAWING IS AN INSTRUMENT OF SERVICE. IT IS PROVIDED BY JARDIN DESIGN GROUP INC. TO THE CLIENT AND IS NOT TO BE REPRODUCED OR USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF JARDIN DESIGN GROUP INC.

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1	AUG 17 2018	PREPARED TO PACKAGE 'A1' ISSUED TO CLIENT
No.	DATE	WORK DESCRIPTION

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QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.5 of the Building Code

Walter Botter 21037
NAME SIGNATURE BCIN

REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the Building Code

Jardin design group inc. 27763
FIRM NAME BCIN

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

2 STOREY WALL SECTION
2"x6" STUCCO WALL
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
T
SCALE AS NOTED
PROJ. No. 18-24
DWG. No. 3

DRAWN BY: [] DRAWING NAME: GENERAL NOTES

TIGHTLY SEAL ANY GAPS WITH MINERAL WOOL OR NON-COMBUSTIBLE MATERIAL AS PER O.B.C. 9.10.11.2(3)

PROVIDE BEARING FOR GIRDER TRUSSES AS PER TRUSS DRAWING SPECIFICATION

PRE-ENGINEERED ROOF TRUSSES AS PER TRUSS MANUFACTURERS DRAWINGS

TOP OF PLATE

2 LAYERS OF 1/2" GYPSUM WALL BOARD FOR FIRE-STOPPING CONTINUOUS

3 ROWS (TOP, MIDDLE AND BOTTOM) OF 1"x4" STRAPPING TO RESTRAIN INSULATION FROM FALLING OUT.

5/8" TYPE 'X' GYPSUM WALL BOARD

FIN. SECOND FLOOR

ABSORPTIVE MATERIAL

2 LAYERS OF 1/2" GYPSUM WALL BOARD FOR FIRE-STOPPING CONTINUOUS

3 ROWS (TOP, MIDDLE AND BOTTOM) OF 1"x4" STRAPPING TO RESTRAIN INSULATION FROM FALLING OUT.

5/8" TYPE 'X' GYPSUM WALL BOARD

FIN. FIRST FLOOR

JOISTS FRAMING INTO PARTY WALL

SOLID BLOCKING BETWEEN JOISTS CONTINUOUS RM BOARD

1/2" DIA. ANCHOR BOLTS EMBEDDED IN POURED CONC. WALL

8" POURED CONC. WALL

CONTINUOUS BOND BREAKING MATERIAL

3" CONC. SLAB ON 5" COMPACTED GRAVEL

FIN. BASEMENT SLAB

CONC. FTG. C/W 2"x4" KEYWAY ON NATURAL UNDISTURBED SOIL FOR SIZES SEE ARCHITECTURAL DRAWINGS

38x89 (2"x4") STUDS @ 400 O.C. WITH 15.9mm (5/8") TYPE 'X' GYPSUM BOARD ONE LAYER ON EACH SIDE. SUPPLEMENTARY STANDARDS SB3, TABLE 1, W/d WALL ASSEMBLY.

SOUND ABSORPTIVE MATERIAL REQUIREMENTS
SOUND ABSORPTIVE MATERIAL INCLUDES FIBRE PROCESSED FROM ROCK, SLAG, GLASS OR CELLULOSE FIBRE. IT MUST FILL AT LEAST 90% OF THE CAVITY THICKNESS FOR THE WALL TO PROVIDE THE LISTED STC VALUE.

SOUND TRANSMISSION RATING MINIMUM REQUIRED S.T.C. RATING OF 50 (O.B.C. DIV. B 9.11.2.1(1))

WALL TYPE
SEE SUPPLEMENTARY STANDARDS SB3 TABLE 1, W/3A BEARING WALL WITH 2 ROWS OF 2"x4" SPR. @ 16" O.C. ON SEPARATE 2"x4" PLATES SET 1" APART WITH 4" ABSORPTIVE MATERIAL AND 1 LAYER 5/8" TYPE 'X' GYPSUM WALL BOARD ON EACH SIDE (SEE NOTES 5 TO TABLE 1)

FIRE RESISTANCE RATING
FIRE RESISTANCE RATING REQUIRED IS 1 HR. MIN. (AS PER SENTENCE DIV. B 9.10.11.2.1) O.B.C.)

2 LAYERS OF 1/2" GYPSUM WALL BOARD FOR FIRE-STOPPING CONTINUOUS

1" AIR SPACE

3/4" SUBFLOOR

FIN. FIRST FLOOR

ENGINEERED FLOOR JOISTS W/HEADER

2 LAYERS OF 1/2" GYPSUM WALL BOARD FOR FIRE-STOPPING CONTINUOUS

2"x4" SILL PLATE (MAX. 2 725 P/F)

8" POURED CONC. FOUNDATION WALL

FIN. SLAB

ALL GYPSUM BOARD TO BE TIGHT FIR AGAINST ROOF SHEATHING AND ROOF TRUSSES. MIDDLE GYPSUM BOARD BETWEEN TWO TRUSSES TO BE TIGHTLY SCREWED TO BOTH TRUSSES.

PER-ENGINEERED ROOF TRUSSES BY TRUSS MFG. @ 24" O.C.

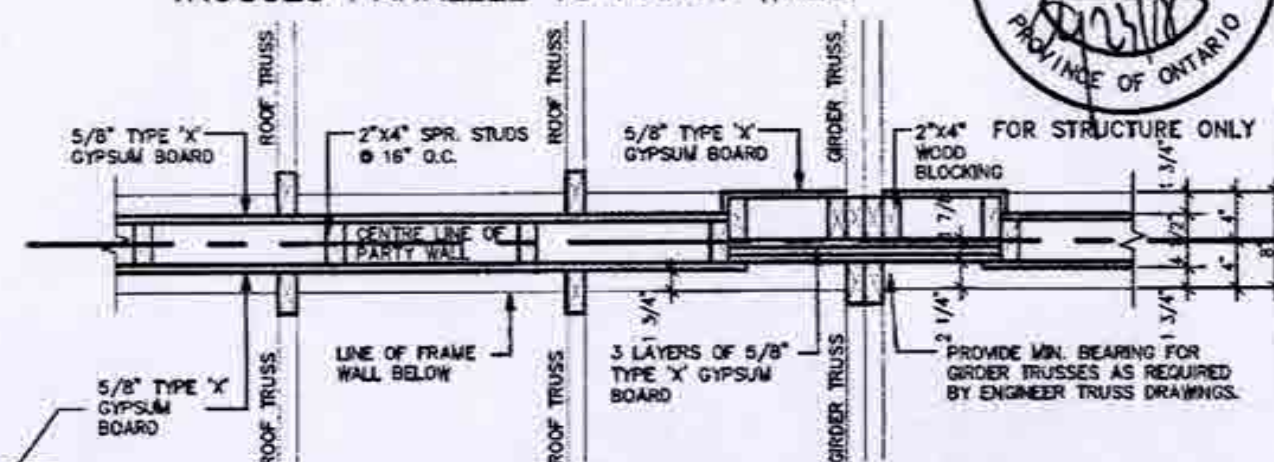
5/8" TYPE 'X' GYPSUM WALL BOARD

TOP OF PLATE

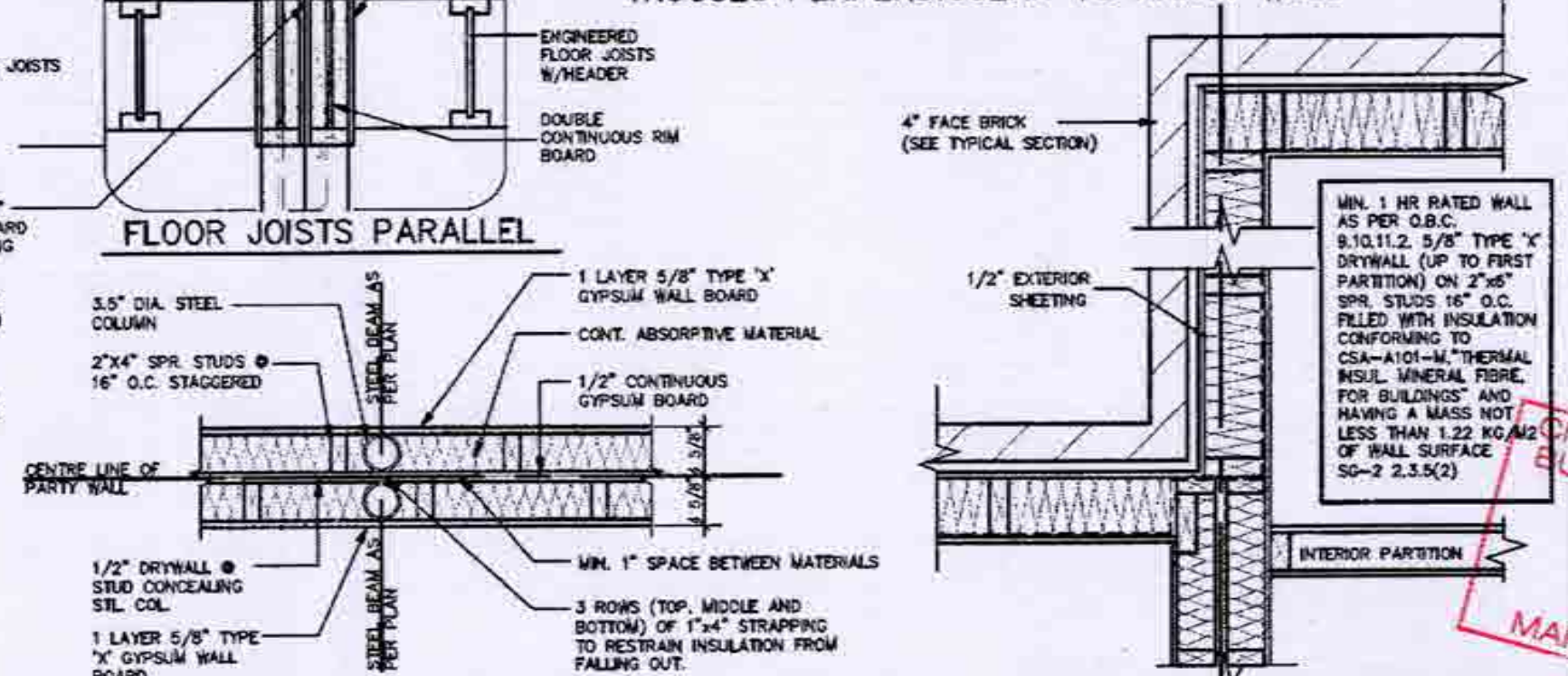
2 LAYERS OF 1/2" GYPSUM WALL BOARD FOR FIRE-STOPPING CONTINUOUS

3 ROWS (TOP, MIDDLE AND BOTTOM) OF 1"x4" STRAPPING TO RESTRAIN INSULATION FROM FALLING OUT.

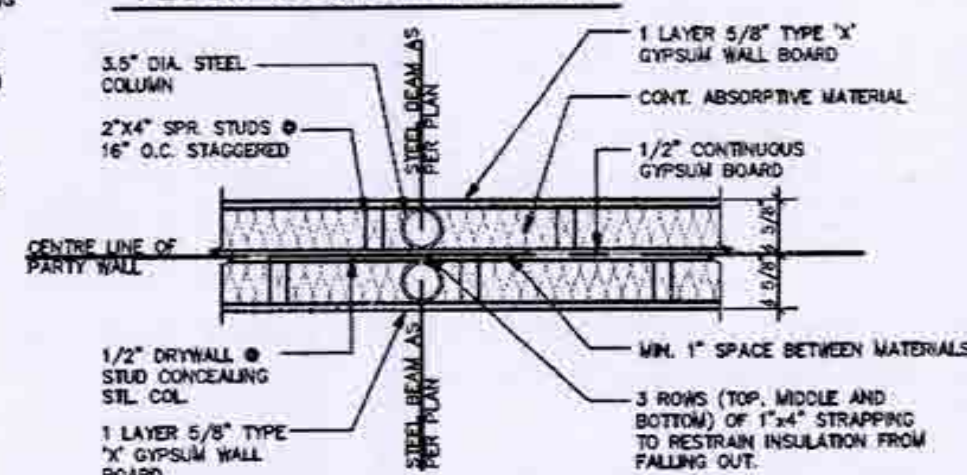
SECTION @ FIRE SEPARATION IN ROOF SPACE TRUSSES PARALLEL TO PARTY WALL



PLAN OF FIRE SEPARATION IN ROOF SPACE TRUSSES PERPENDICULAR TO PARTY WALL



FLOOR JOISTS PARALLEL



PLAN OF PARTY WALL IN GARAGE

AUG 22 2018

PARTY WALL PLAN SECTION

2012 CODE

WOOD FRAME PARTY WALL

TRUSSES PERPENDICULAR TO PARTY WALL

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO JARDIN DESIGN GROUP INC. PRIOR TO COMMENCEMENT OF WORK.

JARDIN DESIGN GROUP INC. IS NOT RESPONSIBLE FOR THE ACCURACY OF SURVEY, STRUCTURAL OR MECHANICAL INFORMATION OR FOR THE CONSTRUCTION OF THE BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE BUILDING.

JARDIN DESIGN GROUP INC. HAS NOT BEEN RETAINED TO CARRY OUT GENERAL REVIEW OF THE WORK AND ASSUMES NO RESPONSIBILITY FOR THE FAILURE OF THE CONSTRUCTION OR SUBSEQUENT TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

THIS DRAWING IS THE PROPERTY OF JARDIN DESIGN GROUP INC. THIS DRAWING IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF JARDIN DESIGN GROUP INC.

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1	AUG 17, 2018	PREPARED TO PACKAGE 'A' ISSUED TO CLIENT
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QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.3 of the Building Code.

Walter Botter 21037
NAME SIGNATURE BCIN

REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the Building Code.

Jardin design group inc. 27763
FIRM NAME BCIN

jardin
DESIGN GROUP INC
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TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

WOOD PARTY WALL

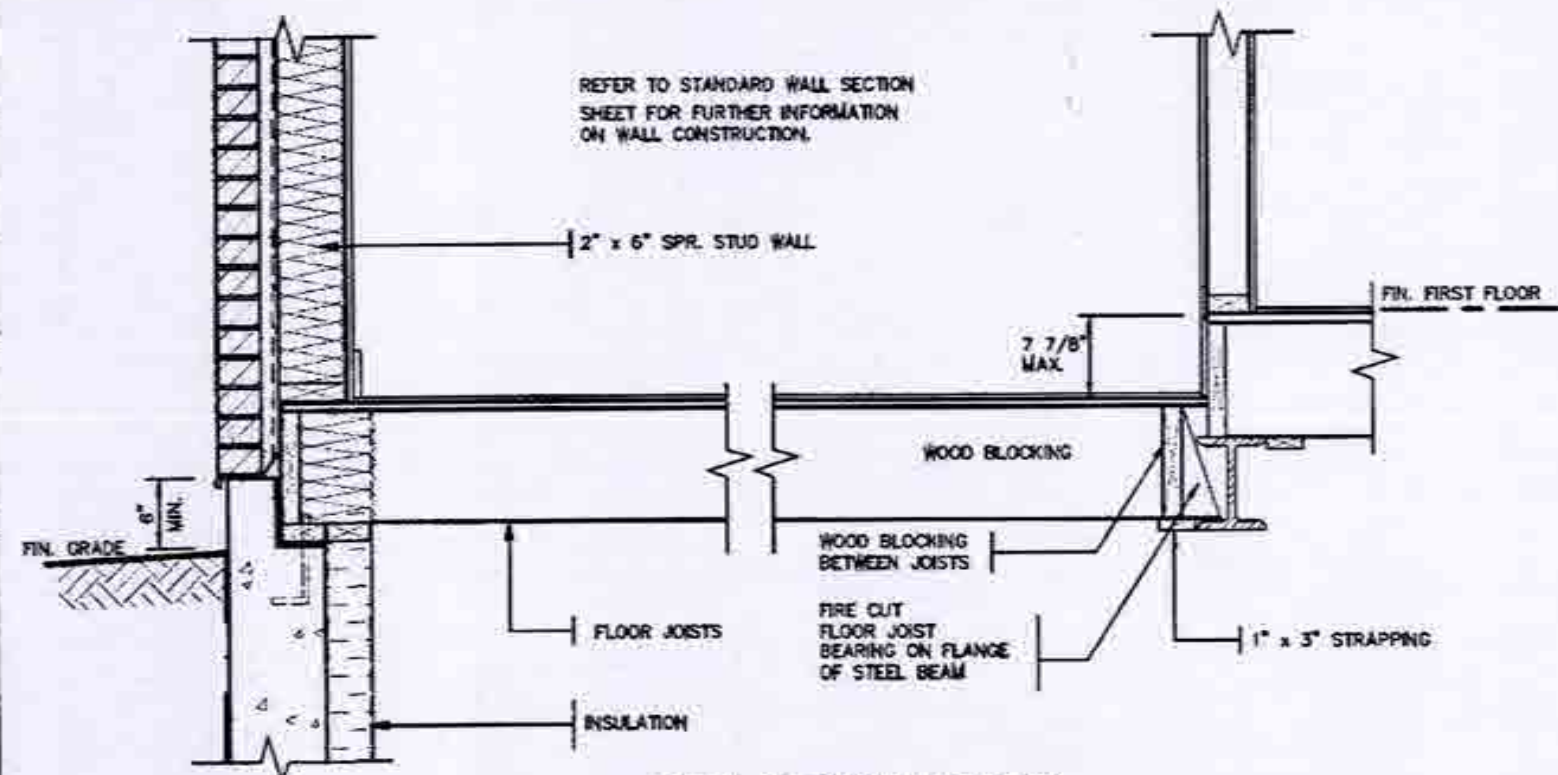
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME	T
SCALE	3/4" = 1'-0"
PROJ. No.	18-24
DWG. No.	4

