

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

ROOF CONSTRUCTION
NO.210 (10.25kg/m2) ASPHALT SHINGLES, 10mm (3/8") PLYWOOD
SHEATHING WITH "H" CLIPS, APPROVED WOOD TRUSSES @ 600mm
(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) 3889 (2'x4") TRUSS BRACING @ 1830mm (6'-0") O.C. AT BOTTOM CHORD. PREFIN. ALUM. EAVESTROUGH, FASCIA, RWL & 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.) ENSURE ALL OVERLAPPING ROOF SPACES ARE OPEN TO MAIN ROOF ATTIC SPACE FOR VENTING PURPOSES.

FRAME WALL CONSTRUCTION (2"x6") (SB-12-TABLE 3.1.1.2.A) SIDING AS PER ELEV., 19x38 (1"x2") VERTICAL WOOD FURRING, CONTIN. SHEATHING MEMBRANE, 9.5mm (3/8") EXT. TYPE SHEATHING, 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 ADDITIONAL THERMAL INSULATION REQUIREMENTS.

RESERVED (2A.)

FRAME WALL CONSTRUCTION (2"x4")— GARAGE WALLS SIDING AS PER ELEV., 19x38 (1"x2") VERTICAL WOOD FURRING, CONTIN, SHEATHING MEMBRANE, 9.5mm (3/8") EXT. TYPE SHEATHING, 38x89 (2"x4") STUDS @ 400mm (16") O.C. (MAX. HEIGHT 3000mm (2B) (9'-10"), WITH APPR. DIAGONAL WALL BRACING. SIDING TO BE MIN. 200mm (8") ABOVE FINISH GRADE.

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 (2D) 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 13mm (1/2") EXT. TYPE SHEATHING ON 38x89 (2"x4") STUDS @ 400 (16") O.C., STUCCO TO BE MIN. 200 (8") AROVE FINISH GRADE

WALLS ADJACENT TO ATTIC SPACE - NO CLADDING 9.5mm (3/8") EXT. TYPE SHEATHING, 38x140 (2"x6") STUDS @ 400mm (16") O.C., RSI 3.87 (R22) INSULATION AND APPR. VAPOUR BARRIER (2E) 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.

MASONRY VENEER CONSTRUCTION (2"x6")(SB-12-TABLE 3.1.1. 90mm (4") MASONRY, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x7"x0.03") GALV. METAL TIES @ 400mm (16") O.C. HORIZONTAL 600mm (24") O.C. VERTICAL. APPROVED SHEATHING PAPER, 9.5mm (3/8") EXT. TYPE SHEATHING, 38x140 (2"x6") STUDS @ 400mm (16") O.C., RSI 3.87 (R22) INSULATION & APPR, VAPOUR BARRIER WITH APPR, CONTIN, AIR BARRIER, 13mm (1/2") INTERIOR DRYWALL FINISH. PROVIDE WEEP HOLES @ 80mm (32") O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER. REFER TO OBC SB-12, CHAPTER 3 FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS. MASONRY TO BE MIN. 150mm (6") ABOVE FINISH GRADE.

RESERVED

MASONRY VENEER CONSTRUCTION (2"x4")— GARAGE WALLS 90mm (4") MASONRY, 25mm (1") AIR SPACE, 22x180x0.76mm (7/8"x7"x0.03") GALV. METAL TIES @ 400mm (16") O.C. HORIZONTAL 600mm (24") O.C. VERICAL. APPR. SHEATHING PAPER, 9.5mm (3/8") EXT. TYPE SHEATHING, 38x89 (2"x4") STUDS @ 400mm (16") O.C. (MAX. HEIGHT 3000mm 9"-10") WITH APPR. DIAGONAL WALL BRACING. (зв.) PROVIDE WEEP HOLES @ 800mm (32") O.C. BOTTOM COURSE AND OVER OPENINGS, PROVIDE BASE FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER. MASONRY TO BE MIN. 150mm (6") ABOVE FINISH GRADE.

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 EMPLOYS 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 13mm (1/2") EXT. TYPE SHEATHING ON 38x140 (2"x6") STUDS @ 400mm (16") O.C., RSI 3.87(R22) INSULATION, APPROVED VAPOUR BARRIER, 13mm (1/2") GYPSUM WALLBOARD INTERIOR FINISH, REFER TO OBC SB-12, CHAPTER 3 FOR ADDITIONAL THERMAL INSULATION REQUIREMENTS. STUCCO TO BE MIN. 200 (8") ABOVE FINISH GRADE.

INTERIOR STUD PARTITIONS
FOR BEARING PARTITIONS 38x89 (2"x4") @ 400mm (16") O.C. FOR 2
STOREYS AND 300mm (12") O.C. FOR 3 STOREYS, NON-BEARING PARTITIONS 38x89 (2"x4") @ 600mm (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.

FOUNDATION WALL/FOOTINGS:

250mm (10") POURED CONC. FDTN. WALL 20MPa (2900psi) WITH
BITUMENOUS DAMPPROOFING AND DRAINAGE LAYER. DRAINAGE
LAYER REQ'D. WHEN BASEMENT INSUL. EXTENDS 900 (2"-11") BELOW
FIN. GRADE. DRAINAGE LAYER IS NOT REQ'D. WHEN FDTN. WALL IS
WATERPROOFED. MAXIMUM POUR HEIGHT 2820 (9"-3") ON 560x155
(22"x") CONTINUOUS KEYED CONC. FTG. BRACE FDTN. WALL PRIOR
TO BACKELING. ALL FOOTINGS SHALL PESTON MATURAL TO BACKFILLING, ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED ENGINEERED FILL, WITH MIN, BEARING CAPACITY OF 150kPg OR GREATER, IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED FOOTINGS ARE REQUIRED

STOREYS SUPPORTED W/ MASONRY VENEER W/ SIDING ONLY
1 18" WIDE x 6" DEEP 18" WIDE x 6" DEEP 22" WIDE x 6" DEEP 22" WIDE x 6" DEEP 28" WIDE x 9" DEEP 22" WIDE x 6" DEEP -SEE OBC 9.15.3

-MAXIMUM FLOOR LIVE LOAD OF 2.4kPg, (50psf.) PER FLOOR, AND MAX. LENGTH OF SUPPORTED FLOOR JOISTS IS 4.9m (16'-1"). -REFER TO SOILS REPORT FOR SOIL CONDITIONS AND BEARING

STRIP FOOTING SUPPORTING EXTERIOR WALLS (FOR W.O.B.)
-ASSUMING MASONRY VENEER CONSTRUCTION, MAX. FLOOR LIVE LOAD OF 2.4kPa. (SOpsf.) PER FLOOR, AND MAX. LENGTH OF SUPPORTED FLOOR JOISTS IS 4.9m (16'-1"). THE STRIP FOOTING SIZE IS

2 STOREY WITH WALK-OUT BASEMENT 545x175 (22"x7")

FOUNDATION DRAINAGE OBC. 9.14.2. & 9.14.3.
100mm (4") DIA. FOUNDATION DRAINAGE TILE 150mm (6") CRUSHED STONE OVER AND AROUND DRAINAGE TILES. (6.)

BASEMENT SLAB OBC. 9.3.1.6.(1)(b), 9.16.4.5.(1), 9.25.3.3.(15) 80mm (3"]MIN. 25MPa (3600psi) CONC. SLAB ON 100mm (4") COARSE GRANULAR FILL, OR 20MPa. (3000psi) CONC. WITH DAMPPROOFING BELOW SLAB. UNDER SLAB INSULATION PER SB-12. ALL SLAB JOINTS & PENETRATIONS TO BE CAULKED.

EXPOSED FLOOR TO EXTERIOR (SB-12-TABLE 3.1.1.2.A)
PROVIDE RSI 5.46 (R31) INSULATION, APPROVED VAPOUR BARRIER AND CONTINUOUS AIR BARRIER, FINISHED SOFFIT.

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

STAIRS/EXTERIOR STAIRS -OBC. 9.8.-

(PRIVATE STAIRS)
INIFORM RISE -5mm (1/4") MAX BETWEEN ADJACENT TREADS OR LANDINGS
-10mm (3/8") MAX BETWEEN TALLEST & SHORTEST RISE IN FLIGHT

MAX. RISE MIN. RUN MAX. TREAD = 200 (7-7/8") = 255 (10") *(NOSING TO NOSING)* = RUN + 25 (1")

MAX. NOSING = 25 (1") = 1950 (6'-5") MIN. HEADROOM RAIL @ LANDING = 900 (2'-11") RAIL @ STAIR = 865 (2'-10") to 1070 (3'-6")

HTOW STAIR WIDTH = 860 (2'-10") FOR CURVED STAIRS (TAPERED TREADS)
MIN RUN AT INNER RADIUS = 150 (6") MIN. RUN AT INNER RA MIN. RUN AT 300 (12")

HANDRAILS -OBC. 9.8.7.FINISHED RAILING ON PICKETS SPACED MAXIMUM 100mm (4")
BETWEEN PICKETS. CLEARANCE BETWEEN HANDRAIL AND SURFACE (35) 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 1800mm (71"). 1070mm (42") HIGH GUARD IS
REQUIRED WHERE DISTANCE EXCEEDS 1800mm (71").

REQUIRED WHERE DISTANCE EXCEEDS 1800mm (717).

SILL PLATE — OBC. 9.23.7.

38x89 (2"x4") SILL PLATE WITH 13mm (1/2") DIA. ANCHOR BOLTS

200mm (8") LONG, EMBEDDED MIN. 100mm (4") INTO CONC. @

2400mm (7"-10") C.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

**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 (37. THAN 200mm (8") ABOVE THE FINISHED FLOOR & NO CLOSER THAN 50mm (2") OF THE BASEMENT SLAB. RSI3.52ci (R20ci) BLANKET INSULATION TO HAVE APPROVED VAPOUR BARRIER, RECOMMEND DAMPPROOF 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.

