Roof Construction (\*SEE OBC 9.19.)

ROOF CONSTRUCTION (\*SEE OBC 9.19.

NO. 210 (10.25kg/m2) ASHPHALT SHINGLES. 10mm (3/8")
PLYWOOD SHEATHING WITH "H" CLIPS. APPROVED WOOD
TRUSSES @600mm 24" o.c. MAX. APPROVED EAVE
PROTECTION TO EXTEND 900mm (3'-0") FROM EDGE OF
ROOF AND MIN. 300mm (12") BEYOND INNER FACE OF
EXTERIOR WALL, 38x89 (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 SUFFACES
SUSCEPTIBLE TO 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 (16"). ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH 50% AT EAVES.

FRAME WALL CONSTRUCTION (2"x6")

2 SIDING, HARDIE BOARD, STUCCATO BOARD OR EQUAL AS PER ELEVATION, 19X64 (1"x3") VERTICAL WOOD FURRING, APPROVED SHEATHING PAPER, 7/16" O.S.B. EXTERIOR SHEATHING OR OBC COMPLIANT EQUIVALENT. 38X140 (2"X6") STUDS @ 400MM (16") O.C. W/APPROVED DIAGONAL WALL BRACING, RSI 3.87 (R22) INSULATION AND APPROVED VAPOUR BARRIER AND APPROVED CONT. AIR BARRIER, 13mm (1/2") INT. DRYWALL FINISH.

BRICK VENEER CONSTRUCTION (Z"x6") 90mm (4") FACE BRICK 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, 7/16" O.S.B. EXTERIOR
SHEATHING OR OBC COMPLIANT EQUIVALENT. 38x140 (2"x6") STUDS @ 400mm (16") o.c. W/APPROVED DIAGONAL WALL BRACING, RSI 3.87 (R22) INSUL. APPROVED VAPOUR BARRIER AND APPROVED CONT. AIR BARRIER, 13mm (1/2") INT. DRYWALL FINISH. PROVIDE WEEP HOLES @ 800mm (32") o.c. BOTTOM COURSE AND OVER OPENINGS

FLASHING UP MIN. 150mm (6") BEHIND BUILDING PAPER.
STUCCO WALL CONSTRUCTION (2"X6")

STUCCO CLADDING SYSTEM CONFIRMING TO OBC9.27.1.1.(2) & 9.28 THAT EMPLOY A MINIMUM 6mm (1/4") DRAINAGE CAVITY BEHIND THE CLADDING WITH POSITIVE DRAINAGE TO THE EXTERIOR AND APPLIED AS PER MANUFACTURERS SPECIFICATION ON 25mm (1") MINIMUM EXTRUDED OR EXPANDED RIGID INSULATION, APPROVED SHEATHING PAPER, 7/16" O.S.B. EXTERIOR SHEATHING OR OBC COMPLIANT EQUIVALENT. 38x140 (2"x6") STUDS @ 400mm (16") o.c. W/APPROVED DIAGONAL WALL BRACING, RSI 3.87 (R22) INSUL. APPROVED VAPOUR BARRIER AND APPROVED CONT. AIR BARRIER, 13mm (1/2") INT. DRYWALL FINISH. STUCCO TO BE MIN.200mm (8") ABOVE FINISH

## INTERIOR STUD PARTITIONS

(\*SEE OBC 9.23.10.&9.23.11.)

BEARING PARTITION 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") INTERIOR DRYWALL BOTH SIDES OF STUD, PROVIDE 38x140 (2"x6") STUDS/PLATES WHERE NOTED.

#### FOUNDATION WALL/FOOTINGS: 5 )

(\*SEE OBC 9.15.3 & 9.15.4.)

MIN 200mm (8") POURED CONC EDTN WALL 15MPd MIN. 200mm (8) POURED CONC. FOIN. WALL 15MPd
(2200psi) WITH BITUMENOUS DAMPROOFING AND
DRAINAGE LAYER. MIN. 480x155 (19"x6") CONTIN. KEYED
CONC. FTG. BRACE FOUNDATION WALL PRIOR TO
BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL
UNDISTURBED SOIL WITH MINIMUM BEARING CAPACITY OF 120kPg (17.4 psi) OR GREATER, shall be verified by a soil engineer repor

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WEEPING TILE (\* SEE OBC 9.14.3.) 6 100mm (4") DIA. WEEPING TILE 150mm (6") CRUSHED STONE OVER AND AROUND WEEPING TILES.

(\*SEE OBC 9.16.-) BASEMENT SLAB 80mm (3") MIN. 25MPa (3600psi) CONC. SLAB ON 100mm (4") COARSE GRANULAR FILL, OR 15MPa (2200psi) CONC. WITH DAMPROOFING BELOW SLAB.

WOOD SUBFLOORS (\*SEE OBC 9.23.14. & 9.30.2.) 19mm (3/4") T&G SUBFLOOR UNDER GROUND FLOOR FINISH FLOOR. 16mm (5/8") T&G SUBFLOOR UNDER SECOND FLOOR FINISH FLOOR. 16mm (5/8") PANEL—TYPE UNDERLAY FOR CERAMIC TILE APPLICATION. 6mm (1/4") PANEL—TYPE UNDERLAY UNDER RESILIENT & PARQUET

ROOF INSULATION (\*SEE SB12 - 2.1.1.2.A & 2.1.1.7) RSI 10.57 (R60) ROOF INSULATION AND APPROVED VAPOUR BARRIER, 16mm (5/8") INT. DRYWALL FINISH OR

ALL STAIRS/EXTERIOR STAIRS

MAX. RISE = 200 (\*\*) =200 =210 =255 =25 MIN. RUN MIN. TREAD (10") MAX. NOSING MIN. HEADROOM =1950RAIL @ LANDING RAIL @ STAIR MIN. STAIR WIDTH TO 965 (3'-2")

FOR CURVED STAIRS

(\*SEE OBC 9.8.8.) RAILING (11) FINISHED RAILING ON PICKETS SPACED MAXIMUM 100mm (4") BETWEEN PICKETS.

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

SILL PLATE (\*SEE DBC 9.23.6 & 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") o.c. CAULKING OR 25 (1") MIN.
MINERAL WOOL BETWEEN PLATE AND TOP OF FOTN. WALL. USE MORTAR TO LEVEL SILL PLATE WHEN REQUIRED.

BASEMENT INSULATION (\*SEE OBC 12.3.) FOUNDATION WALLS ENCLOSING HEATED SPACE SHALL BE INSULATED FROM THE UNDERSIDE OF THE SUBFLOOR TO NOT MORE THAN 152mm (6") ABOVE THE FINISHED FLOOR OF THE BASEMENT AND NOT LESS THAN 50mm (2") TO THE FOUNDATION WALL NSULATION SHALL BE MINIMUM RSI. 3.52 (R20) BLANKET INSULATION, APPROVED VAPOUR BARRIER.

14 BASEMENT BEARING STUD PARTITION

(\*SEE OBC 9.23.10.)

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

STEEL BASEMENT COLUMN (\* SEE OBC 9.17.3.) 90mm (3–1/2") DIA. x 4.78mm (.188) STL. COL. WITH 150x150x9.5mm (6"x6"x3/8") STL. TOP & BOTTOM PLATE.

STEEL COLUMN (\* SEE OBC 9.17.3.)
90mm (3-1/2") DIA. x 4.78mm (.188) STL. COLUMN WITH
100x100x6.4mm (4"x4"x1/4") STEEL TOP & BOTTOM PLATE.
FIELD WELD BOTTOM PLATE TO 250x100x12.5mm
(10"x4"x1/2") BASE PLATE C/W 2-13mm (1/2") DIA. x 300mm (12") LONG x 50mm (2") HOOK ANCHORS.

NIB WALLS (\* SEE OBC 9.23.8.) NIB WALLS

BEAM POCKET OR 200x200 (8"x8") POURED CONCRETE

NIB WALLS. MINIMUM BEARING 90mm (3-1/2")

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

(18)GARAGE SLAB (\*SEE OBC 9.16.-) 100mm (4") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT ON OPT. 100 (4") COARSE GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. SLOPE TO FRONT 1% MIN.

19 INTERIOR GARAGE WALLS & CEILING

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 GAS TIGHT.

GARAGE DOOR GASPROOFING

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

EXTERIOR STEP

(\*SEE DBC 9.8.9.2, 9.8.9.3 & 9.8.10.) Maximum 2 risers for PRECAST CONCRETE STEP OR WD. STEP WHERE NOT EXPOSED TO WEATHER MAX. RISE 200mm (7-7/8"); MINIMUM TREAD 250mm (9-1/2")

DRYER VENT (\*SEE OBC 6.2.3

CAPPED DRYER EXHAUST VENTED TO EXTERIOR. USE (\*SEE OBC 6.2.3.8.(7)) 1000mm (4") DIA. SMOOTH WALL VENT PIPE.

