

9199 - H:\ARCHIVE\WORKING\2019\19014-GRE\CONSTR NOTES & DETAILS\SINGLES\GP-14X18-NOTES-2020-VA3-PKG-A1-19014.dwg - Thu, Dec 3 2020 - 2:15 PM

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 9.18.1.2.).

2. FRAME WALL CONSTRUCTION (2"x8") (SB-12-TABLE 3.1.1.2.A)

SIDING AS PER ELEV., 19x38 (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., 19x38 (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"x8") (SB-12-TABLE 3.1.1.2.A)

STUCCO CLADDING SYSTEM CONFORMING TO OBC 9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 10mm AIR SPACE BETWEEN THE CLADDING WITH POSITIVE DRAINAGE TO THE EXT. AND APPLIED PER MANUFACTURERS SPECIFICATIONS ON 25mm (1") MIN. EXTRUDED OR EXPANDED RIGID POLYSTYRENE ON APPROVED 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 OBC 9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 10mm AIR SPACE BETWEEN THE CLADDING WITH POSITIVE DRAINAGE TO THE EXT. AND APPLIED PER MANUFACTURERS SPECIFICATIONS ON 25mm (1") MIN. EXTRUDED OR EXPANDED 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"x8") (SB-12-TABLE 3.1.1.2.A)

90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x160x76mm (7/8"x6"x3") GALV. METAL TIES @ 406mm (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 APPROVED VAPOUR BARRIER WITH APPROVED CONTIN. AIR BARRIER, 13mm (1/2") INT. DRYWALL FINISH. PROVIDE WEED 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, 22x160x76mm (7/8"x6"x3") GALV. METAL TIES @ 406mm (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 WEED 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. BRICK WALL CONSTRUCTION (2"x8") (SB-12-TABLE 3.1.1.2.A)

STUCCO CLADDING SYSTEM CONFORMING TO OBC 9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 10mm AIR SPACE BETWEEN THE CLADDING WITH POSITIVE DRAINAGE TO THE EXT. AND APPLIED PER MANUFACTURERS SPECIFICATIONS ON 25mm (1") MIN. EXTRUDED OR EXPANDED RIGID POLYSTYRENE ON APPRO. 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 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.

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"x4") TOP PLATE, 13mm (1/2") INT. DRYWALL BOTH SIDES OF STUDS. PROVIDE 38x140 (2"x6") STUDS/PLATES WHERE NOTED.

FOUNDATION WALL/FOOTINGS (9.15.3, 9.15.4, 9.13.2, 9.14.2, 9.12.1)

200mm (8") POURED CONC. FDN. WALL 150mm (6") Z200PS WITH BITUMINOUS DAMPROOFING AND DRAINAGE LAYER. DRAINAGE LAYER REQ'D. WHEN BASEMENT INSUL. EXTENDS 900 (2'-11") BELOW FIN. GRADE. DRAINAGE LAYER IS NOT REQ'D. IF FOUNDATION WALL IS WATERPROOFED. MINIMUM POUR HEIGHT 2390 (7'-10") ON 500x155 (2"x6") CONTINUOUS KEYED CONC. FTG. BRACE FDN. WALL PRIOR TO BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED ENGINEERED FILL.

STRIP FOOTINGS - FOR TOWNHOUSES

FOR STRIP FOOTING STUDS 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.

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(18)

80mm (3 1/8") 25MPa (3600psi) CONC. SLAB ON 100mm (4") COARSE GRANULAR FILL OR 201Pa (300psi) 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 9.23.1.4 & 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-12-3.1.1.8)

RSI 10.56 (R60) BLOWN IN ROOF 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'-0")
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 955 (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 NEVEL 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 FDN. WALL. USE NON-SHRINK GROUT TO LEVEL SILL PLATE WHEN REQUIRED.

13. BASEMENT INSULATION (SB-12-3.1.1.7, 9.25.2.3, 9.13.2.6)

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 3.52 (R20) BLANKET INSULATION TO HAVE APPROVED VAPOUR BARRIER. RECOMMEND 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 @ 406mm (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)

68mm (3-1/2") DIA x 4.76mm (0.188") STL. COL. WITH A MIN. CAPACITY OF 103.6kN (24,000lbs) WITH 150x150x5 (5"x6"x3/8") STL. TOP & BOTTOM PLATE.

16A. STEEL COLUMN

60mm (3-1/2") DIA x 4.76mm (0.188") STL. COL. WITH FIELD WELD 100x100x6 (4"x4"x1/4") TOP & BOTTOM PLATES. WELD 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"x12x2"). THE COLUMN TO STUD WALL WITH 2-12x125 (2-1/2"x12x2") STL. STRIP WELDED TO COLUMN AND FASTENED TO STUD WITH 2-SDS 6.35x38 (1/4"x1 1/2") SCREWS (BUMP) BY SIMPSON STRONG TIE.

Permit No. 21-105965

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE

THE OWNER AND/OR CONTRACTOR SHALL COMPLY WITH THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAW

These drawings and/or specifications have been reviewed by

FOR CHIEF BUILDING OFFICIAL DATE

16. CONCRETE PILASTER

SEAM POCKET OR 200x260 (8"x8") POURED CONC. NIB WALLS. MIN. BEARING 90mm (3-1/2")

17. 19x38 (1"x2") CONTINUOUS WOOD STRAPPING BOTH SIDES OF STEEL BEAM (OBC 9.23.4.3.3c)

18. 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.

19. 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 OBC 9.10.9.16. REFER TO SB-12, TABLE 3.1.1.2.A. FOR REQUIRED THERMAL INSULATION.

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

21. EXTERIOR STEP

PREFRST CONCRETE STEP OR WOOD STEP WHERE NOT EXPOSED TO WEATHER. MAX. RISE 200mm (7-7/8") MIN. TREAD 250mm (9-7/32"). SEE OBC 9.8.8.2, 9.8.8.3 & 9.8.10.

22. DRYER VENT (OBC 9.2.3.8.7) & 6.2.4.1.1

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

23. INSULATED ATTIC ACCESS (OBC 9.18.2.1 & SB12-3.1.1.8)

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. PREPARE CHIMNEYS - OBC 9.2.1 -

TOP OF PREPARED 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 PARTIALLY. 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. U.L.C. RATED CLASS "B" VENT 610mm (2'-0") ABOVE THE POINT IN CONTACT WITH THE ROOF SLOPES UP TO 9/12, REFER TO THE ONTARIO GAS UTILIZATION CODE.

29. BASEMENT WOOD POST (OBC 9.17.4)

3-38x140 (3-2"x4") BUILT-UP POST ON METAL BASE SHOE ANCHORED TO CONC. WITH 12.7 DIA. BOLT, 406x406x203 (16"x16"x8") CONC. FTG. 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 6x6-12x6x12.9 MESH PLACED NEAR MID-DEPTH OF SLAB. CONC. STRENGTH 32 MPa (4640 psi) WITH 5-8% AIR ENTRAINMENT ON COMPACTED SUB-BASE. 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" (90x90x6.0)
L2 = 4" x 3-1/2" x 5/16" (100x90x8.0)
L3 = 5" x 3-1/2" x 5/16" (125x90x8.0)
L4 = 6" x 3-1/2" x 3/8" (150x90x10.0)
L5 = 6" x 4" x 3/8" (150x100x10.0)
L6 = 7" x 4" x 3/8" (180x100x10.0)

LAMINATED VENEER UNDER (LVL) BEAMS

LVL1A = 1-1 3/4"x7 1/4" (1-35x184)
LVL1 = 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)
LVL4 = 2-1 3/4"x9 1/4" (2-45x235)
LVL5 = 3-1 3/4"x9 1/4" (3-45x235)
LVL6A = 1-1 3/4"x11 7/8" (1-45x300)
LVL6 = 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" (88x88x6.0)
WL2 = 4" x 3-1/2" x 5/16" (102x88x8.0)
WL3 = 5" x 3-1/2" x 5/16" (127x88x8.0)
WL4 = 6" x 3-1/2" x 7/16" (152x88x11.0)
WL5 = 6" x 4" x 7/16" (152x102x11.0)
WL6 = 3-1/2" x 5/16" (127x88x8.0)
WL7 = 5" x 3-1/2" x 5/16" (127x88x9.0)
WL8 = 5" x 3-1/2" x 5/16" (127x88x9.0)
WL9 = 6" x 3-1/2" x 5/16" (127x88x9.0)
WL10 = 6" x 4" x 7/16" (152x102x11.0)