BEARING STUD PARTITION

38x89 (2"x4") STUDS @ 400mm (16") O.C. 38x89 (2"x4") SILL PLATE ON DAMPPROOFING 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 350x155 (14"x6") CONC. FOOTING, ADD HORZ. BLOCKING AT MID-HEIGHT IF WALL IS LIBERISHED. WALL IS UNFINISHED.

STEFL BASEMENT COLUMN (SEE O.B.C. 9.15.3.3)
89mm(3-1/2") DIA x 3.0mm(0.118) SINGLE WALL TUBE TYPE 2
ADJUSTABLE STL. COL. W/ MIN. CAPACITY OF 71.2kN (16,000lbs.) AT A MAX. EXTENSION OF 2318mm (7'-7 1/2") CONFORMING TO CAN/CGSB-7.2-94, AND WITH 150x150x9.5 (6'x6'x3/8") STL. PLATE TOP & BOTTOM. 870x870x410 (34"x34"x16") CONC. FOOTING ON UNDISTURBED SOIL OR ENGINEERED FILL CAPABLE OF SUSTAINING A PRESSURE OF 150 Kpg. MINIMUM AND AS PER SOILS REPORT.

STEEL BASEMENT COLUMN (SEE O.B.C. 9.15.3.3) 89mm(3-1/2") DIA x 4.78mm(.188) FIXED STL. COL. WITH 15 89mm(3-1/2") DIA x 4.78mm(.188) FIXED STL COL. WITH 150x150x9.5 (6"x6"x3/8") STL TOP & BOTTOM PLATE ON 1070x1070x460 (42"x42"x18"). CONC. FOOTING ON UNDISTURBED SOIL OR ENGINEERED FILL CAPABLE OF SUSTAINING A PRESSURE OF 150 Kpa. MIN. AND AS PER SOILS REPORT.

STEEL COLUMN 90mm(3-1/2") DIA x 4.78mm(.188) NON-ADJUSTABLE STL, COL, TO BE ON 150x150x9.5 (6'x6'x3)8") STEEL TOP PLATE, & BOTTOM PLATE.

BASE PLATE 120x250x12.5 (4 1/2"x10"x1/2") WITH 2-12mm DIA. x
300mm LONG x50mm HOOK ANCHORS (2-1/2"x12"x2") FIELD WELD COL, TO BASE PLATE.

BEAM POCKET OR 300x150 (12"x6") POURED CONC. NIB WALLS. MIN. BEARING 90mm (3-1/2")

19x64 (1"x3") CONTINUOUS WOOD STRAPPING BOTH SIDES OF STEEL BEAM

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

GARAGE CEILINGS/INTERIOR WALLS
13mm [1/27] GYPSUM BOARD ON WALL AND CEILING BETWEEN
HOUSE AND GARAGE. TAPE AND SEAL ALL JOINTS AIRTIGHT PER
O.B.C. 9.10.9.16. WALLS (R22), CEILINGS (R31), REFER TO SB-12,
TABLE 3.1.1.2.A. FOR REQUIRED THERMAL INSULATION.

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

EXTERIOR STEP
PRECAST CONCRETE STEP OR WOOD STEP WHERE NOT EXPOSED PRECASI CONCRETE STEP OR WOOD STEF WHERE NOT LATE TO WEATHER, MAX. RISE 200mm (7-7/8") MIN. TREAD 250mm (9-1/2"). SEE OBC. 9.8.9.2., 9.8.9.3. & 9.8.10.

DRYER EXHAUST (0BC-6.2.3.8.(7) & 6.2.4.11.)
CAPPED DRYER EXHAUST VENTED TO EXTERIOR. (USE 100mm (4") DIA. SMOOTH WALL VENT PIPE)

INSULATED ATTIC ACCESS (OBC-9.19.2.1. & SB12-3.1.1.8)
ATTIC ACCESS HATCH WITH MIN. DIMENSION OF 545x610mm [2] ATTIC ACCESS HATCH WITH MIN, DIMENSION OF 343X610T1/2'x24") & A MIN, AREA OF 0.32 SQ.M. (3.44 SQ.FT.) WITH WEATHERSTRIPPING. RSI 3.52 (R20) RIGID INSUL, BACKING.

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.

LINEN CLOSET, 4 SHELVES MIN. 350mm (14") DEEP

MECHANICAL EXHAUST FAN, VENTED TO EXTERIOR AS REQUIRED BY

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.

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). RESERVED

BEARING WOOD POST (BASEMENT) (OBC 9.17.4.)
3-38x140 (3-2"x6") BUILT-UP-POST ON METAL BASE SHOE ANCHORED
TO CONC. WITH 12.7 DIA. BOLT, 610x610x300 (24"x24"x12") CONC. FOOTING.

STEPPED FOOTINGS OBC 9.15.3.9.
MIN. HORIZ. STEP = 600mm (24").
MAX. VERT. STEP = 600mm (24")

SLAB ON GRADE

MIN. 100mm (4") CONCRETE SLAB ON GRADE ON 100mm (4")

COARSE GRANULAR FILL. REINFORCED WITH 6x6-W2,9xW2,9 MESH
PLACED NEAR MID-DEPTH OF SLAB. CONC. STRENGTH 32 MPa

(4640 psi) WITH 5-8% AIR ENTRAINMENT ON COMPACTED SUB-GRADE, WHERE REQUIRED, REFER TO OBC SB-12, TABLE

SUB-GRADE. WHERE REQUIRED, REFER TO OBC SB-12, TABLE 3,1.1.2.A. FOR REQUIRED MINIMUM INSULATION UNDER SLAB. DIRECT VENTING GAS FURNACE/ H.W.T VENT DIRECT VENT FURNACE TERMINAL MIN. 900mm (36") ROM A NATURAL 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

SUBFLOOR, JOIST STRAPPING AND BRIDGING
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, I\* 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. & SB-2-2.3.5.(2) 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. OFFENDING GARAGE WALLS INCLUDED.

COLD CELLAR PORCH SLAB (OBC 9.39.)
FOR MAX. 2500mm (8'-2") PORCH DEPTH (SHORTEST DIM.),
125mm (5") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @ 200mm (77/8") O.C. EACH WAY IN BOTTOM THIRD OF SLAB, MIN. 30mm (1 1/4") COVER, 800x600 (23 5/8"23 5/8") 10M DOWELS @ 600mm (23 5/8") O.C., ANCHORED IN PERIMETER FDTN. WALLS, SLOPE SLAB MIN. 1.0% FROM HOUSE WALL, SLAB TO HAVE MIN. 75mm (3") BEARING ON FDTN. WALLS. PROVIDE (L7) LINTEL OVER CELLAR DOOR WITH 100mm (4") END BEARING.

THE FDTN, 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 CONVENTIONAL ROOF FRAMING (2.0Kpg. SNOW LOAD)

38x140 (2"x6") RAFTERS @ 400mm (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") @ 400mm (16") O.C. FOR MAX. 2830mm (9'-3") SPAN & 38x140 (2'x6") @ 400 (16") O.C. FOR MAX. 4450mm (14"-7") SPAN.
RAFTERS FOR BUILT-UP ROOF TO BE 38x89 (2"x4") @ 600mm (24")
O.C. WITH A 38x89 (2"x4") CENTRE POST TO THE TRUSS BELOW, LATERALLY BRACED @ 1800mm (6'-0") O.C. VERTICALLY

**GENERAL NOTES** 

WINDOWS: 1) MINIMUM BEDROOM WINDOW -OBC. 9.9.10.1. HAVE MIN. 0.35m2 UNOBSTRUCTED GLAZED OR OPENABLE AREA WITH MIN. CLEAR WIDTH OF 380 mm (1'-3")

2) WINDOW GUARDS - OBC. 9.8.8.1,16.).
A GUARD IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED LESS THAN 480mm (1'-7') ABOVE FIN. FLOOR AND THE DISTANCE FROM THE FIN. FLOOR TO THE ADJACENT GRADE IS GREATER THAN 1800mm (5'-11")

3) EXTERIOR WINDOWS SHALL COMPLY WITH OBC DIV.-B 9.7.3. & SB12-3.1.1.9

GLASS—STRUCTURAL SUFFICIENCY OF GLASS
 DOOR & WINDOW MANUFACTURER/ SUPPLIER TO PROVIDE
 ADEQUATE INFORMATION TO DEMONSTRATE COMPLIANCE
 WITH OBC DIV.-8 9.6.1.3.

GENERAL; 1) MECHANICAL VENTILATION IS REQUIRED TO COMPLY WITH OBC-DIV. B, 6.2.2. SEE MECHANICAL DRAWINGS.

2) ALL DOWNSPOUTS TO DEAIN AWAY FROM THE BUILDING AS PER OBC 9.26.18.2. & 5.6.2.2.(3) AND MUNICIPAL STANDARDS.

ALL WINDOW WELLS TO DRAIN TO FOOTING LEVEL PER OBC

9.14.6.3. CHECK WITH THE LOCAL AUTHORITY. STUD WALL REINFORCEMENT FOR FUTURE GRAB BARS IN MAIN BATHROOM
REINFORCEMENT OF STUD WALLS SHALL BE INSTALLED

ADJACENT TO WATER CLOSETS AND SHOWER OR BATHTUB IN MAIN BATHROOM. REFER TO OBC. DIV. B- 9.5.2.3 & DETAIL PROVIDED.

5) ALL EXTERIOR DOORS TO COMPLY WITH THERMAL RESISTANCE AS STATED IN O.B.C. SB-12-3.1.1.9.

6) ALL AIR BARRIER SYSTEMS ARE REQUIRED TO COMPLY WITH

O.B.C. DIV.-B 9.25.3. ALL OUTDOOR AIR INTAKES SHALL BE LOCATED SO THAT THEY ARE SEPARATED FROM SOURCES OF CONTAMINATION (EXHAUST VENTS) IN COMPLIANCE WITH O.B.C. DIV.-B 6.2.3.12. AND TABLE 6.2.3.12.

