

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

STUD WALL REINFORCEMENT: 9.5.2.1. O.B.C. IF ROOF 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 9.7.3 OF O.B.C.
INSTALLATION OF WINDOWS, DOORS AND SKYLIGHTS SHALL CONFORM TO CAN/CSA-A440.3 AS PER 9.7.4.1. 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 SIDING 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 FUMES 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 20x20" (500mm x 500mm) 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 0.25 SQ.M. (4.8 SQ.FT.) WITH NO DIMEN. LESS THAN 380mm (15") AND MAINTAIN THE REQUIRED OPENING WITHOUT THE NEED FOR ADDITIONAL SUPPORT (SEE 9.5.10.1 O.B.C.). FOR SLIDING WINDOWS, THE MINIMUM DIMEN. MUST APPLY TO THE OPENABLE PORTION OF THE WINDOW. SLITS MUST BE NO MORE THAN 1mm (39") ABOVE THE FLOOR. FOR EGRESS WINDOWS, MANUFACTURED WINDOWS, DOORS AND SKYLIGHTS SHALL CONFORM TO CAN/CSA-A440.3 10.1.5.2.4.4.4. NAPS STANDARDS (SEE 9.7.4.1. 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 F476 "SECURITY OF SWINGING DOOR ASSEMBLIES" ARE NOT REQUIRED TO CONFORM TO 9.7.5.2.2. (b) (4) & (5) (SEE 9.7.5.2.2. O.B.C.). FOR RESISTANCE TO FORCED ENTRY FOR DOORS & WINDOWS REFER TO O.B.C. 9.7.5.2.2. 8.9.7.5.3. 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) FOR RESISTANCE TO FORCED ENTRY FOR DOORS & WINDOWS REFER TO O.B.C. 9.7.5.3.2. & 9.7.5.3.

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

RECTANGULAR TREADS AS PER T. 8.8.1.1. O.B.C. INTERIOR AND EXTERIOR MAXIMUM RISE 7 7/8" (200mm). MINIMUM RISE 7" (178mm) MAXIMUM RUN 11 1/2" (295mm) MINIMUM RUN 9 3/32" (210mm) MAXIMUM TREAD 11 1/2" (295mm) MINIMUM TREAD 9 1/4" (235mm) MAXIMUM 25mm NOSING * STAIR WIDTH INTERIOR MINIMUM 21" (530mm) BETWEEN WALL FACES OR GUARDS. EXTERIOR 3'0" (900mm). * CLEAR HEIGHT OVER STAIRS INTERIOR 6'5" (1950mm) MINIMUM EXTERIOR 6'8" * LANDINGS AS PER 8.8.6. O.B.C. EXCEPT AS PROVIDED IN SENTENCE 8.8.6.2 (3) 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 8.8.1.2) * FOR UNIFORMITY AND TOLERANCES FOR RISERS AND TREADS SEE 8.8.4.4. * HANDRAILS ON STAIRS AND RAMPS AS PER 8.8.7.1. MINIMUM 34" (865mm) MAXIMUM 38" (965mm) ABOVE NOSING. * HANDRAILS MINIMUM 2" (50mm) CLEARANCE FROM WALL. * GUARDS AS PER 8.8.8. O.B.C. INTERIOR GUARDS MINIMUM 36" (900mm) HIGH AROUND LANDINGS AND FLOOR AREAS OF MORE THAN TWO RISERS. * EXTERIOR GUARDS MINIMUM 36" (900mm) HIGH FOR GRADES GREATER THAN 2:40 AND MINIMUM 42" (1060mm) HIGH FOR GRADES GREATER THAN 5:11" (180mm). THE HEIGHT OF GUARDS FOR EXTERIOR STAIRS AND LANDINGS MORE THAN 10.00m ABOVE ADJACENT GROUND LEVEL SHALL NOT BE LESS THAN 1500mm (SEE 8.8.8.3.3) PICKETS IN GUARDS FOR STAIR AND AROUND LANDINGS TO BE A MAXIMUM OF 100mm (4") APART. (SEE 8.8.8.3. O.B.C.) * CURVED STAIRS (ANGLED TREADS) TO HAVE MINIMUM RUN 8" AND MINIMUM AVERAGE RUN OF 7 1/8" (200mm). * GUARDS AS REQUIRED BY 8.8.1.1. O.B.C. SHALL BE DESIGNED SO THAT NO MEMBER ATTACHMENT OR OPENING LOCATED BETWEEN 5 1/2" (140mm) AND 3'0" (900mm) ABOVE THE FLOOR OR WALKING SURFACE PROTECTED BY THE GUARD WILL FACILITATE CLIMBING. (SEE 8.8.8.4. O.B.C.) * PROVIDE A GUARD OR 2x4" NON-LOAD BEARING WALL FINISHED WITH 1/2" (12.7mm) ORYVALL ONE SIDE AROUND BASEMENT STAIR AS PER 8.8.1.1.3. RAMPS MAXIMUM SLOPE FOR PEDESTRIAN RAMP TO BE 1 IN 10.

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

AN EXPOSED BUILDING FACE LESS THAN 4' (1219mm) FROM THE LOT LINE SHALL HAVE A MINIMUM FIRE RESISTANCE RATING OF 3/4 HOURS. * EXTERIOR WALLS LESS THAN 2'0" (610mm) FROM THE LOT LINE SHALL BE CLAD WITH NON-COMBUSTIBLE MATERIAL. * WALLS LESS THAN 4'0" (1219mm) FROM THE LOT LINE SHALL HAVE NO UNPROTECTED WINDOWS. * PARTY WALLS SHALL HAVE ONE HOUR MINIMUM FIRE RATING. * PROVIDE FIRE BLOCKS AS PER 9.10.18. O.B.C. * FLAME SPREAD RATING OF INTERIOR FINISHES 150 MAXIMUM (SEE 9.10.17 O.B.C.). * SMOKE ALARMS CONFORMING TO CANULC - S331 SHALL BE INSTALLED IN LOCATIONS AS PER 9.10.18.3 O.B.C. ON EACH STOREY, IN EACH BEDROOM & IN EACH HALLWAY AND INSTALLED AS PER CANULC-S33. * SMOKE ALARMS SHALL HAVE A VISUAL SIGNALLING COMPONENT AS PER 9.10.18.3 (3) FOR SOUND PATTERNS OF SMOKE ALARMS SEE 9.10.19.2. * GABLED END WALLS LESS THAN 4'0" (1219mm) TO LOT LINE SHALL HAVE MINIMUM ONE LAYER OF 5/8" LABELLED DRYWALL ON INSIDE FACE UP TO UNDER 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 (9.33.4.2. O.B.C.) SMOKE ALARMS SHALL BE PROVIDED WITH A BATTERY AS AN ALTERNATE POWER SOURCE IN CASE REGULAR POWER SUPPLY IS INTERRUPTED (SEE 9.10.19.4)

EXCAVATION: -9.12. O.B.C.

EXCAVATION: TOP SOIL AND VEGETABLE MATTER IN ALL UNEXCAVATED 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 (18) (SEE 9.14.3.2)

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

CONCRETE FOOTINGS SHALL REST ON UNDISTURBED SOIL WITH ALLOWABLE BEARING OF THE NPA (21.75 PSI) OR GREATER, WHEN BEARING CAPACITY OF SOIL IS LESS THAN 1500PSI, STRUCTURAL ENGINEER SHOULD BE NOTIFIED IMMEDIATELY PRIOR TO COMMENCEMENT OF WORK. * MINIMUM DEPTH OF FOUNDATIONS TO BE 4'0" (1219mm) BELOW FINISHED GRADE. * AS PER 9.3.1.8 O.B.C. CONCRETE FOR UNREINFORCED FOOTINGS AND FOUNDATION WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AFTER 28 DAYS OF 15 MPa (2200 PSI). * 33 MPa FOR GARAGE FLOORS AND ALL EXTERIOR PLATFOM. * 28 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 20 5/8" (520mm) AND THE HORIZONTAL DISTANCE BETWEEN RISERS SHALL BE NOT LESS THAN 600mm (23.6") (5.15.3.3 O.B.C.). * FOUNDATION WALLS SHALL EXTEND MINIMUM 150mm (5.9") ABOVE GRADE. * UNIT MASONRY WALLS TO BE DAMPROOFED AND PARDED BELOW GRADE WITH MINIMUM 1/4" (6mm) MORTAR PARING AND SHALL BE DAMPROOFED. * 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 (5.15.3.3 O.B.C.). * EXTERIOR FOUNDATION WALLS SHALL BE DRAINAGE BY DRAINAGE TILE OR PIPE LINED AROUND THE EXTERIOR PART OF THE FOUNDATION WALL. THE DRAIN PIPE OR TILE SHALL BE COVERED WITH NO LESS THAN 150mm (5.9") OF CRUSHED STONE OR OTHER COARSE CLEAN GRANULAR MATERIAL (5.14.3 O.B.C.). * REDUCED FOUNDATION WALLS TO ALLOW COARSE CLEAN MAINTAIN LATERAL SUPPORT. THE BRICKS TO MIN. 3.5" (90mm) CONCRETE WITH TIES HAVING A MIN. CROSS SECTIONAL AREA OF NOT LESS THAN 1.78 sq. mm AND NOT LESS THAN A 50mm PORTION BENT AT RIGHT ANGLES AT EACH END (SEE 9.20.3.4 O.B.C. AND SPACED & NOT MORE THAN 200mm O.C. VERTICAL AND 900mm O.C. HORIZONTAL. FILL SPACE BEHIND BRICK WITH MORTAR.

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

CONCRETE SLABS ON GROUND SHALL BE MINIMUM 3" (76mm) 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) MESH LOCATED NEAR BOTTOM 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 FILL BEHIND 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 538.2 SQ. FT. (50 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 CANULC-SB-5, 3/4" VAPOR 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 9.16.2)

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. OR ANY ROOF WHEN AN INTERIOR FINISH IS APPLIED TO ROOF RAFTERS. * REQUIRED VENTS ARE PERMITTED TO BE ROOF TYPE, EAVE 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 9.12.1.2 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. * SILL PLATES NOT LESS THAN 2x8mm 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 7'10" (2341mm) * ANCHOR BOLTS SHALL BE FASTENED TO THE SILL PLATE WITH NUTS AND WASHERS AND SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) IN THE FOUNDATION OR SO DESIGNED THAT THEY MAY BE TIGHTENED WITHOUT 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 VETAL JOIST HANGERS. * HEADER JOISTS SHALL BE DOUBLED WHEN THEY EXCEED 3'11" (1219mm) IN LENGTH. * HEADER JOISTS EXCEEDING 10'8" (3291mm) IN LENGTH SHALL BE DETERMINED BY CALCULATION. * TRIMMER JOISTS SHALL BE DOUBLED WHEN LENGTH OF HEADER JOIST EXCEEDS 2'8" (813mm) * WHEN HEADER JOIST EXCEEDS 6'7" (2006mm) SIZE OF TRIMMER JOISTS SHALL BE DETERMINED BY CALCULATION. * LOAD BEARING 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. * LOAD BEARING INTERIOR WALLS AT RIGHT ANGLES TO FLOOR JOISTS SHALL BE LOCATED NOT MORE THAN 2'11" (660mm) FROM JOIST SUPPORT WHEN THE WALL DOES NOT SUPPORT A FLOOR, AND NOT MORE THAN 2'0" (600mm) FROM THE JOIST SUPPORT WHEN THE WALL SUPPORTS ONE OR MORE FLOORS. UNLESS THE JOIST SIZE IS DESIGNED TO SUPPORT SUCH LOADS. * NON-LOAD BEARING INTERIOR WALLS AT RIGHT ANGLES TO THE FLOOR JOISTS ARE NOT RESTRICTED AS TO LOCATION. * NON-LOAD BEARING 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-LOAD BEARING WALLS SHALL BE NOT LESS THAN 2x4" (50mm x 89mm) LUMBER, SPACED NOT MORE THAN 4'0" (1219mm) APART. * DOUBLE TOP PLATE FOR ALL LOAD BEARING PARTITIONS. * DOUBLE STUDS AT CORNERS AND EACH SIDE OF OPENINGS. * FASTENINGS OF SHEATHING & SUB FLOORING SHALL CONFORM TO 1.9.23.3.5 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 9.23.3.4). AS PER 9.23.3.4 O.B.C. CROSS BRIDGING FOR FLOOR JOISTS TO BE LOCATED NOT MORE THAN 8'11" (2619mm) FROM EACH SUPPORT OR OTHER ROOF OF BRIDGING. * STRAPPING SHALL BE AT LEAST 1x3" (25mm x 89mm) NAILED 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 6" (150mm) 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 RATING TO BE A MINIMUM 50 BETWEEN DWELLING UNITS. * VAPOR BARRIERS SHALL BE INSTALLED TO PROTECT THE ENTIRE SURFACES OF THERMALLY INSULATED WALL, CEILING AND FLOOR ASSEMBLIES. VAPOR 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-A71.18/18) ON 38" (95mm) OR 7/8" (11.1mm) PLYWOOD SHEATHING. * USE 140PSI FOR TRUSSES. * FASTEN SHEATHING & MINIMUM SPACING OF 150mm ALONG EDGES & INTERMEDIATE SUPPORTS. GAVE PROTECTION SHALL BE PROVIDED FROM THE EDGE OF ROOF A MIN. 2'11" (660mm) UP THE ROOF SLOPE TO A LINE NOT LESS THAN 12" (300mm) INSIDE THE INNER FACE OF THE EXTERIOR WALL. GAVE PROTECTION SHALL BE LAD BENEATH THE STARTER STRIP AND SHALL CONSIST OF TYPE M OR TYPE S ROLL ROOFING CONFORMING TO CAN/CSA-A122.2 ASPHALT COATED ROOFING SHEETS (320Z LUMI) FLASHING EXCEPT WHERE THE OMISSION 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 GUARDS THAT ARE CONNECTED TO THE ROOF BY OTHER THAN PICKETS OR POSSES. * 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 OR CHIMNEYS SHALL BE PROTECTED WITH FLASHING (SEE 9.26.4.4 O.B.C.). * THE INTERSECTION OF SHINGLE 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. GAVE PROTECTION SHALL BE PROVIDED ON SHINGLE, SHAKE OR TILE ROOFS, EXTENDING FROM THE EDGE OF THE ROOF A MINIMUM OF 300mm (3'0") UP THE ROOF SLOPE TO A LINE NOT LESS THAN 300mm (1'0") INSIDE THE INNER FACE OF THE EXTERIOR WALL (9.26.5 O.B.C.)

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 CHAINLESS 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 9.32.3 O.B.C. WHERE A ROOM OR SPACE IS NOT PROVIDED WITH NATURAL VENTILATION AS PER 1.9.32.2.1 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 REQUIRED BY SENTENCE 12.2.1.1.2) OR CONFORM TO CHAPTERS 1 & 3 OF MMH 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-A4002, "PENETRATION ENERGY PERFORMANCE" OR NFRC 100, "PROCEDURE OF DETERMINING PENETRATION PRODUCT U-FACTOR" AND NFRC 200, "PROCEDURE FOR DETERMINING PENETRATION 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.

INDOOR TEMPERATURE IN A DWELLING UNIT NOT HEATED BY A SOLID FUEL BURNING APPLIANCE OR GROUND 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 0.62 FOR THE FIRST 2.5m OF HOT WATER OUTLET PIPING & PROVIDE MIN RSI 0.62 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 7.6.4. ON18 (SEE 12.4.1.1)

DRAIN WATER HEAT RECOVERY: -3.1.1.1.12. 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.B.C. 330/12
GAS PROOFING OF GARAGES: CONSTRUCTION BETWEEN ATTACHED OR BUILT-IN GARAGES AND DWELLING UNITS SHALL PROVIDE AN EFFECTIVE BARRIER TO GAS AND EXHAUST FUMES. CEILINGS AND STUD PARTITIONS SHALL HAVE ONE LAYER 1/2" DRYWALL FILLED AND TAPED. FINISHED FLOORING IN BATHROOMS, KITCHENS, PUBLIC ENTRANCE HALLS, LAVATORIES & 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 BACKWATER VALVES SEE 7.4.6.4 PROTECTION FROM BACKFLOW.
FOR INSULATION OF FOUNDATION WALLS AND SLABS WITHIN 800mm OF ADJACENT GROUND LEVEL, REFER TO SB-12 3.1.1.8
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 6.2.4.3 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 9.34.4.3 (5) & (5)

AUG 22 2018



CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 2018
BY
MARK DERKSEN

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2012 CODE

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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

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

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VALGHAUN 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 'W' OR TYPE 'S' ASPHALT COATED ROOFING SHEETS.