ATTIC ACCESS HATCH 545x700 (22"x28") WITH (\*SEE OBC 9.19.2.) WEATHERSTRIPPING. RSI 5.46 (R31) RIGID INSULATION

FIREPLACE CHIMNEYS 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 LILLEL 1 4 SHELVES MIN. 350mm (14") DEEP. LINEN CLOSET

26 MECHANICAL EXHAUST

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

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

NON-SHRINK GROUT.

CLASS "B" VENT

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

WOOD BASEMENT POST (\*OBC 9.17.4.) 3-38×140 (3-2"x6") BUILT-UP POST ON METAL BASE SHOE ANCHORED TO CONC. WITH 12.7 (1/2") DIA. BOLT ON 406×406×203 (16"x16"x8") CONC. FOOTING.

 $\begin{array}{c} \text{3D} \\ \text{MIN. HORIZ. STEP = 610mm (24"). MAX. VERT. STEP =} \end{array}$ (\*OBC 9.15.3.9.) 610mm (24")

SLAB ON GRADE (\*SEE OBC 9.16.-)

100mm (4") 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT ON OPT. 100 (4") COARSE GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE REINFORCED W/ 6x6-W2.9xW2.9 MESH PLACED NEAR MID-DEPTH OF SLAB

DIRECT VENT FURNACE 
DIRECT VENT FURNACE TERMINAL MIN. 900mm (36") FROM A GAS REGULATOR. MIN 300mm (12") ABOVE FIN. GRADE, FROM ALL OPENINGS, EXHAUST & INTAKE VENTS. 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 VENT GAS FIREPLACE DIRECT VENT GAS FIREPLACE. VENT TO BE A MINIMUM 300mm (12") FROM ANY OPENING AND ABOVE FIN. GRADE. REFER TO GAS UTILIZATION CODE

JOIST STRAPPING & BRIDGING (\*SEE OBC 23.9.4.) ALL FLOOR JOISTS TO BE BRIDGED WITH 38x38 (2"x2") CROSS BRACING OR SOLID BLOCKING @2100mm (6'-11") o.c. MAX. 19x64 (1"x3") @2100mm (6'-11") o.c. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED.

EXPOSED BUILDING FACE (\* SEE OBC 9.10.15.) EXPUSED BUILDING FACE (\* SEE UBC 9.10.15.)
EXTERIOR WALLS TO HAVE A FIRE RESISTANCE RATING
OF NOT LESS THAN 45min. WHERE LIMITING DISTANCE IS
LESS THAN 1.2M (3'-11") WHERE THE LIMITING DISTANCE IS
LESS THAN 600mm (1'-11") THE EXPOSING FACE SHALL BE CLAD IN NON-COMBUSTABLE MATERIAL

COLD CELLAR PORCH SLAB (\* SEE OBC 9.40.) FOR MAX. 2500mm (8'-2") PORCH DEPTH, 125mm (5") 32Mpa (4640 psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @200mm (8") o.c. EACH WAY IN BOTTOM THIRD OF SLAB, ANCHORED IN PERIMETER FDTN. WALLS W/ 610x610 (24"x24") 10M @600mm (24") o.c. DOWELS. SLOPE SLAB MIN. 1.0% FROM DOOR. SLAB TO HAVE A MIN. 75mm (3") BEARING ON FDTN. WALLS. PROVIDE (WL1) LINTELS OVER CELLAR DOOR. 37) FDTN. WALL REDUCTION IN THICKNESS

(\*SEE OBC 9.15.4.7.)

FDTN. WALL SHALL NOT BE REDUCED TO LESS THAN 90mm (3-1/2") THICK TO A MAX. DEPTH OF 660mm (26") FOR 8" FDTN. WALL. 10" FDTN. WALL WHEN REDUCTION IN THICNESS IS GREATER THAN 26". FDTN. WALL 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.

38)CONVENTIONAL ROOF FRAMING

(\*SEE OBC 9.23.4.2.(1))

FOR MAX. 2240mm (7'-4") SPAN, 38x89 (2"x4") RAFTERS @400mm (16") o.c.. FOR MAX. 3530mm (11'-7") SPAN, 38x140 (2"x6") RAFTERS @400mm (16") o.c.. RIDGE BOARD TO BE 51mm (2") DEEPER. 38x39 (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") CENTER POST TO THE TRUSS BELOW, LATERALLY BRACED @1800mm (6'-0") o.c. VERTICALLY.

Two Storey Volume Spaces

FOR A MAXIMUM 5490mm (18'-0") HEIGHT, PROVIDE 2-38x140 (2-2"x6") CONTINUOUS STUDS @300mm (12") o.c. FOR BRICK AND 400mm (16") o.c. FOR SIDING. PROVIDE SOLID WOOD BLOCKING BETWEEN STUDS @1220mm (4'-0") o.c. VERT. 7/16" EXT. PLYWOOD.

EXPOSED FLOOR TO EXTERIOR (\*SB12 - 2.1.1.2.A)
PROVIDE RSI 5.46 (R31) INSULATION, APPROVED VAPOUR
BARRIER AND CONTINUOUS AIR BARRIER, FINISHED

PARTYWALLS

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

EXTERIOR WALLS FOR WALK-OUT CONDITION EXTERIOR WALLS FUR WALL SO SENSON (2"x6") STUDS @400mm (16") o.c. MATCH FLOOR JOIST SPACING WHEN PARALEL WITH FLOOR JOISTS.

SM□KE ALARM ● (\*□BC 9.1□.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 ACTIVATE ALL ALARMS IF ONE SOUNDS. BATTERY BACK—UP REQUIRED. SMOKE ALARMS TO INCORPORATE VISUAL SIGNALLING COMPONENT. (\*OBC 9.10.19)

(9.10.19.3.(3)).

CARBON MONOXIDE ALARM • (\*OBC 9.3)
WHERE A FUEL-BURNING APPLIANCE IS INSTALLED IN A (\*OBC 9.33.4.) DWELLING UNIT, A BARBON MONOXIDE DETECTOR CONFORMING TO CAN./CGA-6.19, CSA 6.19 OR UL2034 SHALL BE INSTALLED ADJACENT TO EACH SLEEPING AREA. CARBON MONOXIDE DETECTOR(S) SHALL BE
PERMANENTLY WIRED SO THAT IT IS ACTIVATION WILL
ACTIVATE ALL CARBON MONOXIDE DETECTORS AND BE
EQUIPPED WITH AN ALARM THAT IS AUDIBLE WITHIN
BEDROOMS WHEN THE INTERVENING DOORS ARE CLOSED

(\*OBC 9.13.4.) SOIL GAS CONTROL PROVIDE CONSTRUCTION TO PREVENT LEAKAGE OF SOIL GAS INTO THE BUILDING AS REQUIRED

> CITY OF RICHMOND HILL BUILDING DIVISION 05/01/2024 **RECEIVED** Per: joshua.nabua

2012 CODE **COMPLIANCE PACKAGE "A1"** 

**GENERAL NOTES** 

N.T.S. MAY 2023 CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.

1

Greenpark

PROJECT NAME

**TRINIGROUP** 

ISSUED FOR PERMIT JUL 30, 201 REVISIONS

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

NAME

QUALIFICATION INFORMATION Required unless design is exemp 3.2.5 of the building code VIKAS GAJJAR

28770

L4K 4S6 P (416) 736-4096 F (905) 660-0746

REGION DESIGN INC.

8700 DUFFERIN ST

CONCORD, ONTARIO

**EGION ESIGN** 

PAGE No

(1) MINIMUM BEDROOM WINDOW (\*OBC 9.9.10.1.) AT LEAST ONE BEDROOM WINDOW ON A GIVEN FLOOR IS TO HAVE MIN. 0.35m2 (3.8 SQ.FT.) UNOBSTRUCTED GLAZED OPENABLE AREA WITH MIN. CLEAR WIDTH OF 380mm (I'-3")

GLASS AREA NOT MORE THAN 17% OF GROSS PERIPHERAL WALL AREA. MAXIMUM U-VALUE 0.28

(2) WINDOW GUARDS

(\*OBC 9.8.8.1(6)) A GUARD IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED LESS THAN 480mm (I'-6") ABOVE FIN. FLOOR AND THE DISTANCE FROM THE FIN. FLOOR TO THE ADJACENT GRADE IS GREATER THAN 1800mm (5'-11")

GENERAL:

(1) MECHANICAL VENTILATION

MECHANICAL VENTILATION IS REQUIRED TO PROVIDE 0.3 AIR CHANGES PER HOUR AVERAGED OVER 24 HOURS. SEE MECHANICAL DRAWINGS.

(2) OUTDOOR AIR INTAKE ●

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.