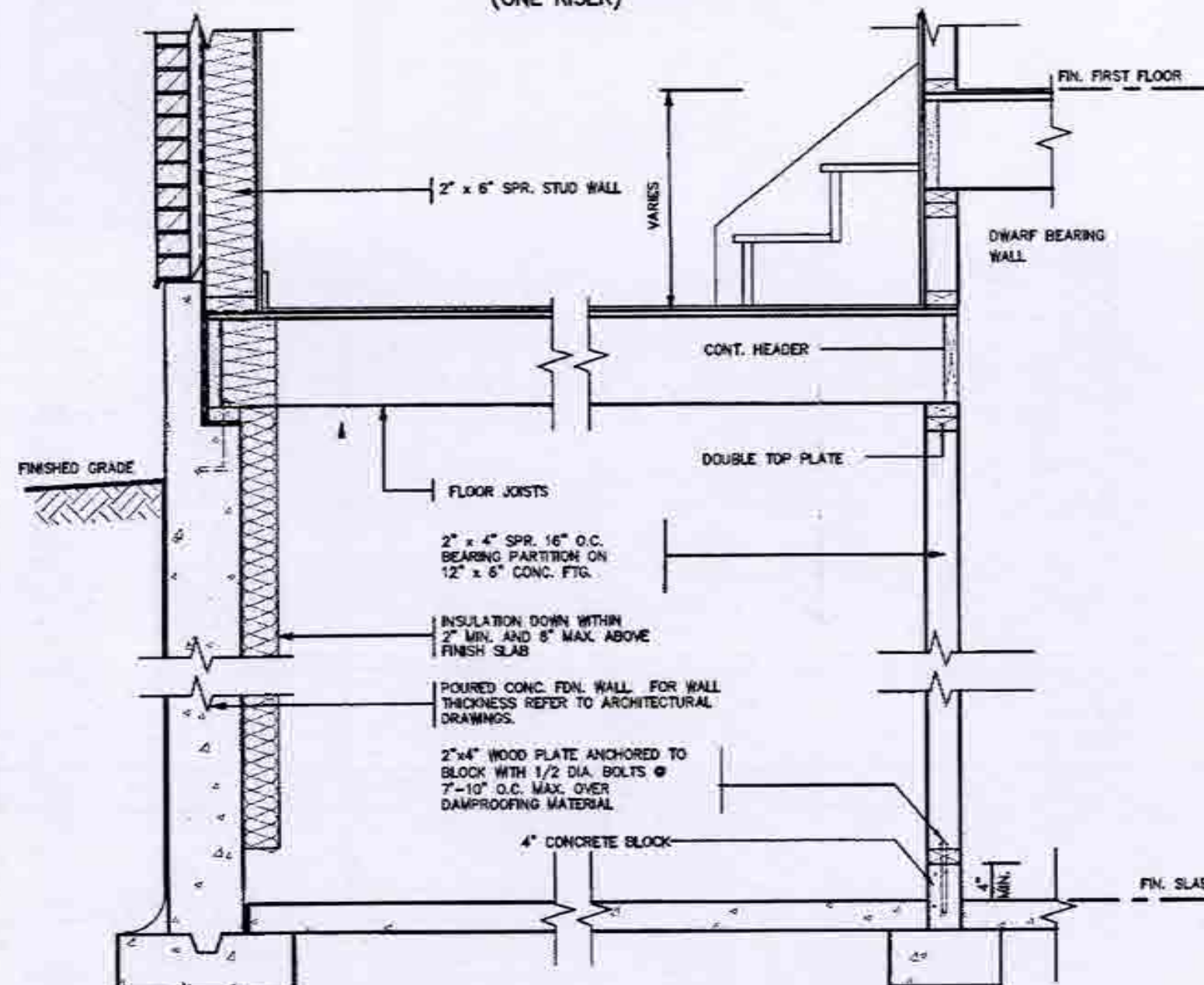


CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 05 2019
BY
MARK DERKSEN

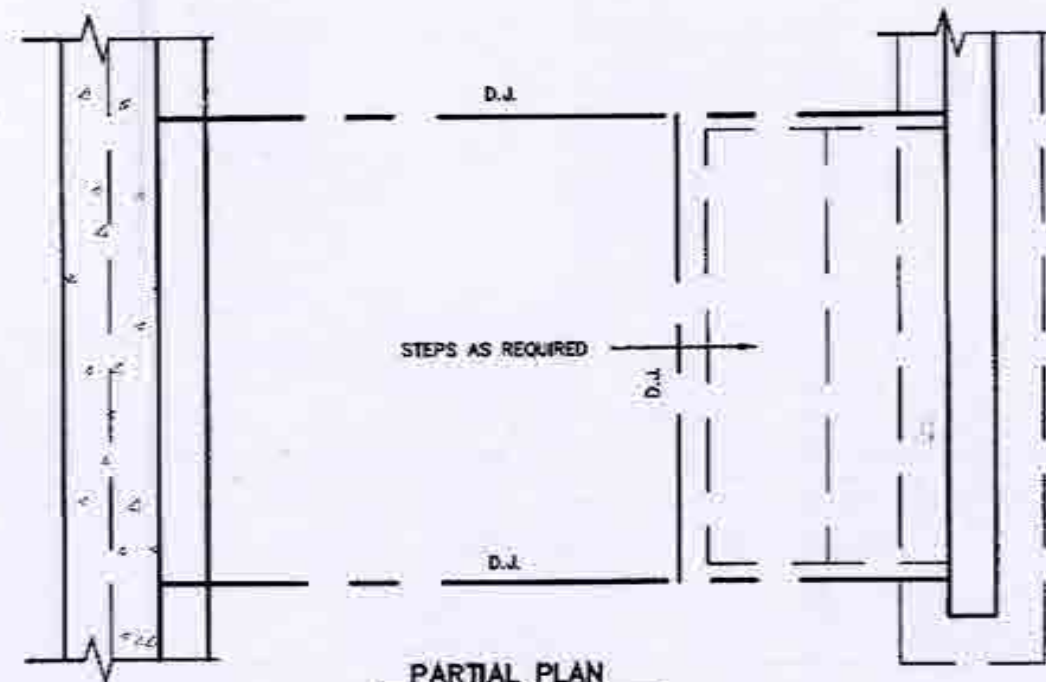
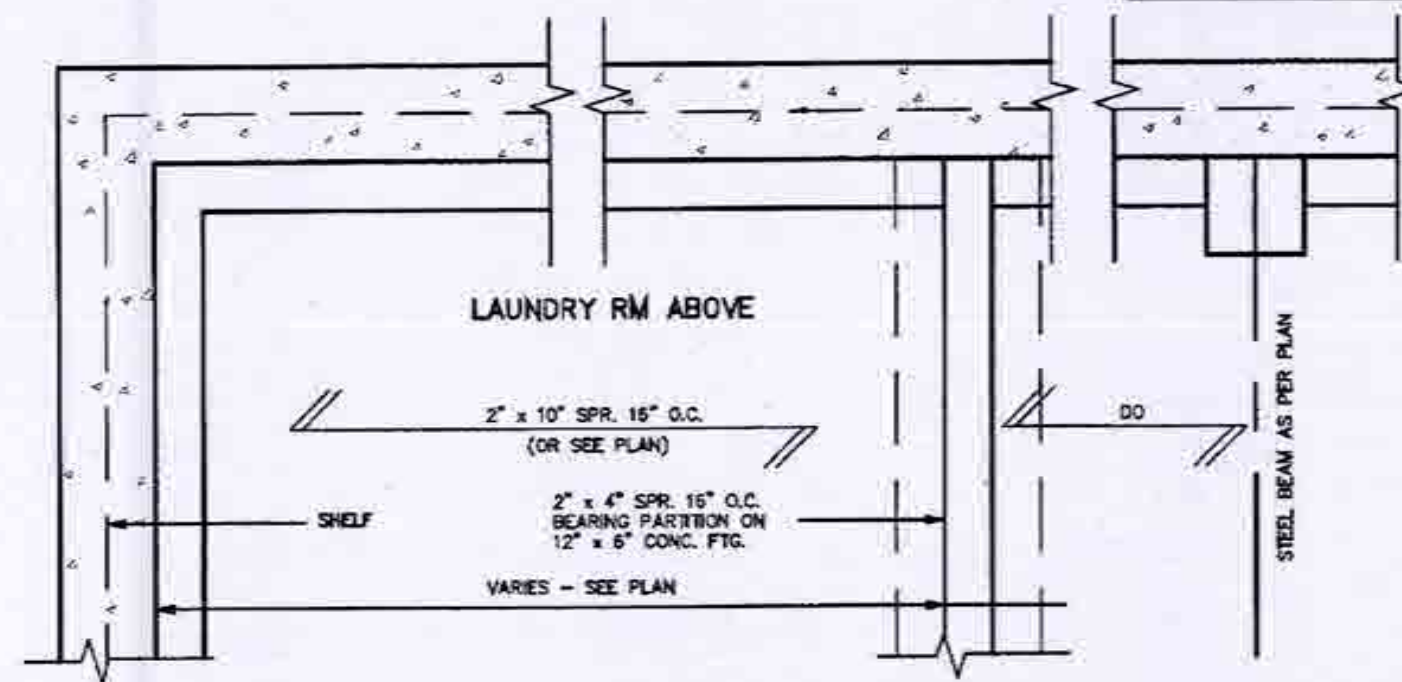
2012
PACKAGE 'A1'



DETAIL OF SUNKEN LAUNDRY
(ONE RISER)



DETAIL OF SUNKEN LAUNDRY
(MORE THAN ONE RISER)



CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 05 2019
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FOR STRUCTURE ONLY

AUG 22 2018

2012 CODE

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1	AUG. 17, 2018	PREPARED TO PACKAGE 'A1' ISSUED TO CLIENT
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DESIGN BY: [Signature] DRAWING NAME: GENERAL NOTES

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Walter Botter [Signature] 21031
NAME SIGNATURE BCN

REGISTRATION INFORMATION
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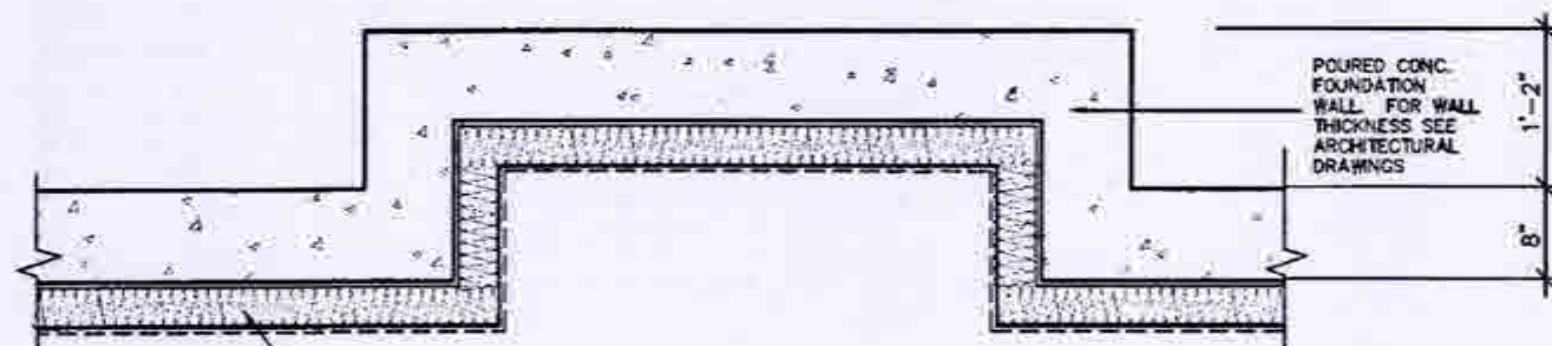
jardin design group inc. 27763
FIRM NAME BCN

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
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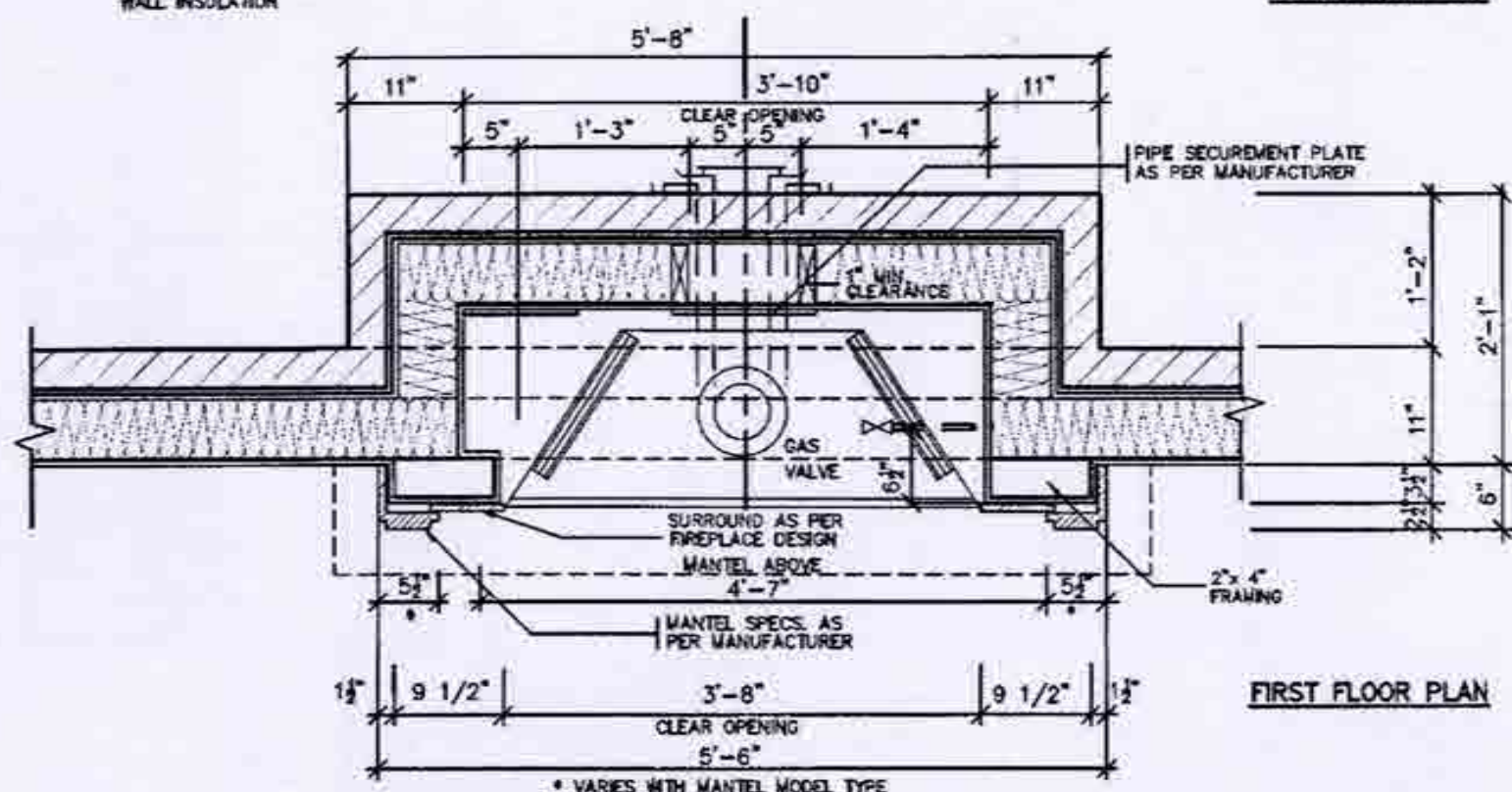
SUNKEN LAUNDRY
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
T
SCALE
3/4" = 1'-0"
PROJ. No.
18-24
DWG. No.
5