LUMBER: 1) ALL LUMBER SHALL BE SPRUCE NO.2 GRADE, UNLESS NOTED

> 2) STUDS SHALL BE STUD GRADE SPRUCE, UNLESS NOTED

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

ALL LAMINATED VENEER LUMBER (L.V.L.) BEAMS, GIRDER TRUSSES, AND METAL HANGER CONNECTIONS SUPPORTING ROOF FRAMING TO BE DESIGNED & CERTIFIED BY TRUSS

MANUFACTURER. MANUFACIUKEK.

LVL BEAMS SHALL BE 2.0E-2950Fb MIN.. NAIL EACH PLY OF LVL
WITH 89mm (3 1/2") LONG COMMON WIRE NAILS @ 300mm
(12") O.C. STAGGERED IN 2 ROWS FOR 184, 240 & 300mm (7
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, GALVANIZED BOLTS BOLTED AT MID-DEPTH OF BEAM @

915mm (3'-0") O.C. PROVIDE FACE MOUNT BEAM HANGERS TYPE "SCL" MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL FOR ALL LVL BEAM TO BEAM CONNECTIONS UNLESS OTHERWISE NOTED. REFER TO ENG. FLOOR LAYOUTS

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

WOUD MEMBERS.
WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE, IN CONTACT WITH CONCRETE, SHALL BE SEPARATED FROM THE CONCRETE BY AT LEAST 2 m.], POLYETHYLENE FILM, No. 50 (45lbs.), ROLL ROOFING OR OTHER DAMPPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 150mm (6") ABOVE THE GROUND. 1) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21

STEEL: STRUCTURAL SIEEL STALL COUNTOWN TO CANYUSA-U-49-, GRADE 350W. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO CSA-G40,21 GRADE 350W CLASS 'H "STRUCTURAL QUALITY STEEL", OBC. B-9.23.4.3. REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

GRADIE 400K.

ALL STUCCO WALLS TO HAVE A MINIMUM 10mm AIR SPACE
BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE
EXTERIOR. THE EXTERIOR SHEATHING MUST NOT BE GYPSUM
BASED, ALL STUCCO TO BE INSTALLED AS PER MANUFACTURERS
SPECIFICATIONS. STUCCO: 1)

0

EXHAUST FAN TO EXTERIOR

GFI DUPLEX OUTLET (HEIGHT A.F.F)

HEAVY DUTY OUTLET

LIGHT FIXTURE (CEILING MOUNTED)

PRESSURE TREATED LUMBER

LIGHT FIXTURE (WALL MOUNTED)

DUPLEX OUTLET (HEIGHT A.F.F)

(220 volt)

→ ♦ HOSE BIB (NON-FREEZE)

LEGEND CLASS 'B' VENT

DUPLEX OUTLET (12" ABOVE SURFACE) WEATHERPROOF DUPLEX OUTLET POT LIGHT

LIGHT FIXTURE (PULL CHAIN) Д« SWITCH

√ FLOOR DRAIN `**®** SINGLE JOIST TJ TRIPLE JOIST

DOUBLE JOIST LVL

GIRDER TRUSS BY ROOF TRUSS MANUF. LAMINATED VENEER POINT LOAD FROM ABOVE

F.A. CURVED ARCH M.C. MEDICINE CABINET

(RECESSED)

DOUBLE VOLUME
WALL SEE NOTE 39 CONCRETE
BLOCK WALL SOLID WOOD BEARING (SPRUCE No. 2).
SOLID BEARING TO BE AS WIDE AS
SUPPORTED MEMBER OR AS DIRECTED BY
STRUCTURAL ENGINEER.
SOLID BEARING TO BE MINIMUM 2 PIECES.

SOLID WOOD BEARING TO MATCH FROM ABOVE SOIL GAS/ RADON CONTROL (OBC 9.1.1.7. & 9.13.4.)

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

AND REPORT ANY DISCREPANCY TO VA3 DESIGN BEFORE PROCEEDING WITH THE WORK, ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF VA3 DESIGN WHICH IF REQUESTED, MUST BE RETURNED AT THE COMPLETION OF THE WORK, ALL DRAWINGS TO BE USED FOR CONSTRUCTION ONLY AFTER BUILDING PERMIT HAS BEEN ISSUED.

TWO STOREY VOLUME SPACES
FOR A MAXIMUM 5490 mm (18°-0") HEIGHT AND MAXIMUM SUPPORTED ROOF TRUSS LENGTH OF 6.0m, PROVIDE 2-38x140 (2-2"x6") SPR. #2 CONTIN. STUDS @ 300mm (12")
O.C. (TRIPLE UP AT EVERY THIRD DOUBLE STUD FOR BRICK WALLS) C/W 9.6 (3/8") THICK EXT. PLYWOOD SHEATHING. PROVIDE SOLID WOOD BLOCKING BETWEEN WOOD STUDS @ 1220 mm (4-0") O.C. VERTICALLY. -FOR WALLS WITH HORIZ. DISTANCES NOT EXCEEDING 2900 mm (9'-6"), PROVIDE 38/140 (2''x6") STUDS @ 400 (16") O.C. WITH CONTINUOUS 2-38x140 (2-2"x6")TOP PLATES + 1-38x140 (1-2'x6') BOTTOM PLATE & MINIMUM OF 3-38x184 (3-2'x8')
CONT. HEADER AT GRND. CEILING LEVEL TOE-NAILED &
GLUED AT TOP, BOTTOM PLATES AND HEADERS.

40 TYPICAL 1 HOUR RATED PARTY WALL. REFER TO DETAILS FOR TYPE AND SPECIFICATIONS.

FOUNDATION WALL (W.O.D./W.O.B.)
WHERE CRADETO TYPE TO THE TOTAL STREET WHERE GRADE TO T/O BASEMENT SLAB EXCEEDS 1200mm (3'-11") A 250mm (10") WIDE FOUNDATION WALL IS REQUIRED.

EXTERIOR WALLS FOR WALK-OUT CONDITIONS THE EXTERIOR BASEMENT STUD WALL TO BE 38x140 (2'x6") STUDS @ 400mm (16") o.c. <u>OR</u> 38x89 (2"x4") STUDS @ 300mm

DRAIN WATER HEAT RECOVERY UNIT (DWHR) PER SB12—3.1.1.12., A DRAIN WATER HEAT RECOVERY (DWHR)
UNIT SHALL BE INSTALLED IN EACH DWELLING UNIT TO RECEIVE
DRAIN WATER FROM ALL SHOWERS OR FROM AT LEAST TWO
SHOWERS WHERE THERE ARE TWO OR MORE SHOWERS IN THE
DWELLING UNIT. DDES NOT APPLY IF THERE ARE NO SHOWERS
OR NO STOREY BENEATH ANY OF THE SHOWERS.

ONT. REG. 332/12-2012 OBC ONT. REG. 332/12-2012 S. Amendment O. Reg. 88/19 WOOD LINTELS AND BUILT-UP WOOD BEAMS

2/38 × 184 (2/2" × 8") SPR.#2 3/38 × 184 (3/2" × 8") SPR.#2 4/38 × 184 (4/2" × 8") SPR.#2 5/38 × 184 (5/2" × 8") SPR.#2 2/38 × 235 (2/2" × 10") SPR.#2 3/38 × 235 (3/2" × 10") SPR.#2 4/38 × 235 (4/2" × 10") SPR.#2 2/38 × 286 (2/2" × 12") SPR.#2 3/38 × 286 (3/2" × 12") SPR.#2 4/38 × 286 (4/2" × 12") SPR.#2

LOOSE STEEL LINTELS

89 x 89 x 6.4L (3-11/2" x 3-1/2" x 1/4"L) 89 x 89 x 7.9L (3-1/2" x 3-1/2" x 5/16"L) 102 x 89 x 7.9L (4" x 3-1/2" x 5/16"L) 127 x 89 x 7.9L (5" x 3-1/2" x 5/16"L) 152 x 89 x 10.0L (6" x 3-1/2" x 3/8"L) 152 x 102 x 11.0L (6"x 4" x 7/16"L) 178 x 102 x 13.0L (7"x 4" x 1/2"L)

LAMINATED VENEER LUMBER (LVL) BEAMS LVL1A 1-1 3/4"x7 1/4" (1-45x184) LVL1 2-1 3/4"x7 1/4" (2-45x184) LVL2 3-1 3/4"x7 1/4" (3-45x184)

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 1/2" (1-45x240) LVL5 3-1 3/4"x9 1/2" (2-45x240) LVL5 3-1 3/4"x9 1/2" (3-45x240) LVL5A 4-1 3/4"x9 1/2" (4-45x240) LVL6A 1-1 3/4"x11 7/8" (1-45x300) LVL6 2-1 3/4"x11 7/8" (3-45x300) LVL7 3-1 3/4"x11 7/8" (3-45x300) LVL8 4-1 3/4"x11 7/8" (4-45x300)

DOOR SCHEDULE

**EXTERIOR** 2'-8" WIDE 1) DOOR INSULATED MIN. RSI 0.7 (R4) 2'-10" WIDE INSULATED MIN. RSI 0.7 (R4) (1A) DOOR EXTERIOR 3'-0" WIDE

(1B) INSULATED MIN. RSI 0.7 (R4) 3'-2" WIDE INSULATED MIN. RSI 0.7 (R4) EXTERIOR (1C) DOOR

(2A) EXTERIOR 2'-8" wide 20 MIN. RATED DOOR AND FRAME, WITH APPROVED SELF CLOSING DEVICE. INSULATED MIN. RSI 0.7 (R4

2'-8" WIDE 2. INTERIOR

2'-8" WIDE INTERIOR DOOR (2B) (COLD CELLAR) (WEATHERSTRIPPING INSTALLED) (2C) INTERIOR 3'-0" WIDE DOOR 2'-6" WIDE

3.) INTERIOR DOOR INTERIOR 2'-4" WIDE (3A) INTER DOOR

4. INTERIOR DOOR INTERIOR 2'-2" WIDE (4A) INTERI

INTERIOR 1'-6" WIDE (5.) REFER TO ARCHITECTURAL DRAWINGS FOR

DOOR HEIGHTS MECHANICAL SYMBOLS

--0 HEAT PIPE WARM AIR RETURN AIR DUCT PLUMBING (TOILET) SINK, SHOWER) SMOKE ALARM (REFER TO OBC 9.10.19)

•

PROVIDE 1 PER FLOOR, NEAR THE STAIRS CONNECTING THE FLOOR LEVEL AND ALSO 1 IN EACH BEDROOM NEAR HALL DOOR. ALARMS **■** 51 TO BE CONNECTED TO AN ELECTRICAL CIRCUIT AND INTERCONNECTED TO ACTIVATE ALL ALARMS IF 1 SOUNDS.
BATTERY BACK-UP REQUIRED, SMOKE ALARMS TO INCORPORATE VISUAL SIGNALLING COMPONENT (9.10.19.3.(3)).