WOOD LINTELS AND BEAMS

WB1 = 2-2"x8" (2-38x184) SPR. No.2
WB2 = 3-2"x8" (3-38x184) SPR. No.2
WB3 = 2-2"x10" (2-38x235) SPR. No.2
WB4 = 3-2"x10" (3-38x235) SPR. No.2
WB5 = 2-2"x12" (2-38x286) SPR. No.2
WB6 = 3-2"x12" (3-38x286) SPR. No.2
WB7 = 5-2"x12" (5-38x286) SPR. No.2
WB11 = 4-2"x12" (4-38x335) SPR. No.2
WB12 = 4-2"x12" (4-38x335) SPR. No.2

DOOR SCHEDULE

NO. WIDTH HEIGHT 10' OR MORE TYPE
1 2'-10" 6'-0" 6'-0" INSULATED ENTRANCE DOOR
2 2'-6" 6'-0" 6'-0" INSULATED FRONT DOORS
3 2'-6" 6'-0" 6'-0" WOOD & GLASS DOOR
4 2'-6" 6'-0" 6'-0" EXTERIOR SLAB DOOR
5 2'-6" 6'-0" 6'-0" INTERIOR SLAB DOOR
6 2'-6" 6'-0" 6'-0" INTERIOR SLAB DOOR
7 2'-6" 6'-0" 6'-0" INTERIOR SLAB DOOR

32. 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.

33. 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.

34. JOIST STRAPPING AND BRIDGING (SEE OBC 9.23.9.4)

18mm (5/8") T & G SUBFLOOR ON WOOD FLOOR JOISTS. FOR CERAMIC TILE APPLICATION @ SEE OBC 9.30.6. 9) 6mm (1/4") PANEL TYPE UNDERLAY UNDER RESILIENT & PARQUET FLOORING. (SEE OBC 9.30.2.9)
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 19x84 (1"x3") @ 2100mm (6'-11") O.C. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED. (SEE OBC 9.23.9.4)

35. EXPOSED BUILDING FACE - OBC 9.10.15

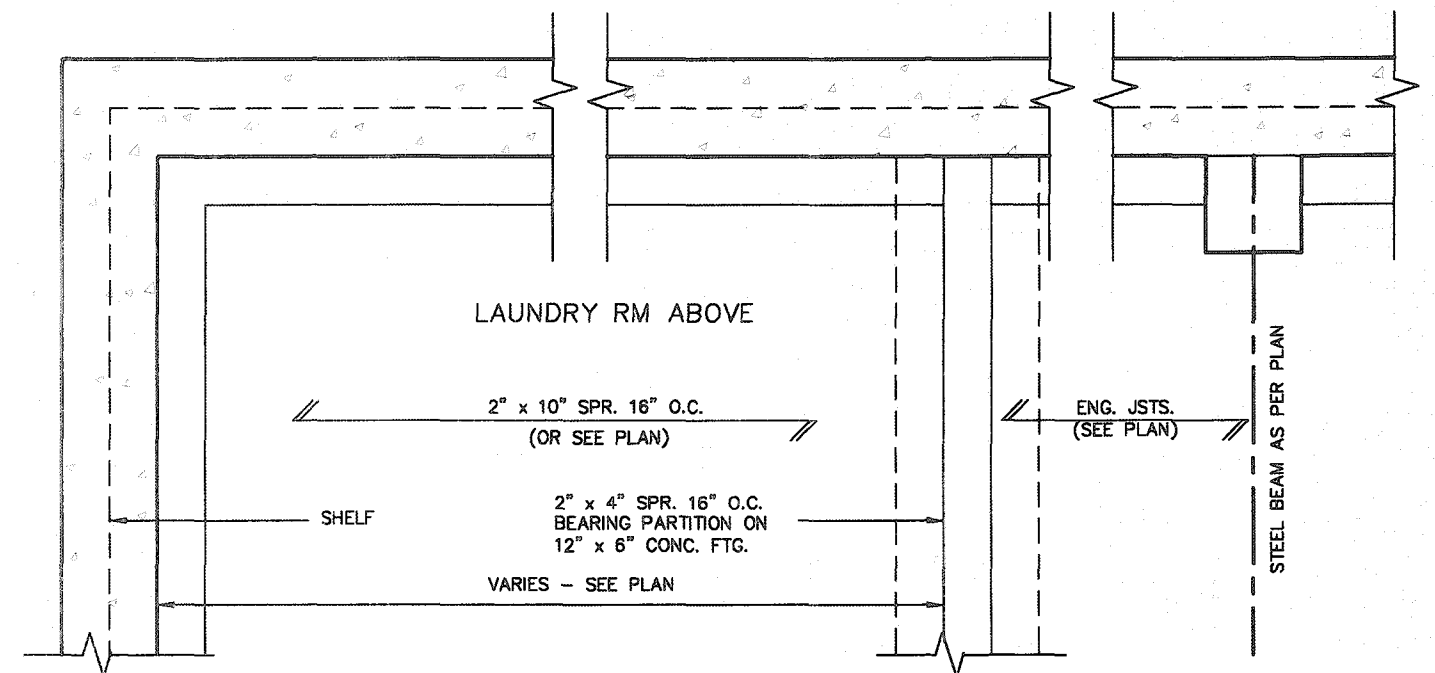
EXTERIOR WALLS TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45 min. WHERE LIMITING DISTANCE (LD) IS LESS THAN 1.2M (3'-11"). WHERE THE LD IS LESS THAN 600mm (1'-11") THE EXPOSING FACE SHALL BE CLAD IN NON-COMBUSTIBLE MATERIAL. SEE ELEVATIONS FOR ADDITIONAL NOTES.

36. SOLID CELLAR PORCH SLAB (OBC 9.38)

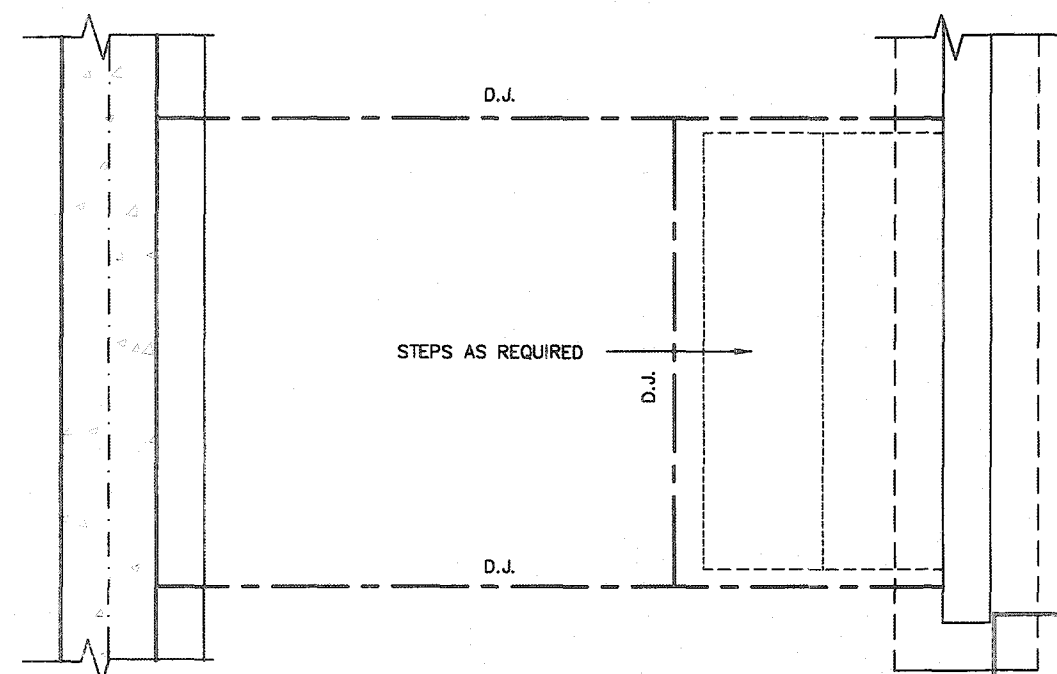
FOR MAX. 2500 mm (8'-2") PORCH DEPTH (SHORTEST DIM.), 125mm (4 7/8") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @ 200mm (7 7/8") O.C. EACH WAY IN BOTTOM THIRD OF SLAB, 600x600 (23 5/8" x 23 5/8") 10M DOWELS @ 600mm (23 5/8") O.C. ANCHORED IN PERIMETER FTG. WALLS. SLOPE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

