

CONSTRUCTION NOTES (UNLESS OTHERWISE NOTED)
ALL CONSTRUCTION TO ADHERE TO THESE PLANS AND SPEC'S AND TO CONFORM TO THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. THESE REQUIREMENTS ARE TO BE TAKEN AS MINIMUM SPECIFICATIONS. ONT. RES. 393/12 - 2012 OBC.

1 ROOF CONSTRUCTION (*SEE OBC 9.19.)

NO. 210 (10.25kg/m²) ASPHALT SHINGLES. 10mm (5/8") PLYWOOD SHEATHING WITH "H" CLIPS. APPROVED WOOD TRUSSES @ 600mm (24") O.C. MAX. APPROVED EAVE PROTECTION TO EXTEND 900mm (3'-0") FROM EDGE OF ROOF AND MIN. 900mm (12") BEYOND INNER FACE OF EXTERIOR WALL. 38x84 (2"x4") TRUSS BRACING @ 1830mm (6'-0") O.C. AT BOTTOM CHORD. FIBERGLASS ALUM. EAVESTROUGH, FASCIA, RAIL & VENTED SOFFIT. PROVIDE ICE & WATER SHIELD TO ALL ROOF / WALL SURFACES SUSCEPTIBLE TO DAMPING. ROOF SHEATHING TO BE FASTENED 150 (6") O.C. ALONG EDGES & INTERMEDIATE SUPPORTS WHEN TRUSSES SPACED GREATER THAN 406 (16"). ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH 50% AT EAVES.

2 SIDING, HARDIE BOARD, STUCCO BOARD OR EQUAL AS PER ELEVATION. 19x64 (1"x3") VERTICAL WOOD FURRING. APPROVED SHEATHING PAPER. MIN. RSI 0.88 (R-5) RIGID INSULATION. 38x140 (2"x6") STUDS @ 400mm (16") O.C. FILLED WITH MIN. RSI 3.87 (R-22) BATT INSULATION. TOTAL MIN. RSI 4.75 (R-21). APPROVED DIAGONAL WALL BRACING, VAPOUR BARRIER AND CONT. AIR BARRIER. 15mm (1/2") INT. DRYWALL FINISH.

3 BRICK VENEER CONSTRUCTION (2"x6") 40mm (4") FACE BRICK 25mm (1") AIR SPACE. 22x100x0.76mm (1/8"x1"x0.09") GALV. METAL TIES @ 400mm (16") O.C. HORIZONTAL 600mm (24") O.C. VERTICAL. APPROVED SHEATHING PAPER. MIN. RSI 0.88 (R-5) RIGID INSULATION. 38x140 (2"x6") STUDS @ 400mm (16") O.C. FILLED WITH MIN. RSI 3.87 (R-22) BATT INSULATION. TOTAL MIN. RSI 4.75 (R-21). APPROVED DIAGONAL WALL BRACING, VAPOUR BARRIER AND CONT. AIR BARRIER. 15mm (1/2") INT. DRYWALL FINISH. PROVIDE WEEP HOLES @ 800mm (32") O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER.

3A STUCCO WALL CONSTRUCTION (2"x6") STUCCO CLADDING SYSTEM CONFORMING TO OBC 9.21.1.1.2) & 9.26 THAT EMPLOY A MINIMUM 6mm (1/4") DRAINAGE CAVITY BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR AND APPLIED AS PER MANUFACTURERS SPECIFICATION ON 25mm (1") MINIMUM EXTRUDED OR EXPANDED RIGID INSULATION. APPROVED SHEATHING PAPER. MIN. RSI 0.88 (R-5) RIGID INSULATION. 38x140 (2"x6") STUDS @ 400mm (16") O.C. FILLED WITH MIN. RSI 3.87 (R-22) BATT INSULATION. TOTAL MIN. RSI 4.75 (R-21). APPROVED DIAGONAL WALL BRACING, VAPOUR BARRIER AND CONT. AIR BARRIER. 15mm (1/2") INT. DRYWALL FINISH. STUCCO TO BE MIN. 200mm (8") ABOVE FINISH GRADE.

4 INTERIOR STUD PARTITIONS (*SEE OBC 9.23.10.8.9.23.11.)

BEARING PARTITION 38x84 (2"x4") @ 400mm (16") O.C. FOR 2 STOREYS AND 300mm (12") O.C. FOR 3 STOREYS. NON-BEARING PARTITIONS 38x84 (2"x4") @ 600mm (24") O.C. PROVIDE 38x84 (2"x4") BOTTOM PLATE AND 2/58x84 (2"x4") TOP PLATE. 15mm (1/2") INTERIOR DRYWALL BOTH SIDES OF STUD. PROVIDE 38x140 (2"x6") STUDS/PLATES WHERE NOTED.

5 FOUNDATION WALL/FOOTINGS: (*SEE OBC 9.15.3 & 9.15.4.)

200mm (8") OR 255mm (10") POURED CONC. FDN. WALL. 15MPa (2200psi) WITH BITUMINOUS DAMPROOFING AND DRAINAGE LAYER. BRACE FOUNDATION WALL PRIOR TO BACKFILLING ON CONC. FOOTINGS C/M CONT. FORMED KEYWAY AND REST ON NATURAL UNDISTURBED SOIL WITH MINIMUM BEARING CAPACITY OF 100kPa (14.5 psi) OR GREATER. FOR FOOTING SIZES SEE ARCHITECTURAL DRAWINGS.

6 WEeping TILE (*SEE OBC 9.14.3.)

100mm (4") DIA. WEeping TILE 150mm (6") CRUSHED STONE OVER AND AROUND WEeping TILES.

7 BASEMENT SLAB (*SEE OBC 9.16.)

80mm (3") MIN. 25MPa (3600psi) CONC. SLAB ON 100mm (4") COARSE GRANULAR FILL OR 15MPa (2200psi) CONC. WITH DAMPROOFING BELOW SLAB.

8 WOOD SUBFLOORS (*SEE OBC 9.23.14. & 9.30.2.)

19mm (3/4") T&G SUBFLOOR UNDER GROUND FLOOR FINISH FLOOR. 16mm (5/8") T&G SUBFLOOR UNDER SECOND FLOOR FINISH FLOOR. 16mm (5/8") PANEL-TYPE UNDERLAY FOR CERAMIC TILE APPLICATION. 6mm (1/4") PANEL-TYPE UNDERLAY UNDER RESILIENT & PARQUET FLOORING.

9 ROOF INSULATION

RSI 10.56 (R60) ROOF INSULATION AND APPROVED VAPOUR BARRIER. 15mm (5/8") INT. DRYWALL FINISH OR APPROVED EQUAL.

10 ALL STAIRS/EXTERIOR STAIRS (*SEE OBC 9.8.)

MAX. RISE	= 200 (7'-10")
MIN. RUN	= 210 (8'-10")
MIN. TREAD	= 235 (9'-10")
MAX. NOSING	= 25 (1")
MIN. HEADROOM	= 1950 (6'-5")
RAIL @ LANDING	= 900 (2'-11")
RAIL @ STAIR	= 865 (2'-10") TO 965 (3'-2")
MIN. STAIR WIDTH	= 860 (2'-10")
FOR CURVED STAIRS	
MIN. AVG. RUN	= 200 (8")
MIN. RUN	= 150 (6")

11 RAILING (*SEE OBC 9.8.8.)

FINISHED RAILING ON PICKETS SPACED MAXIMUM 100mm (4") BETWEEN PICKETS.

INTERIOR GUARDS: = 900mm (2'-11") MIN.
EXTERIOR GUARDS: = 1070mm (3'-6") MIN.

12 SILL PLATE (*SEE OBC 9.23.6 & 9.23.7.)

38x84 (2"x4") SILL PLATE WITH 15mm (1/2") DIA. ANCHOR BOLTS 200mm (8") LONG, EMBEDDED MIN. 100mm (4") INTO CONC. @ 2400mm (7'-10") O.C. CAULKING OR 25 (1") MIN. MINERAL WOOL BETWEEN PLATE AND TOP OF FDN. WALL. USE MORTAR TO LEVEL SILL PLATE WHEN REQUIRED.

13 BASEMENT INSULATION (*SEE OBC 12.3.)

FOUNDATION WALLS ENCLOSING HEATED SPACE SHALL BE INSULATED FROM THE UNDERSIDE OF THE SUBFLOOR TO NOT MORE THAN 152mm (6") ABOVE THE FINISHED FLOOR OF THE BASEMENT AND NOT LESS THAN 50mm (2") TO THE SLAB. FOUNDATION WALL INSULATION SHALL BE MINIMUM RSI 5.52 (R20) INSULATION BLANKET OR BATTS WITH 38x84 (2"x4") STUD WALL, APPROVED VAPOUR BARRIER, DAMPROOFING W/BLDS. PAPER BETWEEN THE FDN. AND INSUL.

14 BASEMENT BEARING STUD PARTITION (2"x4")

(*SEE OBC 9.23.10.)

38x84 (2"x4") STUDS @ 400mm (16") O.C. 38x84 (2"x4") SILL PLATE ON DAMPROOFING MATERIAL. 15mm (1/2") DIA. ANCHOR BOLTS 200mm (8") LONG, EMBEDDED MIN. 100mm (4") INTO CONC. @ 2400mm (7'-10") O.C. (4") HIGH CONC. CURB ON 305x155 (12"x6") CONC. FOOTINGS. ADD HORIZ. BLOCKING AT MID-HEIGHT IF WALL IS UNFINISHED.

14A BASEMENT BEARING STUD PARTITION (2"x6")

38x140 (2"x6") STUDS @ 400mm (16") O.C. 38x140 (2"x6") SILL PLATE ON DAMPROOFING MATERIAL. 15mm (1/2") DIA. ANCHOR BOLTS 200mm (8") LONG, EMBEDDED MIN. 100mm (4") INTO CONC. @ 2400mm (7'-10") O.C. (4") HIGH CONC. CURB ON 400x155 (16"x6") CONC. FOOTINGS. ADD HORIZ. BLOCKING AT MID-HEIGHT IF WALL IS UNFINISHED.

15 STEEL BASEMENT COLUMN (*SEE OBC 9.17.3.)

40mm (3/2") DIA. x 4.78mm (1/8") STL. COL. WITH 150x150x4.5mm (6"x6"x3/8") STL. TOP & BOTTOM PLATE.

15A STEEL COLUMN (*SEE OBC 9.17.3.)

40mm (3/2") DIA. x 4.78mm (1/8") STL. COLUMN WITH 100x100x6.4mm (4"x4"x1/4") STEEL TOP & BOTTOM PLATE. FIELD WELD BOTTOM PLATE TO 250x100x12.5mm (10"x4"x1/2") BASE PLATE C/M 2-13mm (1/2") DIA. x 300mm (12") LONG x 50mm (2") HOOK ANCHORS.

16 NIB WALLS (*SEE OBC 9.23.8.)

BEAM POCKET OR 200x200 (8"x8") POURED CONCRETE NIB WALLS. MINIMUM BEARING 90mm (3-1/2")

17 STEEL BEAM STRAPPING (*SEE OBC 9.23.4.3.(3)(c))

19x38 (1"x2") CONTINUOUS WOOD STRAPPING BOTH SIDES OF STEEL BEAM.

18 GARAGE SLAB (*SEE OBC 9.16.)

100mm (4") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT ON OPT. 100 (4") COARSE GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. SLOPE TO FRONT 1% MIN.

19 INTERIOR GARAGE WALLS & CEILINGS

(*SEE OBC 9.10.9.16.)

15mm (1/2") GYPSUM BOARD ON WALL AND CEILING BETWEEN HOUSE AND GARAGE. MIN. RSI 0.88 (R-5) RIGID INSULATION W/ MIN. RSI 3.87 (R-22) BATT INSULATION. TOTAL MIN. RSI 4.75 (R-21) IN WALLS. RSI 5.46 (R31) IN CEILING. TAPE AND SEAL ALL JOINTS GAS TIGHT.

19A EXTERIOR GARAGE WALLS (UN-INSULATED)

(*SEE OBC 9.23.10.1.)

EXTERIOR FINISH AS PER NOTES (2) (3) (3A)
APPROVED SHEATHING PAPER
7/16" O.S.B. EXTERIOR SHEATHING
38x84 (2"x4") STUDS @ 400mm (16") O.C.
FOR MAX. 3.0M (4'-10") HEIGHT
38x140 (2"x6") STUDS @ 400mm (16") O.C.
FOR MAX. 3.6M (11'-10") HEIGHT
15mm (1/2") INT. DRYWALL FINISH.

20 GARAGE DOOR GASPROOFING

(*SEE OBC 9.10.13.15.)
DOOR AND FRAME GASPROOFING. DOOR EQUIPPED WITH SELF CLOSING DEVICE AND WEATHER STRIPPING.

21 EXTERIOR STEP

(*SEE OBC 9.8.9.2, 9.8.9.3 & 9.8.10.)
PRECAST CONCRETE STEP OR MD. STEP WHERE NOT EXPOSED TO WEATHER MAX. RISE 200mm (7'-10") MINIMUM TREAD 250mm (9'-10")

22 DRYER VENT (*SEE OBC 6.2.3.8.(7))

CAPPED DRYER EXHAUST VENTED TO EXTERIOR. USE 1000mm (4") DIA. SMOOTH WALL VENT PIPE.

23 ATTIC ACCESS (*SEE OBC 9.19.2.)

ATTIC ACCESS HATCH 545x160 (22"x25") WITH WEATHERSTRIPPING. RSI 9.52 (R20) RIGID INSULATION BACKING.

24 FIREPLACE CHIMNEYS (*OBC 9.21.)

TOP OF FIREPLACE CHIMNEY SHALL BE 915mm (3'-0") ABOVE THE HIGHEST POINT AT WHICH IT COMES IN CONTACT WITH THE ROOF AND 610mm (2'-0") ABOVE THE ROOF SURFACE WITHIN A HORIZ. DISTANCE OF 9050mm (10'-0") FROM THE CHIMNEY.

25 LINEN CLOSET

4 SHELVES MIN. 350mm (14") DEEP.

26 MECHANICAL EXHAUST

(*SEE OBC 9.32.3.5, 9.32.3.10.)
MECHANICAL EXHAUST FAN VENTED TO EXTERIOR.

27 STEEL BEARING PLATE FOR MASONRY WALLS

280x280x16 (11"x11"x5/8") STL. PLATE FOR STL BEAMS AND 280x280x12 (11"x11"x1/2") STL. PLATE FOR WOOD BEAMS BEARING ON CONC. BLOCK PARTYWALL. ANCHORED W/ 2-19mm (3/4") x200mm (8") LONG GALV. ANCHORS WITHIN SOLID BLOCK COURSE. LEVEL WITH NON-SHRINK GROUT.

28 CLASS "B" VENT

ULC. RATED CLASS "B" VENT 610mm (2'-0") ABOVE THE POINT IN CONTACT WITH THE ROOF FOR SLOPES UP TO 4/12. REFER TO THE ONTARIO GAS UTILIZATION CODE.

29 WOOD BASEMENT POST (*OBC 9.17.4.)

3-38x140 (3"x6") BUILT-UP POST ON METAL BASE SHOE ANCHORED TO CONC. WITH 12.7 (1/2") DIA. BOLT ON 405x405x203 (16"x16"x8") CONC. FOOTINGS.

30 STEP FOOTINGS (*OBC 9.15.3.9.)

MIN. HORIZ. STEP = 610mm (24"). MAX. VERT. STEP = 610mm (24")

31 SLAB ON GRADE (*SEE OBC 9.16.)

100mm (4") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT ON OPT. 100 (4") COARSE GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. REINFORCED W/ 6x6-x12.9x12.9 MESH PLACED NEAR MID-DEPTH OF SLAB.

32 DIRECT VENT FURNACE

DIRECT VENT FURNACE TERMINAL MIN. 900mm (36") FROM A GAS REGULATOR. MIN 300mm (12") ABOVE FIN. GRADE. FROM ALL OPENINGS, EXHAUST & INTAKE VENTS. HRY INTAKE TO BE A MIN. OF 1830mm (6'-0") FROM ALL EXHAUST TERMINALS. REFER TO GAS UTILIZATION CODE.

33 DIRECT VENT GAS FIREPLACE

DIRECT VENT GAS FIREPLACE. VENT TO BE A MINIMUM 300mm (12") FROM ANY OPENING AND ABOVE FIN. GRADE. REFER TO GAS UTILIZATION CODE.

34 JOIST STRAPPING & BRIDGING (*SEE OBC 23.9.4.)

ALL FLOOR JOISTS TO BE BRIDGED WITH 38x38 (2"x2") CROSS BRACINGS OR SOLID BLOCKING @2100mm (6'-11") O.C. MAX. 14x64 (1"x3") @2100mm (6'-11") O.C. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED.

35 EXPOSED BUILDING FACE (*SEE OBC 9.10.15.)

EXTERIOR WALLS TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45min. WHERE LIMITING DISTANCE IS LESS THAN 1.2M (3'-11") WHERE THE LIMITING DISTANCE IS LESS THAN 600mm (1'-11") THE EXPOSING FACE SHALL BE CLAD IN NON-COMBUSTIBLE MATERIAL.

36 COLD CELLAR PORCH SLAB (*SEE OBC 9.40.)

FOR MAX. 2500mm (8'-2") PORCH DEPTH, 125mm (5") 32MPa (4640 psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @200mm (8") O.C. EACH WAY IN BOTTOM THIRD OF SLAB, ANCHORED IN PERIMETER FDN. WALLS W/ 610x610 (24"x24") 10M @600mm (24") O.C. DOWELS. SLOPE SLAB MIN. 1.0% FROM DOOR. SLAB TO HAVE A MIN. 75mm (3") BEARING ON FDN. WALLS. PROVIDE (4L1) LINTELS OVER CELLAR DOOR.

37 FDN. WALL REDUCTION IN THICKNESS

(*SEE OBC 9.15.4.7.)
FDN. WALL SHALL NOT BE REDUCED TO LESS THAN 90mm (3-1/2") THICK TO A MAX. DEPTH OF 660mm (26") FOR 8" FDN. WALL. 10" FDN. WALL WHEN REDUCTION IN THICKNESS IS GREATER THAN 26". FDN. WALL SHALL BE TIED TO THE FACING MATERIAL WITH METAL TIES SPACED 200mm (8") O.C. VERTICALLY AND 400mm (16") O.C. HORIZONTALLY. FILL SPACE BETWEEN WALL AND FACING SOLID WITH MORTAR.

38 CONVENTIONAL ROOF FRAMING

(*SEE OBC 9.23.4.2.(1))

FOR MAX. 2240mm (7'-4") SPAN, 38x84 (2"x4") RAFTERS @400mm (16") O.C. FOR MAX. 3350mm (11'-1") SPAN, 38x140 (2"x6") RAFTERS @400mm (16") O.C. RIDGE BOARD TO BE 51mm (2") DEEPER. 38x84 (2"x4") COLLAR TIES AT MIDSPANS. CEILING JOISTS TO BE 38x84 (2"x4") @400mm (16") O.C. FOR MAX. 2830mm (9'-3") SPAN & 38x140 (2"x6") @ 400 (16") O.C. FOR MAX. 4450mm (14'-7") SPAN. RAFTERS FOR BUILT-UP ROOF TO BE 38x84 (2"x4") @600mm (24") O.C. WITH A 38x84 (2"x4") CENTER POST TO THE TRUSS BELOW. LATERALLY BRACED @1800mm (6'-0") O.C. VERTICALLY.