CARBON MONOXIDE ALARMS (OBC 9.33.4.)
WHERE A FUEL-BURNING APPLIANCE IS INSTALLED IN A DWELLING
UNIT, A CARBON MONOXIDE ALARM CONFORMING TO
CAN./CSA-6.19 OR UL2034 SHALL BE INSTALLED ADJACENT TO EACH SLEEPING AREA CARBON MONOXIDE DETECTOR(S) SHALL BE PERMANENTLY WIRED SO THAT ITS ACTIVATION WILL ACTIVATE ALL CARBON MONOXIDE DETECTORS AND BE EQUIPPED WITH AN ALARM THAT IS AUDIBLE WITHIN BEDROOMS WHEN THE

INTERVENING DOORS ARE CLOSED. REFER TO MANUFACTURER FOR ADDDITIONAL REQUIREMENTS. SOIL GAS/ RADON CONTROL (OBC 9.1.1.7. & 9.13.4.)
PROVIDE CONSTRUCTION TO PREVENT LEAKAGE OF SOIL GAS ITHE BUILDING IF REQUIRED.

REFER TO UNIT DRAWINGS OR PAGE CN-2 FOR SB-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.

13045

5 REVISED AS PER ENG'S COMMETNS 24-02-09 JAN 11-22 UPDATE TO 2022 3 UPDATE TO 2020 FEB 24-20 RC 2 UPDATE TO 2018 JAN 11-18 RC 1 ISSUE FOR CLIENT REVIEW AUG 04-17 RC . description

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Drawings are not to be scaled.

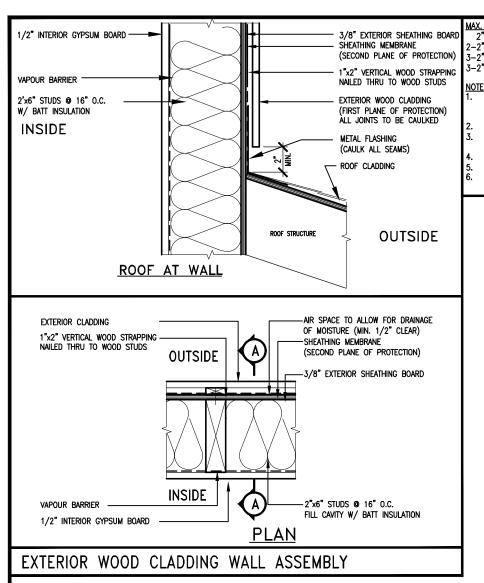
42658 Contractor must verify all dimensions on the job and report any discrepancy to the Designer before proceeding with the work. All drawings and specifications are instruments of service and the property of the Designer which must be returned at the completion of the work. 255 416.630.2255 f 416.630.4782

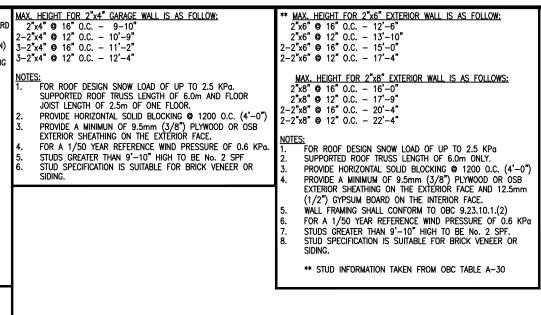


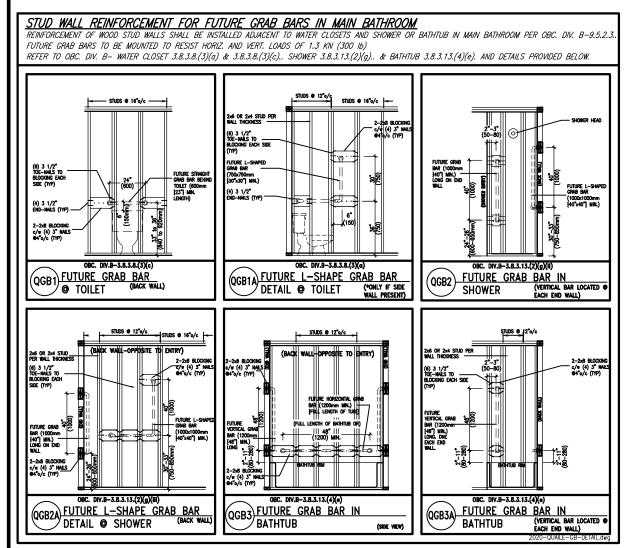
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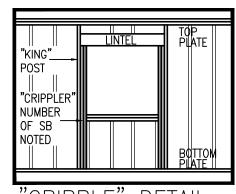


CONSTRUCTION NOTES MAY 2016 3/16" = 1'-0" 13045-CN-2022-A1-REV1 E:\ARCHIVE\WORKING\2013\13045.BW\units\CONSTRUCTION NOTES\VER 2023\13045









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1	ISSUE FOR CLIENT REVIEW	AUG 04-17	RC	dr of
no.	description	date	by	Dr

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 Wellington Ino-Baptiste L. 180571376 egistration information /A3 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.



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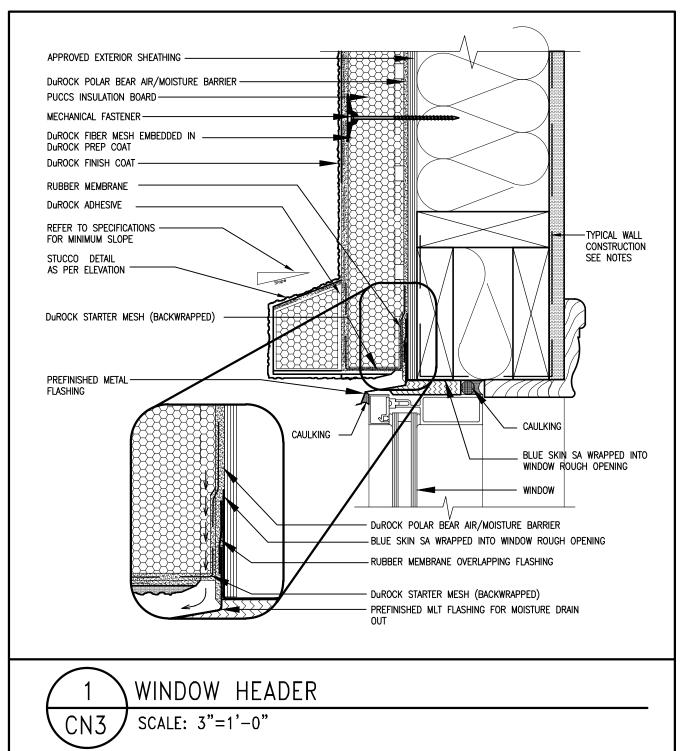
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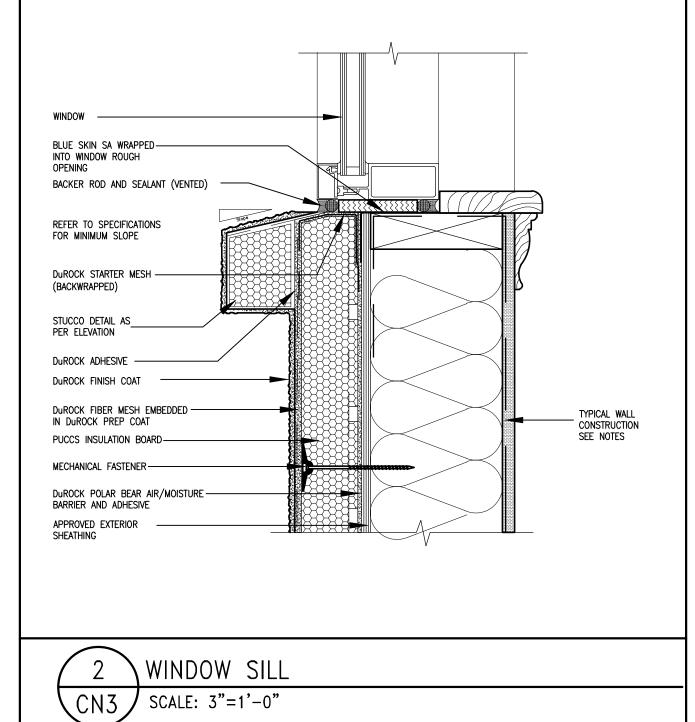


CONSTRUCTION NOTES MAY 2016 3/16" = 1'-0"

13045

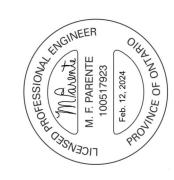
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ALL STUCCO WALLS TO HAVE A MINIMUM 10mm AIR SPACE BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR. THE EXTERIOR SHEATHING MUST NOT BE GYPSUM BASED. ALL STUCCO TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.