37. BRICK CHECK

THE FDN. WALL SHALL NOT BE REDUCED TO LESS THAN 90mm (3-1/2") THICK TO A MAX. DEPTH OF 600mm (24") 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.



PARTIAL FOUNDATION PLAN



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

These drawings and/or specifications have been reviewed by
Kenn Smith Feb 22, 2021
 FOR CHIEF BUILDING OFFICIAL DATE

2012 CODE
COMPLIANCE PACKAGE A1

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8					qualification information	
7					Richard Vink	2448
6					name	BC
5					signature	
4					registration information	
3					VAS Design Inc.	4265
2						
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no.	description		date	by		

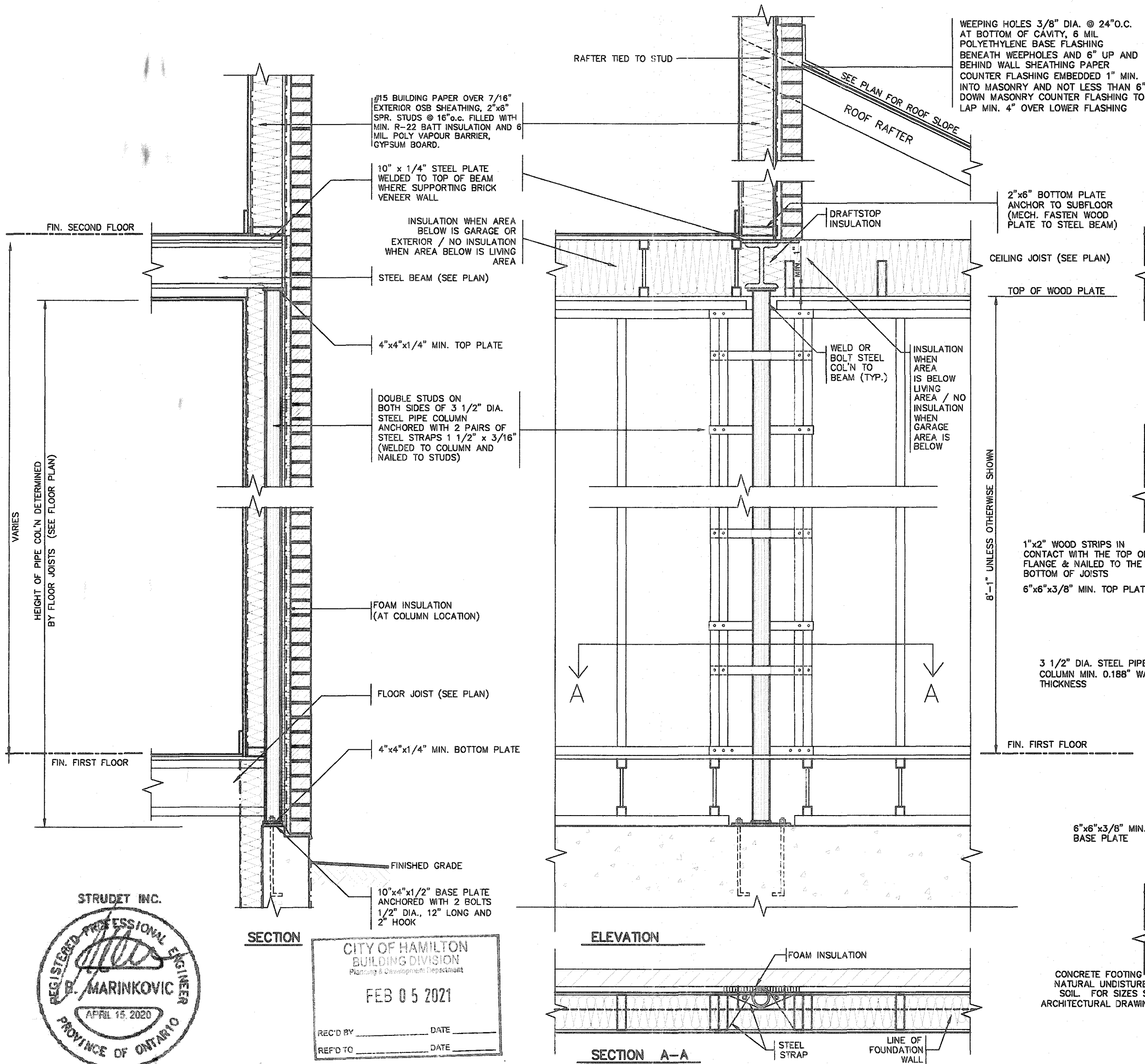
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t 416.630.2255 f 416.630.
va3design.com



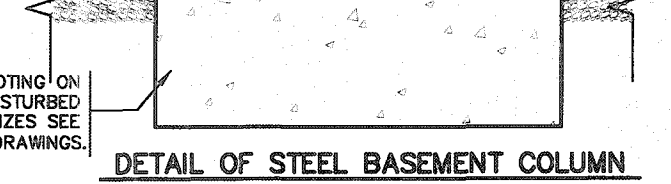
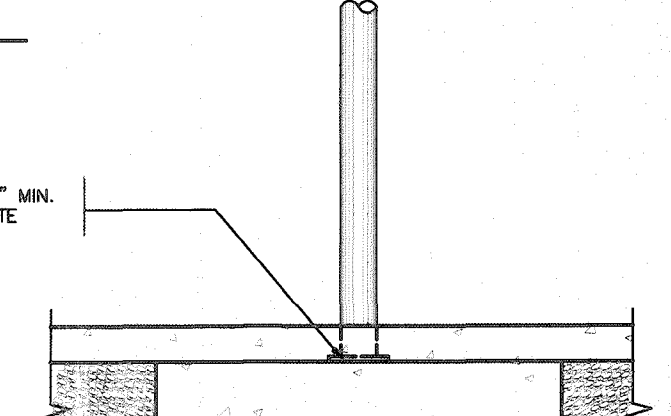
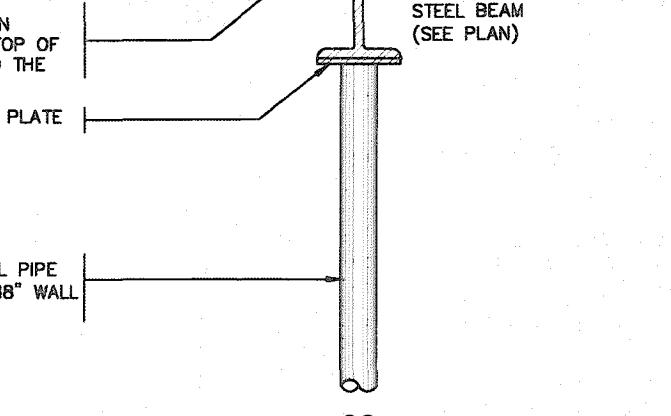
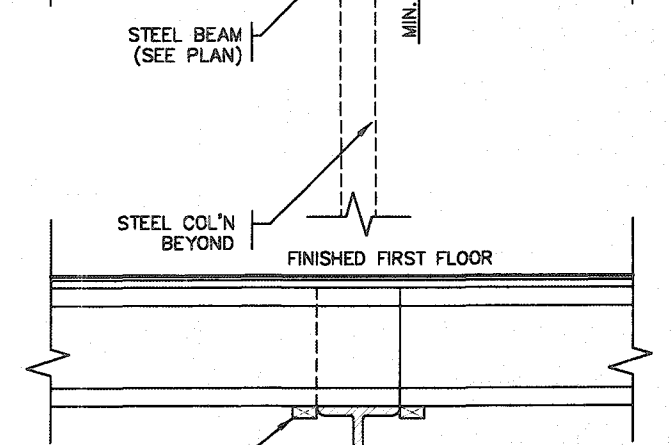
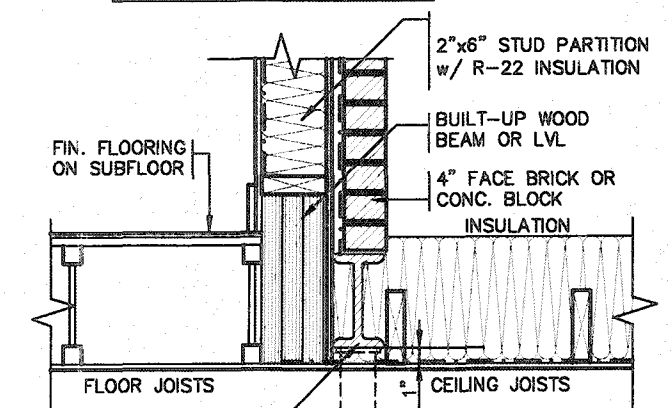
SINGLES