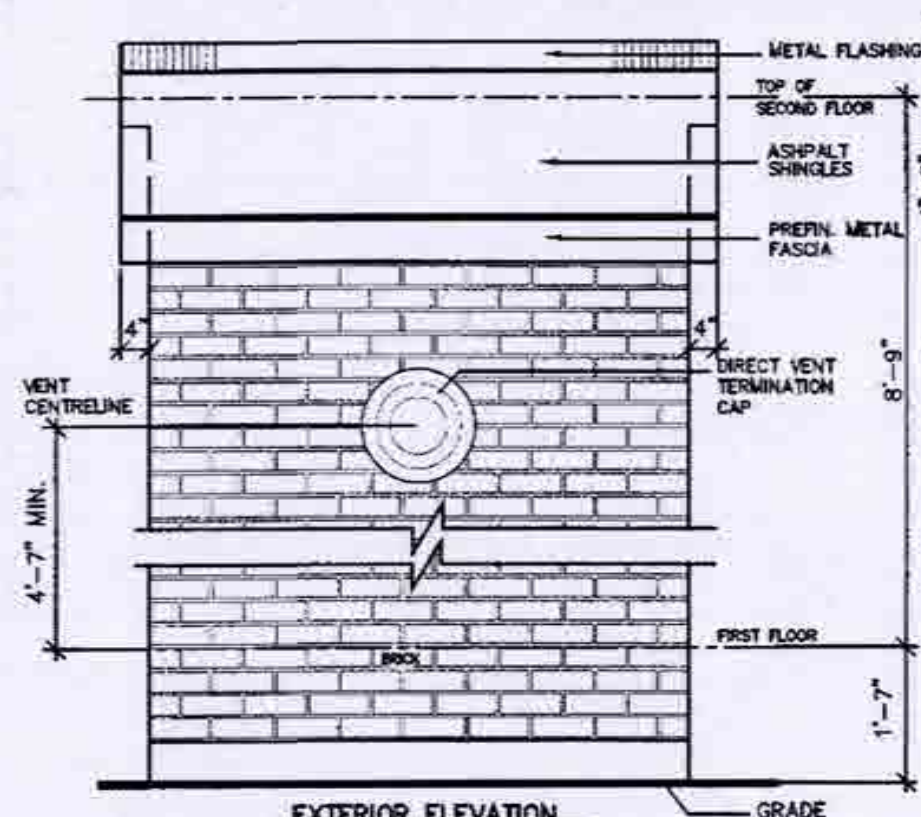
2012
PACKAGE 'A1'



BASEMENT PLAN



FIRST FLOOR PLAN



EXTERIOR ELEVATION
NOT TO SCALE

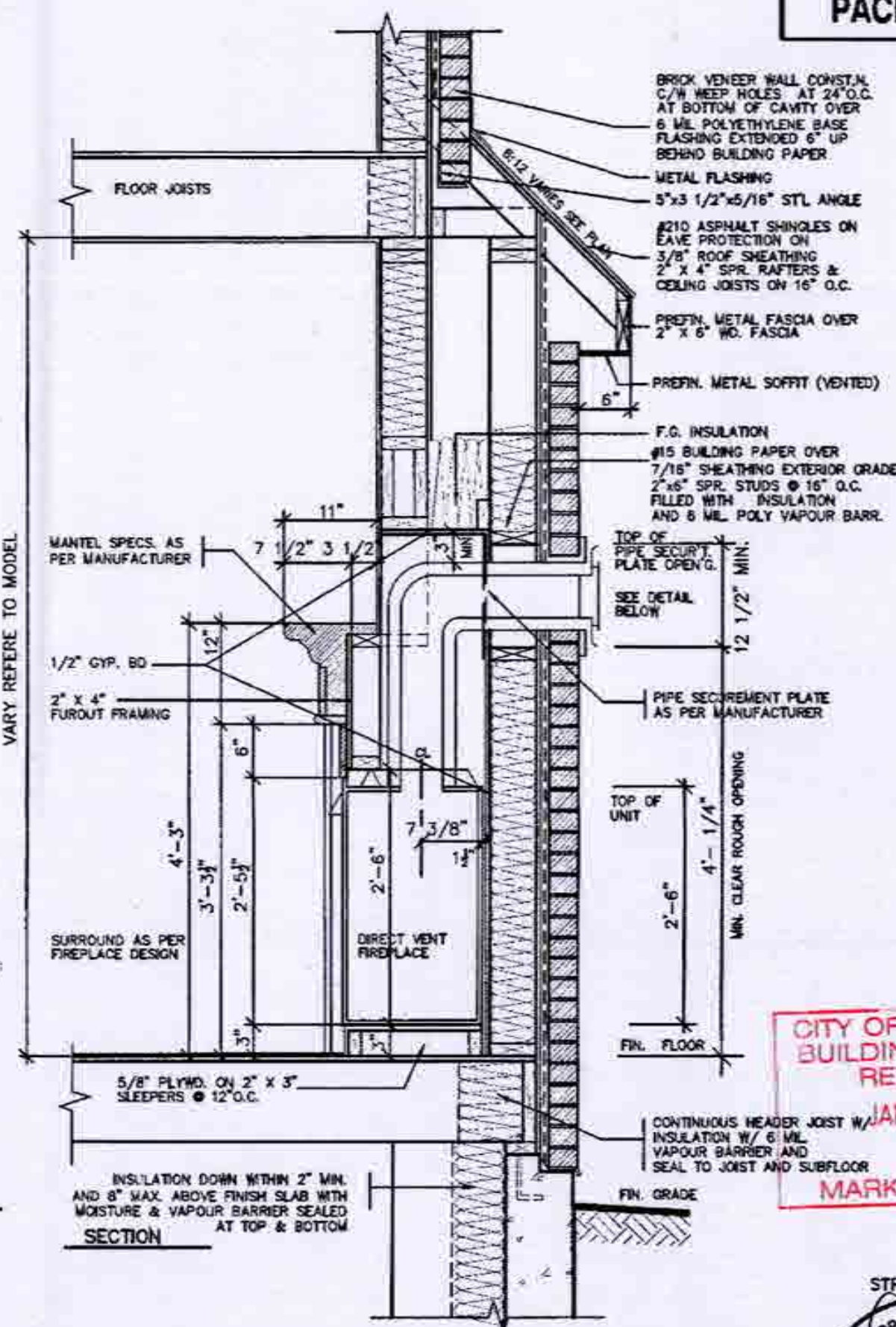


FRONT/SIDE ELEVATION
NOT TO SCALE

GENERAL INSTALLATION NOTES

- 1.0 UNIT INSTALLATION TO STRICTLY CONFORM TO MANUFACTURERS INSTALLATION MANUAL AND ALL APPLICABLE CODES OF LOCAL AUTHORITIES HAVING JURISDICTION INCLUDING CAN/CSA-B149.1 & 2.
- 2.0 INSTALL WITH THE FOLLOWING MINIMUM CLEARANCES TO COMBUSTIBLES:
 - FROM TOP OF UNIT 0"
 - FROM BACK OF UNIT 1/2"
 - FROM SIDES OF UNIT 1/2"
 - FROM TOP OF HORIZ VENT 3"
 - FROM SIDES TO VENT 1"
- 3.0 THE DIRECT VENT UNIT ILLUSTRATED IS THE GC150 MODEL AS MANUFACTURED BY HEATILATOR.
- 4.0 THE MANTEL ILLUSTRATED IS THE S-2 GB AS SUPPLIED BY GREATER TORONTO FIREPLACE.

VARY REFERENCE TO MODEL



CITY OF BRAMPTON
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JAN 05 2019
BY
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AUG 22 2018

2012 CODE

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FIRM NAME BCN

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
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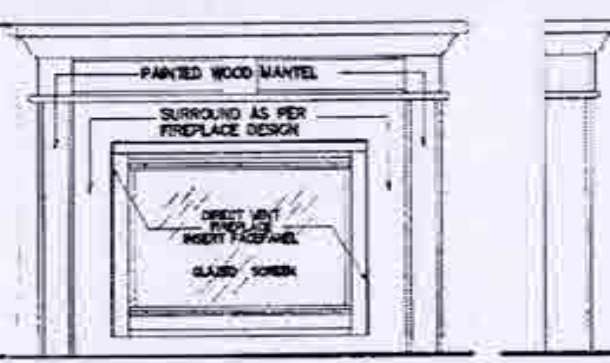
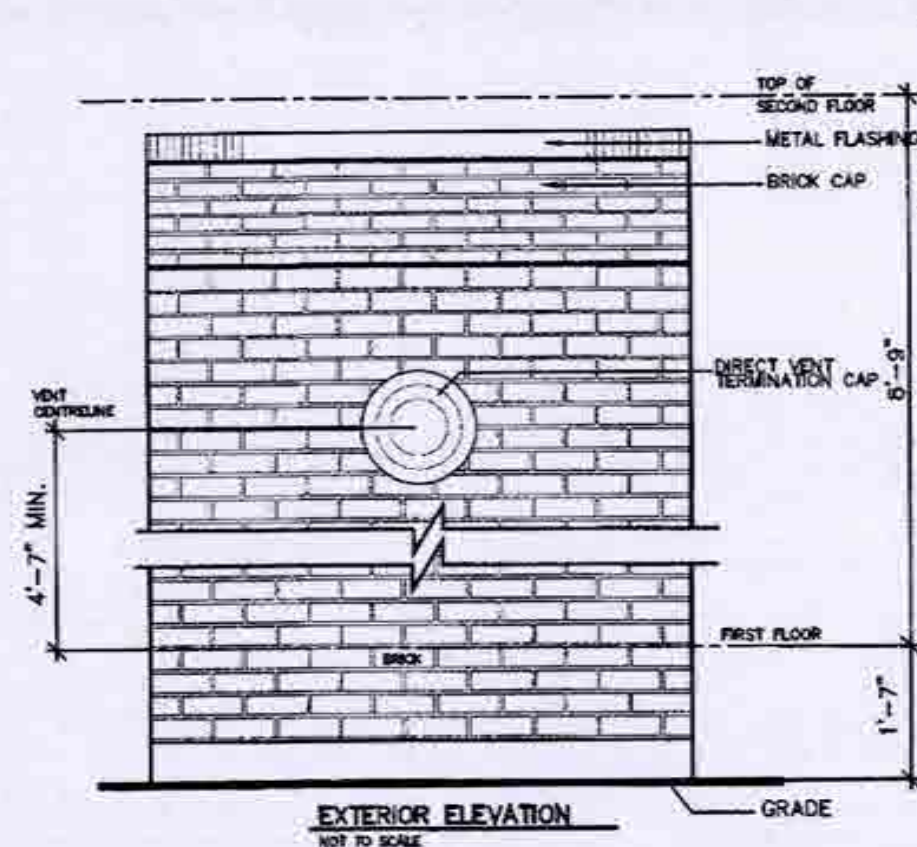
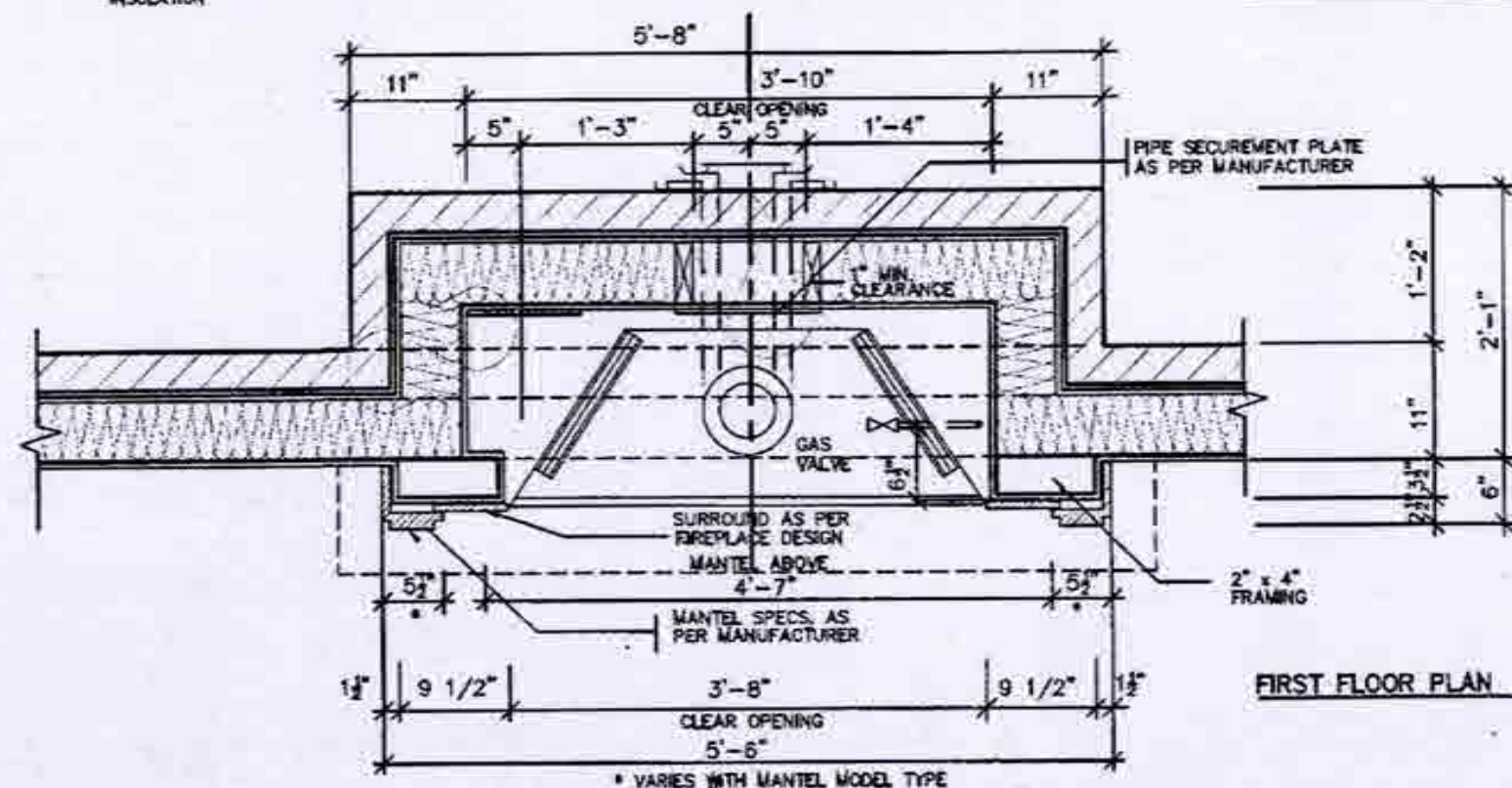
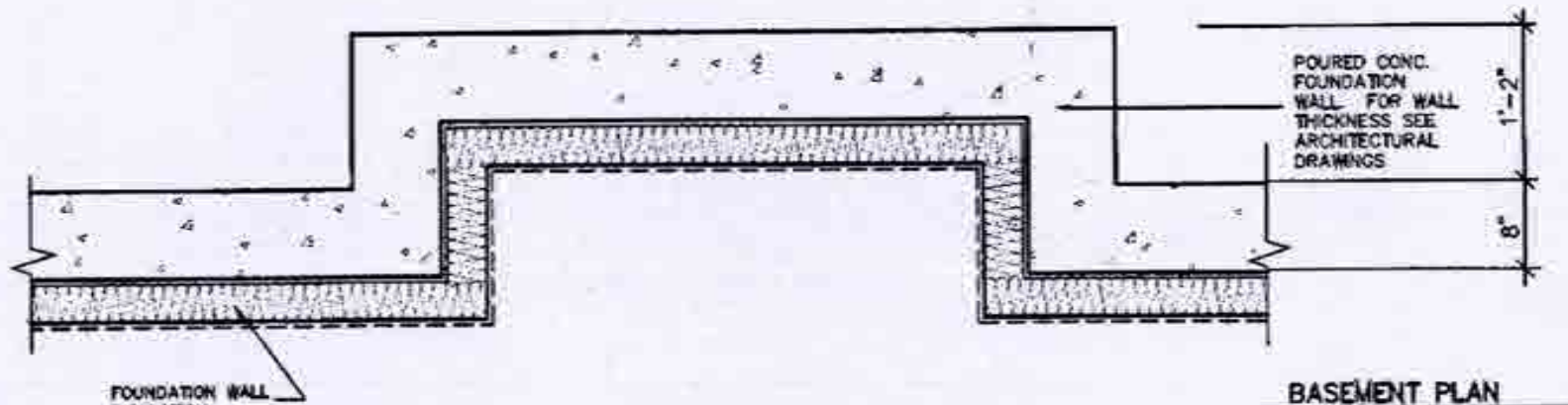
DIRECT VENT FIREPLACE
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
T