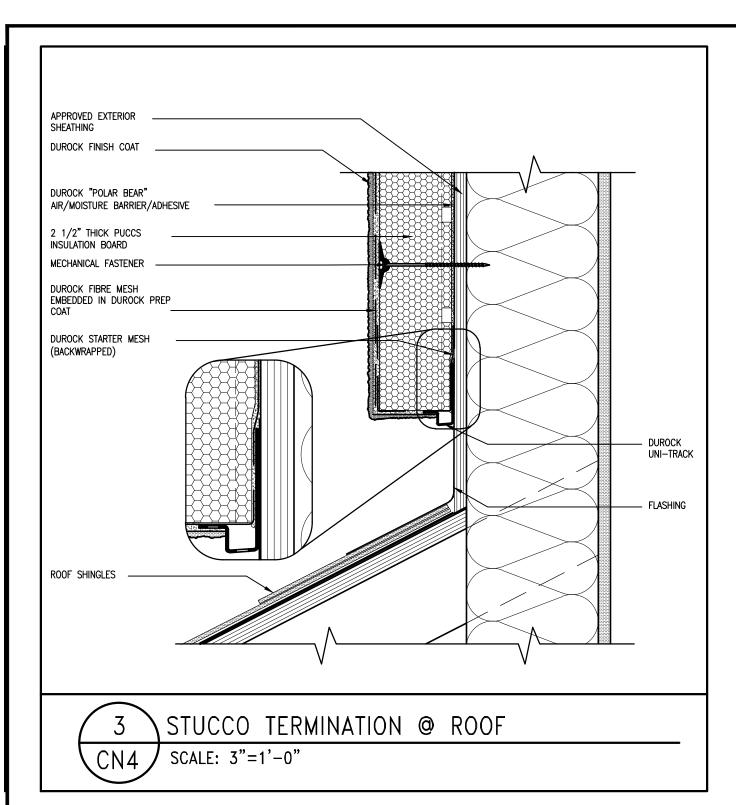
DETAILS ARE BASED ON DUROCK PUCCS SYSTEM



		A DAVNEW WELLINGTON			Diploid name	I GREEN VALLET ESTATES		255 Consumers Rd Suite 120 MAI 2010 Toronto ON M21 184 drawn hv sonle	4782 RC – 3/16*	Va3design.com	All densiting enactifications soluted documents and design are the consistent recently of VA3 DECIEN Beaucidualism of this arments in whole or in
The conditional law confirmed and Labor account of the late.	The undersigned has reviewed and takes responsibility for this design	and nas the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.	qualification information	Wellington Jno-Baptiste 1/1/50/12376 25591	name BCIN	registration information	TAS Design mic.	Constructor must verify all dimensions on the job and report any 255 Consumers discrepancy to the Designer before proceeding with the work. All	operty t		inler socializations and IA
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NOTE

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2 1/2" THICK PUCCS AIR/MOISTURE INSULATION BOARD BARRIER/ADHESIVE DUROCK FIBRE MESH EMBEDDED IN DUROCK PREP COAT DUROCK FINISH COAT MECHANICAL FASTENER DUROCK STARTER MESH (BACKWRAPPED) FIBRE MESH TAPE AT BACKER ROD AND SEALANT (VENTED) DUROCK STARTER MESH (BACKWRAPPED) TAIOL --DUROCK STARTER MESH (BACKWRAPPED) -DUROCK POLAR BEAR AIR/MOISTURE BARRIER/ADHESIVE PUCCS INSULATION BOARD APPROVED EXTERIOR SHEATHING HORIZONTAL EXPANSION JOINT SCALE: 3"=1'-0"

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

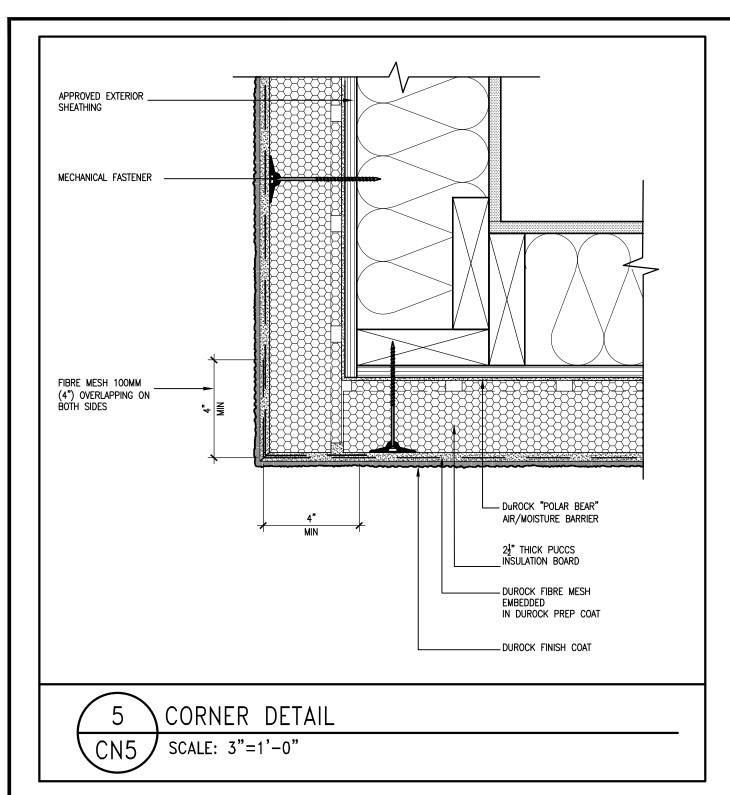
DETAILS ARE BASED ON DUROCK PUCCS SYSTEM



24-JAN JAN AUG

CONST NOTE

DUROCK "POLAR BEAR"



APPROVED EXTERIOR SHEATHING DuROCK "POLAR BEAR" AIR/MOISTURE BARRIER PUCCS INSULATION BOARD MECHANICAL FASTENER Durock Finish Coat Durock Fiber Mesh EMBEDDED IN DUROCK PREP COAT TRANSITION MEMBRANE. Durock Starter Mesh EXTEND MEMBRANE 6"
ABOVE AND BELOW (BACKWRAPPED) SILL. ENSURE TRANSITION MEMBRANE IS OVER BUILDING BACKER ROD AND SEALANT (VENTED) FLASHING PRECAST SILL ON GROUT WEPPHOLES @ 32"(800) O.C. -BUILDING PAPER MASONRY PLINTH CONNECTION 6 STUCCO SCALE: 3"=1'-0"

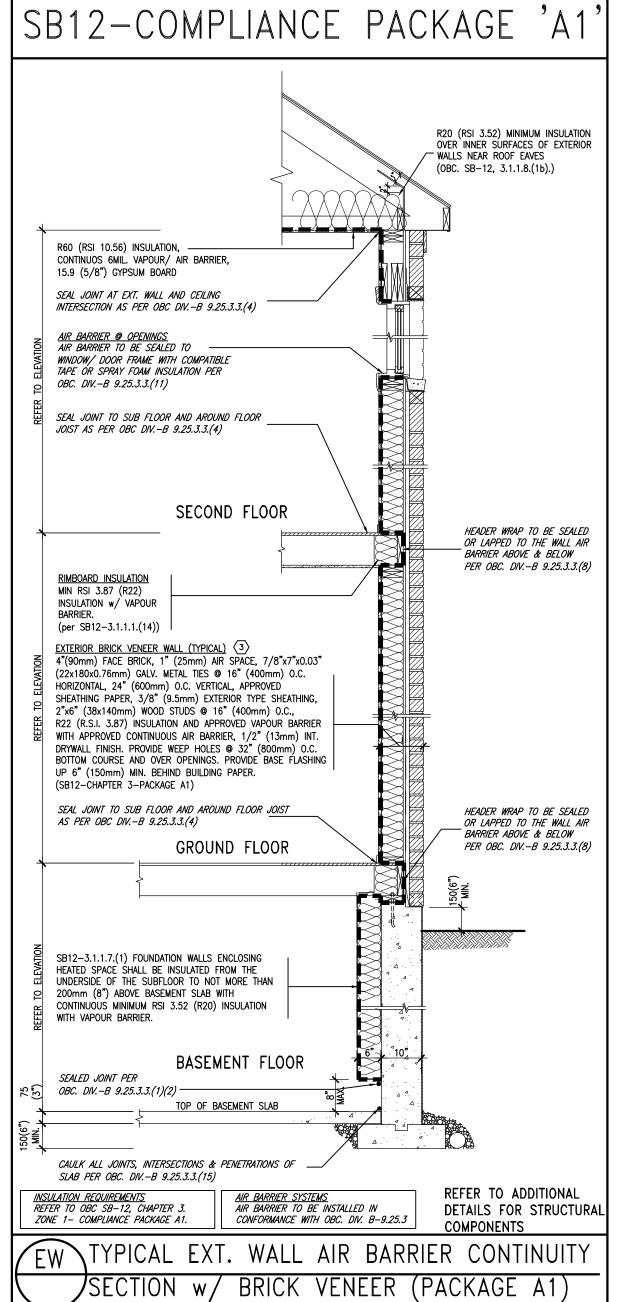
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DETAILS ARE BASED ON DUROCK PUCCS SYSTEM



24-JAN JAN AUG

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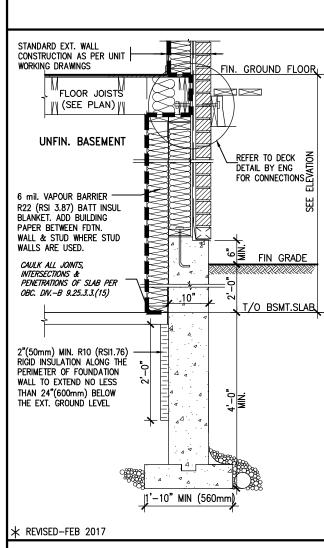


10" FOUNDATION WALL

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:				
Ceiling with Attic Space Minimum RSI (R) value	10.56 (R60)	R20 at inner face of exterior walls				
Ceiling without Attic Space Minimum RSI (R) value	5.46 (R31)	BATT or SPRAY				
Exposed FLoor Minimum RSI (R) value	5.46 (R31)	BATT or SPRAY				
Walls Above Grade Minimum RSI (R) value	3.87 (R22)	6" R22 BATT				
Basement Walls Minimum RSI (R) value	3.52ci (R20ci)	OPTION TO USE R12+R10ci.				
Edge of Below Grade Slab ≤600mm below grade Minimum RSI (R) value	1.76 (R10)	RIGID INSUL				
Windows & Sliding glass Doors Maximum U—value	1.6					
Skylights Maximum U-value	2.8U					
Space Heating Equipment Minimum AFUE	96% Min.	NATURAL GAS				
Hot Water Heater Minimum EF	0.8	NATURAL GAS				
HRV Minimum Efficiency	75%	_				
Drain Water Heat Recovery Unit (DWHR)	Minimum 1 OR Maximum 2 Required. Dependent on number of showers installed. Refer to SB12—3.1.1.12 for information					
ci— Denotes Continuous Insu	ılation withou	t framing interruption.				