210 ASPHALT SHINGLES ON 3/8" PLYWOOD SHEATHING USE 'H' 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

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

1" AIR SPACE

4" FACE BRICK TIED TO STUDS 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

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

SCREENED WEAVING HOLES 3/8" DIA. AT 24" o.c. AT BOTTOM OF CAVITY 6 MIL POLYETHYLENE BASE FLASHING BENEATH WEAVING 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 COVE

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

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"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)

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

FINISHED SLAB

FINISHED FIRST FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

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

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

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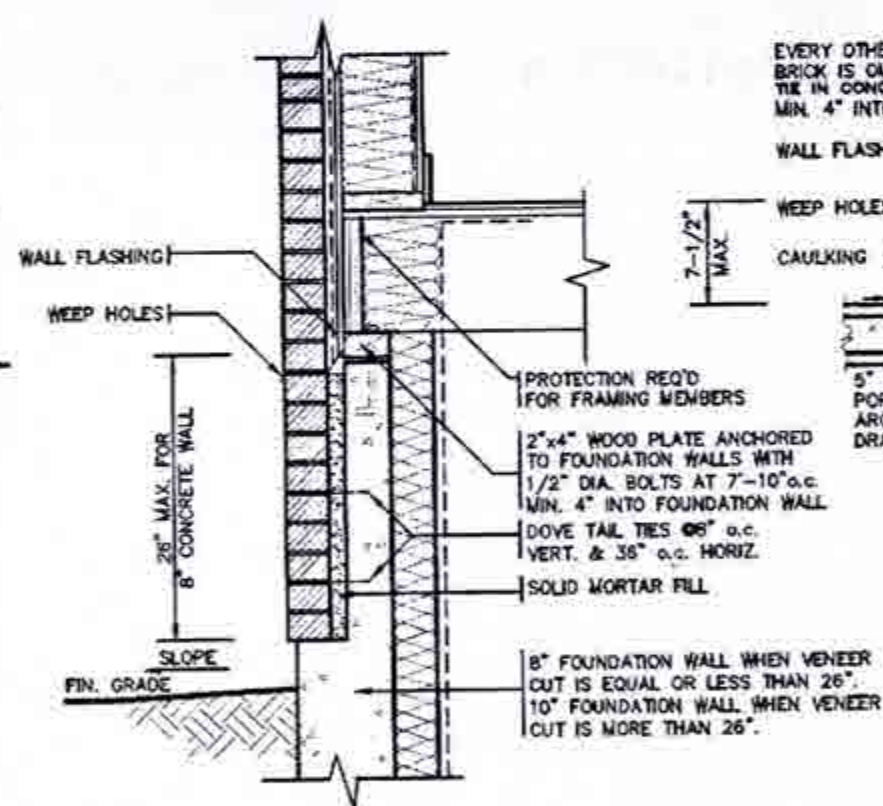
FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

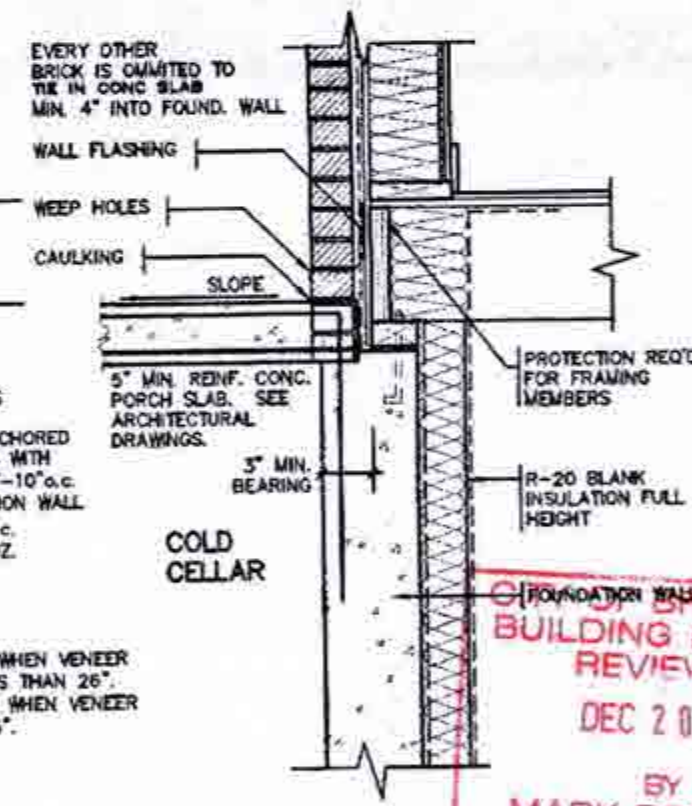
FINISHED SECOND FLOOR

FINISHED SECOND FLOOR

DETAIL FOR INTERIOR GARAGE WALLS & CEILINGS



DETAIL FOR CONCRETE VENEER DROPPED GRADE



DETAIL FOR COLD CELLAR PORCH SLAB

AUG 22 2018

2 STOREY WALL SECTION

2012 CODE

1	AUG 17, 2018	PREPARED TO PACKAGE 'A1' ISSUED TO CLIENT
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1	AUG 17, 2018	PREPARED TO PACKAGE 'A1' ISSUED TO CLIENT
2		
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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 1.2.3 of the Building Code

Walter Botter 21031

NAME SIGNATURE BCIN

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 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" BRICK VENEER
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME T

SCALE AS NOTED

PROJ. NO. 18-24

DWG. NO. 2

STRUDET INC.
REGISTERED PROFESSIONAL ENGINEER
B. MARINKOVIC
PROFESSIONAL ENGINEER
FOR STRUCTURE ONLY

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
NOV 23 2018
HVAC BY
MONIKA CRISAN

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 2018
BY
MARK DERKSEN

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 'N' 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" FASCI BOARD PREFINISHED METAL CUTTER, FASCI 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/ 6 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 6 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 COVE

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

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" (13mm) DRYWALL FINISH OVER CONT. 6 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 CONT. 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

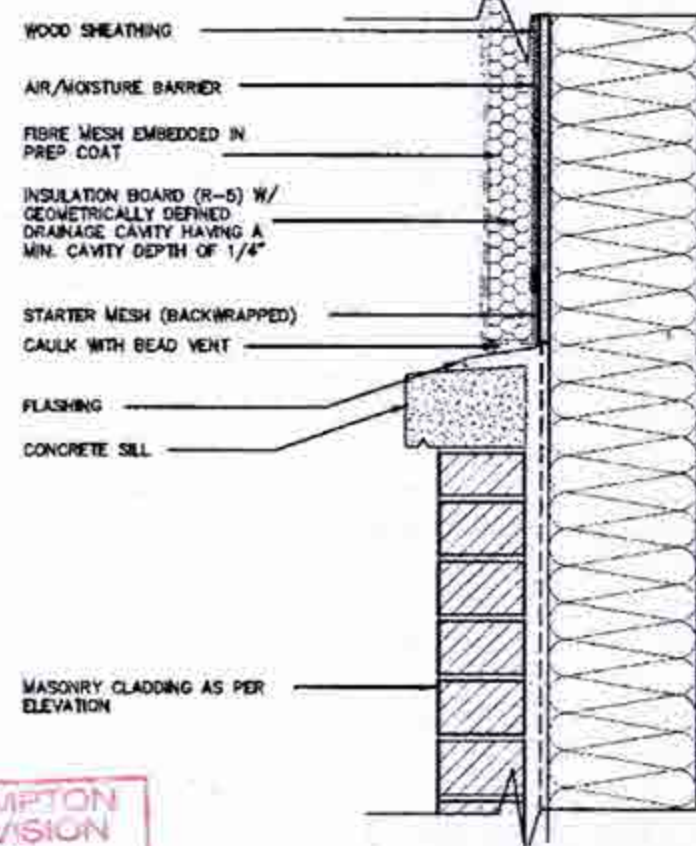
R-20 BLANKET INSULATION DOWN WITHIN 2" MIN. AND 8" MAX. ABOVE FINISH SLAB WITH MOISTURE & VAPOUR BARRIER SEALED AT TOP & BOTTOM

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

CONTINUOUS WATERSTOP (BITUMEN CAULKING)

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

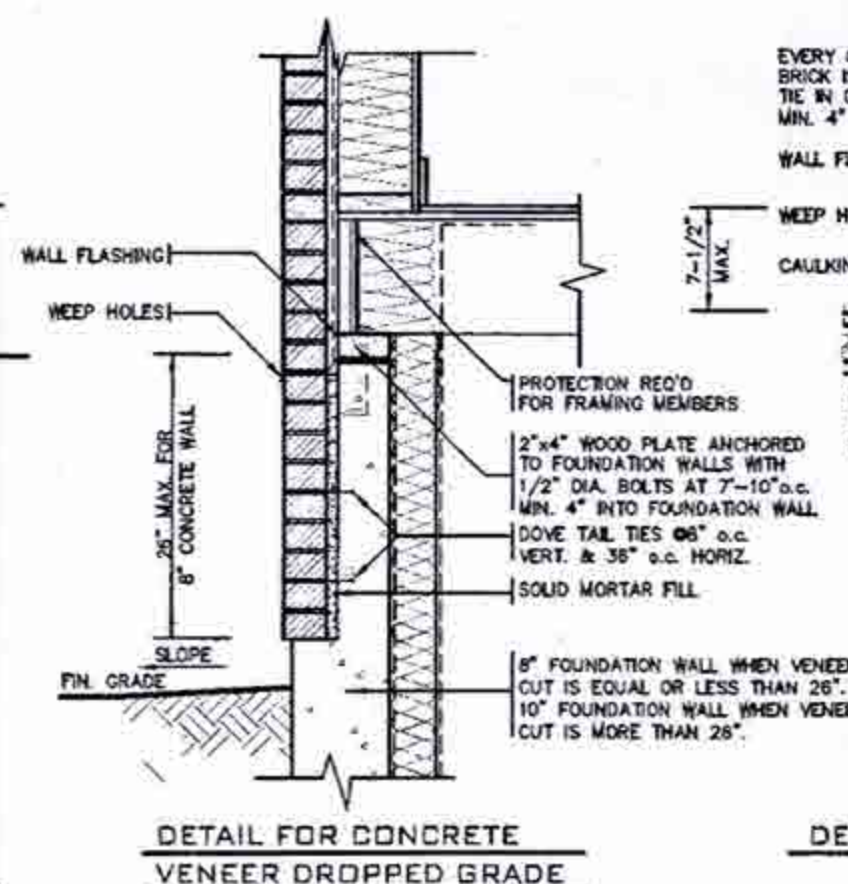
2 STOREY WALL SECTION



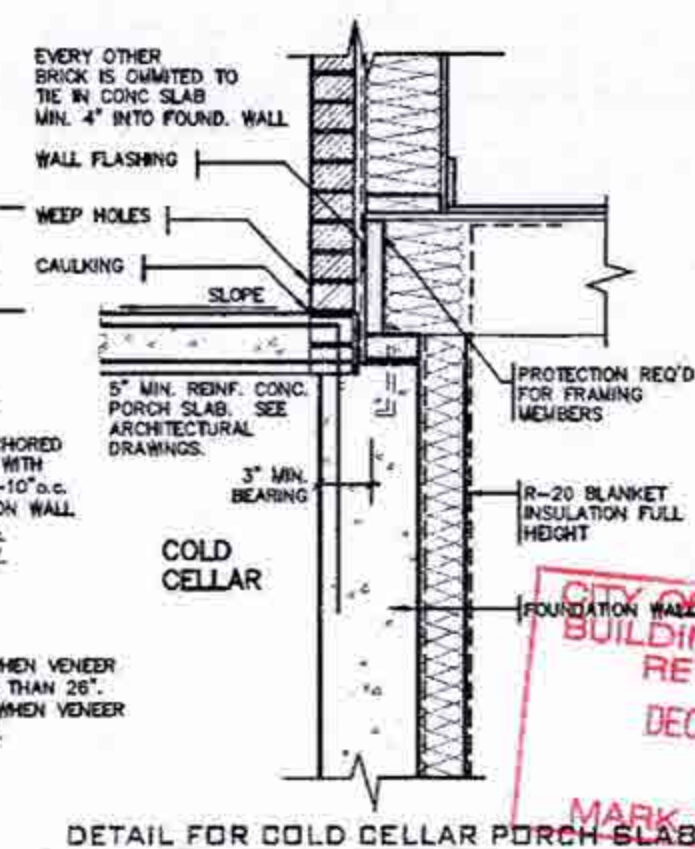
CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
NOV 23 2018
HVAC BY
MONICA CRISAN

A. TERMINATION AT MASONRY
CLADDING WITH SEALANT

1 1/2" = 1'0"



DETAIL FOR CONCRETE
VENEUR DROPPED GRADE



DETAIL FOR COLD CELLAR PORCH SLAB

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 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 DIMENSIONS OR CONDITIONS INFORMATION SHOWN ON THESE DRAWINGS OR FOR CONSTRUCTION DETAILS PRIOR TO THE COMMENCEMENT OF A BUILDING PERMIT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND TO VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH CONSTRUCTION.

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 THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND TO VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH CONSTRUCTION.

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

No.	DATE	WORK DESCRIPTION
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1	AUG 17 2018	PREPARED TO PACKAGE "A" ISSUED TO CLIENT

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 1.2.5 of the Building Code.

Walter Botter 21031
NAME SIGNATURE BCIN

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 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

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 RIM BOARD

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

6" 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

WOOD FRAME PARTY WALL TRUSSES PERPENDICULAR TO PARTY WALL

38x89 (2"x4") STUDS @ 400 O.C. WITH 15.9mm (5/8") TYPE 'X' GYPSUM BOARD ONE LAYER ON EACH SIDE. SUPPLEMENTARY STANDARDS S93, 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 S93 TABLE 1, W/D3A BEARING WALL WITH 2 ROWS OF 2x4 SPR. @ 16" O.C. ON SEPARATE 2x4 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

FLOOR JOISTS PARALLEL

3.5" DIA. STEEL COLUMN
2"x4" SPR. STUDS @ 16" O.C. STAGGERED

1/2" DRYWALL @ STUD CONCEALING STL. COL.
1 LAYER 5/8" TYPE 'X' GYPSUM WALL BOARD

PLAN OF PARTY WALL IN GARAGE

AUG 22 2018

PARTY WALL PLAN SECTION

2012 CODE

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.

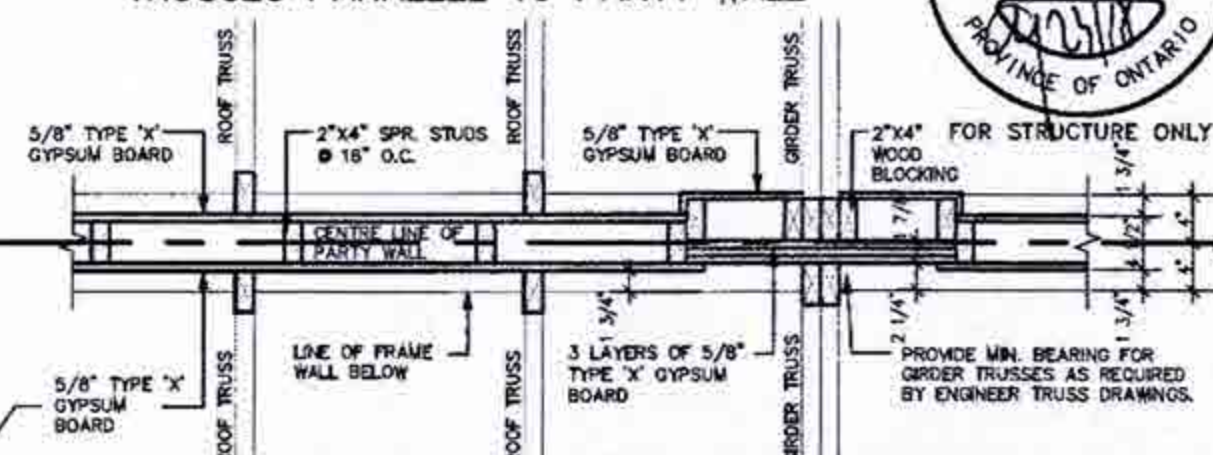
5/8" TYPE 'X' GYPSUM WALL BOARD

TOP OF PLATE

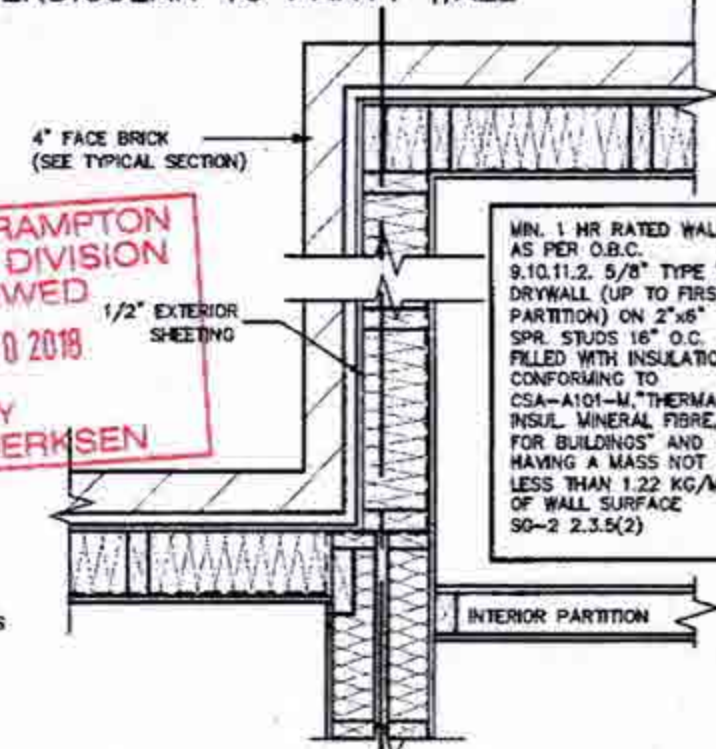
2 LAYERS OF 1/2" GYPSUM WALL BOARD FOR FIRE-STOPPING CONTINUOUS

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



CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 2 0 2018
BY
MARK DERKSEN

MIN. 1 HR. RATED WALL AS PER O.B.C. 9.10.11.2. 5/8" TYPE 'X' DRYWALL (UP TO FIRST PARTITION) ON 2"x6" SPR. STUDS 16" O.C. FILLED WITH INSULATION CONFORMING TO CSA-A101-M "THERMAL INSUL. MINERAL FIBRE, FOR BUILDINGS" AND HAVING A MASS NOT LESS THAN 1.22 KG/M2 OF WALL SURFACE SQ-2 2.3.5(2)

THE CONTRACTOR SHALL 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 STRUCTURAL OR ENGINEERING INFORMATION SHOWN ON THESE DRAWINGS OR FOR CONSTRUCTION STARTED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. REFER TO THE APPROPRIATE ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK.
AS CONSTRUCTION PROGRESSES, ALL WORK MUST BE VERIFIED PRIOR TO POURING FOOTINGS.
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 CONTRACTOR OR SUBCONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
THE DRAWING IS INSTRUMENT OF SERVICE IS PROVIDED BY AND IS THE PROPERTY OF JARDIN DESIGN GROUP INC. THE DRAWING IS NOT TO BE REPRODUCED.