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

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SECTION THROUGH STEEL BEAM SUPPORTING MASONRY & BEARING STUD PARTITION



SECTION

CITY OF HAMILTON
BUILDING DIVISION
Planning & Development Department

FEB 05 2021

REC'D BY _____ DATE _____

REF'D TO _____ DATE _____

CITY OF HAMILTON
Building Division

Permit No. 21-105965

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Ken Smith Feb 22, 2021

FOR CHIEF BUILDING OFFICIAL DATE

9					
8					
7					
6					
5					
4					
3					
2					
1	ISSUED FOR PERMIT.	APR 13/20	GW		
no.	description	date	by		

VAS DESIGN

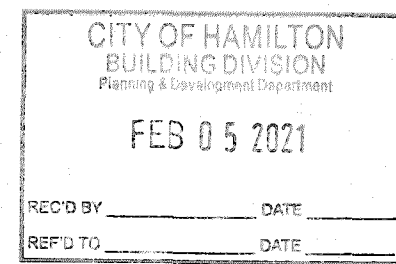
255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
vasdesign.com

Greenpark

project name: **RUSSELL GARDENS PH. 3** municipality: **WATERDOWN** project no.: **19014**

date: **APRIL 2020** checked by: **As Shown** scale: **As Shown** title: **STEEL COLUMN DETAILS** drawing no.: **4**



drawn by: **GW** file name: **19014-GP-STD_DETAILS_A1**

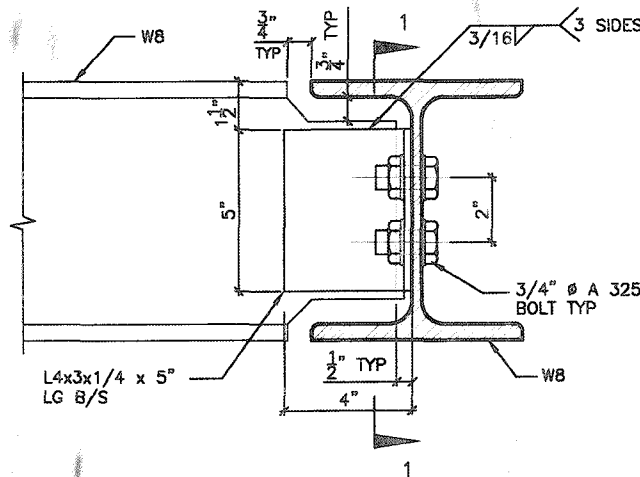


 FIRE CHIEF BUILDING OFFICIAL

 DATE

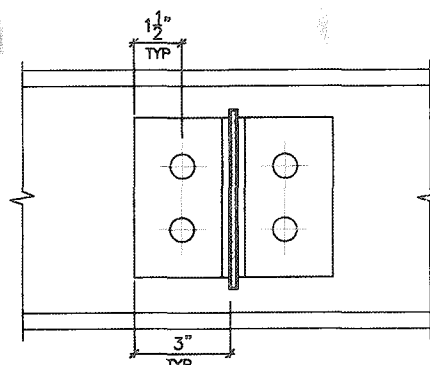
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8	-	-	qualification information					project name RUSSELL GARDENS PH. 3	municipality WATERDOWN	drawing no. 5-1
7	-	-	Richard Wink 24485					date APRIL 2020	WOOD DECK PLANS	
6	-	-	name VA3 Design Inc. 42658					drawn by GW	checked by -	scale As Shown
5	-	-	signature <i>R Wink</i> BCN					the name 19014-GP-STD_DETAILS_A1		
4	-	-	registration information VA3 Design Inc. 42658					drawing no. 5-1		
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 instrument of service and the property of the Designer which must be returned at the completion of the work. Drawings are not to be sealed.							
2	-	-								
1	ISSUED FOR PERMIT.	APR 13/20	GW							
no.	description	date	by							

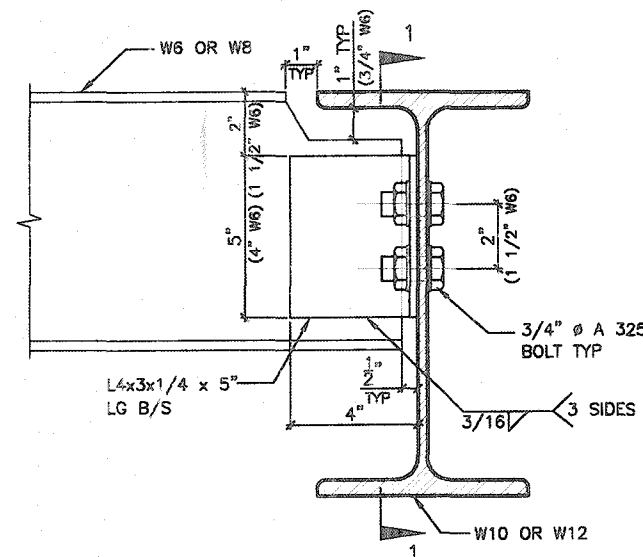


DETAIL 1.

W8
TO
W8
CONNECTION

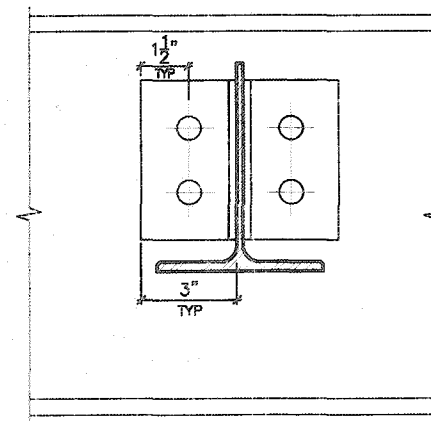


SECTION 1-1

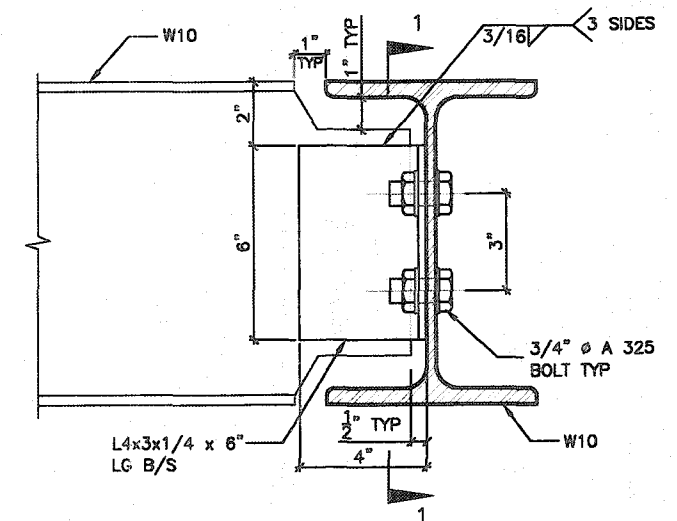


DETAIL 2.