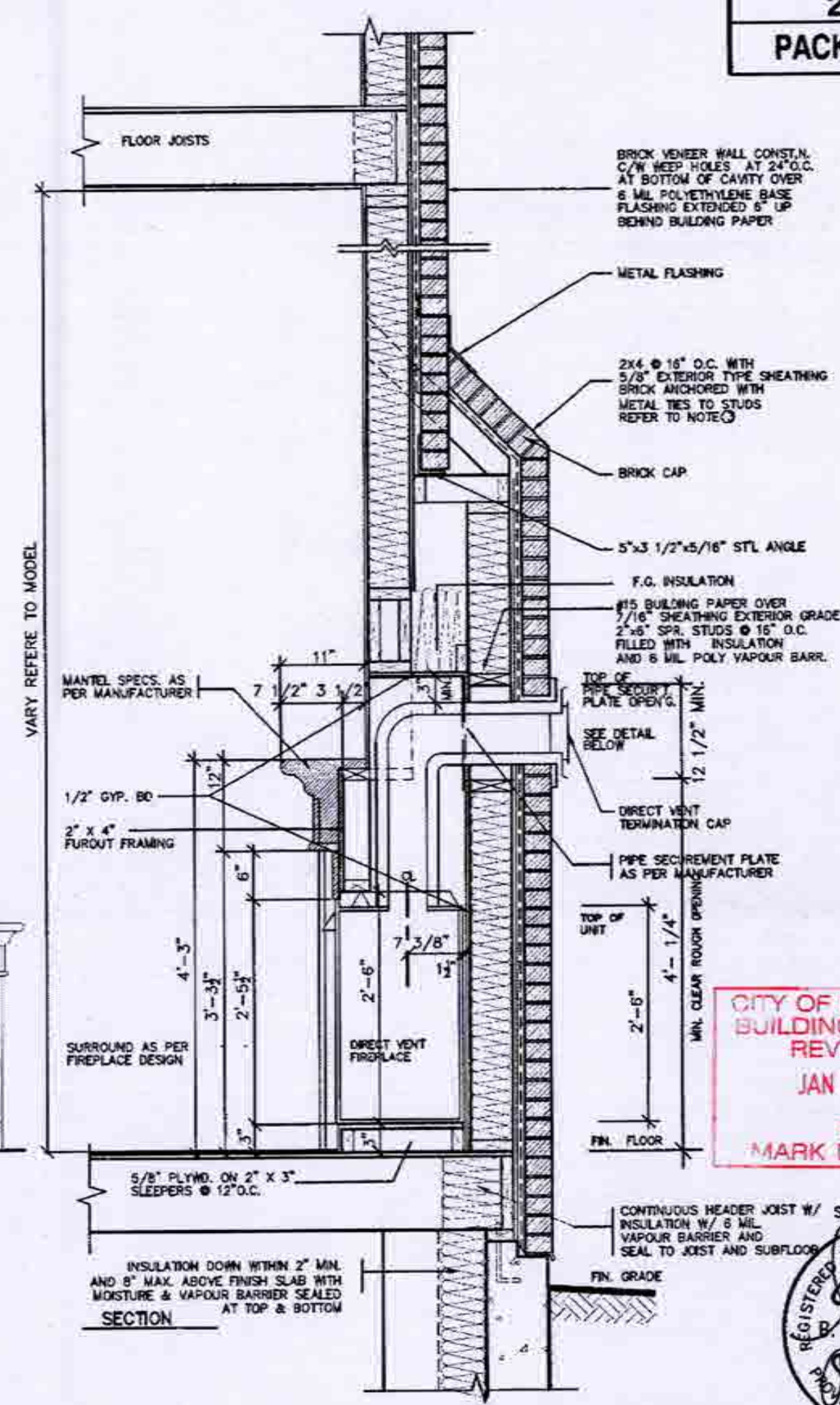
SCALE
3/4" = 1'-0"

PROJ. NO.
18-24

DWG. NO.
6



- GENERAL INSTALLATION NOTES**
- 1.0 UNIT INSTALLATION TO STRICTLY CONFORM TO MANUFACTURERS INSTALLATION MANUAL AND ALL APPLICABLE CODES OF LOCAL AUTHORITIES HAVING JURISDICTION INCLUDING CAN/CGA-B149.1 & 2.
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 - FROM TOP OF HORIZ. VENT 3"
 - FROM SIDES TO VENT 1"
 - 3.0 THE DIRECT VENT UNIT ILLUSTRATED IS THE GC150 MODEL AS MANUFACTURED BY HEATILATOR.
 - 4.0 THE MANTEL ILLUSTRATED IS THE S-2 CB AS SUPPLIED BY GREATER TORONTO FIREPLACE.



CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 05 2019
BY
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AUG 22 2018

2012 CODE

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1	AUG 11, 2018	PREPARED TO PACKAGE 'A1' ISSUED TO CLIENT
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Walter Botter 21031
NAME SIGNATURE BCIN

REGISTRATION INFORMATION
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Jardin design group inc. 27763
FIRM NAME BCIN

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
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TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

DIRECT VENT FIREPLACE
WITH BRICK CAP
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
T

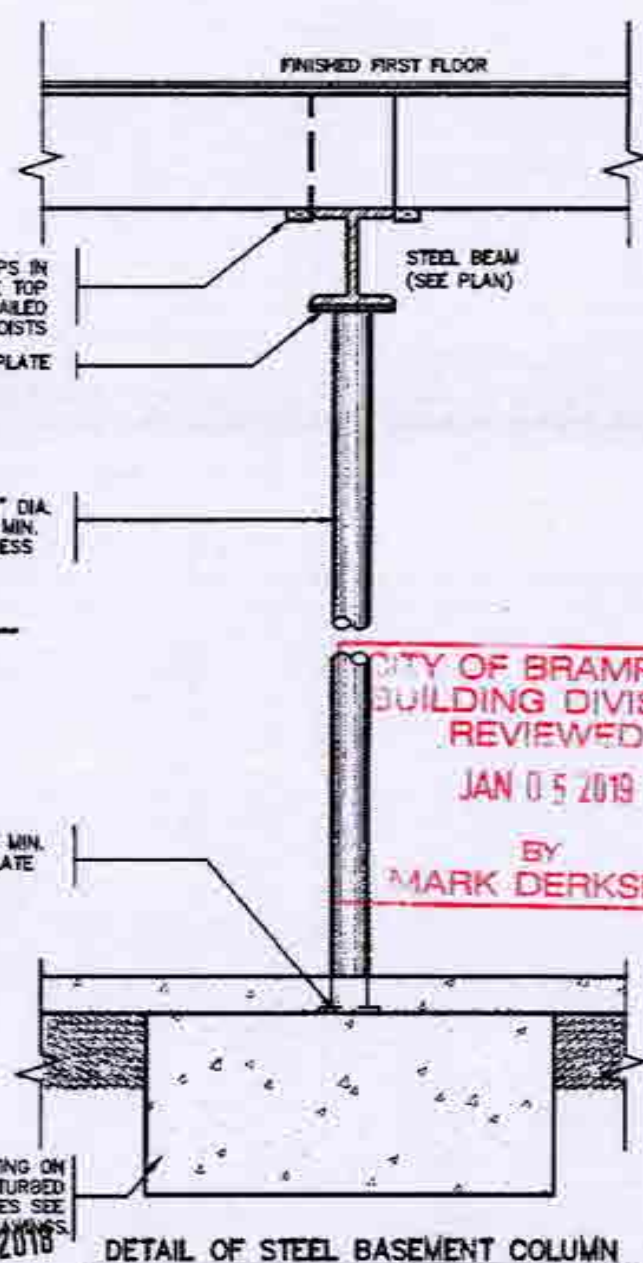
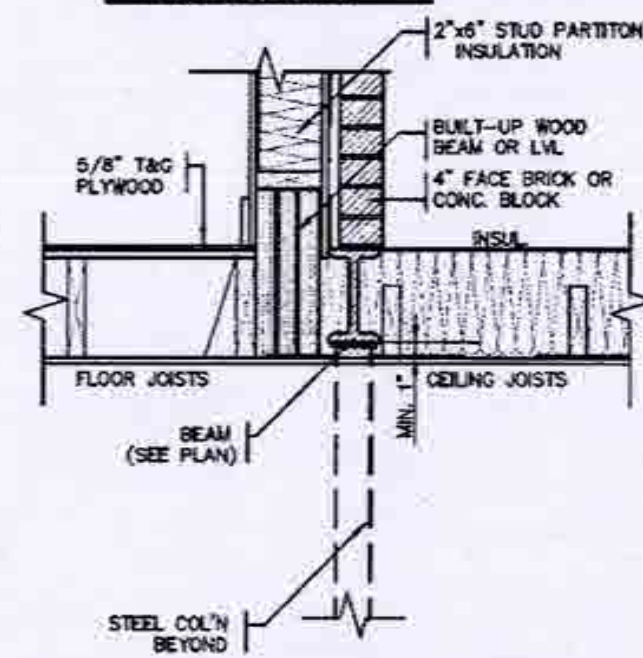
SCALE
3/4" = 1'-0"

PROJ. No.
18-24

DWG. No.
6-1

2012
PACKAGE 'A1'

SECTION THROUGH STEEL BEAM
SUPPORTING MASONRY & BEARING
STUD PARTITION



CITY OF BRAMPTON
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WEEPING HOLES 3/8\"/>

SEE PLAN FOR ROOF SLOPE

RAFTER TIED TO STUD

ROOF RAFTER

2x6\"/>

CEILING JOIST (SEE PLAN)

TOP OF WOOD PLATE

WELD OR
BOLT STEEL
COL'N TO
BEAM (TYP.)

INSULATION
WHEN AREA
BELOW IS
LIVING
AREA / NO
INSULATION
WHEN
GARAGE
AREA IS
BELOW

WOOD
BLOCKING
1/4\"/>

8\"/>

1x2\"/>

3 1/2\"/>

FIN. FIRST FLOOR

6x6x3/8\"/>

CONCRETE FOOTING ON
NATURAL UNDISTURBED
SOIL. FOR SIZES SEE
ARCHITECTURAL DRAWINGS.
AUG 22 2018

DETAIL OF STEEL BASEMENT COLUMN

2\"/>

10\"/>

INSULATION WHEN AREA
BELOW IS GARAGE OR
EXTERIOR / NO INSULATION
WHEN AREA BELOW IS LIVING
AREA

STEEL BEAM (SEE PLAN)

4x4x1/4\"/>

DOUBLE STUDS ON
BOTH SIDES OF 3 - 1/2\"/>

FLOOR JOIST (SEE PLAN)

4x4x1/4\"/>

FINISHED GRADE

10x4x1/2\"/>

SECTION

ELEVATION

SECTION A-A

FOAM INSULATION

STEEL STRAP

LINE OF FOUNDATION WALL

FIN. SECOND FLOOR

FIN. FIRST FLOOR

VARIES
HEIGHT OF PIPE COL'N DETERMINED
BY FLOOR JOISTS (SEE FLOOR PLAN)



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Jardin design group inc. 27763
FIRM NAME BCIN

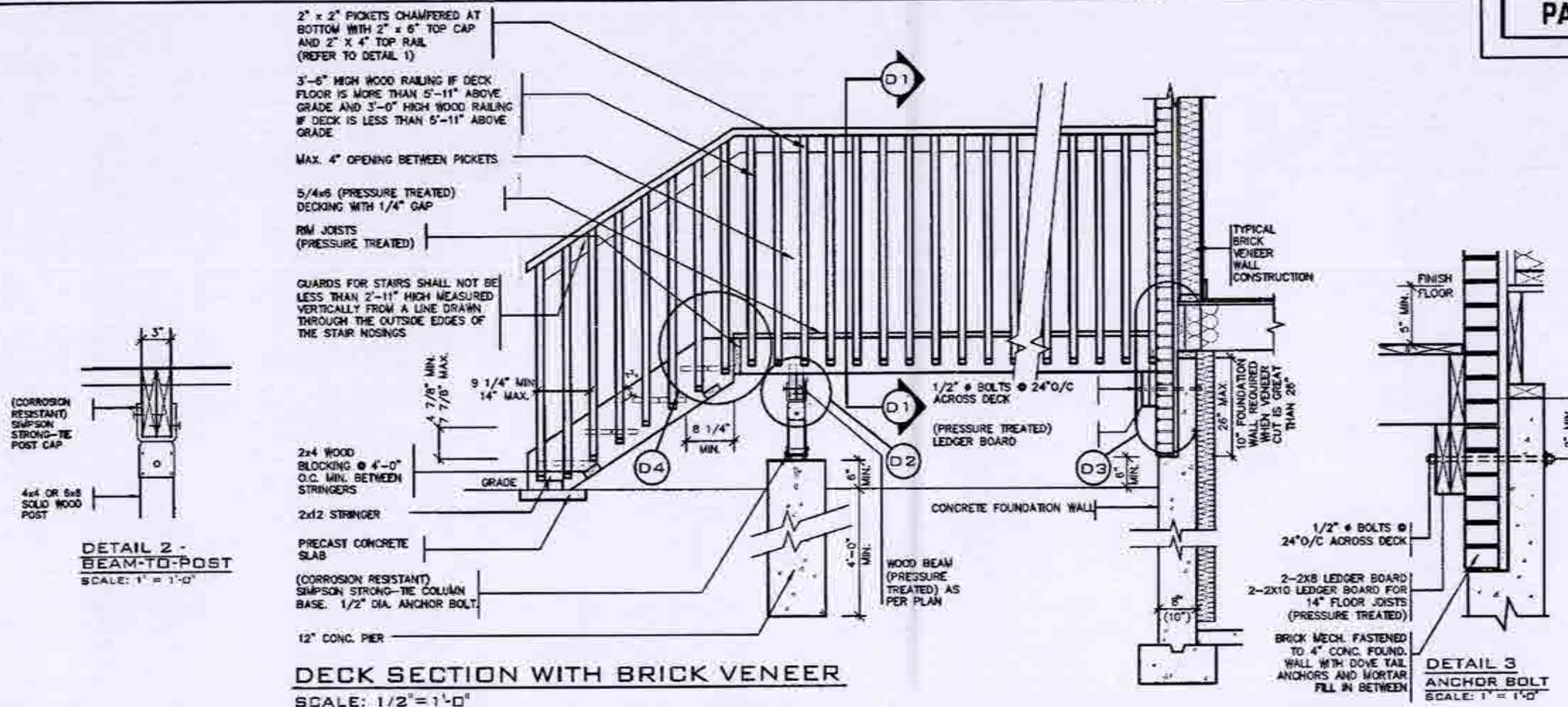
jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P5
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

ST. COLUMN DETAILS
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
T

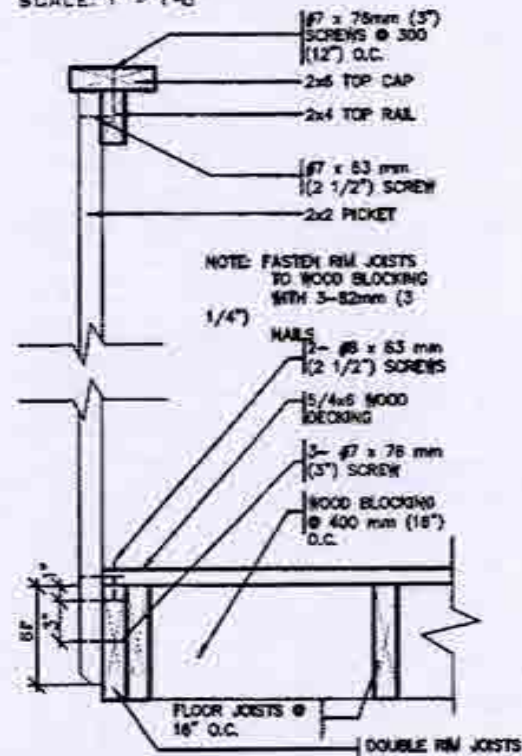
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PROJ. NO. 18-24
SHEET NO. 7

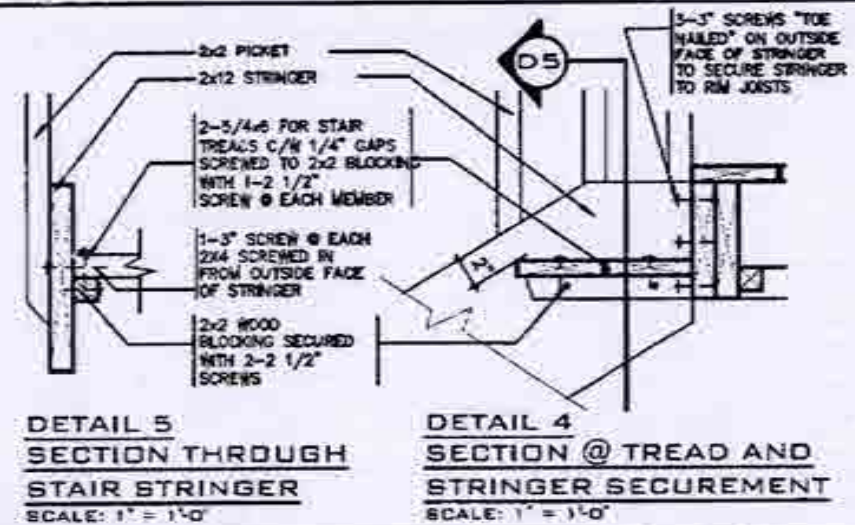
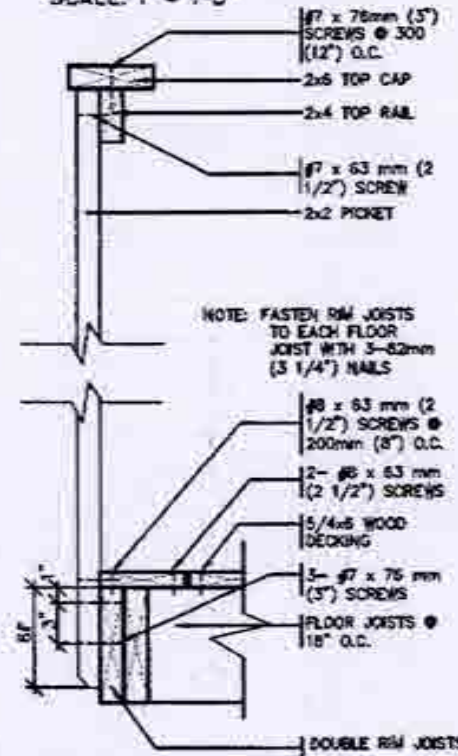


DETAIL 1

CANTILEVERED PICKET SCREWED TO RIM JOIST AND DECK GUARD PARALLEL TO FLOOR JOISTS SCALE: 1" = 1'-0"



GUARD PERPENDICULAR TO FLOOR JOISTS SCALE: 1" = 1'-0"



GENERAL NOTES

1. BRICK TO BE COMPRESSIVE STRENGTH OF 15MPa (2200 p.s.i.) MIN. UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
2. MORTAR TO BE TYPE S WITH JOINT THICKNESS OF 10mm (3/8") MIN. AND 20mm (3/4") MAX.
3. ALL NAILS AND SCREWS TO BE GALVANIZED.
4. WOOD FOR CANTILEVERED PICKETS SHALL BE DOUGLAS FIR-LARCH, SPRUCE-PINE-FIR, OR HEM-FIR SPECIES.
5. THE DECK HAS BEEN DESIGNED TO SAFELY SUPPORT A SUPERIMPOSED LOAD OF 1.9kPa [40psf].
6. CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 20MPa AT 28 DAYS AND 6-8% AIR ENTRAINMENT.
7. FOOTING TO BE PLACED ON UNDISTURBED SOIL WITH MIN. BEARING PRESSURE OF 150kPa [3130psf].

