1. ROOF CONSTRUCTION

- NO.210 (10.25kg/m2) ASPHALT SHINGLES, 10mm (3/8") PLYWOOD SKEATHING WITH "H" CUPS. 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 REO"O FOR ROOF SLOPES 8:12 OR GREATER) 38:489 (2"x4") TRUSS BRACING @ 1830mm (6"-0") O.C. AT BOTTOM CHORD. PREFIN. ALUM. EAVESTROUGH, FASCIA, RIVIL & AT BOTTOM CHORD, PREFIN. ALUM. EAVESTROUGH, FASCA, RVII. & VENTED SOFTIT. PROVIDE ICE & WATER SHIELD TO ALL ROOF, WALL SUFFACES SUSCEPTIBLE TO ICE DAMMING. ROOF SHEATHING TO BE FASTENED 150 (6") c/C ALONG EDECS & INTERMEDIATE SUPPORTS WHEN TRUSSES SPACED GREATER THAN 406 (16"). ATTIC VENTILATION 1:300 OF INSULATED CELLING AREA WITH MIN. 25% AT EAVES & MIN. 25% AT RIGGE (OBC 9.19.1.2.).
- FRAME WALL CONSTRUCTION (2°x6") (SB-12-TABLE 3.1.1.2.A) ERAME WALL CONSTRUCTION (Z'X8") (SMETHATASHAN ANALYSEL)

  SIDING AS PER ELEV., 19438 (1"x2") VERTICAL WOOD FURRING, CONTIN.
  SHEATHING MEMBRANE, 11mm (2/16") EVT. TYPE SHEATHING OR OBC
  COMPUANT EQUIVALENT, 38x140 (2"x6") STUDS ◎ 400mm (16") O.C.,
  RSI 3.87 (R22) INSULATION AND APPR. VAPOUR BARRIER AND APPR.
  CONTIN. AR BARRIER, 13mm (1/2") INT. DRYWALL FINISH. SIDING TO BE

  MAN ADDRESS BUSCH GRADE REFER TO OBC SB-12. MN. 200mm (8") ABOVE FINISH GRADE. REFER TO OBC SB-12, CHAPTER 3 FOR REQUIRED MINIMUM THERMAL INSULATION REQUIREMENTS. 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 @ 406mm (16°) O.C. (MAX. HEICHT 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") (\$2-12-TABLE 3.1.1.2.A)
  STUCCO CLADDING SYSTEM COMPONENTS OF 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 RIGHT POLYSTYRENE ON APPR AIR/MOISTURE BARRIER ON 38x140 (2"x6") POLISTITICE ON APPIL RISYMUSTURE BARGER ON JOSTAO (2 No.)
  STUDS @ 406 (16") O.C., RSI J.87 (R22) BATT INSUL, APPR. 6 MIL
  POLYCTHYLENE VAPOUR BARRIER, 13mm (1/2") GYPSUM BOARD INTERIOR
  FINISH. STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE. REFER TO
  OBC 58-12, CHAPTER 3 FOR REQUIRED MINIMUM THERMAL INSULATION
- STUCCO WALL CONSTRUCTION (2"x4") CARAGE WALLS.
  STUCCO CLADDING SYSTEM CONFORMING TO O.B.C. 9.27.1.1.(2) & 9.28
  THAT EMPLOY A MINIMUM 10mm AR SPACE BEHIND THE CLADDING WITH
  POSITIVE DRAINAGE TO THE EXTERIOR AND APPLIED PER MANUFACTURERS
  SPECIFICATIONS OVER 25mm (1") MIN. EXPANDED OR EXTRUDED RIGID
  POLYSTYTEME ON APPROVED ARP MOISTURE BARRIER ON 38489 (2"x4")
  STUDS & 405 (18") O.C. MAY MEICHT 3000mm (6"-10") WITH APPROVE STUDS @ 406 (16") O.C. (MAX. HEIGHT 3000mm (9'-10")), WITH APPR DIAGONAL WALL BRACING. REFER TO NOTE 19 WHERE FLOOR EXISTS STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE.
- 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)
  RISULATION 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 58-12, CHAPTER 3 FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS.
- BRICK VENEER CONSTRUCTION (2°x8°) (SB-12-TABLE 3.1.1.2.A) 90mm (4") FACE BRICK, 25mm (1") AR SPACE, 22x180x0.76mm (7/8"x7"x0.03") GALV. METAL TIES @ 406mm (16") O.C. HORIZONTAL 610mm (24") O.C. VERTICAL APPROVED SHEATHING PAPER, 11mm (7/16") EXTERIOR TYPE SHEATHING OR ORC COMPLIANT FOUNALENT. 38x140 (2"x8") STUDS @ 408mm (16") O.C., RSI 3.87 (R22)
  INSULATION AND APPROVED VAPOUR BARRIER WITH APPROVED CONTIN. INSULATION AND APPROVED VAPOUR BRITISE WITH APPROVED COMMIN.

  AIR BARRIER. 13mm (1/2") INT. DRYWALL FINISH. PROVIDE WEEP HOLES

  8 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
- BRICK VENEER CONSTRUCTION (2"x4")- GARAGE WALLS 90mm (4") FACE BRICK, 25mm (1") AIR SPACE, 22x180x0.76mm (7/6"x7"x0.03") 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 @ 405mm (16") O.C. (MAX, HEIGHT 3000mn 30:09 (2 x4 ) S1005 & 496mm (16 ) O.C. (MAX. HELAH SUDUMM (16 )—(17)) WITH APPROVED DIAGONAL WALL BRACING. REFER TO NOTE 19 WHERE FLOOR EXISTS ABOVE GARAGE. PROVIDE WEP HOLES @ 600mm (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.
- STUCCO WALL CONSTRUCTION (2°x6°) (SB-12-TABLE 3.1.1.2.A) (3C) STUCCO CLADENC SYSTEM CONFORMING TO O.B.C. 9.27.1.1.(2) & 9.28
  THAT EMPLOYS A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITPOSTIVE DRAINAGE TO THE EXTERIOR AND APPUED PER MANUFACTURERS POSITIVE DRAINAGE TO THE EXTERIOR AND APPLED PER MANUFACTURER SPECIFICATIONS OVER 25mm (1") MIN. EXTRUDED OR EXPANDED RIGID POLYSTYRENE ON APPR. CONTIN. AIR/MOISTURE BARRIER ON 38x140 (2"x6") STUDS @ 405mm (16") O.C., RSI 3.87 (R22) BATT INSUL., APPR. 6 MIL. POLYETHYLENE VAPOUR BARRIER, 13mm (1/2") GYPSUM WALLBOARD MITERIOR FINISH. STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE. REFER TO OBC SB—12, CHAPTER 3 FOR REQUIRED MINIMUM THERMAL (INSULATION REQUIREMENTS.



STRUDET INC. FOR STRUCTURE ONLY

INTERIOR STUD PARTITIONS

- 4. 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 2/36x89 (2/2"x4") TOP PLATE. 13mm (1/2") INT. DRYWALL BOTH SIDES OF STUDS, PROVIDE 38x140 (2"x6") STUDS/PLATES WHERE NOTED.
- 5. FOUNDATION WALL/FOOTINGS: (9.15.3, 9.15.4, 9.13.2, 9.14.2.1.(2)) 200mm (8) POURED CONC. FDTN. WALL 15MPG (2200ps) WITH BITUMENOUS DAMPPROOFING AND DRAMAGE LAYER. DRAMAGE LAYER REG'D. WHEN BASEMENT INSUL EXTENDS 900 (2'-11") BELOW FIN. GRADE. DRAINGE LAYER IS NOT REG'D. IF FOUNDATION WALL IS WATER-PROOFED. MAXIMUM POUR HEIGHT 2390 (7'-10") ON 500x155 (20°x6") CONTINUOUS KEYED CONC. FTG. BRACE FDTM. WALL PRIOR TO BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED ENGINEERED FILL

STRIP FOOTINGS - FOR TOWNHOUSES FOR STRIP FOOTING SIZES REFER TO BLOCK FOUNDATION PLAN. ASSUMED 120 KPg (18 p.s.i.) SOIL BEARING CAPACITY FOR

-MAXIMUM FLOOR LIVE LOAD OF 2.4kPg. (50psf.) PER FLOOR. -REFER TO SOILS REPORT FOR SOIL CONDITIONS AND BEARING

- FOUNDATION DRAINAGE OSC. 9.14.2. & 9.14.3. 6. 100mm (4") DIA. FOUNDATION DRAWAGE TILE 150mm (6") CRUSHED STONE OVER AND AROUND DRAWAGE TILES.
- 7) BASEMENT SLAB OBC. 9.3.1.6.(1)(b). 9.16.4.5.(1). 9.25.3.3.(15) 80mm (3")MIN. 25MPa (3800psi) CONC. SLAB ON 100mm (4")
  COARSE GRANULAR FILL, OR ZOMPa. (3000psi) CONC. WITH
  DAMPPROOFING 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
- (8.) WOOD SUBFLOORS (SEE OBC. 9.23.14, & 9.30.2.1) -19mm (3/4") WIN. T & G SUBFLOOR UNDER GROUND FLOOR FINISH THOM: (5/8") TAG SUBFLOOR UNDER SECOND FLOOR FINISH FLOOR.

  16mm (5/8") PANEL—TYPE UNDERLAY FOR CERAMIC THE APPLICATION.

  6rem (1/4") PANEL—TYPE UNDERLAYMENT UNDER RESILIENT &
- 9. ATTIC INSULATION (SB-12-TABLE 3.1.1.2.A) (SB-12-3.1.1.8)
  RSI 10 56 (BSN) DI OBBAI AL DOOG MEETING AND ALL DOOG 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
- ALL STAIRS/EXTERIOR STAIRS ORC. 9.8.—
  UNIFORM RISE 5mm (1/4") MAX BETWEEN ADJACENT TREADS
  OR LANDINGS
  - -10mm (1/2") MAX BETWEEN TALLEST & SHORTEST RISE IN FLIGHT = 200 (7-7/8") MAX. RISE = 200 (7-7/5) = 210 (8-1/4") = 235 (9-1/4") = 25 (1") = 1950 (6'-5") MIN. RUN MIN. TREAD MAX. NOSING MIN. HEADROOM = 900 (2'-11") = 865 (2'-10") to 965 (3'-2")
  - MIN. STAIR WIDTH = 860 (2'-10")FOR CURVED STAIRS
  - = 150 (6°) = 200 (8°) MIN. RUN MIN. AVG. RUN 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 CUARDS — GBC. 9.8.8,
900mm (36") HIGH GUARD WHERE DISTANCE FROM PORCH TO FIN.
GRADE IS LESS THAN 1800mm (71"). 1070mm (42") HIGH GUARD IS
REQUIRED WHERE DISTANCE EXCEEDS 1800mm (71").

SILL PLATE ANCHORAGE

- 38x89 (2°x4°) SHL PLATE WITH 13mm (1/2) USA SECTION DOLLS
  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. 38x89 (2"x4") SILL PLATE WITH 13mm (1/2") DIA ANCHOR BOLTS
- 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 FINSHED FLOOR & NO CLOSER THAN 50mm (2") OF THE BASEMENT SLAB. RSI 3.52ci (R20ci) BLANKET INSULATION TO HAVE APPROVED VAPOUR BARRIER. RECOMMEND DAMPPROOF WITH SUILDING 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 CAULGING. CONTINUOUS INSULATION (ci) IS NOT TO BE INTERRUPTED BY FRAMENG.
- BASEMENT BEARING STUD PARTITION on 305x155 (12°x6°) conc. Footing. Add horiz. Blocking at MID-height if wall is unfinished.
- 15) STEEL BASEMENT COLUMN (SEE O.B.C. 9.15.J.3)
  89mm(3-1/2\*) N/A A 78 (2-1-2-2) 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 BIA x 300mm LONG x50mm HOOK ANCHORS (2-1/2"x12"x2"). THE COLUMN TO STUD WALL WITH 2-32x3.175 1/4"x 1/8") STEEL STRAP WELDED TO COLUMN AND FASTENED STUD WITH 2-SDS 6.35x38 (1/4"x1 1/2") SCREWS MANUF.

