

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. REG. 332/12-2012 OBC.

1. ROOF CONSTRUCTION

NO.210 (10.25kg/m²) ASPHALT SHINGLES, 10mm (3/8") PLYWOOD SHEATHING WITH "H" CLIPS. APPROVED WOOD TRUSSES @ 610mm (24") O.C. MAX. APPROVED EAVES PROTECTION TO EXTEND 900mm (3'-0") FROM EDGE OF ROOF AND MIN. 300mm (12") BEYOND INNER FACE OF EXTERIOR WALL. (EAVES PROTECTION NOT REQ'D FOR ROOF SLOPES 8:12 OR GREATER) 38x89 (2"x4") TRUSS BRACING @ 1830mm (6'-0") O.C. AT BOTTOM CHORD. PREFIN. ALUM. EAVESTROUGH, FASCIA, RAIL & VENTED SOFFIT. PROVIDE ICE & WATER SHIELD TO ALL ROOF/WALL SURFACES SUSCEPTIBLE TO ICE DAMMING. ROOF SHEATHING TO BE FASTENED 150 (6") c/c ALONG EDGES & INTERMEDIATE SUPPORTS WHEN TRUSSES SPACED GREATER THAN 406 (16"). ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH MIN. 25% AT EAVES & MIN. 25% AT RIDGE (OBC 9.19.1.2.).

2. FRAME WALL CONSTRUCTION (2"x6") (SB-12-TABLE 3.1.1.2.A)

SIDING AS PER ELEV., 15x39 (1"x2") VERTICAL WOOD FURRING, CONTIN. SHEATHING MEMBRANE, 11mm (7/16") EXT. TYPE SHEATHING OR OBC COMPLIANT EQUIVALENT, 38x140 (2"x6") STUDS @ 400mm (16") O.C., RSI 3.87 (R22) INSULATION AND APPR. VAPOUR BARRIER AND APPR. CONTIN. AIR BARRIER, 13mm (1/2") INT. DRYWALL FINISH, SIDING TO BE MIN. 200mm (8") ABOVE FINISH GRADE. REFER TO OBC SB-12, CHAPTER 3 FOR REQUIRED MINIMUM THERMAL INSULATION REQUIREMENTS.

2B. FRAME WALL CONSTRUCTION (2"x4")-GARAGE WALLS

SIDING AS PER ELEV., 15x38 (1"x2") VERTICAL WOOD FURRING, CONTIN. SHEATHING MEMBRANE, 11mm (7/16") EXT. TYPE SHEATHING OR OBC COMPLIANT EQUIVALENT, 38x89 (2"x4") STUDS @ 400mm (16") O.C. (MAX. HEIGHT 3000mm (9'-10")), WITH APPR. DIAGONAL WALL BRACING. REFER TO NOTE 19 WHERE FLOOR EXISTS ABOVE GARAGE. SIDING TO BE MIN. 200mm (8") ABOVE FINISH GRADE.

2C. STUCCO WALL CONSTRUCTION (2"x6") (SB-12-TABLE 3.1.1.2.A)

STUCCO CLADDING SYSTEM CONFORMING TO O.B.C. 9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXT. AND APPLIED PER MANUFACTURERS SPECIFICATIONS ON 25mm (1") MIN. EXTRUDED OR EXPANDED RIGID POLYSTYRENE ON APPR. AIR/MOISTURE BARRIER ON 38x140 (2"x6") STUDS @ 406 (16") O.C., RSI 3.87 (R22) BATT INSUL., APPR. 6 MIL. POLYETHYLENE VAPOUR BARRIER, 13mm (1/2") GYPSUM BOARD INTERIOR FINISH, STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE. REFER TO OBC SB-12, CHAPTER 3 FOR REQUIRED MINIMUM THERMAL INSULATION REQUIREMENTS.

2D. STUCCO WALL CONSTRUCTION (2"x4")-GARAGE WALLS

STUCCO CLADDING SYSTEM CONFORMING TO O.B.C. 9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 25mm (1") MIN. EXPANDED OR EXTRUDED RIGID POLYSTYRENE ON APPROVED AIR/MOISTURE BARRIER ON 38x89 (2"x4") STUDS @ 406 (16") O.C. (MAX. HEIGHT 3000mm (9'-10")), WITH APPR. DIAGONAL WALL BRACING. REFER TO NOTE 19 WHERE FLOOR EXISTS ABOVE GARAGE. STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE.

2E. WALLS ADJACENT TO ATTIC - NO CLADDING

11mm (7/16") EXT. TYPE SHEATHING OR OBC COMPLIANT EQUIVALENT, 38x140 (2"x6") STUDS @ 400mm (16") O.C., RSI 3.87 (R22) INSULATION AND APPR. VAPOUR BARRIER AND APPR. CONTIN. AIR BARRIER, 13mm (1/2") INTERIOR DRYWALL FINISH. MID-HEIGHT BLOCKING REQ'D. IF NO SHEATHING APPLIED, REFER TO OBC SB-12, CHAPTER 3 FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS.

3. BRICK VENEER CONSTRUCTION (2"x6") (SB-12-TABLE 3.1.1.2.A)

90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x6.76mm (7/8"x7"x0.03") GALV. METAL TIES @ 400mm (16") O.C. HORIZONTAL 610mm (24") O.C. VERTICAL. APPROVED SHEATHING PAPER, 11mm (7/16") EXTERIOR TYPE SHEATHING OR OBC COMPLIANT EQUIVALENT, 38x140 (2"x6") STUDS @ 400mm (16") O.C., RSI 3.87 (R22) INSULATION AND APPR. VAPOUR BARRIER AND APPR. CONTIN. AIR BARRIER, 13mm (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. BRICK TO BE MIN. 150mm (6") ABOVE FINISH GRADE. REFER TO OBC SB-12, CHAPTER 3 FOR REQUIRED MINIMUM THERMAL INSULATION REQUIREMENTS.

3B. BRICK VENEER CONSTRUCTION (2"x4")-GARAGE WALLS

90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x6.76mm (7/8"x7"x0.03") GALV. METAL TIES @ 400mm (16") O.C. HORIZONTAL 610mm (24") O.C. VERTICAL. APPROVED SHEATHING PAPER, 11mm (7/16") EXTERIOR TYPE SHEATHING OR OBC COMPLIANT EQUIVALENT, 38x89 (2"x4") STUDS @ 400mm (16") O.C. (MAX. HEIGHT 3000mm (9'-10")) WITH APPROVED DIAGONAL WALL BRACING. REFER TO NOTE 19 WHERE FLOOR EXISTS ABOVE GARAGE. PROVIDE WEEP HOLES @ 800mm (32") O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER. BRICK TO BE MIN. 150mm (6") ABOVE FINISH GRADE.

3C. STUCCO WALL CONSTRUCTION (2"x6") (SB-12-TABLE 3.1.1.2.A)

STUCCO CLADDING SYSTEM CONFORMING TO O.B.C. 9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 25mm (1") MIN. EXTRUDED OR EXPANDED RIGID POLYSTYRENE ON APPR. CONTIN. AIR/MOISTURE BARRIER ON 38x140 (2"x6") STUDS @ 406mm (16") O.C., RSI 3.87 (R22) BATT INSUL., APPR. 6 MIL. POLYETHYLENE VAPOUR BARRIER, 13mm (1/2") GYPSUM WALLBOARD INTERIOR FINISH, STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE. REFER TO OBC SB-12, CHAPTER 3 FOR REQUIRED MINIMUM THERMAL INSULATION REQUIREMENTS.

INTERIOR STUD PARTITIONS

FOR BEARING PARTITIONS 38x89 (2"x4") @ 406mm (16") O.C. FOR 2 STOREYS AND 305mm (12") O.C. FOR 3 STOREYS. NON-BEARING PARTITIONS 38x89 (2"x4") @ 610mm (24") O.C. PROVIDE 38x89 (2"x4") BOTTOM PLATE AND 2/38x89 (2/2"x4") TOP PLATE, 13mm (1/2") INT. DRYWALL BOTH SIDES OF STUDS, PROVIDE 38x140 (2"x6") STUDS/PLATES WHERE NOTED.

4. FOUNDATION WALL FOOTINGS: (9.15.3, 9.15.4, 9.13.2, 9.14.2.1.(2))

200mm (8") POURED CONC. FDTN. WALL 150mm (6") BELOW FIN. GRADE. DRAINAGE LAYER IS NOT REQ'D. IF FOUNDATION WALL IS WATERPROOFED. MAXIMUM POUR HEIGHT 2300 (7'-10") ON 500x155 (20"x6") CONTINUOUS KEYED CONC. FIG. BRACE FDTN. WALL PRIOR TO BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED ENGINEERED FILL.

STRIP FOOTINGS - FOR TOWNHOUSES

FOR STRIP FOOTINGS SEE REFER TO BLOCK FOUNDATION PLAN. ASSUMED 120 KPa (18 p.s.i.) SOIL BEARING CAPACITY FOR TOWNHOUSES, TO BE VERIFIED ON SITE.

-MAXIMUM FLOOR LIVE LOAD OF 2.4Kpa (50psf.) PER FLOOR.

-REFER TO SOILS REPORT FOR SOIL CONDITIONS AND BEARING CAPACITY.

6. FOUNDATION DRAINAGE OBC 9.14.2 & 9.14.3

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

7. BASEMENT SLAB OBC 9.3.1.6 (1)(b), 9.16.4.5 (1), 9.25.3.3 (15)

80mm (3/4") MIN. 25MPa (3800psi) CONC. SLAB ON 100mm (4") COARSE GRANULAR FILL OR 200mm (8") CONC. WITH DAMPROOFING BELOW SLAB. UNDER SLAB INSULATION PER SB-12; 3.1.1.7.5(6) where required. ALL SLAB JOINTS & PENETRATIONS TO BE SEALED TO MAINTAIN AIR BARRIER.

8. WOOD SUBFLOORS (SEE OBC 9.23.14 & 9.30.2.1)

-19mm (3/4") MIN. 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 UNDERLAYMENT UNDER RESILIENT & PARQUET FLOORING.

9. ATTIC INSULATION (SB-12-TABLE 3.1.1.2.A) (SB-12-3.1.1.B)

RSI 10.56 (R60) BLOWN IN FIBRE INSULATION AND APPROVED VAPOUR BARRIER, 16mm (5/8") INT. DRYWALL FINISH OR APPROVED EQUAL. RSI 3.52 (R20) MIN. ABOVE INNER SURFACE OF EXTERIOR WALL.

10. ALL STAIRS/EXTERIOR STAIRS -OBC 9.8-

UNIFORM RISE -5mm (1/4") MAX BETWEEN ADJACENT TREADS OR LANDINGS
-10mm (1/2") MAX BETWEEN TALLEST & SHORTEST RISE IN FLIGHT

MAX. RISE = 200 (7'-7/8")
MIN. RUN = 210 (8'-1/4")
MIN. TREAD = 235 (9'-1/4")
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. RUN = 150 (6")
MIN. AVG. RUN = 200 (8")

HANDRAILS -OBC 9.8.7-

FINISHED RAILING ON PICKETS SPACED MAXIMUM 100mm (4") BETWEEN PICKETS. CLEARANCE BETWEEN HANDRAIL AND SURFACE BEHIND IT TO BE 50 (2") MIN. HANDRAILS TO BE CONTINUOUS EXCEPT FOR NEWEL POST AT CHANGES OF DIRECTION.

INTERIOR GUARDS -OBC 9.8.8-

INTERIOR GUARDS: 900mm (2'-11") MIN. HIGH

EXTERIOR GUARDS -OBC 9.8.8

900mm (36") HIGH GUARD WHERE DISTANCE FROM PORCH TO FIN. GRADE IS LESS THAN 1600mm (71") 1070mm (42") HIGH GUARD IS REQUIRED WHERE DISTANCE EXCEEDS 1600mm (71").

SILL PLATE ANCHORAGE

38x89 (2"x4") SILL PLATE WITH 13mm (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 FDTN. WALL. USE NON-SHRINK GROUT TO LEVEL SILL PLATE WHEN REQUIRED.

13. BASEMENT INSULATION (SB-12-3.1.1.7), 9.25.2.3, 9.13.2.B)

FOUNDATION WALLS ENCLOSING HEATED SPACE SHALL BE INSULATED FROM THE UNDERSIDE OF THE SUBFLOOR TO NOT MORE THAN 200mm (8") ABOVE THE FINISHED FLOOR & NO CLOSER THAN 50mm (2") OF THE BASEMENT SLAB. RSI 3.52c (R20c) BLANKET INSULATION TO HAVE APPROVED VAPOUR BARRIER, RECOMMENDED DAMPROOF WITH BUILDING PAPER BETWEEN THE FOUNDATION WALL AND INSULATION UP TO GRADE LEVEL. NOTE: FULL HEIGHT INSULATION AT COLD CELLAR WALLS. AIR BARRIER TO BE SEALED TO FOUNDATION WALL WITH CAULKING. CONTINUOUS INSULATION (ci) IS NOT TO BE INTERRUPTED BY FRAMING.

14. BASEMENT BEARING STUD PARTITION

38x89 (2"x4") STUDS @ 400mm (16") O.C. 38x89 (2"x4") SILL PLATE ON DAMPROOFING MATERIAL, 13mm (1/2") DIA. ANCHOR BOLTS 200mm (8") LONG, EMBEDDED MIN. 100mm (4") INTO CONC. @ 2400mm (7'-10") O.C. 100mm (4") HIGH CONC. CURB ON 305x155 (12"x6") CONC. FOOTING. ADD HORIZ. BLOCKING AT MID-HEIGHT IF WALL IS UNFINISHED.

15. STEEL BASEMENT COLUMN (SEE OBC 9.15.3.3)

89mm (3-1/2") DIA x 4.78mm (0.188") STL. COL. WITH A MIN. CAPACITY OF 108.6kN (24,000lbs.) WITH 150x150x9.5 (6"x6"x3/8") STL. TOP & BOTTOM PLATE.