39 TWO STOREY VOLUME SPACES

FOR A MAXIMUM 5440mm (18'-0") HEIGHT, PROVIDE 2-38x140 (2"x6") CONTINUOUS STUDS @300mm (12") O.C. FOR BRICK AND 400mm (16") O.C. FOR SIDING. PROVIDE SOLID WOOD BLOCKING BETWEEN STUDS @1220mm (4'-0") O.C. VERT. 1/16" EXT. PLYWOOD.

40 EXPOSED FLOOR TO EXTERIOR

PROVIDE RSI 5.46 (R31) INSULATION, APPROVED VAPOUR BARRIER AND CONTINUOUS AIR BARRIER, FINISHED SOFFIT.

41 PARTYWALLS

TYPICAL 1 HOUR RATED PARTYWALL. REFER TO DETAILS FOR TYPE AND SPECIFICATIONS.

42 EXTERIOR WALLS FOR WALK-OUT CONDITION

THE EXTERIOR BASEMENT STUD WALL TO BE 38x140 (2"x6") STUDS @400mm (16") O.C. MATCH FLOOR JOIST SPACING WHEN PARALLEL WITH FLOOR JOISTS.

43 SMOKE ALARM (*OBC 9.10.19)

WITHIN DWELLING UNITS, SUFFICIENT SMOKE ALARMS SHALL BE INSTALLED SO THAT:
a. THERE IS AT LEAST ONE SMOKE ALARM INSTALLED ON EACH STOREY, INCLUDING BASEMENTS AND
b. ON ANY STOREY OF A DWELLING UNIT CONTAINING SLEEPING ROOMS, A SMOKE ALARM IS INSTALLED,
1. IN EACH SLEEPING ROOM, AND
2. IN A LOCATION BETWEEN THE SLEEPING ROOMS AND THE REMAINDER OF THE STOREY, AND IF THE SLEEPING ROOMS ARE SERVED BY A HALLWAY, THE SMOKE ALARM SHALL BE LOCATED IN THE HALLWAY.

A SMOKE ALARM SHALL HAVE A VISUAL SIGNALING COMPONENT CONFORMING TO THE REQUIREMENTS IN 18.5.3. (LIGHT, COLOR AND PULSE CHARACTERISTIC) OF NFPA 72, "NATIONAL FIRE ALARM AND SIGNALING CODE".

A SMOKE ALARM SHALL BE INSTALLED IN CONFORMANCE WITH CANULC-5553, "INSTALLATION OF SMOKE ALARMS".

SMOKE ALARMS SHALL BE INSTALLED ON OR NEAR THE CEILING.

44 CARBON MONOXIDE ALARM (*OBC 9.33.4.)

WHERE A FUEL-BURNING APPLIANCE IS INSTALLED IN A SUITE OF RESIDENTIAL OCCUPANCY, A CARBON MONOXIDE ALARM SHALL BE INSTALLED TO EACH SLEEPING AREA IN THE SUITE.

THE CARBON MONOXIDE ALARM SHALL

a. BE PERMANENTLY CONNECTED TO AN ELECTRICAL CIRCUIT AND SHALL HAVE NO DISCONNECT SWITCH BETWEEN THE OVERCURRENT DEVICE AND THE CARBON MONOXIDE ALARM.
b. BE EQUIPPED WITH AN ALARM THAT IS AUDIBLE WITHIN BEDROOMS WHEN THE INTERVENING DOORS ARE CLOSED, WHERE LOCATED ADJACENT TO A SLEEPING AREA, AND
c. CONFORM TO
1. CAN/CSA-6.19, "RESIDENTIAL CARBON MONOXIDE ALARMING DEVICES", OR
2. UL2034, "SINGLE AND MULTIPLE STATION CARBON MONOXIDE ALARMS".

45 SOIL GAS CONTROL (*OBC 9.13.4.)

PROVIDE CONSTRUCTION TO PREVENT LEAKAGE OF SOIL GAS INTO THE BUILDING AS REQUIRED.



FOR STRUCTURE ONLY

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

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SHEET TITLE

GENERAL NOTES

SCALE N.T.S.

DATE FEB 2019

TYPE

PROJECT 00-00-00

CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.

AREA

PAGE NO. 1

PROJECT 00-00-00

PROJECT 00-00-00

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WINDOWS -
CANADA ZONE C

- (1) MINIMUM BEDROOM WINDOW (*OBC 9.9.10.1.)
AT LEAST ONE BEDROOM WINDOW ON A GIVEN FLOOR IS
TO HAVE MIN. 0.35m² (3.8 SQ.FT.) UNOBSTRUCTED GLAZED
OPENABLE AREA WITH MIN. CLEAR WIDTH OF 380mm (1'-3")
GLASS AREA NOT MORE THAN 17% OF GROSS
PERIPHERAL WALL AREA.
MAXIMUM U-VALUE 1.67 & MIN ER-VALUE 24
- (2) WINDOW GUARDS (*OBC 9.8.8.1(6))
A GUARD IS REQUIRED WHERE THE TOP OF THE WINDOW
SILL IS LOCATED LESS THAN 480mm (1'-6") ABOVE FIN.
FLOOR AND THE DISTANCE FROM THE FIN. FLOOR TO THE
ADJACENT GRADE IS GREATER THAN 1800mm (5'-11")

GENERAL:

- (1) MECHANICAL VENTILATION
MECHANICAL VENTILATION IS REQUIRED TO PROVIDE 0.3
AIR CHANGES PER HOUR AVERAGED OVER 24 HOURS.
SEE MECHANICAL DRAWINGS.
- (2) REINFORCEMENT FOR GRAB BARS (*OBC 9.5.2.3.)
REINFORCEMENT OF STUD WALLS FOR FUTURE GRAB
BARS SHALL BE INSTALLED ADJACENT TO WATER
CLOSETS AND SHOWER OR BATHUB IN MAIN BATHROOM.
SEE DETAIL.

LUMBER:

- 1) ALL LUMBER SHALL BE SPRUCE-PINE-FIR No.1&2 GRADE,
UNLESS NOTED OTHERWISE.
- 2) LUMBER EXPOSED TO THE EXTERIOR TO BE
SPRUCE-PINE-FIR No.1&2 GRADE PRESSURE TREATED OR
CEDAR, UNLESS NOTED OTHERWISE.
- 3) ALL BEAMS, GIRDER TRUSSES, AND METAL HANGER
CONNECTIONS SUPPORTING ROOF FRAMING TO BE
DESIGNED & CERTIFIED BY TRUSS MANUFACTURER.
- 4) LVL BEAMS SHALL BE VERSA-LAM 2.0E (Fb=2800psi
MIN.) OR EQUIVALENT. NAIL EACH PLY OF LVL WITH 89mm
(3-1/2") LONG COMMON WIRE NAILS @300mm (12") o.c.
STAGGERED IN 2 ROWS FOR 124, 240, & 300mm
(1-1/4", 9-1/2", 11-1/8") DEPTHS AND STAGGERED IN 3 ROWS
FOR GREATER DEPTHS AND FOR 4 PLY MEMBERS ADD
1/2" (13mm) DIA. GALVANIZED BOLTS BOLTED AT
MID-DEPTH OF BEAM @ 915mm (3'-0") o.c.
- 5) PROVIDE TOP MOUNT BEAM HANGERS FOR ALL LVL BEAM
TO BEAM CONNECTIONS UNLESS NOTED OTHERWISE.
- 6) PROVIDE METAL JOIST HANGERS FOR ALL JOISTS AND
BUILT-UP WOOD MEMBERS INTERSECTING FLUSH BUILT-UP
WOOD MEMBERS.
- 7) WOOD FRAMING NOT TREATED WITH A WOOD
PRESERVATIVE, IN CONTACT WITH CONCRETE, SHALL BE
SEPARATED FROM THE CONC. BY AT LEAST 2mil.
POLYETHYLENE FILM, No.50 (45lbs) ROLL ROOFING OR
OTHER DAMPROOFING MATERIAL, EXCEPT WHERE THE
WOOD MEMBER IS AT LEAST 150mm (6") ABOVE THE
GROUND.

STEEL:

STRUCTURAL STEEL AND HOLLOW STRUCTURAL SECTIONS
SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350M.

REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M
GRADE 400R.

ELECTRIC VEHICLE CHARGING SYSTEM (EVCS):

ROUGH-IN FOR FUTURE VEHICLE SUPPLY EQUIPMENT
(CHARGING SYSTEM) TO BE INSTALLED. ROUGH-IN SHALL
INCLUDE:

- A MINIMUM 200amp PANEL BOARD,
- CONDUIT THAT IS NOT LESS THAN 1 1/8" (27mm)
TRADE SIZE.
- A SQUARE 4 11/16" (116mm) TRADE SIZE ELECTRICAL
OUTLET BOX.
- FUME-PROOFED ELECTRICAL OUTLET BOX TO BE
INSTALLED IN THE GARAGE OR CARPORT OR
ADJACENT TO DRIVEWAY.

REFER TO 2012 O.B.C. 9.34.4

STABILITY OF NARROW (20'-25')
& TALL (±30') HOUSES

BUILDER TO PROVIDE SUFFICIENT TEMPORARY BRACING
TO RESIST WIND LOADINGS WHEN UNDER CONSTRUCTION.
FURTHER RECOMMENDATIONS:

- 1) REDUCE THE FOUNDATION WALL SILL PLATE ANCHOR
BOLT SPACING FROM 2400mm o.c. (7'-10") TO 1220mm o.c.
(4'-0") FOR STANDARD CONDITIONS.
- 2) USE 9.5mm (3/8") THICK PLYWOOD OR WAFFERBOARD FOR
THE EXTERIOR WALL SHEATHING.
- 3) TO STIFFEN THE STRUCTURE IN TRANSVERSE DIRECTION
USE 9.5mm (3/8") THICK PLYWOOD NAILED TO THE
INTERIOR PARTITIONS ON EACH FLOOR FOR A MINIMUM 2
INTERIOR PARTITION WALLS ON BOTH SIDES AND
PERPENDICULAR TO THE LONG WALLS.

BRICK VENEER LINTELS

ML1 = 3-1/2"x3-1/2"x1/4" (90x90x6.0L) + 2-2"x8" SFR. No.2
ML2 = 4"x3-1/2"x5/16" (100x90x8.0L) + 2-2"x8" SFR. No.2
ML3 = 5"x3-1/2"x5/16" (125x90x8.0L) + 2-2"x10" SFR. No.2
ML4 = 6"x3-1/2"x3/8" (150x90x10.0L) + 2-2"x12" SFR. No.2
ML5 = 6"x4"x3/8" (150x100x10.0L) + 2-2"x12" SFR. No.2
ML6 = 5"x3-1/2"x5/16" (125x90x8.0L) + 2-2"x12" SFR. No.2
ML7 = 5"x3-1/2"x5/16" (125x90x8.0L) + 3-2"x10" SFR. No.2
ML8 = 5"x3-1/2"x5/16" (125x90x8.0L) + 3-2"x12" SFR. No.2
ML9 = 6"x4"x3/8" (150x100x10.0L) + 3-2"x12" SFR. No.2
ML10 = 6"x4"x3/8" (150x100x10.0L) + 3-2"x12" SFR. No.2

WOOD LINTELS AND BEAMS

MB1 = 2-2"x8" SFR. No.2 (2-38x184 SFR. No.2)
MB2 = 3-2"x8" SFR. No.2 (3-38x184 SFR. No.2)
MB3 = 2-2"x10" SFR. No.2 (2-38x235 SFR. No.2)
MB4 = 3-2"x10" SFR. No.2 (3-38x235 SFR. No.2)
MB5 = 2-2"x12" SFR. No.2 (2-38x286 SFR. No.2)
MB6 = 3-2"x12" SFR. No.2 (3-38x286 SFR. No.2)
MB7 = 5-2"x12" SFR. No.2 (5-38x286 SFR. No.2)
MB8 = 4-2"x10" SFR. No.2 (4-38x235 SFR. No.2)
MB12 = 4-2"x12" SFR. No.2 (4-38x286 SFR. No.2)

LOOSE STEEL LINTELS

L1 = 3-1/2"x3-1/2"x1/4" (90x90x6.0L)
L2 = 4"x3-1/2"x5/16" (100x90x8.0L)
L3 = 5"x3-1/2"x5/16" (125x90x8.0L)
L4 = 6"x3-1/2"x3/8" (150x90x10.0L)
L5 = 6"x4"x3/8" (150x100x10.0L)
L6 = 7"x4"x3/8" (175x100x10.0L)

LAMINATED VENEER LUMBER (LVL) BEAMS

LVL1A = 1-1 3/4" x 7 1/4" (1-45x184)
LVL1 = 2-1 3/4" x 7 1/4" (2-45x184)
LVL2 = 3-1 3/4" x 7 1/4" (3-45x184)
LVL3 = 4-1 3/4" x 7 1/4" (4-45x184)
LVL4A = 1-1 3/4" x 9 1/2" (1-45x240)
LVL4 = 2-1 3/4" x 9 1/2" (2-45x240)
LVL5 = 3-1 3/4" x 9 1/2" (3-45x240)
LVL5A = 4-1 3/4" x 9 1/2" (4-45x240)
LVL6A = 1-1 3/4" x 11 7/8" (1-45x300)
LVL6 = 2-1 3/4" x 11 7/8" (2-45x300)
LVL7 = 3-1 3/4" x 11 7/8" (3-45x300)
LVL7A = 4-1 3/4" x 11 7/8" (4-45x300)
LVL8 = 2-1 3/4" x 14" (2-45x356)
LVL9 = 3-1 3/4" x 14" (3-45x356)
LVL10 = 2-1 3/4" x 18" (2-45x456)

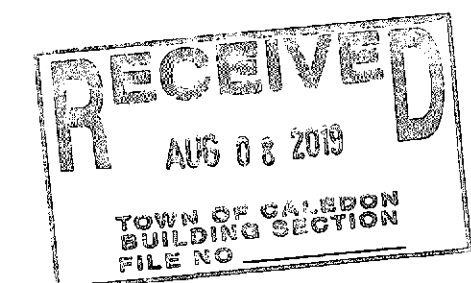
DOOR SCHEDULE

1 = 2'-10" x 6'-8" (865x2033) - INSULATED ENTRANCE DOOR
1a = 2'-8" x 6'-8" (815x2033) - INSULATED FRONT DOORS
2 = 2'-8" x 6'-8" (815x2033) - WOOD & GLASS DOOR
3 = 2'-8" x 6'-8" x 1-3/4" (815x2033x45) - EXTERIOR SLAB DOOR
4 = 2'-8" x 6'-8" x 1-3/8" (815x2033x35) - INTERIOR SLAB DOOR
5 = 2'-6" x 6'-8" x 1-3/8" (760x2033x35) - INTERIOR SLAB DOOR
6 = 2'-2" x 6'-8" x 1-3/8" (660x2033x35) - INTERIOR SLAB DOOR
7 = 1'-6" x 6'-8" x 1-3/8" (460x2033x35) - INTERIOR SLAB DOOR

LEGEND

DJ	DOUBLE JOIST
TJ	TRIPLE JOIST
GT	GIRDER TRUSS
X	POINT LOAD
DI	SOLID WOOD BEARINGS. SOLID BEARINGS TO BE WIDE AT LEAST AS SUPPORTED MEMBER. MIN. 3 PIECES.
---	LOAD-BEARING WALL
---	TWO-STORY WALL. SEE NOTE 39
---	FLAT ARCH
F.D.	FLOOR DRAIN
SA	SMOKE ALARM. SEE NOTE 43
SA	SMOKE ALARM & CARBON MONOXIDE ALARM. SEE NOTE 44

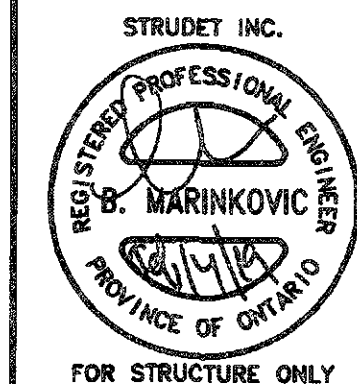
THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE