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 05 2019
BY
MARK DERKSEN

AUG 22 2018



2012 CODE

WOOD DECK DETAIL

MINNISALE HOME CORP.
CITY OF BRAMPTON

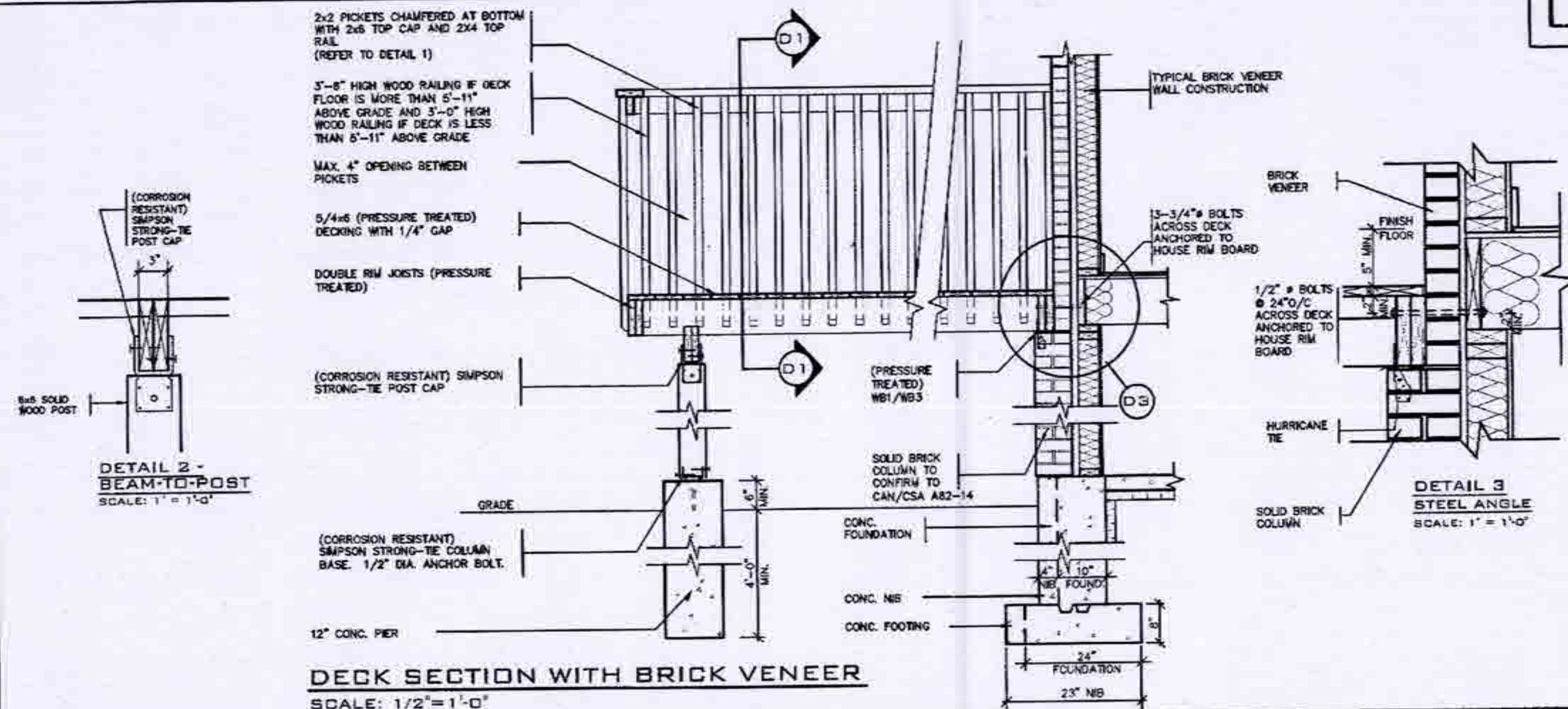
MODEL NAME
T
SCALE
AS SHOWN
PROJ. NO.
18-24
DWG. NO.
8

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
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REGISTRATION INFORMATION
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jardin design group inc. 27763
FIRM NAME BCIN

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DRAWN BY: [blank] DRAWING NAME: GENERAL NOTES

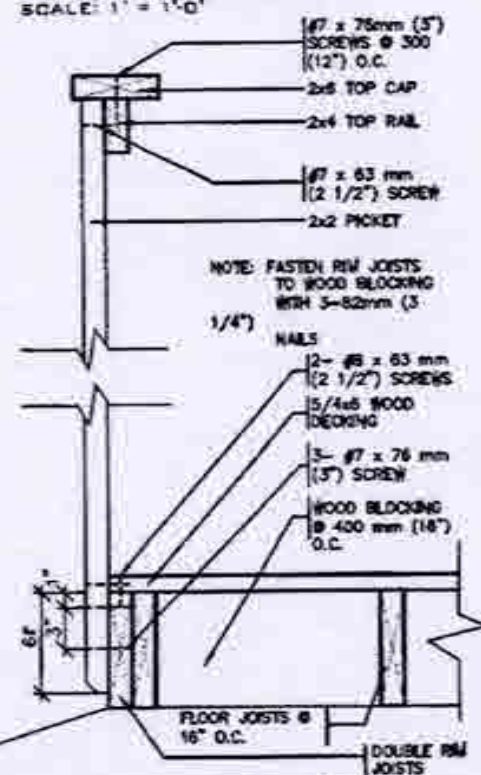


DETAIL 1

CANTILEVERED PICKET SCREWED TO RIM JOIST AND DECK

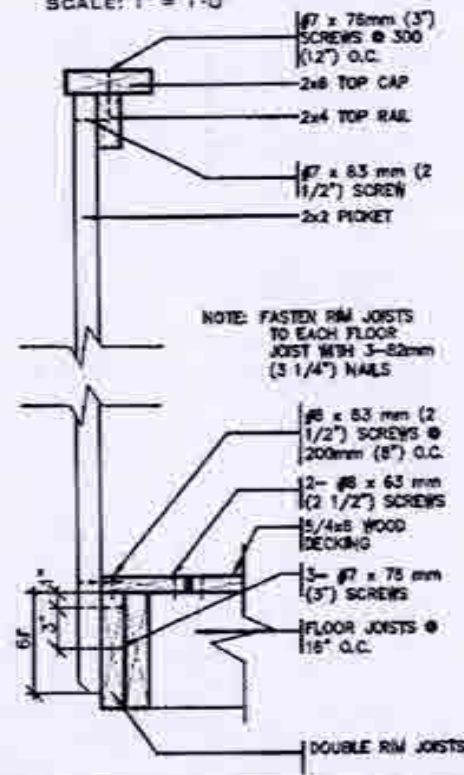
GUARD PARALLEL TO FLOOR JOISTS

SCALE: 1" = 1'-0"



GUARD PERPENDICULAR TO FLOOR JOISTS

SCALE: 1" = 1'-0"



GENERAL NOTES

1. BRICK TO BE COMPRESSIVE STRENGTH OF 15MPa (2200 p.s.i.) MIN. UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
2. MORTAR TO BE TYPE S WITH JOINT THICKNESS OF 10mm (3/8") MIN. AND 20mm (3/4") MAX.
3. ALL NAILS AND SCREWS TO BE GALVANIZED.
4. WOOD FOR CANTILEVERED PICKETS SHALL BE DOUGLAS FIR-LARCH, SPRUCE-PINE-FIR, OR HEM-FIR SPECIES.
5. THE DECK HAS BEEN DESIGNED TO SAFELY SUPPORT A SUPERIMPOSED LOAD OF 1.9kPa [40psf].
6. CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 20MPa AT 28 DAYS AND 5-BLOCK AIR ENTRAINMENT.
7. FOOTING TO BE PLACED ON UNDISTURBED SOIL WITH MIN. BEARING PRESSURE OF 150kPa [3130psf].

AUG 22 2018



FOR STRUCTURE ONLY

2012 CODE

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ALL CONSTRUCTION METHODS MUST BE PERFORMED PRIOR TO POURING A CONCRETE.
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1	AUG. 17, 2018	PREPARED TO PACKAGE 'A1' ISSUED TO CLIENT
No.	DATE	WORK DESCRIPTION

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QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.1 of the Building Code.
NAME: Walter Boffler
SIGNATURE: [Signature]
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the Building Code.
jardin design group inc. 27763
FIRM NAME: BCIN

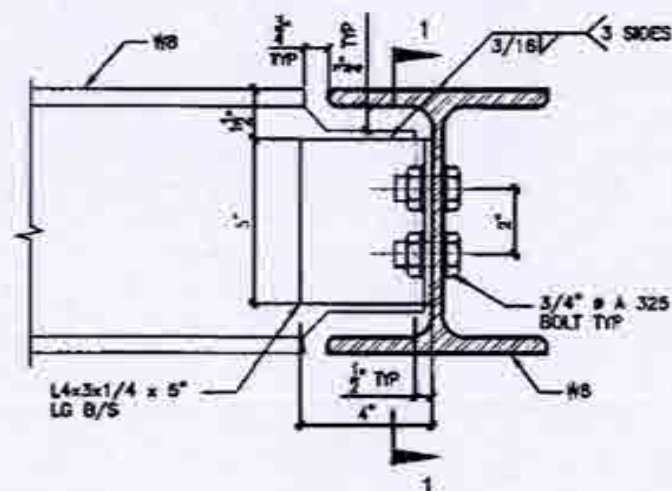
jardin
DESIGN GROUP INC.
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

WALK-OUT DECK DETAIL
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME: T
SCALE: AS SHOWN
PROJ. No.: 18-24
DWG. No.: 8-1

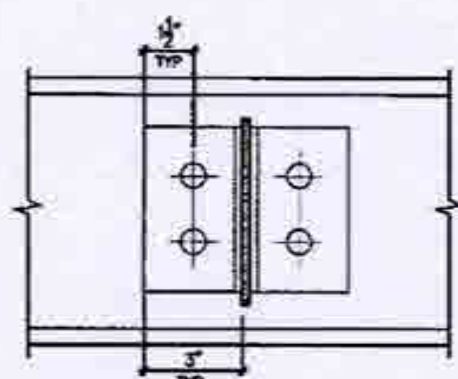


2012
PACKAGE 'A1'

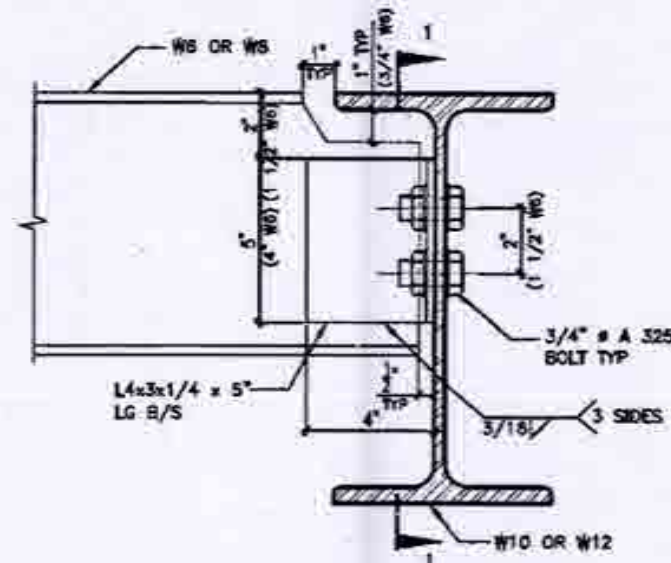


DETAIL 1.

W8
TO
W8
CONNECTION

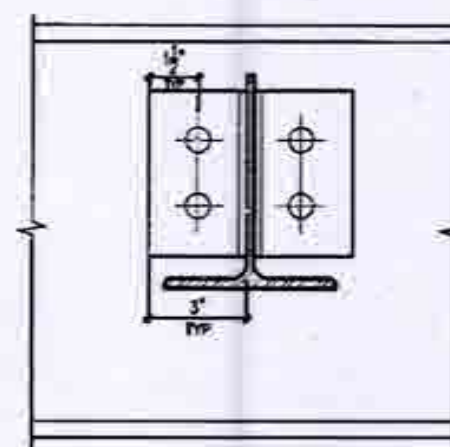


SECTION 1-1

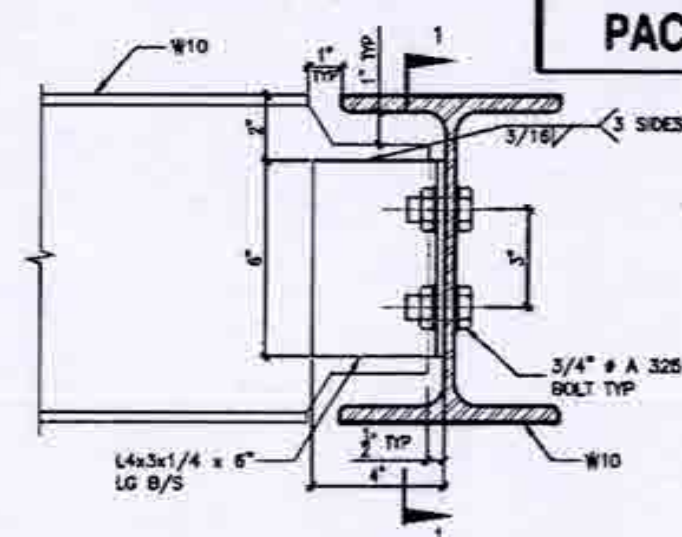


DETAIL 2.

W6(W8)
TO
W10(W12)
CONNECTION

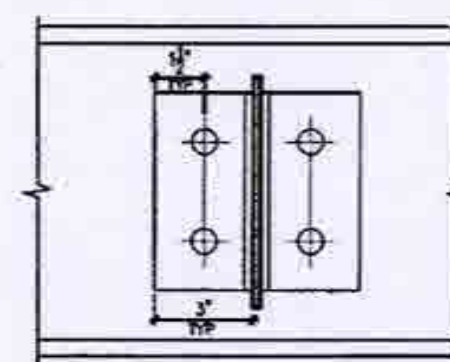


SECTION 1-1

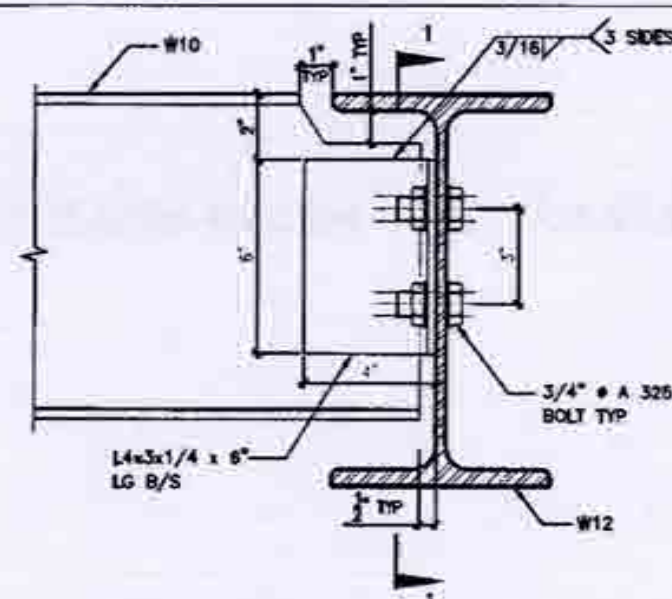


DETAIL 3.