- CONCRETE PILASTER 16.) BEAM POCKET OR 200x200 (8"x8") POURED CONC. NIB WALLS. 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") 32MPg (4640psi) CONC, SLAB WITH 5-5% AIR ENTRAUMENT ON OPTIONAL 100 (4") COARSE GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL SLOPE TO FRONT (EXTERIOR) AT 1% MINL
- INTERIOR GARAGE WALLS & CEILINGS (SE-12-TABLE 311.2A) INTERIOR GARAGE WALLS & CELLINGS (SE-12-TABLE 31. 13mm (1/2") GYPSUM BOARD ON WALL AND CELLING ETWEEN HOUSE AND GARAGE, RSI 3.87 (R22) IN WALLS, RSI 5.46 (R31) IN CELLING TAPE AND SEAL ALL JUNIS METICHT PER 0.8.C 9.10.9.16. REFER TO SEP-12. TABLE 3.1.1.2.A. FOR REQUIRED THERMAL INSULATION.
- 20) DOOR AND FRAME CASPROOFED. 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 (9-27/32"). SEE OBC. 9.8.9.2., 9.8.9.3. & 9.8.10.
- DRYER VENT(ORC-6.2.3.8(T) & 6.2.4.1.1)
  CAPPED DRYER SKHAUST VENTED TO EXTERIOR.
  (USE 100mm (4") DIA SMOOTH WALL VENT PIPE).
- 23) ANSULATED ATTIC ACCESS (OBC-9.19.2.1. % S912-3.1.1.8)
  ATTIC ACCESS HATCH WITH MIN. DIMENSION OF 545x700mm (21-1/2\*x2-1/2\*) & A MIN. AREA OF 0.32 S.J.M. (3.44 SQ.PT.) WITH WEATHERSTRIPPAINE, RSI 3.52 (R21) RIGID INSULATION BACKING. SEE OBC SB-12, 3.1.1.8.
- FIREPLACE CHIMNEYS -CBC. 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.
- $\begin{array}{l} \underline{\text{MECHANICAL}} \quad \underline{\text{EXHAUST}} \\ \underline{\text{MECHANICAL}} \quad \underline{\text{EXHAUST}} \quad \underline{\text{Fan, VENTED TO EXTERIOR AS REQUIRED BY}} \\ \underline{\text{OBC. 9.32.3.5.}} \quad \underline{\text{8.9.32.3.10.}} \end{array}$
- 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 2-19m (3/4") × 200mm (8") LONG GALV. ANCHORS WITHIN SOLID BLOCK COURSE. LEVEL WITH NON-SHRINK GROUT.
- SOLID WOOD BEARING FOR WOOD STUD WALLS SOLID BEARING TO BE AT LEAST AS WIDE AS THE SUPPORTED MEMBER. SOLID WOOD BEARING COMPRISED OF GUILT-UP WOOD STUDS TO BE CONSTRUCTED IN ACCORDANCE WITH OBC
- (28) CLASS 'B' VENT
  ULC. RATED CLASS 'B' VENT 610mm (2'-0") ABOVE THE POINT
  IN CONTACT WITH THE ROOF FOR SLOPES UP 10 9/12, REFER
  TO THE ONTARIO GAS UTILIZATION CODE.
- BASEMENT WOOD POST (CBC 9.17.4.) 29. 3-38x140 (3-2°x5°) BUILT-UP-POST ON METAL BASE SHOE ANCHORED TO CONC. WITH 12.7 DIA BOLT, 406:406x203 (16"x16"x8") CONC. FTG. OR AS OTHERWISE SPECIFIED ON DRAWING.
- STEPPED FOOTINGS (OBC 9.15.3.9.) MIN. HORIZ. STEP = 600mm (24"). MAX. VERT. STEP = 600mm (24").

LOOSE STEEL LINTELS

MAN. VERT. SIEP = BOUMM (24).

SLAB ON GRADE
MIN. 100mm (4") CONCRETE SLAB ON GRADE ON 100mm (4")
COARSE GRANULAR FILL REINFORCED WITH 6x6-W2.5x/12.9 MESH
PLACED NEAR MID-DEPTH OF SLAB. CONC. STRENGTH 32 MP2
(4640 psi) WITH 5-8% AIR ENTRANMENT ON COMPACTED
SUB-GRADE UNDER SLAB INSULATION AS PER 0BC. 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 LANELS	
L1 =3-1/2" x 3-1/2" x 1/4"L (90x90x5.0L)	
L2 =4° x 3-1/2° x 5/16°L (100x90x8.0L)	
L3 =5" x 3-1/2" x 5/16°L (125x90x8.0L)	
$L4 = 6^{\circ} \times 3 - 1/2^{\circ} \times 3/8^{\circ} L (150 \times 90 \times 10.0 L)$	
$L5 = 6^{\circ} \times 4^{\circ} \times 3/8^{\circ} L (150 \times 100 \times 10.0 L)$	PAD FOOTINGS
$L6 = 7^{\circ} \times 4^{\circ} \times 3/8^{\circ} L (180 \times 100 \times 10.01)$	120 (Pa. NATIVE SOIL 90 (Pa. ENGINEERED FILL SOIL
LALINATED VENEER LUNGER (LVL.) BEAUS	F1 = 42"x42"x18" CONCRETE PAD F1 = 48"x48"x20" CONCRETE PAD
Demanda Addes remies (Fac) 65493	FZ = 36°x36°x16° CONCRETE PAD FZ = 40°x40°x16° CONCRETE PAD
LVL1A =1-1 3/4"x7 1/4" (1-45x184)	F3 = 30°x30°x12° CONCRETE PAD F3 = 34°x34°x14° CONCRETE PAD
LVL1 =2-1 $3/4$ °x7 $1/4$ ° (2-45x184)	F4 = 24"x24"x12" CONCRETE PAD F4 = 28"x28"x12" CONCRETE PAD
LVL2 =3-1 3/4°x7 1/4° (3-45x184)	F5 = 16"x16"x8" CONCRETE PAD F5 = 18"x18"x8" CONCRETE PAD
LVL3 =4-1 3/4"x7 1/4" (4-45x184)	(REFER TO FLOOR PLAN FOR UNUSUAL SIZE PARS NOT ON CHART.)
LVL4A =1-1 3/4"x9 1/4" (1-45x235)	DOOR SCHEDULE
$LVL4 = 2-1 \ 3/4^{\circ}x9 \ 1/4^{\circ} \ (2-45x235)$	
LVL5 =3-1 3/4°x9 1/4° (3-45x235)	NOS. WIDTH HEIGHT HEIGHT TYPE
LVL5A =4-1 3/4°x9 1/4° (4-45x235)	CEILING CEILING ""CTL
LVL6A =1-1 3/4"x11 7/8" (1-45x300)	1 2'-10" 6'-8" 8'-0" INSULATED ENTRANCE DOOR
LVL6 =2-1 3/4"x11 7/8" (2-45x300)	16 2'-8" 6'-8" 8'-0" INSULATED FRONT DOORS 2 2'-8" 6'-8" 8'-0" WOOD & GLASS DOOR
LVL7 =3-1 3/4"x11 7/8" (3-45x300)	2 2'-8" 6'-6" 6'-0" WOOD & GLASS DOOR 3 2'-8" 6'-6" 6'-0" EXTERIOR SLAB DOOR
LVL7A =4-1 3/4"x11 7/8" (4-45x300)	4 2'-5" 6'-3" 8'-0" INTERIOR SLAB DOOR

LVL9 =3-1 3/4"x14" (3-45x356)	7 1'-6° 6'-8°	8'-0" INTERIOR SLAB DOOR
BRICK VENEER LINTELS		WOOD LINTELS AND BEAMS
WL1 =3-1/2" x 3-1/2" x 1/4"L (B9x89x6.4L) WL2 =4" x 3-1/2" x 5/16"L (102x69x7.9L) WL3 =5" x 3-1/2" x 5/16"L (12xx69x7.9L) WL4 =6" x 3-1/2" x 7/16"L (152x69x11.0L) WL5 =6" x 4" x 7/16"L (152x102x11.0L) WL6 =5" x 3-1/2" x 5/16"L (127x69x7.9L) WL7 =5" x 3-1/2" x 5/16"L (127x69x7.9L) WL8 =5" x 3-1/2" x 5/16"L (127x69x7.9L) WL8 =5" x 3-1/2" x 5/16"L (127x69x7.9L) WL9 =6" x 4" x 7/16"L (152x102x11.0L)	+ 2-2°x8° SPR. No.2 + 2-2°x8° SPR. No.2 + 2-2°x10° SPR. No.2 + 2-2°x12° SPR. No.2 + 2-2°x12° SPR. No.2 + 2-2°x12° SPR. No.2 + 3-2°x10° SPR. No.2 + 3-2°x10° SPR. No.2	WB1 =2-2"x8" (2-38x184) SPR. No.2   W32 =3-2"x8" (3-38x184) SPR. No.2   W33 =2-2"x10" (2-38x235) SPR. No.2   W35 =2-2"x10" (3-38x235) SPR. No.2   W36 =2-2"x12" (2-38x236) SPR. No.2   W36 =3-2"x12" (3-38x286) SPR. No.2   W37 =5-2"x12" (5-38x286) SPR. No.2   W311 =4-2"x10" (4-38x235) SPR. No.2   W312 =4-2"x10" (4-38x235) SPR. No.2

W	19 =6" x 4" x 7/16"L (152x102x11.0L)	+ 3−2"x1	0° S	PR. No.2   WB12 =4-2"x12" (4-38x286) SPR. No.2
9	-		Ŀ	The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the
8			<u>j .</u>	Orderic Building Cade to be a Designer.
7		<u> </u>	<u>L.</u>	qualification information
6		<u> </u>	<u> </u> .	Richard Vink X /// 24488
5				nume signature BCN
4			Γ.	registration information / VA3 Destan Inc. 42658
3	SB NOTE FURTHER DEFINED.	DEC 03/20	GW	
2	RE-ISSUED.	AUG 24/20	G₩	Contractor must resily all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All
1	ISSUED FOR FERMIT.	APR. 13/20	G₩	drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work.
no.	description	date	by	Drawings are not to be socied.

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 LITUZATION CODE, ALL AIR INTAKES SHALL BE LOCATED SO THAT THEY ARE SEPARATED FROM KITCHEN EXHAUST BY 3.0M IN COMPLIANCE WITH O.B.C. DN.-8 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 JOIST STRAPPING AND BRIDGING (SEE OBC. 9.23.9.4)

16mm (5/8") T & C SUBFLOOR ON WOOD FLOOR JOISTS. FOR CERAMIC THE APPLICATION (\* SEE OBC 9.30.6. \*) 6mm (1/4") PANEL TYPE UNDERLAY UNDER RESILENT & PARQUET FLOORING. (\* SEE OBC FLOOR JOISTS WITH SPANS OVER 2100mm (6'-11") TO BE BRIDGED WITH 38-38 (2°-2°) 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

- EXPOSED BUILDING FACE -08C. 9.10.15. 35) EXTERIOR WALLS TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN AS 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 9.39.)
- (36) FOR MAX. 2500 mm (8'-2") PORCH DEPTH (SHORTEST DIM.), 125mm (4 7/8") 32WF0 (4640ps) CONC. SLAB WITH 5-8% AIR ENTRANMENT. REINF. WITH 10M EARS @ 230mm (7 7/8") O.C. EACH WAY IN BOTTOM THERD OF SLAB. SOURGE (25 5/8" x 23 5/8") 10M DOWELS @ 600mm (23 6/8") O.C. AMPLIAGED BY DEFEMENTED FITH WALLS SLOPE SLAB MIN. 5/8") O.C., ANCHORED IN PERIMETER FOTH. WALLS. SLOPE SLAB MIN. 1.0% FROM DOOR. SLAB TO HAVE MIN 75mm (3") BEARING ON FOTIN. WALLS, PROVIDE (L1) LINTELS OVER CELLAR DOOR AND WITH 100mm (4")
- BRICK\_CHECK

9.23.9.4 4)