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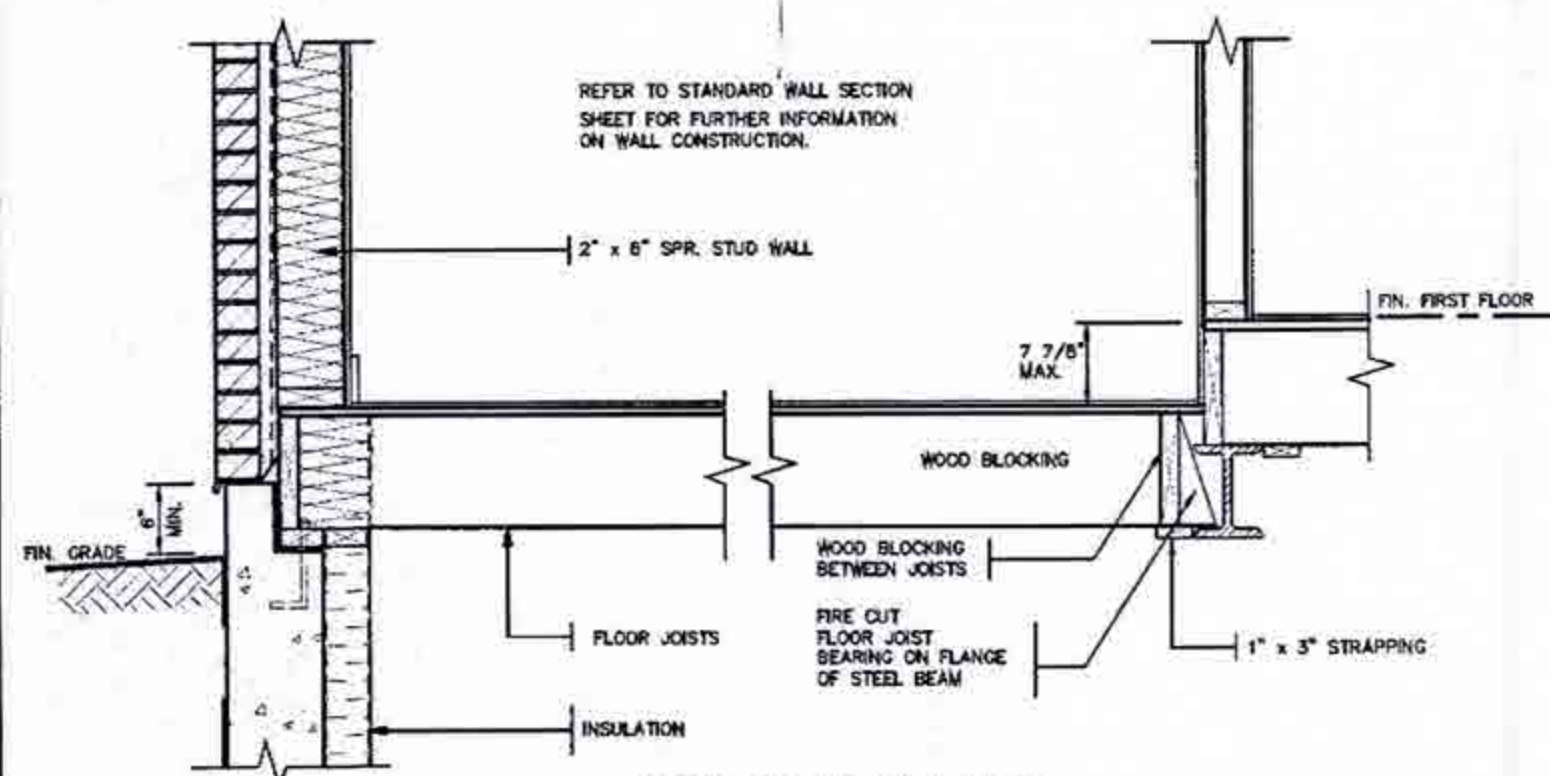
The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.
QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 1.2.3 of the Building Code.
Walter Bolter 21037
NAME SIGNATURE BCIN
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 BCIN

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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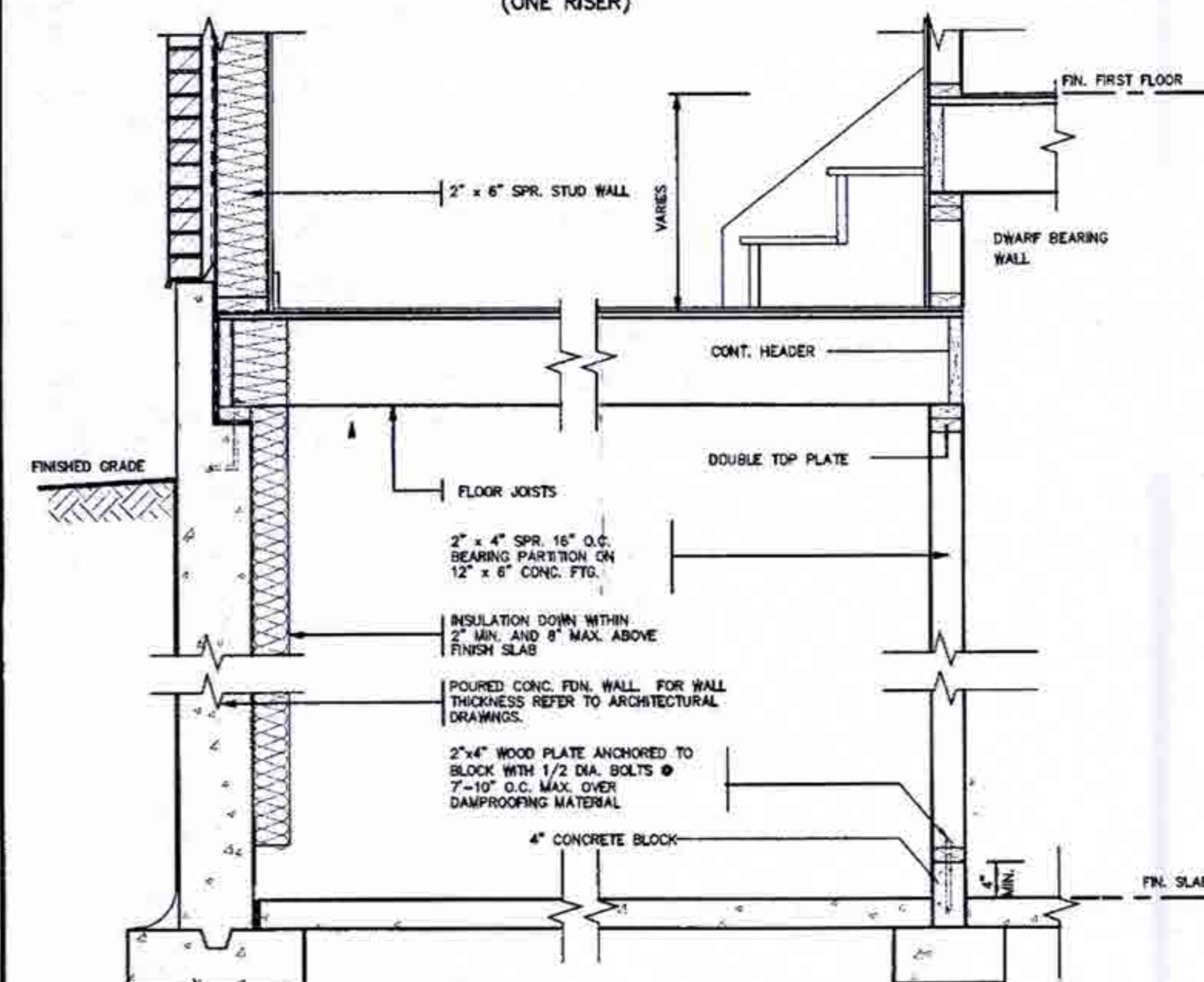
WOOD PARTY WALL
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
I
SCALE: 3/4"=1'-0"
PROJ. No. 18-24
DWG. No. 4

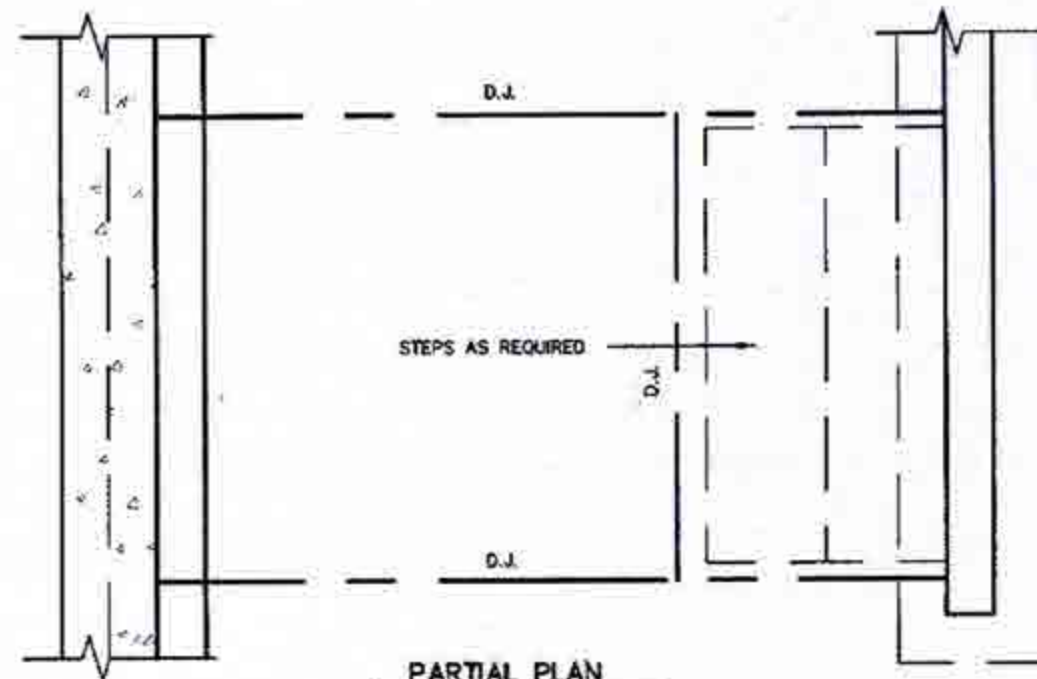
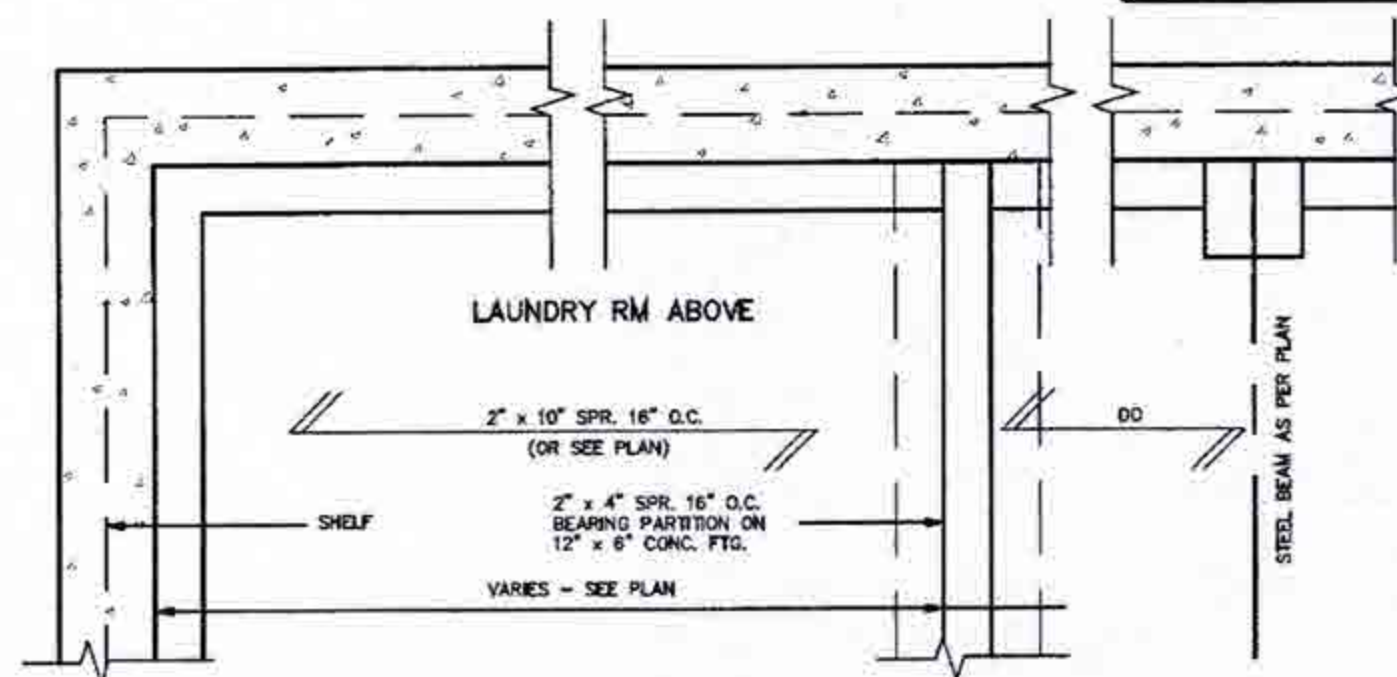
2012
PACKAGE 'A1'



DETAIL OF SUNKEN LAUNDRY
(ONE RISER)



DETAIL OF SUNKEN LAUNDRY
(MORE THAN ONE RISER)



PARTIAL PLAN

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 2018
BY
MARK DERKSEN



FOR STRUCTURE ONLY

AUG 22 2018

2012 CODE

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No.	DATE	WORK DESCRIPTION

DRAWN BY: JARDIN DESIGN GROUP INC. 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 3.2.5 of the building code.