(3) RAINFORCEMENT FOR GRAB BARS (\*OBC 9.5.2.3.) ● RAINFORCEMENT OF STUD WALLS SHALL BE INSTALLED ADJACENT TO WATER CLOSETS AND SHOWER OR BATHTUB IN MAIN BATHROOM. REFER TO O.B.C. 9.5.2.3, 3.8.3.8.(3)(a), 3.8.3.8.(3)(c), 3.8.3.13.(2)(g) \$ 3.8.3.13.(4)(e). SEE DETAIL ON PAGE II.

LUMBER:

I.)ALL LUMBER SHALL BE SPRUCE-PINE-FIR No.1\$2 GRADE, UNLESS NOTED OTHERWISE.

2.) LUMBER EXPOSED TO THE EXTERIOR TO BE SPRUCE-PINE-FIR No.1\$2 GRADE PRESSURE TREATED OR CEDAR, UNLESS NOTED OTHERWISE.

3.) ALL BEAMS, GIRDER TRUSSES, AND METAL HANGER CONNECTIONS SUPPORTING ROOF FRAMING TO BE DESIGNED & CERTIFIED BY TRUSS MANUFACTURER.

4.)LVL BEAMS SHALL BE 2.0E (Fb=2800psi MIN.). NAIL EACH PLY OF LVL WITH 89mm (3-1/2") LONG COMMON WIRE NAILS @300mm (12") o.c. STAGGERED IN 2 ROWS MIRE NAILS @SCOTTIM (12 ) 02. 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 1/2" (13mm) DIA. GALVANIZED
BOLTS BOLTED AT MID-DEPTH OF BEAM @ 915mm

5.) PROVIDE TOP MOUNT BEAM HANGERS FOR ALL LVL BEAM TO BEAM CONNECTIONS UNLESS NOTED OTHERWISE.

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

7.) WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE, IN CONTACT WITH CONCRETE, SHALL BE SEPARATED FROM THE CONC. BY AT LEAST 2mil. POLYETHYLENE FILM, No.50 (45lbs) ROLL ROOFING OR OTHER DAMPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 150mm (6") ABOVE THE GROUND.

STRUDET INC.

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- Jun

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뎵 B. MARINKOVIC

(a), 10, 2023

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

REINFORCING STEEL SHALL CONFORM TO CSA-630-18M GRADE 400R.

REVISION:

• ONT. REG. 332/12-2012 OBC AMENDMENT O. REG. 88/19 JAN. 01, 2020

STABILITY OF NARROW (20'-25')

& TALL (±30) Houses

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

I.) REDUCE THE FOUNDATION WALL SILL PLATE ANCHOR BOLT SPACING FROM 2400mm o.c. (1'-10") TO 1220mm o.c. (4'-0") FOR STANDARD CONDITIONS.

2.)USE 9.5mm (3/8") THICK PLYWOOD OR WAFERBOARD FOR THE EXTERIOR WALL SHEATHING.

3.)TO STIFFEN THE STRUCTURE IN TRANSVERSE DIRECTION USE 9.5mm (3/8") THICK PLYWOOD NAILED TO THE INTERIOR PARTITIONS ON EACH FLOOR FOR A MINIMUM 2 INTERIOR PARTITION WALLS ON BOTH SIDES AND PERPENDICULAR TO THE LONG WALLS.

BRICK VENEER LINTELS

 $\overline{\text{MLI}}$  = 3-1/2"x3-1/2"x1/4"L (40x40x6.0L) + 2-2"x8" SPR. No.2 WL2 = 4"x3-1/2"x5/16"L (100x40x8.0L) + 2-2"x8" SPR. No.2 ML3 = 4"x5-1/2"x5/16"L (100x40x8.0L) + 2-2"x10" SPR. No.2

ML4 = 6"x3-1/2"x5/6"L (150x40x10.0L) + 2-2"x12" SPR. No.2

ML5 = 6"x4"x3/8"L (150x100x10.0L) + 2-2"x12" SPR. No.2

ML6 = 5"x3-1/2"x5/16"L (125x40x8.0L) + 2-2"x12" SPR. No.2

ML7 = 5"x3-1/2"x5/16"L (125x40x8.0L) + 3-2"x10" SPR. No.2

ML8 = 5"x3-1/2"x5/16"L (125x40x8.0L) + 3-2"x12" SPR. No.2 WL9 = 6"x4"x3/8"L (150x100x10.0L) + 3-2"x12" SPR. No.2

WOOD LINTELS AND BEAMS

MBI = 2-2"x8" SPR. No.2 (2-38x184 SPR. No.2)
MB2 = 3-2"x8" SPR. No.2 (3-38x184 SPR. No.2)
MB3 = 2-2"x10" SPR. No.2 (2-38x235 SPR. No.2)
MB4 = 3-2"x10" SPR. No.2 (3-38x235 SPR. No.2) MB5 = 2-2"x12" SPR. No.2 (2-36x266 SPR. No.2) MB6 = 3-2"x12" SPR. No.2 (3-36x266 SPR. No.2) MB7 = 5-2"x12" SPR. No.2 (5-36x266 SPR. No.2) MB1 = 4-2"x10" SPR. No.2 (4-38x235 SPR. No.2) MB12= 4-2"x12" SPR. No.2 (4-38x286 SPR. No.2)

LOOSE STEEL LINTELS

LI = 3-1/2"x3-1/2"x1/4"L (90x90x6.0L)

L2 = 4"x3-1/2"x5/16"L (100x90x8.0L)L2 = 4 x5-1/2 x5/16 L (100x40x8.0L) L3 = 5"x3-1/2"x5/16"L (125x40x8.0L) L4 = 6"x3-1/2"x3/8"L (150x40x10.0L) L5 = 6"x4"x3/8"L (150x100x10.0L) L6 = 7"x4"x3/8"L (175x100x10.0L)

LAMINATED VENEER LUMBER (LVL) BEAMS

LAMINATED VENEER LUMBER (LVI

LVLIA = I-I 3/4" × T 1/4" (I-45×184)

LVL2 = 3-I 3/4" × T 1/4" (2-45×184)

LVL3 = 4-I 3/4" × T 1/4" (3-45×184)

LVL4A = I-I 3/4" × T 1/4" (4-45×184)

LVL4A = I-I 3/4" × 9 1/2" (I-45×240)

LVL5 = 3-I 3/4" × 9 1/2" (3-45×240)

LVL5 = 3-I 3/4" × 9 1/2" (3-45×240)

LVL5A = 4-I 3/4" × 1 1/8" (1-45×300)

LVL6A = I-I 3/4" × II 7/8" (2-45×300)

LVL7 = 3-I 3/4" × II 7/8" (3-45×300)

LVL7 = 4-I 3/4" × II 7/8" (4-45×300)

LVLA = 4-I 3/4" × II 7/8" (4-45×300)

LVLA = 2-I 3/4" × II 7/8" (4-45×300)

LVL9 = 2-1 3/4" x 14" (2-45x356) LVL9 = 3-1 3/4" x 14" (3-45x356) LVL10 = 2-1 3/4" x 18" (2-45x456)

GLUE LAMINATED LUMBER BEAMS

GLUI = 3 1/8" x 11 7/8" (80x300) GLU2 = 5 1/8" x 11 7/8" (130x300)

Door Schedule

| = 2'-|0" x 6'-8" (865x2033) - INSULATED ENTRANCE DOOR | a = 2'-8" x 6'-8" (815x2033) - INSULATED FRONT DOORS | 2 = 2'-8" x 6'-8" (815x2033) - WOOD \$ GLASS DOOR

2 = 2'-8" x 6'-8" (815x2033) - MOOD \$) GLASS DOOR
3 = 2'-8" x 6'-8 x 1-3/4" (815x2033x45) - EXTERIOR SLAB DOOR
4 = 2'-8" x 6'-8" x 1-3/8" (815x2033x35) - INTERIOR SLAB DOOR
5 = 2'-6" x 6'-8" x 1-3/8" (160x2033x35) - INTERIOR SLAB DOOR
6 = 2'-2" x 6'-8" x 1-3/8" (660x2033x35) - INTERIOR SLAB DOOR
7 = 1'-6" x 6'-8" x 1-3/8" (460x2033x35) - INTERIOR SLAB DOOR

LEGEND

DJ DOUBLE JOIST LT TRIPLE JOIST

GT GIRDER TRUSS POINT LOAD

> SOLID WOOD BEARING. SOLID BEARING TO BE WIDE AT LEAST AS SUPPORTED MEMBER. MIN. 3 PIECES.