- 37) THE FORM. WALL SHALL NOT BE REDUCED TO LESS THAN 90mm (3-1/2")
  THICK TO A MAX. DEPTH OF 660mm (26") AND SHALL BE THED TO THE
  FACING MATERAL WITH METAL THES SPACED 200mm (8") O.C. VERTICALLY
  THE SPACE AND UNDERSTANTAILY BUT SPACE RETWEEN WALL AND and 900mm (36") O.C. Horizontally. Fill space between wall and facing solid with mortar.
- CONVENTIONAL ROOF FRAMING (2.0Kpc, SNOW LOAD) (38) 38x140 (2"x6") RAFTERS @ 408mm (16"0.C.) FOR MAX 11"-7" SPAN, 38x140 (2"x6") RIDGE BOARD, 38x89 (2"x4") COLLAR TIES AT MEDSPANS, CELLING JOSTS TO US 38x89 (2"x4") @ 408mm (16") O.C. FOR MAX. 2830mm (9"-3") SPAN & 38x140 (2"x6") @ 406 (16") O.C. FOR MAX. 4450mm (14'-7") SPAN
- RATERS FOR BUILT-UP ROOF TO BE 38x89 (2"x4") @ 610mm (24")

  O.C. WITH A J8x89 (2"x4") CENTRE POST TO THE TRUSS BELOW,

  LATERALLY ERACED @ 1800mm (6"-0") O.C. VERTICALLY.
- TWO STOREY VOLUME SPACES

  -FOR A MAXIMUM 5490 mm (18"-0") HEIGHT AND MAXIMUM SUPPORTED ROOF TRUSS LENGTH OF 6.0m, PROVIDE 2-386140 (2-2"x6") SPR \$2 CONTIN. STUDS © 305mm (12") O.C. (TRIPLE UP AT EVERY THIRD DOUBLE STUD FOR BRICK WALLS) C/W 9.6 (3/8") THICK DXT. PLYMOOD SHATHANG, PROVIDE SOLID WOOD BLOCKING BETWEEN WOOD STUDS © SHEARMAN, PROMBE SOLD WOOD BLOCKING BETWEEN WOOD STIDES ® 1220 mm; (4'-0') C.C. VERTICALLY. -PCR WELLS WITH HORE, DISTANCES NOT EXCEEDING 2800 mm; (9'-6'), PROVIDE 38x140 (2'x6') STUDS ® 405 (16') C.C. WITH CONTINUOUS 2-38x140 (2'2'x6')TOP PLATES + 1-38x140 (1-2'x6') BOTTOM PLATE & MINIMUM OF 3-36x184 (3-2'x6') CONT. HEADER AT GRAD. CELING LEVEL TOE-NAMED & GLUED AT TOP, BOTTOM PLATES AND HEADERS.
- EXPOSED FLOOR TO EXTERIOR (SB-12-TABLE 31.1.2.A) 40) PROVIDE RS: 5.46 (R31) INSULATION, APPROVED VAPOUR BARRIER AND CONTINUOUS AIR BARRIER, FINISHED SOFFIT.
- PARTYWALLS
  TYPICAL 1 HOUR RATED PARTYWALL.
  REFER TO DETAILS FOR TYPE AND SPECIFICATIONS. 41.
- EXTERIOR WALLS FOR WALK-OUT CONDITIONS
  THE EXTERIOR BASEMENT STUD WALL TO BE 38x140 (2"x6") (42) STUDS @ 406mm (16") o.c. QR 38x89 (2"x4") STUDS @

MINIMUM BEDROOM WINDOW —OEC. 9.9.10.1—
 AT LEAST ONE BEDROOM WINDOW ON A CAVEN FLOOR IS TO HAVE MIN.
 O.35m2 UNDESTRUCTED GLAZED OR OPENABLE AREA WITH MIN. CLEAR

WORN OF 380 mm (1-3).

WINDOW GLARDS —O'BC. 9.8.8.1.(6)

A GUARD IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED
LESS THEM 460mm (1-7) ABOVE FIL FLOOR AND THE DISTANCE FROM
THE FILL FLOOR TO THE ADAGCENT GRADE IS GREATER THAN 1800mm

(5-11)
WINDOW WELLS -OBC. 9.14.6.3.
ALL WINDOW WELLS TO DRAW TO FOOTING LEVEL PER OBC 9.14.6.3.
CHECK WITH THE LOCAL AUTHORITY.
EXTERIOR WINDOWS

TO COURT WITH REQUIREMENTS STATED IN

EXTERIOR WINDOWS

ALL EXTERIOR WINDOWS TO COMPLY WITH REQUIREMENTS STATED IN

O.B.C.-DV. B-9.7.1.7. & SB12-3.1.1.9.

### EXTERIOR DOORS - THERMAL RESISTANCE ALL EXTERIOR DOORS TO COMPLY WITH THERMAL RESISTANCE AS STATED

ALL EXTERIOR DOORS O.B.C. SB-12-3.1,1.9. EXTERIOR SLIDING GLASS DOORS—THERMAL RESISTANCE ALL EXTERIOR SLIDING GLASS DOORS TO COMPLY WITH THERMAL RMANCE AS STATED IN O.B.C. SB-12-3.1.1.9.

#### GENERAL:

MECHANICAL VENTILATION IS REQUIRED TO PROVIDE 0.3 AIR CHANGES PER HOUR AVERAGED OVER 24 HOURS. SEE MECHANICAL DRAWINGS. ALL DOWNSPOUTS TO DRAIN AWAY FROM THE BUILDING AS PER OBC 9.26.18.2. AND MUNICIPAL STANDARDS.

SIDD WALL REINFORCEMENT FOR FIGURE CRAB BARS IN MAIN BRITHFOOM REINFORCEMENT OF STUD WALLS SHALL BE INSTALLED ADJACENT TO WASC. CLOSETS AND SHOWER OR BRITHFUS IN MAIN BRITHFOOK, REFER TO WASC. 9.5.2.3, 3.8.3.8.(3)(c), 3.8.3.8.(3)(c), 3.8.3.13.(2)(g) ½ 3.8.3.13.(4)(e).

ALL AIR BARRIER SYSTEMS TO COMPLY WITH O.B.C.-DM. 8, 9.25.3.

<u>OUTDOOR AR INTAKE</u> ALL OUTDOOR AR INTAKES SHALL BE LOCATED SO THAT THEY ARE SEPARATED FROM SOURCES OF CONTAMINATION (EXHAUST VENTS) IN COMPLIANCE WITH O.B.C. DW.-B 6.2.3.12. AND TABLE 6.2.3.12.

#### LUMBER:

1) ALL LUMBER SHALL BE SPRUCE NO.2 GRADE, UNLESS NOTED OTHERWISE. LUMBER EXPOSED TO THE EXTERIOR TO BE SPRUCE No.2 GRADE PRESSURE TREATED OR CEDAR, UNLESS NOTED OTHERWISE.

3) ALL LAMMATED VENEER LUMBER (LVL.) BEAMS, GRODER TRUSSES, AND METAL HANGER CONNECTIONS SUPPORTING ROOF FRAMING TO BE DESIGNED & CERTIFIED BY ROOF TRUSS MANUF.
4) LYL BEAMS SHALL BE 2.02-2860FD MIN. NAIL EACH PLY OF LVL WITH

89mm (3 1/2") Long Common wire Mals @ 300mm (12") O.C. Staggered in 2 rows for 184,240 & 300mm (1/4",9 1/2", 11 7/8") Depths and staggered in 3 rows for greater depths and for 4 PLY MEMBERS ADD 13mm (1/2") DIA GALV. BOLTS BOLTED AT MID-DEPTH OF BEAM @ 915mm (3"-0") O.C.

PROVIDE TOP MOUNT BEAM HANGERS TYPE "SCL" MANUFACTURED BY SUPSON STRONG—TIE OR EQUIAL FOR ALL LVL BEAM TO BEAM CONNECTIONS UNLESS NOTED OTHERWISE.

6) JOIST HANGERS: PROVIDE METAL HANGERS FOR ALL JOISTS AND BUILT-UP WOOD MEMBERS INTERSECTING FLUSH BUILT-UP WOOD MEMBERS.

WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE, IN CONTACT WITH CONCRETE, SHALL BE SEPARATED FROM THE CONCRETE BY AT LEAST 2 MIL POLYETHYLENE FILM, NO. 50 (450b.) ROLL ROCKING OR OTHER DAMPPROOFING MATERIAL, EXCEPT WHERE THE WOOD WILMBER IS AT LEAST

#### STEEL:

) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40.21 GRADE 350N.
"STRUCTURAL QUALITY". PER OSC. B-9.23.4.3.

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

AL STUCCO WALLS TO HAVE A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAWAGE TO THE EXTERIOR. THE EXTERIOR SHEATHING MUST NOT BE GYPSUM BASED. ALL STUCCO TO BE INSTALLED AS PER MANUTACTURERS SPECIFICATIONS.

THE MINIMAL THERMAL PERFORMANCE OF BUILDING ENVELOPE AND EQUIPMENT SHALL CONFORM TO THE FOLLOWING SB-12 COMPLIANCE PACKAGE AS PER OBC SUPPLEMENTARY STANDARD SB-12, SECTION 3.1.1.1.

USE SB-12 COMPLIANCE PACKAGE (A1): COMPONENT A1 Notes: 10.56 R20 at inner face (R60) of exterior walls Ceiling with Attic Sp ium RSI (R) value 5.46 BATT or SPRAY (R31) Minimum RSI (R) value 5.46 BATT or SFRAY (R31) Minimum RSI (R) value Walls Above Grade (R22) 6" R22 BATT (R22) 0PTION TO USE (R20ci) R12+R10ci. Minimum RSI (R) value Basement Walls Minimum RSI (R) value Edge of Below Grade S ≤600mm below grade RIGID INSUL (R10) 1.6U (0.28) Maximum U-volue 2.8U (0.49) Space Heating Equip Minimum AFUE Hot Water Heater NATURAL GAS 96% Min. NATURAL GAS Minimum EF 75% Minimum Efficienc Drain Water Heat Minimum 1 OR Maximum 2 Required.
Dependent on number of shorers installed.
Refer to 5812-3.1.1.12 for information. overy Unit (DWHR)

#### LEGEND

(3)

CLASS 'B' VENT

⊜= ស៊<sup>°</sup> DUPLEX OUTLET (HEIGHT A.F.F) ⊜= DUPLEX OUTLET (12" ABOVE SURFACE) GFI DUPLEX OUTLET **⊕**% HEAVY DUTY OUTLET (220 volt) **(4)** POT LIGHT LIGHT FIXTURE (CEILING MOUNTED) SWITCH LIGHT FIXTURE (WALL MOUNTED)

S EXHAUST FAN TO EXTERIOR

HOSE BIB (NON-FREEZE) ® & FLOOR DRAIN S.A. COMBINED SMOKE ALARM AND CARBON MONOXIDE DETECTOR/ALARM

DJ - DOUBLE JOIST TJ --- TRIPLE JOIST

SJ - SINGLE JOIST LVL --- LAMINATED VENEER LUMBER POINT LOAD
X FROM ABOVE

P.T. PRESSURE TREATED G.T. GIRDER TRUSS BY ROOF TRUSS MANUF.

TE FLAT ARCH I CA I CURVED ARCH

M.C.

MEDICINE CABINET

ZZZ CONC. BLOCK WALL

SPECIAL WALL CONSTRUCTION SEE NOTE ON PLANS

SOLID WOOD BEARING (SPRUCE No. 2).
SOLID BEARING IS TO BE AS WIDE AS SUPPORTED MEMBER OR Soud Bearing to be minimum 2 pieces.

The number shown after "58" represents the number of

SOLID WOOD BEARING TO MATCH FROM ABOVE

NOTE: SOLID BEARING TO BE AT LEAST AS WIDE AS THE SUPPORTED

SMOKE ALARM (REFER TO OBC 9.10.19) SMORE ALARYM (REPER TO DISC 9.10.19)

PROVIDE 1 PER FLOOR, NEAR THE STAIRS CONNECTING THE FLOOR
LEVEL AND ALSO 1 IN EACH BEDROOM NEAR HALL DOOR, ALARMS
TO BE CONNECTED TO AN ELECTRICAL CIRCUIT AND INTERCONNECTED
TO ARTHRIFE ALL ALARMS IF 1 SOUNDS, BATTERY BLOCK-UP
REQUIRED, SMORE ALARMS TO INCORPORATE VISUAL SIGNALLING
COMPONENT.