15A. STEEL COLUMN

90mm (3-1/2") DIA x 4.78mm (0.188") STL. COL. WITH 100x100x6.0 (4"x4"x1/4") TOP & BOTTOM PLATES, FIELD WELD BOTTOM PLATE TO 100x250x12.5 (4"x10"x1/2") BASE PLATE C/W 2-12mm DIA. x 300mm LONG x50mm HOOK ANCHORS (2-1/2"x12"x2). THE COLUMN TO STUD WALL WITH 2-32x3.175 (1-1/4"x1/8") STEEL STRAP WELDED TO COLUMN AND FASTENED TO STUD WITH 2-SDS 6.35x39 (1/4"x1/2") SCREWS MANUF. BY SIMPSON STRONG-TIE.

CITY OF HAMILTON
BUILDING DIVISION
Planning & Development Department

NOV 15 2020

REC'D BY _____ DATE _____
REF'D TO _____ DATE _____

CONCRETE PILASTER

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

19x38 (1"x2") CONTINUOUS WOOD STRAPPING BOTH SIDES OF STEEL BEAM. (OBC 9.23.4.3.(3c))

GARAGE SLAB

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

INTERIOR GARAGE WALLS & CEILINGS (SB-12-TABLE 3.1.1.2.A)

13mm (1/2") GYPSUM BOARD ON WALL AND CEILING BETWEEN HOUSE AND GARAGE. RSI 3.87 (R22) IN WALLS, RSI 5.46 (R31) IN CEILING. TAPE AND SEAL ALL JOINTS AIRTIGHT PER O.B.C. 9.10.9.16. REFER TO SB-12, TABLE 3.1.1.2.A. FOR REQUIRED THERMAL INSULATION.

DOOR AND FRAME GASPROOFED. DOOR EQUIPPED WITH SELF CLOSING DEVICE AND WEATHERSTRIPPING PER OBC 9.10.13.15.

EXTERIOR STEP

PRECAST CONCRETE STEP OR WOOD STEP WHERE NOT EXPOSED TO WEATHER. MAX. RISE 200mm (7-7/8") MIN. TREAD 250mm (9-27/32"). (SEE OBC 9.8.9.2, 9.8.9.3, & 9.8.10)

DRYER VENT (OBC 9.23.8.(7) & 6.2.4.1.1)

CAPPED DRYER EXHAUST VENTED TO EXTERIOR. (USE 100mm (4") DIA. SMOOTH WALL VENT PIPE).

23. INSULATED ATTIC ACCESS (OBC 9.19.2.1 & SB12-3.1.1.B)

ATTIC ACCESS HATCH WITH MIN. DIMENSION OF 545x700mm (21'-1/2"x27'-1/2") & A MIN. AREA OF 0.32 SQ.M. (3.44 SQ.FT.) WITH WEATHERSTRIPPING. RSI 3.52 (R20) RIGID INSULATION BACKING. SEE OBC SB-12, 3.1.1.8.

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 3050mm (10'-0") FROM THE CHIMNEY.

25. LINEN CLOSETS

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

26. MECHANICAL EXHAUST

MECHANICAL EXHAUST FAN, VENTED TO EXTERIOR AS REQUIRED BY OBC 9.32.3.5 & 9.32.3.10.

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 WITH 2-19mm (3/4") x 200mm (8") LONG GALV. ANCHORS WITHIN SOLID BLOCK COURSE. LEVEL WITH NON-SHRINK GROUT.

27A. SOLID WOOD BEARING FOR WOOD STUD WALLS

SOLID BEARING TO BE AT LEAST AS WIDE AS THE SUPPORTED MEMBER. SOLID WOOD BEARING COMPRISED OF BUILT-UP WOOD STUDS TO BE CONSTRUCTED IN ACCORDANCE WITH OBC 9.17.4.2(2).

28. CLASS "B" VENT

ULC RATED CLASS "B" VENT 610mm (2'-0") ABOVE THE POINT IN CONTACT WITH THE ROOF FOR SLOPES UP TO 9/12, REFER TO THE ONTARIO GAS UTILIZATION CODE.

29. BASEMENT WOOD POST (OBC 9.17.4.1)

3-38x140 (3-2"x6") BUILT-UP POST ON METAL BASE SHOE ANCHORED TO CONC. WITH 12.7 DIA. BOLTS. 406x406x203 (16"x16"x8") CONC. FIG. OR AS OTHERWISE SPECIFIED ON DRAWING.

30. STEPPED FOOTINGS (OBC 9.15.3.9)

MIN. HORIZ. STEP = 600mm (24")
MAX. VERT. STEP = 600mm (24")

31. SLAB ON GRADE

MIN. 100mm (4") CONCRETE SLAB ON GRADE ON 100mm (4") COARSE GRANULAR FILL. REINFORCED WITH 6x6-W2x9x2.9 MESH PLACED NEAR MID-DEPTH OF SLAB CONC. STRENGTH 32 MPa (4640 psi) WITH 5-8% AIR ENTRAINMENT ON COMPACTED SUB-GRADE. UNDER SLAB INSULATION AS PER OBC SB-12 3.1.1.7(5)(6) AND SB-12, TABLE 3.1.1.2.A where required. ALL JOINTS & PENETRATIONS OF INTERIOR SLABS TO BE SEALED TO MAINTAIN AIR BARRIER.

LOOSE STEEL LINTELS

L1 = 3-1/2" x 3-1/2" x 1/4" L (90x90x6.0L)
L2 = 4" x 3-1/2" x 5/16" L (100x90x8.0L)
L3 = 5" x 3-1/2" x 5/16" L (125x90x8.0L)
L4 = 6" x 3-1/2" x 3/8" L (150x90x10.0L)
L5 = 6" x 4" x 3/8" L (150x100x10.0L)
L6 = 7" x 4" x 3/8" L (180x100x10.0L)

LAMINATED VENEER LUMBER (LVL) BEAMS

LVL1A = 1-1 3/4"x7 1/4" (1-45x184)
LVL1B = 2-1 3/4"x7 1/4" (2-45x184)
LVL2 = 3-1 3/4"x7 1/4" (3-45x184)
LVL3 = 4-1 3/4"x7 1/4" (4-45x184)
LVL4A = 1-1 3/4"x9 1/4" (1-45x235)
LVL4B = 2-1 3/4"x9 1/4" (2-45x235)
LVL5 = 3-1 3/4"x9 1/4" (3-45x235)
LVL5A = 4-1 3/4"x9 1/4" (4-45x235)
LVL6A = 1-1 3/4"x11 7/8" (1-45x300)
LVL6B = 2-1 3/4"x11 7/8" (2-45x300)
LVL7 = 3-1 3/4"x11 7/8" (3-45x300)
LVL7A = 4-1 3/4"x11 7/8" (4-45x300)
LVL8 = 2-1 3/4"x14" (2-45x356)
LVL9 = 3-1 3/4"x14" (3-45x356)

BRICK VENEER LINTELS

WL1 = 3-1/2" x 3-1/2" x 1/4" L (90x89x6.0L)
WL2 = 4" x 3-1/2" x 5/16" L (102x89x7.9L)
WL3 = 5" x 3-1/2" x 5/16" L (127x89x7.9L)
WL4 = 6" x 3-1/2" x 7/16" L (152x89x11.0L)
WL5 = 6" x 4" x 7/16" L (152x102x11.0L)
WL6 = 5" x 3-1/2" x 5/16" L (127x89x7.9L)
WL7 = 5" x 3-1/2" x 5/16" L (127x89x7.9L)
WL8 = 5" x 3-1/2" x 5/16" L (127x89x7.9L)
WL9 = 6" x 4" x 7/16" L (152x102x11.0L)

DIRECT VENTING GAS FURNACE VENT

DIRECT VENT FURNACE TERMINAL MIN. 900mm (36") FROM A GAS REGULATOR. MIN. 300mm (12") ABOVE FIN. GRADE, FROM ALL OPENINGS, EXHAUST AND INTAKE VENTS. HRV INTAKE TO BE A MIN. OF 1830mm (6'-0") FROM ALL EXHAUST TERMINALS. REFER TO GAS UTILIZATION CODE. ALL AIR INTAKES SHALL BE LOCATED SO THAT THEY ARE SEPARATED FROM KITCHEN EXHAUST BY 3.0M IN COMPLIANCE WITH O.B.C. DIV-B TABLE 6.2.3.12.

DIRECT VENTING GAS FIREPLACE VENT

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

JOIST STRAPPING AND BRIDGING (SEE OBC 9.23.9.4)

16mm (5/8") T & G SUBFLOOR ON WOOD FLOOR JOISTS. FOR CERAMIC TILE APPLICATION (* SEE OBC 9.30.6. *) 6mm (1/4") PANEL TYPE UNDERLAY UNDER RESILIENT & PARQUET FLOORING. (* SEE OBC 9.30.2. *)

FLOOR JOISTS WITH SPANS OVER 2100mm (6'-11") TO BE BRIDGED WITH 38x38 (2"x2") CROSS BRACING OR SOLID BLOCKING @ 2100mm (6'-11") O.C. MAX. AND WHERE SPECIFIED BY JOIST TABLES A-1 OR A-2 STRAPPING SHALL BE 19x64 (1"x3") @ 2100mm (6'-11") O.C. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED. (* SEE OBC 9.23.9.4. *)

EXPOSED BUILDING FACE -OBC 9.10.15

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

COLD CELLAR PORCH SLAB (OBC 9.30.9)

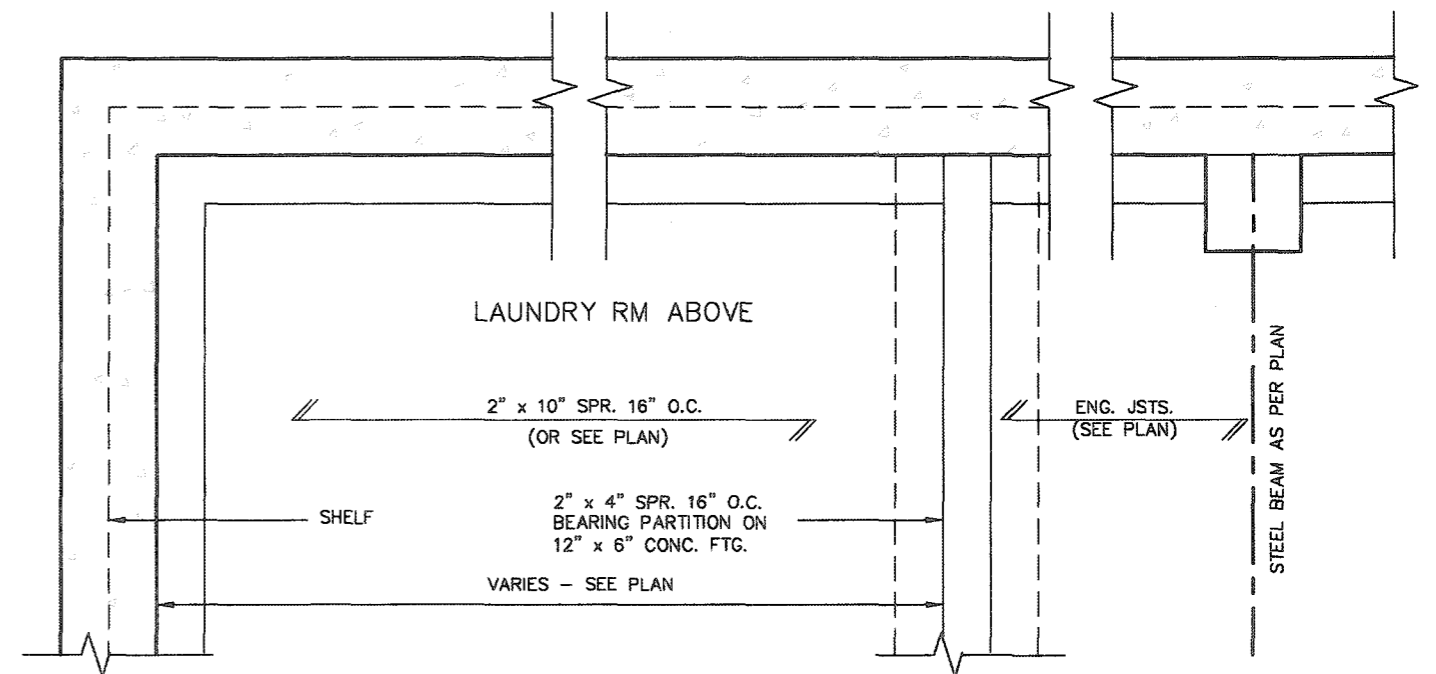
FOR MAX. 2500 mm (8'-2") PORCH DEPTH (SHORTEST DIM.), 125mm (4 7/8") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @ 200mm (7 7/8") O.C. EACH WAY IN BOTTOM THIRD OF SLAB, 600x600 (23 5/8" x 23 5/8") 10M DOWELS @ 600mm (23 5/8") O.C. ANCHORED IN PERIMETER FDTN. WALLS. SLOPE SLAB MIN. 1.0% FROM DOOR. SLAB TO HAVE MIN 75mm (3") BEARING ON FDTN. WALLS. PROVIDE (L1) UNTELS OVER CELLAR DOOR AND WITH 100mm (4") END BEARING.