LOAD-BEARING WALL

TWO-STOREY WALL. SEE NOTE (39)

TE FLAT ARCH

F.D. FLOOR DRAIN

5A **@** SMOKE ALARM. SEE NOTE

SMOKE ALARM & CARBON MONOXIDE ALARM. SEE NOTE

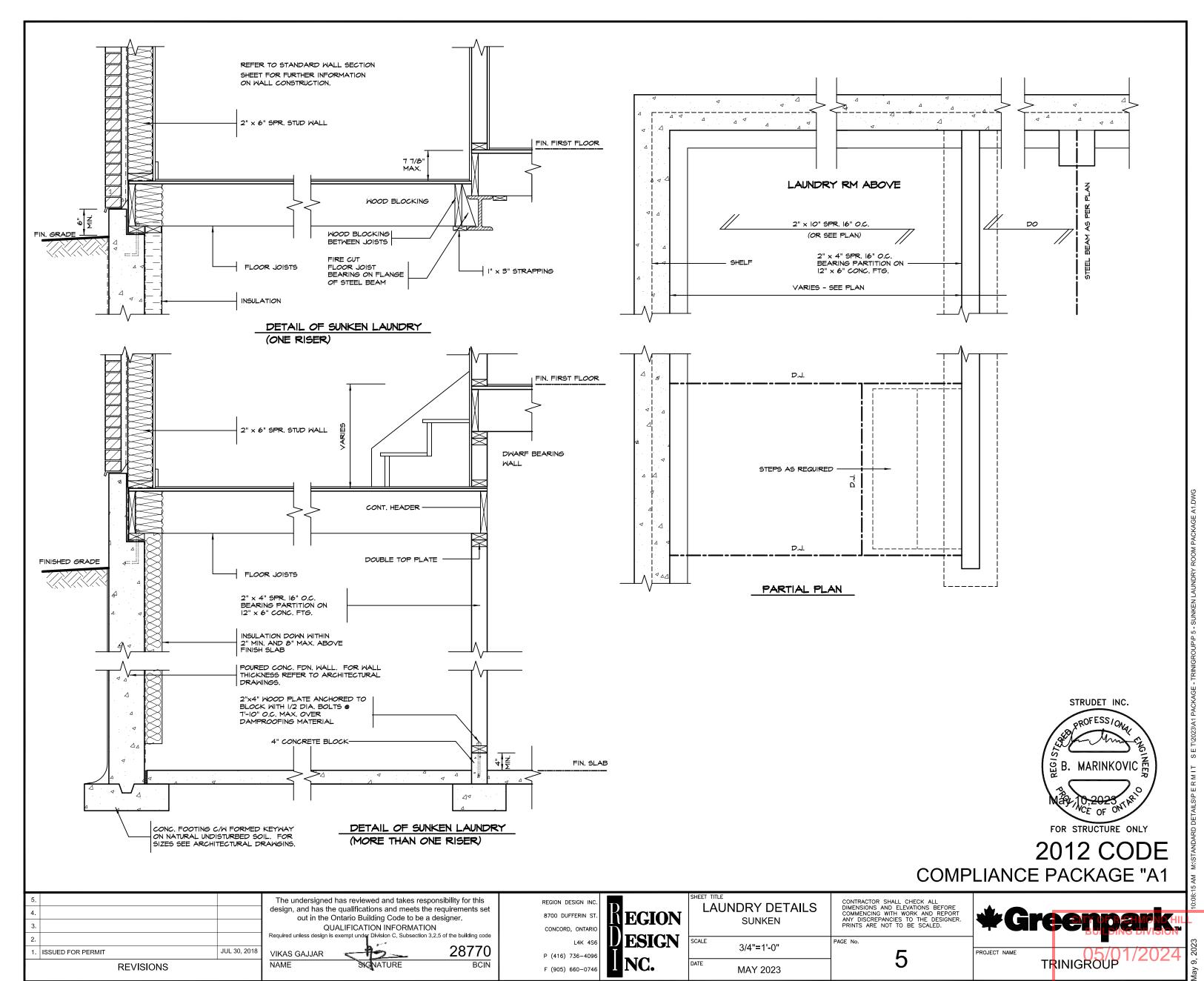
**CITY OF RICHMOND HILL BUILDING DIVISION** 