W10
TO
W10
CONNECTION

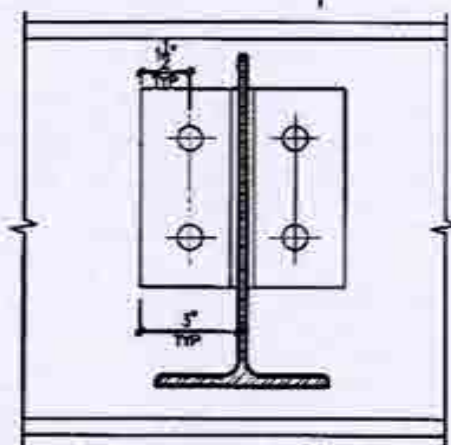


SECTION 1-1

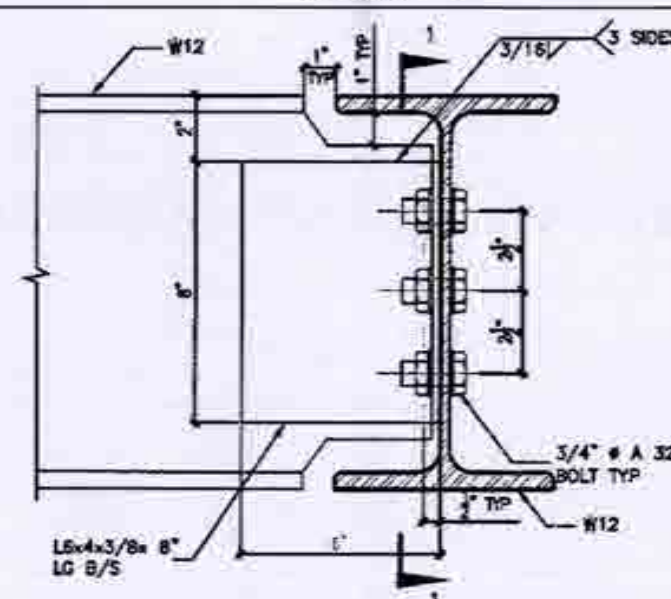


DETAIL 4.

W10
TO
W12
CONNECTION

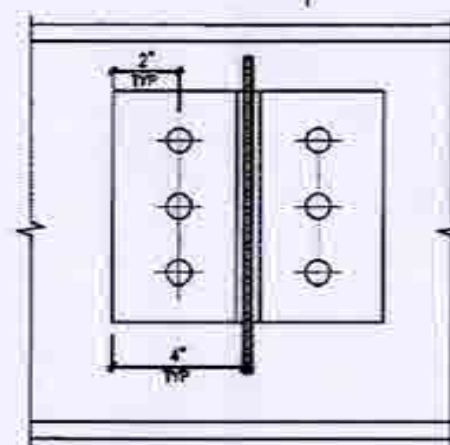


SECTION 1-1



DETAIL 5.

W12
TO
W12
CONNECTION



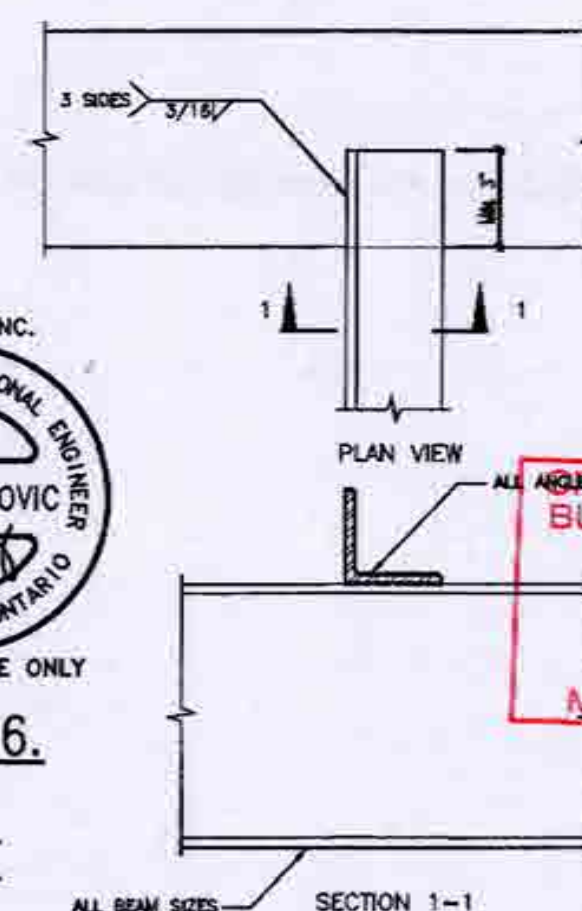
SECTION 1-1



FOR STRUCTURE ONLY

DETAIL 6.

ANGLE
TO
BEAM
CONNECTION



SECTION 1-1

ALL BEAM SIZES
ALL ANGLE SIZES
CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 05 2019
BY
MARK DERKSEN

AUG 22 2018
2012 CODE

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DRAWN BY: [] DRAWING NAME: GENERAL NOTES

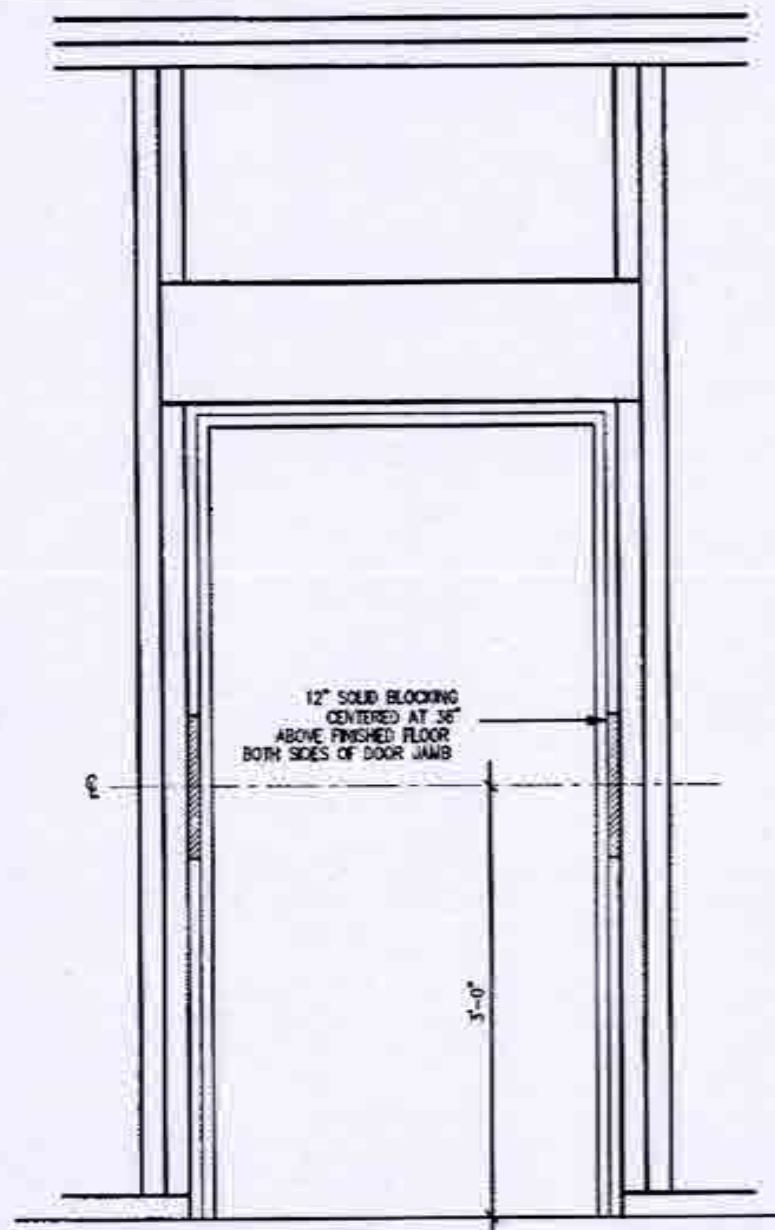
The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.
QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.3 of the Building Code.
Walter Botter 21031 BCIN
NAME SIGNATURE
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the Building Code.
jardin design group inc. 27763 BCIN
FIRM NAME

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

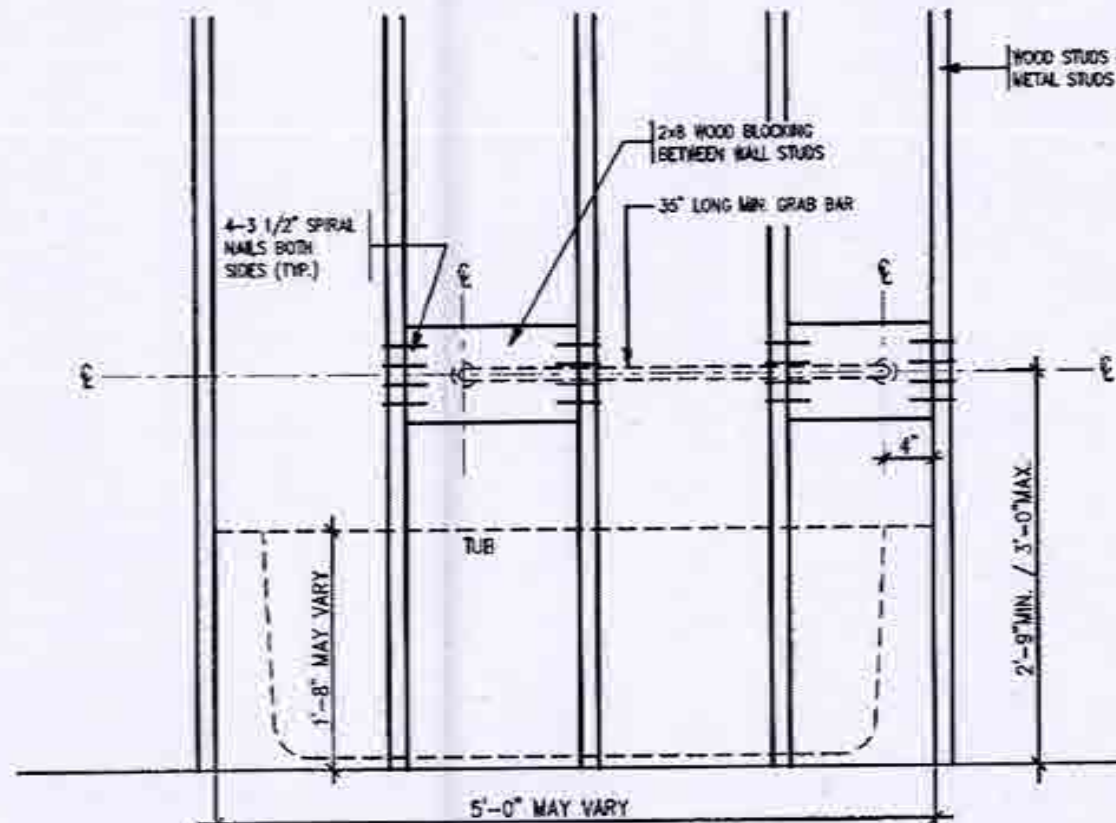
STEEL BEAM DETAILS
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
T
SCALE: N.T.S.
PROJ. NO. 18-24
DWG. NO. 9

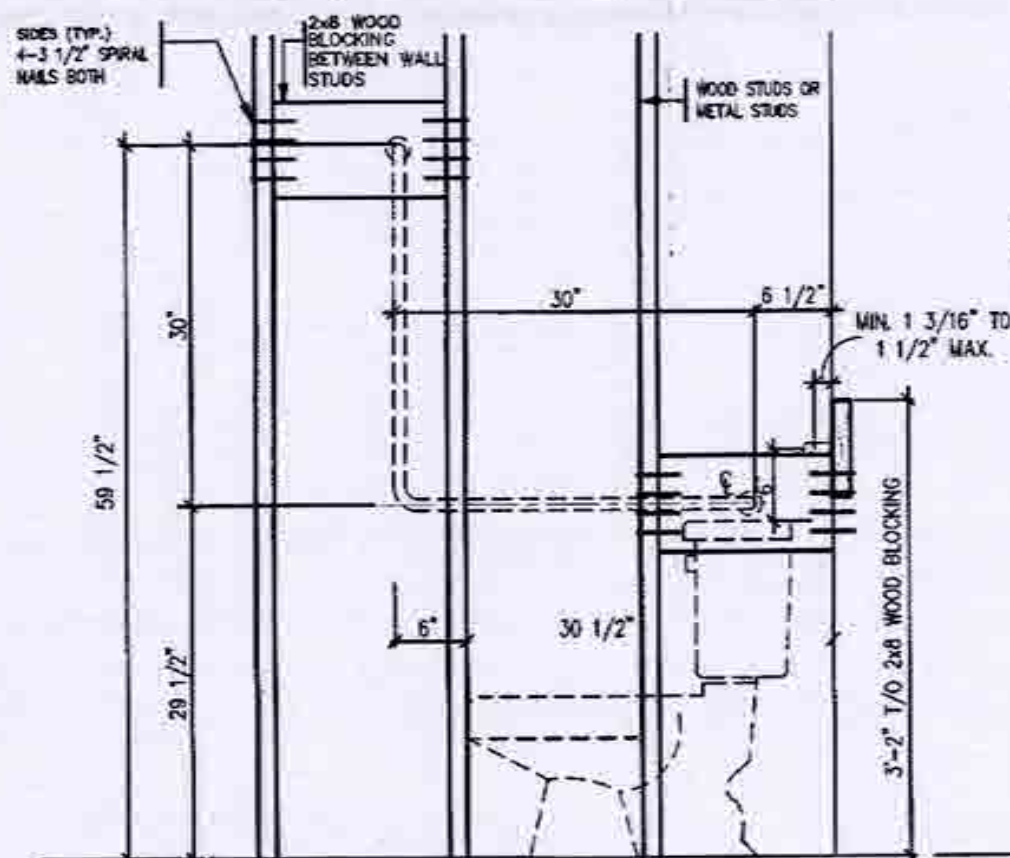
2012
PACKAGE 'A1'



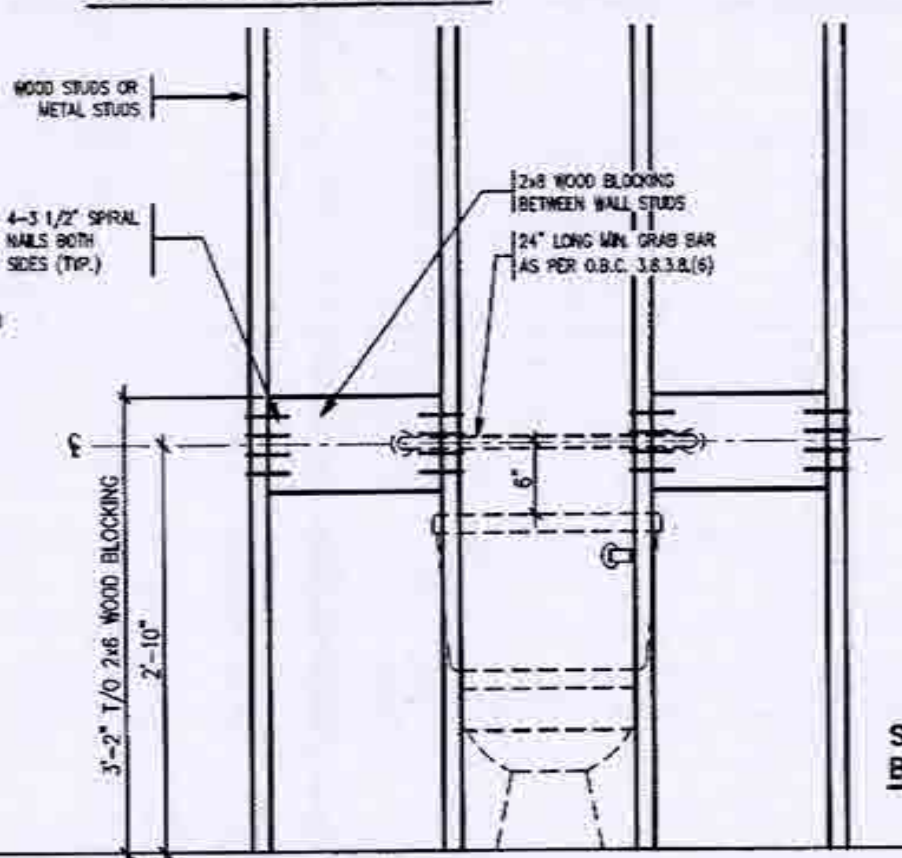
RESISTANCE TO FORCED ENTRY (OBC 9.6.8.)



BATH TUB FRONT ELEVATION



TOILET SIDE ELEVATION



TOILET FRONT ELEVATION

STRUCTURAL REINFORCEMENT FOR GRAB
BAR (OBC 9.5.2.3.)

AUG 22 2018

2012 CODE

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 15 2019
BY
MARK DERKSEN



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THIS DRAWING IS A REPRESENTATIVE OF SERVICE IS PROVIDED BY AND IS THE PROPERTY OF JARDIN DESIGN GROUP INC. THIS DRAWING IS NOT TO BE REPRODUCED.