W6(W8)
TO
W10(W12)
CONNECTION

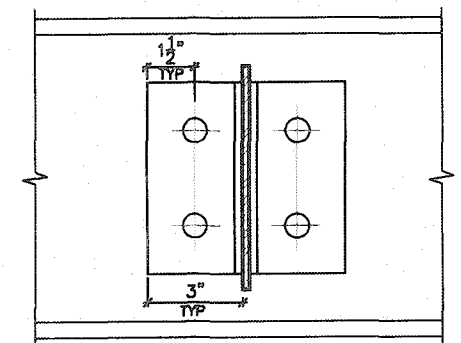


SECTION 1-1

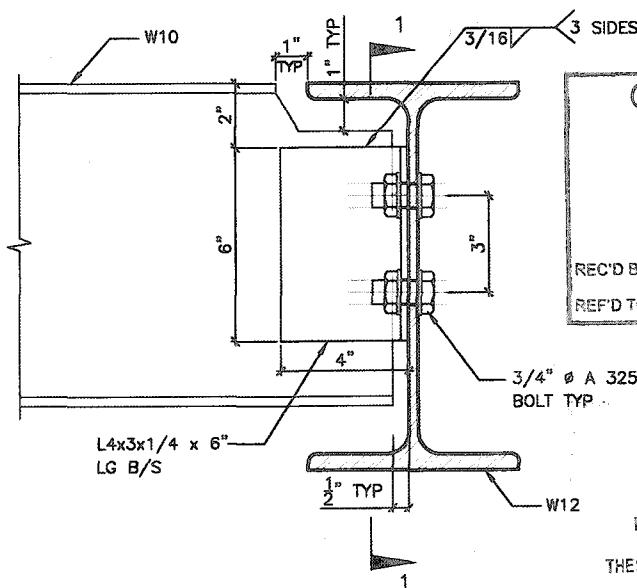


DETAIL 3.

W10
TO
W10
CONNECTION

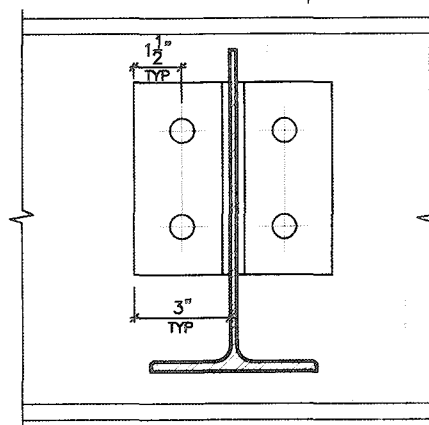


SECTION 1-1

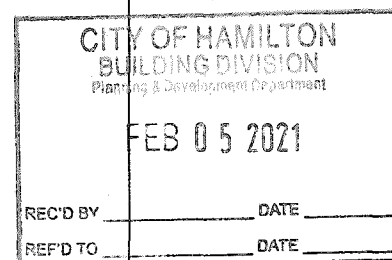


DETAIL 4.

W10
TO
W12
CONNECTION



SECTION 1-1



CITY OF HAMILTON
Building Division

Permit No. 21-105965

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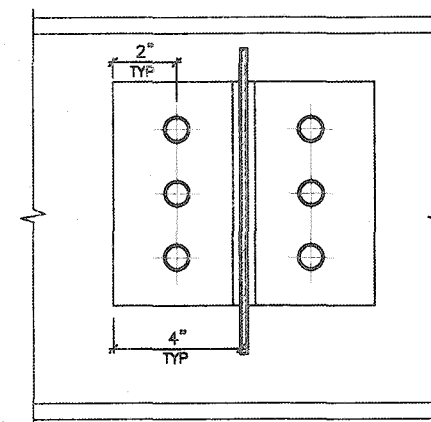
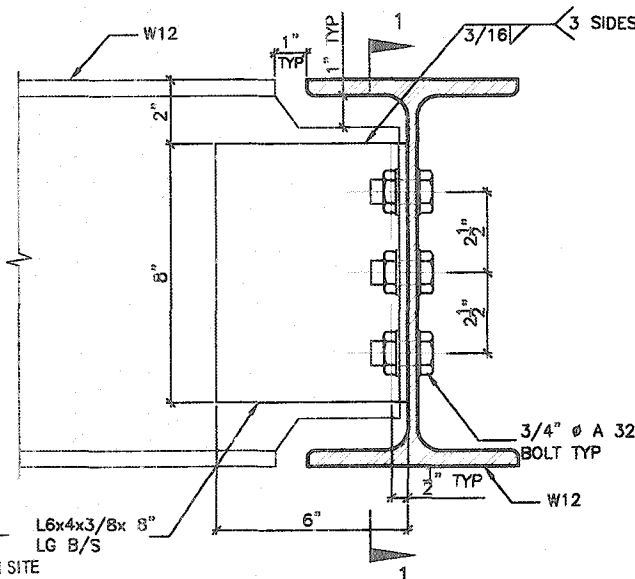
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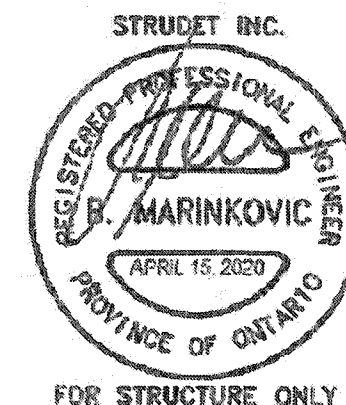
FOR CHIEF BUILDING OFFICIAL DATE Feb 22, 2021

DETAIL 5.

W12
TO
W12
CONNECTION

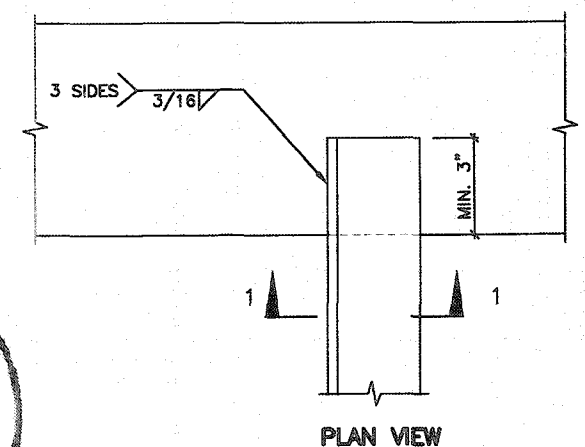


SECTION 1-1

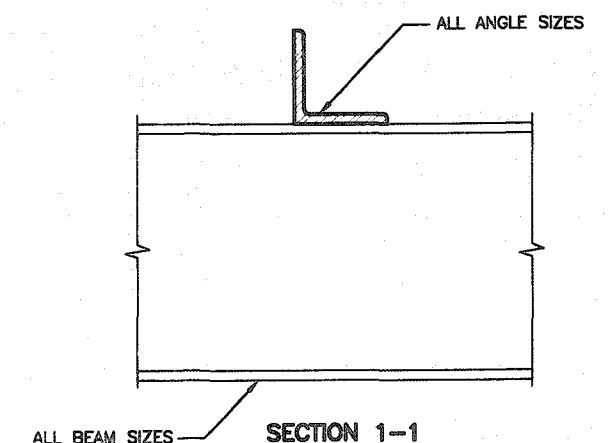


DETAIL 6.