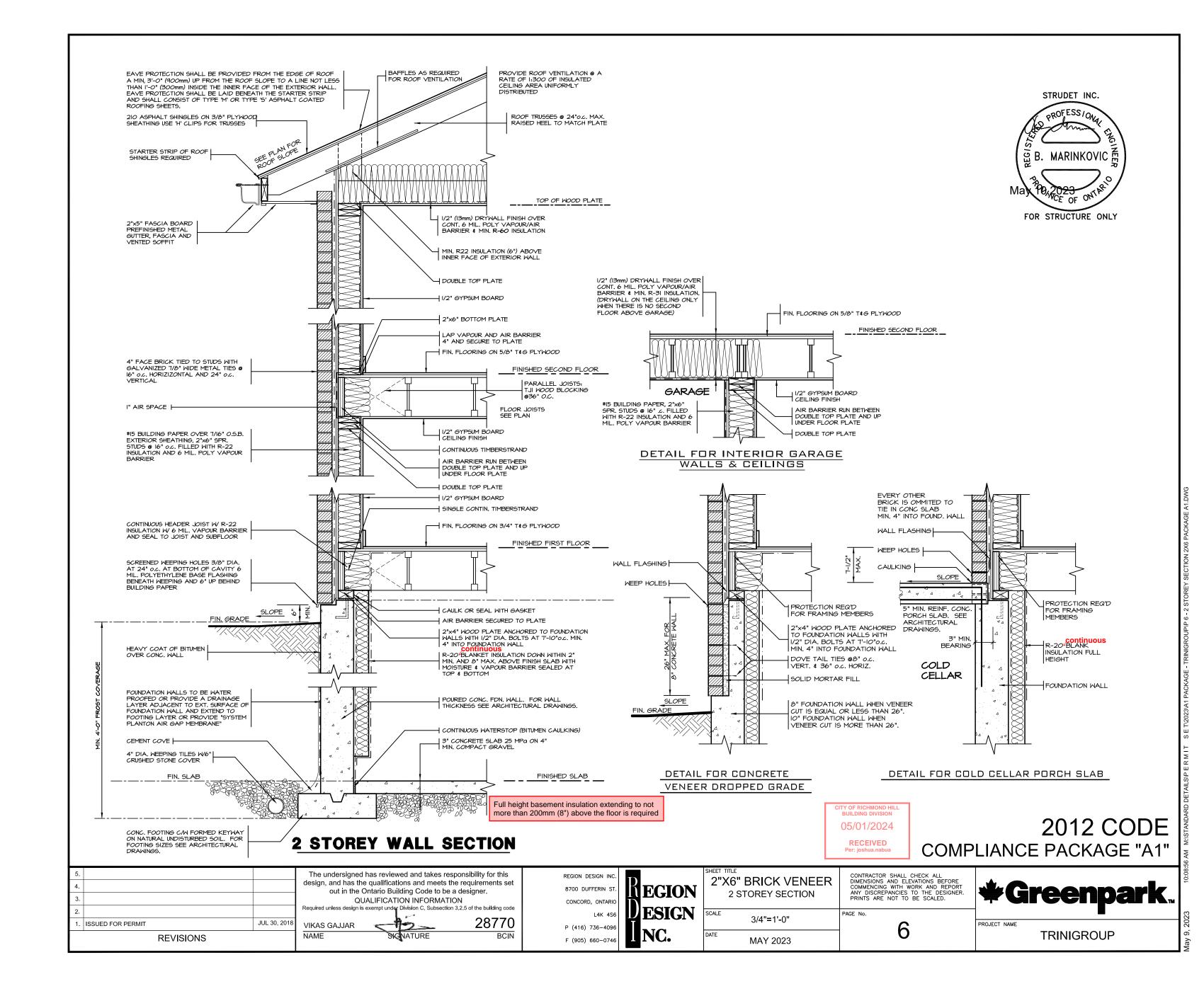
05/01/2024

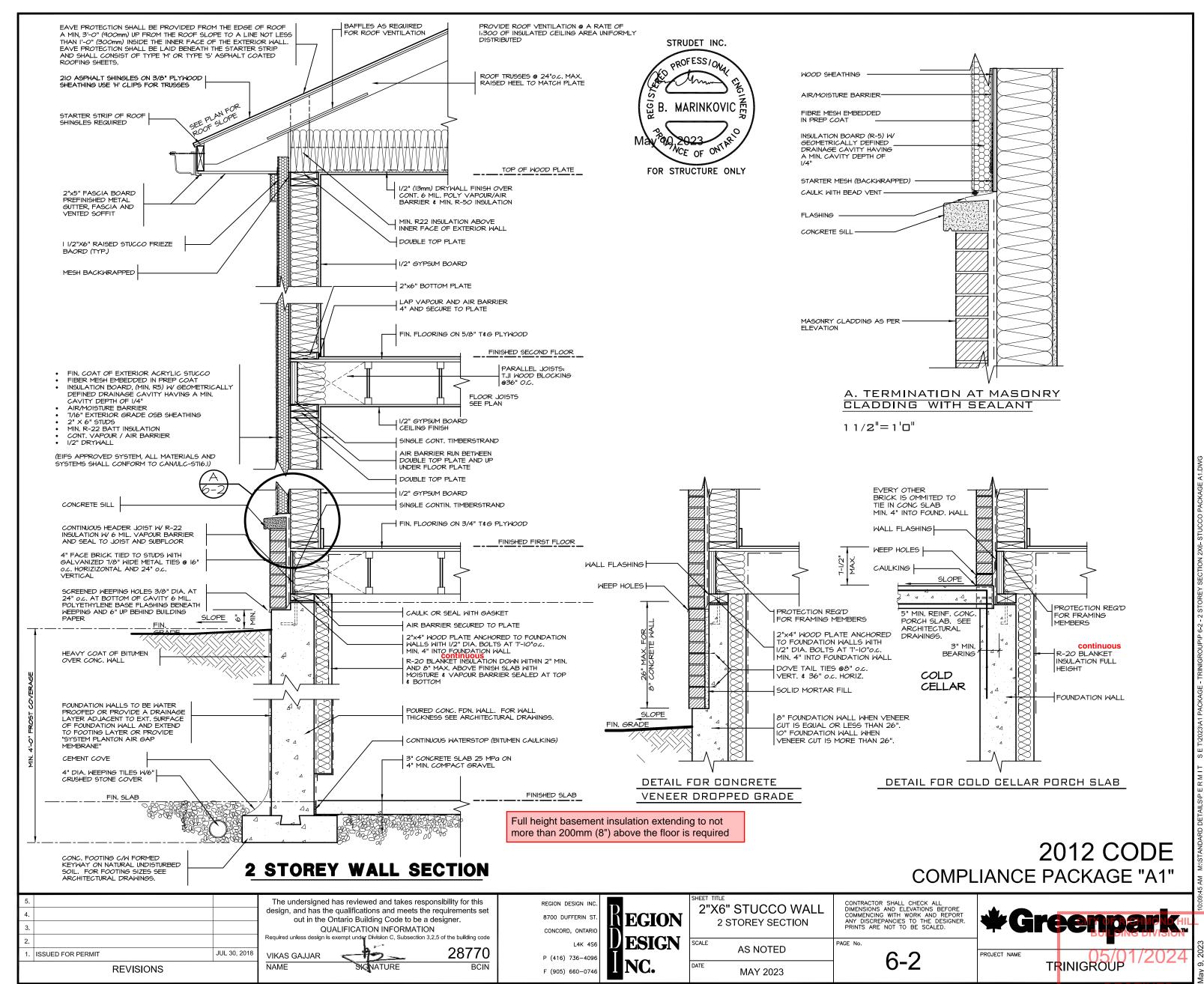
RECEIVED Per: joshua.nabua

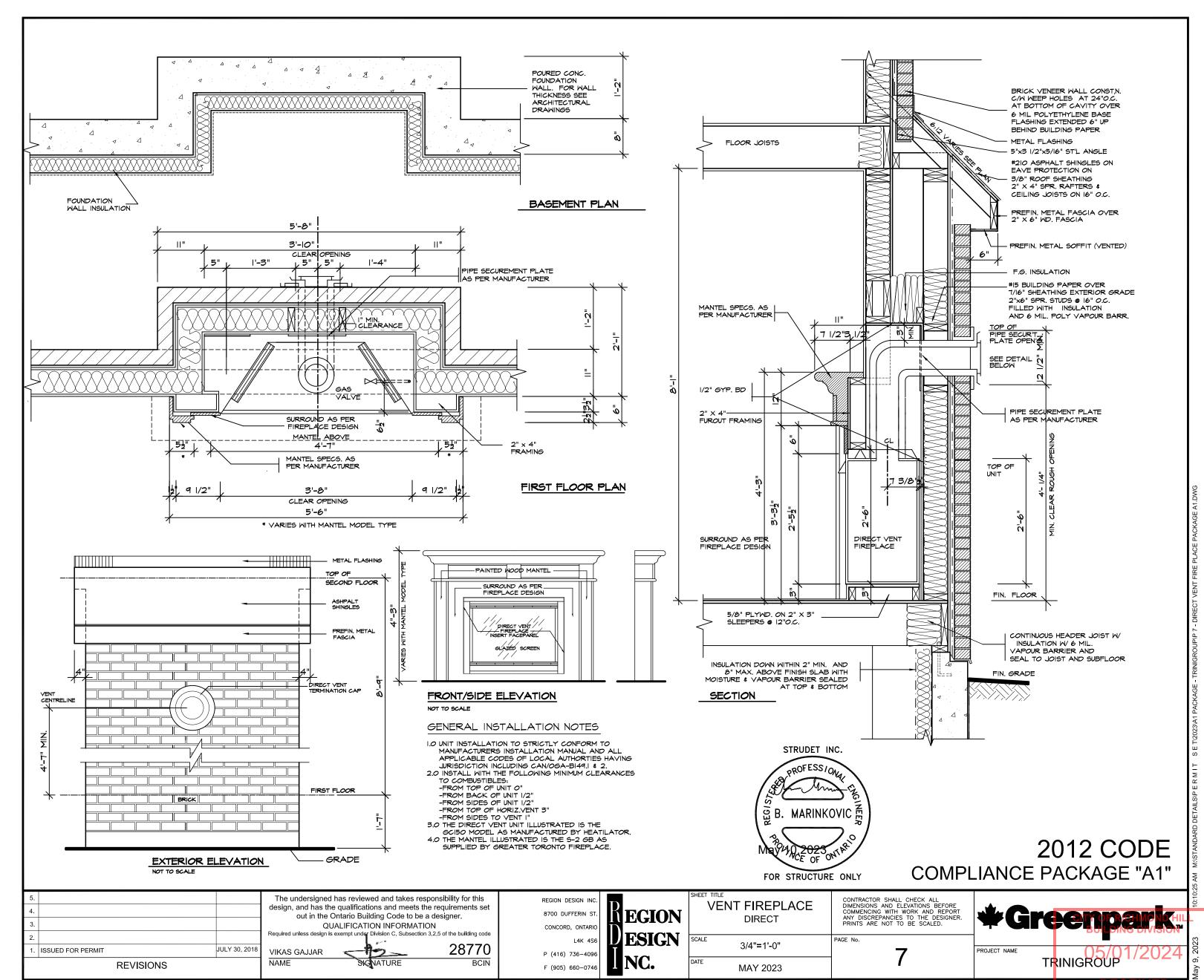
2012 CODE **COMPLIANCE PACKAGE "A1"** 

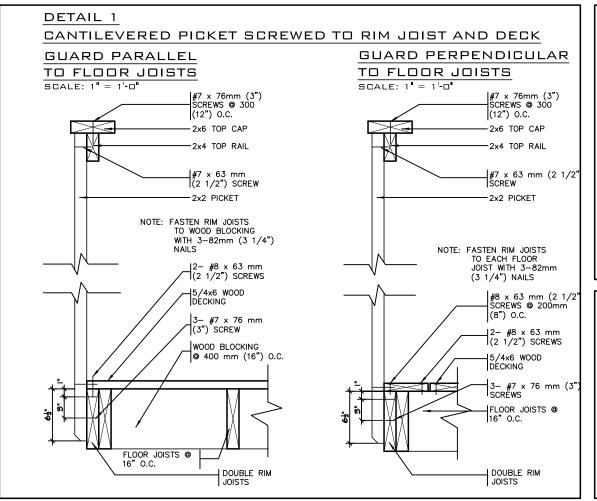
5.		The undersigned has reviewed and takes responsibility for this	REGION DESIGN INC.	D	SHEET TITLE	CONTRACTOR SHALL CHECK ALL	
4.		design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.	8700 DUFFERIN ST.	MEGION	GENERAL NOTES	DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER.	# Cucomor
3.		QUALIFICATION INFORMATION	CONCORD, ONTARIO	HEGION		PRINTS ARE NOT TO BE SCALED.	<b>*Greenpar</b>
2.		Required unless design is exempt under Division C, Subsection 3.2.5 of the building code	L4K 4S6	<b>DESIGN</b>	SCALE	PAGE No.	
1.	ISSUED FOR PERMIT JAN 31, 2015	vikas gajjar 28770	D (416) 776 4006	T	N.T.S.	<u> </u>	PROJECT NAME
	REVISIONS	NAME SIGNATURE BCIN	F (905) 660-0746	LINC.	MAY 2023		TRINIGROUP