BRICK CHECK

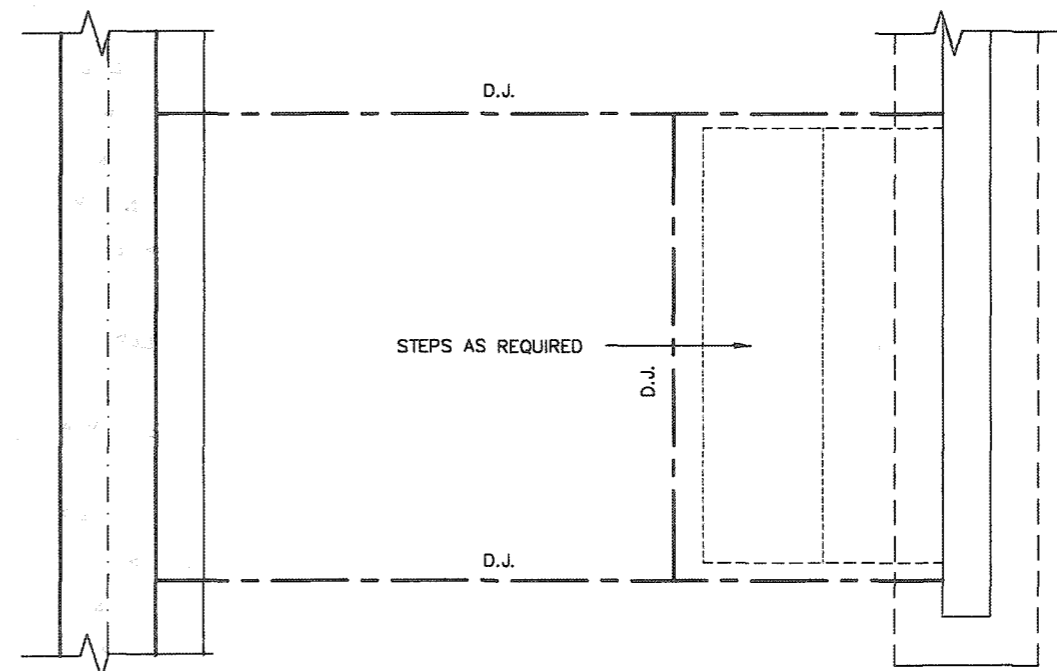
THE FDTN. WALL SHALL NOT BE REDUCED TO LESS THAN 90mm (3-1/2") THICK TO A MAX. DEPTH OF 660mm (26") AND SHALL BE TIED TO THE FACING MATERIAL WITH METAL TIES SPACED 200mm (8") O.C. VERTICALLY AND 900mm (36") O.C. HORIZONTALLY. FILL SPACE BETWEEN WALL AND FACING SOLID WITH MORTAR.

CONVENTIONAL ROOF FRAMING (2.0KPa, SNOW LOAD)

38x140 (2"x6") RAFTERS @ 406mm (16") O.C. FOR MAX 11'-7" SPAN. 38x184 (2"x8") RIDGE BOARD, 38x89 (2"x4") COLLAR TIES AT MIDSPANS. CEILING JOISTS TO BE 38x89 (2"x4") @ 406mm (16") O.C. FOR MAX. 2830mm (9'-3") SPAN & 38x140 (2"x6") @ 406 (16") O.C. FOR MAX. 4450mm (14'-7") SPAN. RAFTERS FOR BUILT-UP ROOF TO BE 38x89 (2"x4") @ 6



PARTIAL FOUNDATION PLAN



PARTIAL FOUNDATION PLAN

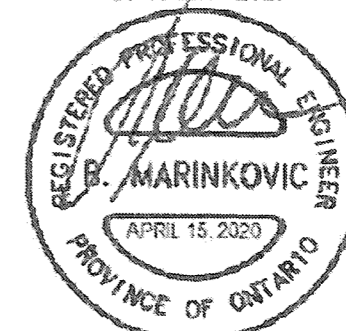
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BUILDING DIVISION
Planning & Development Department

NOV 15 2020

REC'D BY _____ DATE _____

REC'D TO _____ DATE _____

STRUDET INC.



CITY OF HAMILTON
Building Division

Permit No. 20-187720

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These drawings and/or specifications have been reviewed by _____

FOR CHIEF BUILDING OFFICIAL Dec 14, 2020 DATE

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2012 CODE
COMPLIANCE PACKAGE A1

9					The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the
8					Ontario Building Code to be a Designer.
7					qualification information
6					Richard Vink 2448
5					name
4					signature
3					registration information
2					VA3 Design Inc. 4265
1					Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be copied.
	ISSUED FOR PERMIT.	APR 13/20	GW		
	no. description		date	by	

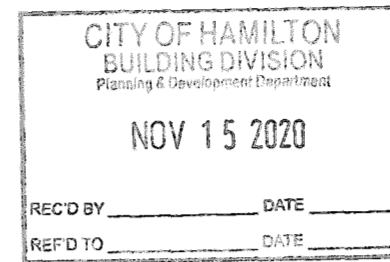
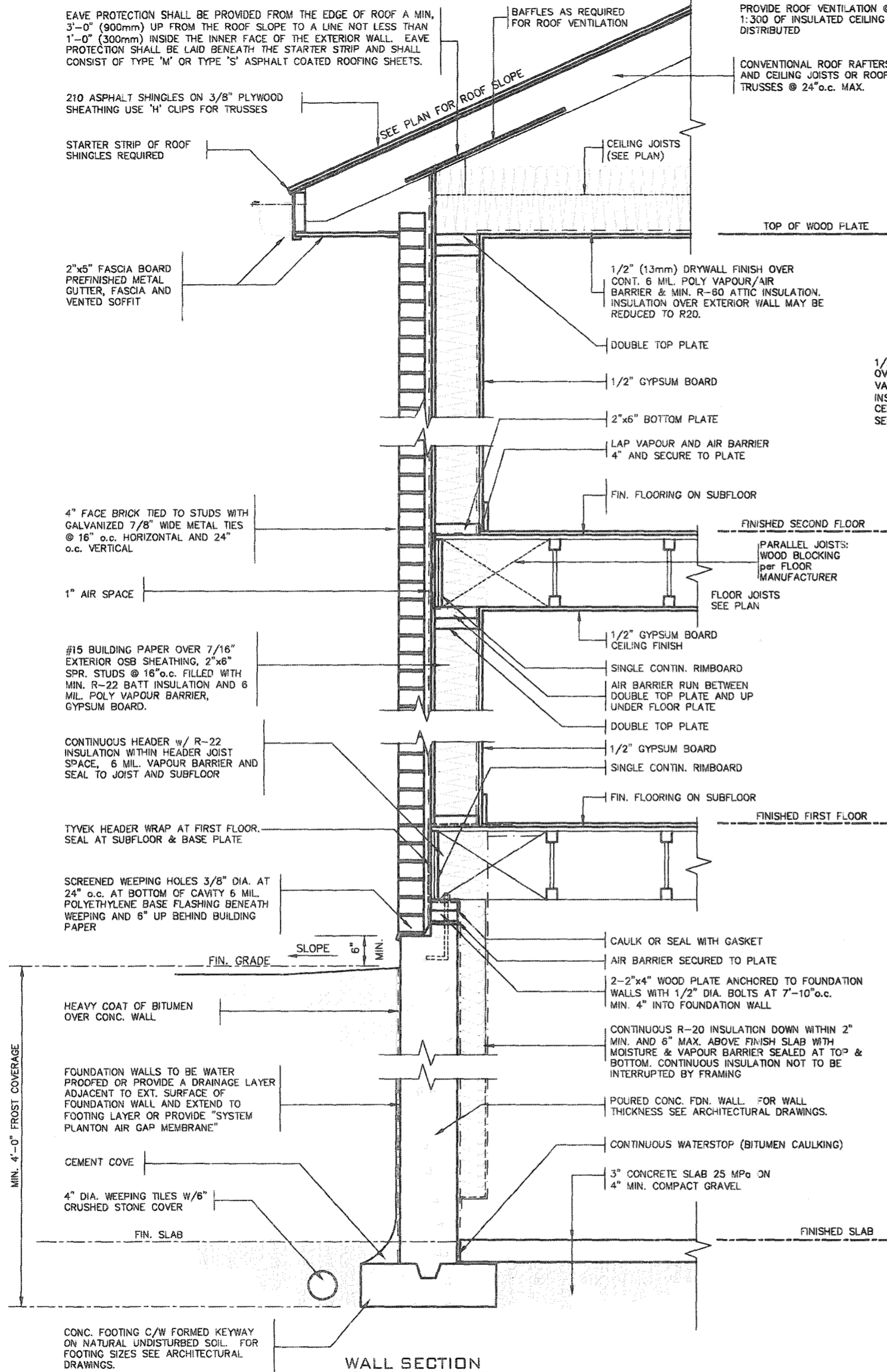
VA3
DESIGN
255 Consumers Rd Suite
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.2255
va3design.com



SINGLES

project name RUSSELL GARDENS PH. 3	municipality WATERDOWN	project no. 19014
date APRIL 2020	drawing no. 2	
<div> <div> drawn by GW checked by - scale Not to Scale </div> <div> SUNKEN FLOOR DETAILS file name 19014-GP-STD_DETAILS_A1 </div> </div>		

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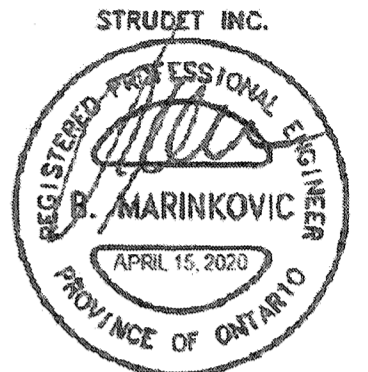


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Building Division

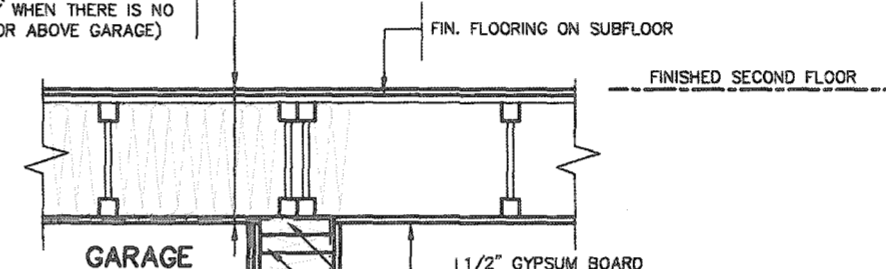
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Ken Smith **Dec 14, 2020**
FOR CHIEF BUILDING OFFICIAL DATE



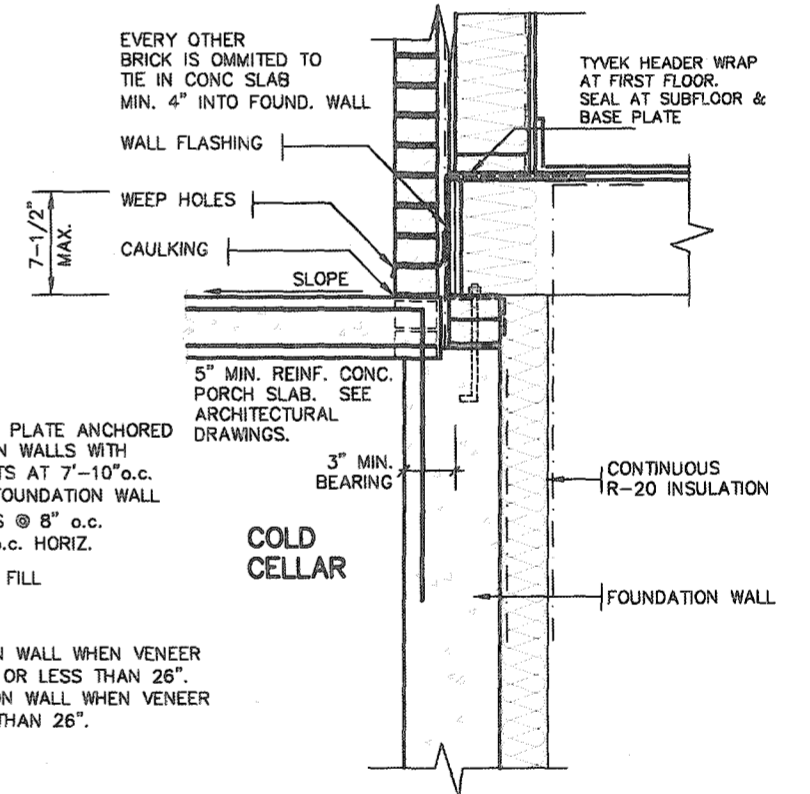
1/2" (13mm) DRYWALL FINISH
OVER CONTINUOUS 6 MIL. POLY
VAPOUR/AIR BARRIER & MIN. R-31
INSULATION. (DRYWALL ON THE
CEILING ONLY WHEN THERE IS NO
SECOND FLOOR ABOVE GARAGE)