Walter Botter *Walter Botter* 21031
NAME SIGNATURE BCIN

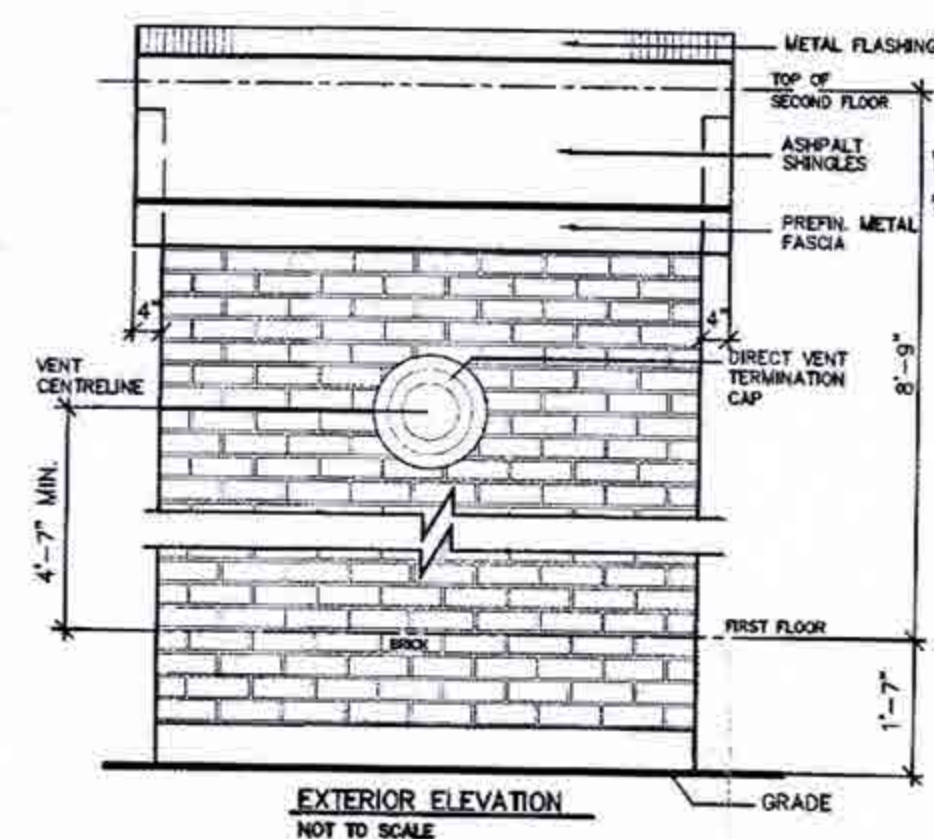
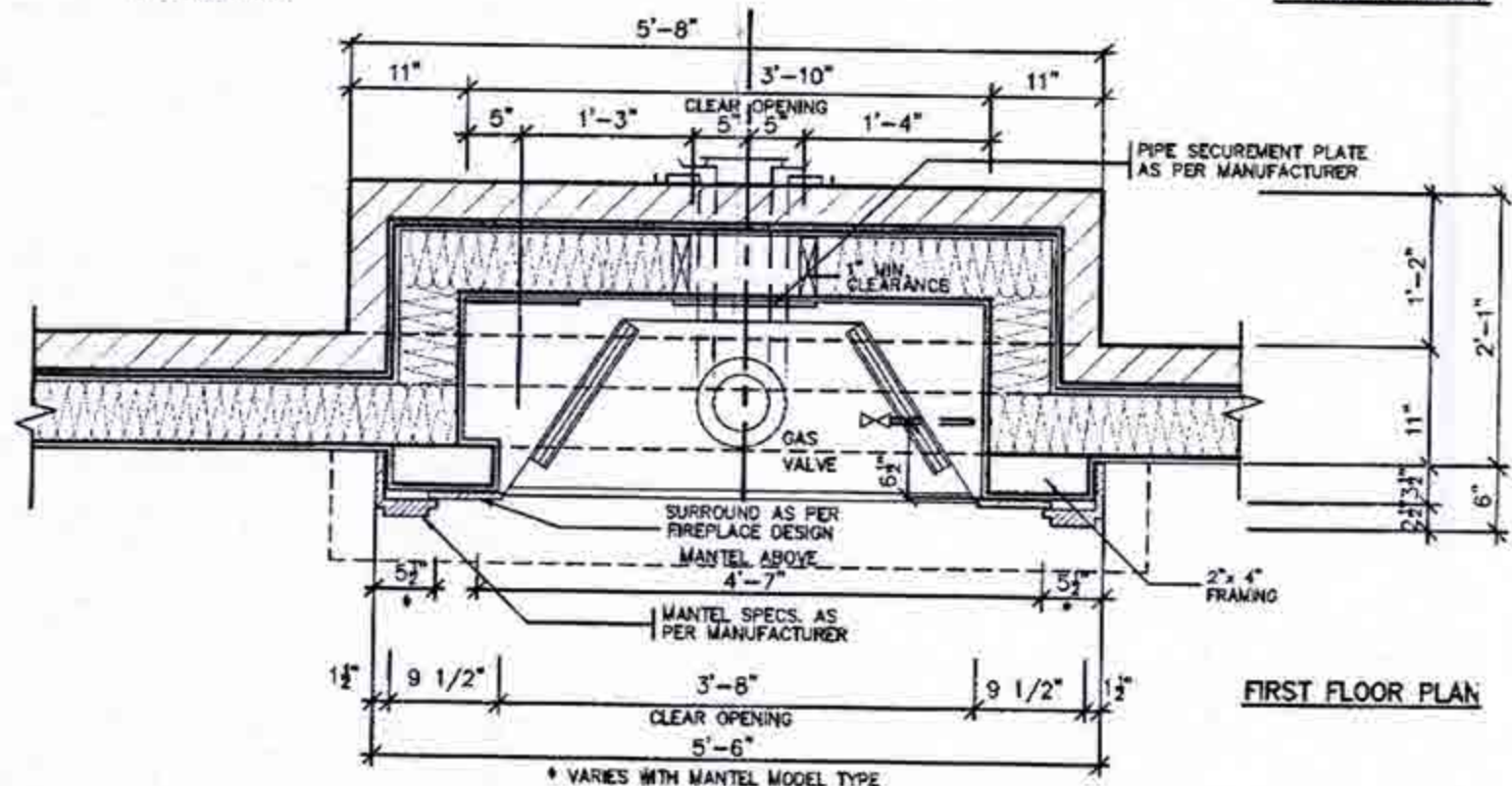
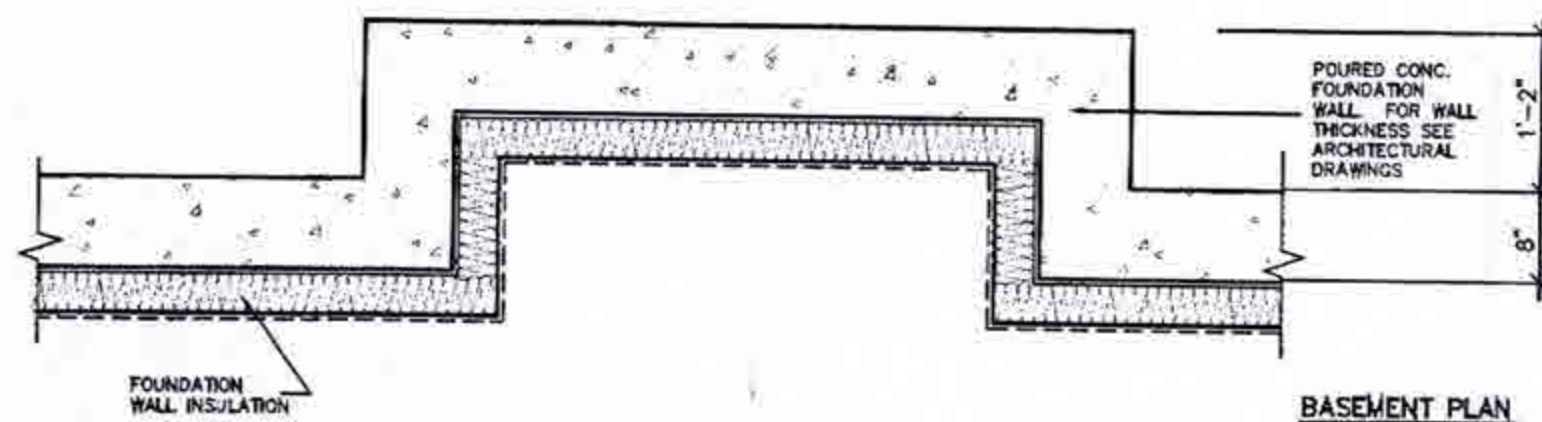
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the building code.

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

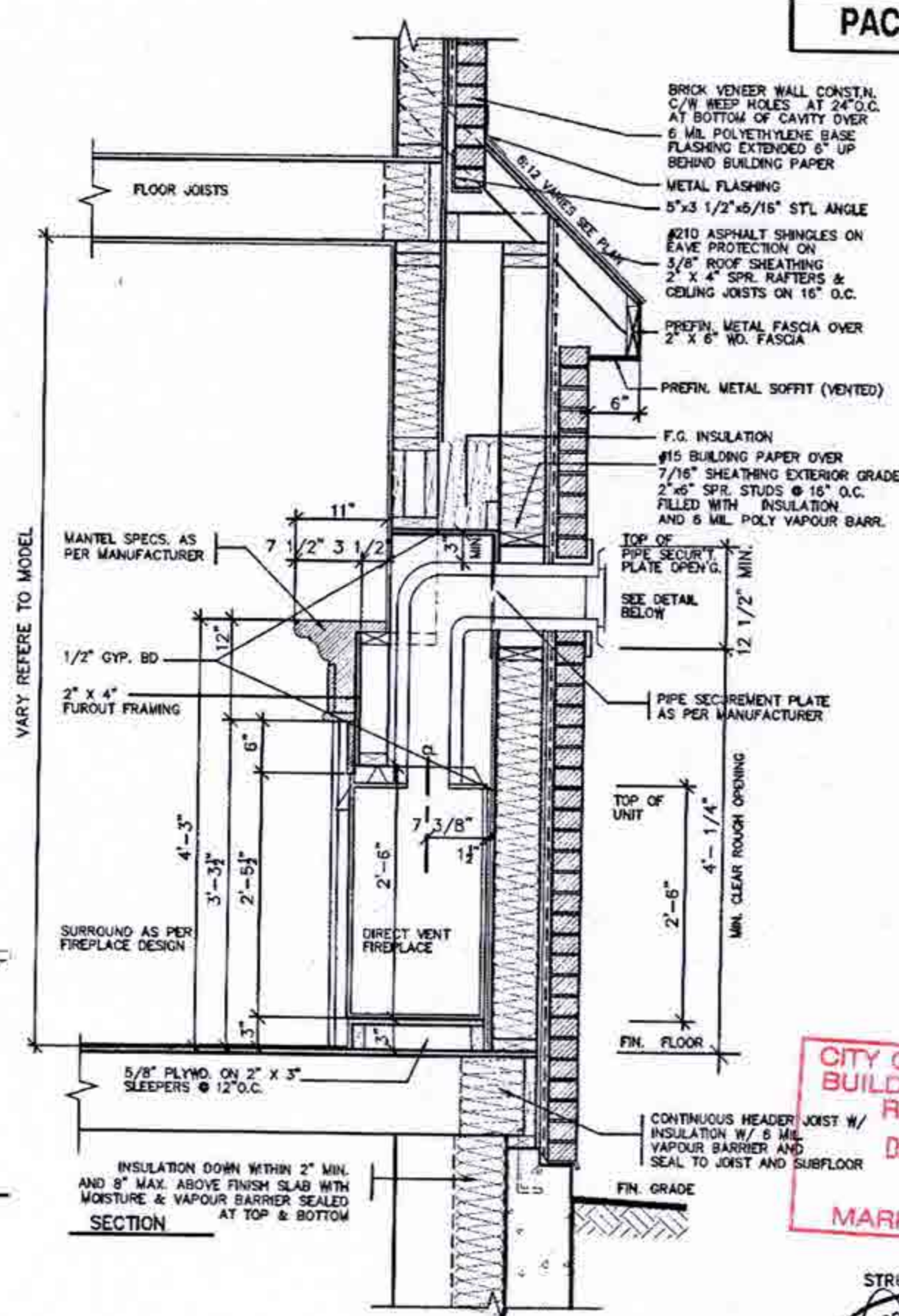
SUNKEN LAUNDRY
MINNISALE HOME CORP.
CITY OF BRAMPTON

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



GENERAL INSTALLATION NOTES

- 1.0 UNIT INSTALLATION TO STRICTLY CONFORM TO MANUFACTURER'S INSTALLATION MANUAL AND ALL APPLICABLE CODES OF LOCAL AUTHORITIES HAVING JURISDICTION INCLUDING CAN/CGA-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.



CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 2 0 2018
BY
MARK DERKSEN



AUG 2 2 2018

FOR STRUCTURE ONLY

2012 CODE

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1	AUG 17, 2018	PREPARED TO PACKAGE 'A1' ISSUED TO CLIENT
DATE	WORK DESCRIPTION	

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

Engined and design is exempt under Division C, Subsection 1.2.5 of the Building Code

Walter Botter *Walter Botter* 21037

NAME SIGNATURE BCIN

REGISTRATION INFORMATION

Engined and 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 DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

DIRECT VENT FIREPLACE

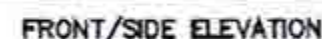
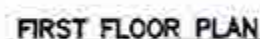
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
T

SCALE
3/4" = 1'-0"

PRCL No.
18-24

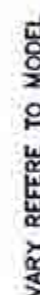
DRG. No.
6



HOT TO SCALE

GENERAL INSTALLATION NOTES

- 1.0 UNIT INSTALLATION TO STRICTLY CONFORM TO MANUFACTURER'S INSTALLATION MANUAL AND ALL APPLICABLE CODES OF LOCAL AUTHORITIES HAVING JURISDICTION INCLUDING CAN/CGA-114-B1 & 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
- 3.0 THE DIRECT MODEL ILLUSTRATED IS THE GC150 MODEL AS MANUFACTURED BY HEATILATOR.
- 4.0 THE WANTED ILLUSTRATED IS THE S-2 GB AS SUPPLIED BY GREATER TORONTO FIREPLACE.



SECTION

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

AUG 22 2018

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 2018
BY
MARK DERKSEN



FOR STRUCTURE ONLY

2012 CODE

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1	AUG 17 2018	PREPARED TO PACKAGE WAY ISSUED TO CLIENT
Mo:	DATE:	WEEK DESCRIPTION:

TRAINING BY	TRAINING 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 3.2.4 of the building code.

Walter Botter	<i>Walter Botter</i>	2103
NAME	SIGNATURE	BCR

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

jardin design group inc.	2776
FIRM NAME	BCR

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

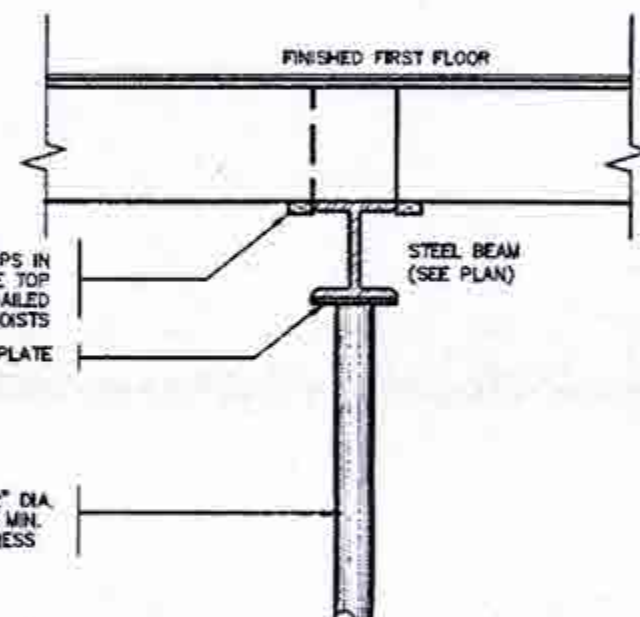
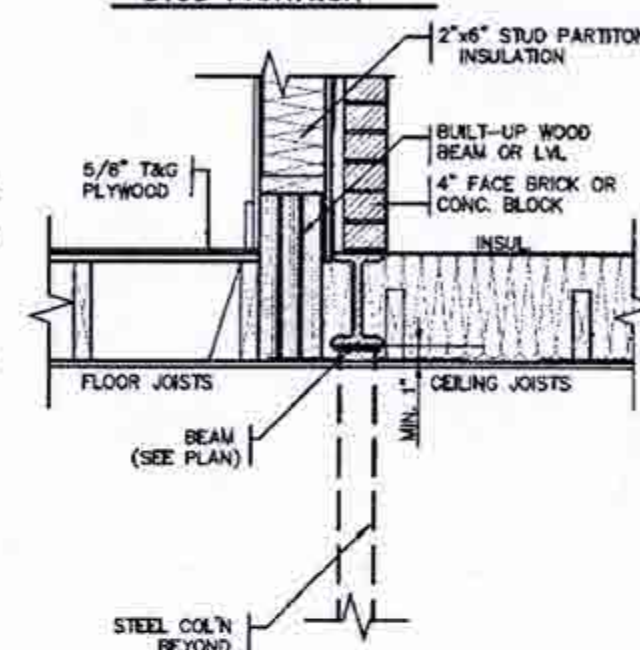
DIRECT VENT FIREPLACE
WITH BRICK CAP
MINNISALE HOME CORP.
CITY OF BRAMPTON



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



DETAIL OF STEEL BASEMENT COLUMN

WEeping HOLES 3/8" DIA. @ 24" O.C.
AT BOTTOM OF CAVITY, 6 MIL.
POLYETHYLENE BASE FLASHING
BENEATH WEPEHOLES AND 6" UP
AND BEHIND WALL SHEATHING PAPER
COUNTER FLASHING EMBEDDED 1" MIN.
INTO MASONRY AND NOT LESS THAN
6" DOWN MASONRY COUNTER FLASHING
TO LAP MIN. 4" OVER LOWER FLASHING

SEE PLAN FOR ROOF SLOPE

2"x6" BOTTOM PLATE
ANCHOR TO SUBFLOOR
(MECH. FASTEN WOOD
PLATE TO STEEL BEAM)

CEILING JOIST (SEE PLAN)

TOP OF WOOD PLATE

8'-1" UNLESS OTHERWISE SHOWN

1"x2" WOOD STRIPS IN
CONTACT WITH THE TOP
OF FLANGE & NAILED
TO THE BOTTOM OF JOISTS

3 1/2" DIA.
STEEL PIPE COLUMN MIN.
0.188" WALL THICKNESS

FIN. FIRST FLOOR

6"x6"x3/8" MIN.
BASE PLATE

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

AUG 22 2018

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 29 2018
BY
MARK DERKSEN

RAFTER TIED TO STUD

ROOF RAFTER

DRAFTSTOP
INSULATION

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

WOOD BLOCKING @
174 POINTS

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

2" x 6" SPR. STUDS 16" O.C.
FILLED WITH INSULATION
AND VAPOUR BARRIER

10" x 1/4" STEEL PLATE
WELDED TO TOP OF BEAM
WHERE SUPPORTING BRICK
VENEEER WALL

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

STEEL BEAM (SEE PLAN)

4"x4"x1/4" MIN. TOP PLATE

DOUBLE STUDS ON
BOTH SIDES OF 3 - 1/2" DIA.
STEEL PIPE COLUMN
ANCHORED WITH 2
STEEL STRAPS 1 1/2" x 3/16"
(WELDED TO COLUMN AND
NAILED TO STUDS)

FLOOR JOIST (SEE PLAN)

4"x4"x1/4" MIN. BOTTOM PLATE

FINISHED GRADE

10"x4"x1/2" BASE PLATE
ANCHORED WITH 2 BOLTS
1/2" DIA., 12" LONG AND
2" HOOK

SECTION

ELEVATION

SECTION A-A

FOAM INSULATION

STEEL STRAP

LINE OF FOUNDATION WALL

FIN. SECOND FLOOR

FIN. FIRST FLOOR

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

STRODET INC.



FOR STRUCTURE ONLY

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND
CONDITIONS ON SITE BEFORE PROCEEDING WITH CONSTRUCTION.
THE DESIGNER SHALL BE RESPONSIBLE TO JARDIN DESIGN GROUP
INC. PRIOR TO COMMENCEMENT OF WORK.
JARDIN DESIGN GROUP INC. IS NOT RESPONSIBLE FOR THE ACCURACY
OF SURVEY, STRUCTURAL OR GEOTECHNICAL INFORMATION SHOWN ON
THESE DRAWINGS OR FOR CONSTRUCTION STARTED PRIOR TO THE
ISSUANCE OF A BUILDING PERMIT. REFUSE TO SIGN APPROPRIATE
ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK.
AS CONSTRUCTED PERMITS MUST BE VERIFIED PRIOR TO YOUR
PROCEEDING.
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 CONTRACTOR OR SUB CONTRACTOR TO
CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT
DOCUMENTS.
THIS DRAWING IS AN INSTRUMENT OF SERVICE. IT IS PROVIDED BY AND IS
THE PROPERTY OF JARDIN DESIGN GROUP INC. THIS DRAWING IS NOT
TO BE REPRODUCED.