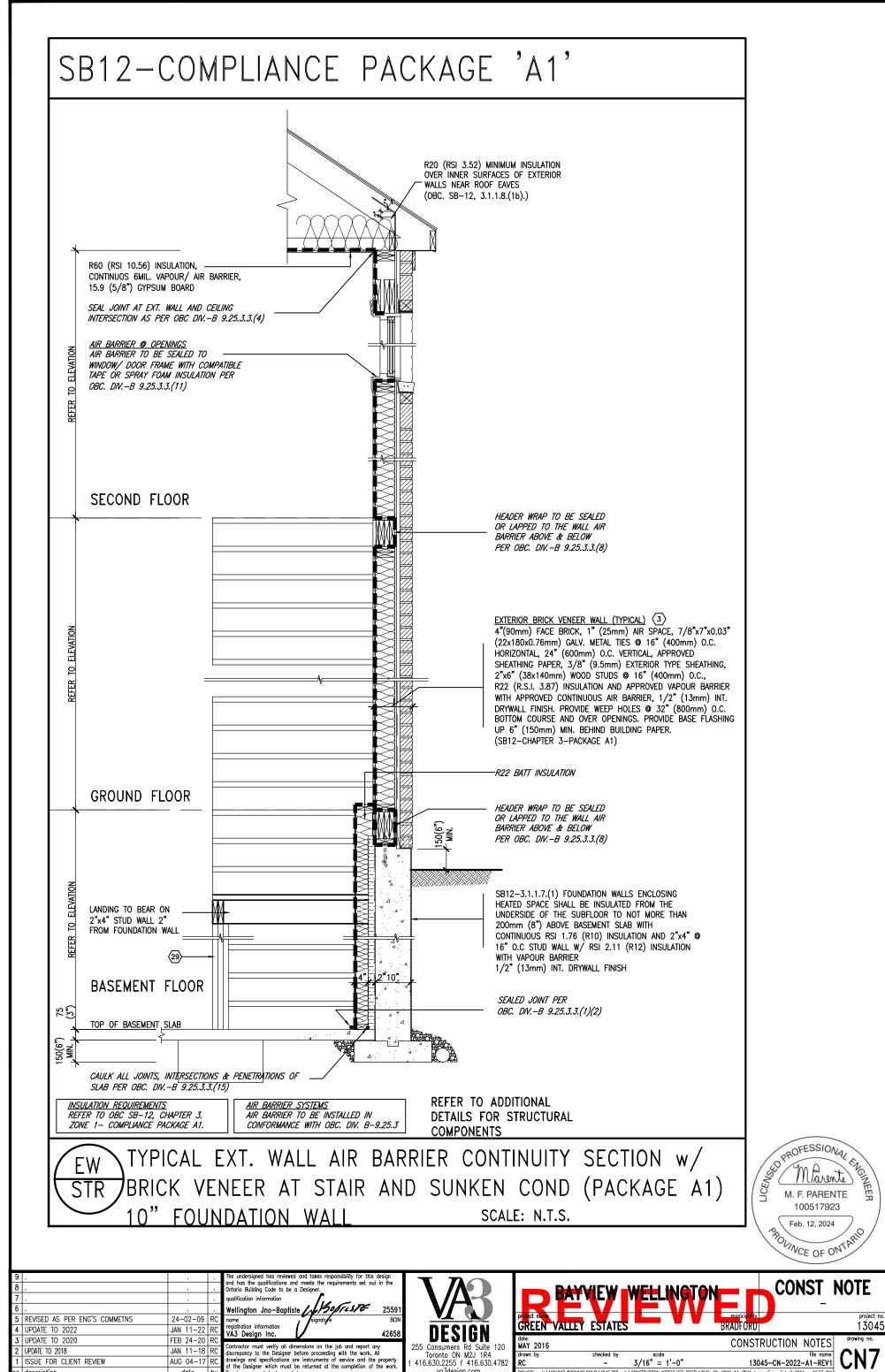




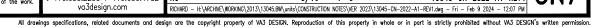
SECTION AT W.O.D/W.O.B.

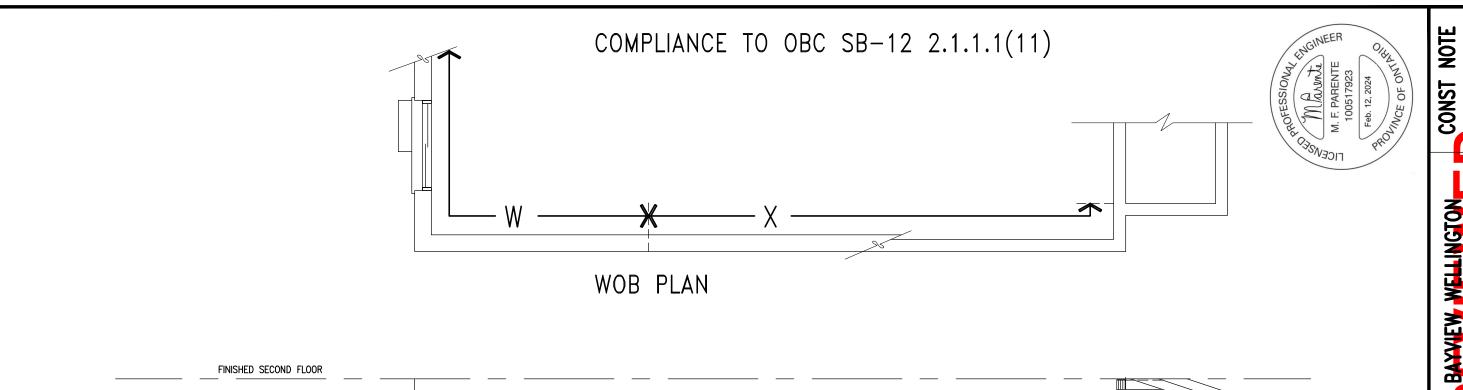
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2	UPDATE TO 2020 UPDATE TO 2018	FEB 24-20 F	C Contractor must verify all dime	ensions on the job and report any efore proceeding with the work. All e instruments of service and the property	255 Consumers Rd Suite 120 Toronto ON M2J 1R4	date MAY 2016 drawn by checked		CONSTRUCTION NOTES	
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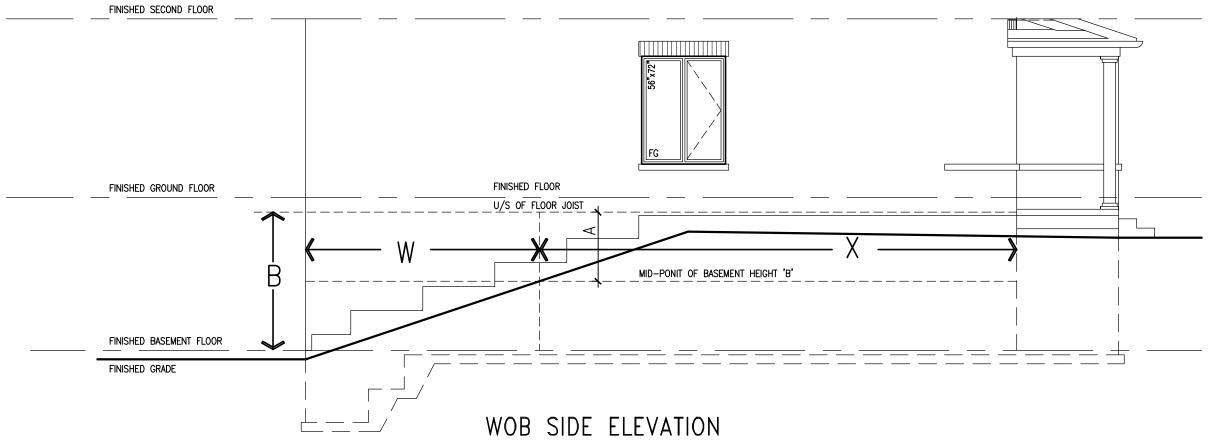
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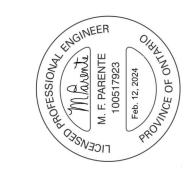


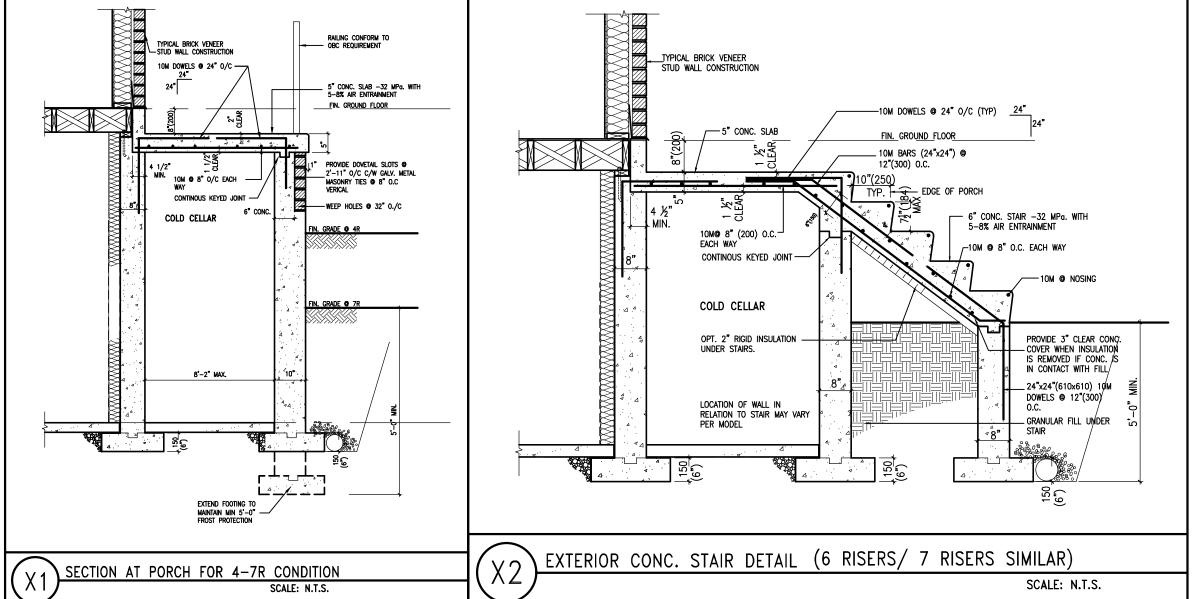
WHEN EXPOSED WALL "A" IS GREATER THAN 50% OF BASEMENT WALL HEIGHT "B" INSULATION VALUE FOR WALL IN SECTION "W" IS NOT LESS THAN IS REQUIRED FOR ABOVE GRADE WALL AS REQUIRED BY TABLE 2.1.1.2A