TYVEK HEADER WRAP AT
FIRST FLOOR.
SEAL AT SUBFLOOR &
BASE PLATE

WALL FLASHING
WEEP HOLES

**DETAIL FOR CONCRETE
VENEER DROPPED GRADE**



DETAIL FOR COLD CELLAR PORCH SLAB

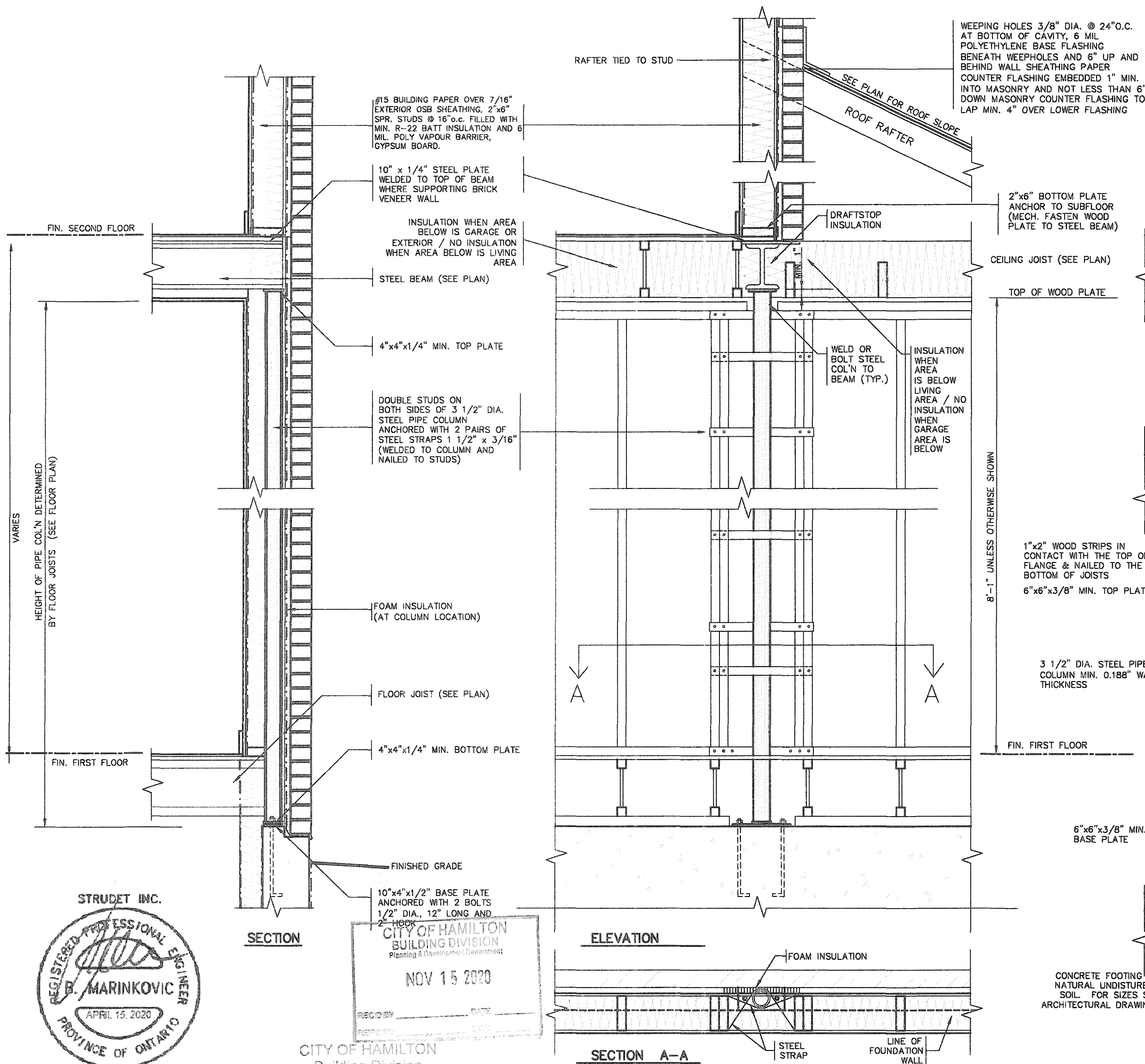
2012 CODE COMPLIANCE PACKAGE A1

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no.	description	date	by		

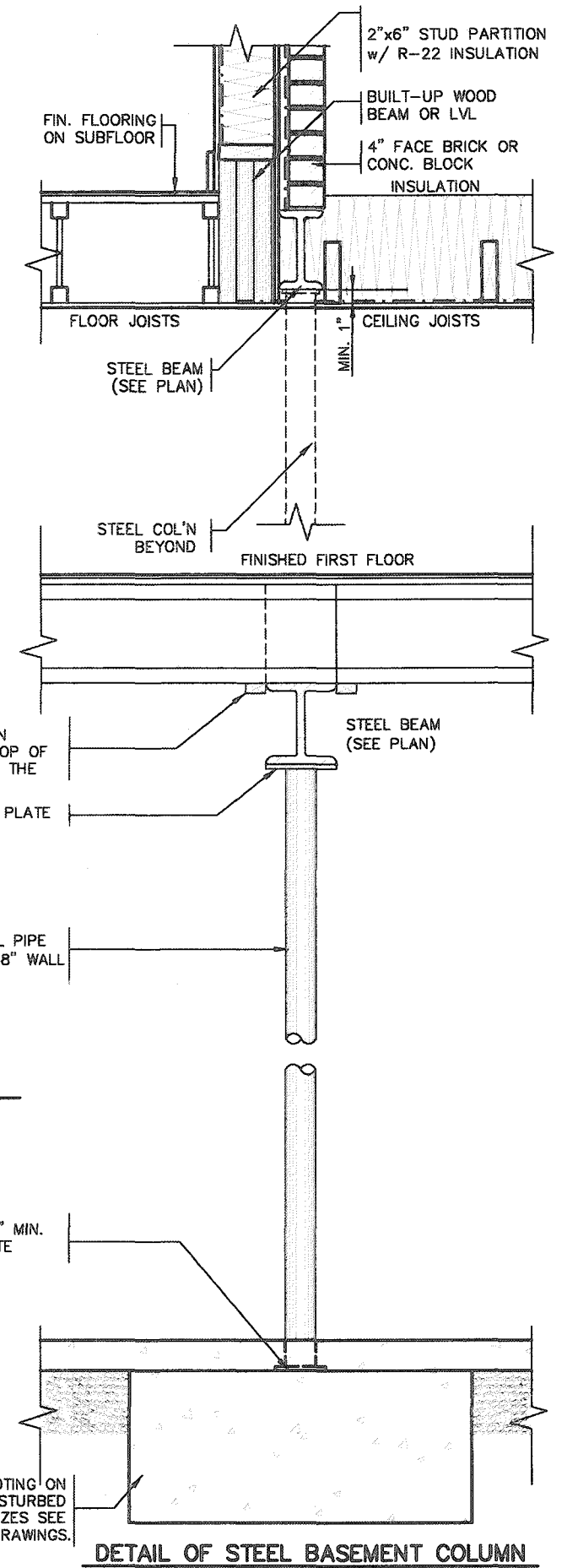
The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.
qualification information
Richard Vink *R Vink* 24488
name
registration information
VA3 Design Inc. 42658
Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.

**VA3
DESIGN**
255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

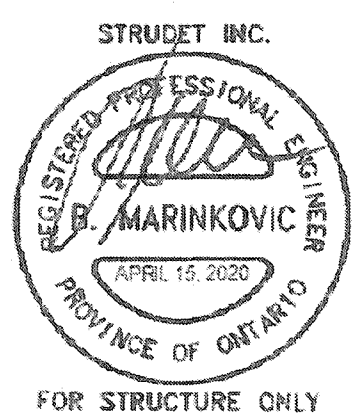
Greenpark.		SINGLES	
project name RUSSELL GARDENS PH. 3	municipality WATERDOWN	project no. 19014	
date APRIL 2020	checked by GW	scale Not to Scale	drawing no. 3
2" x 6" BRICK VENEER SECTIONS		19014-GP-STD_DETAILS_A1	



**SECTION THROUGH STEEL BEAM
SUPPORTING MASONRY & BEARING
STUD PARTITION**



DETAIL OF STEEL BASEMENT COLUMN



SECTION

ELEVATION

SECTION A-A

Permit No. **20-187720**

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Law Sini **Dec 14, 2020**

FOR CHIEF BUILDING OFFICIAL DATE

CITY OF HAMILTON
Building Division

NOV 15 2020

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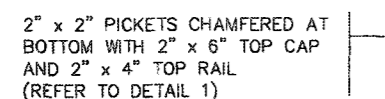
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no. description		date	by		

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Greenpark.		SINGLES	
project name RUSSELL GARDENS PH. 3	municipality WATERDOWN	project no. 19014	drawing no. 4
date APRIL 2020	checked by GW	scale As Shown	file name 19014-GP-STD_DETAILS_A1
STEEL COLUMN DETAILS			

**2012 CODE
COMPLIANCE PACKAGE A1**



3'-6" HIGH WOOD RAILING IF DECK
FLOOR IS MORE THAN 5'-11" ABOVE
GRADE AND 3'-0" HIGH WOOD RAILING
IF DECK IS LESS THAN 5'-11" ABOVE
GRADE

MAX. 4" OPENING BETWEEN PICKETS

5/4 x 6 PRESSURE TREATED
DECKING WITH 1/4" GAP

WB1 RIM JOISTS
(PRESSURE TREATED)

GUARDS FOR STAIRS SHALL NOT BE LESS THAN 2'-11" HIGH MEASURED VERTICALLY FROM A LINE DRAWN THROUGH THE OUTSIDE EDGES OF THE STAIR NOSINGS

$\frac{4}{7}$ MIN. $\frac{7}{8}$ MAX.

2" x 4" WOOD
BLOCKING @ 4'-0"
O.C. MIN. BETWEEN
STRINGERS

PRECAST CONCRETE
SLAB

(CORROSION RESISTANT)
SIMPSON STRONG-TIE COLUMN
BASE. 1/2" DIA. ANCHOR
BOLT.

12" CONC. PIER

WOOD DECK SECTION WITH BRICK VENEER

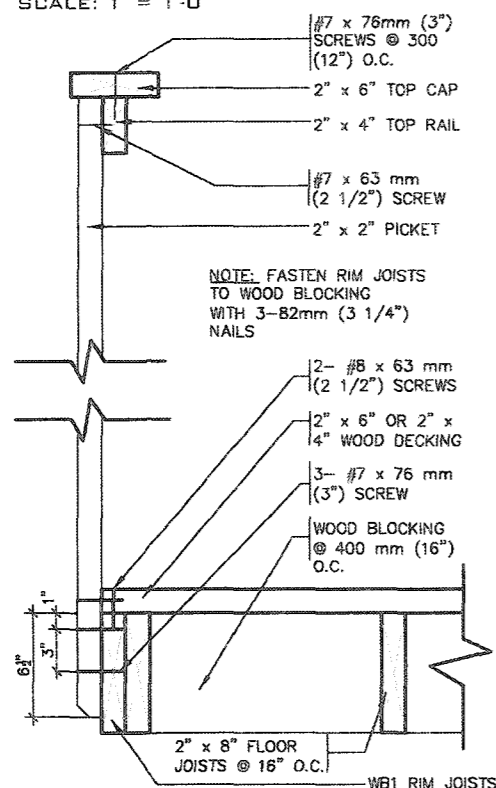
SCALE: 1/2"=1'-0"

DETAIL 1

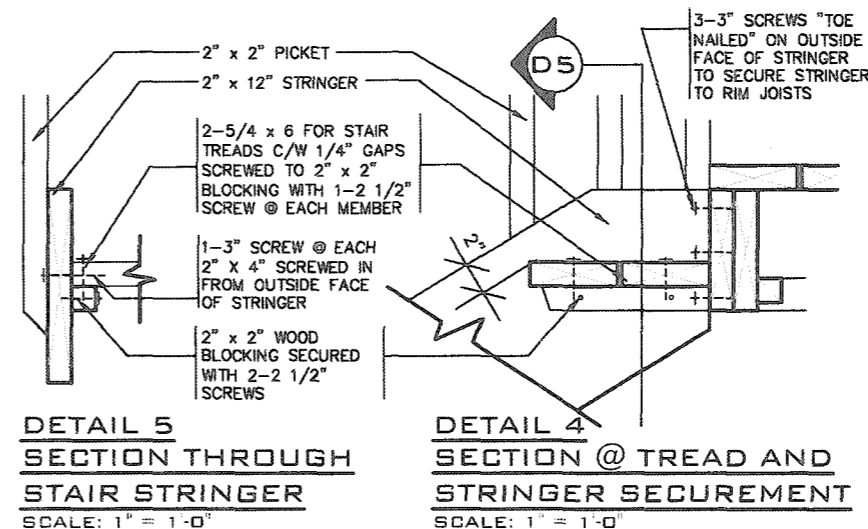
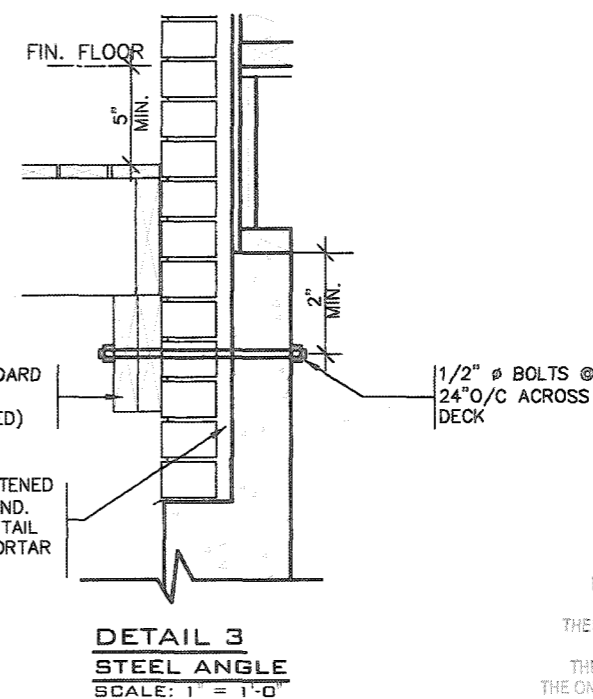
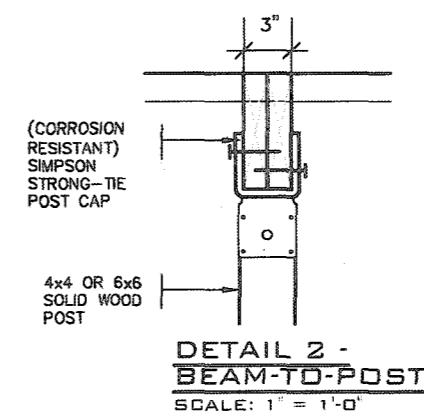
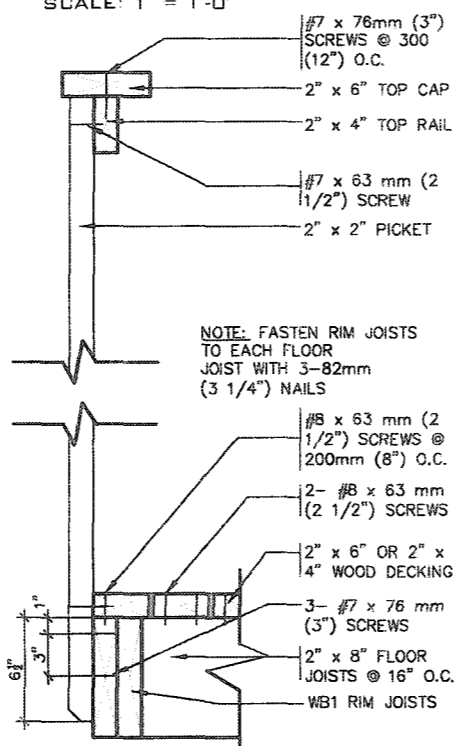
CANTILEVERED PICKET SCREWED TO RIM JOIST AND DECK