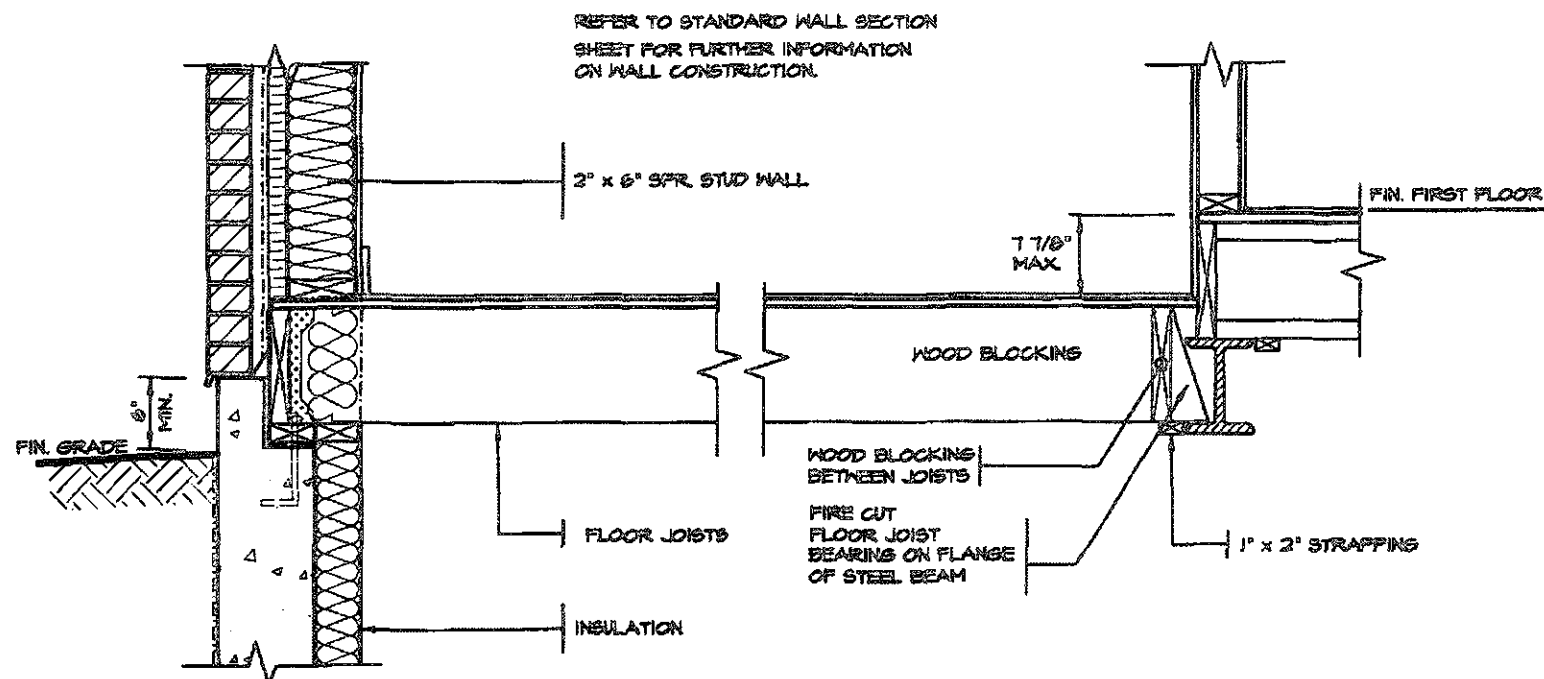
ENERGY STAR V-17 ESCC MODEL



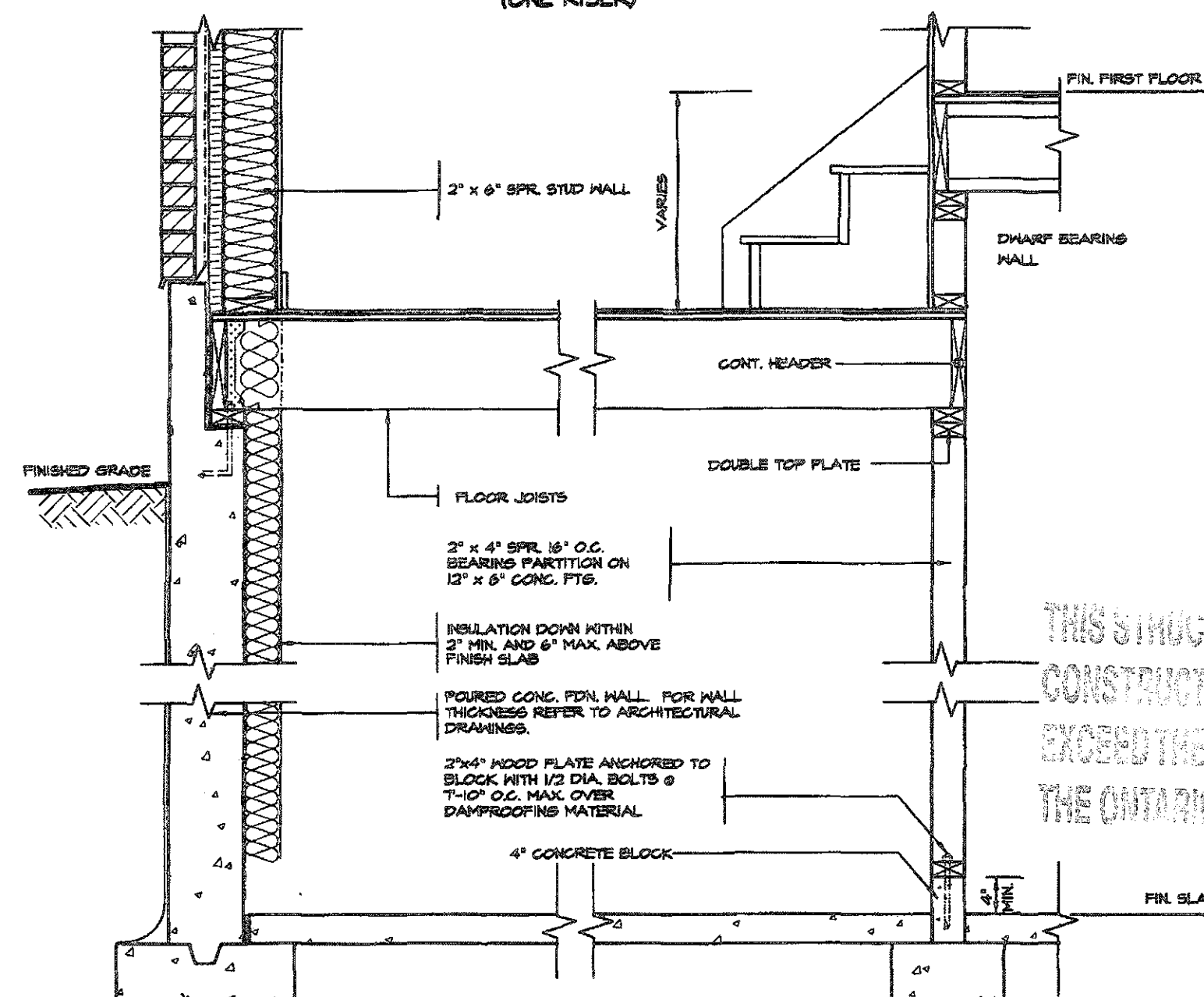
PROJECT NAME
STANDARD NOTES
LAMBERTS LANE II



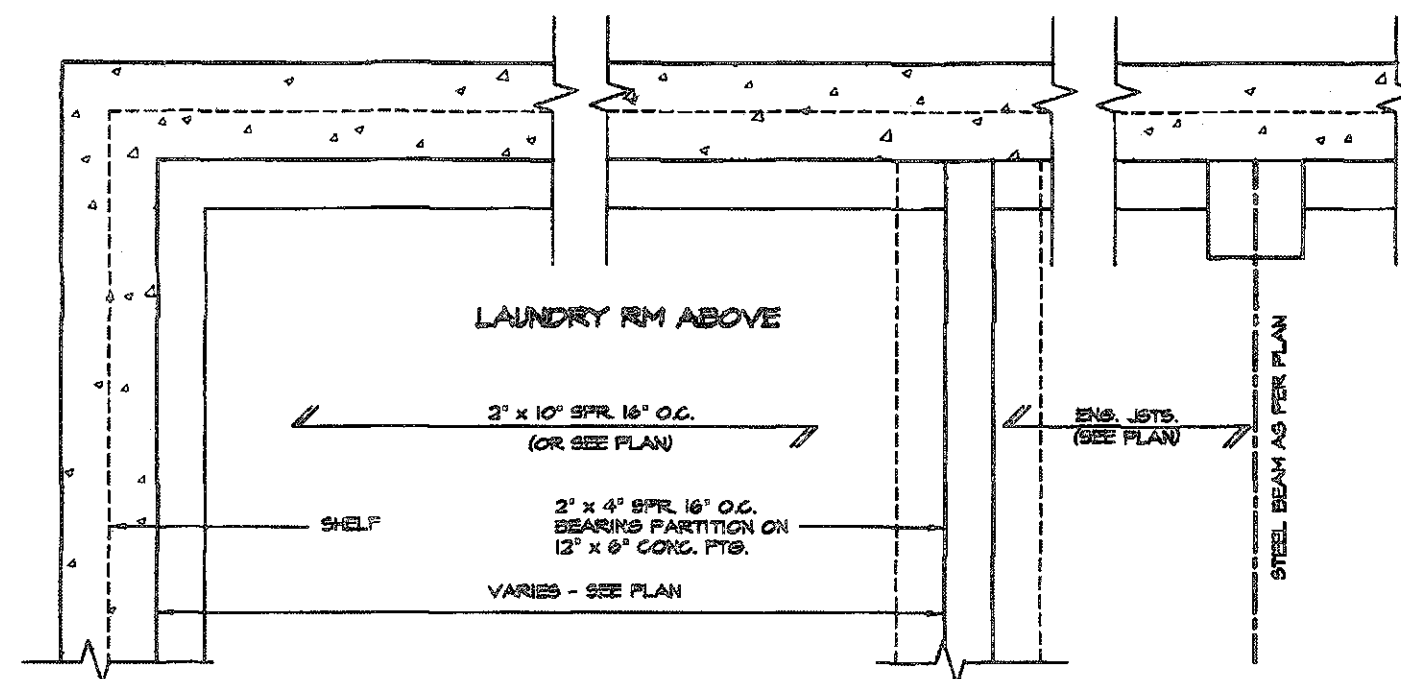
5.		The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer. QUALIFICATION INFORMATION Required unless design is exempt under Division C, Subsection 3.2.5 of the building code VIKAS GAJJAR 28770 NAME SIGNATURE BCIN	REGION DESIGN INC. 8700 DUFFERIN ST. CONCORD, ONTARIO L4K 4S6 P (416) 736-4096 F (905) 680-0746	SHEET TITLE LAMBERTS LANE II	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.	SCALE N.T.S.	BY	AREA	PAGE No. 2	PROJECT 00-00-00	PROJECT NAME STANDARD NOTES LAMBERTS LANE II
4.											
3.											
2.											
1.	REVISED FROM TRINAR FEB 19										
REVISIONS											



DETAIL OF SUNKEN LAUNDRY
(ONE RISER)

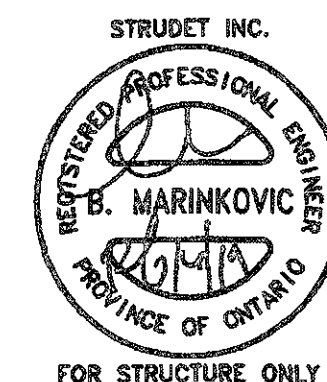
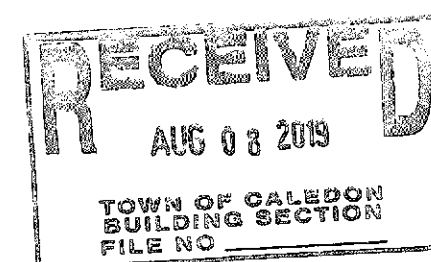


DETAIL OF SUNKEN LAUNDRY
(MORE THAN ONE RISER)



PARTIAL PLAN

THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE



5.		
4.		
3.		
2.		
1.	REVISED FROM TRINAR HALL HOMES INC.	FEB 2019
REVISIONS		

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

VIKAS GAJJAR
NAME SIGNATURE

28770
BCIN

REGION DESIGN INC.
8700 GUFFERIN ST.
CONCORD, ONTARIO
L4K 4S6
P (416) 736-4086
F (905) 660-0746

REGION
DESIGN
INC.

SHEET TITLE
SUNKEN
LAUNDRY DETAILS

SCALE
3/4"=1'-0"

DATE
FEB 2019

CONTRACTOR SHALL CHECK ALL
DIMENSIONS AND ELEVATIONS BEFORE
COMMENCING WITH WORK AND REPORT
ANY DISCREPANCIES TO THE DESIGNER.
PRINTS ARE NOT TO BE SCALED.

AREA
PROJECT

PAGE No.
4

PROJECT NAME
STANDARD DETAILS
LAMBERTS LANE II

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 'W' CLIPS FOR TRUSSES

STARTER STRIP OF ROOF SHINGLES REQUIRED

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

BAFFLES AS REQUIRED FOR ROOF VENTILATION

PROVIDE ROOF VENTILATION @ A RATE OF 1:800 OF INSULATED CEILING AREA UNIFORMLY DISTRIBUTED

CONVENTIONAL ROOF RAFTERS AND CEILING JOISTS OR ROOF TRUSSES @ 24" o.c. MAX.

CEILING JOISTS (SEE PLAN)

TOP OF WOOD PLATE

1/2" (12mm) DRYWALL FINISH OVER CONT. 6 MIL. POLY VAPOUR/AIR BARRIER & MIN. R-60 INSULATION

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: WOOD BLOCKING AS PER MANUFACTURER

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

4" FACE BRICK TIED TO STUDS WITH GALVANIZED 1/8" WIDE METAL TIES @ 16" o.c. HORIZONTAL AND 24" o.c. VERTICAL

1" AIR SPACE

#15 BUILDING PAPER OVER MIN. R-5 RIGID INSULATION, 2"x6" SPR. STUDS @ 16" c. FILLED WITH MIN. R-22 BATT INSULATION (TOTAL MIN. R-27) AND 6 MIL. POLY VAPOUR BARRIER

CONTINUOUS HEADER JOIST 1/2" FOUND SPRAY FOAM INSULATION (R-5 VALUE MIN) & ROXUL COMFORTBATT (R-22 VALUE) INSTALLED IN FRONT OF FOAM AS FIRE STOP. 6 MIL. VAPOUR BARRIER AND SEAL TO JOIST AND SUBFLOOR

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

FIN. GRADE

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 PLANTION AIR GAP MEMBRANE"

CEMENT COVE

4" DIA. KEEPING TILES 1/2" CRUSHED STONE COVER

FIN. SLAB

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

DETAIL FOR INTERIOR GARAGE WALLS & CEILINGS

1/2" (12mm) DRYWALL FINISH OVER CONT. 6 MIL. POLY VAPOUR/AIR BARRIER & MIN. R-60 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

GARAGE

#15 BUILDING PAPER OVER MIN. R-5 RIGID INSULATION, 2"x6" SPR. STUDS @ 16" c. FILLED WITH MIN. R-22 BATT INSULATION (TOTAL MIN. R-27) AND 6 MIL. POLY VAPOUR BARRIER

1/2" GYPSUM BOARD CEILING FINISH

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

DOUBLE TOP PLATE

WALL FLASHING

KEEP HOLES

PROTECTION REQ'D FOR FRAMING MEMBERS

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

DOVE TAIL TIES @ 8" o.c. VERT. & 36" o.c. HORIZ.

SOLID MORTAR FILL

FIN. GRADE

SLOPE

2" FOUNDATION WALL WHEN VENEER CUT IS EQUAL OR LESS THAN 26". 10" FOUNDATION WALL WHEN VENEER CUT IS MORE THAN 26".

DETAIL FOR CONCRETE VENEER DROPPED GRADE

EVERY OTHER BRICK IS OMITTED TO TIE IN CONC SLAB MIN. 4" INTO FOUND. WALL

WALL FLASHING

KEEP HOLES

CAULKING

SLOPE

5" MIN. REINF. CONC. PORCH SLAB. SEE ARCHITECTURAL DRAWINGS.

3" MIN. BEARING

R-20 INSULATION

FOUNDATION WALL

COLD CELLAR

PROTECTION REQ'D FOR FRAMING MEMBERS

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

DOVE TAIL TIES @ 8" o.c. VERT. & 36" o.c. HORIZ.

SOLID MORTAR FILL

FIN. GRADE

SLOPE

2" FOUNDATION WALL WHEN VENEER CUT IS EQUAL OR LESS THAN 26". 10" FOUNDATION WALL WHEN VENEER CUT IS MORE THAN 26".

COLD CELLAR

PROTECTION REQ'D FOR FRAMING MEMBERS

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

DOVE TAIL TIES @ 8" o.c. VERT. & 36" o.c. HORIZ.

SOLID MORTAR FILL

FIN. GRADE

SLOPE

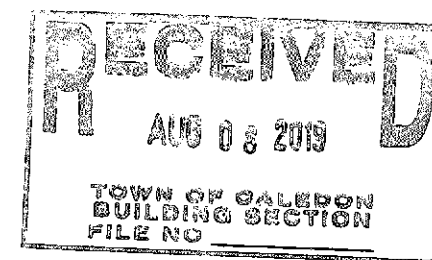
2" FOUNDATION WALL WHEN VENEER CUT IS EQUAL OR LESS THAN 26". 10" FOUNDATION WALL WHEN VENEER CUT IS MORE THAN 26".

COLD CELLAR

STRUDET INC.



FOR STRUCTURE ONLY



ESCC MODEL

Greenpark

PROJECT NAME
STANDARD DETAILS
LAMBERTS LANE II

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

VIKAS GAJJAR

SIGNATURE

28770

BCIN

REGION DESIGN INC.

6700 DUFFERIN ST.

CONCORD, ONTARIO

L4K 4S6

P (416) 736-0086

F (905) 650-0746

REGION
DESIGN
INC.

SHEET TITLE

2 STOREY SECTION
2"x6" BRICK VENEER
ENERGY STAR

SCALE

3/4"=1'-0"

DATE

FEB 2019

BY

TYPE

PROJECT

CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.

AREA

PAGE No.

5

REVISIONS	
1. REVISED FROM TRINAR HALL HOMES INC.	FEB 2019

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 'H' OR TYPE 'S' ASPHALT COATED ROOFING SHEETS.

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

STARTER STRIP OF ROOF SHINGLES REQUIRED

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

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

MESH BACKDRAINED

- FIN. COAT OF EXTERIOR ACRYLIC STUCCO
- FIBER MESH EMBEDDED IN PREP COAT
- INSULATION BOARD, (MIN. R5) 1/4" GEOMETRICALLY DEFINED DRAINAGE CAVITY HAVING A MIN. CAVITY DEPTH OF 1/4"
- AIR/MOISTURE BARRIER
- 1/8" EXTERIOR GRADE OSB SHEATHING
- 2" X 6" STUDS
- MIN. R-22 BATT INSULATION
- CONT. VAPOUR / AIR BARRIER
- 1/2" DRYWALL

(EFG APPROVED SYSTEM, ALL MATERIALS AND SYSTEMS SHALL CONFORM TO CANULC-ST16.1)

CONCRETE SILL

CONTINUOUS HEADER JOIST 1/2" POUND SPRAY FOAM INSULATION (R-5 VALUE MIN.) & ROXUL COMFORTBATT (R-22 VALUE) INSTALLED IN FRONT OF FOAM AS FIRE STOP. 6 MIL. VAPOUR BARRIER AND SEAL TO JOIST AND SUBFLOOR

4" FACE BRICK TIED TO STUDS WITH GALVANIZED 1/8" WIDE METAL TIES @ 16" O.C. HORIZONTAL AND 24" O.C. VERTICAL

SCREENED KEEPING HOLES 5/8" DIA. AT 24" O.C. AT BOTTOM OF CAVITY & MIL. POLYETHYLENE BASE FLASHING BENEATH KEEPINGS 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. KEEPING TILES 1/8" CRUSHED STONE COVER

CONC. FOOTING CAN FORMED KEYWAY ON NATURAL UNDISTURBED SOIL. FOR FOOTING SIZES SEE ARCHITECTURAL DRAWINGS.

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-60 INSULATION

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, WOOD BLOCKING AS PER MANUFACTURER

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 4'-0" O.C. MIN. 4" INTO FOUNDATION WALL

R-20 INSULATION DOWN WITHIN 2" MIN. AND 6" 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

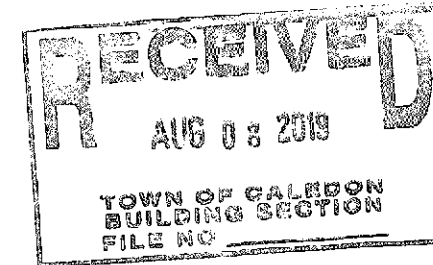
FINISHED SLAB

STRUDET INC.