CARBON MONOXIDE ALARM (OBC 9.33.4.) LAMBELYN MUNDDRIJE. ALARM (OBC. 9.33.4.)
WHERE A FUEL-BURNING APPLANCE IS INSTALLED IN A DWELLING UNIT, A
CARRON MONOXIDE DETECTOR CONFORMING TO CAN, FCGA-6.19,CSA 6.19
OR UL2034 SHALL BE INSTALLED ADJACENT TO EACH SLEEPING AREA
CARRON MONOXIDE DETECTORS, SHALL BE PERMANEHTLY WIRED SO THAT
ITS ACTIVATION WILL ACTIVATE ALL CARRON MONOXIDE DETECTORS AND BE
EQUIPPED WITH AN ALARM THAT IS AUDIBLE WITHIN BEDROOMS WHEN THE
INTERVENING DOORS ARE CLOSED.

SOIL GAS CONTROL (OBC 9.13.4.1 & 9.13.4.2) PROVIDE CONSTRUCTION TO PREVENT LEAKAGE OF SOIL GAS INTO THE BUILDING IF REQUIRED.

DRAIN WATER HEAT RECOVERY UNIT (DWHR) PRESIDENT MATER THEAT RECOVERY (DWHR)
PER SB12-3.1.1.1.2. A DRAIN WATER HEAT RECOVERY (DWHR)
UNIT SHALL BE INSTALLED IN EACH DWELLING UNIT TO RECEIVE
DRAIN WATER FROM ALL SHOWERS OF FROM AT LEAST TWO
SHOWERS WHERE THERE ARE TWO OR MORE SHOWERS IN THE
DWELLING UNIT. DOES NOT APPLY IF THERE ARE NO SHOWERS OF
NO STOREY BENEATH ANY OF THE SHOWERS.

FEB 0 4 2021

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO VAJ DESIGN INC. 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. ALL DRAWINGS TO BE LISED FOR CONSTRUCTION ONLY

> SR-12 COMPLIANCE PACKAGE 'A1' TO BE USED FOR THIS MODEL The minimum thermal performance of building envelope and equipment shall conform to the

selected package unless otherwise noted. REVISION: • ONT. REG. 332/12-2012 OBC Amendment O. Reg. 88/19

JAN. 01, 2020 **PACKAGE** 

SINGLES

19014

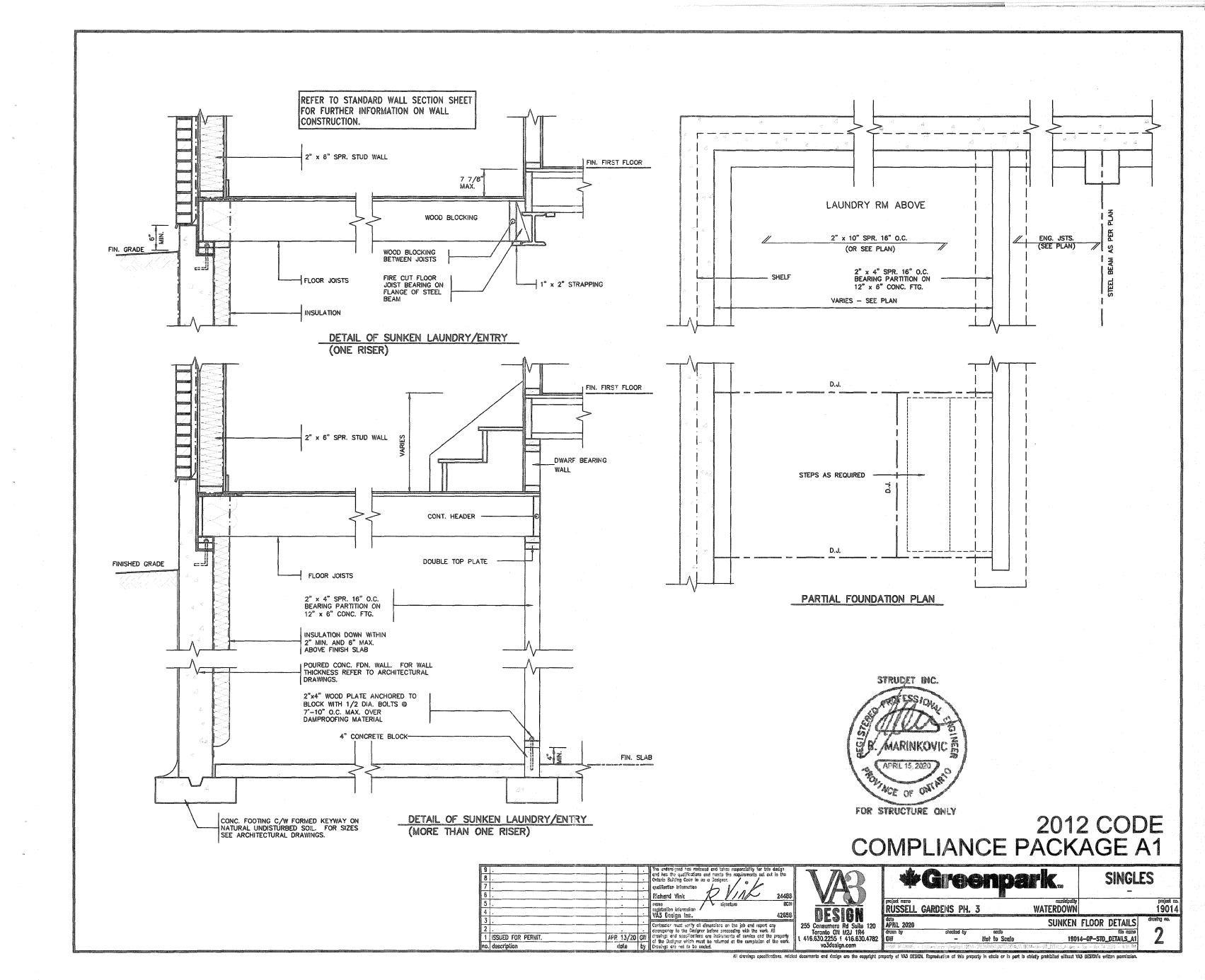
**#Greenpark** RÜSSELL GARDENS PH.3 WATERDOWN

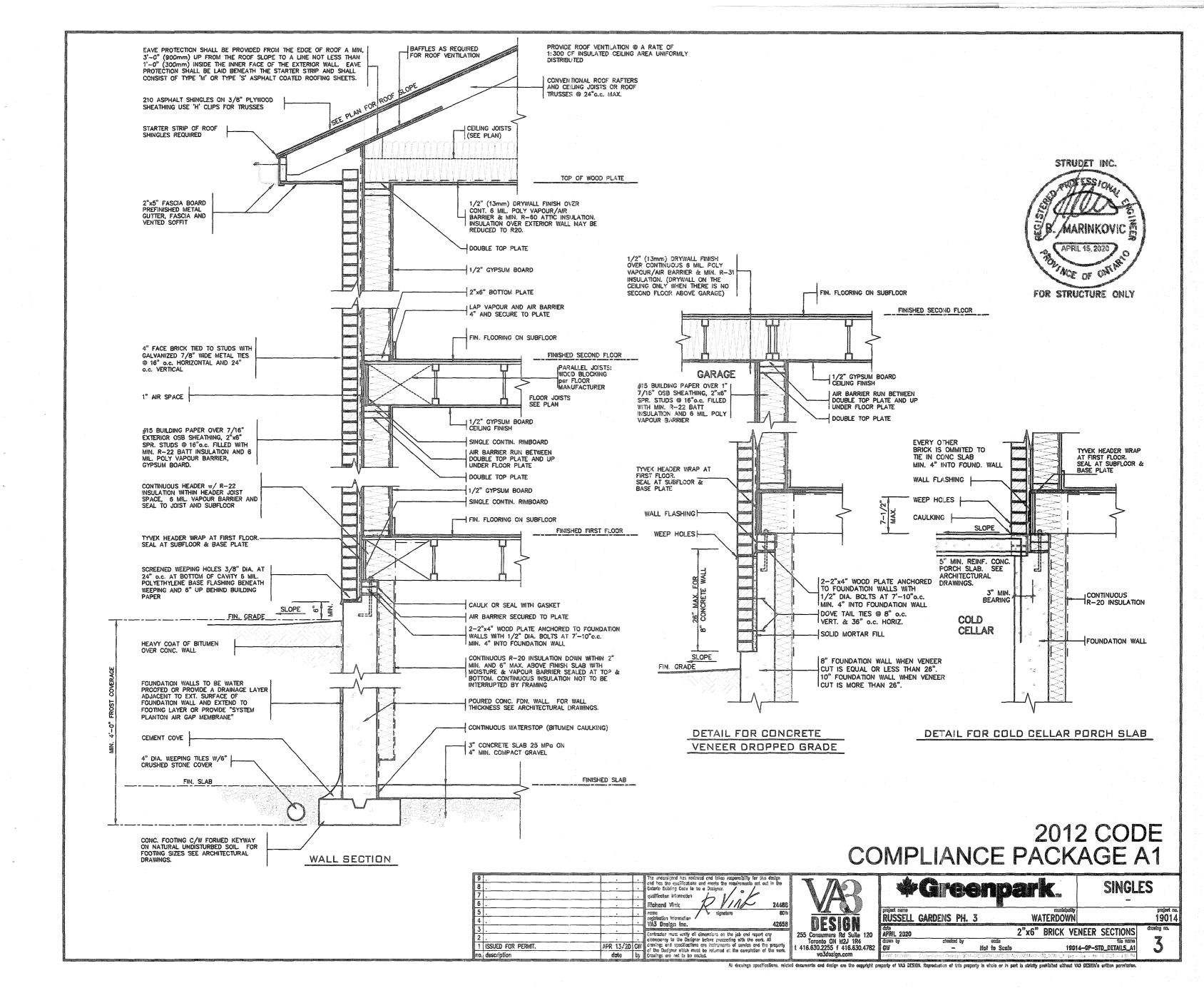
TYPICAL CONSTRUCTION NOTES

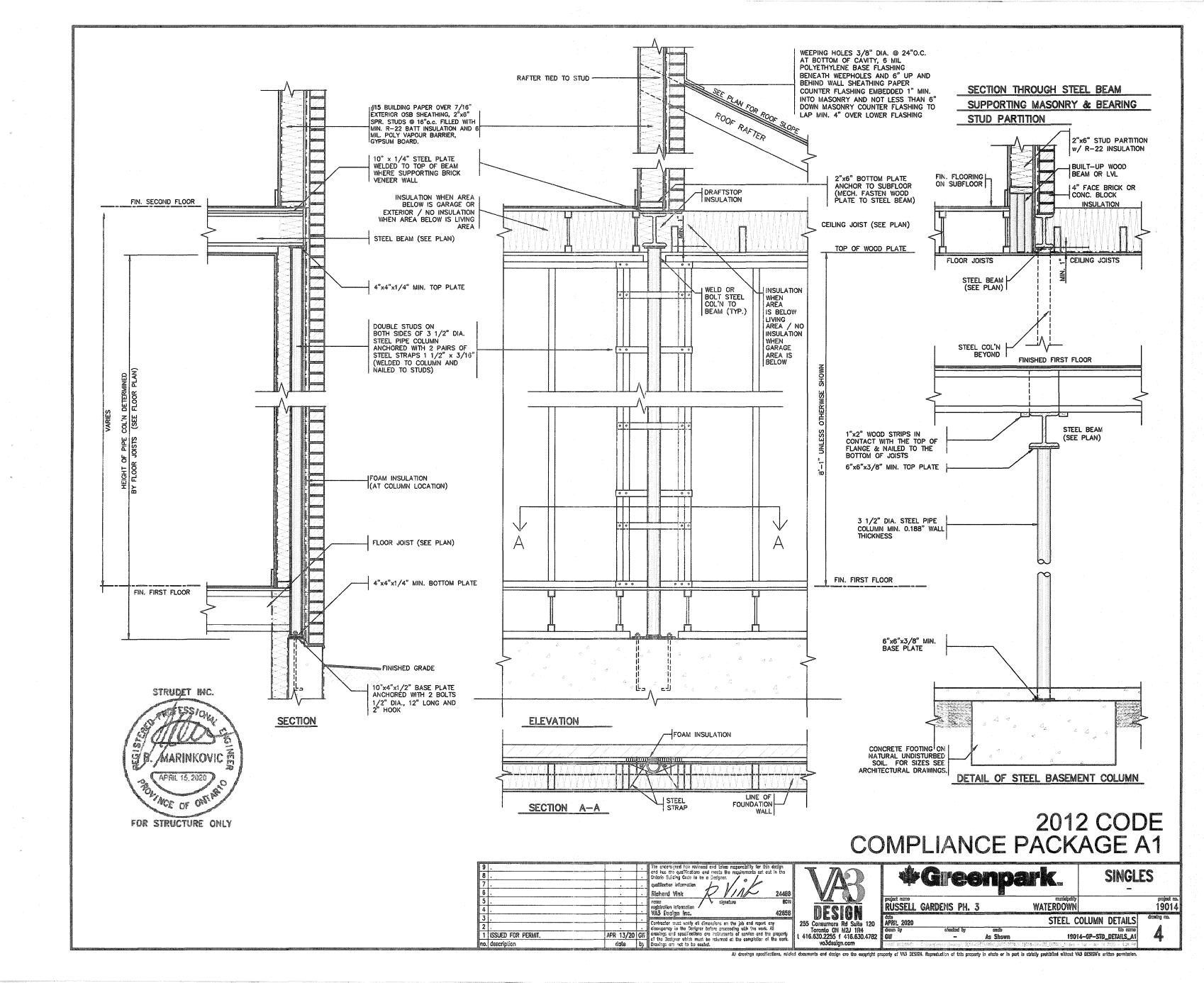
GW 3/16" = 1'-0" GP-14X18-NOTES-2020-VA3-PKG-A1-19014