GUARD PARALLEL
TO FLOOR JOISTS

SCALE: 1" = 1'-0"



GUARD PERPENDICULAR
TO FLOOR JOISTS

SCALE: $1^{01} = 1-0^{11}$ 

GENERAL NOTES

1. BRICK TO HAVE COMPRESSIVE STRENGTH OG 15mPa (2200 p.s.i) MIN.UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
2. MORTAR TO BE TYPE 'S' WITH JOINT THICKNESS OF 10mm (3/8") MIN. AND 20mm (3/4") MAX.
3. THE DECK HAS BEEN DESIGNED TO SAFELY SUPPORT A SUPERIMPOSED LOAD OF 1.9kPa. [40psf].
4. ALL NAILS AND SCREWS TO BE GALVANIZED.
5. WOOD FOR CANTILEVERED PICKETS SHALL BE DOUGLAS FIR-LARCH, SPRUCE-PINE-FIR, OR HEM-FIR SPECIES.
6. CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 20MPa. AT 28 DAYS AND 5-8% AIR ENTRAINED.
7. FOOTING TO BE PLACED ON UNDISTURBED SOIL WITH MINIMUM BEARING PRESSURE OF 150kPa [3130psf].
8. WB1= 2- 2"x8" (PRESSURE TREATED)
WB3= 2- 2"x10" (PRESSURE TREATED)

CITY OF HAMILTON
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Planning & Development Department

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Building Division

Permit No. 20-187720

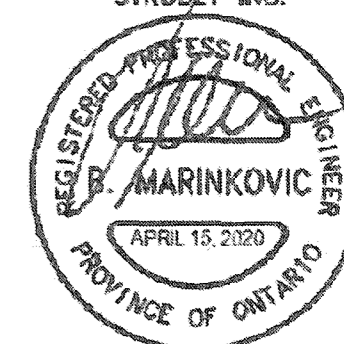
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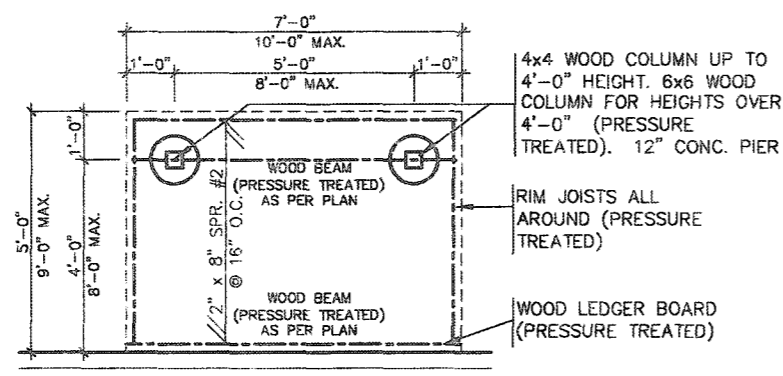
STRUDET INC.



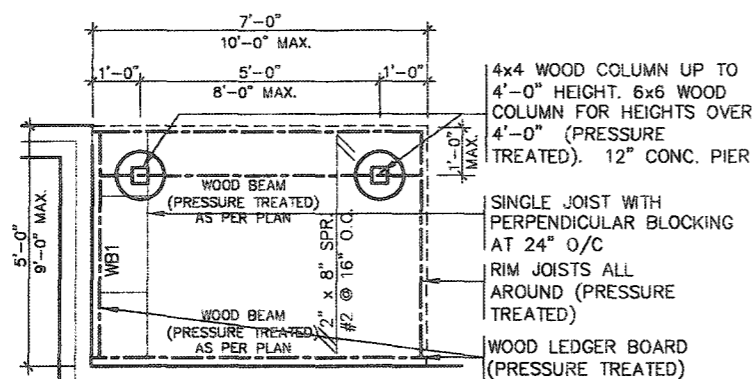
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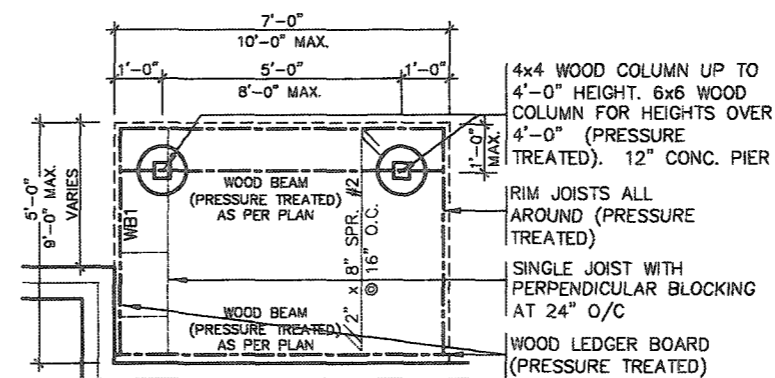
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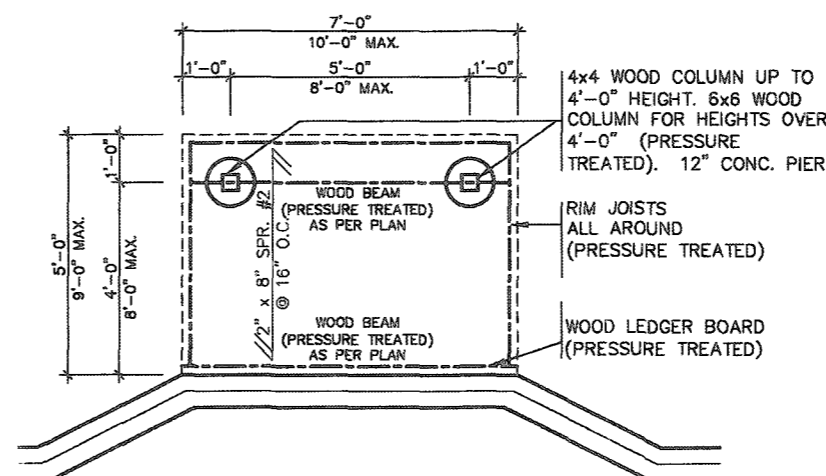
TYPICAL DECK LAYOUT
SCALE: 1/4" = 1'-0"



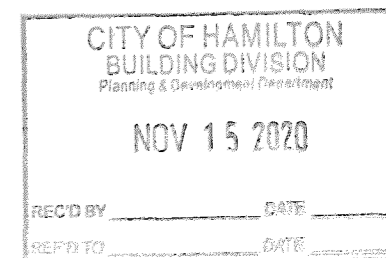
TYPICAL DECK LAYOUT
SCALE: 1/4" = 1'-0"



TYPICAL DECK LAYOUT
SCALE: 1/4" = 1'-0"



TYPICAL DECK LAYOUT
SCALE: 1/4" = 1'-0"



CITY OF HAMILTON
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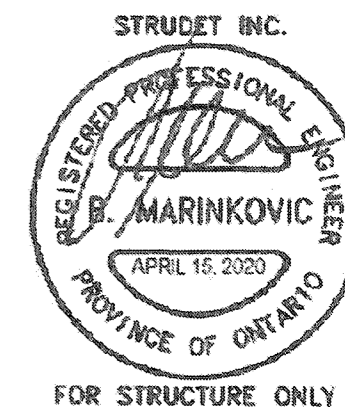
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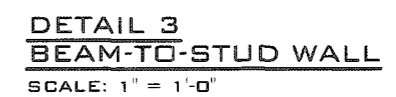
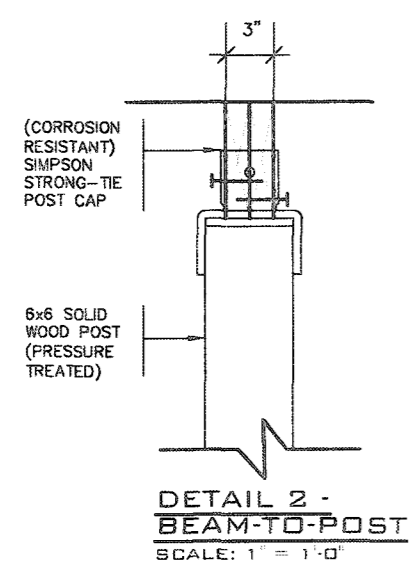
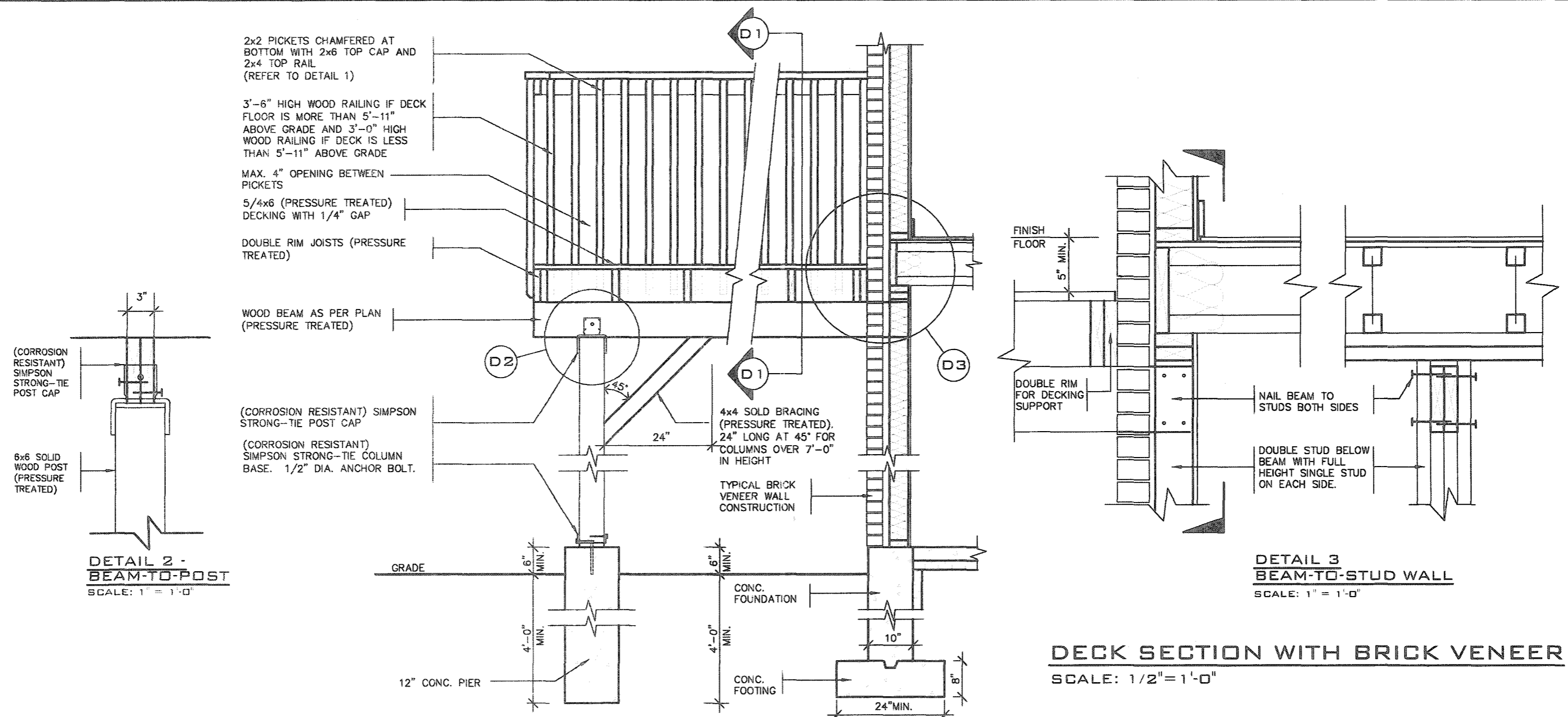
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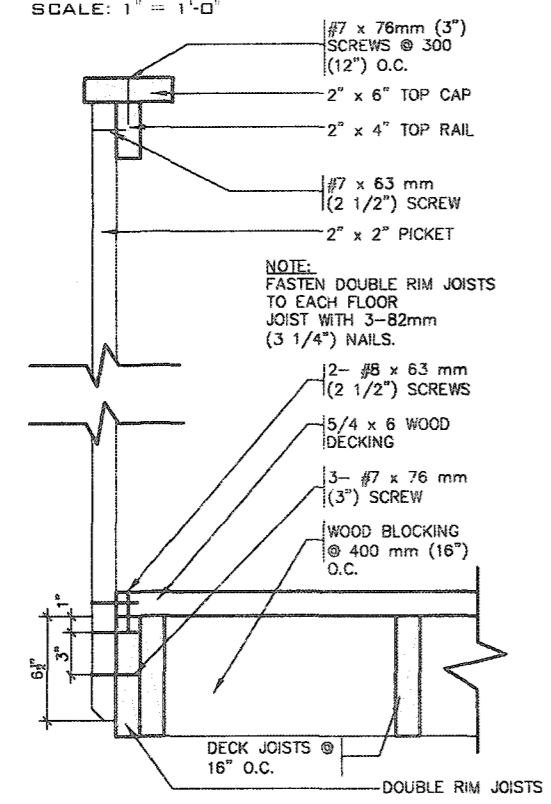
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9. _____ 8. _____ 7. _____ 6. _____ 5. _____ 4. _____ 3. _____ 2. _____ 1. ISSUED FOR PERMIT. A-R 13/20 GW no. description date by		The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer. qualification information Richard Vink 24488 name BCN registration information VA3 Design Inc. 42656 Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be copied.	VA3 DESIGN 255 Consumers Rd Suite 120 Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3design.com	Greenpark. project name RUSSELL GARDENS PH. 3 date APRIL 2020 drawn by GW checked by As Shown municipality WATERDOWN project no. 19014 drawing no. 5-1	SINGLES WOOD DECK PLANS 19014-GP-STD_DETAILS_A1
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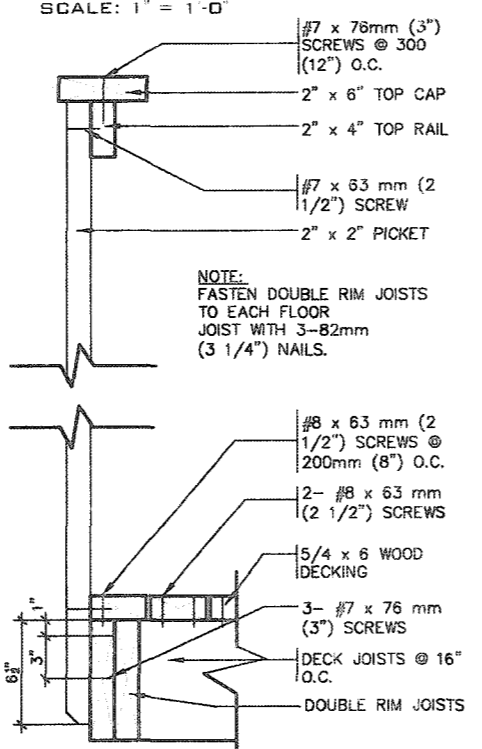