FOR STRUCTURE ONLY

THIS DOCUMENT MUST BE CONSIDERED TO MEET OR EXCEED THE PROVISIONS OF THE ONTARIO BUILDING CODE



WOOD SHEATHING

AIR/MOISTURE BARRIER

FIBRE MESH EMBEDDED IN PREP COAT

INSULATION BOARD (R-5) MIN. 1/4" GEOMETRICALLY DEFINED DRAINAGE CAVITY HAVING A MIN. CAVITY DEPTH OF 1/4"

STARTER MESH (BACKDRAINED)

CAULK WITH BEAD VENT

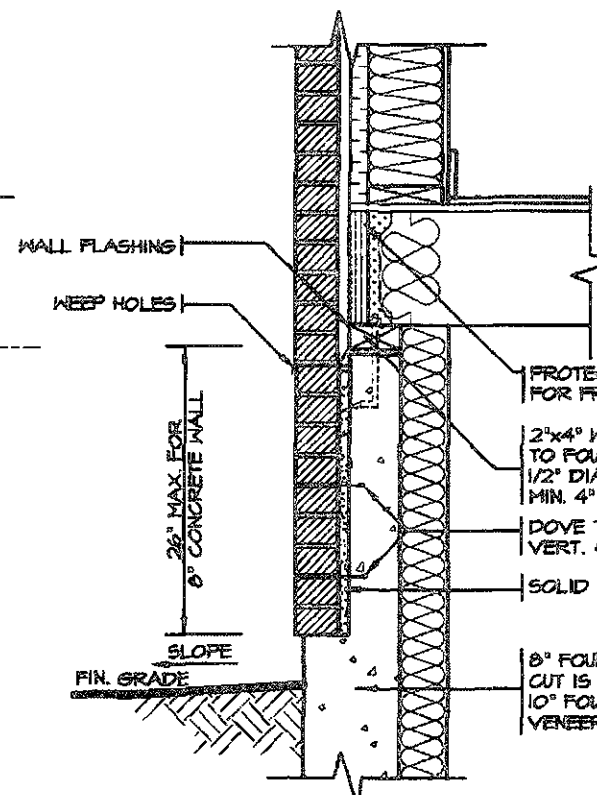
FLASHING

CONCRETE SILL

MASONRY CLADDING AS PER ELEVATION

A. TERMINATION AT MASONRY CLADDING WITH SEALANT 1

1 1/2" = 1'0"



DETAIL FOR CONCRETE VENEER DROPPED GRADE

3/4" = 1'0"

EVERY OTHER BRICK IS OMITTED TO TIE IN CONC. SLAB MIN. 4" INTO FOUND. WALL

WALL FLASHING

KEEP HOLES

CAULKING

SLOPE

PROTECTION REQ'D FOR FRAMING MEMBERS

2"x4" WOOD PLATE ANCHORED TO FOUNDATION WALLS WITH 1/2" DIA. BOLTS AT 4'-0" O.C. MIN. 4" INTO FOUNDATION WALL

DOVE TAIL TIES @ 6" O.C. VERT. & 36" O.C. HORIZ.

SOLID MORTAR FILL

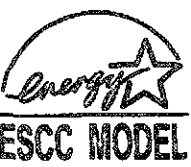
8" FOUNDATION WALL WHEN VENEER CUT IS EQUAL OR LESS THAN 26"

10" FOUNDATION WALL WHEN VENEER CUT IS MORE THAN 26"

COLD CELLAR

DETAIL FOR COLD CELLAR PORCH SLAB

3/4" = 1'0"



NO.	REVISIONS	DATE
5.		
4.		
3.		
2.		
1.	REVISED FROM TRINAR HALL HOMES INC.	FEB 2019

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

VIKAS GAJJAR 28770

NAME SIGNATURE BCIN

REGION DESIGN INC.

8700 DUFFERIN ST.

CONCORD, ONTARIO

L4K 4S6

P (416) 736-4086

F (905) 880-0746

REGION DESIGN INC.

SHEET TITLE

2"X6" STUCCO WALL

2 STOREY SECTION

SCALE AS NOTED

DATE FEB 2019

BY

TYPE

CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.

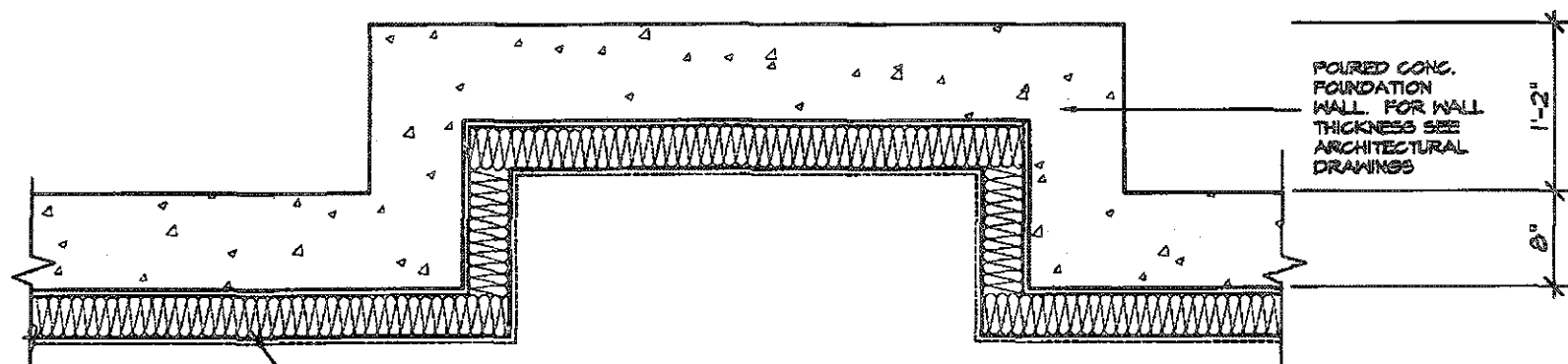
AREA

PAGE NO. 5-2

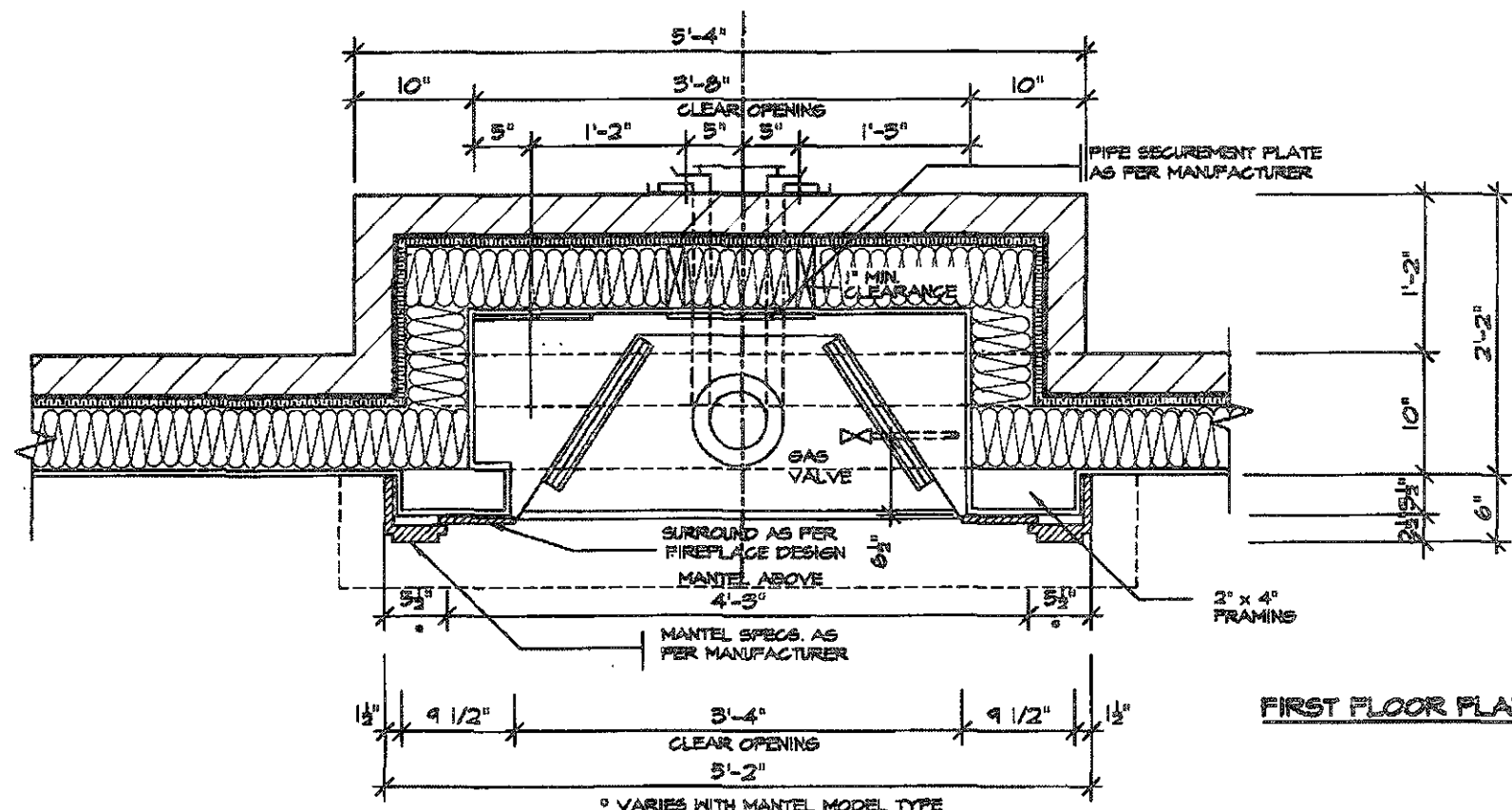
PROJECT 00-00-00

PROJECT NAME STANDARD DETAILS LAMBERTS LANE II

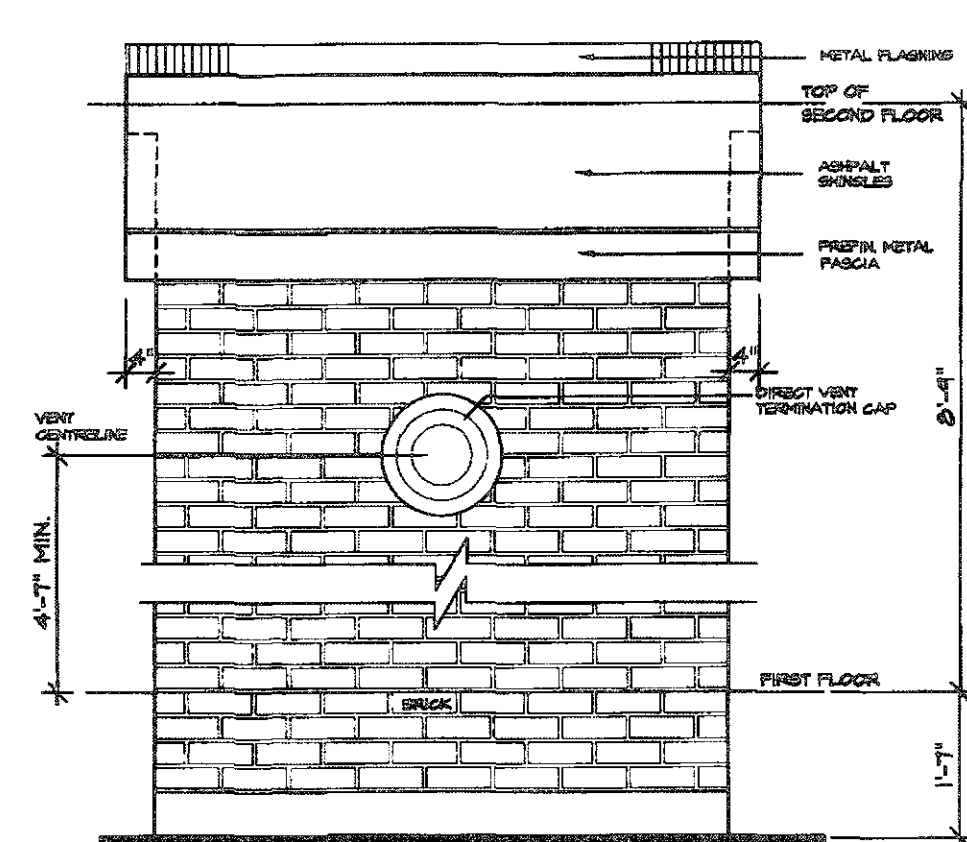
Greenpark



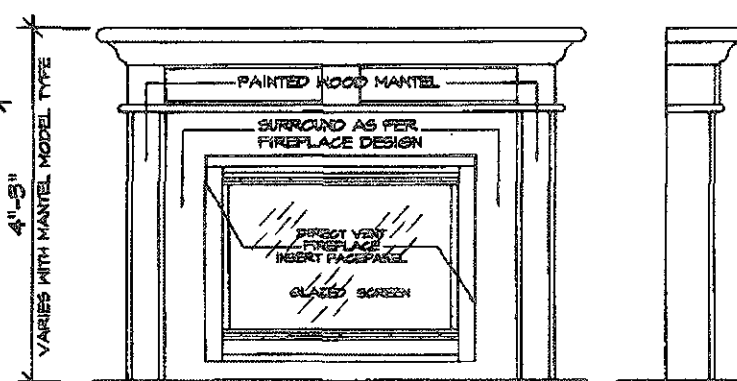
BASEMENT PLAN



FIRST FLOOR PLAN



EXTERIOR ELEVATION
NOT TO SCALE

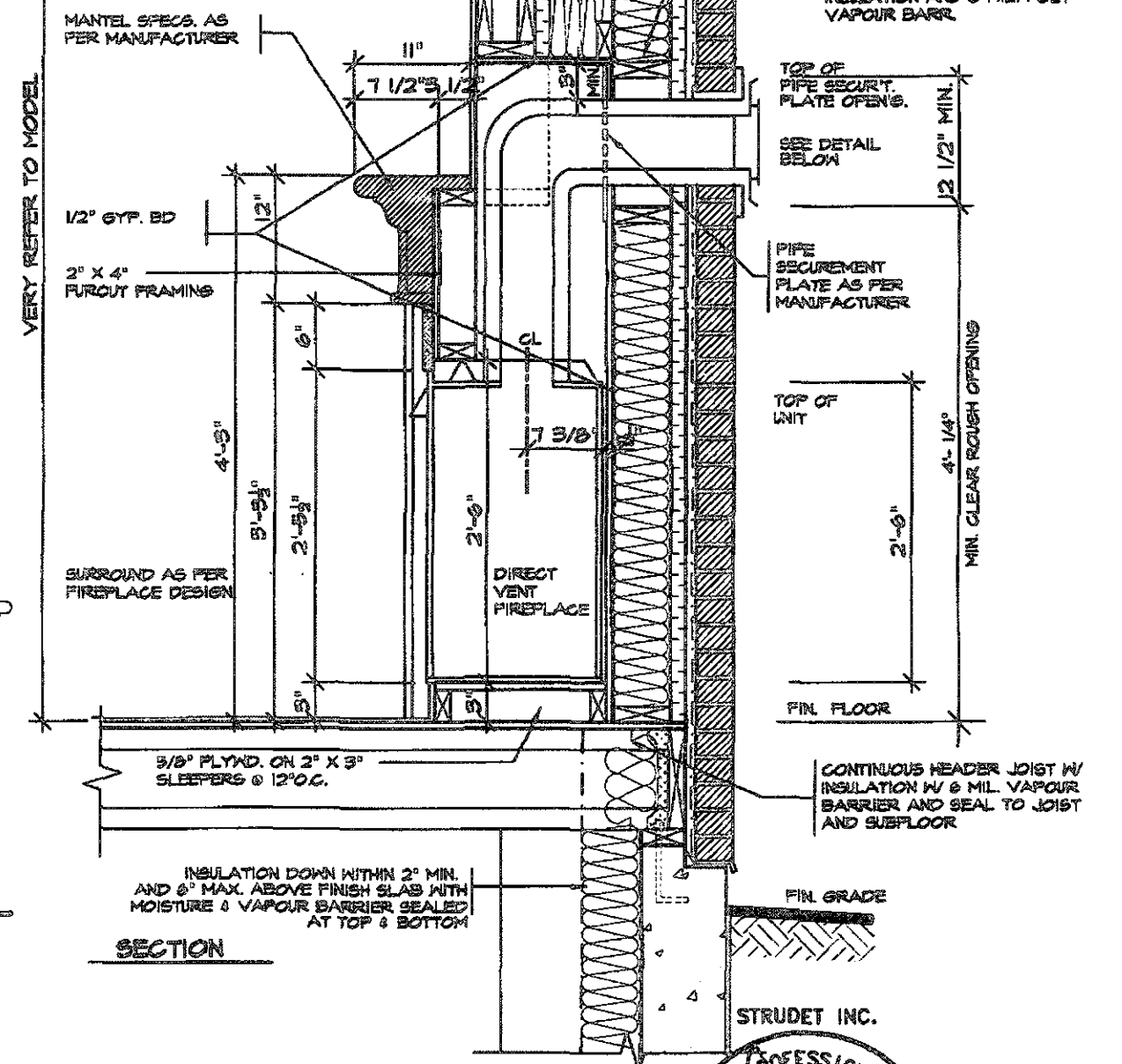


FRONT/SIDE ELEVATION
NOT TO SCALE

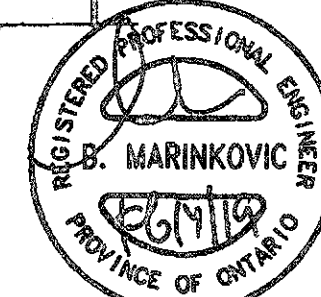
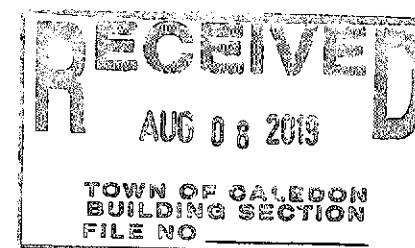
GENERAL INSTALLATION NOTES

- 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 5"
 - 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.

THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE



SECTION



FOR STRUCTURE ONLY



5.		
4.		
3.		
2.		
1.	REVISED FROM TRINAR HALL HOMES INC.	FEB 2019
REVISIONS		

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

VIKAS GAJJAR
NAME SIGNATURE

28770
BCIN

REGION DESIGN INC.
8700 DUFFERIN ST.
CONCORD, ONTARIO
L4K 4S6
P (416) 738-4098
F (905) 660-0746

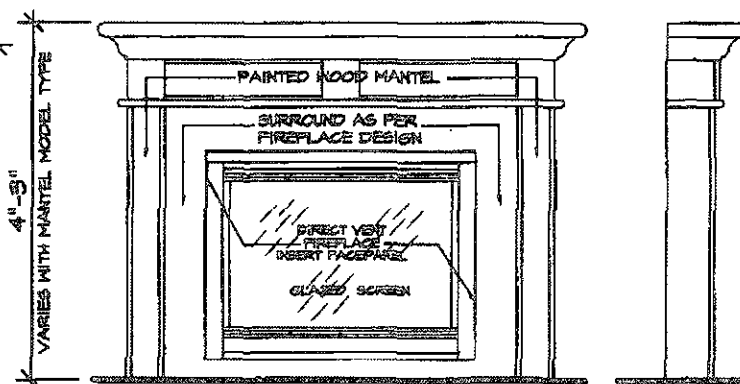
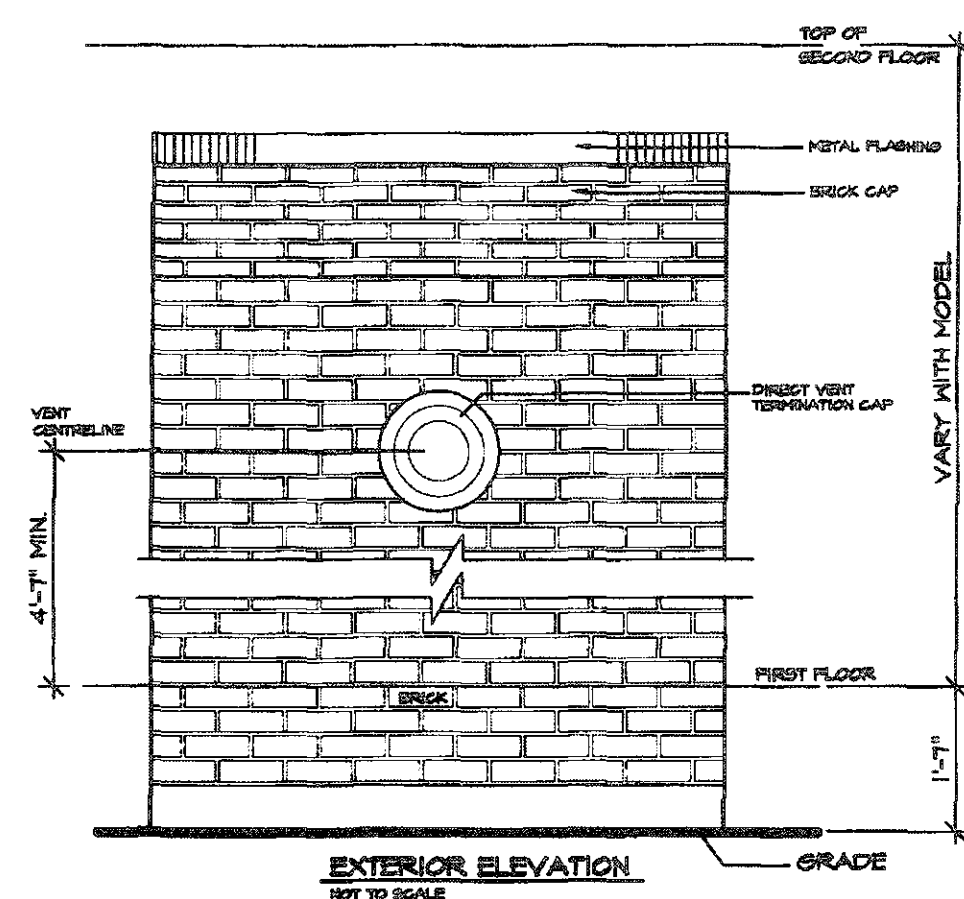
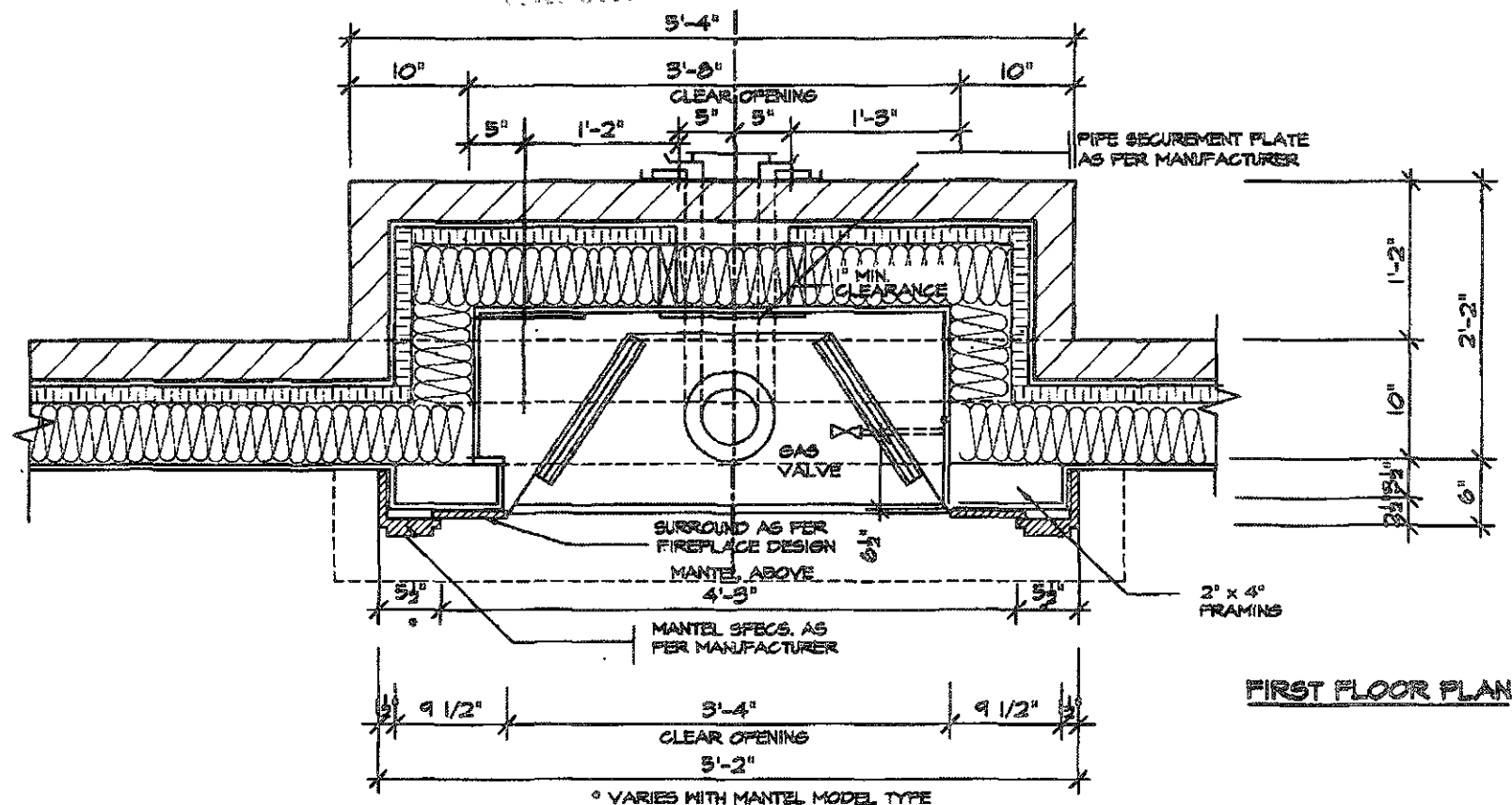
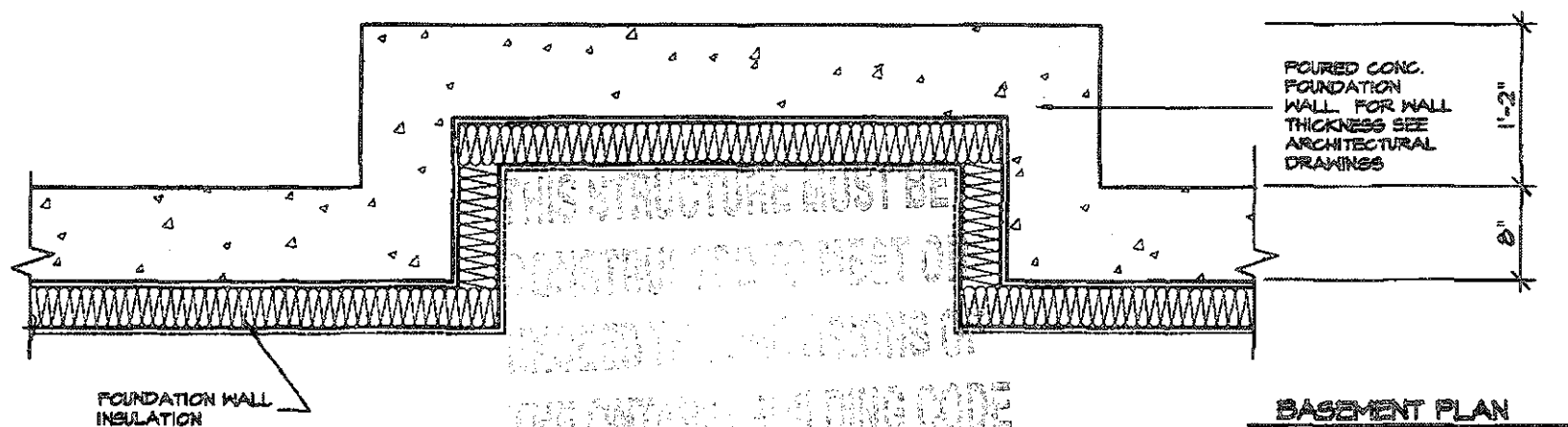
REGION
DESIGN
INC.

SHEET TITLE DIRECT VENT FIREPLACE	
SCALE 3/4"=1'-0"	BY
DATE FEB 2019	TYPE

CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.	AREA	PAGE No. 6
PROJECT		

Greenpark.

PROJECT NAME
STANDARD DETAILS
LAMBERTS LANE II



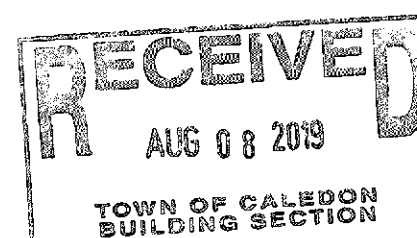
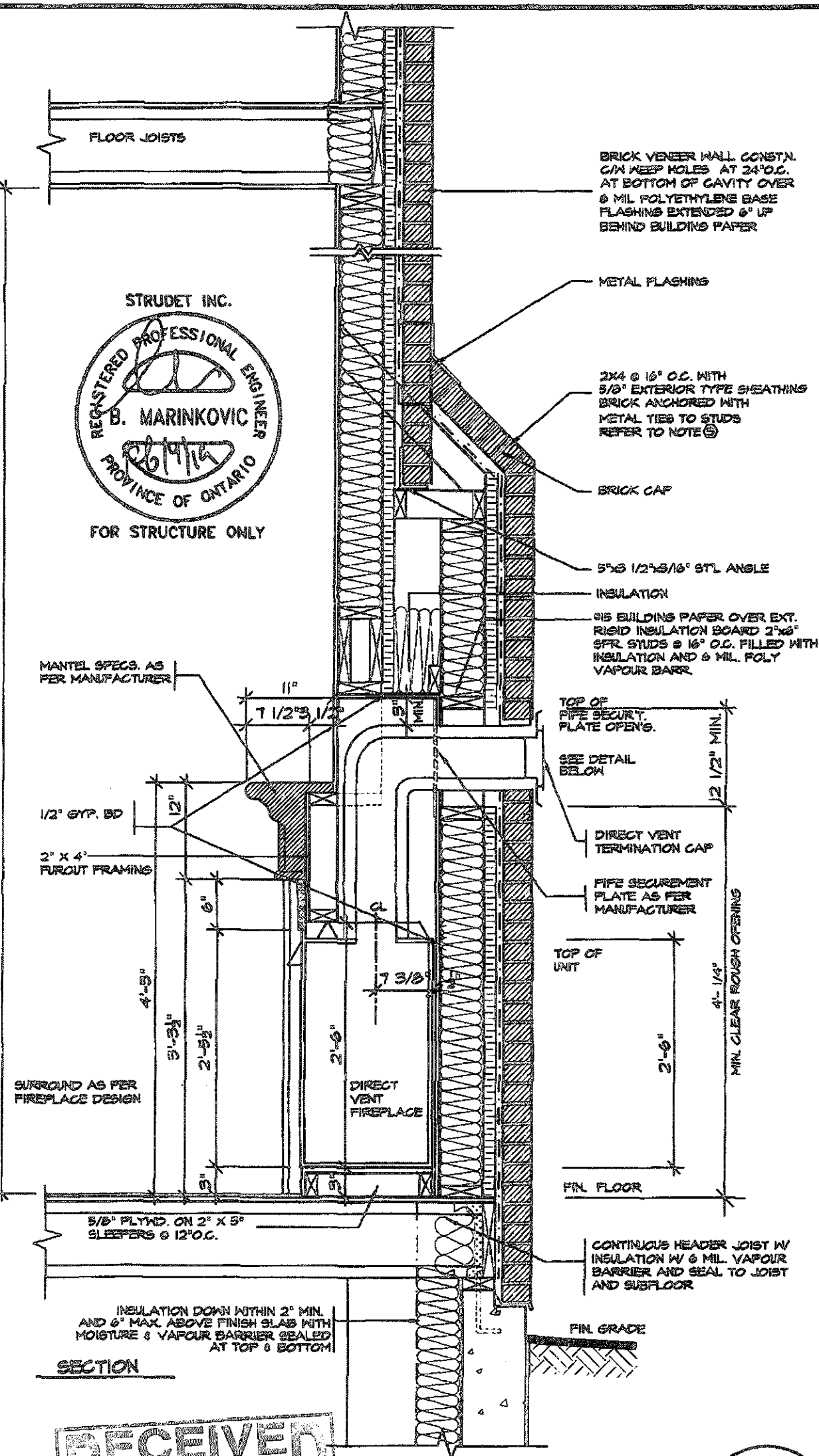
FRONT/SIDE ELEVATION

NOT TO SCALE

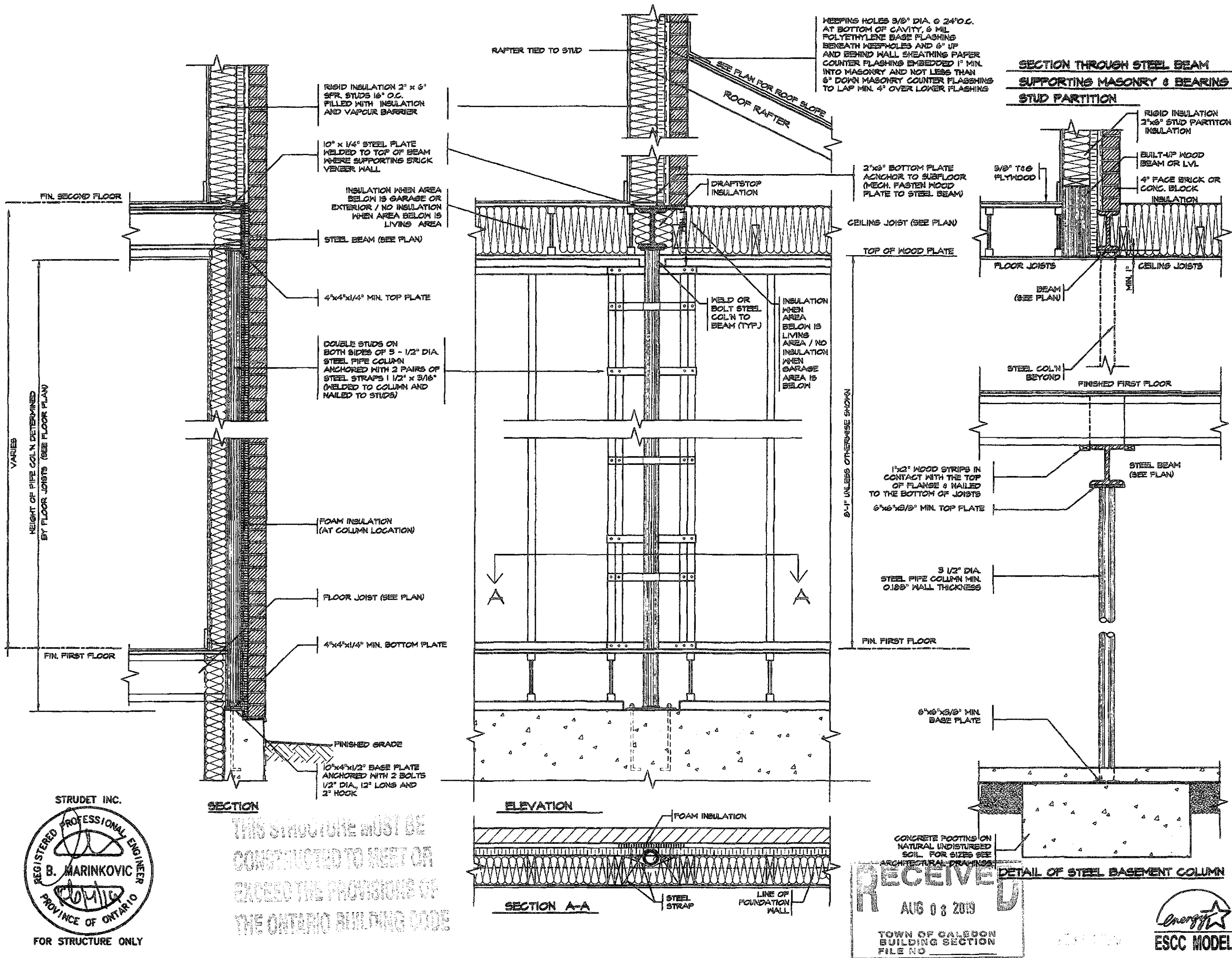
GENERAL INSTALLATION NOTES

- 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.
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 - FROM BACK OF UNIT 1/2"
 - FROM SIDES OF UNIT 1/2"
 - FROM TOP OF HORIZ. VENT 9"
 - FROM SIDES TO VENT 1"
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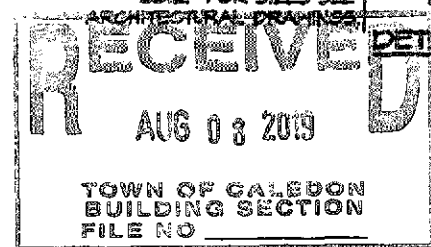
VARY REFER TO MODEL