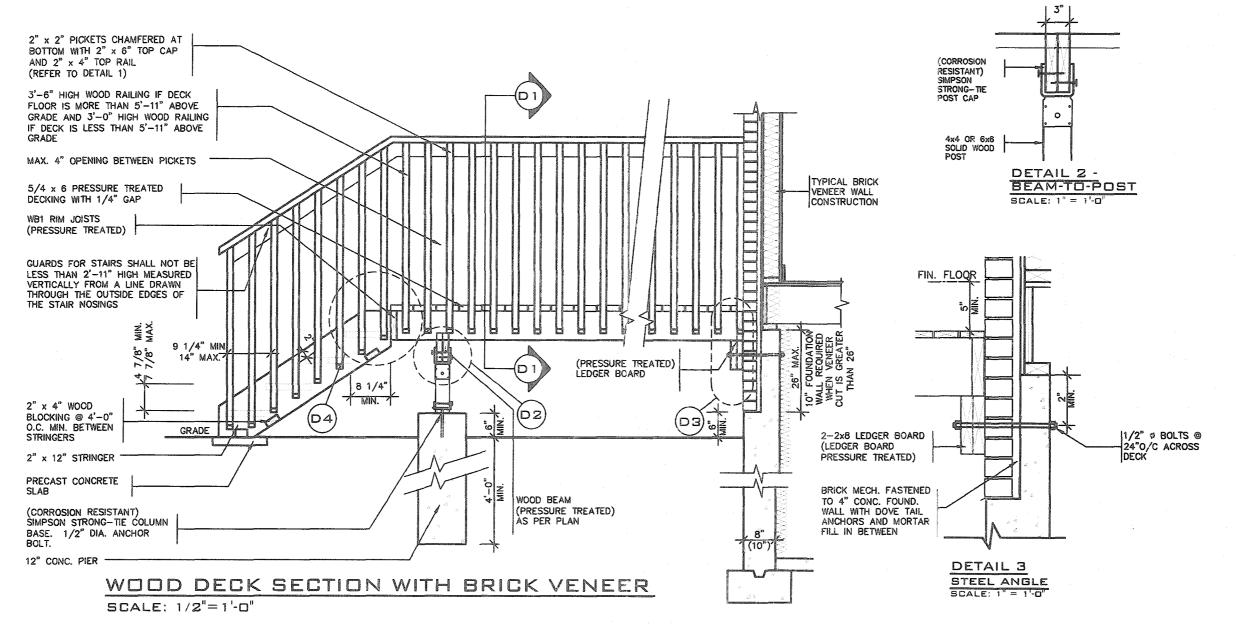
LVL/A =4-1 3/4 x11 7/8" (4-45x300) | 4 2'-5" | 6'-5" | 8'-0" | INTERIOR SLAB DOOR | LVL8 =2-1 3/4'x14" (2-45x356) | 5 2'-6" | 6'-3" | 8'-0" | INTERIOR SLAB DOOR | LVL8 | 2 -1 3/4'x14" | 1 -1

255 Consumers Rd Suite 120
Toronto ON M2J 1R4
4 416.630.2255 f 416.630.4782 APRIL 2020 GW

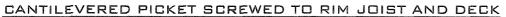


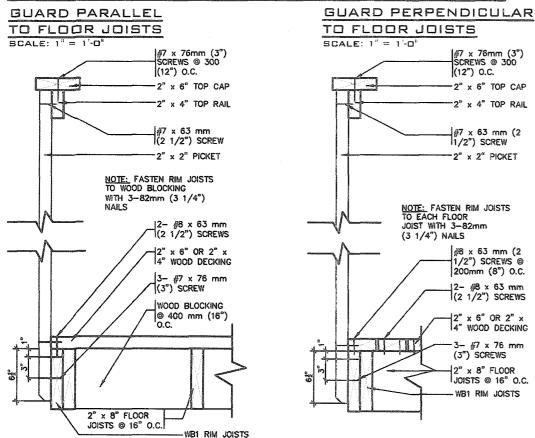


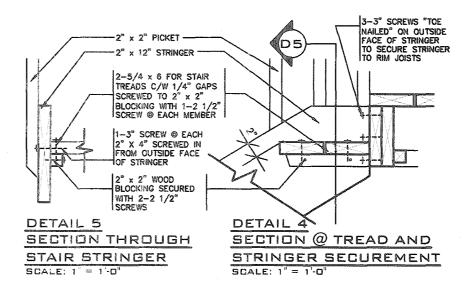




#### DETAIL 1







# STRUCET INC. THOS OF ONE FOR STRUCTURE ONLY

#### 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.

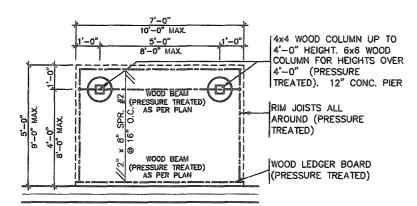
  WOOD FOR CANTILEVERED PICKETS SHALL BE DOUGLAS FIR-LARCH, SPRUCE-PINE-FIR, OR HEM-FIR SPECIES.

  CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 20MPa. AT 28 DAYS AND 5-88 AIR ENTRAINED.

- 5-8% AIR ENTRAINED.
  FOOTING TO BE PLACED ON UNDISTURBED SOIL WITH MINIMUM BEARING 7.
- PRESSURE OF 150kPa [3130psf]. WB1= 2- 2"x8" (PRESSURE TREATED)

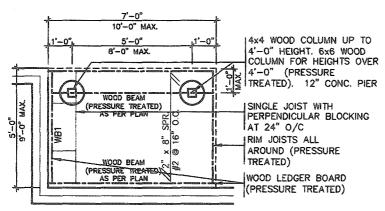
WB3= 2- 2"x10" (PRESSURE TREATED)

9 8 7 6			<u>.</u>   <u>.</u>   <u>.</u>	The undersigned has reviewed and takes responsibility for this design and has the qualifications and mesta the requirements set out in the Ordania Bulling Cods to be a Designer.  qualification information  Richard Vinit  24488	VAR		Gree	npark	Z Nu	SINGL	ES
5 4			<u>.</u>	registration information vignature BC8 VAS Design Inc. 42656	MALASI	RUSSELI	GARDENS PH. 3		RDOWN		<sup>projec</sup> 190
2			<u>:</u>	Contractor must verify all dimensions on the job and report any discrepancy to the Designar before proceeding with the work. All	255 Consumers Rd Suite 120 Toronto ON M2J 1R4	APRIL 2020 drawn by	checked by	Sporija	WOOD	DECK DETAILS	drowing no
<b></b>	ISSUED FOR PERMIT.  description	APR 13/20 date	1000		1 440 070 DOCE / 440 070 4700		- Chickenham in Desiron (19014-4	As Shown  OPECHPARK/UNITS/DETARS/19014-09-ST0_BETU	19014-	-GP-STD_DETAILS_A1	C
*****	All drowings expedifications, related documents and design are the coppright property of VAS DESIGN. Reproduction of this property in whole or in part is strictly prohibited without VAS DESIGN's written permission.										



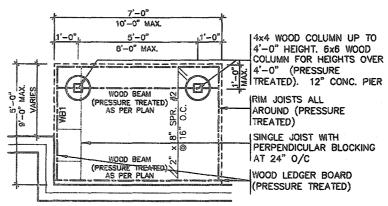
#### TYPICAL DECK LAYOUT

SCALE: 1/4"=1'-0"



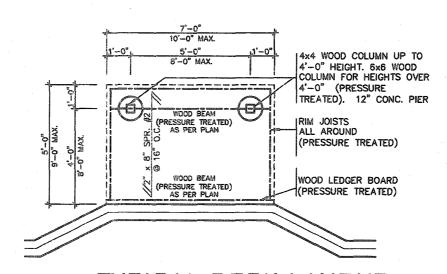
TYPICAL DECK LAYOUT

SCALE: 1/4"=1'-0"



#### TYPICAL DECK LAYOUT

SCALE: 1/4"=1'-0"



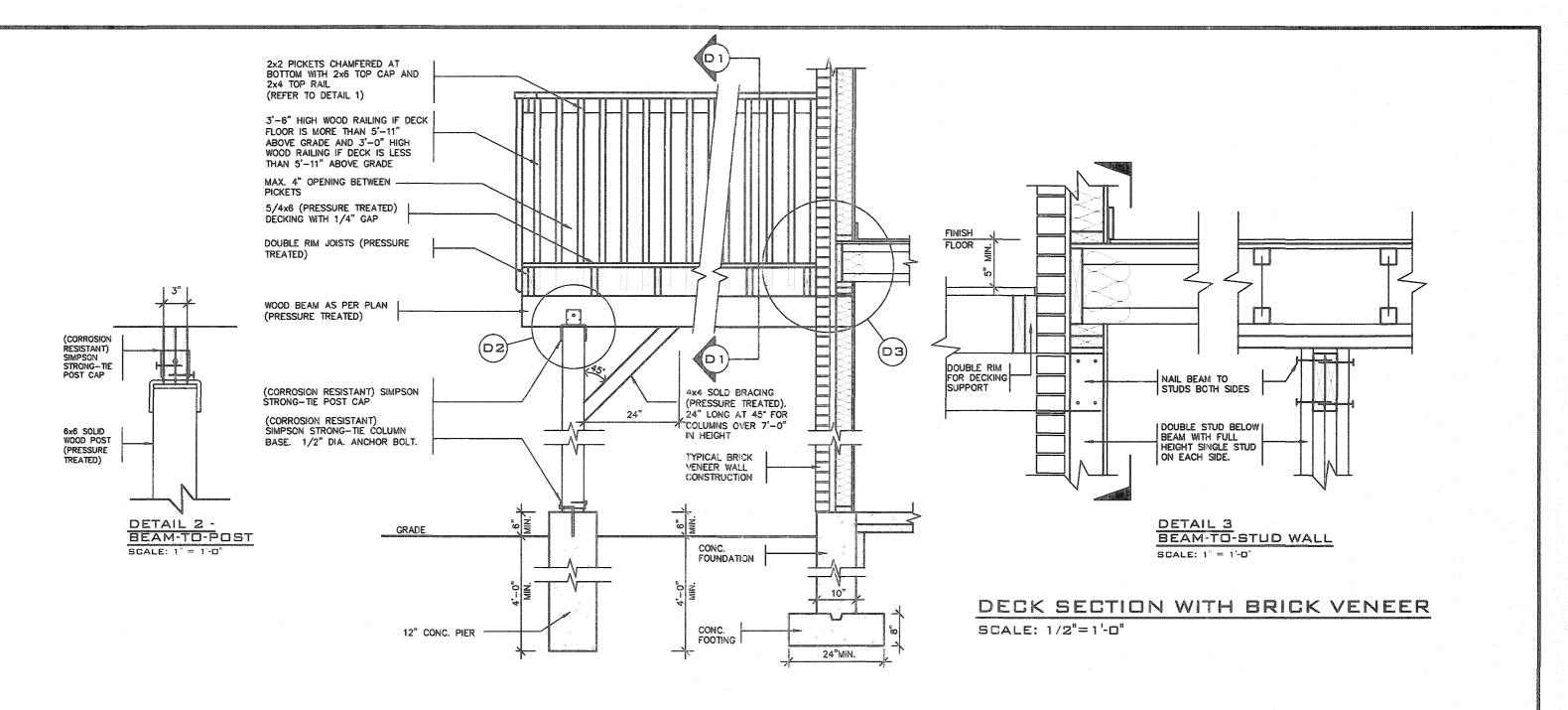
TYPICAL DECK LAYOUT SCALE: 1/4"=1'-0"

STRUDET INC.