WHEN EXPOSED WALL "A" IS LESS THAN 50%
OF BASEMENT WALL HEIGHT "B"
INSULATION VALUE FOR WALL IN SECTION "X"
IS NOT LESS THAN BASEMENT WALL AS
REQUIRED BY TABLE 2.1.1.2A

DESIGN
Toronto ON M2J 184
t 416.630.2255 f 416.630.4782
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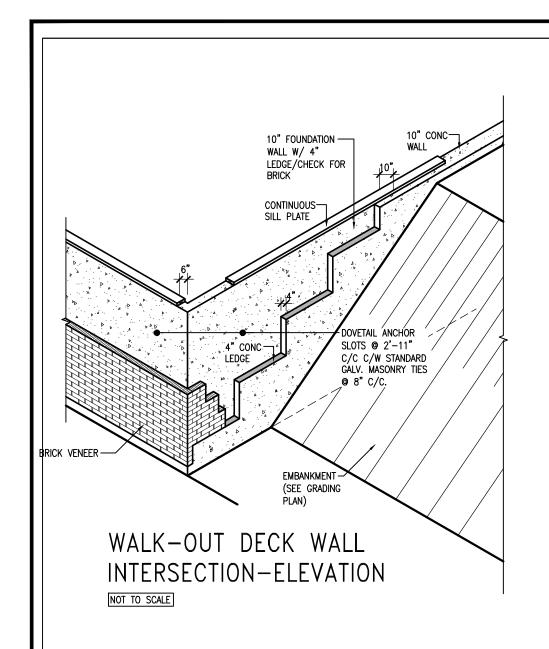




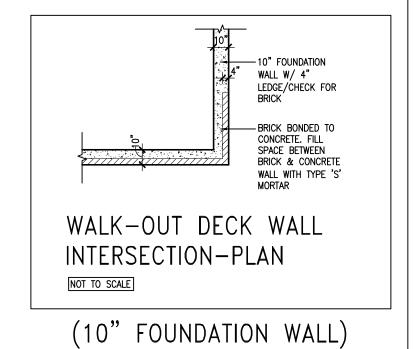
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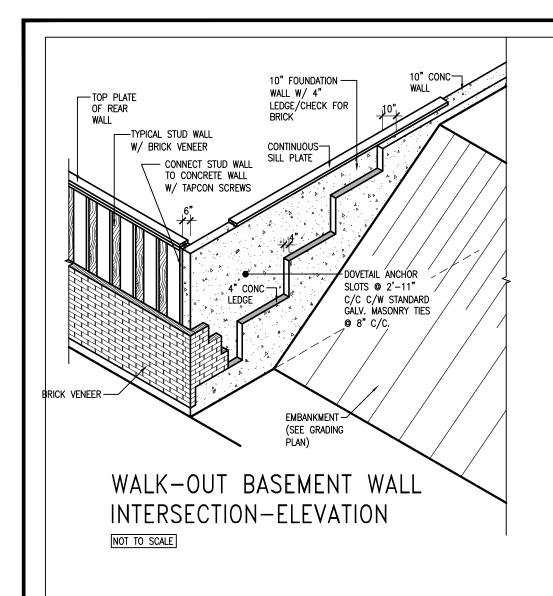


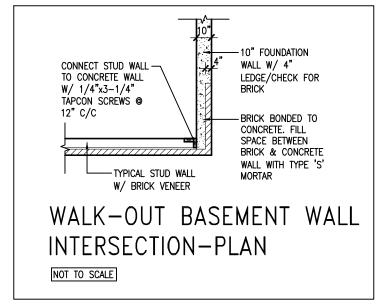
10" CONC 10" FOUNDATION WALL WALL W/ 4" -TOP PLATE OF REAR LEDGE/CHECK FOR BRICK -TYPICAL STUD WALL CONTINUOUS-SILL PLATE CONNECT STUD WALL TO CONCRETE WALL W/ TAPCON SCREWS CONNECT STUD WALL TO CONCRETE WALL W/ 1/4"x3-1/4" 10" FOUNDATION . 4" CONC LEDGE TAPCON SCREWS @ WALL W/ 4" LEDGE/CHECK FOR BRICK 12" C/C 10" FOUNDATION WALL MAX 4'-7" DOVETAIL ANCHOR BRICK BONDED TO CONCRETE. FILL SLOTS @ 2'-11" FROM FIN GRADE TO C/C C/W STANDARD
FIN GRADE GALV MASONRY TIES

8 C/C.
FMF BASEMENT SLAB SPACE BETWEEN BRICK VENEER BRICK & CONCRETE EMBANKMENT -(SEE GRADING WALL WITH TYPE 'S' TYPICAL STUD WALL W/ BRICK VENEER PLAN) 10" CONC BASEMENT FLOOR WALK-OUT BASEMENT WALL BASEMENT FLOOR INTERSECTION-PLAN NOT TO SCALE WALK-OUT DECK WALL (10" FOUNDATION WALL) INTERSECTION-ELEVATION MAX 4'-7" BACKFILL

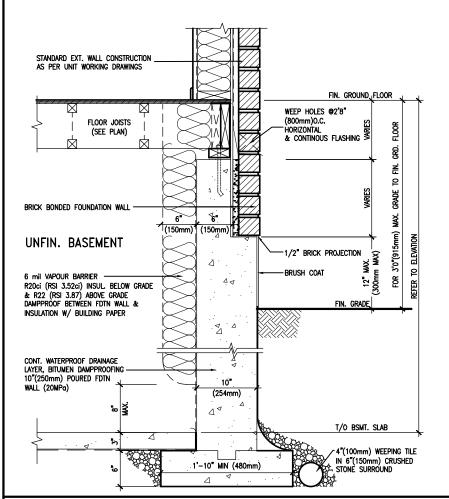


9   . 8   . 7   .		The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a Designer.  qualification information  Wellington Jno-Baptiste	VAR	BAYVIEW WELLINGTON	CONST_ NOTE
5 REVISED AS PER ENG'S COMMETNS 4 UPDATE TO 2022	24-02-09 RC JAN 11-22 RC	name signature BCIN registration information VA3 Design Inc. 42658	DECION		ADFORD 13045
3 UPDATE TO 2020 2 UPDATE TO 2018 1 ISSUE FOR CLIENT REVIEW	FEB 24-20 RC  JAN 11-18 RC  AUG 04-17 RC	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.	255 Consumers Rd Suite 120 Toronto ON M2J 1R4 t 416.630.2255 f 416.630.4782	dote   MAY   2016	CONSTRUCTION NOTES  file name  13045-CN-2022-A1-REY1
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(10" FOUNDATION WALL)



-Standard ext. Wall construction as per unit working drawings FIN. GROUND FLOOR (SEE PLAN) 2"X6"(38mmX140mm) WOOD STUDS @ 12"(300mm) WEEP HOLES @ 2'8" (800mm)O.C. HORIZONTAL & CONTINOUS FLASHING UNFIN. BASEMENT CONT. WATERPROOF DRAINAGE LAYER, BITUMEN DAMPPROOFING 10"(250mm) POURED CONC. FDTN 6 mil VAPOUR BARRIER R20ci (RSI 3.52ci) INSUL. BELOW GRADE WALL (20MPa) & R22ci (RSI 3.87ci) ABOVE GRADE DAMPPROOF BETWEEN FDTN WALL & INSULATION W/ BUILDING PAPER 10" 4 -1/2" BRICK PROJECTION (254mm) . ₩ T/O BSMT. SLAB 4"(100mm) WEEPING TILE IN 6"(150mm) CRUSHED STONE SURROUND 1'-10" MIN (480mm)

EW3.06x PKG A1

WALL SECTION FOR GRADE TO FIN. FLOOR MORE THAN 4'7" (1400mm) HEIGHT DIFFERENCE SCALE: N.T.S.

EW3.07x PKG A1 WALL SECTION FOR GRADE TO BASEMENT SLAB 4'7"(1400mm)
MAX. HEIGHT DIFFERENCE
SCALE: N.T.S.