ANGLE
TO
BEAM
CONNECTION



PLAN VIEW



SECTION 1-1

2012 CODE
COMPLIANCE PACKAGE

9					
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7					
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3					
2					
1	ISSUED FOR PERMIT.	APR 13/20	GW		
no.	description	date	by		

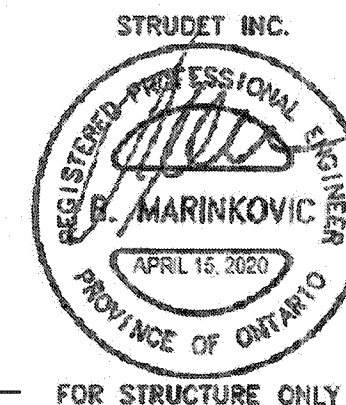
VAS DESIGN
255 Consumers Rd Suite 120
Toronto ON M2J 1R4
t 416.630.2255 f 416.630.4782
vasdesign.com

Greenpark
project name: RUSSELL GARDENS PH. 3
drawing no.: 19014
date: APRIL 2020
drawn by: GW
checked by: Not to Scale
steel beam connections
19014-GP-STD_DETAILS_A1
drawing no.: 7

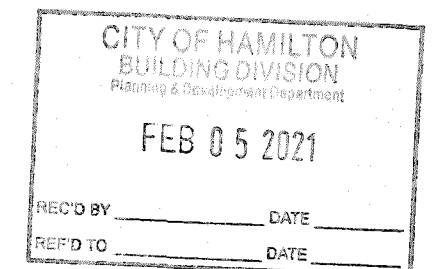


STRUCTURAL REINFORCEMENT FOR GRAB BAR (OBC 9.5.2.3.)

FOR MAIN BATH ONLY



FOR STRUCTURE ONLY



CITY OF HAMILTON
Building Division

Permit No. 21-105965

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FOR CHIEF BUILDING OFFICIAL DATE

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8					
7					qualification information
6					Richard Vink
5					name
4					registration information
3					VAS Design Inc.
2					
1	ISSUED FOR PERMIT.	AFR 13/20	GW		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 project. Penalties are not to be levied.
no.	description	date	by		

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SINGLES

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

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TYPICAL ROOF CONSTRUCTION

VENTED SOFFIT TRIM

AIR SPACE

STUCCATO/ HARDI BOARD/CREZON FINISH

GAP IN NAILERS

1" x 3" WOOD NAILERS

#15 BUILDING PAPER

7/16" OSB SHEATHING

1/2" DRYWALL FINISH

6 MIL POLY VAPOUR BARRIER

R22 BATT. INSULATION BETWEEN STUDS

FIN. FLOOR

PREFIN. METAL FLASHING

ROOF SHEATHING ON ROOF RAFTERS

STEEL STRUCTURE

BRICK BEYOND

CROSS SECTION

CITY OF HAMILTON
Building Division

Permit No. 21-105965

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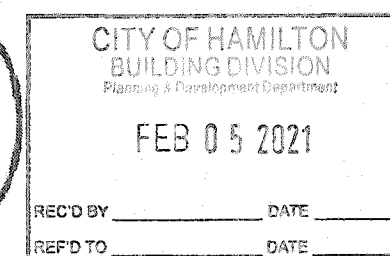
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Ken Smith Feb 22, 2022
 FOR CHIEF BUILDING OFFICIAL DATE

2012 CODE

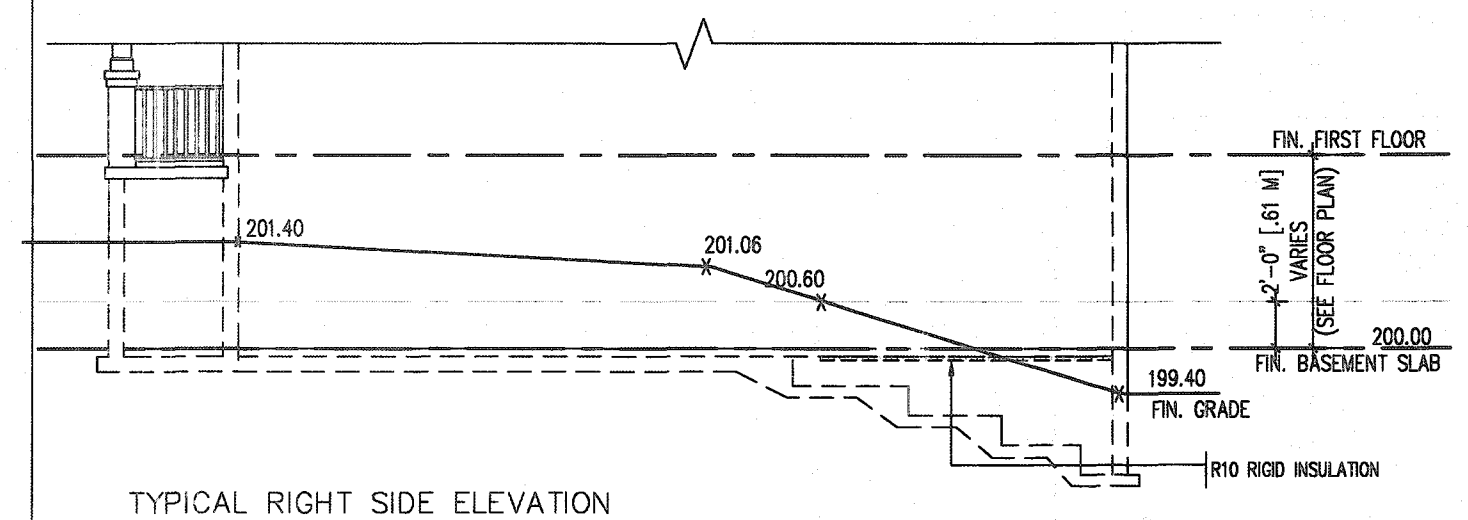
COMPLIANCE PACKAGE A1



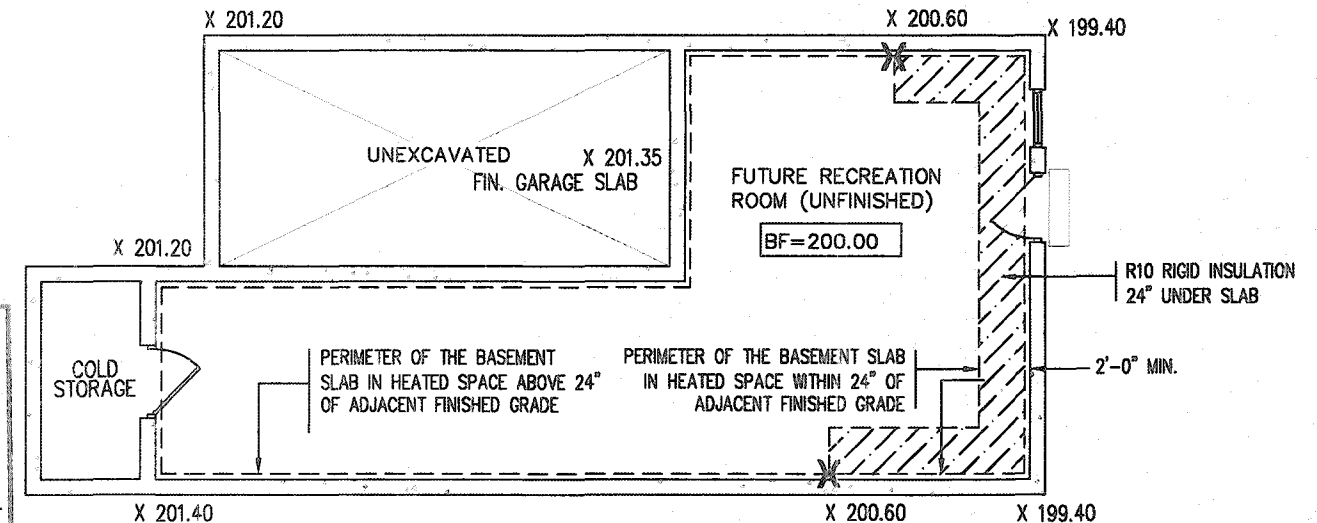
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[illegible]