DECK SECTION WITH BRICK VENEER
SCALE: 1/2" = 1'-0"

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



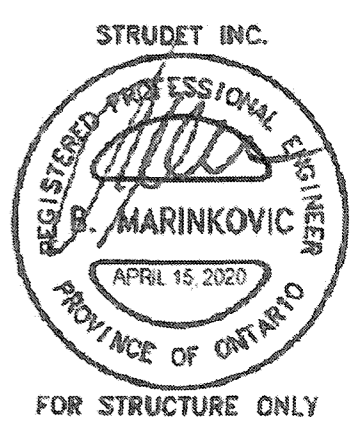
GUARD PERPENDICULAR TO FLOOR JOISTS
SCALE: 1" = 1'-0"



- GENERAL NOTES**
- BRICK TO HAVE COMPRESSIVE STRENGTH OG 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.
 - THE DECK HAS BEEN DESIGNED TO SAFELY SUPPORT A SUPERIMPOSED LOAD OF 1.9kPa. [40psf].
 - ALL NAILS AND SCREWS TO BE GALVANIZED.
 - WOOD FOR CANTILEVERED PICKETS SHALL BE DOUGLAS FIR-LARCH, SPRUCE-PINE-FIR, OR HEM-FIR SPECIES.
 - CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 20MPa. AT 28 DAYS AND 5-8% AIR ENTRAINED.
 - FOOTING TO BE PLACED ON UNDISTURBED SOIL WITH MINIMUM BEARING PRESSURE OF 150kPa [3130psf].
 - WB1= 2- 2"x8" (PRESSURE TREATED)
WB3= 2- 2"x10" (PRESSURE TREATED)

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FOR CHIEF BUILDING OFFICIAL DATE

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Planning & Development Department
NOV 15 2020
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2012 CODE COMPLIANCE PACKAGE A1

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no.	description	date	by						

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qualification information
Richard Vink
signature
name
registration information
VA3 Design Inc.
42658

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Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

VA3 DESIGN

Greenpark.

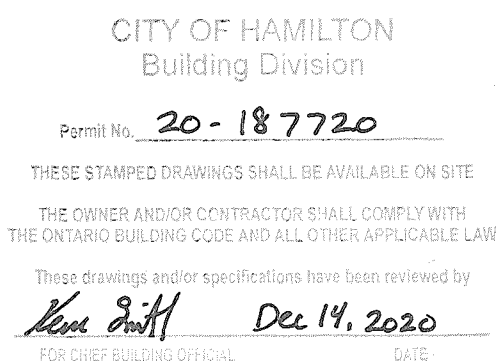
SINGLES

project name RUSSELL GARDENS PH. 3	municipality WATERLOON	project no. 19014
date APRIL 2020	checked by As Shown	drawing no. 6
drawing title WOOD DECK DETAILS-WALK-OUT CONDITION		file name 19014-GP-STD_DETAILS_A1



STRUCTURAL REINFORCEMENT FOR GRAB BAR (OBC 9.5.2.3.)

FOR MAIN BATH ONLY



STRUDET INC.

REGISTERED PROFESSIONAL ENGINEER

B. MARINKOVIC

APRIL 15, 2020

PROVINCE OF ONTARIO

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8					qualification information	
7					Richard Vink	24488
6					<i>R Vink</i>	signature
5					name	BCIN
4					registration information	42658
3					VA3 Design Inc.	
2					Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be copied.	
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SINGLES

project name RUSSELL GARDENS PH. 3		municipality WATERDOWN		project no. 19014
drawing no. STUD WALL REINFORCEMENT		drawing no. 8		
date APRIL 2020	checked by GW	scale Not to Scale	file name 19014-GP-STD_DETAILS_A1	

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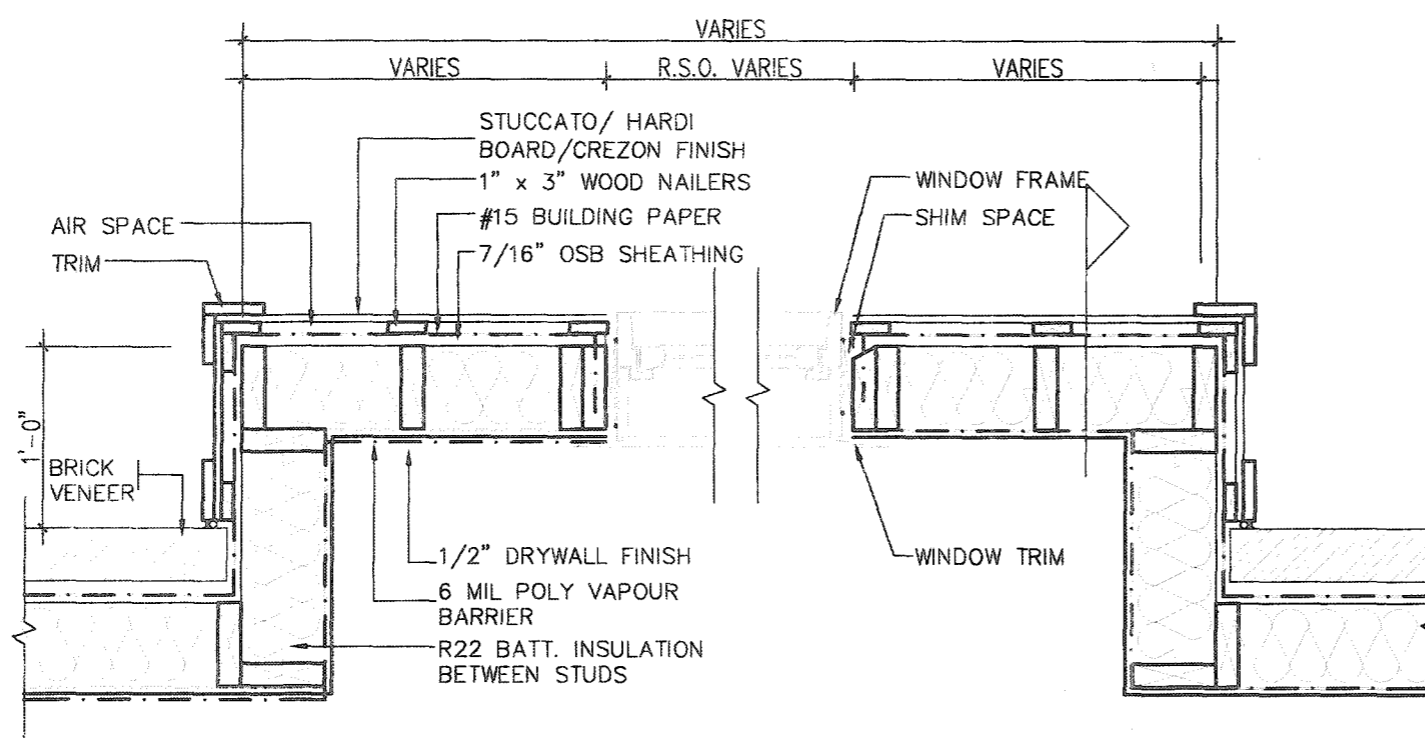
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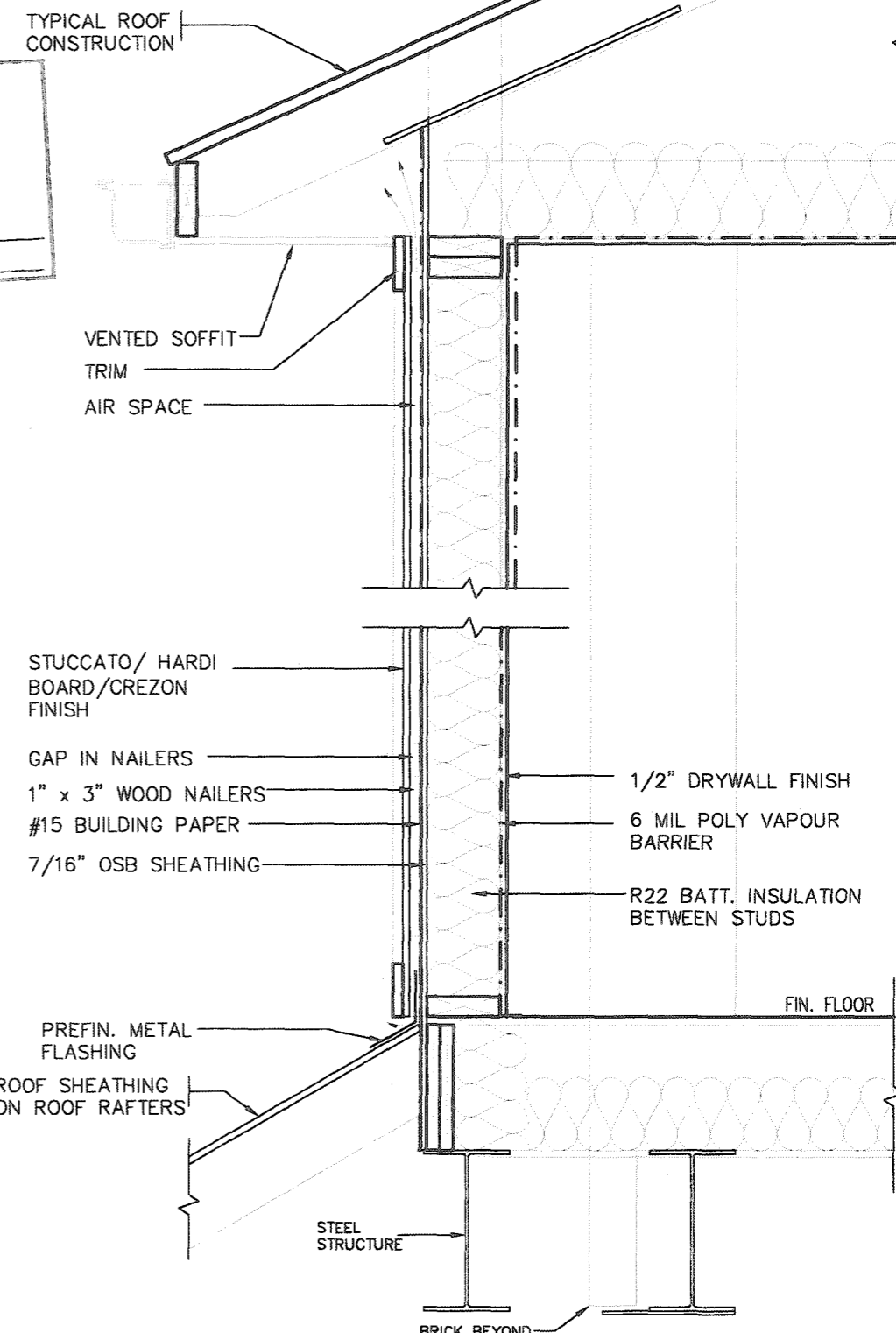
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Planning & Development Department