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1	AUG. 17, 2018	PREPARED TO PACKAGE SET ISSUED TO CLIENT
	DATE	WORK DESCRIPTION

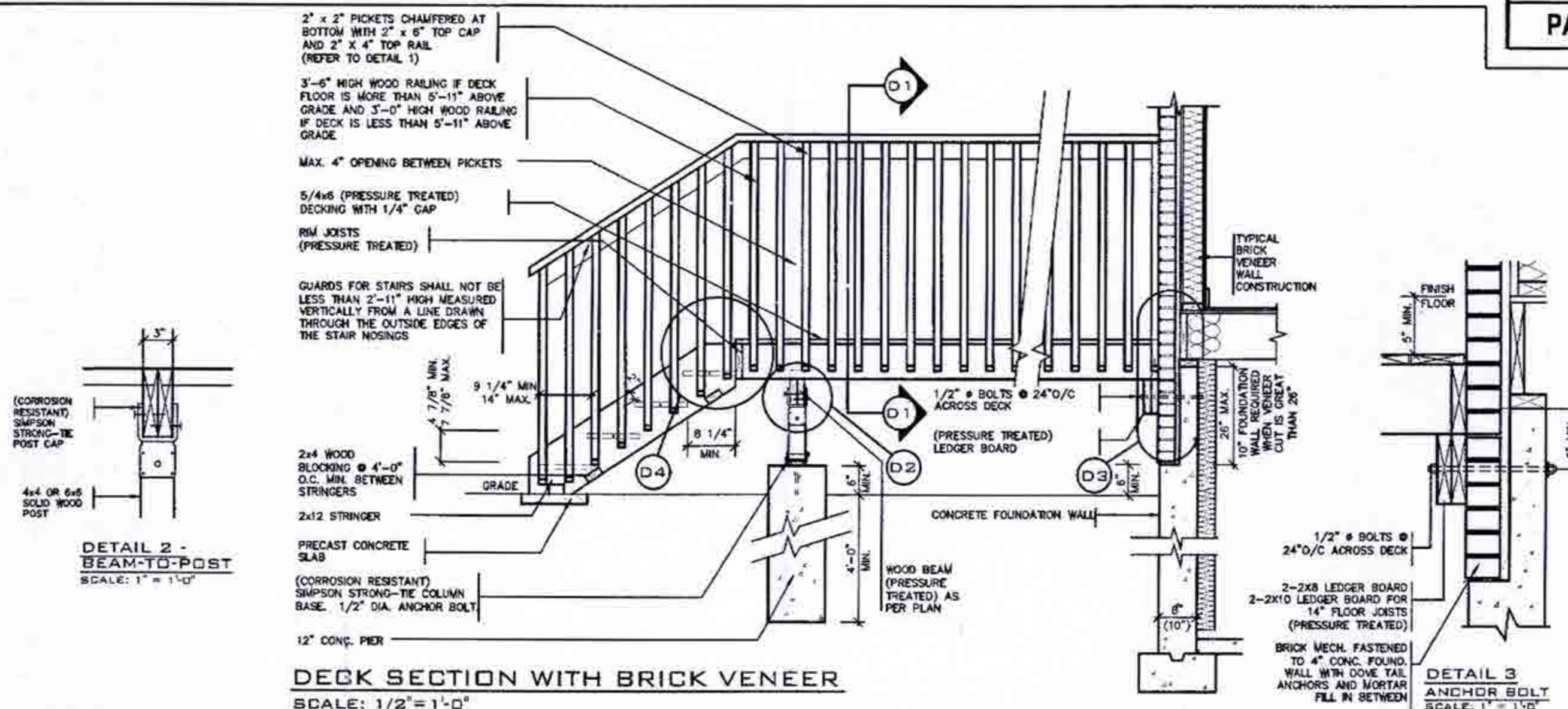
DRAWN BY: [blank] DRAFTING NAME: GENERAL NOTES

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
2.2.5 of the building code.
Walter Botter 21037
NAME SIGNATURE BCIN
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection
2.2.4 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

ST. COLUMN DETAILS
MINNISALE HOME CORP.
CITY OF BRAMPTON

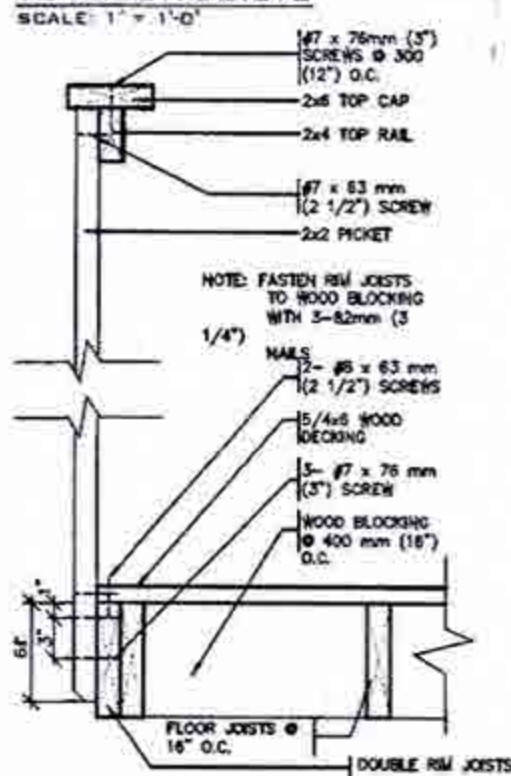
MODEL NAME
SCALE
3/4" = 1'-0"
PROJ. NO.
18-24
SHEET NO.
7



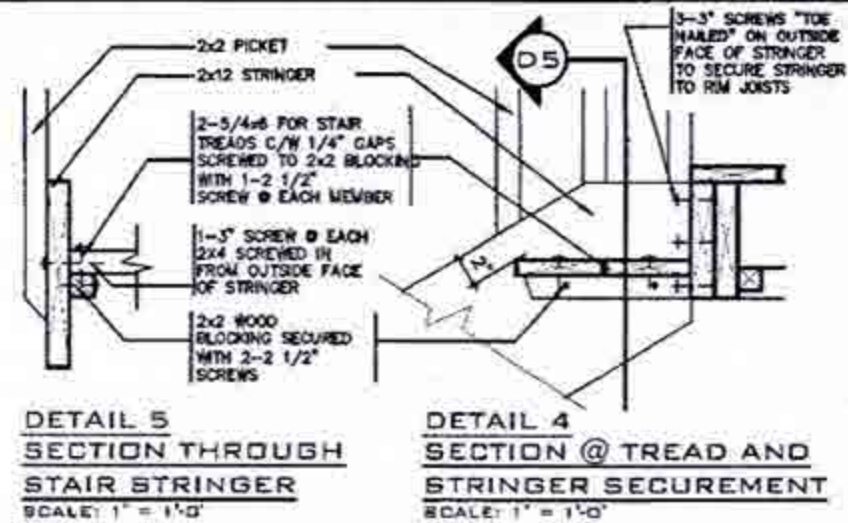
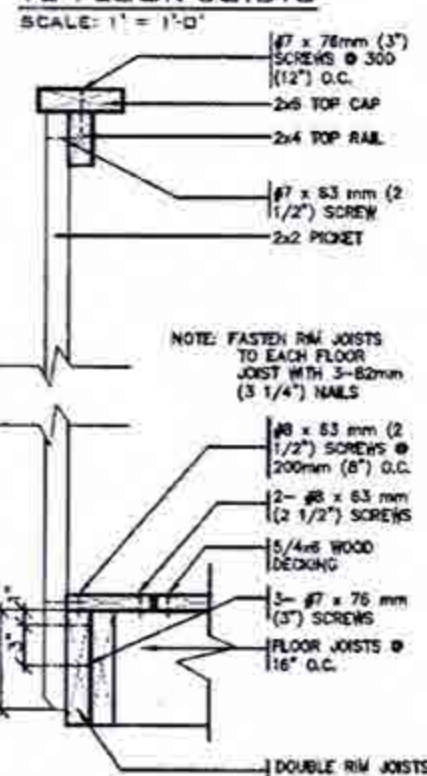
DETAIL 1

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

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

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 2018
BY
MARK DERKSEN

AUG 22 2018



2012 CODE

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

DESIGNED BY: [blank] 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 1.1.5 of the building code.

Walter Bolter 21037
NAME SIGNATURE BCIN

REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 1.1.4 of the building code.

jardin design group inc. 27763
FIRM NAME BCIN

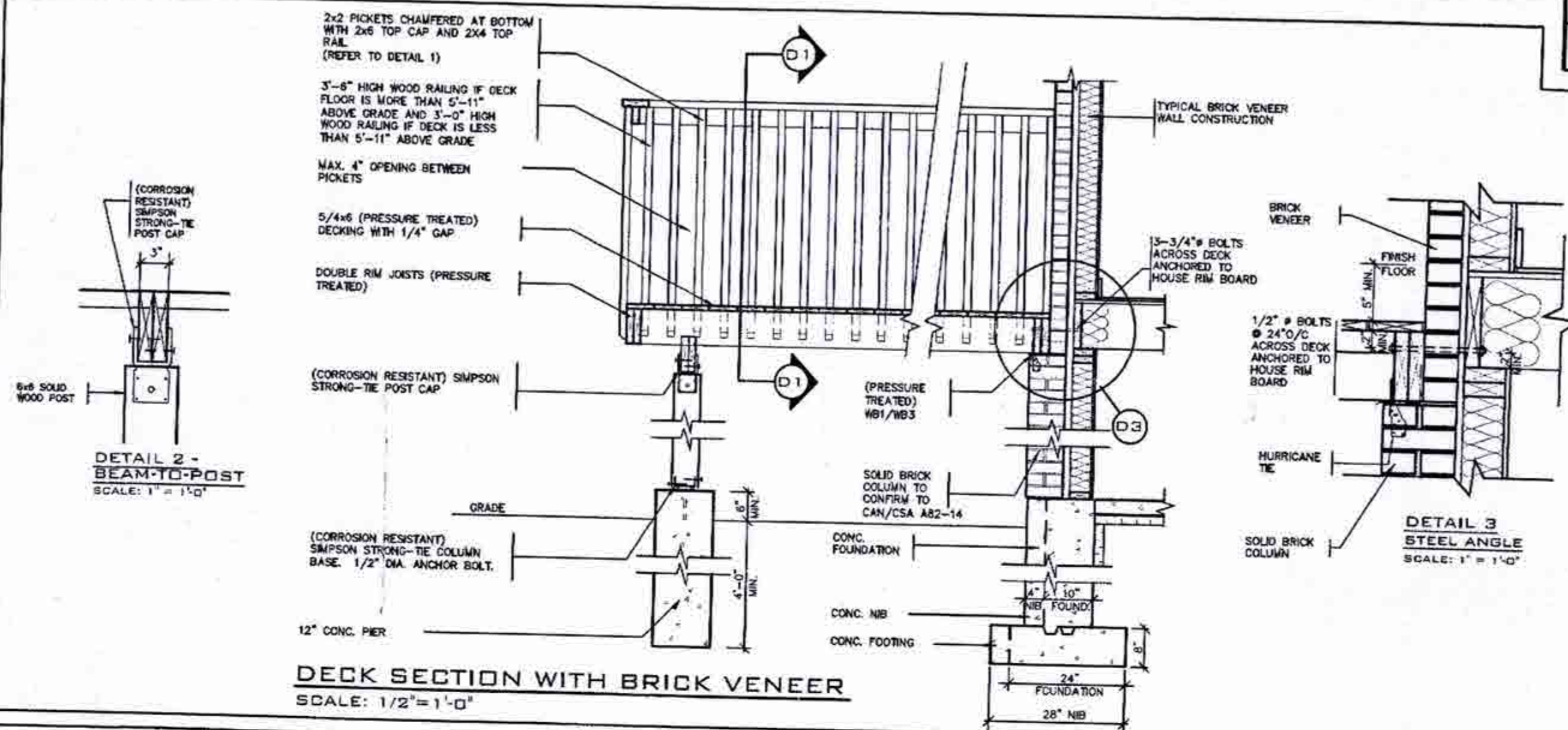
jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

WOOD DECK DETAIL
MINNISALE HOME CORP.
CITY OF BRAMPTON

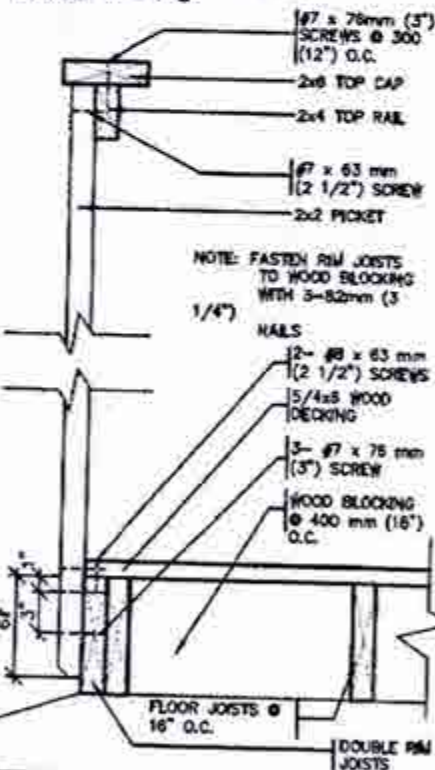
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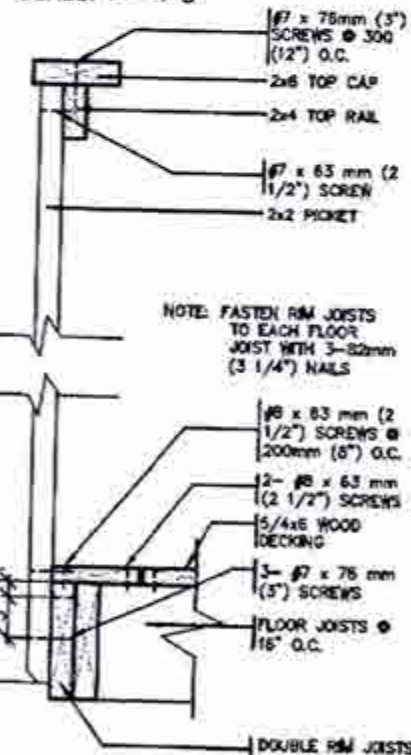
PROJ. No. 18-24
DWG. No. 8



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



DETAIL 2
CANTILEVERED PICKET SCREWED TO RIM JOIST AND DECK
GUARD PERPENDICULAR TO FLOOR JOISTS
SCALE: 1" = 1'-0"



GENERAL NOTES

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

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 2 0 2018
BY
MARK DERKSEN



AUG 22 2018

2012 CODE

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

DRAWN BY: JARDIN DESIGN GROUP INC.

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 covered under Division C, Subsection 1.2.3 of the Building Code.

Waller Butler *WBe* 21031
NAME SIGNATURE BCIN

REGISTRATION INFORMATION
Required unless design is covered 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 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

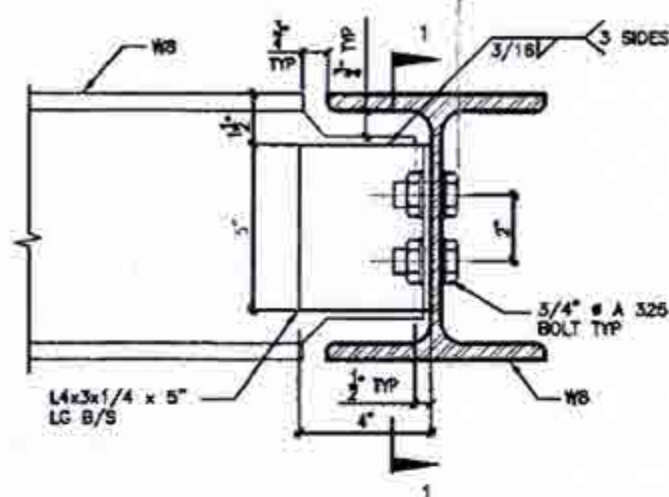
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SCALE
AS SHOWN

PROJ. NO.
18-24

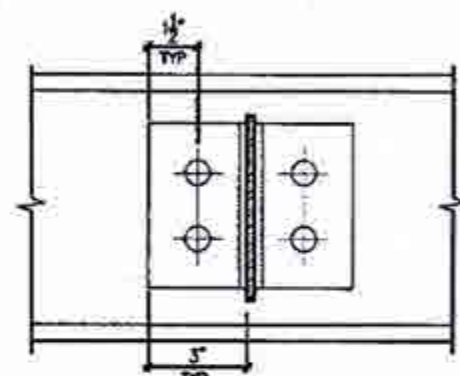
DWG. NO.
8-1

2012
PACKAGE 'A1'

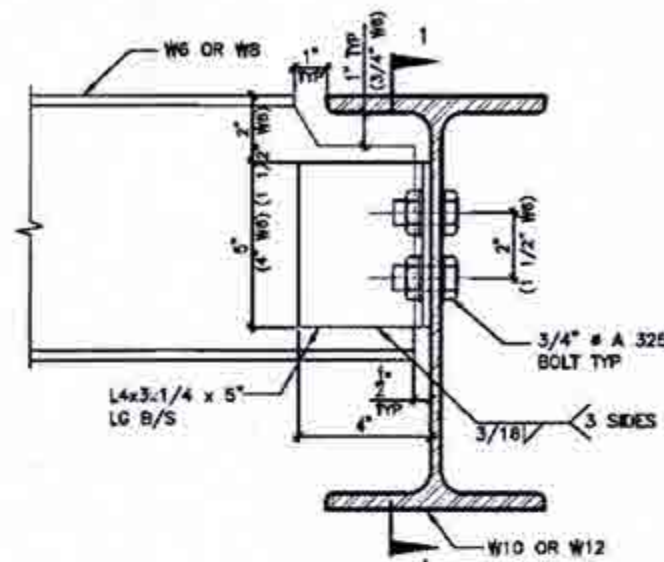


DETAIL 1.