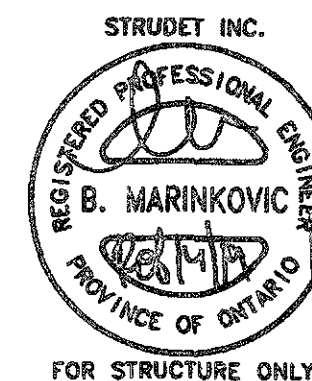
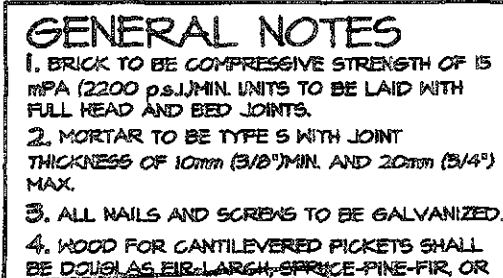
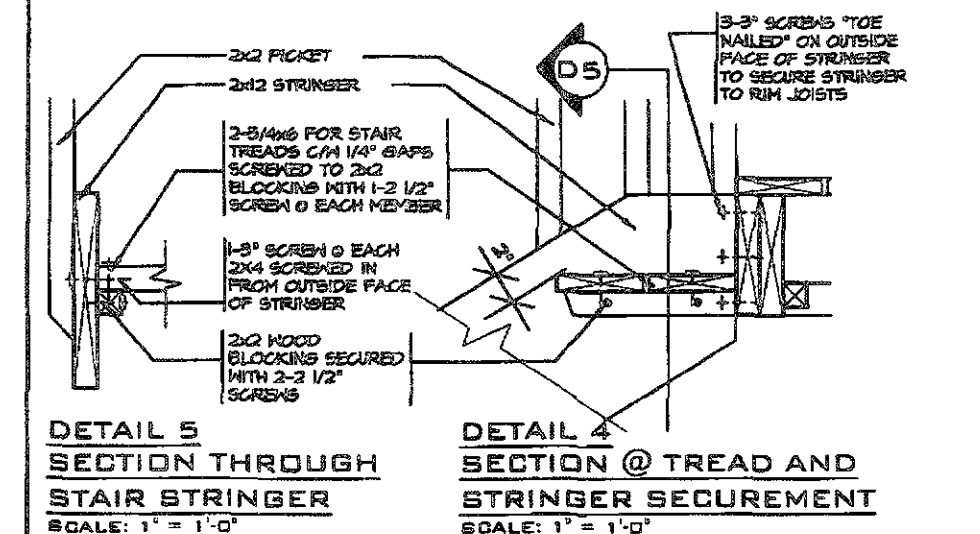
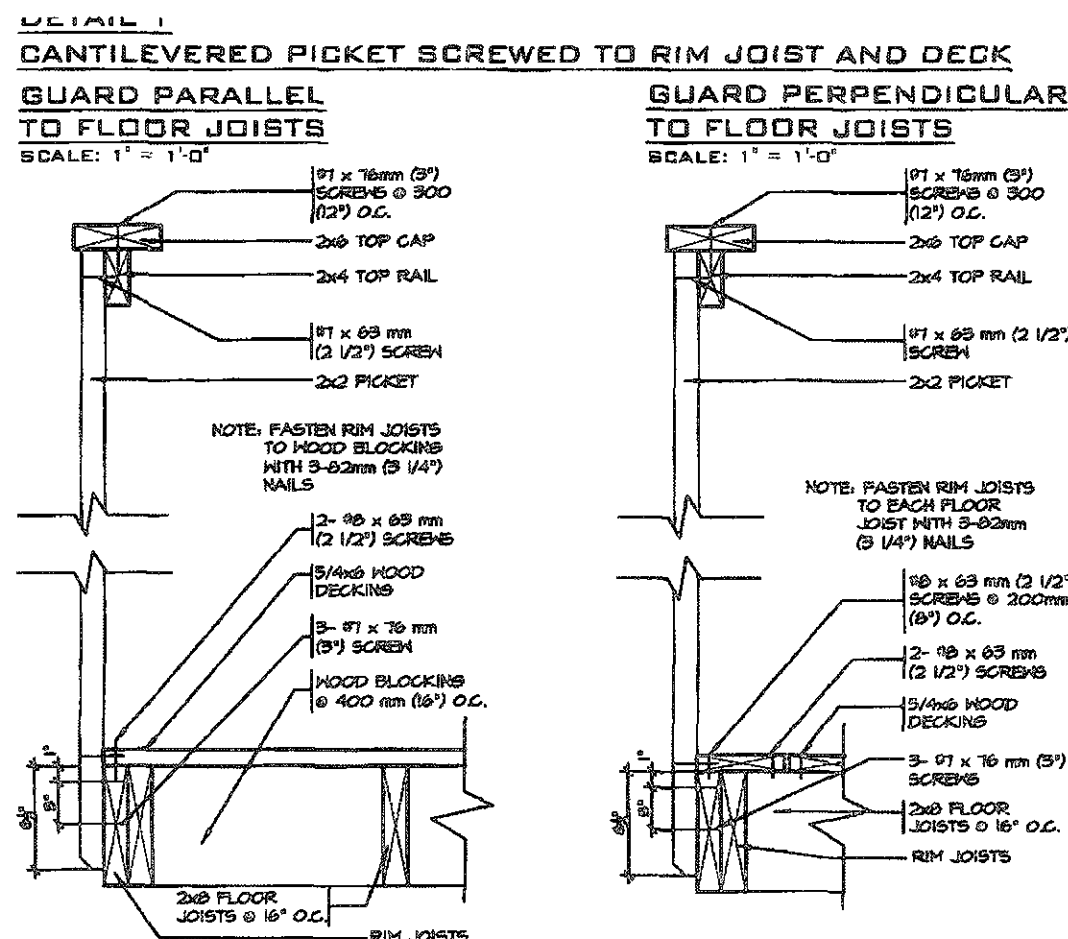
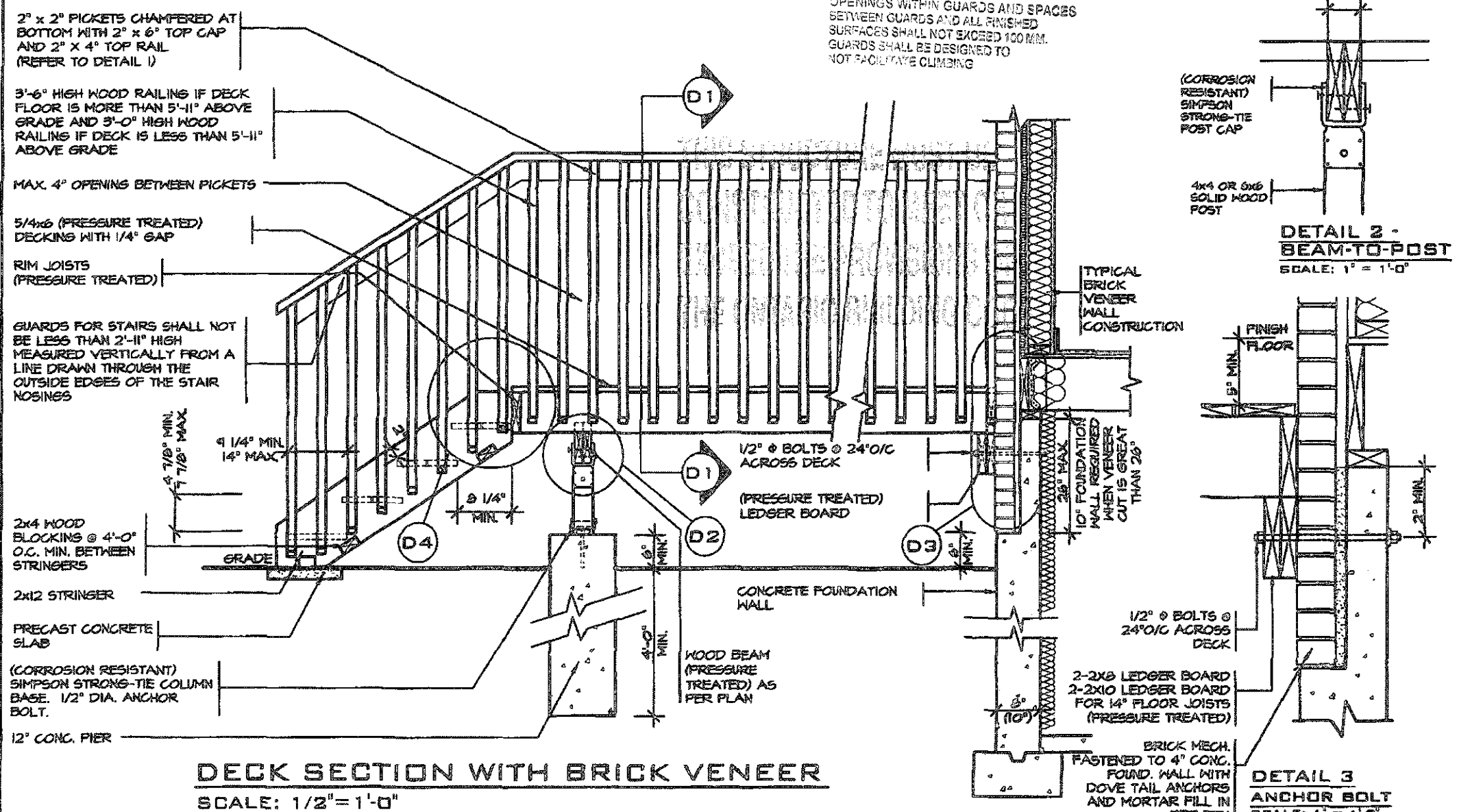
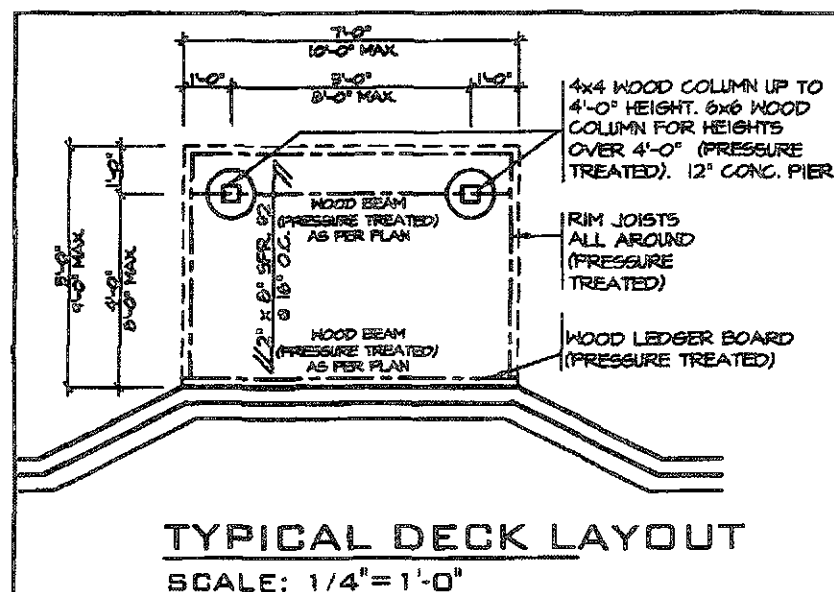
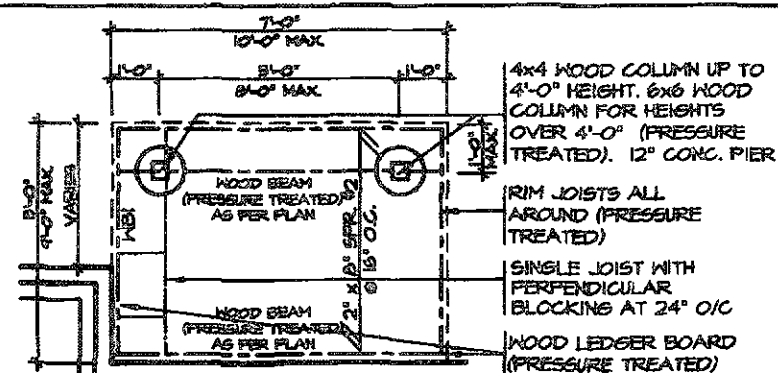
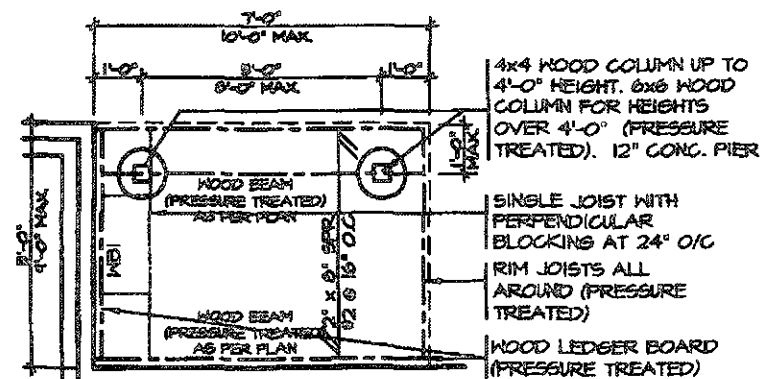
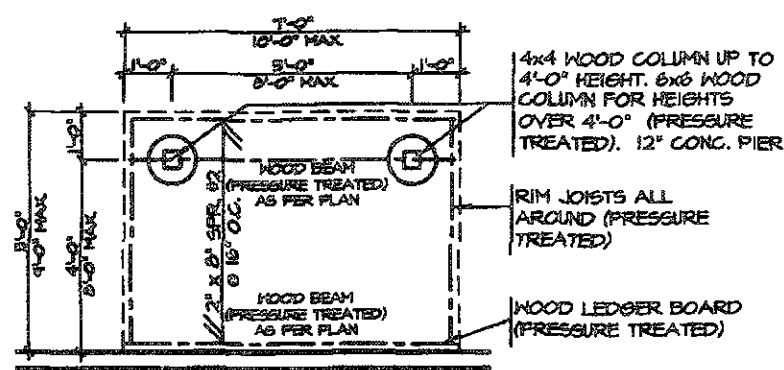
REVISIONS 1. REVISED FROM TRINAR HALL HOMES INC. FEB 2019	The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer. QUALIFICATION INFORMATION Required unless design is exempt under Division C, Subsection 3.2.5 of the building code VIKAS GAJJAR NAME SIGNATURE 28770 BCIN	REGION DESIGN INC. 3700 DUFFERIN ST. CONCORD, ONTARIO L4K 4S8 P (416) 736-4095 F (905) 660-0745	SHEET TITLE DIRECT VENT FIREPLACE WITH BRICK CAP SCALE 3/4"=1'-0" DATE FEB 2019 BY TYPE AREA PROJECT PAGE No. 6-2	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED. PROJECT NAME STANDARD DETAILS LAMBERTS LANE II
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EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE



5. 4. 3. 2. 1. REVISED FROM TRINAR HALL HOMES INC. FEB 2019 REVISIONS	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 VIKAS GAJJAR NAME 28770 SIGNATURE BCIN	REGION DESIGN INC. 8700 DUFFERIN ST. CONCORD, ONTARIO L4K 4S6 P (416) 736-4098 F (905) 660-0748	REGION DESIGN INC.	SHEET TITLE STEEL COLUMN DETAILS SCALE 3/4"=1'-0" DATE FEB 2019 BY TYPE	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED. AREA PAGE No. 7	PROJECT NAME STANDARD DETAILS LAMBERTS LANE II
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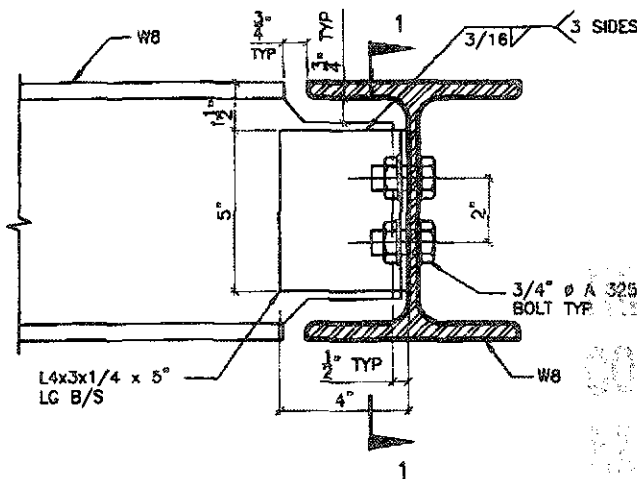


AUG 08 2019

TOWN OF CALEDON
BUILDING SECTION
FILE NO

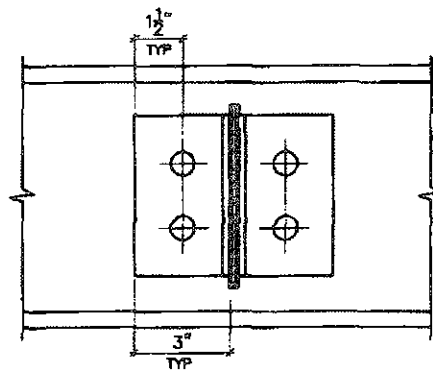
 ESCC MODE

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4.					WOOD DECK DETAIL				
3.					SCALE AS SHOWN	BY	AREA	PAGE No.	
2.					DATE FEB 2019	TYPE	PROJECT 00-00-00	8	
1.	REVISED FROM TRINAR HALL HOMES INC. JAN 18				REVISIONS				

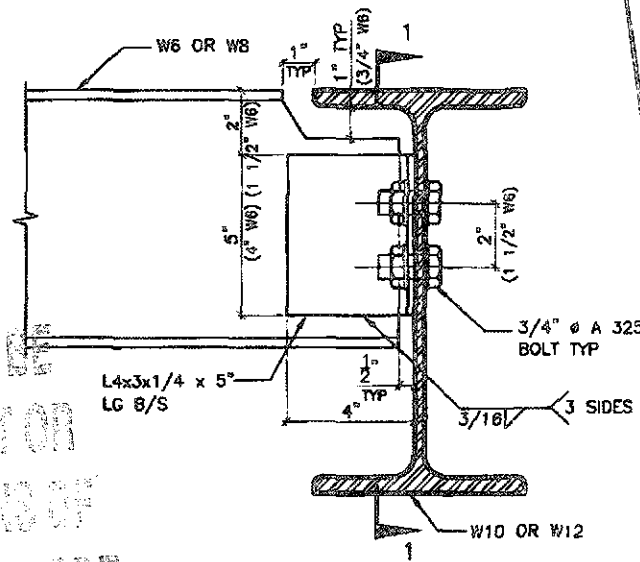


DETAIL 1.

W8
TO
W8
CONNECTION

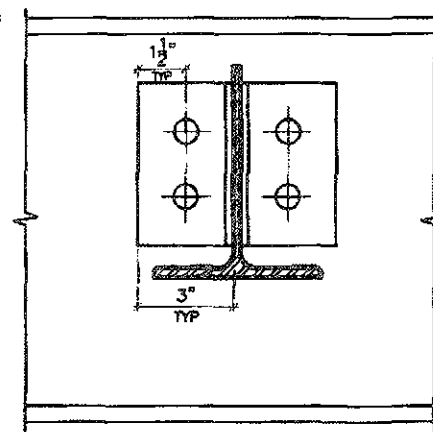


SECTION 1-1

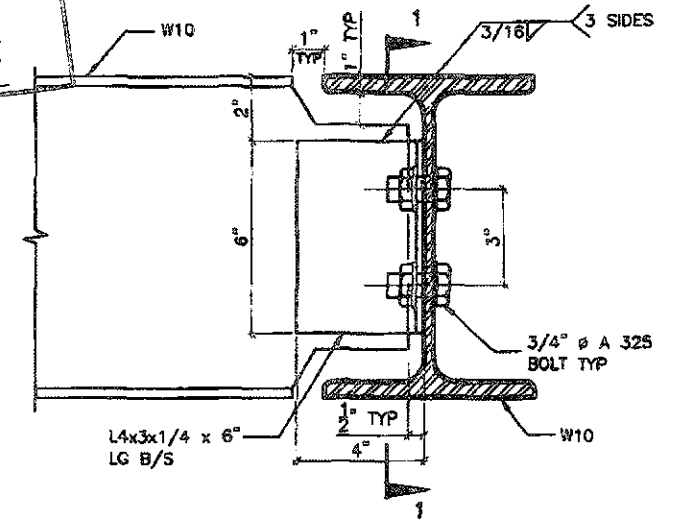


DETAIL 2.