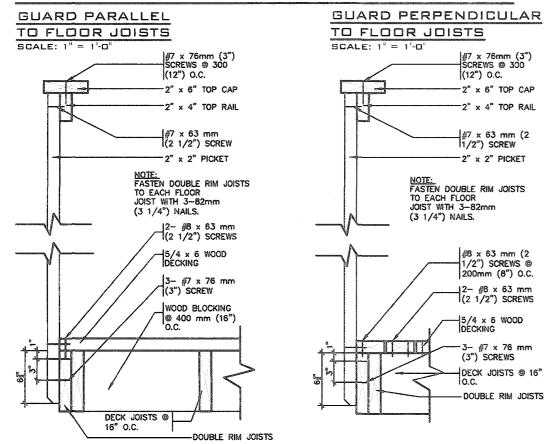
SSTRUDET INC.

SSTRUCTURE ONLY

9 . 8 . 7 . 6 .			The undersigned has reviewed and takes responsibility for this design and hes the qualifications and mosts the requirements set out in the Chatric Bulling Good to be a Designer.  cualification information Richard Vints  2448		3		Gree	mpa	rk.	SINGLI	<b>S</b>
5 . 4 . 3 .	:	· ·	notine of the state of the stat	DESIG		PROJECT FORMS RUSSELL  dete APRIL 2020	GARDENS PH. 3	and the second s	WATERDOWN WOO	D DECK PLANS	project 1901 drawing no.
2 . 1 ISSUED FOR PERMIT. no. description	APR 13/20 date	1.	discrepancy to the Designer before proceeding with the work. All circulage and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. Oranings are not to be seeled.	255 Consumers Rd Toronto ON M2 t 416.630.2255 f 41 va3design.co	J 1R4 6.630.4782	drawn by	checked by - CAUsers\visionf\Desktop\\9014-68	ecto As Shown  *(TAPARK\JMRTS\DETALS\190		-GP-STD_DETAILS_A1 The - Apr 14 2020 - 4:38 PM	5-1



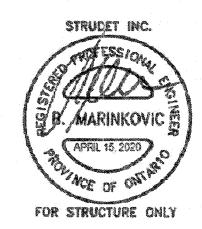
#### DETAIL 1 CANTILEVERED PICKET SCREWED TO RIM JOIST AND DECK



#### 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)



**2012 CODE COMPLIANCE PACKAGE A1** 

9		•		The undersigned has reviewed and takes responsibility for this design	7 70
8				and has the qualifications and mests the requirements set cut in the Ontario Building Code to be a Designer.	
7				qualification information	
6				Richard Vink X /// 24488	
5				nome signature BCDK	47
4				registration information / 42658	l Design
3					
2				Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All	255 Consumers Rd Suite
1	ISSUED FOR PERMIT.	APR 13/20	G₩	drawings and specifications are instruments of service and the property	Toronto ON M2J 1R4 t 416.630.2255 f 416.630
no.	description	date	by	of the Designer which must be returned at the completion of the work.  Drawings are not to be scaled.	va3design.com