W8
TO
W8
CONNECTION

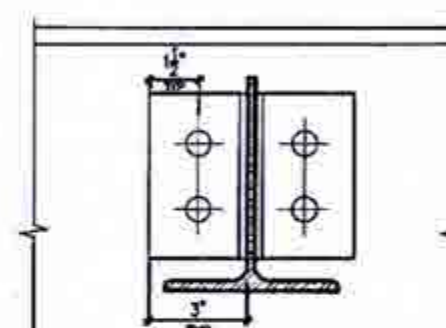


SECTION 1-1

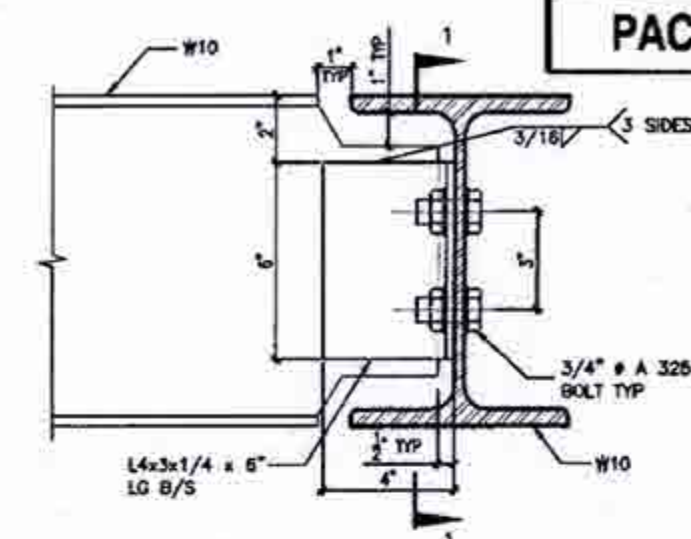


DETAIL 2.

W6(W8)
TO
W10(W12)
CONNECTION

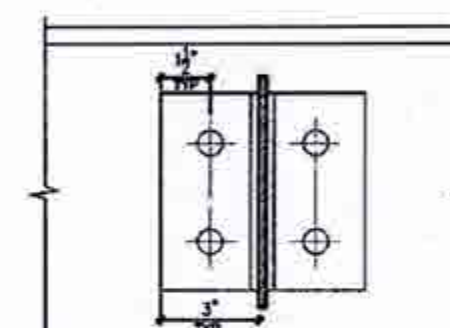


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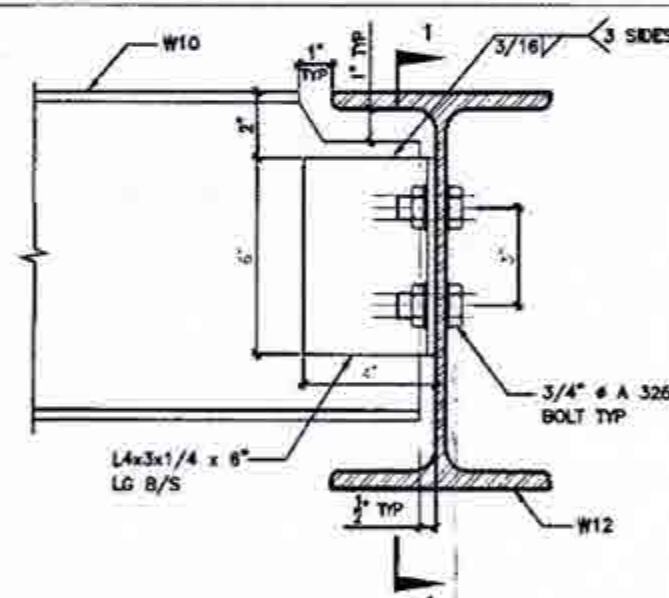


DETAIL 3.

W10
TO
W10
CONNECTION

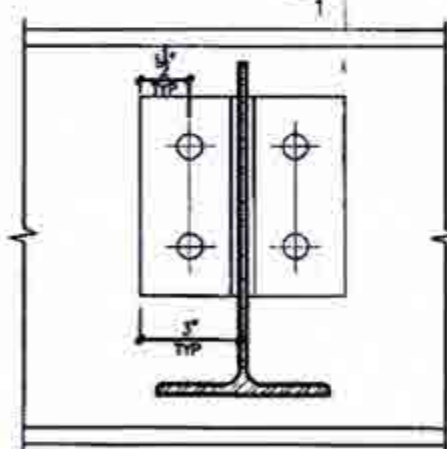


SECTION 1-1

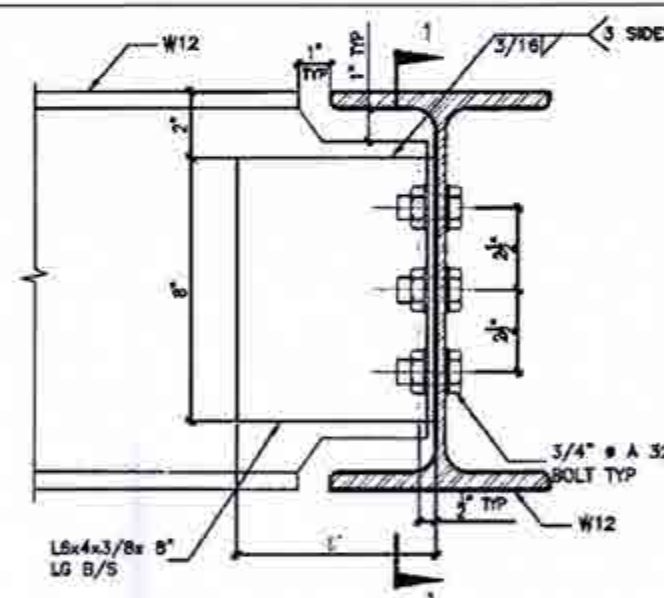


DETAIL 4.

W10
TO
W12
CONNECTION

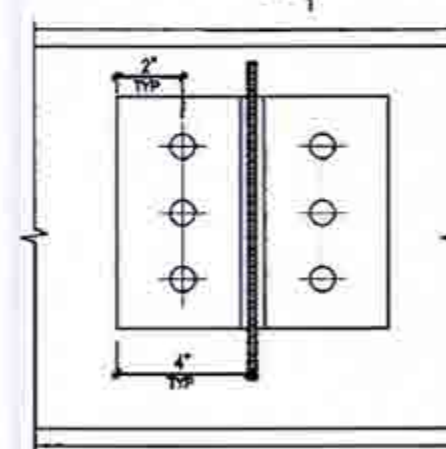


SECTION 1-1



DETAIL 5.

W12
TO
W12
CONNECTION



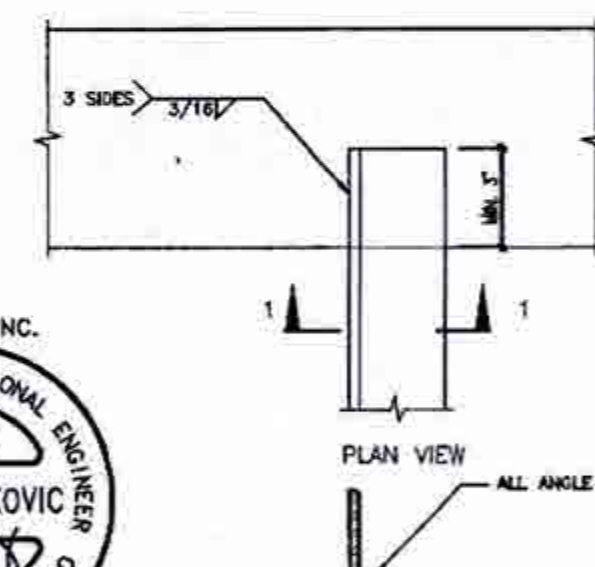
SECTION 1-1



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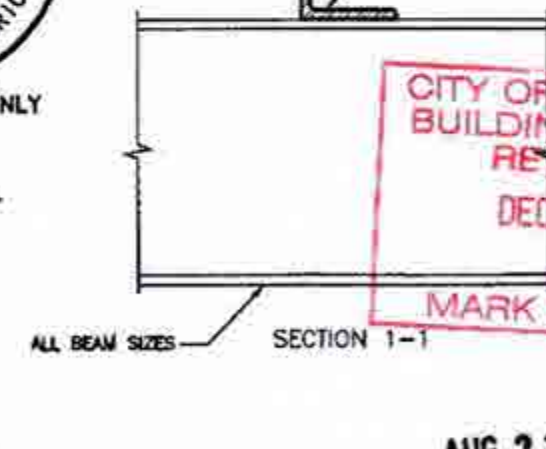
DETAIL 6.

ANGLE
TO
BEAM
CONNECTION



PLAN VIEW

ALL ANGLE SIZES



SECTION 1-1

ALL BEAM SIZES

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 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 SURVEY, SPECIFIC, OR ENGINEERING INFORMATION SHOWN ON THESE DRAWINGS OR FOR CONSTRUCTION STARTED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. REFER TO THE APPROPRIATE ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK.
ALL CONSTRUCTED DETAILS MUST BE VERIFIED PRIOR TO POURING FOOTINGS.
JARDIN DESIGN GROUP INC. HAS NOT BEEN RETAINED TO CARRY OUT GENERAL REVIEW OF THE WORK. NO ASSUMES NO RESPONSIBILITY FOR THE FAILURE OF THE CONTRACTOR OR SUB-CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
THIS DRAWING IS AN INSTRUMENT 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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No.	DATE	WORK DESCRIPTION:

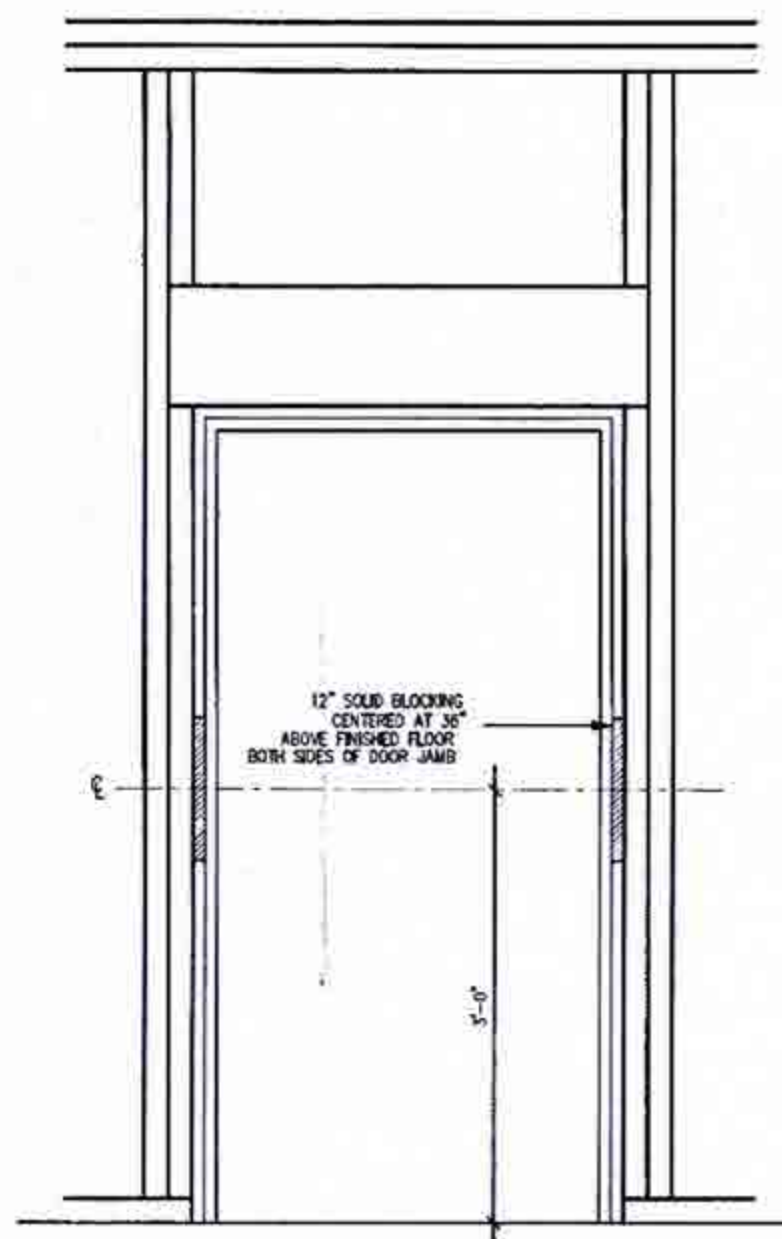
DRAWN BY: [] DRAWING NAME: GENERAL NOTES

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 2.2.3 of the Building Code.
Waiter Botter 27031
NAME SIGNATURE BCIN
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 2.2.4 of the Building Code.
jardin design group inc. 27763
FIRM NAME BCIN

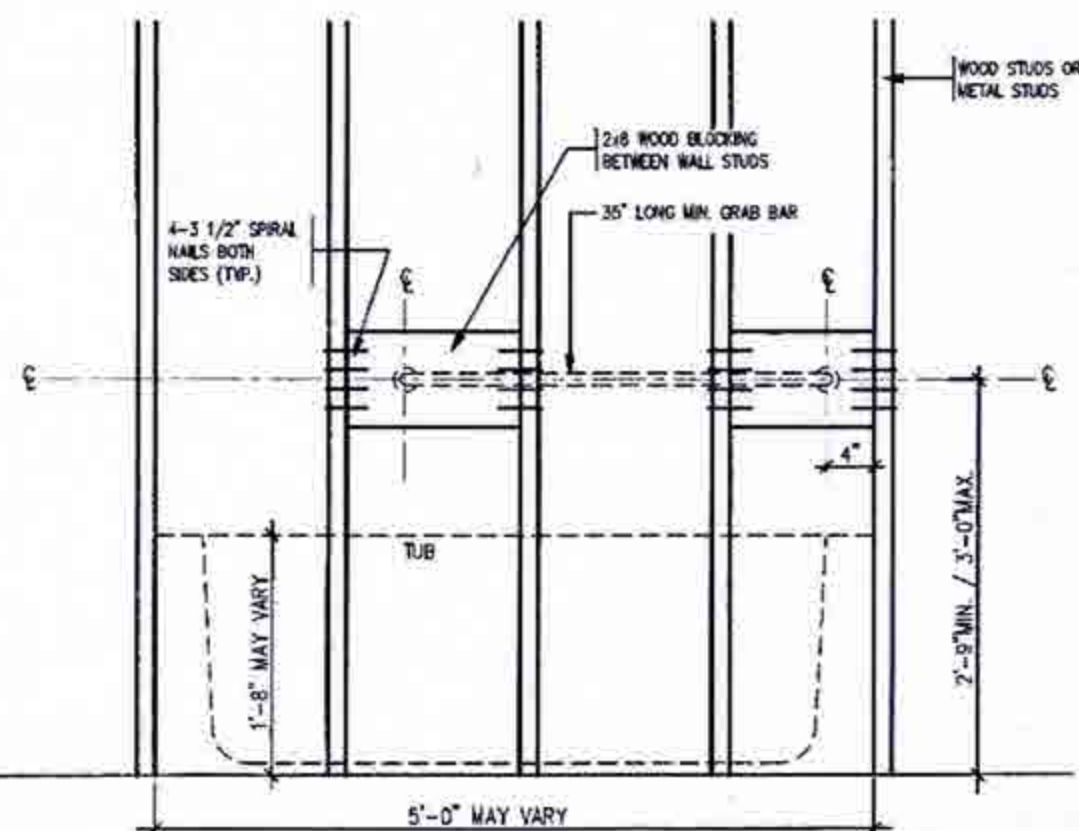
jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

STEEL BEAM DETAILS
MINNISALE HOME CORP.
CITY OF BRAMPTON

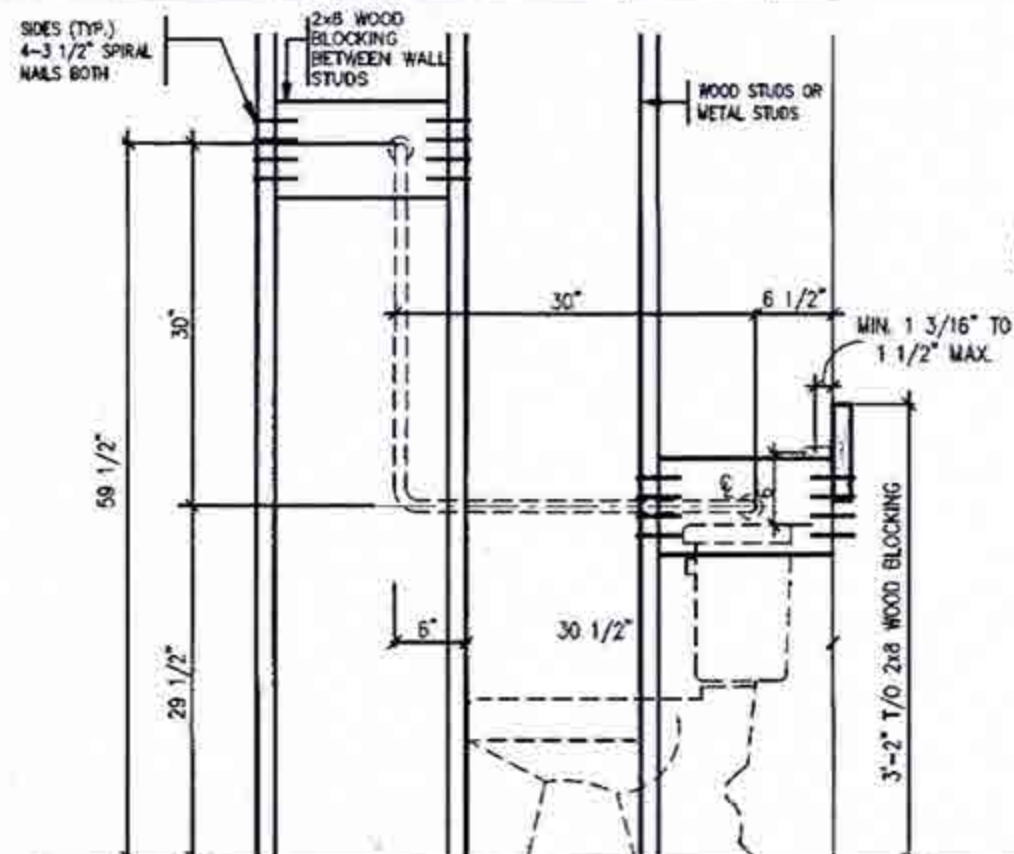
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SCALE	N.T.S.
PROJ. No.	18-24
DWG. No.	9