W6(W8)
TO
W10(W12)
CONNECTION

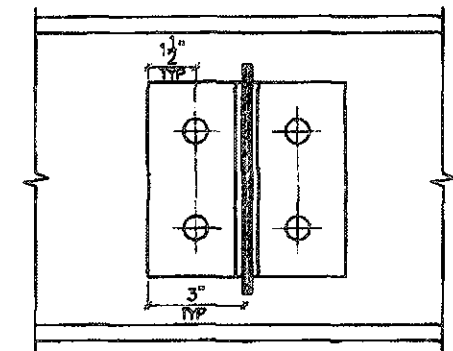


SECTION 1-1

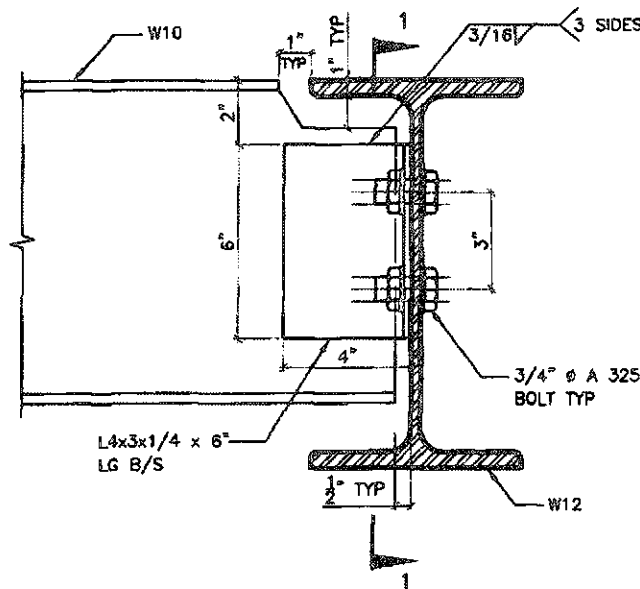


DETAIL 3.

W10
TO
W10
CONNECTION

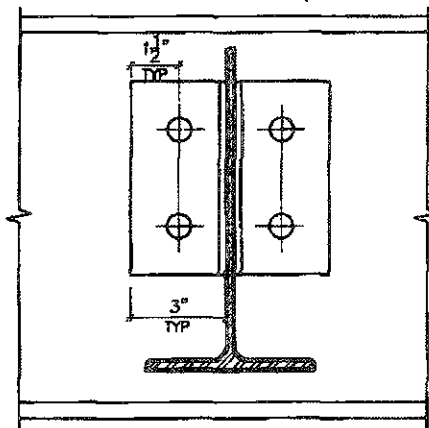


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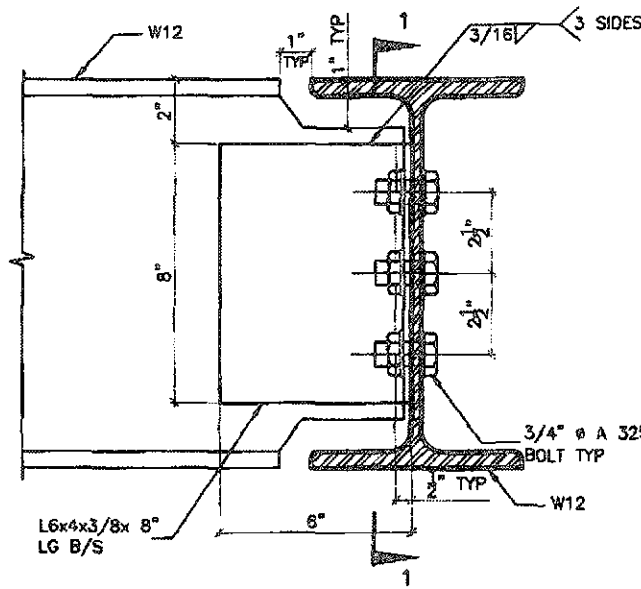


DETAIL 4.

W10
TO
W12
CONNECTION

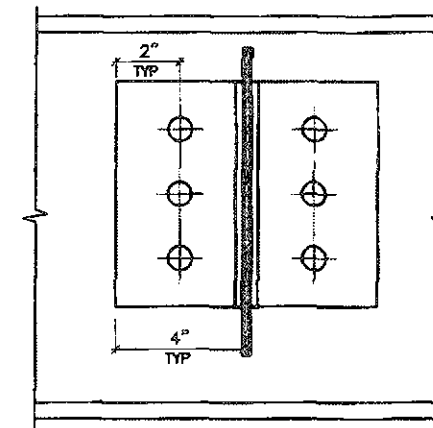


SECTION 1-1

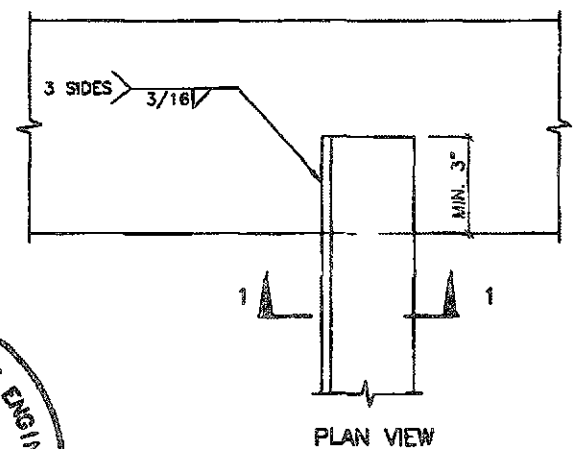


DETAIL 5.

W12
TO
W12
CONNECTION



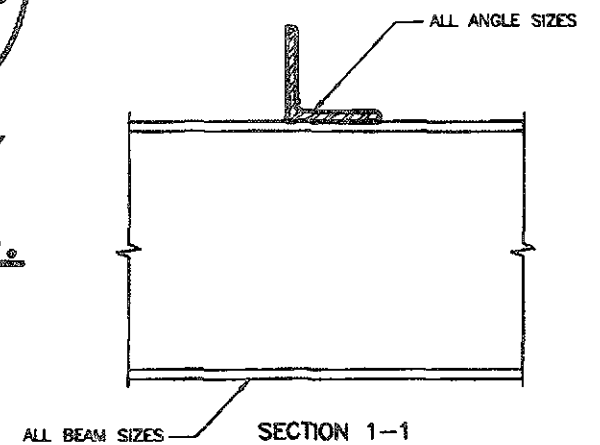
SECTION 1-1



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

DETAIL 6.

ANGLE
TO
BEAM
CONNECTION



SECTION 1-1



5.		
4.		
3.		
2.		
1.	REVISED FROM TRINAR HALL HOMES INC.	FEB 2019
REVISIONS		

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QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.5 of the building code
VIKAS GAJJAR
NAME
SIGNATURE
28770
BCIN

REGION DESIGN INC.
8700 DUFFERIN ST.
CONCORD, ONTARIO
L4K 4S6
P (416) 735-4056
F (800) 680-0748

**REGION
DESIGN
INC.**

SHEET TITLE STEEL BEAM DETAILS	
SCALE N.T.S.	BY
DATE FEB 2019	TYPE

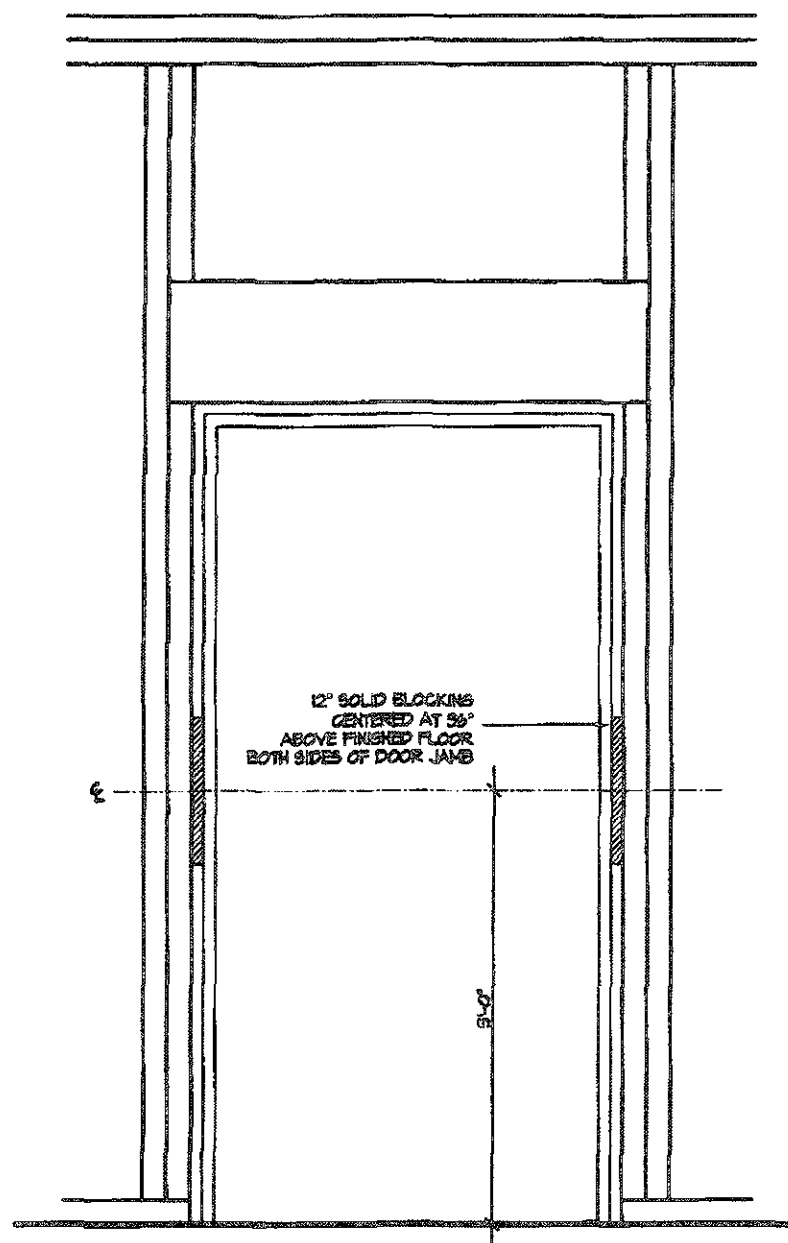
CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.	
AREA	PAGE No. 9
PROJECT 00-00-00	

Greenpark	
PROJECT NAME STANDARD DETAILS LAMBERTS LANE II	

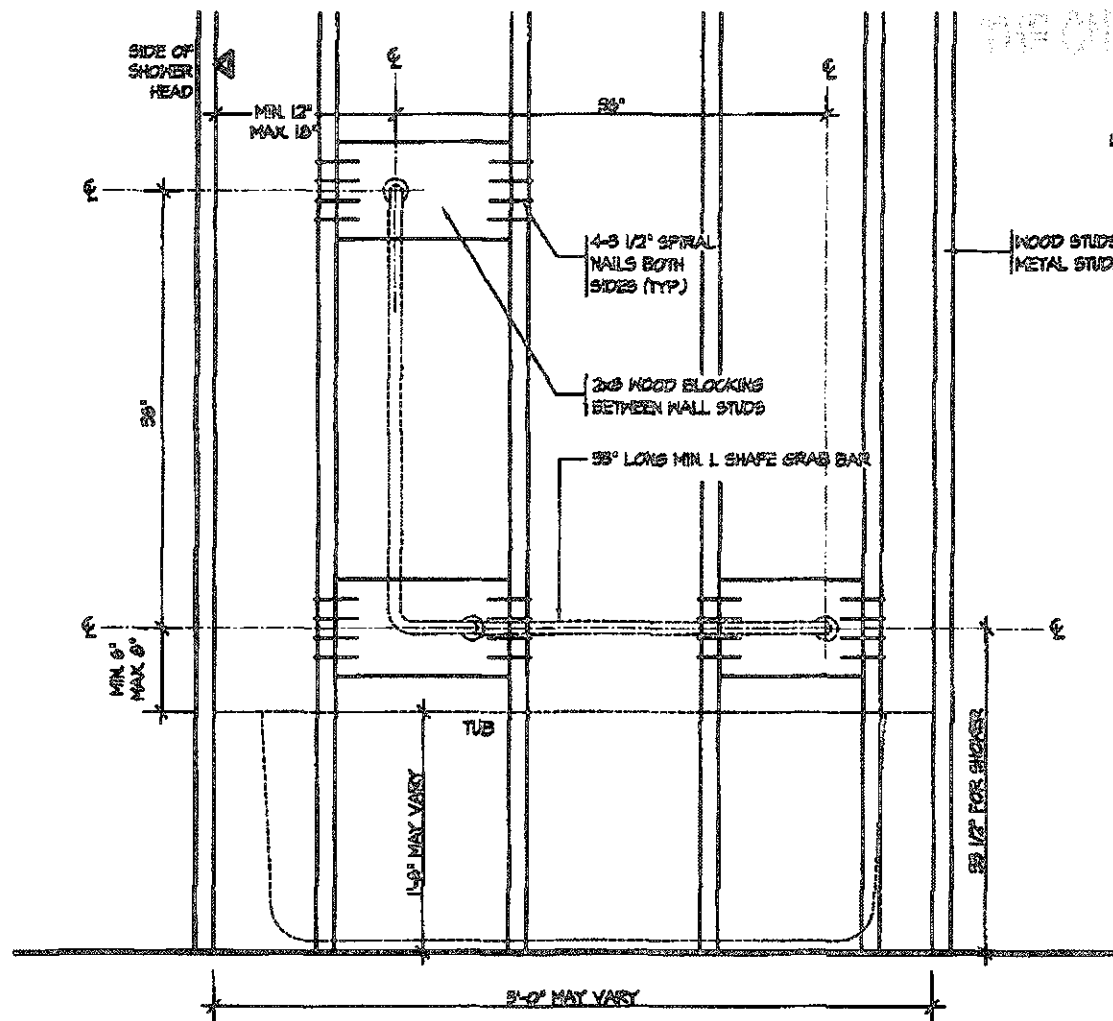
RECEIVED
AUG 08 2019
TOWN OF CALEDON
BUILDING SECTION
FILE NO

151-29-000 STANDARD DETAIL SIDE R.M.I.T. S.E. TENERGY STAR0018 LAMBERTS LANE II 151-29-000 BEAM CONNECTIONS ENERGY STAR R.M.I.T.

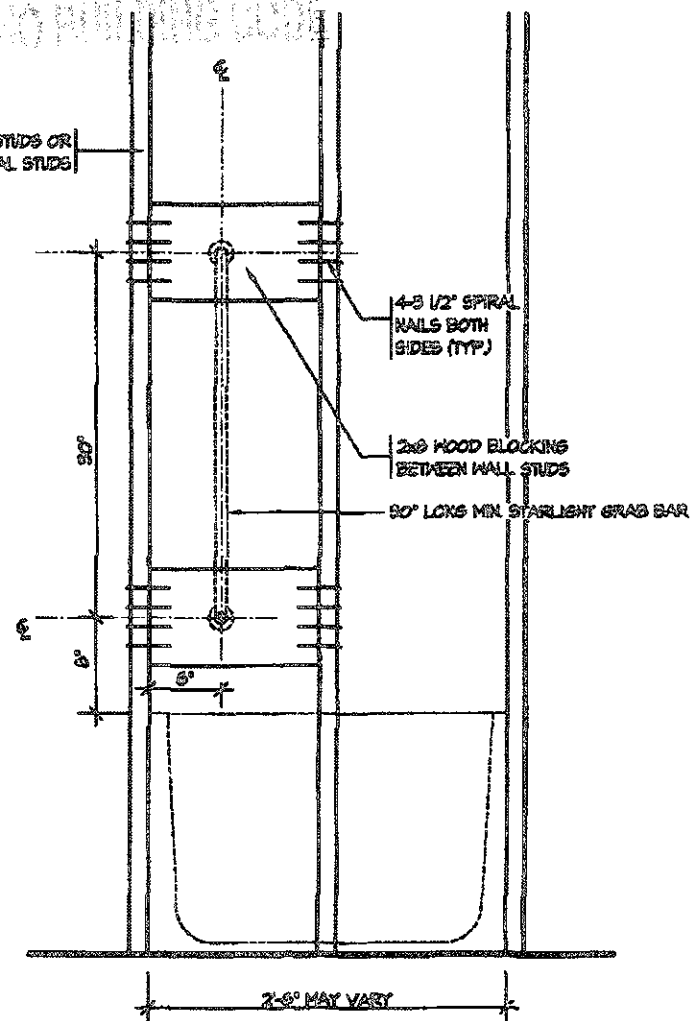
THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED ALL REQUIREMENTS OF
THE ONTARIO BUILDING CODE



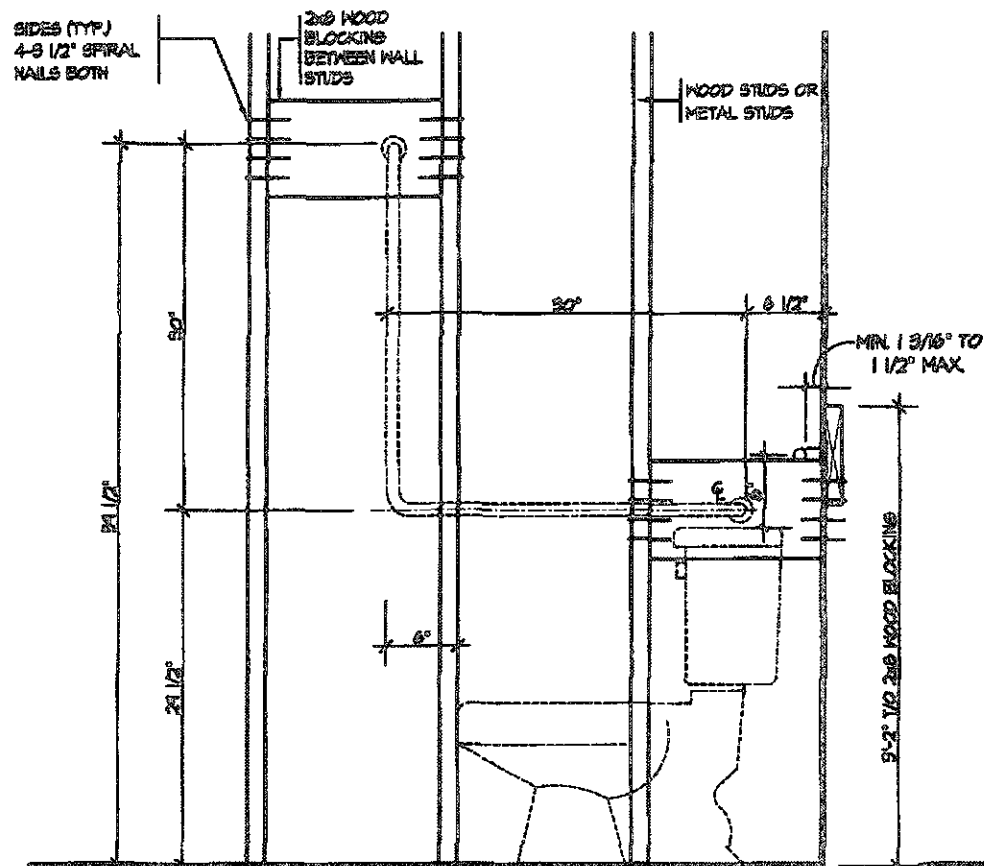
RESISTANCE TO FORCED ENTRY (OBC 9.6.8.)