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qualification information

Wellington Jno-Baptiste

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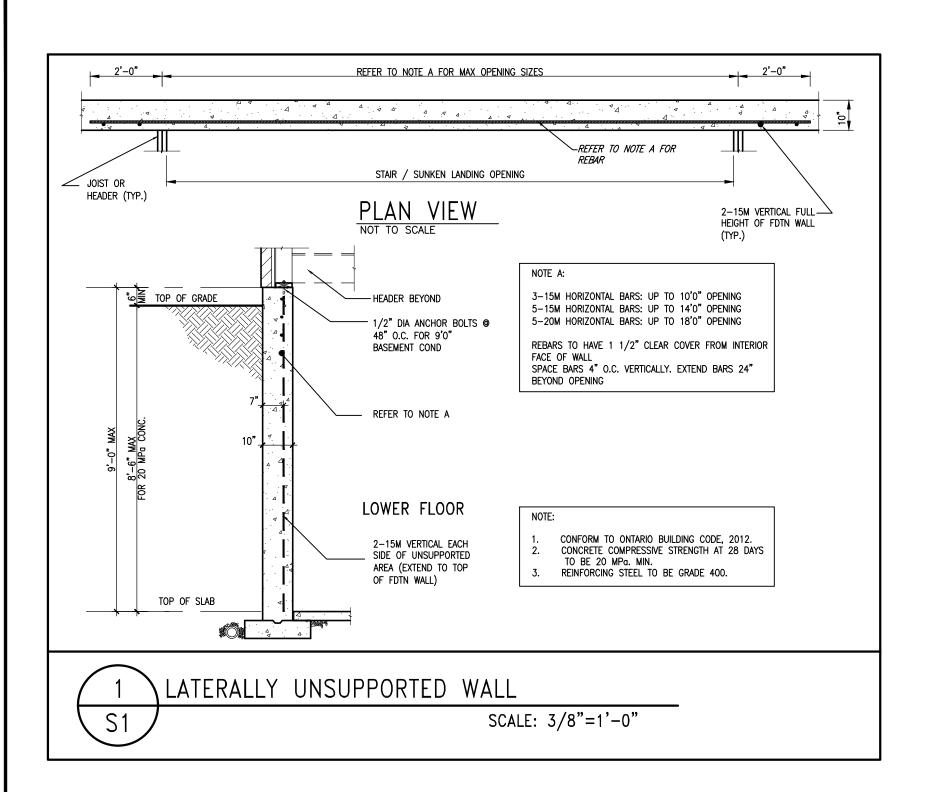


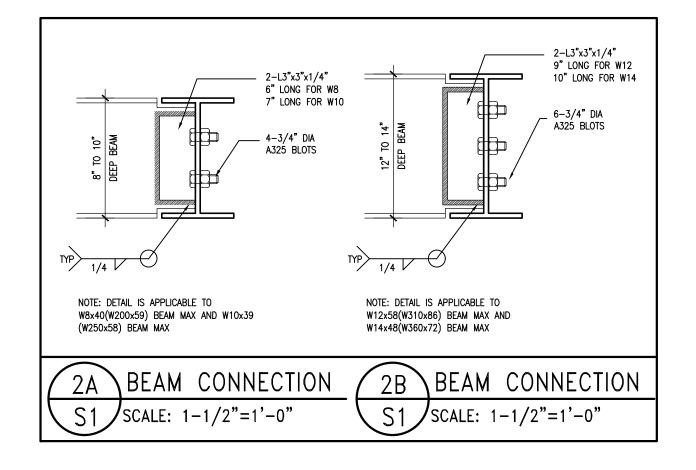


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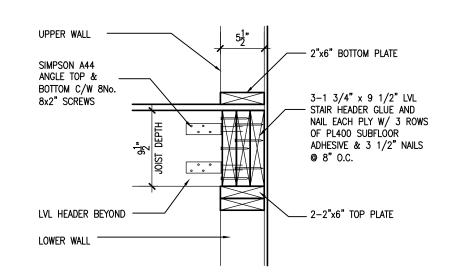
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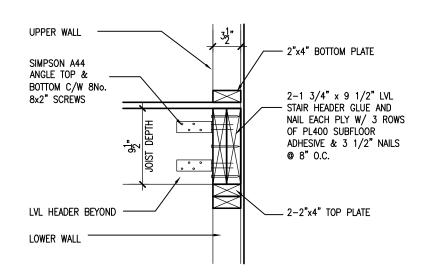






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			Wellington Jno-Baptiste	25591 Se BCIN 42658	DESIGN	project name GREEN VALLEY ESTATES	municipalit BRADF ORT	project no. 13045
_	UPDATE TO 2020 UPDATE TO 2018	FEB 24-20 R	Contractor must verify all dimensions on the	the job and report any	255 Consumers Rd Suite 120	date MAY 2016 drawn by checked by	CONS	TRUCTION NOTES  file name  drawing no.
_	ISSUE FOR CLIENT REVIEW  b. description	AUG 04—17 R date b	drawings and specifications are instruments of the Designer which must be returned at Drawings are not to be scaled.	ts of service and the property at the completion of the work.	t 416.630.2255 f 416.630.4782	RC –	3/16" = 1'-0" 13 ts\construction notes\ver 2023\13045-cn-2022-a1-Rev1.d	3045-CN-2022-A1-REV1 wg - Fri - Feb 9 2024 - 12:07 PM



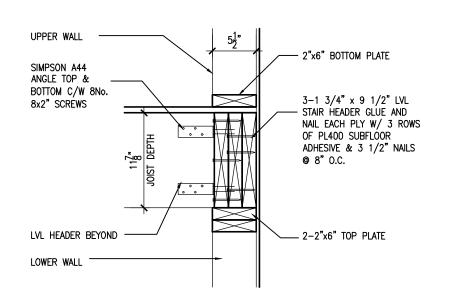


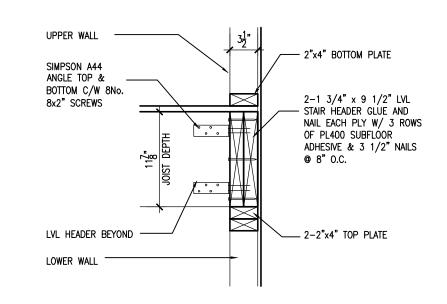
STAIR HEADER @ EXTERIOR WALL

SCALE: 1"=1'0"

STAIR HEADER @ PARTY WALL **1**A

SCALE: 1"=1'0"



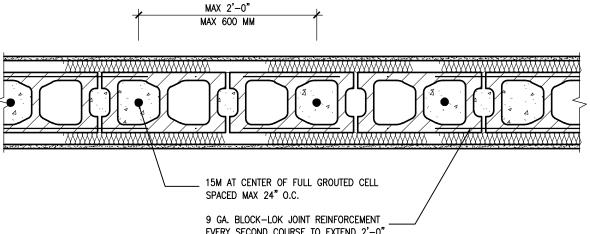


STAIR HEADER @ EXTERIOR WALL

SCALE: 1"=1'0"

STAIR HEADER @ PARTY WALL 2A

SCALE: 1"=1'0"



EVERY SECOND COURSE TO EXTEND 2'-0"

NOTES:

- 1. REINFORCING STEEL TO CONFORM TO CSA G30.18, GRADE 400
- GROUT TO HAVE COMPRESSIVE STRENGTH OF 20MPa AT 20 DAYS WITH A 10" SLUMP

3. LAT VERTICAL BARS 30" AT ANY SPLICES

PLAN VIEW REINF. BLOCK WALL @ STAIR OPENING SCALE: 1"=1'0"



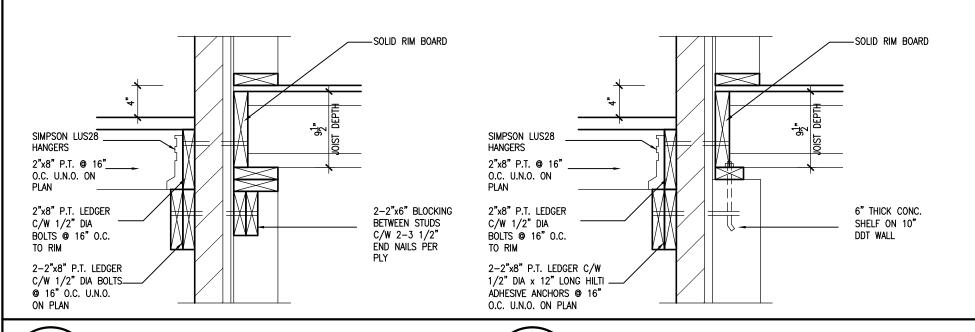
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jualification information Wellington Jno-Baptiste LA VSOFTESTE 25591

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



MAY 2016 CONSTRUCTION NOTES 3/16" = 1'-0" 13045-CN-2022-A1-REV1 13045



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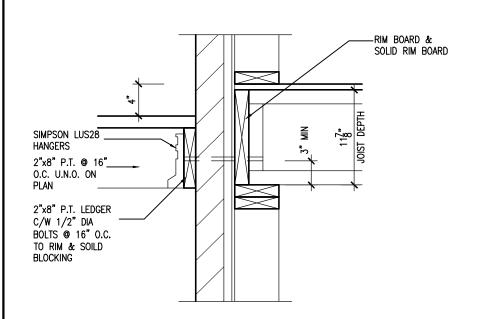
DECK FASTENING DETAIL

SCALE: 1"=1'0"

1B

DECK FASTENING DETAIL

SCALE: 1"=1'0" **S**3



RIM BOARD & SOLID RIM BOARD SIMPSON LUS28  $1'-2\frac{1}{4}"$ HANGERS JOIST 2"x8" P.T. @ 16" O.C. U.N.O. ON PLAN 2"x8" P.T. LEDGER C/W 1/2" DIA ||BOLTS @ 16" O.C. П TO RIM AND SOLID 6" THICK CONC. BLOCKING SHELF ON 10" DDT WALL

NOTES:

- WHERE BACKFILL HEIGHT < 4'-7", PROVIDE 2"x6" @ 16" O.C. KNEEWALL ON 10" THICK CONC. DDT WALL WHERE BACKFILL HEIGHT > 4'-7", PROVIDE 6" CONC. SHELF FOR BRICK VENEER ON 10" THICK CONC. DDT WALL 1.

FOOTING TO BE 22"x6" THICK UNLESS NOTED OTHERWISE ON PLAN

DECK FASTENING DETAIL

SCALE: 1"=1'0"

2B

DECK FASTENING DETAIL

SCALE: 1"=1'0"

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qualification information Wellington Jno-Baptiste W Boffeste 2559 registration information VA3 Design Inc.

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CONST NOTE

CONSTRUCTION NOTES MAY 2016 3/16" = 1'-0" 13045-CN-2022-A1-REV1 13045