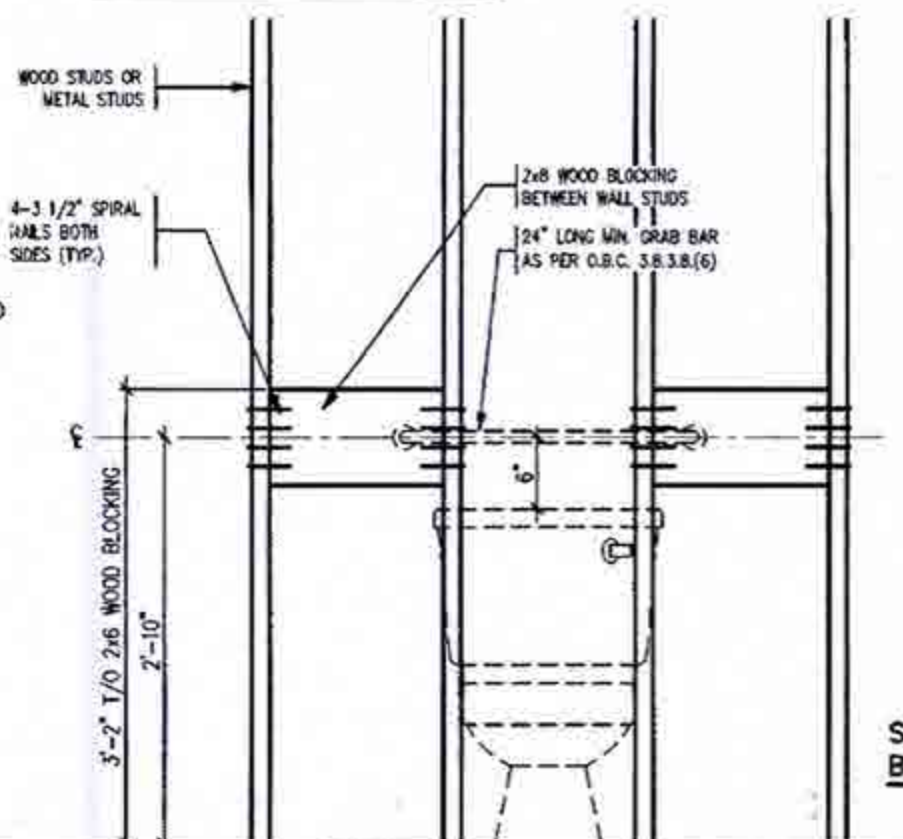
RESISTANCE TO FORCED ENTRY (OBC 9.6.8.)



BATH TUB FRONT ELEVATION



TOILET SIDE ELEVATION



TOILET FRONT ELEVATION

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 2018
BY
MARK DERKSEN
STRUDET INC.



STRUCTURAL REINFORCEMENT FOR GRAB
BAR (OBC 9.5.2.3.)

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 SURVEY, STRUCTURAL OR ENGINEERING INFORMATION SHOWN ON THESE DRAWINGS OR FOR CONSTRUCTION DEVIATIONS FROM THE REQUIREMENTS OF A BUILDING PERMIT, REFERENCE TO THE APPROPRIATE ENGINEERING STANDARDS, BUILDING CODES AND REGULATIONS, AND CONSTRUCTION METHODS MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION.

WHEN DESIGN GROUP INC. HAS NOT BEEN ADVISED TO CARRY OUT GENERAL REVIEW OF THE WORK, AND ASSUMES RESPONSIBILITY FOR THE FAILURE OF THE CONSTRUCTION OR SUB-CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

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

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 1.2.3 of the Building Code.

Walter Botter *Walter Botter* 21031
NAME SIGNATURE BCIN

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 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

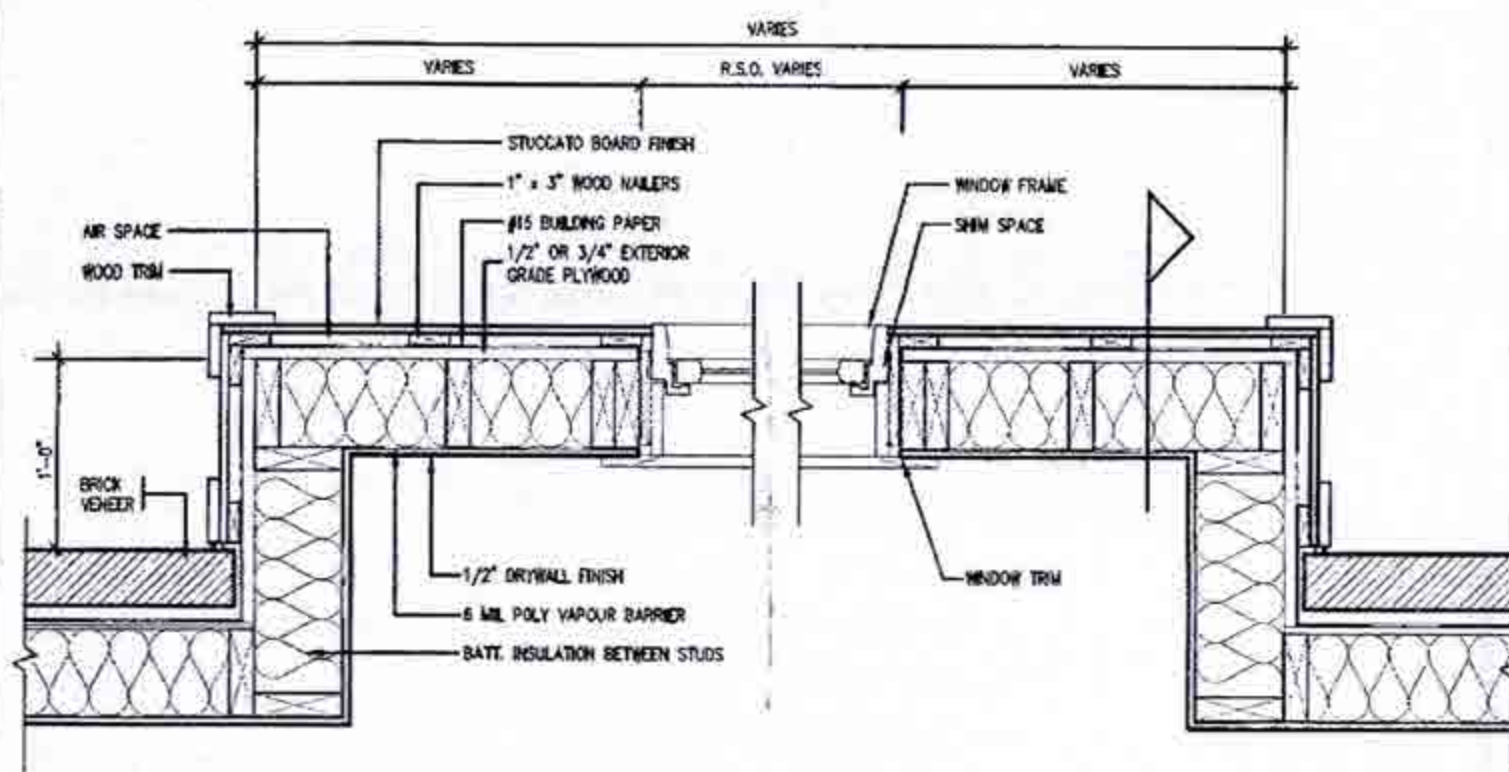
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PROJ. No. 18-24

DWG. No. 10

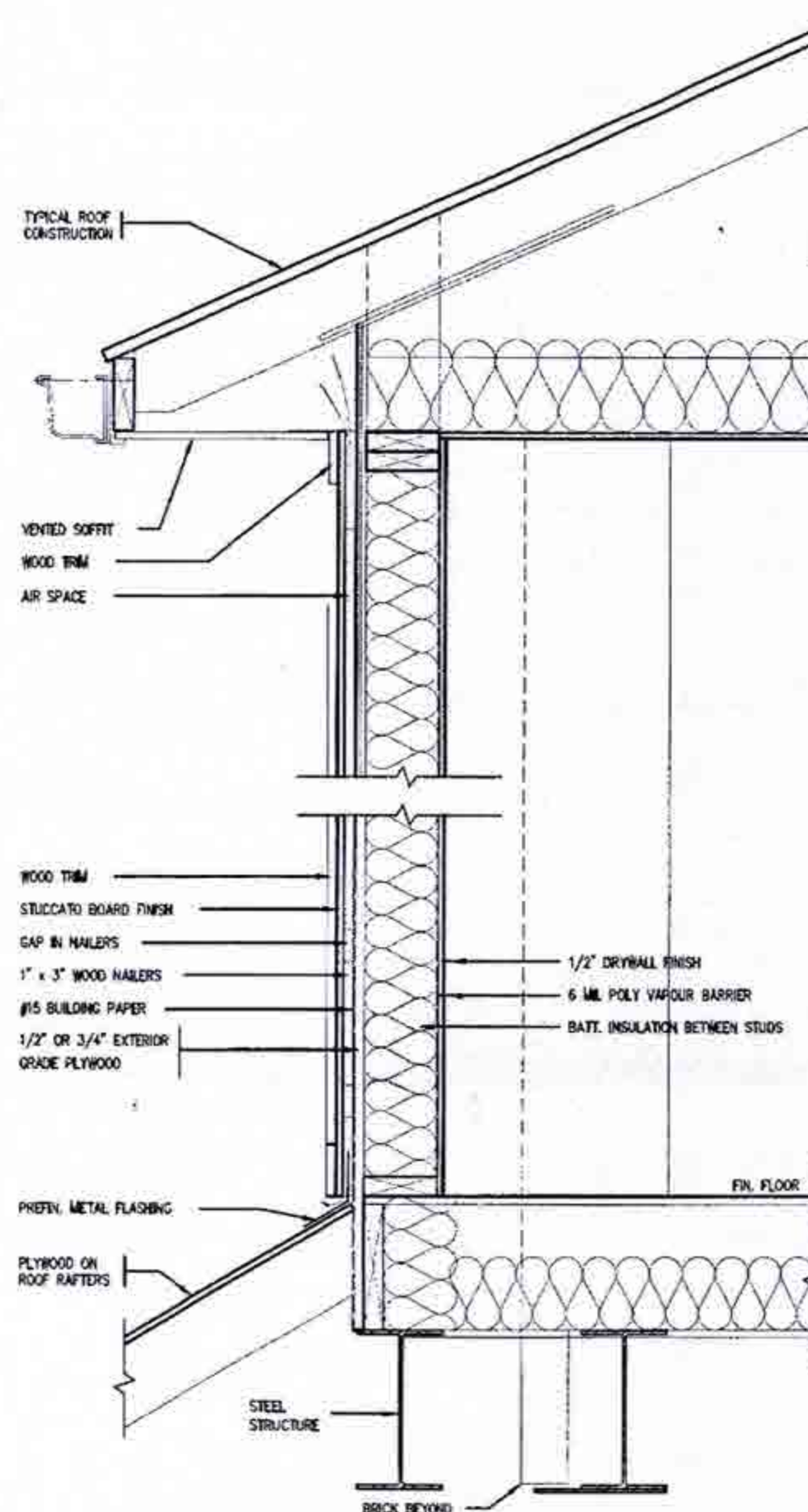
BILD

2012
PACKAGE 'A1'



PLAN VIEW

STUCCATO BOARD FINISH CLADDING (OBC 9.27.)



CROSS SECTION

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 2 0 2018
BY
MARK DERKSEN



AUG 22 2018

2012 CODE

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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 3.2.5 of the building code.

Walter Botter *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
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STUCCATO BOARD
FINISH CLADDING
MINNISALE HOME CORP.
CITY OF BRAMPTON

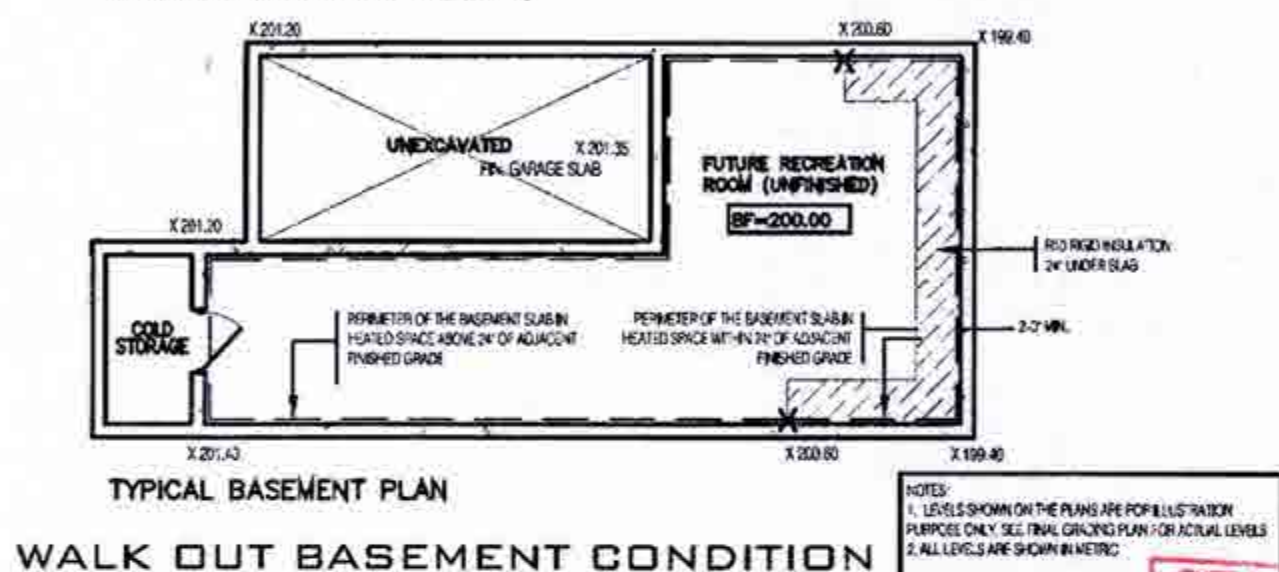
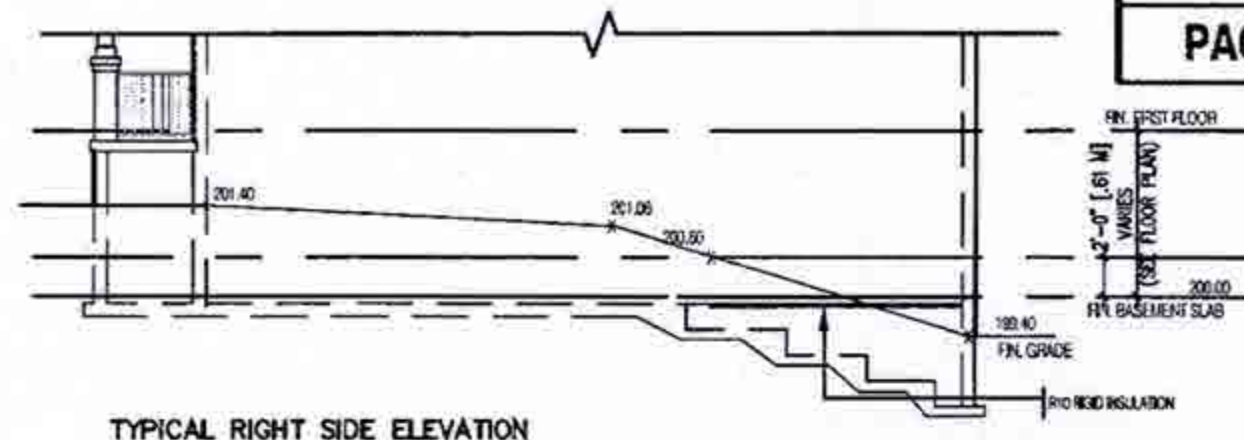
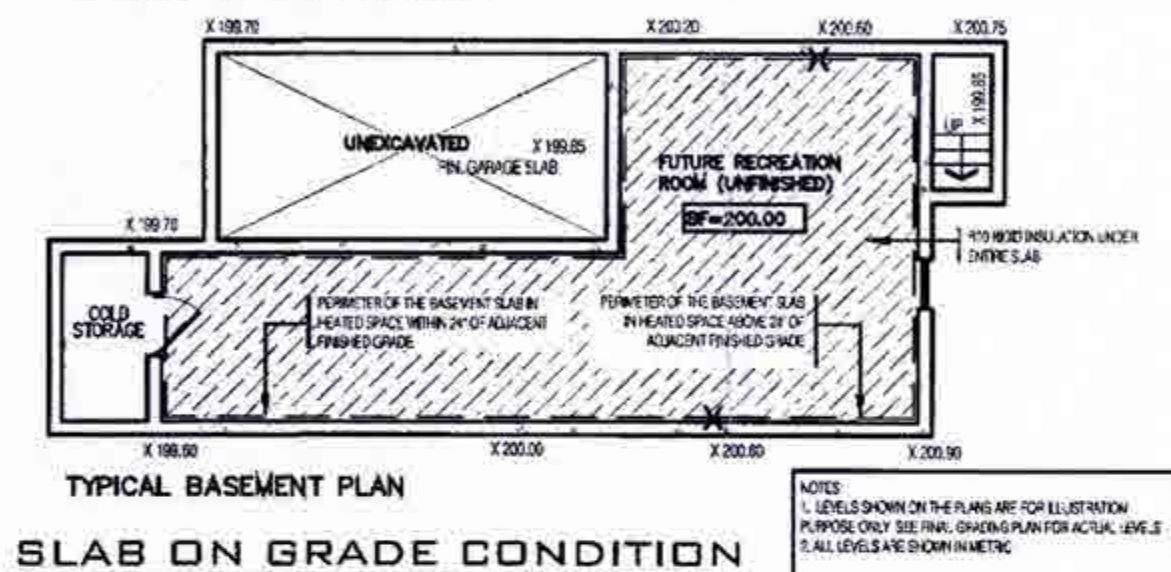
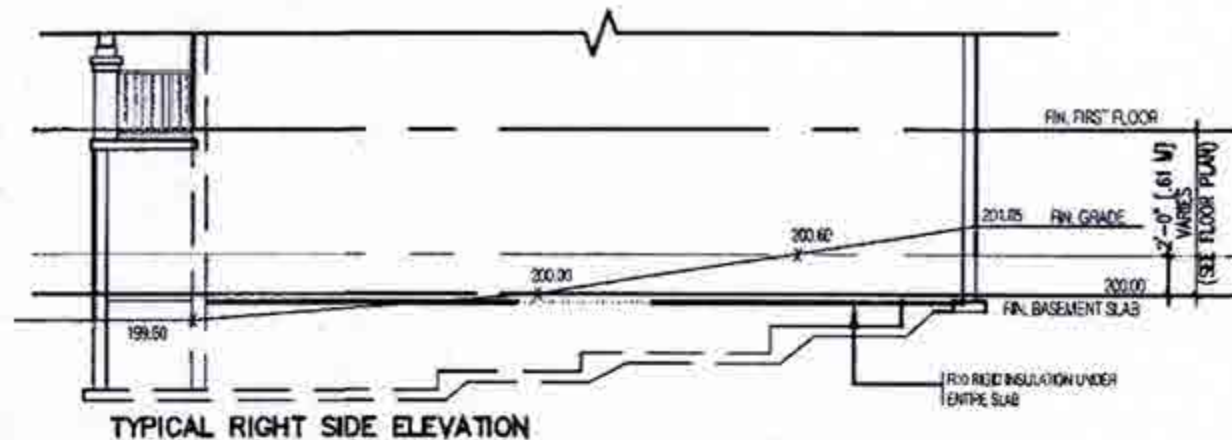
MODEL NAME
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SCALE: 1"=1'-0"