BATH TUB OR SHOWER FRONT ELEVATION

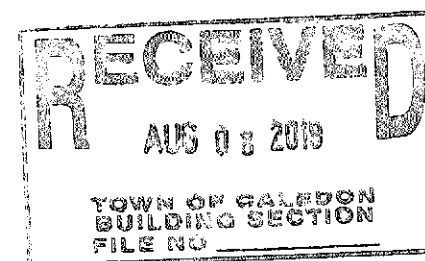
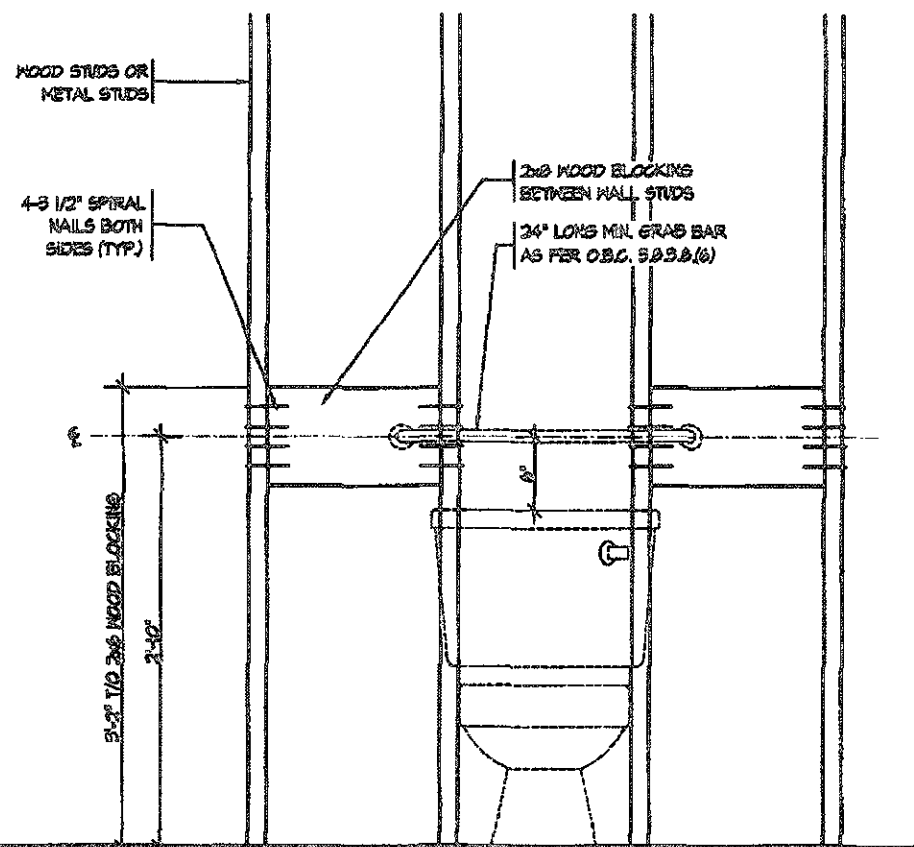


BATH TUB SHOWER HEAD SIDE ELEVATION



TOILET SIDE ELEVATION

STRUCTURAL REINFORCEMENT FOR GRAB BAR (OBC 9.5.2.5.)
FOR MAIN BATH ONLY



5.		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.	REGION DESIGN INC.	SHEET TITLE	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.	
4.		QUALIFICATION INFORMATION	8700 DUFFERIN ST.	BLOCKING FORCED ENTRY & GRAB BAR		
3.		Required unless design is exempt under Division C, Subsection 3.2.5 of the building code	CONCORD, ONTARIO	SCALE	AREA	PAGE No.
2.			L4K 4S6	3/4" = 1'0"		10
1.	REVISED FROM TRINAR HALL HOMES INC.	FEB 2019	P (416) 736-4096	DATE	PROJECT	
			F (905) 660-0746	FEB 2019	00-00-00	
	REVISIONS	VIKAS GAJAR	NAME			PROJECT NAME
		28770	SIGNATURE			STANDARD DETAILS LAMBERTS LANE II
		BCIN				

TYPICAL ROOF CONSTRUCTION

VENTED SOFFIT

WOOD TRIM

AIR SPACE

WOOD TRIM

STUCCO BOARD FINISH

GAP IN NAILERS

1" x 5" WOOD NAILERS

15 BUILDING PAPER

R22 RIGID INSULATION

1/2" DRYWALL FINISH

6 MIL POLY VAPOUR BARRIER

R22 BATT. INSULATION BETWEEN STUDS

PREFIN METAL FLASHING

PLYWOOD ON ROOF RAFTERS

STEEL STRUCTURE

BRICK BEYOND

FIN. FLOOR

CROSS SECTION

STRUDET

REGISTERED PROFESSIONAL

MACHINE

VARIES

VARIES

VARIES

STUCCO BOARD FINISH

1" x 3" WOOD NAILERS

RS BUILDING PAPER

RS RIGID INSULATION

AIR SPACE

WOOD TRIM

14"

BRICK VENEER

1/2" DRYMALL FINISH

6 MIL POLY VAPOR BARRIER

R22 BATT. INSULATION BETWEEN STUDS

WINDOW FRAME

SHIM SPACE

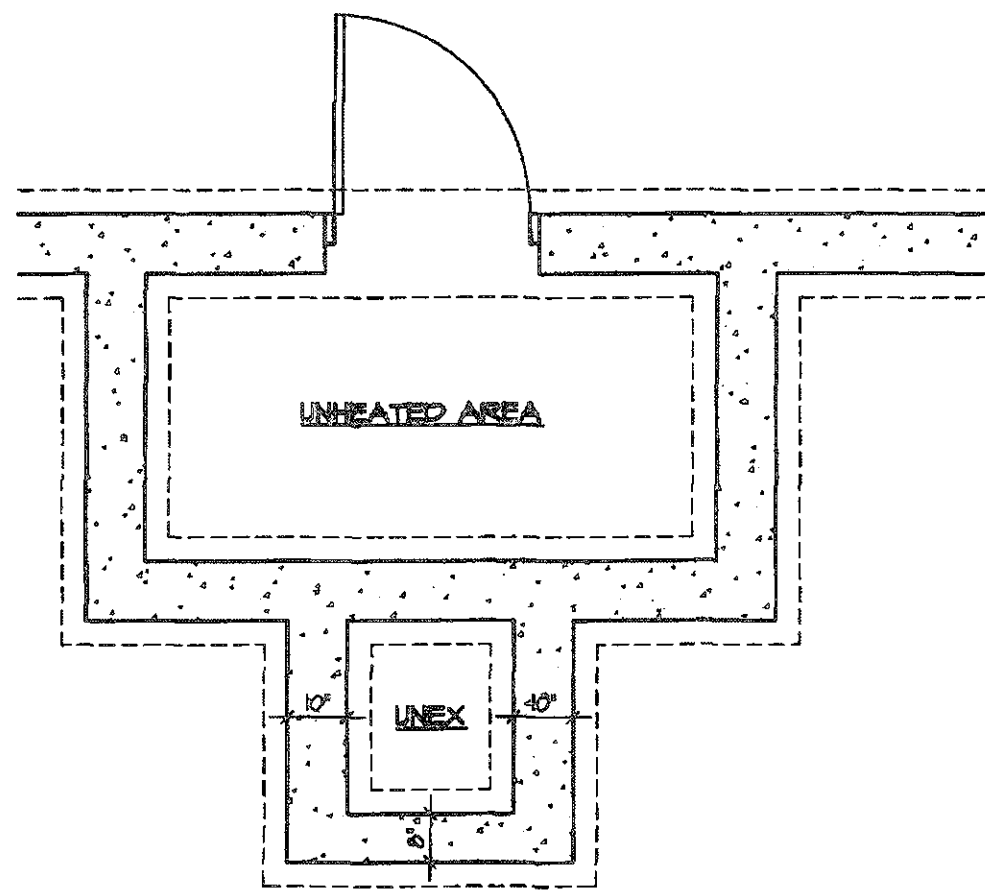
WINDOW TRIM

STUCCATO BOARD FINISH CLADDING OR EQUAL (OBC 9.21)

energy

ESCC MODE

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4.					STUCCATO BOARD FINISH CLADDING					PAGE No. 11
3.					SCALE	BY	AREA			
2.					1/2"=1'0"					
1.	REVISED FROM TRINAR HALL HOMES INC. FEB 2019				DATE	FEB 2019	TYPE	PROJECT 00-00-00		
REVISIONS		PROJECT NAME STANDARD DETAILS LAMBERTS LANE II								



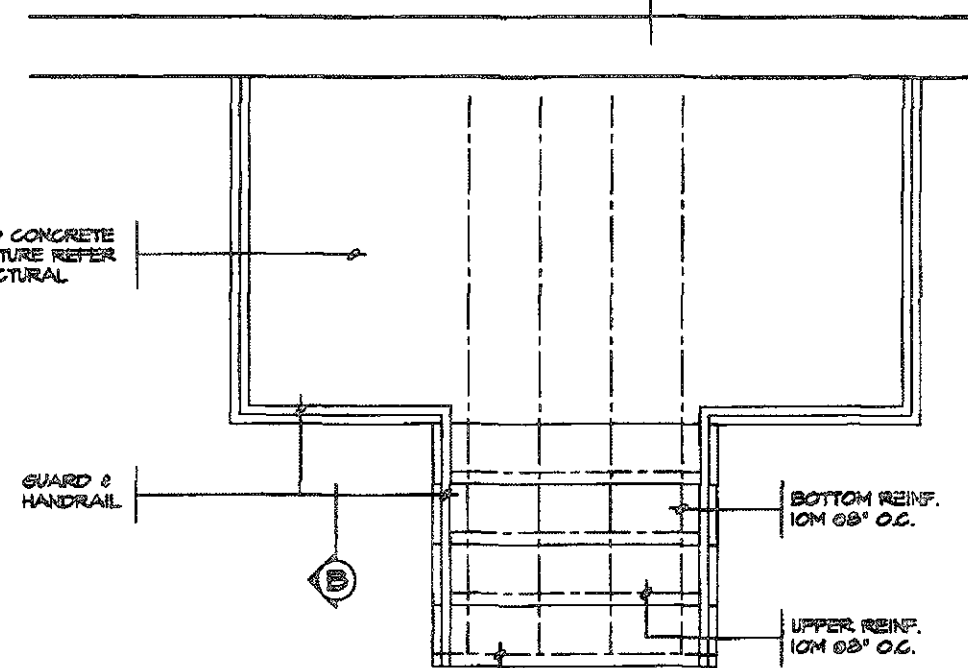
FOUNDATION PLAN

FOR POURED CONCRETE
SLAB STRUCTURE REFER
TO ARCHITECTURAL
DRAWINGS

OPENINGS WITHIN GUARDS AND SPACE
BETWEEN GUARDS AND ALL FINISHED
SURFACES SHALL NOT EXCEED 10 MM.
GUARDS SHALL BE DESIGNED
NOT FACILITATE CLIMBING

GUARD &
HANDRAIL

NOSING
REINF. W/
10M BARS



GROUND FLOOR PLAN

FOR POURED CONCRETE
SLAB STRUCTURE REFER
TO ARCHITECTURAL
DRAWINGS

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

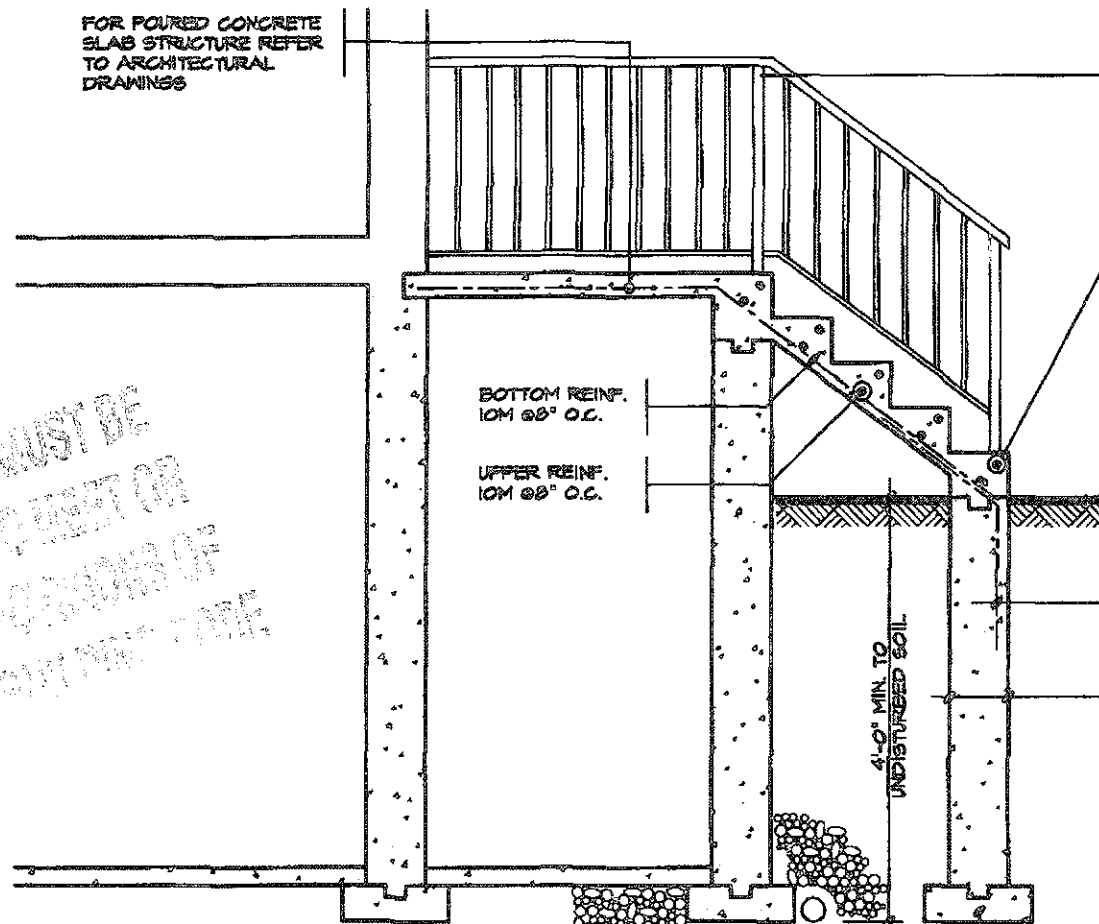
NOSING
REINF. W/
10M BARS

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

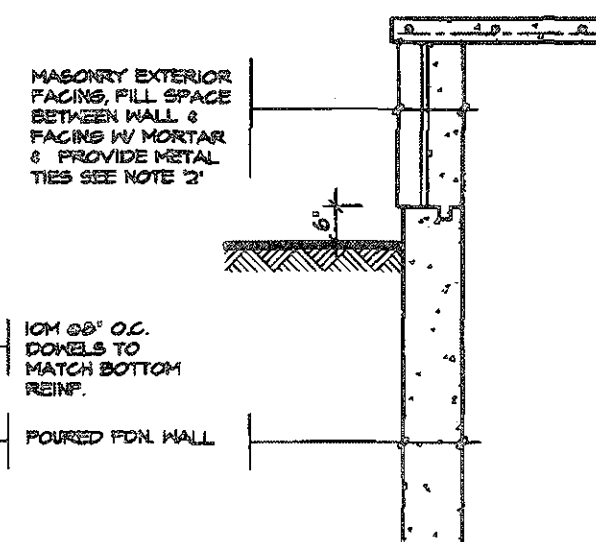
10M @ 8" O.C.
DOWELS TO
MATCH BOTTOM
REINF.

POURED FDN. WALL

6" X 16"
POURED
CONC.
FOOTING



SECTION 'A'



SECTION 'B'

NOTE: FOR MORE THAN 8 RISERS

GENERAL NOTES

1. EXTERIOR STAIRS

7 7/8" RISE MAXIMUM
8 1/4" RUN MINIMUM
9 1/4" TREAD MINIMUM

2. MASONRY TIES

WHEN BRICK FACING IS USED ABOVE
GROUND LEVEL, PROVIDE 5/16" 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 6 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" -
36"

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

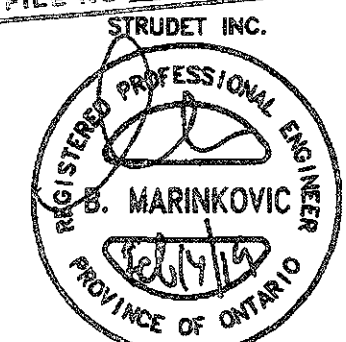
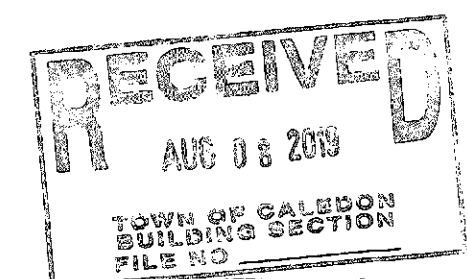
6. CONCRETE

MINIMUM CONCRETE STRENGTH SHALL BE
4680 PSI [30MPa] W/ 3%-8% AIR
ENTRAINMENT MINIMUM CONCRETE SLAB
THICKNESS 8"

7. CONCRETE COVER

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

THIS DRAWING MUST BE
SUBMITTED TO THE
MUNICIPALITY OF
CALEDON FOR REVIEW
AND APPROVAL



FOR STRUCTURE ONLY



5. _____ 4. _____ 3. _____ 2. _____ 1. REVISED FROM TRINAR HALL HOMES INC. FEB 2019 REVISIONS	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 VIKAS GAJJAR 28770 NAME SIGNATURE BCIN	REGION DESIGN INC. 5700 DUFFERIN ST. CONCORD, ONTARIO P (416) 736-4096 F (905) 660-0746	REGION DESIGN INC.	SHEET TITLE POURED CONCRETE STAIRS SCALE 3/8"=1'-0" DATE FEB 2019	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED. AREA PROJECT 00-00-00	PAGE No. 13	PROJECT NAME STANDARD DETAILS LAMBERTS LANE II
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ESCC MODEL 1-2019-08 PM MUSTASHAH DETAILED PERMIT SE ENERGY STAIRS LAMBERTS LANE II 00-00-00 POURED CONCRETE STAIRS DWG