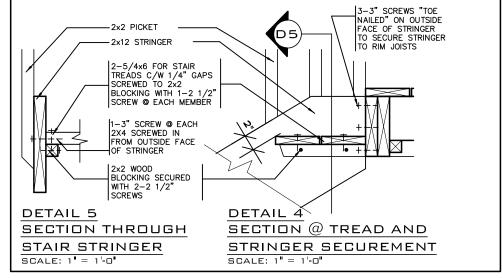




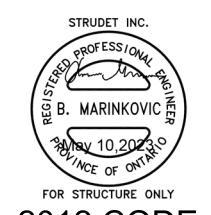








- BRICK TO BE COMPRESSIVE STRENGTH OF 15mPa (2200 p.s.i.) MIN. UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
- 2. MORTAR TO BE TYPE S WITH JOINT THICKNESS OF 10mm (3 /8") MIN. AND 20mm (3 /4") MAX.
- ALL NAILS AND SCREWS TO BE GALVANIZED.
- WOOD FOR CANTILEVERED PICKETS PICKETS SHALL BE DOUGLAS FIR-LARCH,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



2012 CODE

**COMPLIANCE PACKAGE "A1"** 

5.			The u	
4.			design,	
3.				
2.			Required ι	
1.	REVISED FOR STARTIME	NOV 16	VIKAS	
REVISIONS				

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer. QUALIFICATION INFORMATION

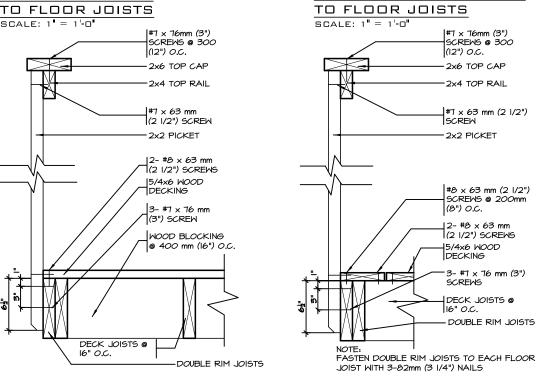
Required unless design is exempt under Division C, Subsection 3.2.5 of the building code 28770 VIKAS GAJJAR

REGION DESIGN INC 8700 DUFFERIN ST CONCORD, ONTAR L4K 4S P (416) 736-409 F (905) 660-074



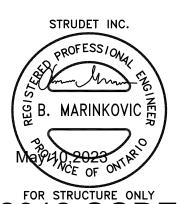
			OOIVII	
WOO DECK I	_	CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED.		
AS SHOWN	BY	AREA	PAGE No.	
MAY 2023	TYPE	PROJECT 00-00-00	0	





- THE DECK HAS BEEN DESIGNED TO SAFELY SUPPORT A SUPERIMPOSED LOAD OF I.9kPa [40psf]
- ALL NAILS AND SCREWS TO BE GALVANIZED
- WOOD FOR CANTILEVERED PICKETS 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 MIN. BEARING PRESSURE OF ISOKPA [3130psf]



2012 CODE

**COMPLIANCE PACKAGE "A1"** 

	REVISIONS	NAME	
1.	REVISED FOR RUSSELL GARDENS	MAR 2018	VIKAS GAJJAR
2.			Required unless design
3.			G
4.			design, and has t out in the
5.			The undersigne

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 Division C, Subsection 3.2.5 of the building code

28770

REGION DESIGN IN 8700 DUFFERIN ST CONCORD, ONTARI L4K 4S P (416) 736-409 F (905) 660-074

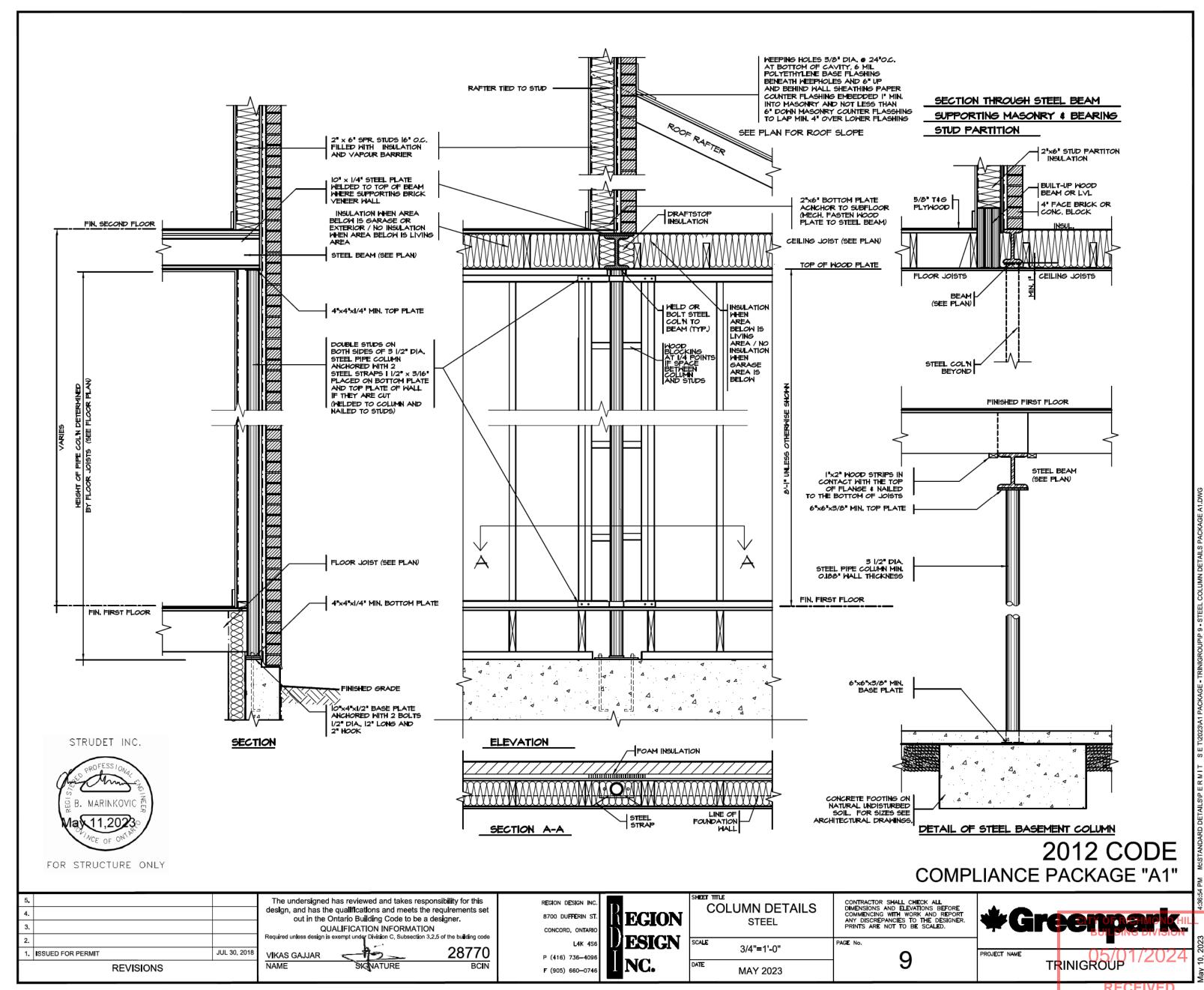
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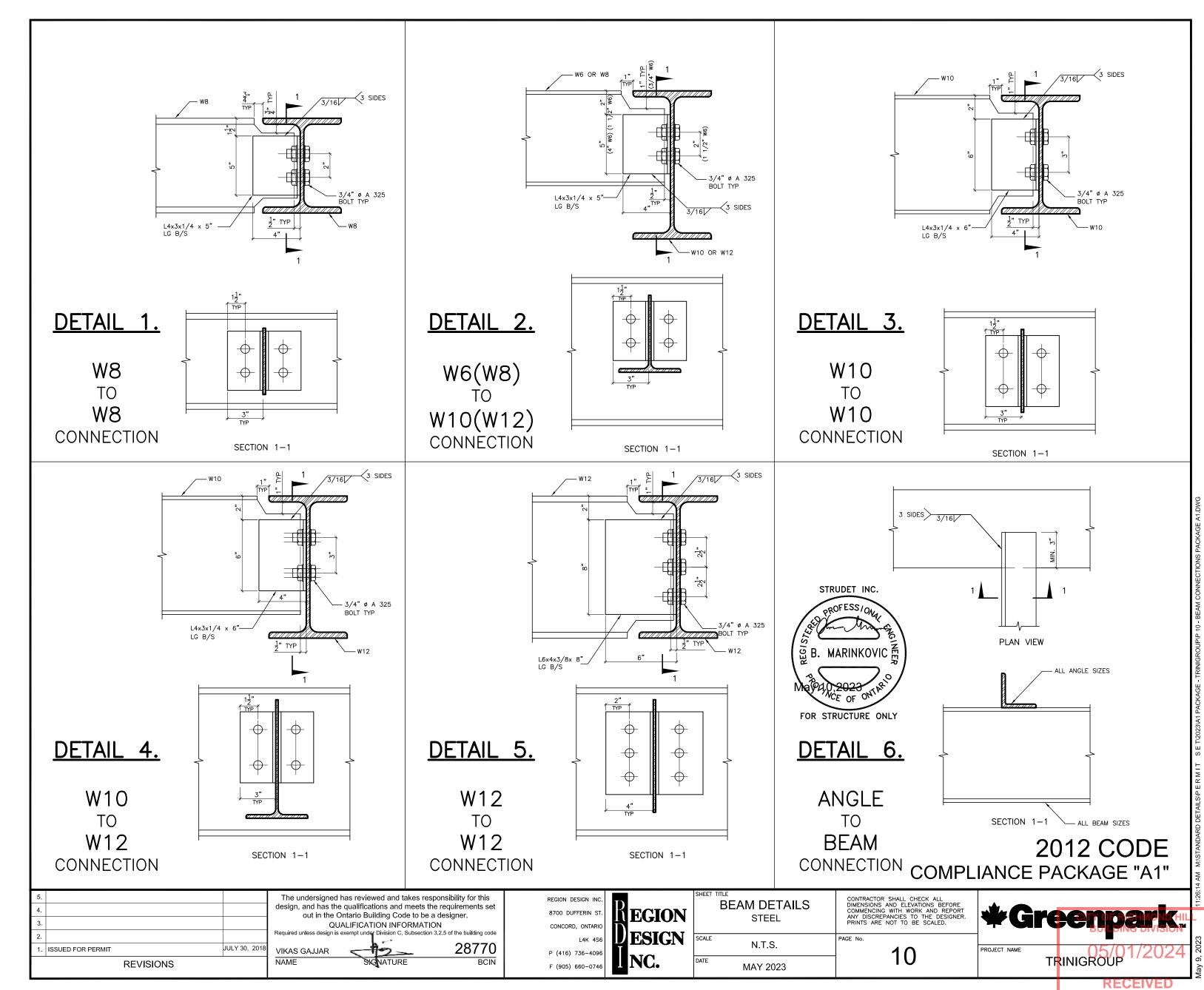
MAY 2023