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PLAN VIEW



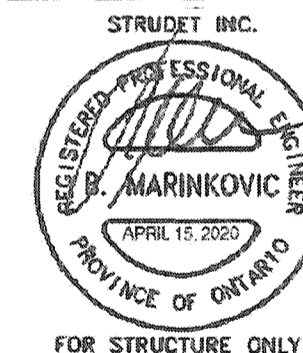
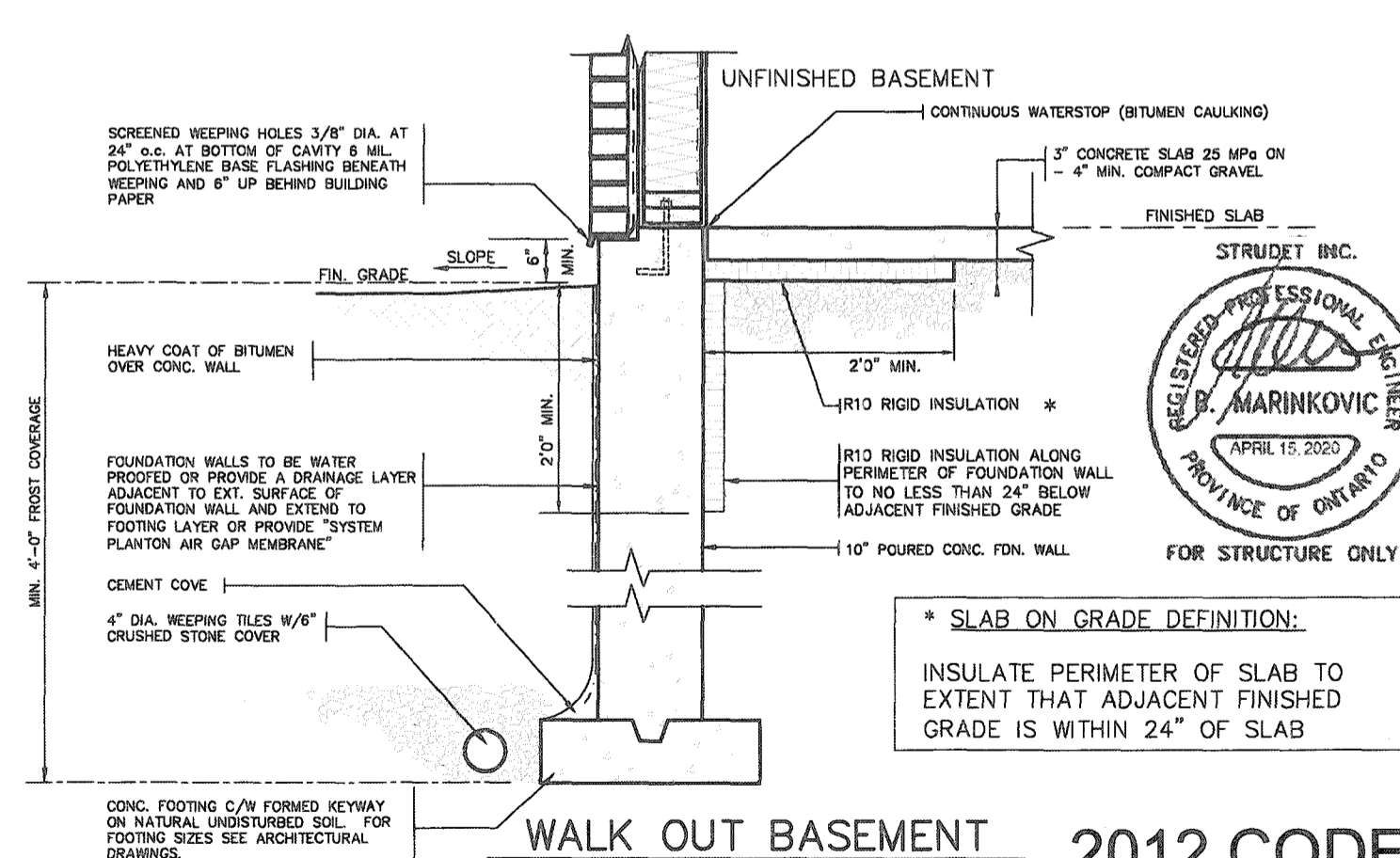
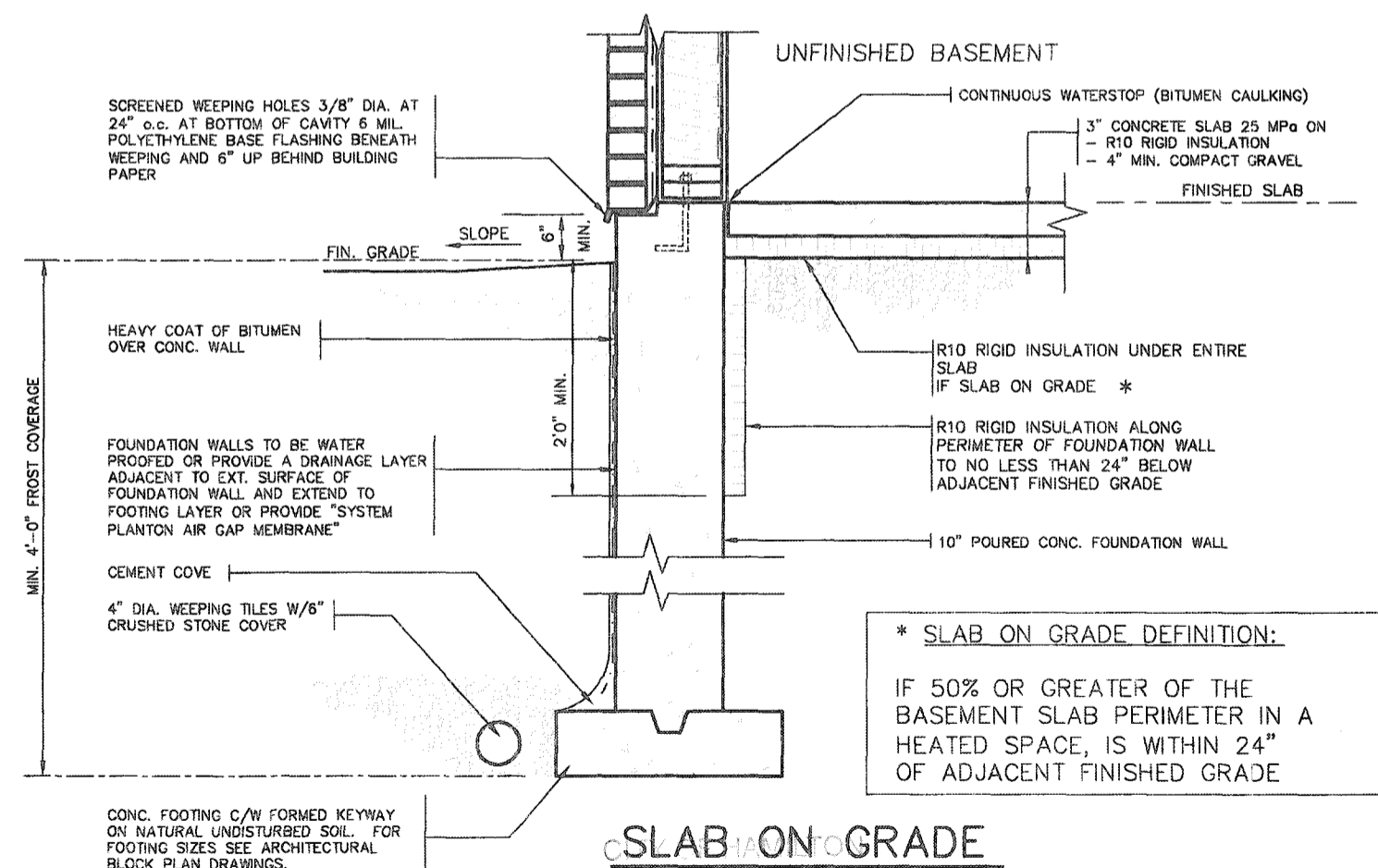
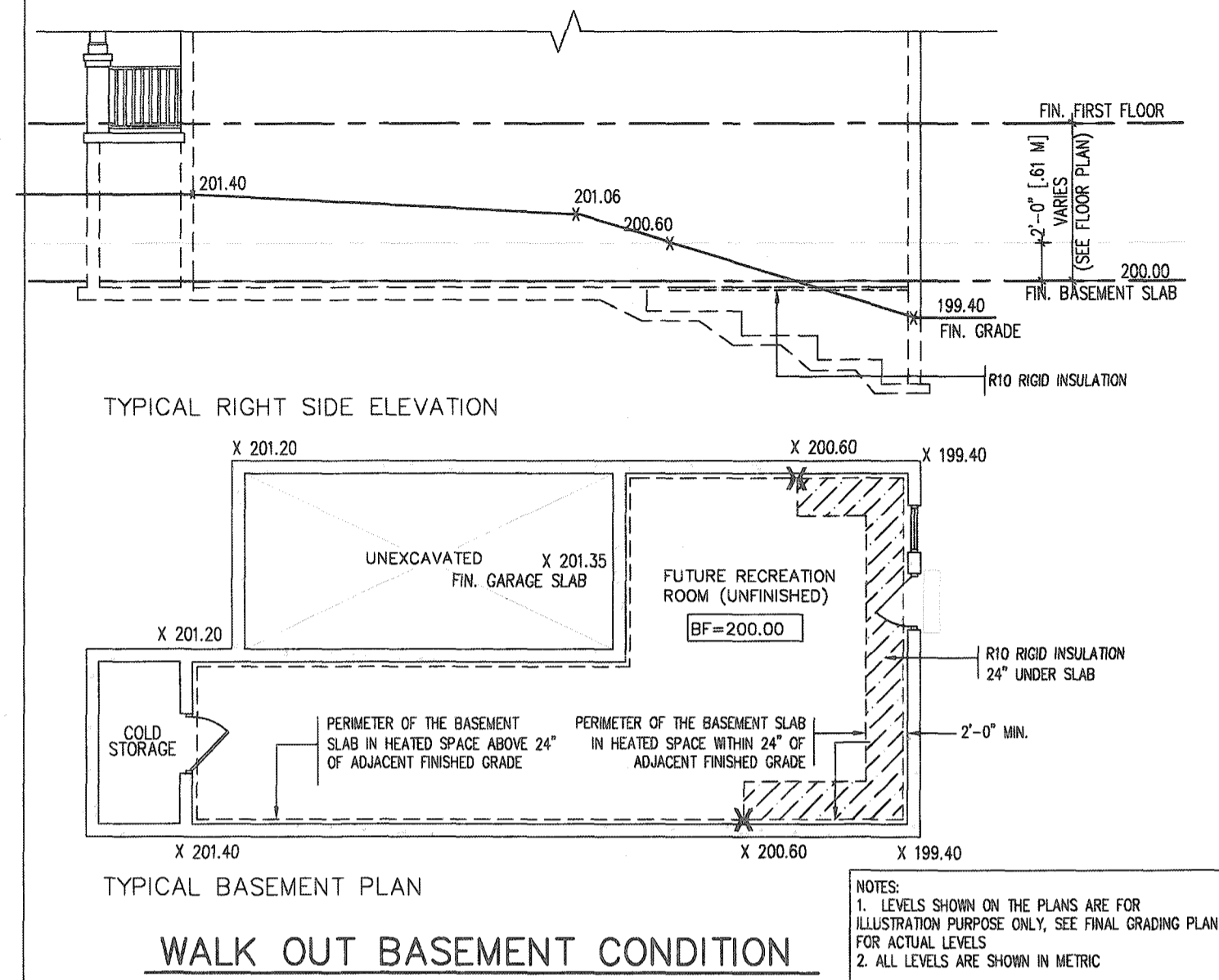
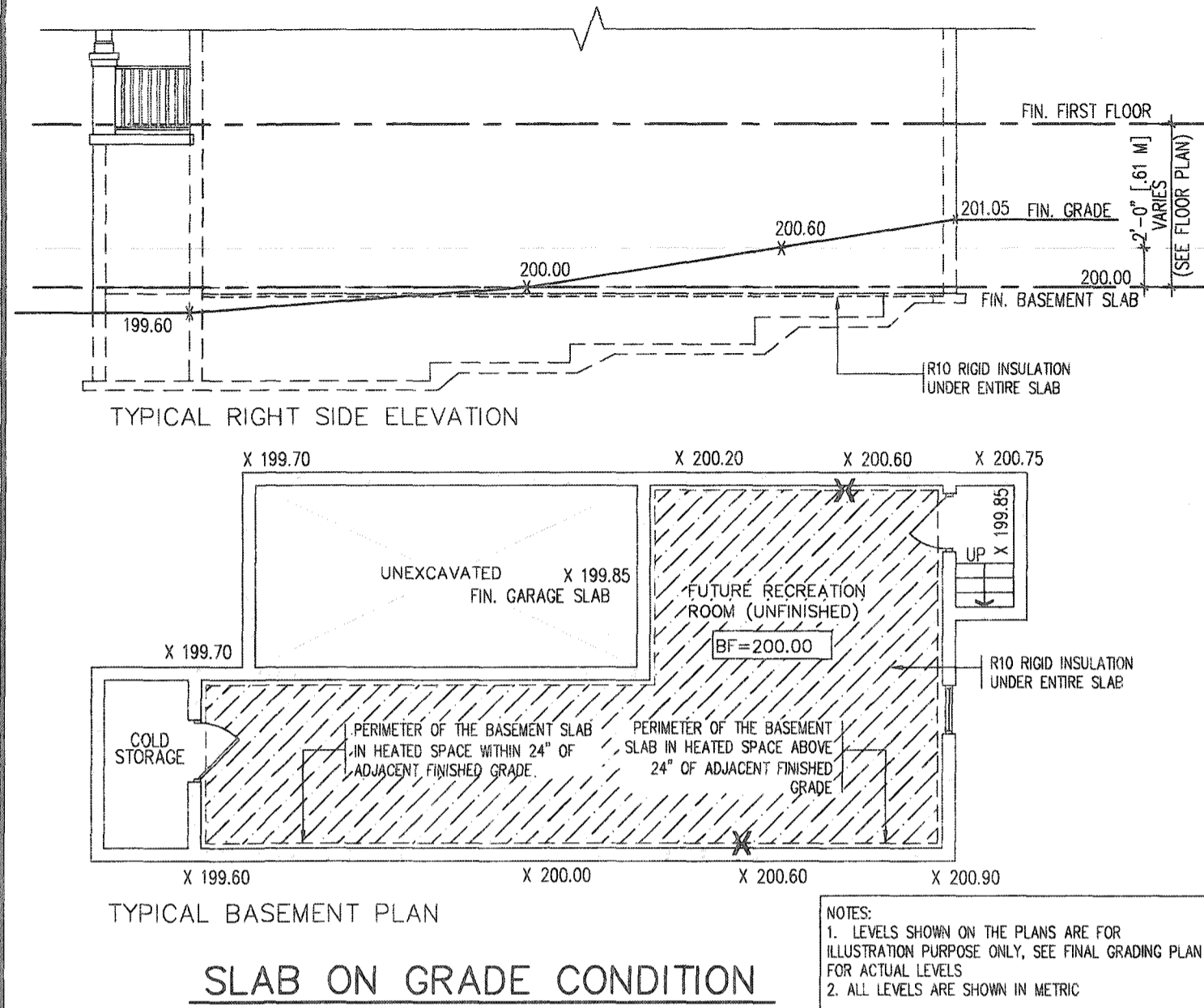
CROSS SECTION

STUCCATO BOARD FINISH CLADDING OR EQUAL (OBC 9.27.)