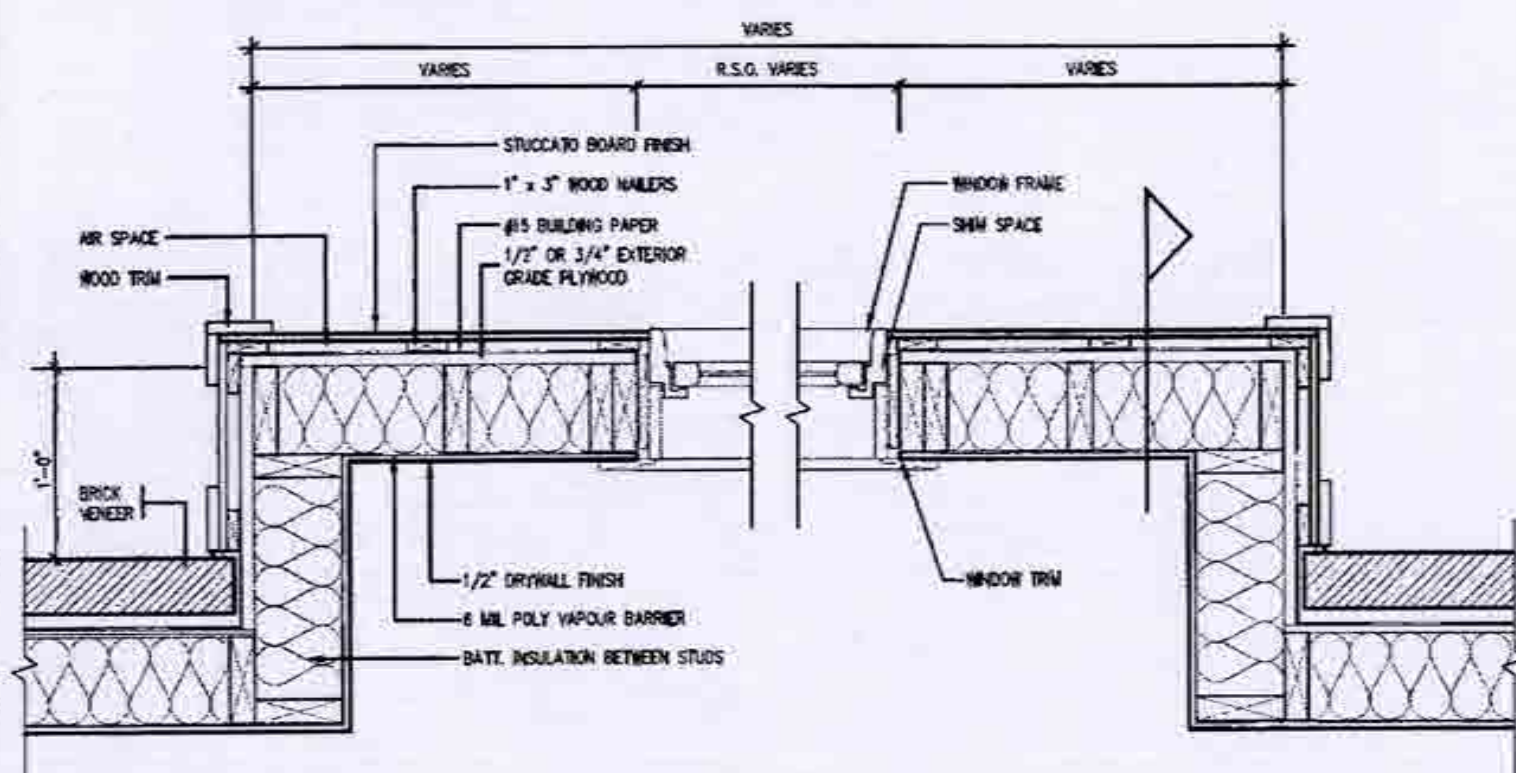
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QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the Building Code.
Walter Botter 21031
NAME SIGNATURE BCIN
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the Building Code.
jardin design group inc. 27763
FIRM NAME BCIN

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

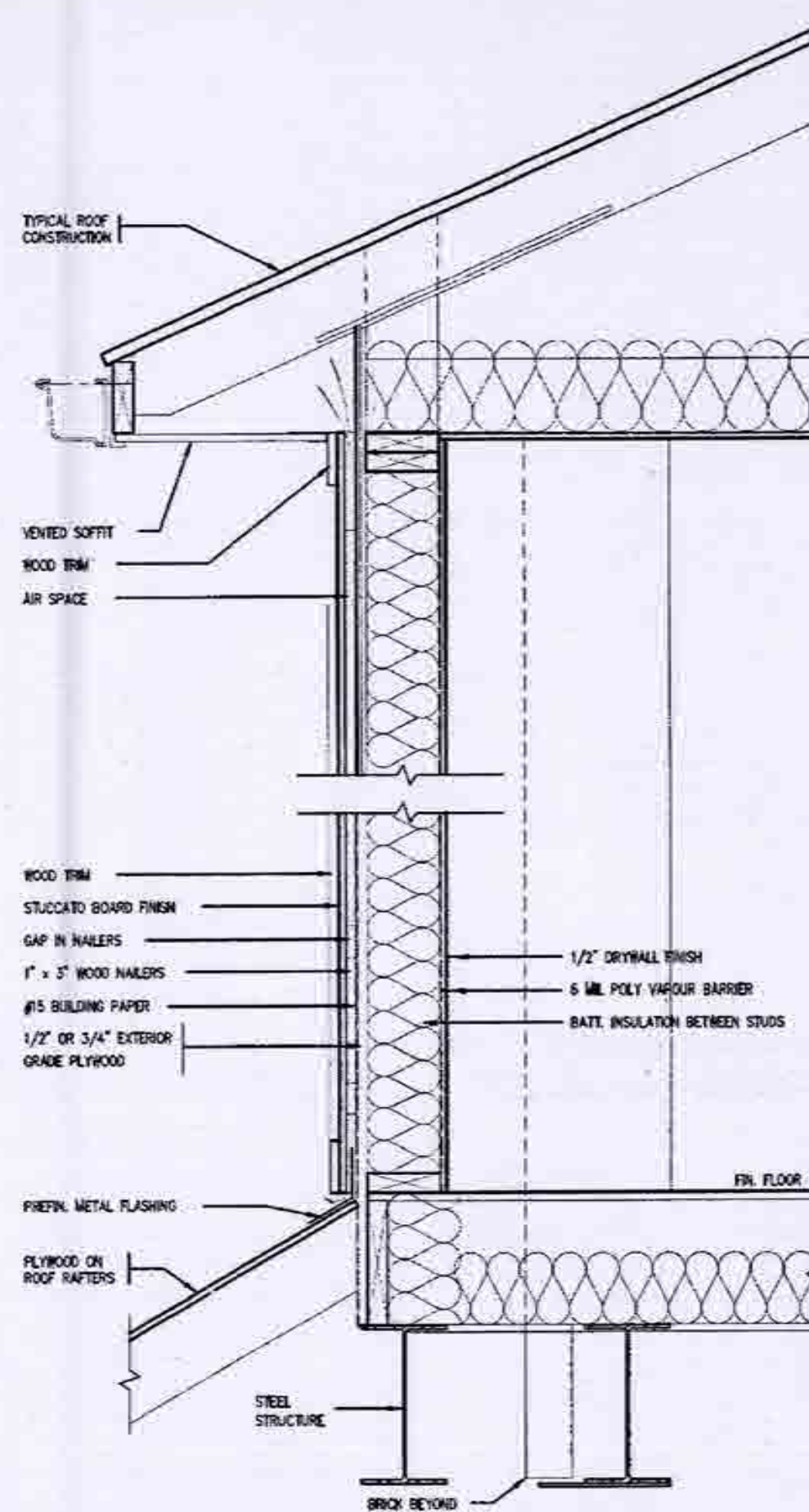
BLOCKING
FORCED ENTRY & GRAB BAR
MINNISALE HOME CORP.
CITY OF BRAMPTON
MODEL NAME
T
SCALE
3/4" = 1'-0"
PROJ. No.
18-24
DWG. No.
10

2012
PACKAGE 'A1'



PLAN VIEW

STUCCO BOARD FINISH CLADDING (OBC 9.27.)



CROSS SECTION

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 05 2018
BY
MARK DERKSEN



AUG 22 2018

2012 CODE

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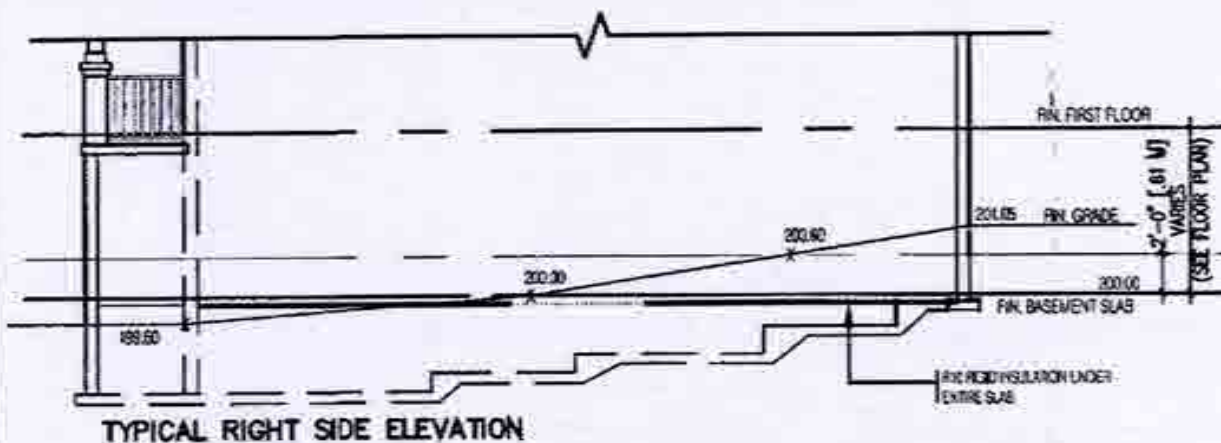
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QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 1.2.5 of the building code.
Walter Botter 21037
NAME SIGNATURE BCN
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 1.2.4 of the building code.
jardin design group inc. 27763
FIRM NAME BCN

jardin
DESIGN GROUP INC.
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

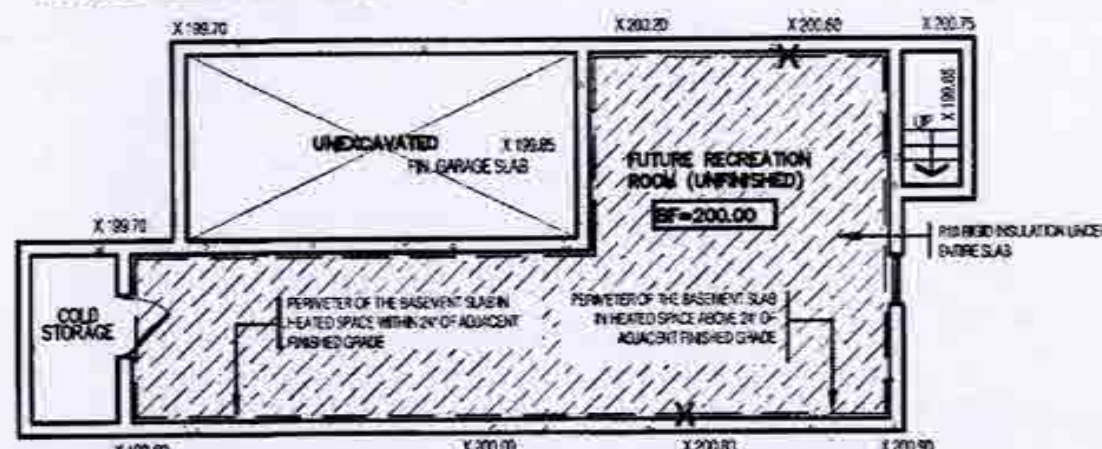
STUCCO BOARD
FINISH CLADDING
MINNISALE HOME CORP.
CITY OF BRAMPTON
MODEL NAME
T
SCALE: 1" = 1'-0"
PROJ. No. 18-24
DWG. No. 11



2012
PACKAGE 'A1'



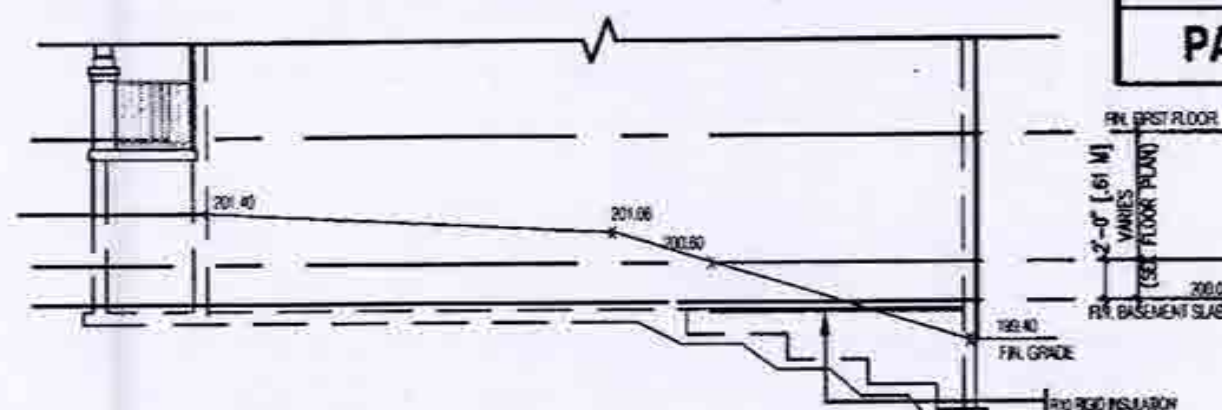
TYPICAL RIGHT SIDE ELEVATION



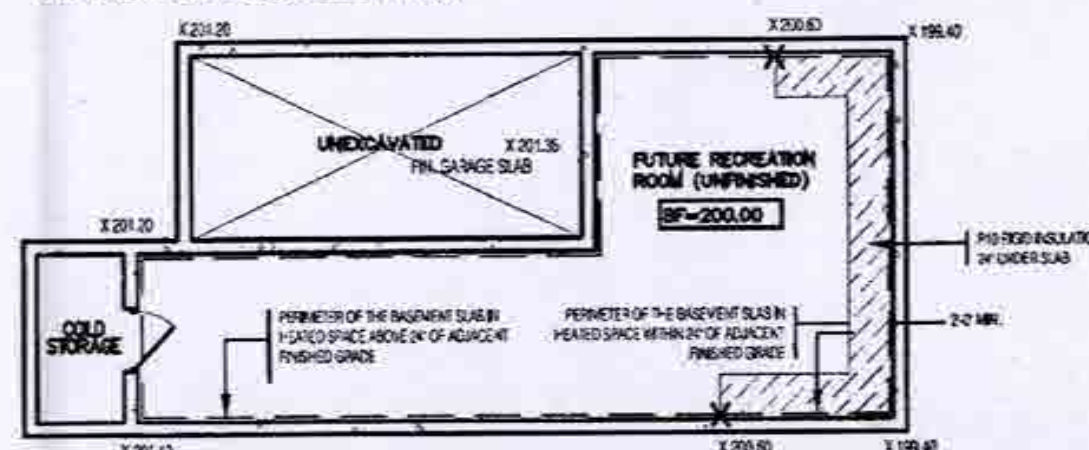
TYPICAL BASEMENT PLAN

SLAB ON GRADE CONDITION

NOTES:
1. LEVELS SHOWN ON THE PLANS ARE FOR ILLUSTRATION PURPOSE ONLY. SEE FINAL GRADING PLAN FOR ACTUAL LEVELS.
2. ALL LEVELS ARE SHOWN IN METRIC.