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TYPICAL RIGHT SIDE ELEVATION



TYPICAL BASEMENT PLAN

CITY OF HAMILTON
Building Division WALK OUT BASEMENT CONDITION

NOTES:

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

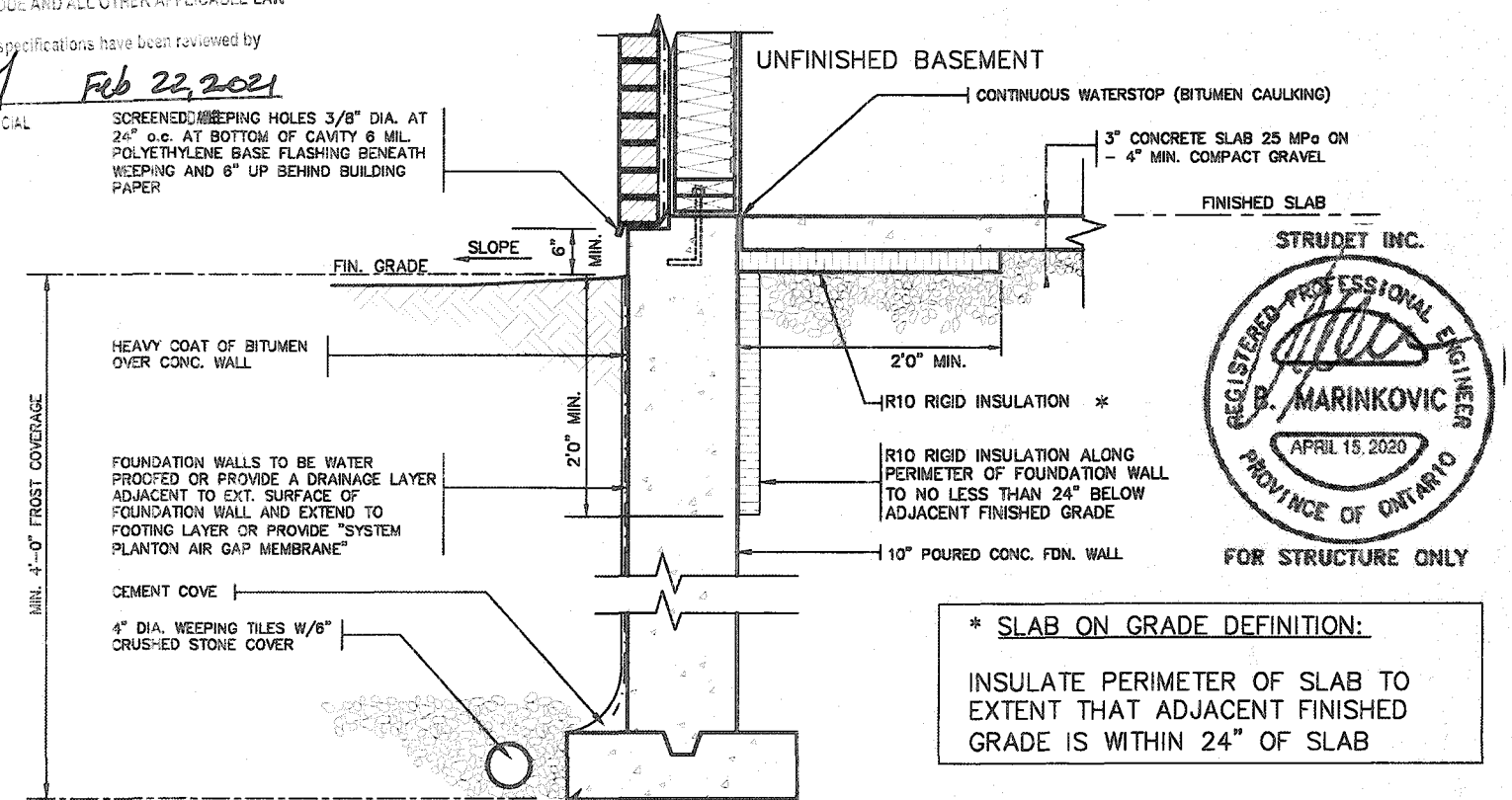
NOTES:
1. LEVELS SHOWN ON THE PLANS ARE FOR
ILLUSTRATION PURPOSE ONLY, SEE FINAL GRADING PLAN
FOR ACTUAL LEVELS
2. ALL LEVELS ARE SHOWN IN METRIC

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* SLAB ON GRADE DEFINITION:

INSULATE PERIMETER OF SLAB TO
EXTENT THAT ADJACENT FINISHED
GRADE IS WITHIN 24" OF SLAB

SLAB ON GRADE

WALK OUT BASEMENT 2012 CODE COMPLIANCE PACKAGE

9	-	-	-
8	-	-	-
7	-	-	-
6	-	-	-
5	-	-	-
4	-	-	-
3	-	-	-
2	-	-	-
1	ISSUED FOR PERMIT.		AFR 13/20
no	description	into	by

<p>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.</p>	
<p>qualification information</p>	<p><i>R Vink</i></p>
<p>Richard Vink</p>	<p>244</p>
<p>name</p>	<p>signature</p>
<p>registration information</p>	<p>8</p>
<p>VA3 Design Inc.</p>	<p>426</p>
<p>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 and the Designer is not responsible for the missing.</p>	

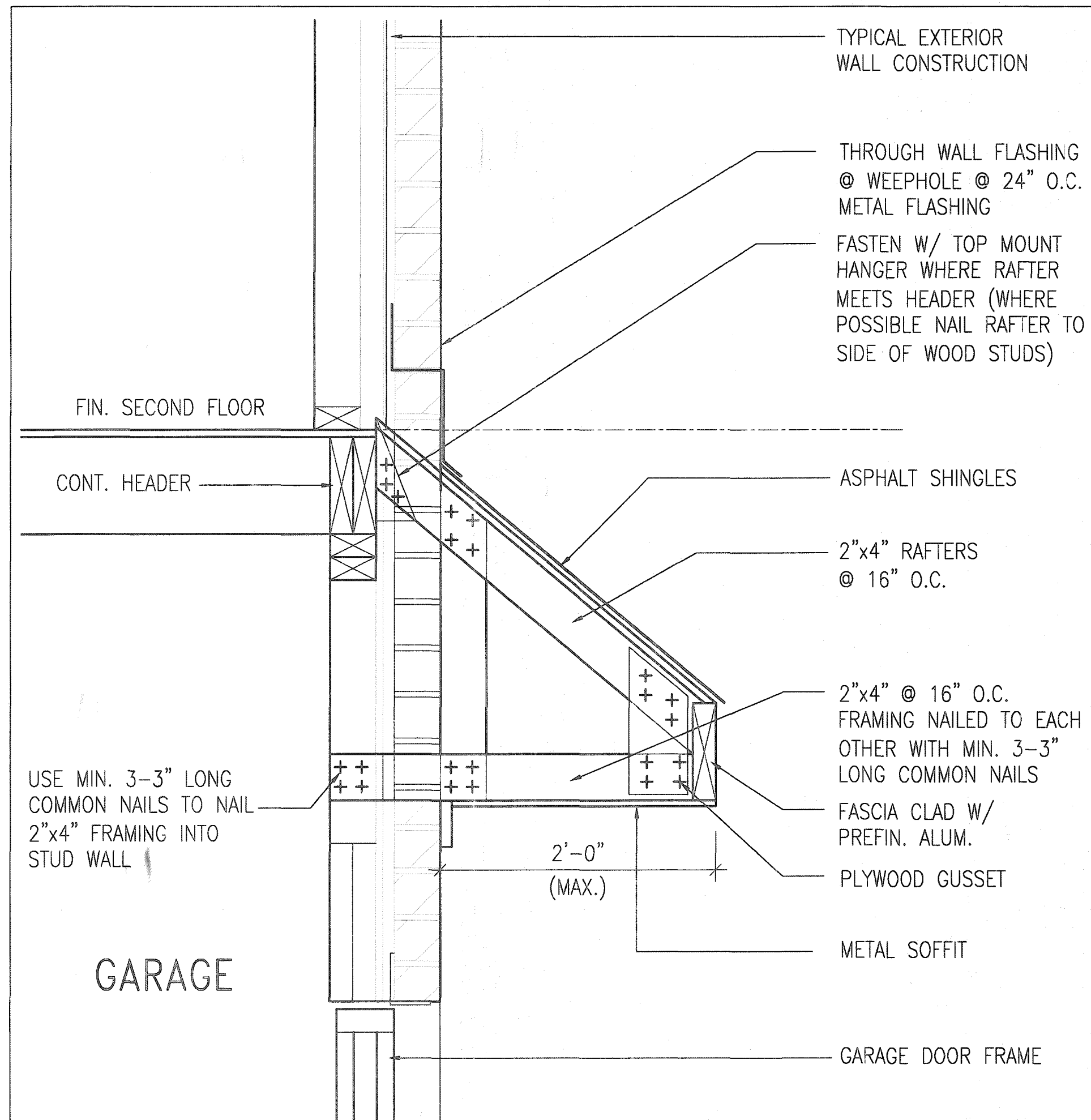
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Toronto ON M2J 1R4
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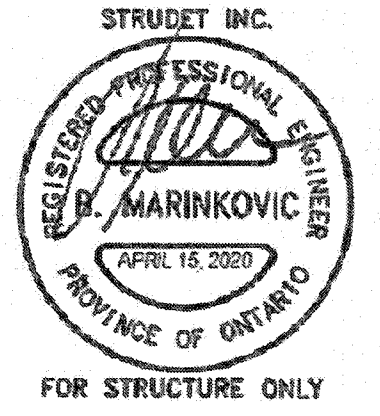
project name	manually	project no.
RUSSELL GARDENS PH. 3	WATERDOWN	19014
date		
APRIL 2020		
SLAB ON GRADE INSULATION		
drawn by	checked by	scale
EW	-	Not to Scale
file name		drawing no.
19014-GP-STD_DETAILS_A1		10