2012 CODE
COMPLIANCE PACKAGE A1

<div> <div>9</div> <div>8</div> <div>7</div> <div>6</div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1</div> </div> <div>ISSUED FOR PERMIT.</div> <div>no. description</div>	<div> <div>APR 13/20</div> <div>GW</div> </div> <div>date by</div>	<div> <div>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.</div> <div> <div>qualification information</div> <div>Richard Vink</div> <div>24488</div> <div>BCO</div> </div> <div> <div>name</div> <div>VA3 Design Inc.</div> <div>42658</div> </div> </div> <div> <div>Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.</div> </div>	<div> <div>VA3</div> <div>DESIGN</div> </div> <div> <div>255 Consumers Rd Suite 120</div> <div>Toronto ON M2J 1R4</div> <div>t 416.630.2255 f 416.630.4782</div> <div>va3design.com</div> </div>	<div> <div>Greenpark.</div> </div> <div> <div>project name</div> <div>RUSSELL GARDENS PH. 3</div> </div> <div> <div>city</div> <div>WATERDOWN</div> </div> <div> <div>date</div> <div>APRIL 2020</div> </div> <div> <div>drawn by</div> <div>GW</div> </div> <div> <div>checked by</div> <div>-</div> </div> <div> <div>scale</div> <div>Not to Scale</div> </div>	<div> <div>SINGLES</div> </div> <div> <div>project no.</div> <div>19014</div> </div> <div> <div>drawing no.</div> <div>9</div> </div>
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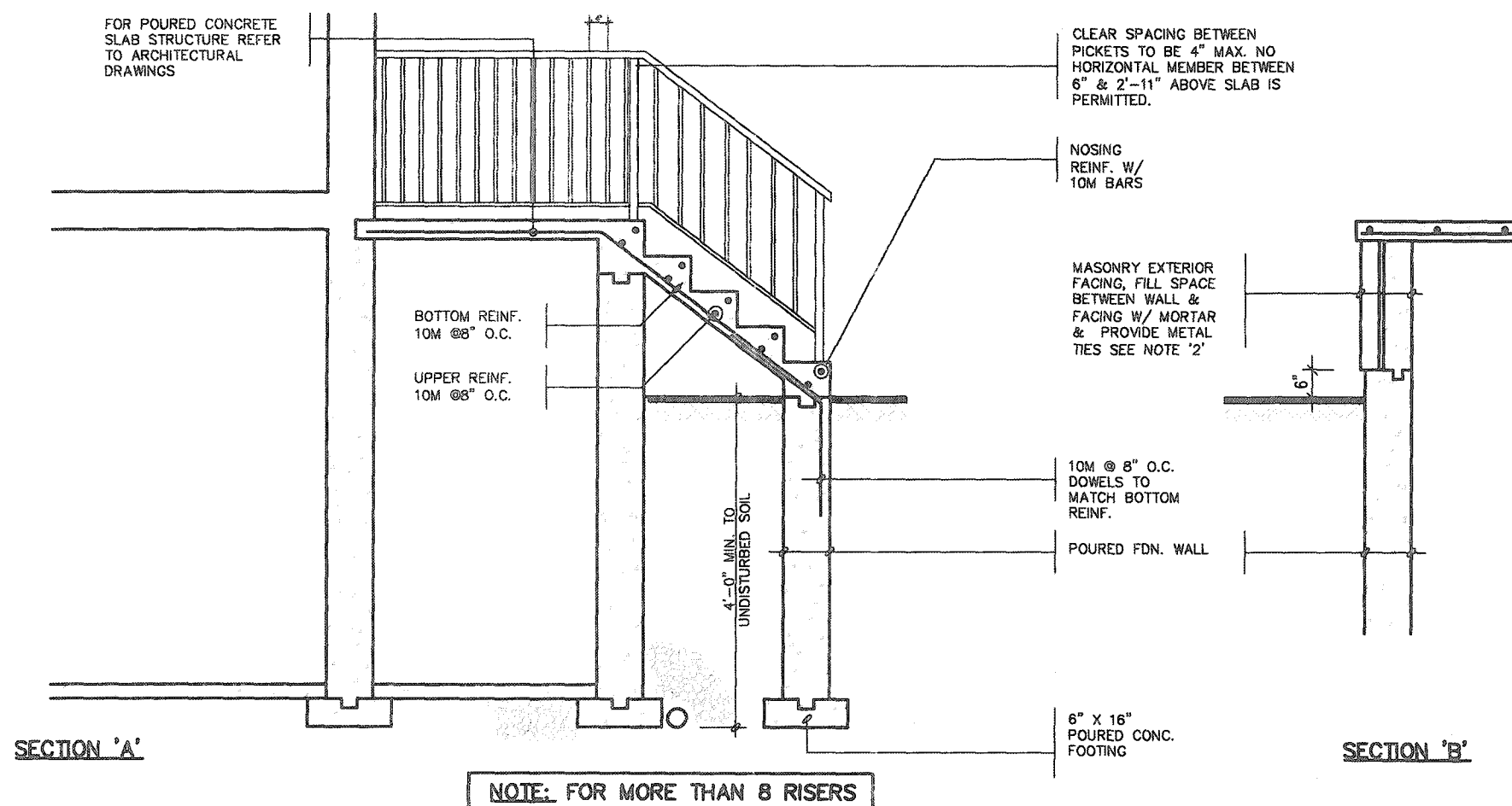
CITY OF HAMILTON
BUILDING DIVISION
Planning & Development Department
NOV 15 2020
REC'D BY
DATE

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These drawings and specifications have been reviewed by
Ken Smith Dec 14, 2020

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2					
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No. description date by					

VA3 DESIGN
255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

Greenpark
project name
RUSSELL GARDENS PH. 3
municipality
WATERDOWN
date
APRIL 2020
drawn by
GW
checked by
Not to Scale
scale
SLAB ON GRADE INSULATION
19014-GP-STD_DETAILS_A1
project no.
19014
drawing no.
10



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 3/16" DIA. CORROSION
RESISTANT METAL TIES @ 36" HORIZONTAL &
8" VERTICAL

3. GUARDS

ARE REQUIRED AROUND CONCRETE SLAB IF MORE THAN 2'-0" ABOVE GRADE & ON BOTH SIDES OF STAIRS CONTAINING MORE THAN 6 RISERS. MINIMUM 34" HIGH FOR STAIRS MINIMUM 36" 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 34" -
38"

5. FOUNDATION WALLS

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

6. CONCRETE

MINIMUM CONCRETE STRENGTH SHALL BE
4650 PSI [32MPa] W/ 5%-8% AIR
ENTRAINMENT MINIMUM CONCRETE SLAB
THICKNESS 5"

7. CONCRETE COVER

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

CITY OF HAMILTON
Building Division

Permit No. 20-187720

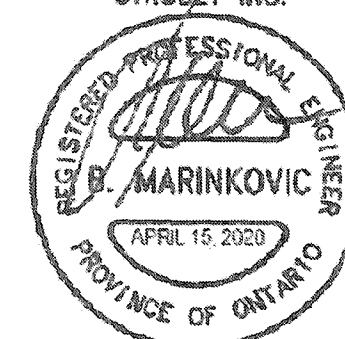
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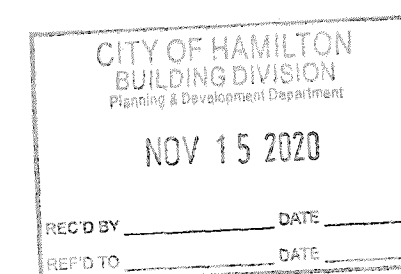
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FOR CHIEF BUILDING OFFICIAL: Kenn Smith DATE: Dec 14, 2020



STRUDET INC.



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9					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.	 255 Consumers Rd Suite 120 Toronto ON M2J 1H7 t 416.630.2255 f 416.630.4782 v3design.com	 SINGLES	project name RUSSELL GARDENS PH. 3	municipality WATERDOWN	project no. 1901	drawing no. 11					
8				qualification information												
7				Richard Vink	24488											
6				name	signature							BCIN				
5				registration information												
4				VA3 Design Inc.	42658											
3				Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be copied or reproduced without written permission.												
2																
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no.	description	date	hw													

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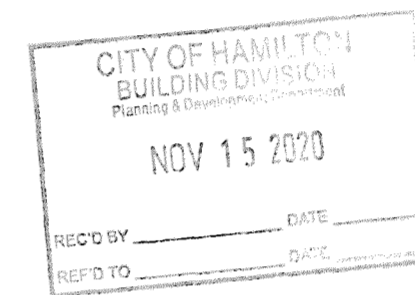
TO
OTHERWISE
VIEWED BY

BRICK/
STONE
VENEER

INVERTED
3-1/2"x3-1/2"x1/4"
(90x90x6.0)
STEEL ANGLE

BRICK/
STONE
VENEER

INVERTED STEEL ANGLE DETAIL



Permit No. 20-187720

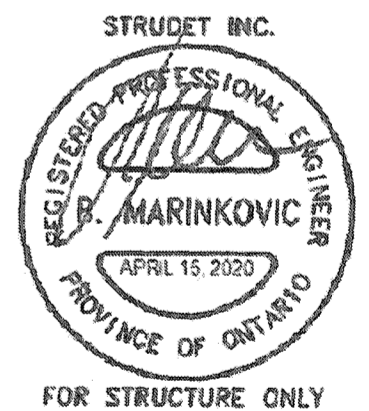
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Kenn Smith Dec 14, 2020

FOR CHIEF BUILDING OFFICIAL DATE



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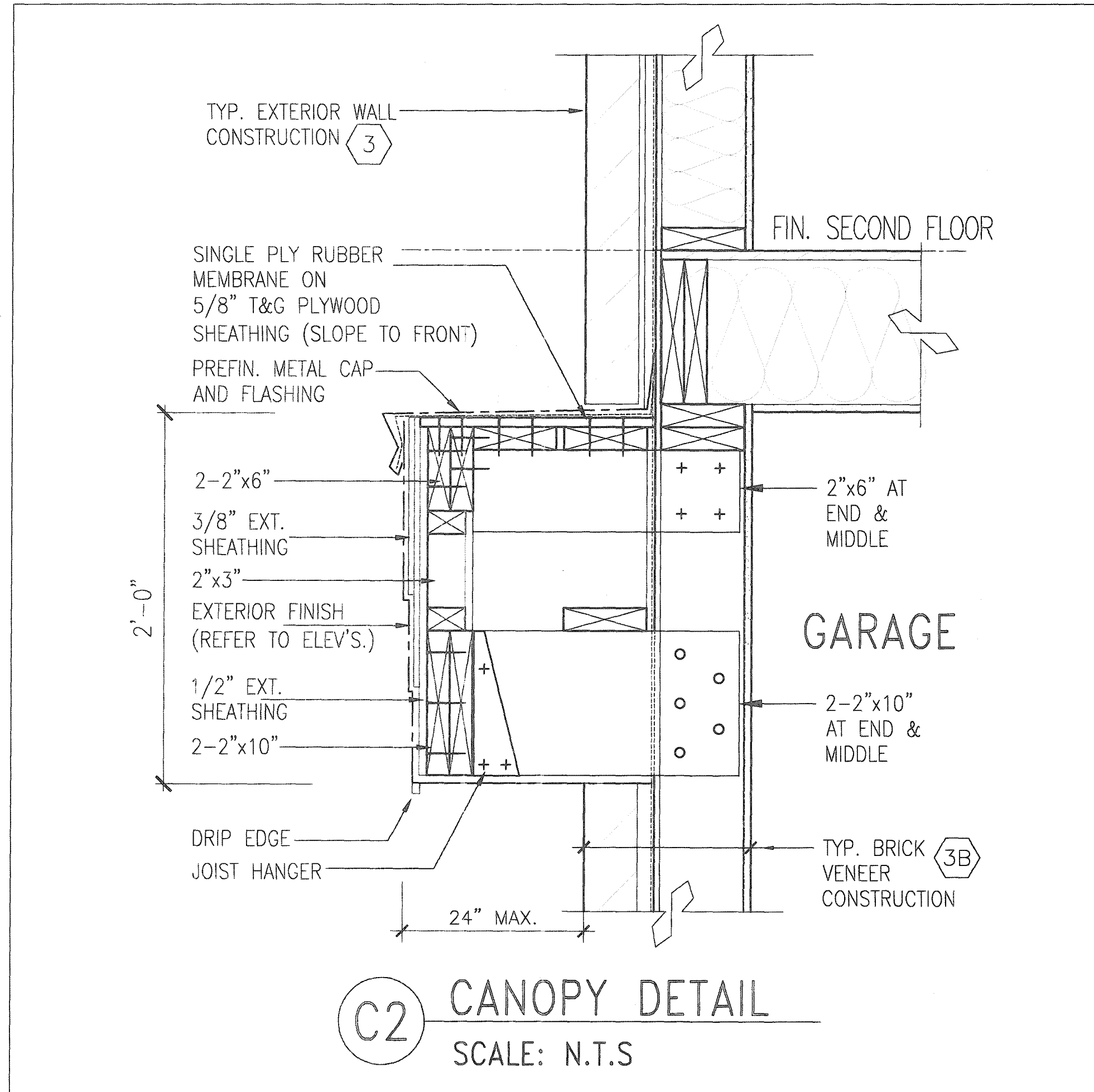
9		-	-	The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code as a Designer.
8		-	-	qualification information
7		-	-	Richard Vink <i>R Vink</i> 24468
6		-	-	name registration information BCIN
5		-	-	VAS Design Inc. 42658
4		-	-	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be scaled.
3		-	-	
2		-	-	
1	ISSUED FOR PERMIT.	APR 13/20	GW	
	no. description	date by		

255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
va3design.com

SINGLES

project name	municipality
RUSSELL GARDENS PH. 3	WATERDOWN
date APRIL 2020	drawing no. 13
drawn by GW	title memo INVERTED STEEL ANGLE
checked by -	file name 19014-GP-STD_DETAILS_A1
scale No't To Scale	

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CITY OF HAMILTON
BUILDING DIVISION
Planning & Development Department
NOV 15 2020
REC'D BY _____ DATE _____
REF'D TO _____ DATE _____

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Building Division
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Ken Smith Dec 14, 2020
FOR CHIEF BUILDING OFFICIAL DATE

STRUDET INC.
REGISTERED PROFESSIONAL ENGINEER
B. MARINKOVIC
APRIL 15, 2020
PROVINCE OF ONTARIO
FOR STRUCTURE ONLY

C2 CANOPY DETAIL
SCALE: N.T.S

2012 CODE
COMPLIANCE PACKAGE A1

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