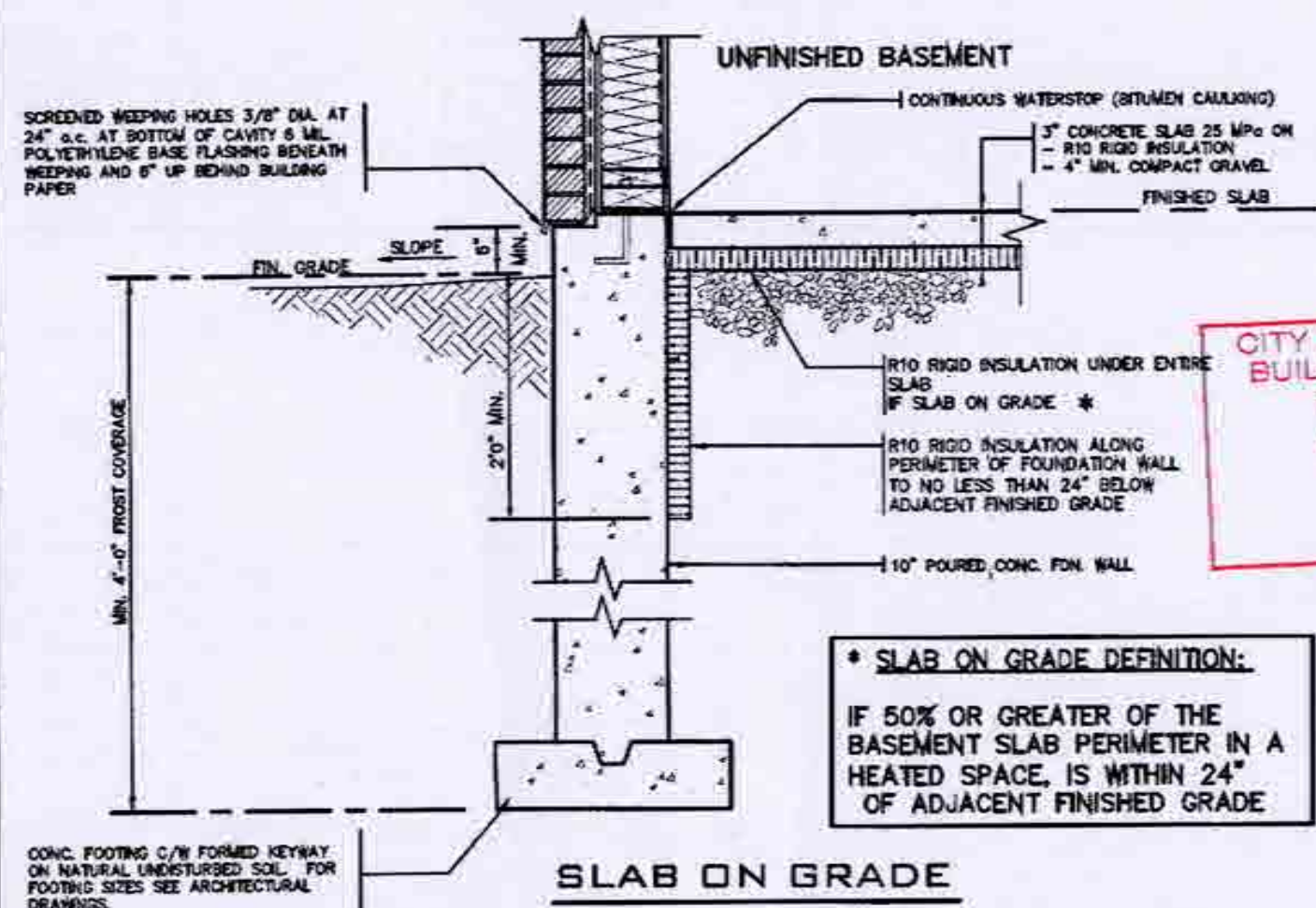
TYPICAL RIGHT SIDE ELEVATION



TYPICAL BASEMENT PLAN

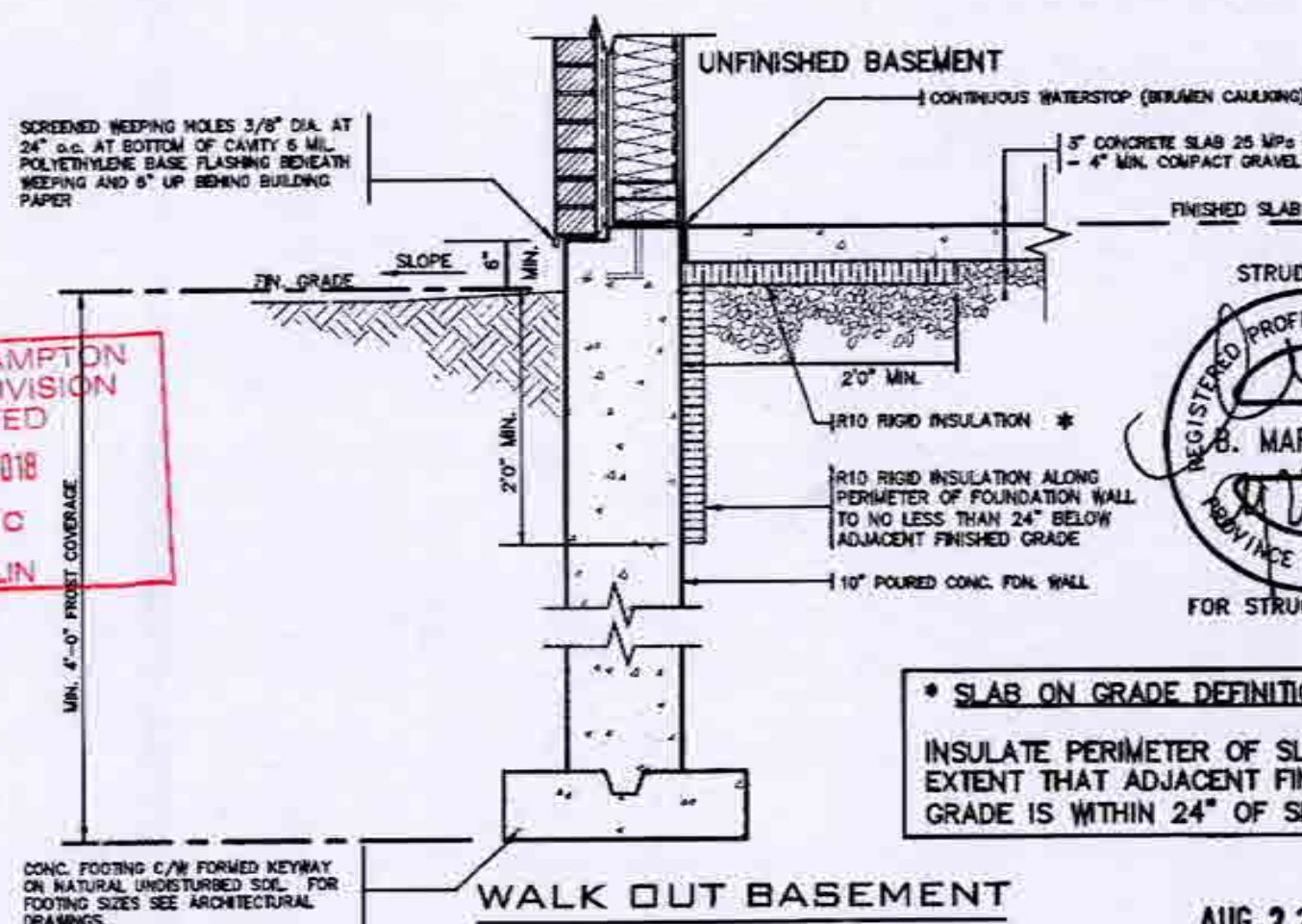
WALK OUT BASEMENT CONDITION

NOTES:
1. LEVELS SHOWN ON THE PLANS ARE FOR ILLUSTRATION PURPOSE ONLY. SEE FINAL GRADING PLAN FOR ACTUAL LEVELS.
2. ALL LEVELS ARE SHOWN IN METRIC.



SLAB ON GRADE

* SLAB ON GRADE DEFINITION:
IF 50% OR GREATER OF THE BASEMENT SLAB PERIMETER IN A HEATED SPACE, IS WITHIN 24" OF ADJACENT FINISHED GRADE



WALK OUT BASEMENT

* SLAB ON GRADE DEFINITION:
INSULATE PERIMETER OF SLAB TO EXTENT THAT ADJACENT FINISHED GRADE IS WITHIN 24" OF SLAB

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
NOV 28 2018
H.V.A.C.
BY
JOAN LIN

STRUDET INC.
REGISTERED PROFESSIONAL ENGINEER
B. MARINKOVIC
PROVINCE OF ONTARIO
FOR STRUCTURE ONLY

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 05 2019
BY
MARK DERKSEN

AUG 22 2018

2012 CODE

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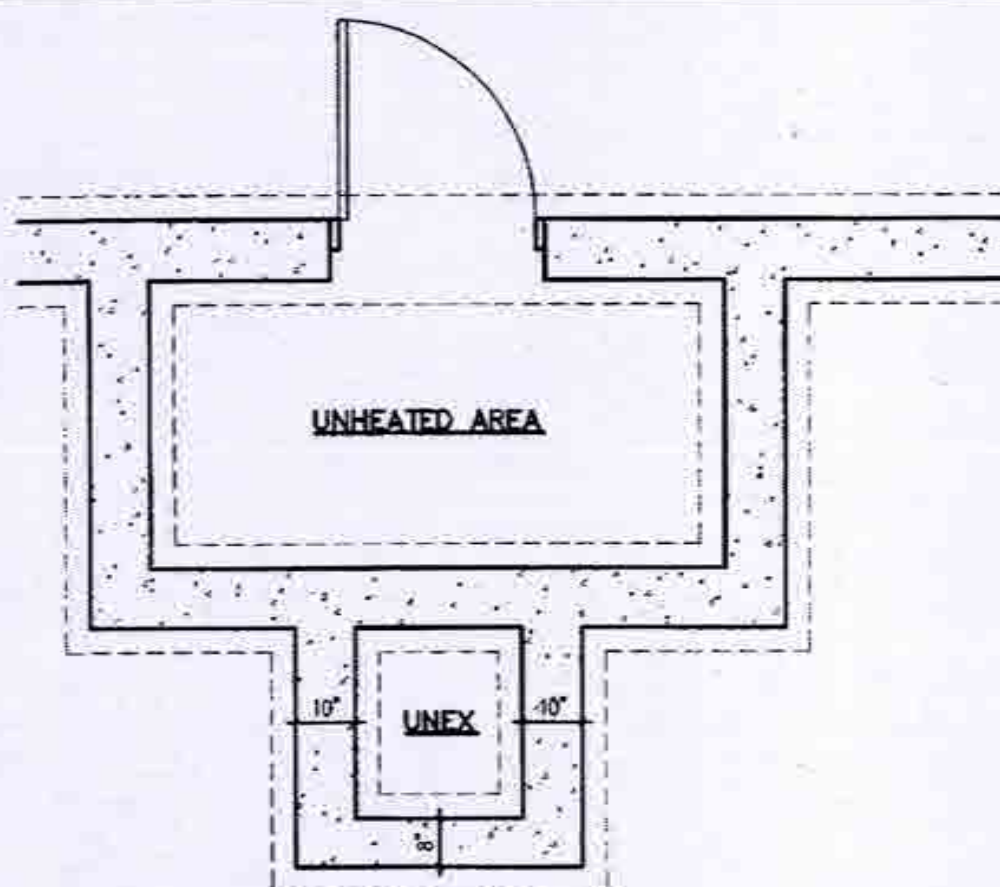
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QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 1.2.1 of the building code.
NAME: Walter Botter
SIGNATURE: [Signature]
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 1.2.1 of the building code.
jardin design group inc. 27763
FIRM NAME: BCK

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

SLAB ON GRADE
WALKOUT BASEMENT
MINNISALE HOME CORP.
CITY OF BRAMPTON
MODEL NAME: T
SCALE: N.T.S.
PROJ. No: 18-24
DWG. No: 12

DRAWN BY: [Blank] DRAWING NAME: GENERAL NOTES

2012
PACKAGE 'A1'



FOUNDATION PLAN

FOR POURED CONCRETE
SLAB STRUCTURE REFER
TO ARCHITECTURAL
DRAWINGS

GUARD &
HANDRAIL

NOSING
REINF. W/
10M BARS

GROUND FLOOR PLAN

CLEAR SPACING
BETWEEN PICKETS TO
BE 4" MAX. NO MEMBER
BETWEEN 4" & 2'-11"
ABOVE SLAB

NOSING
REINF. W/
10M BARS

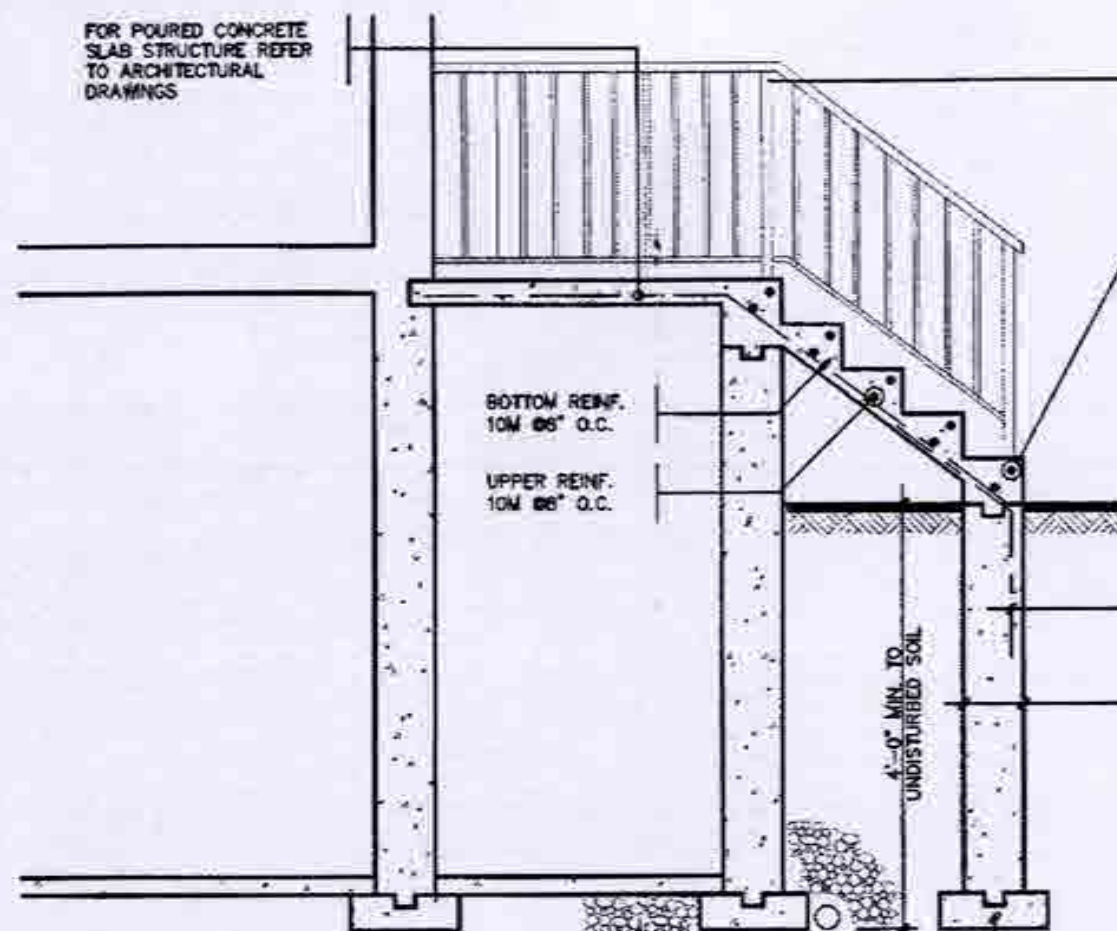
MASONRY EXTERIOR
FACING, FILL SPACE
BETWEEN WALL &
FACING W/ MORTAR
& PROVIDE METAL
TIES SEE NOTE '2'

10M Ø8" O.C.
DOWELS TO
MATCH BOTTOM
REINF.

POURED FDN. WALL

6" X16"
POURED CONC.
FOOTING

SECTION 'B'



SECTION 'A'

NOTE: FOR MORE THAN 8 RISERS

GENERAL NOTES

1. EXTERIOR STAIRS

7 7/8" RISE MAXIMUM
8 1/4" RUN MINIMUM
8 1/4" TREAD MINIMUM

2. MASONRY TIES

WHEN BRICK FACING IS USED ABOVE GROUND
LEVEL, PROVIDE 3/16" DIA. CORROSION
RESISTANT METAL TIES @ 36" HORIZONTAL &
8" VERTICAL

3. GUARDS

ARE REQUIRED AROUND CONCRETE SLAB IF
MORE THAN 2'-0" ABOVE GRADE & ON
BOTH SIDES OF STAIRS CONTAINING MORE
THAN 8 RISERS. MINIMUM 31" HIGH FOR
STAIRS MINIMUM 35" HIGH FOR PORCHES UP
TO 5'-11" ABOVE GRADE. MINIMUM 42" HIGH
FOR GREATER HTS.

4. HANDRAIL

ARE REQUIRED WHERE STEPS HAVE MORE
THAN 3 RISERS. HANDRAIL HEIGHT 31" -
38"

5. FOUNDATION WALLS

THICKNESS OF FOUNDATION WALLS IS
DEPENDANT UPON VENEER CUT 8" FOR UP
TO 26" VENEER CUT HEIGHT 10" FOR
VENEER CUT OVER 26" HIGH

6. CONCRETE

MINIMUM CONCRETE STRENGTH SHALL BE
4550 PSI [32MPa] W/ 5% - 8% AIR
ENTRAINMENT MINIMUM CONCRETE SLAB
THICKNESS 5"

7. CONCRETE COVER

PROVIDE MINIMUM 3/4" CLEAR CONCRETE
COVER TO REINFORCING BARS

OFFICE OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 05 2019
BY
MARK DERKSEN



FOR STRUCTURE ONLY

AUG 22 2018

2012 CODE

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a designer.
QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection
3.2.1 of the building code.
Walter Botter *Walter Botter* 27031
NAME SIGNATURE BCIN
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection
3.2.4 of the building code.
jardin design group inc. 27763
FIRM NAME BCIN

jardin
DESIGN GROUP INC.
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

POURED CONCRETE STAIRS
MINNISALE HOME CORP.
CITY OF BRAMPTON
MODEL NAME
T
SCALE
3/8" = 1'-0"
PROJ. NO.
18-24
DATE
13