**SINGLES** 

project no. 19014

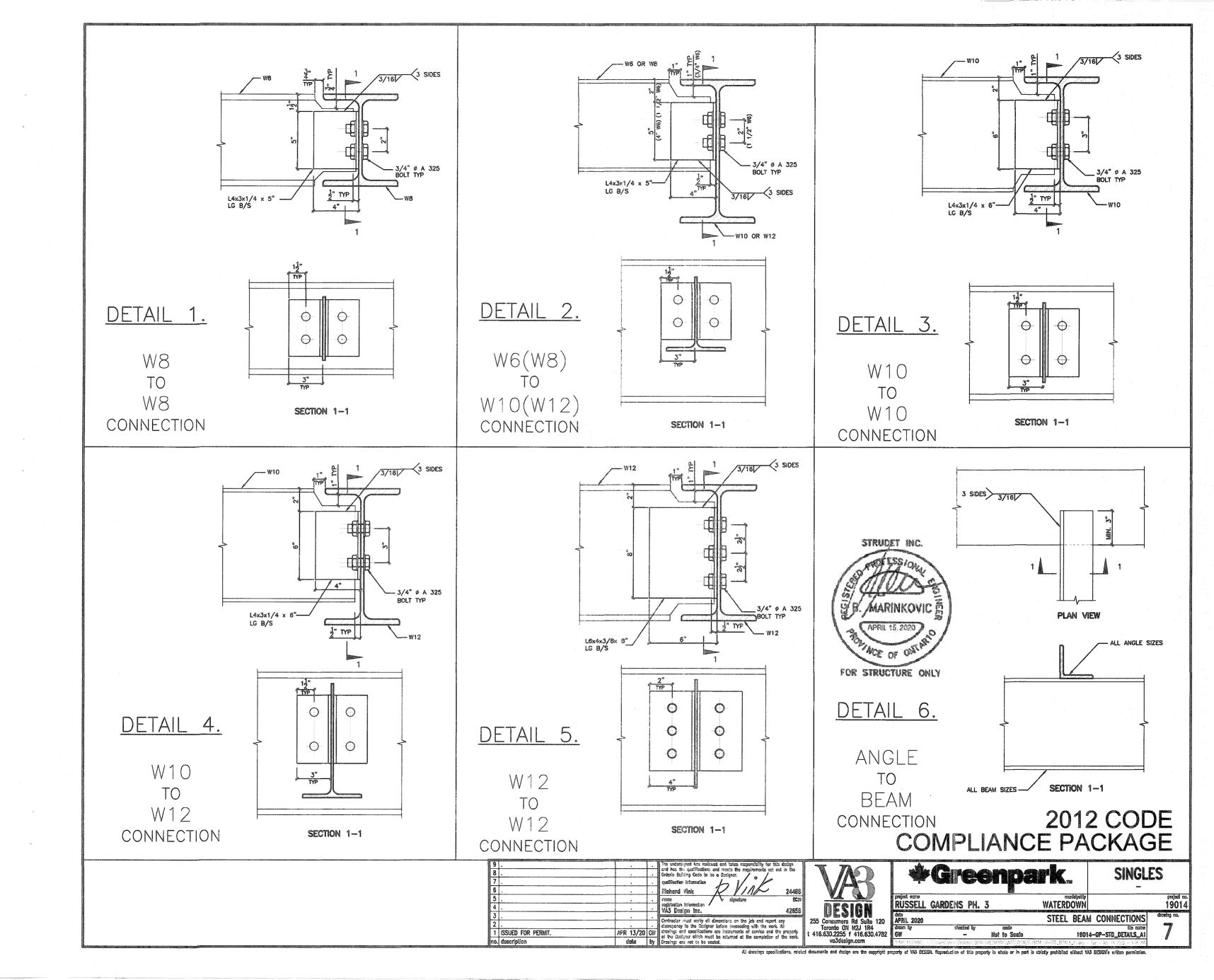
6

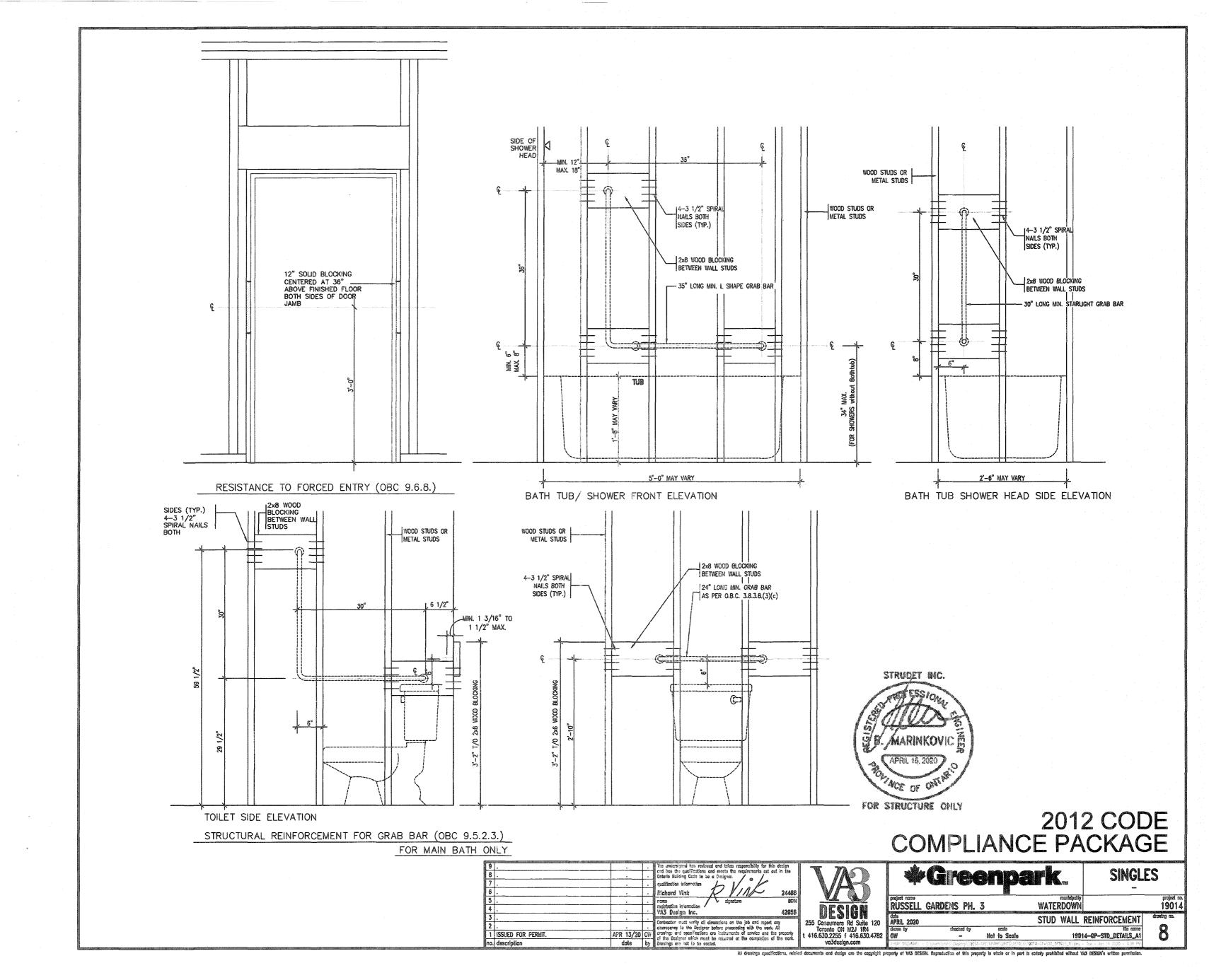
120

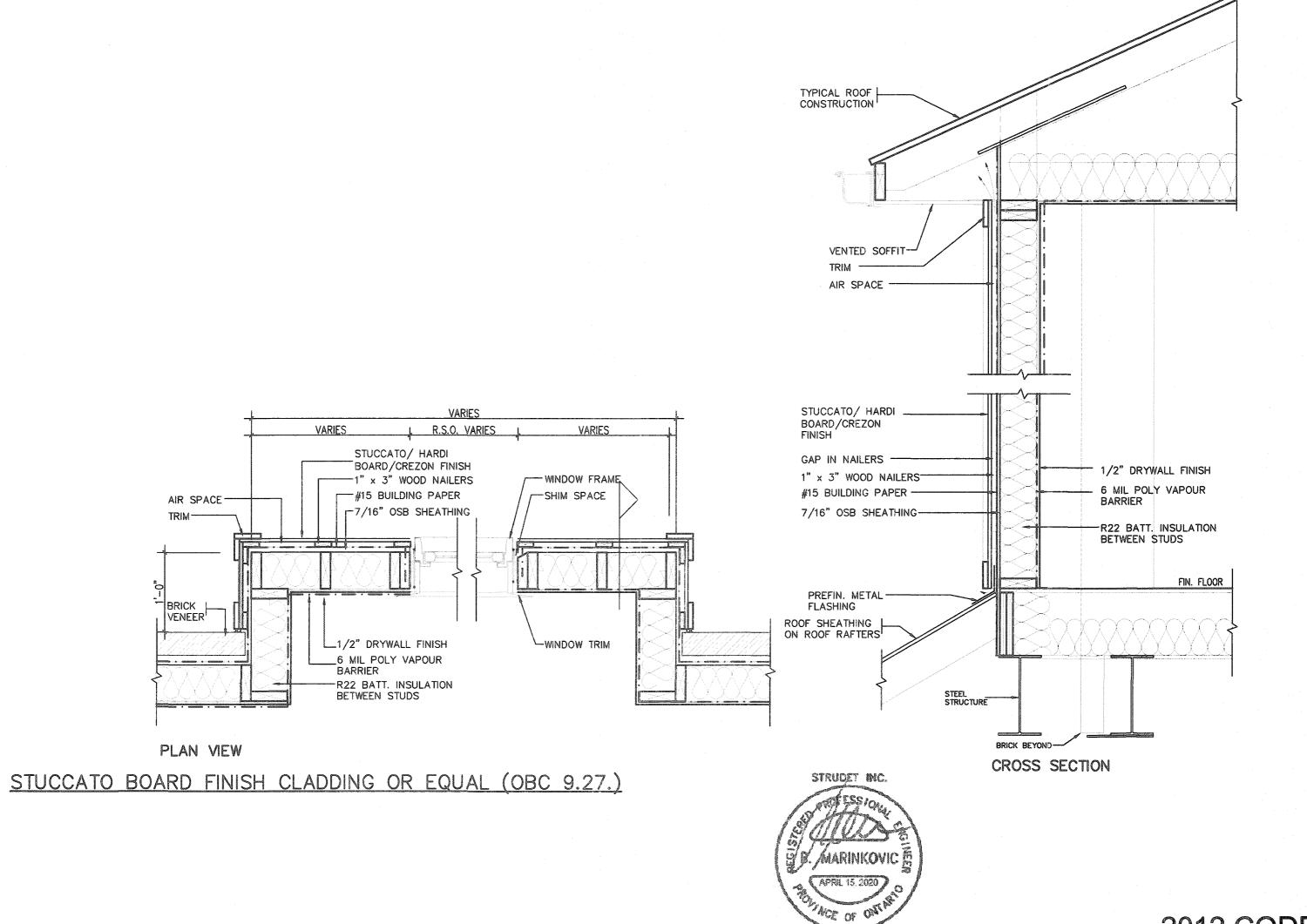
RUSSELL GARDENS PH. 3 WATERDOWN

WOOD DECK DETAILS-WALK-OUT CONDITION

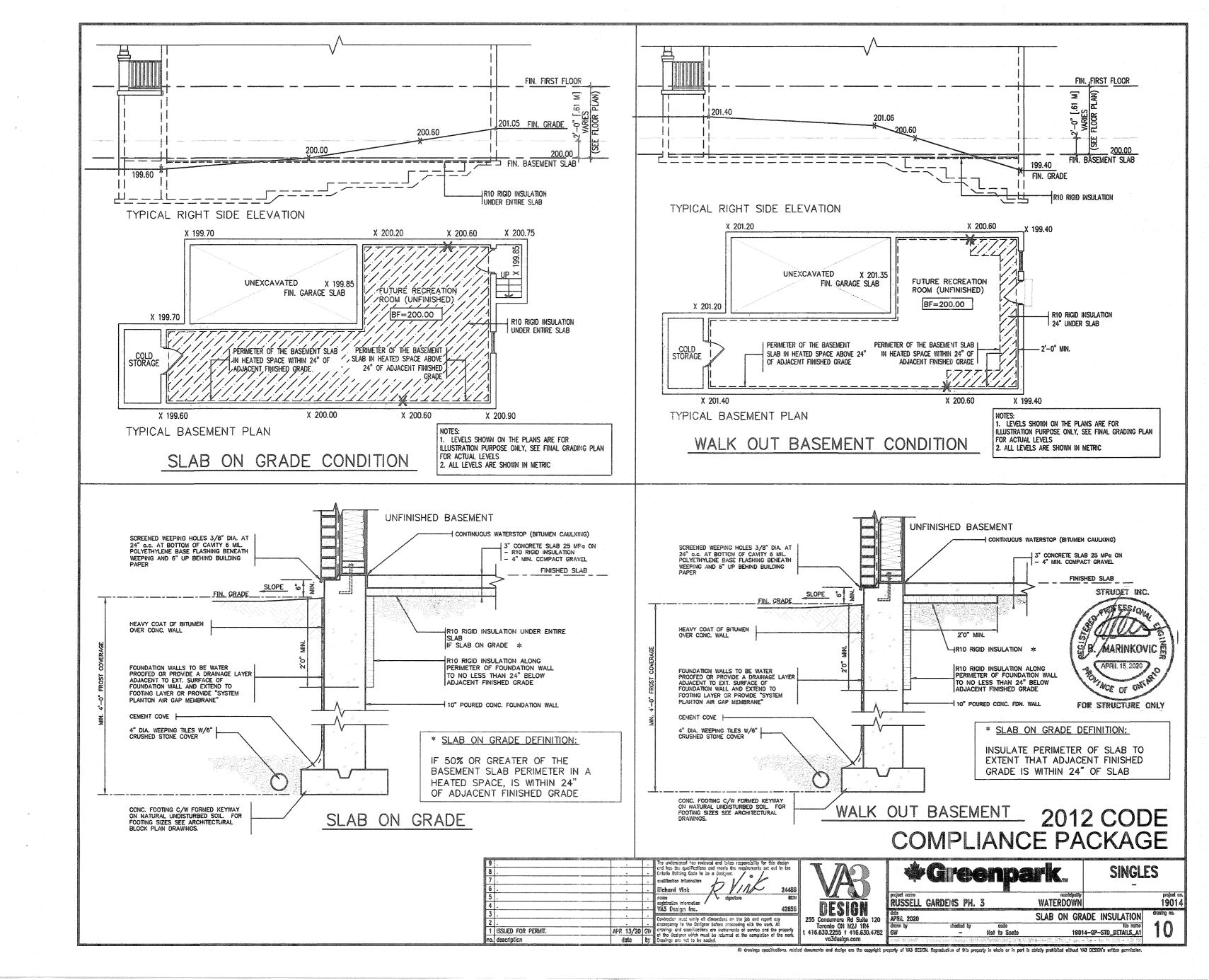
19014-GP-STD\_DETAILS\_A1

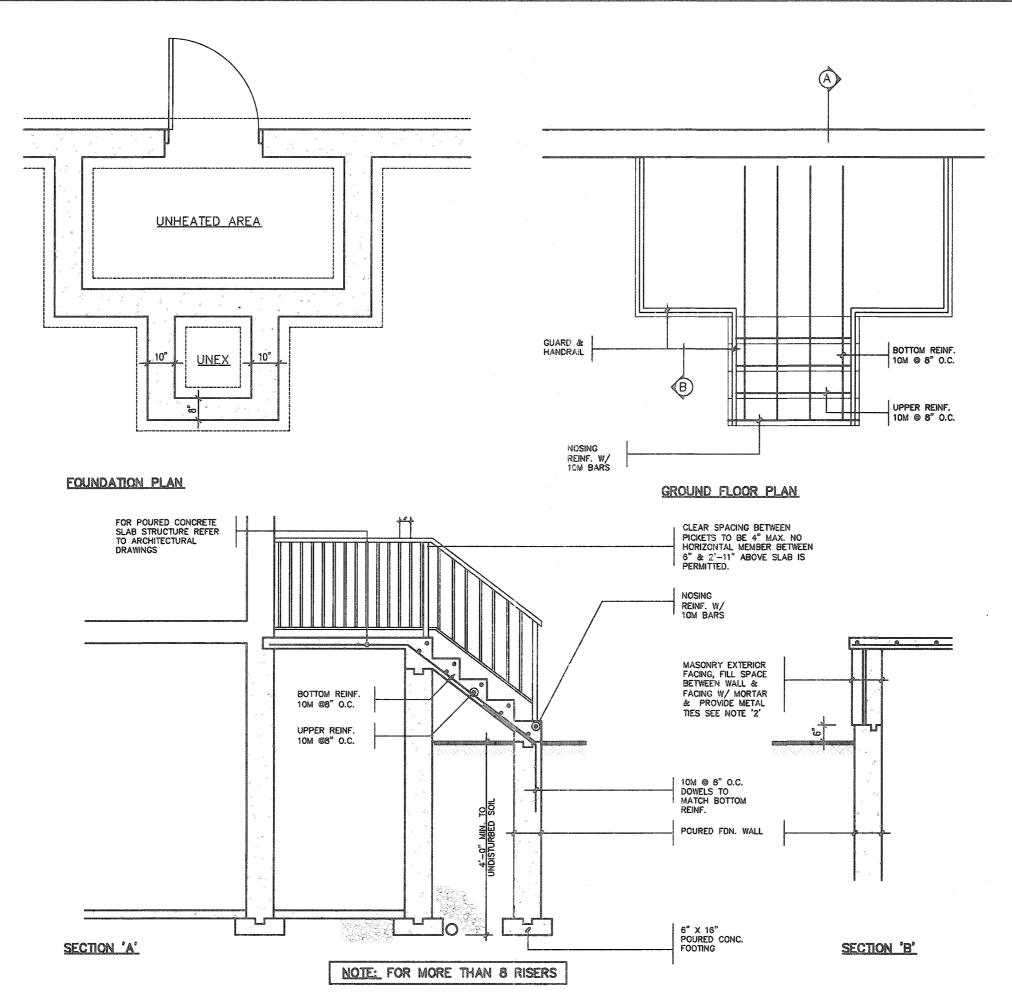






FOR STRUCTURE ONLY





#### 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  $34^\circ-38^\circ$ .

#### 5. FOUNDATION WALLS

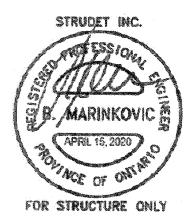
THICKNESS OF FOUNDATION WALLS IS DEPENDANT UPON VENEER CUT 8° FOR UP TO 26° VENEER CUT HEIGHT 10° FOR VENEER CUT OVER 26° HIGH