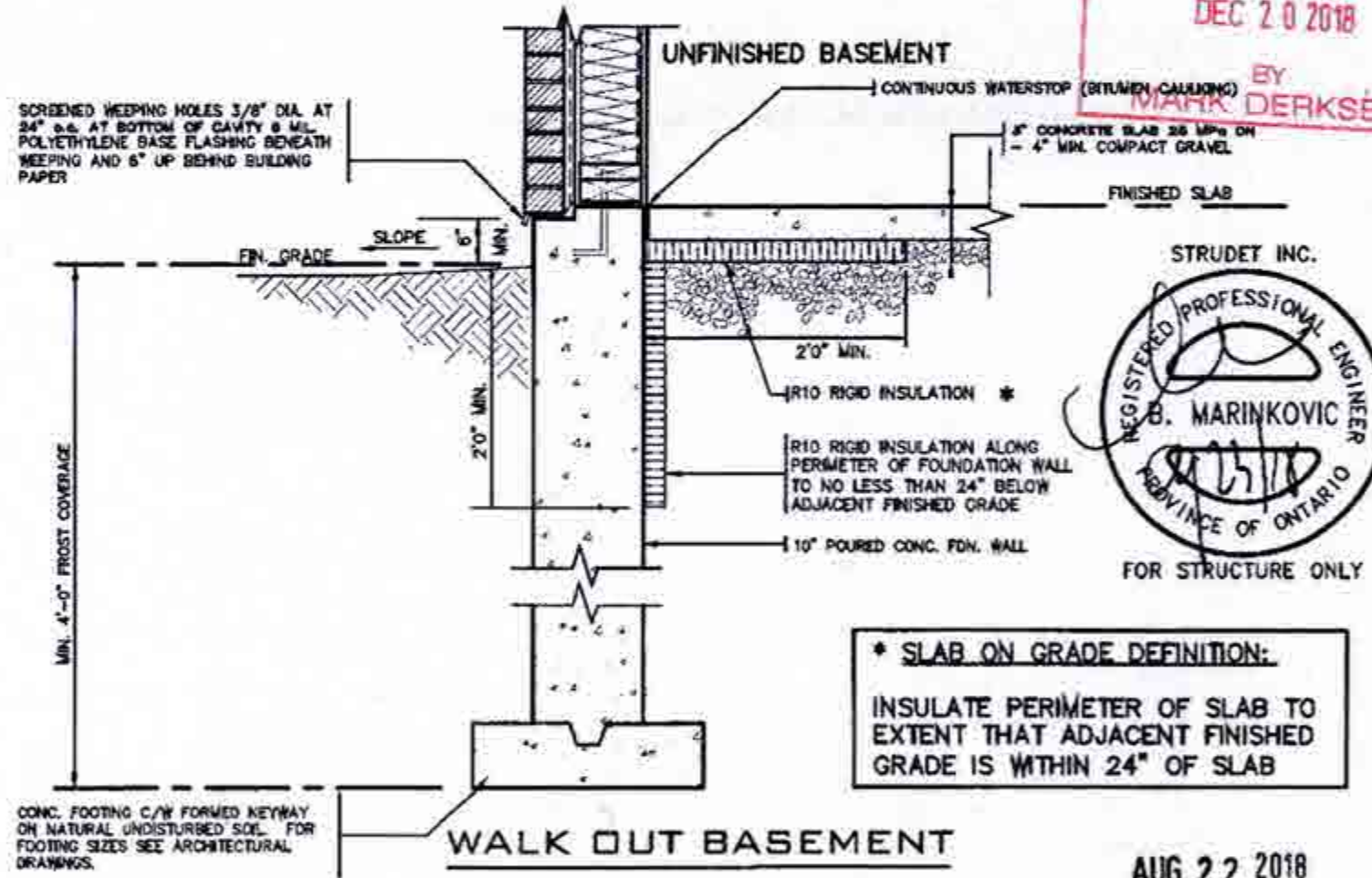
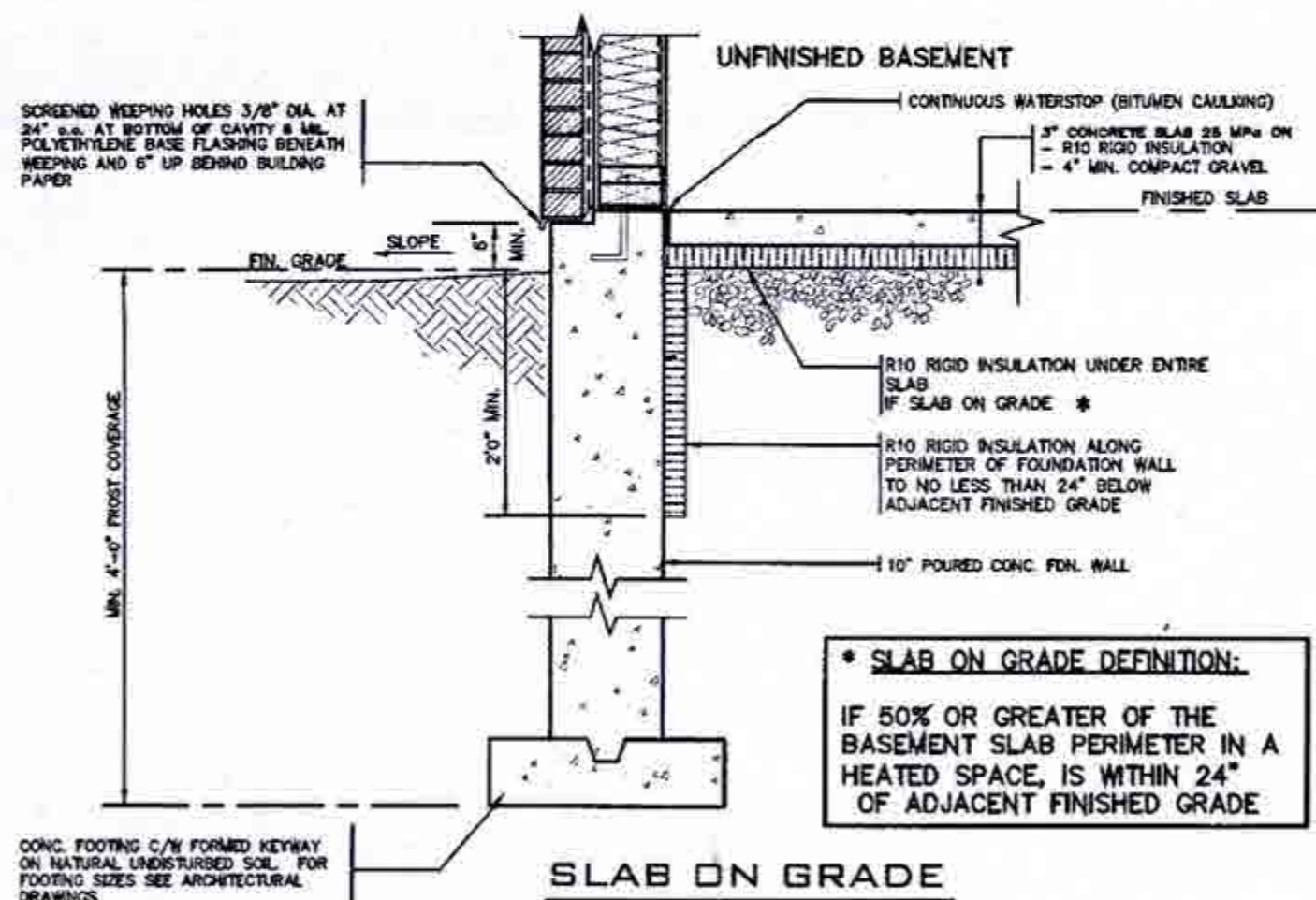
PROJ. No. 18-24

DWG. No. 11

2012
PACKAGE 'A1'



CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 2018
BY
MARK DERKSEN



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

AUG 22 2018

2012 CODE

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No.	DATE	WORK DESCRIPTION

DRAWN BY: DRAWING NAME: GENERAL NOTES

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QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 1.2.3 of the building code.

Walter Botter 21037
NAME SIGNATURE BCIN

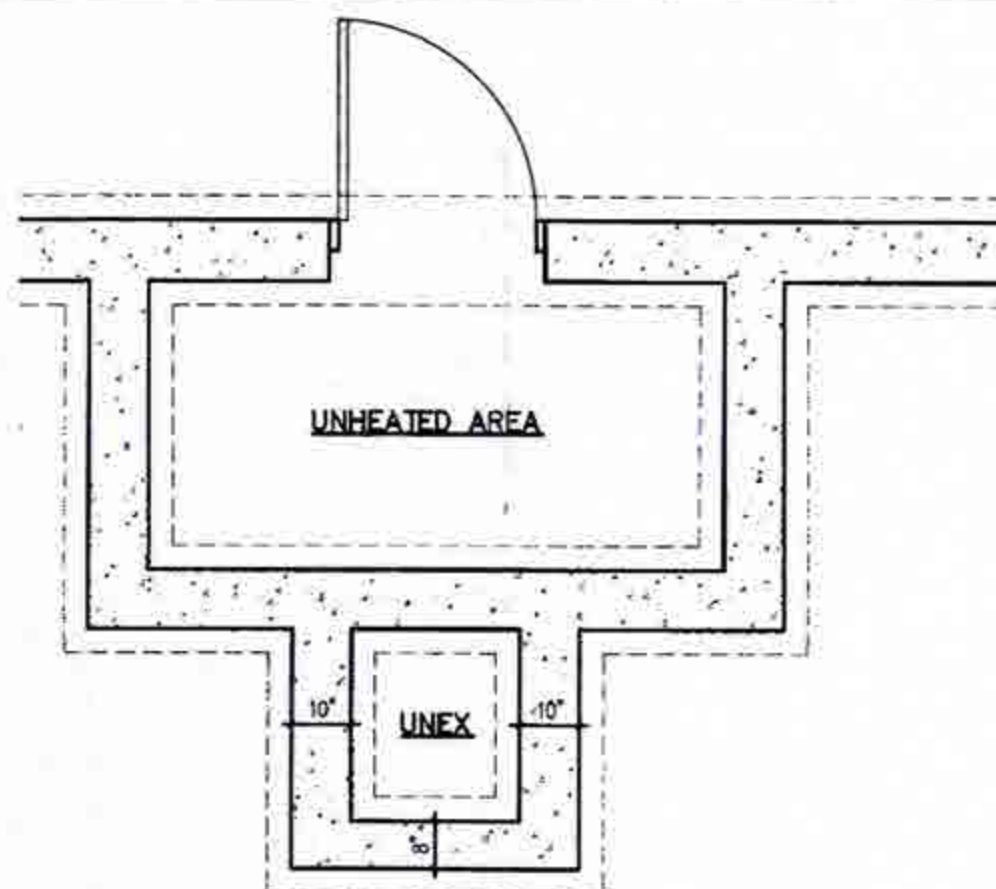
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 1.2.4 of the building code.

jardin design group inc. 27763
FIRM NAME 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

SLAB ON GRADE
WALKOUT BASEMENT
MINNISALE HOME CORP.
CITY OF BRAMPTON

MODEL NAME
SCALE: N.T.S.
PROJ. No. 18-24
DWS. No. 12



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'

FOR POURED CONCRETE
SLAB STRUCTURE REFER
TO ARCHITECTURAL
DRAWINGS

BOTTOM REINF.
10M Ø8" O.C.
UPPER REINF.
10M Ø8" O.C.

4'-0" MIN. TO
UNDISTURBED SOIL

SECTION 'A'

NOTE: FOR MORE THAN 8 RISERS

GENERAL NOTES

- EXTERIOR STAIRS
7 7/8" RISE MAXIMUM
8 1/4" RUN MINIMUM
9 1/4" TREAD MINIMUM
- MASONRY TIES
WHEN BRICK FACING IS USED ABOVE GROUND
LEVEL, PROVIDE 3/16" DIA. CORROSION
RESISTANT METAL TIES @ 36" HORIZONTAL &
5" VERTICAL
- GUARDS
ARE REQUIRED AROUND CONCRETE SLAB IF
MORE THAN 2'-0" ABOVE GRADE & ON
BOTH SIDES OF STAIRS CONTAINING MORE
THAN 6 RISERS. MINIMUM 31" HIGH FOR
STAIRS MINIMUM 35" HIGH FOR PORCHES UP
TO 5'-11" ABOVE GRADE. MINIMUM 42" HIGH
FOR GREATER HTS.
- HANDRAIL
ARE REQUIRED WHERE STEPS HAVE MORE
THAN 3 RISERS. HANDRAIL HEIGHT 31" -
38".
- 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
- CONCRETE
MINIMUM CONCRETE STRENGTH SHALL BE
4650 PSI [32MPa] W/ 5%-8% AIR
ENTRAINMENT MINIMUM CONCRETE SLAB
THICKNESS 5"
- CONCRETE COVER
PROVIDE MINIMUM 3/4" CLEAR CONCRETE
COVER TO REINFORCING BARS

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 20 2018
BY
MARK DERKSEN



FOR STRUCTURE ONLY

AUG 22 2018

2012 CODE

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND
COORDINATIONS 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, MECHANICAL AND ELECTRICAL DATA ON
THESE DRAWINGS OR FOR CONSTRUCTION DATA OBTAINED FROM THE
RECORDS OF A BUILDING PERMIT. PRIOR TO THE APPROPRIATE
FINISHING WORKING BEGINS, THE CONTRACTOR SHALL VERIFY THE
AS CONSTRUCTED DIMENSIONS MUST BE VERIFIED PRIOR TO POURING
FOOTINGS.
JARDIN DESIGN GROUP INC. HAS NOT BEEN RETAINED TO CARRY OUT
ANY TYPE OF REVIEW OF THE WORK AND ASSUMES NO RESPONSIBILITY
FOR THE FAILURE OF THE CONTRACTOR OR A CONTRACTOR TO
CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT
OCCUPANTS.
THE ENGINEER'S INSTRUMENT OF SERVICE IS PROVIDED BY AND IS
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a designer.
QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection
3.2.5 of the building code.
Walter Boller 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
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64 JARDIN DR. SUITE 3A
VAUGHAN ONT. L4K 3P5
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EMAIL: info@jardindesign.ca

POURED CONCRETE STAIRS
MINNISALE HOME CORP.
CITY OF BRAMPTON
MODEL NAME
SCALE: 3/8" = 1'-0"
PROJ. No. 18-24
DWG. No. 13