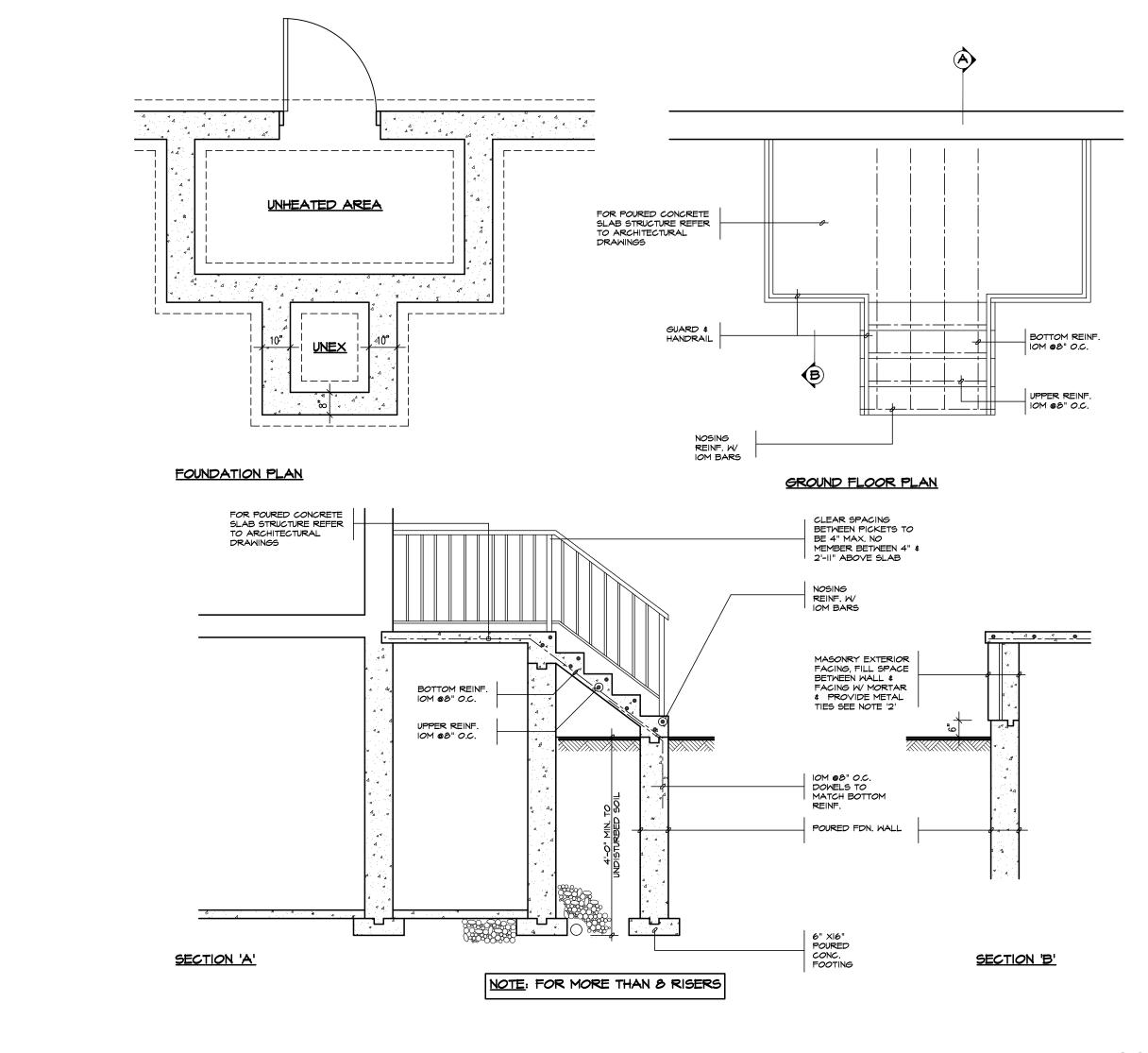
CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER PRINTS ARE NOT TO BE SCALED. WALK-OUT **DECK DETAILS** AS SHOWN 8-2

00-00-00

PROJECT NAME TRINIGROUP 1/2024







7 7/8" RISE MAXIMUM 8 1/4" RUN MINIMUM 10" TREAD MINIMUM

#### 2. MASONRY TIES

WHEN BRICK FACING IS USED ABOVE GROUND LEVEL, PROVIDE 3/16" DIA.
CORROSION RESISTANT METAL TIES @ 36"
HORIZONTAL & 6" VERTICAL

#### 3. GUARDS

ARE REQUIRED AROUND CONCRETE SLAB IF MORE THAN 2"-0" ABOVE GRADE & ON BOTH SIDES OF STAIRS CONTAINING MORE THAN 6 RISERS, MINIMUM 31" HIGH FOR STAIRS MINIMUM 35" HIGH FOR PORCHES UP TO 5'-11" ABOVE GRADE, MINIMUM 42" HIGH FOR GREATER HTS.

ARE REQUIRED WHERE STEPS HAVE MORE THAN 3 RISERS . HANDRAIL HEIGHT 31" - 38".

### 5. FOUNDATION WALLS

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

MINIMUM CONCRETE STRENGTH SHALL BE 4650 PSI [32MPa] W/ 5%-6% AIR ENTRAINMENT MINIMUM CONCRETE SLAB THICKNESS 5"

#### 7. CONCRETE COVER

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



2012 CODE **COMPLIANCE PACKAGE "A1"** 

5.			The u			
4.			design,			
3.						
2.			Required u			
1.	ISSUED FOR PERMIT	JUL 30, 2018	VIKAS			
	REVISIONS					

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer. QUALIFICATION INFORMATION

28770 VIKAS GAJJAR

BCIN

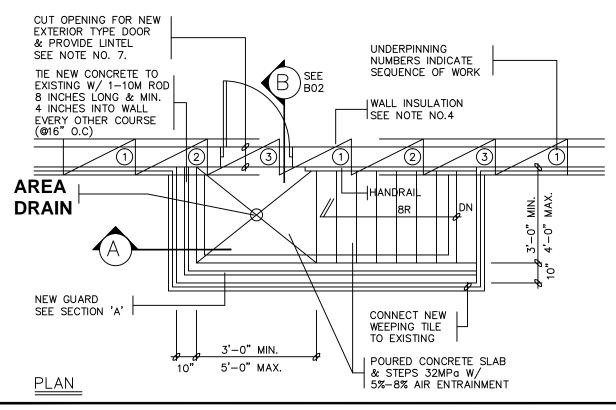
REGION DESIGN INC. 8700 DUFFERIN ST. CONCORD, ONTARIO P (416) 736-4096

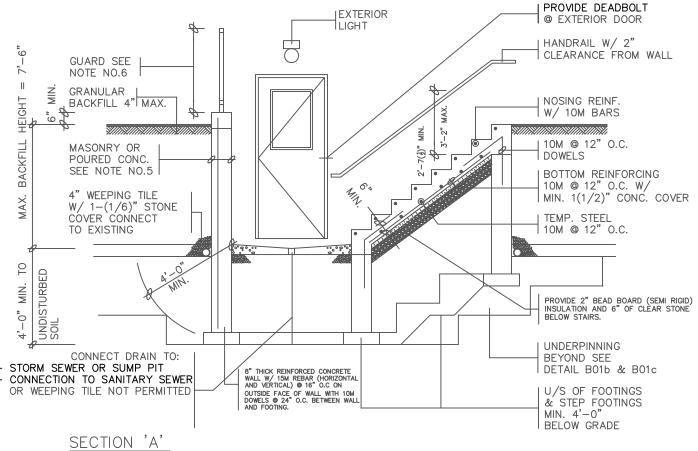
F (905) 660-0746

**EGION ESIGN** 

CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING WITH WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNER. PRINTS ARE NOT TO BE SCALED. POURED CONCRETE **STAIRS** 3/8"=1'-0" 14 MAY 2023

PROJECT NAME TRINIGROUP 1/2024





## FOOTINGS:

16"x6" POURED CONC. FOOTING ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED GRANULAR FILL.