#### 6. CONCRETE

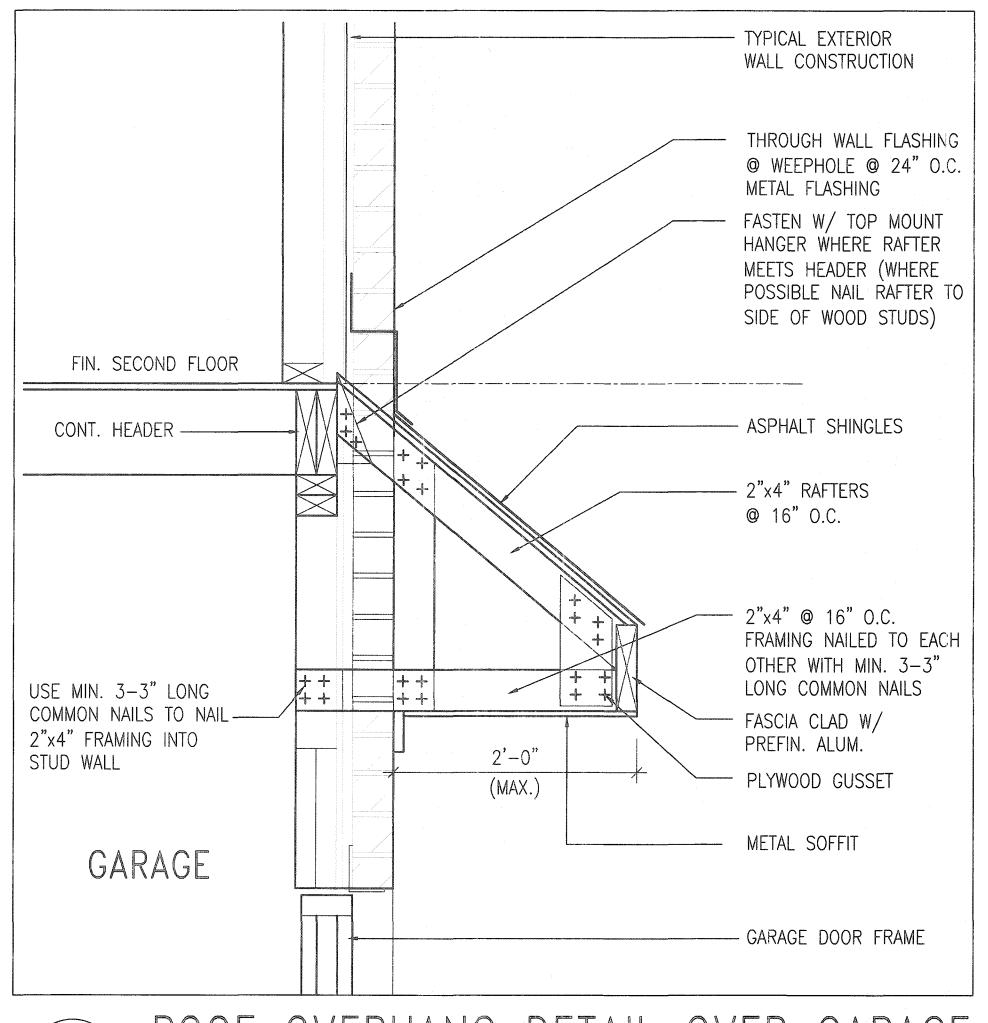
MINIMUM CONCRETE STRENGTH SHALL BE 4650 PSI [32MPa] W/ 5%-8% AIR ENTRAINMENT MINIMUM CONCRETE SLAB THICKNESS 5"

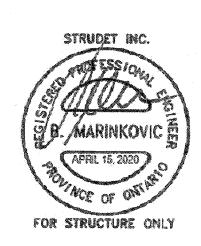
#### 7. CONCRETE COVER

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



	9 8 7 6			Ŀ	The undersigned has reviewed and takes responsibility for the design and has the qualifications and meals the requirements set out in the Onlario Bulling Code to be a Designer.  qualification information  Richard Vinik  24486	VAR		Greenp	ark.	SINGL	
	5	•	· ·		name signature BCN registration infernation NAS Design Inc. 42658		RUSSELL	GARDENS PH. 3	WATERDOWN		project no. 19014
	3				Contractor must verify all dimensions on the job and report any	255 Consumers Rd Suite 120	date APRIL 2020		POURED CONC	. PORCH STEPS	drawing no.
13-		ISSUED FOR PERMIT.	<del></del>	C₩	cromings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work.	Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3desian.com	draw by GW	checked by cools - Not to Scale	1901	14-GP-STD_DETAILS_A1	
-	no.	description	Gate	Dy	Crawings are not to be sected.	1	PON NORMAL	— CAUSARS Votes a Viersklope (BCN — Del Der MESA ONE) CO (M NCM — Demonstration of Alle accounts in whole action	SV18014-1-2-SID_DERES_31.deg	- 198 - Acr 16 2070 - 8:35 29	22.00 Marx 100 Marx 1

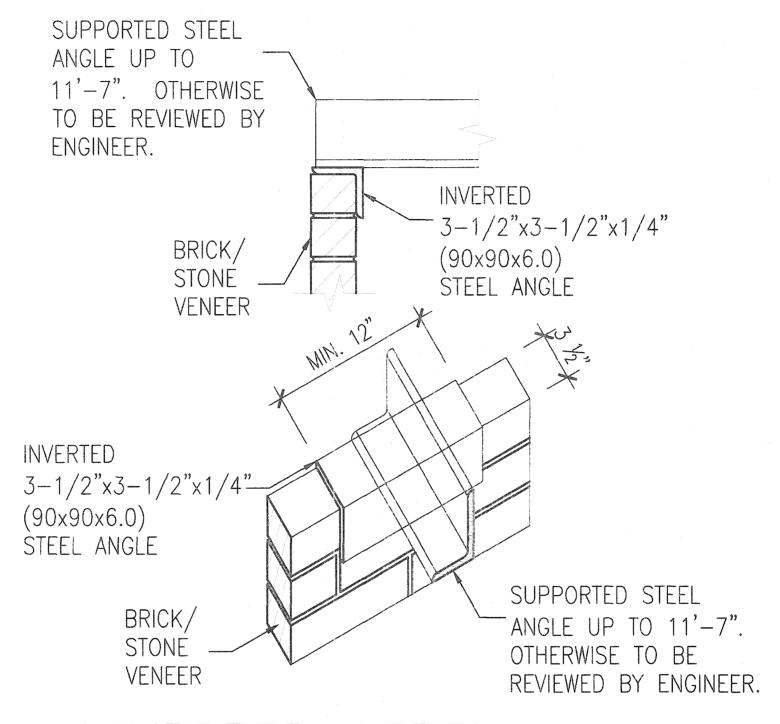




 $\left(\mathsf{B}\right)$ 

# ROOF OVERHANG DETAIL OVER GARAGE

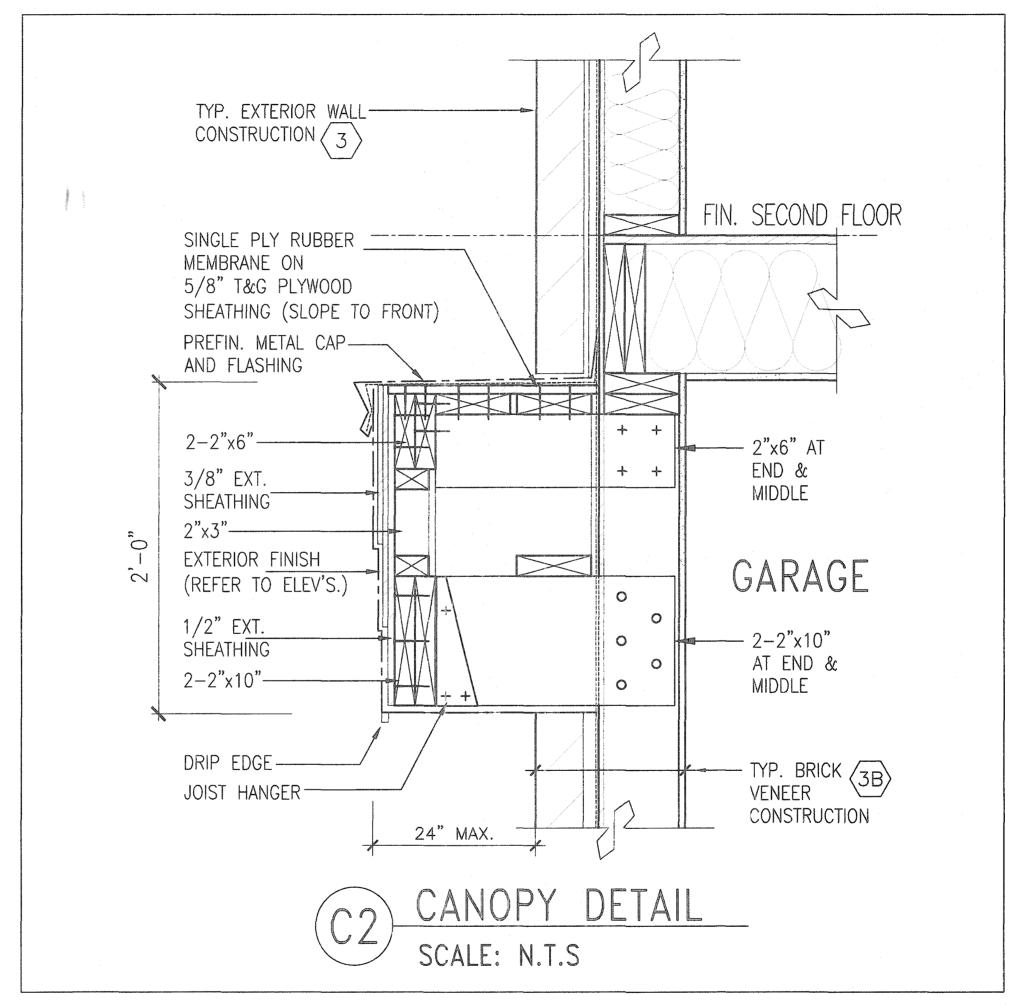
9 . 8 . 7 . 6 .		The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.  - qualification information  - Richard Vinit	VAR	<b>#Greenp</b>	ark.	SINGLES
5.4.		. nome signature signature SCA registration information VAS Design Inc. 42658		RUSSELL GARDENS PH. 3	WATERDOWN	project no 19014
3 .		Contractor must verify all dimensions on the job and report day discrepancy to the Designer before preceeding with the work. All	255 Consumers Rd Suite 120	AFRIL 2020	DETAIL OF E	EXTENDED ROOF drawing rec
1 ISSUED FOR PERMIT. no. description	APR 13/20 date		Torento ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3design.com	GW - Not to Seale  White MCANAGE - Characteristics (Seale)	1 <b>901</b> - 18014-68-510_881488_61.dec	14-GP-STD_DETAILS_A1

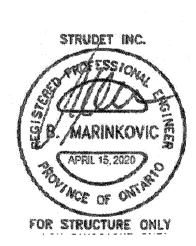




INVERTED STEEL ANGLE DETAIL

9 . 8 . 7 . 6 .			Ŀ	The undersigned has reviewed end taken responsibility for this design and has the qualifications and mosts the requirements set out in the Ontario Building Code to be a Dasigner.  qualification information  Richard Vinit  24485	VAR		Gree	sqns	rk.	SINGL	
5 .		-:	<u>.</u>	nome signeture signeture BCN registration information VAS Design Inc. 42656	NECIQUE 1	RUSSELL	GARDENS PH.	3	WATERDOWN		project no. 19014
3 .			<u>.</u>	Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All	DES GN 255 Consumers Rd Suite 120	APRIL 2020			INVERTE	D STEEL ANGLE	drowing no.
	SSUED FOR PERMIT. description	APR 13/20 dote	G₩	determine 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.	Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782 va3design.com	GROWN by  GW  FROM MOTAMACE	checind by C\tipers\pins\\perktop\\9014-	Not to Scale  (SECROPROUNTS DETAILS ) IS	1901 2014-09-SID_DETAKS_ALdwg -	4-GP-STD_DETAILS_A1	15





					mass 22 was 4	doba processes as the officer of the control of the		
9 . 8 . 7 . 6 .		The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements ext out in the Ontario Bullonia Code to be a Designer.  qualification information  Richard Vinit  24488	VAR		Gree	npark.	SINGLES	3
5 . 4 .		nome signature BCN registration information VA3 Design Inc. 42658	negian	Control of the Contro	GARDENS PH. 3	municipality WATERDOWN	and a commence of the second s	project no. 19014
3 . 2 .		Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All	255 Consumers Rd Suite 120 Toronto ON M2J 1R4	APRIL 2020 drown by	cheeled by	CANOPY ROOF AT	GARAGE DETAIL	trading no.
1 ISSUED FOR PERMIT. // no. description	dote by	drawings and specifications are instruments of service and the property of the Basigner which must be returned at the completion of the work. Drawings are not to be scaled.	t 416.630.2255 f 416.630.4782 va3design.com	1946 MOTOMES -	- C \Users\ydrov\(f#sktop\\19614-G8	Not to Scale 1901  THERESK UNITS DETAILS 19014—19-510_DETAILS A I day  In whole or in part is strictly prohibited without W	4-GP-STD_DETAILS_A1	