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Planning & Development Department
FEB 05 2021
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Russ Smith FEB 22, 2021
FOR CHIEF BUILDING OFFICIAL DATE



B ROOF OVERHANG DETAIL OVER GARAGE

2012 CODE
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SUPPORTED STEEL
ANGLE UP TO
11'-7". OTHERWISE
TO BE REVIEWED BY
ENGINEER.

BRICK/
STONE
VENEER

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

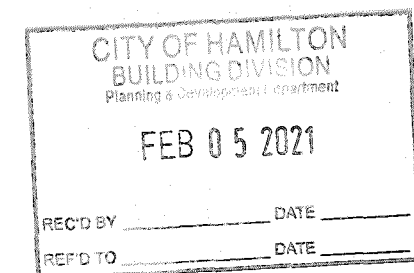
MIN. 12"

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

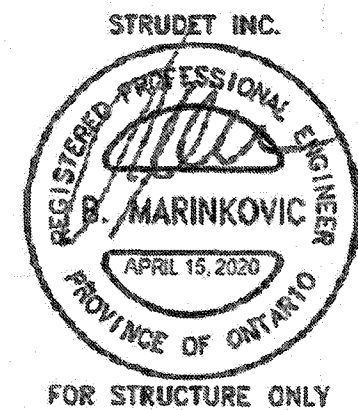
BRICK/
STONE
VENEER

SUPPORTED STEEL
ANGLE UP TO 11'-7".
OTHERWISE TO BE
REVIEWED BY ENGINEER.

INVERTED STEEL ANGLE DETAIL

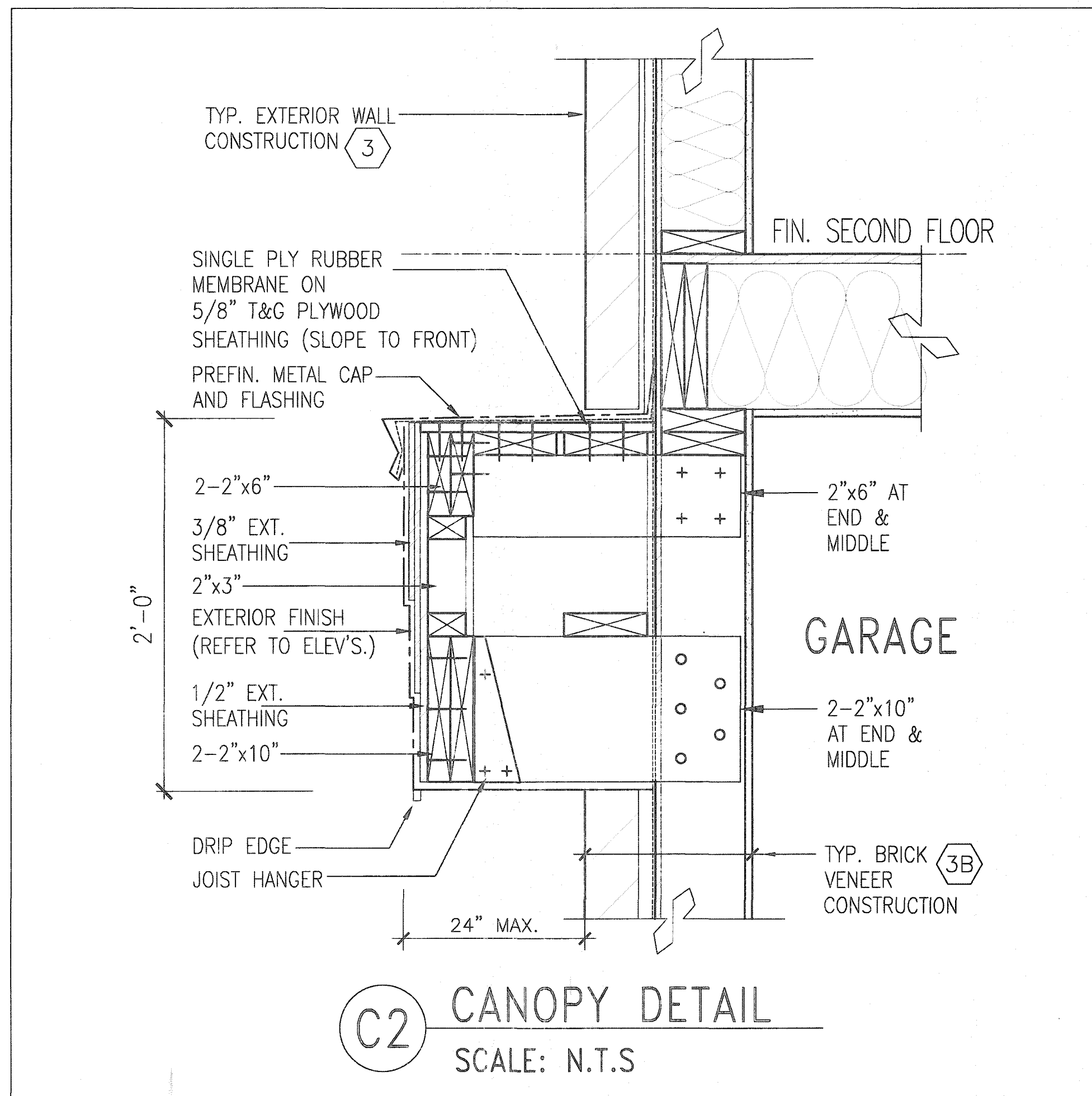


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Jim Smith Feb 22, 2021
FOR CHIEF BUILDING OFFICIAL DATE



2012 CODE COMPLIANCE PACKAGE A1

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CITY OF HAMILTON
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Planning & Development Department
FEB 05 2021
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Building Division
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FOR CHIEF BUILDING OFFICIAL DATE



C2 CANOPY DETAIL
SCALE: N.T.S

2012 CODE
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