# 2. CONCRETE:

MINIMUM COMPRESSIVE STRENGTH OF 32 MPA @ 28 DAYS W/ 5% TO 8% AIR ENTRAINMENT.

#### 3. EXTERIOR STAIRS:

RISER: 4(7/8)"MIN. I 7(7/8)"MAX. RUN: 9(1/4)"MIN. I 14"MAX. TREAD: 9(1/4)"MIN. I 14"MAX. NOTE: stairs shall comply with attached general note #18

#### 4. INSULATION:

MINIMUM R20c.i. INSULATION W/ VAPOUR BARRIER ON THE INSIDE FACE OF THE EXPOSED FOUNDATION WALL.

## 5. RETAINING WALL:

REINFORCING STEEL IN SIDE WALLS TO BE LOCATED ON OUTSIDE FACE OF WALLS WITH 1(1/2)" CONCRETE COVER.

# 6. GUARDS:

3'-6" HEIGHT WHERE DISTANCE FROM GRADE TO BOTTOM OF WALKOUT EXCEEDS 5'-11"; 2'-11" FOR LESSER HEIGHTS. MAXIMUM 4" BETWEEN VERTICAL PICKETS. GUARDS SHALL BE NON-CLIMBALE AND IN CONFORMANCE WITH OBC 2012 DIV.B 9.8.8 AND SB-7

#### 7. LINTELS:

- SOLID MASONRY/CONCRETE: 2-3(1/2)"x3(1/2)"x(1/4)" STEEL ANGLES

   BRICK VENEER: 1-3(1/2)"x3(1/2)"x(1/4)"L + 2-2"x8"

   WOOD FRAME/SIDING: 2-2"x8"

# 8. UNDERPINNING:

UNDERPINNING, OR EXTRA DEPTH FOOTING TO A LEVEL 4 FT. BELOW THE WALKOUT SLAB, IS REQUIRED FOR ALL FOOTINGS WITHIN A 4 FT. RADIUS OF ANY POINT OF THE WALKOUT SLAB.

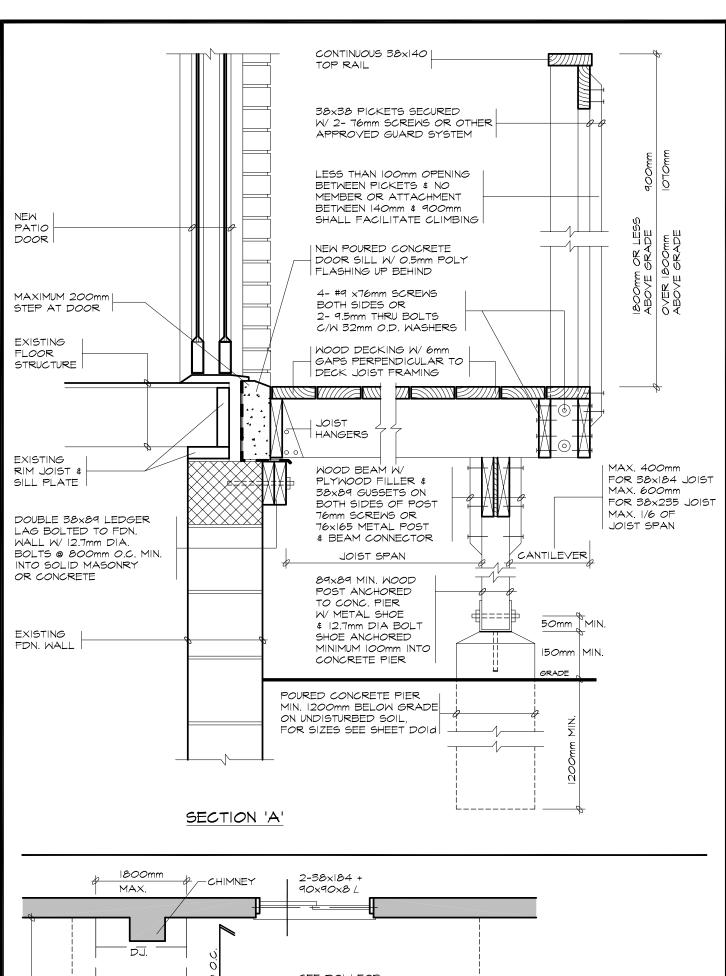


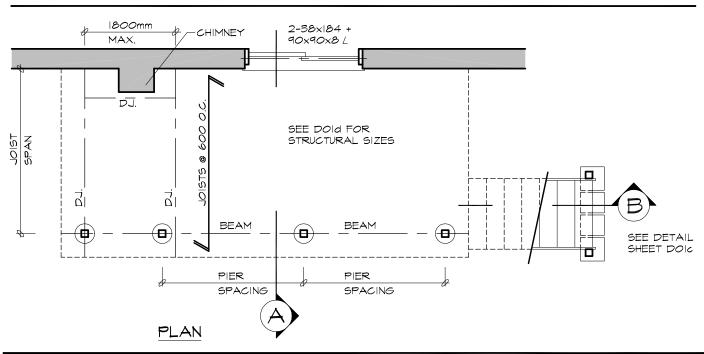
BASEMENT WALKOUT PLAN & SECTIONS

DWG. NO.

B01RH

2020





LMCBO STANDARD DETAILS TITLE WOOD DECK

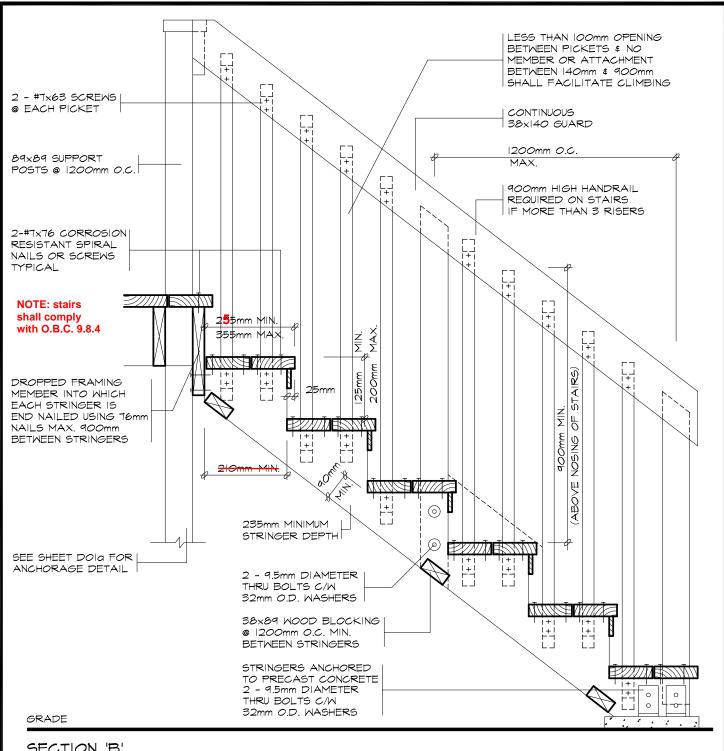
FIXED TO SOLID MASONRY FOUNDATION WALL PLAN & SECTION

NOTE: UNDER THE BUILDING CODE ACT, THE LOCAL MUNICIPALITY IS THE AUTHORITY HAVING
JURISDICTION FOR ENFORCING THE ACT AND IT'S REGULATIONS. IT IS THE RESPONSIBILITY
OF THE OWNER/DESIGNER TO ENSURE THAT ALL DESIGNS SUBMITTED FOR A PERMIT ARE IN
ACCORDANCE WITH THE BUILDING CODE ACT, BUILDING CODE AND ANY OTHER APPLICABLE LAW.

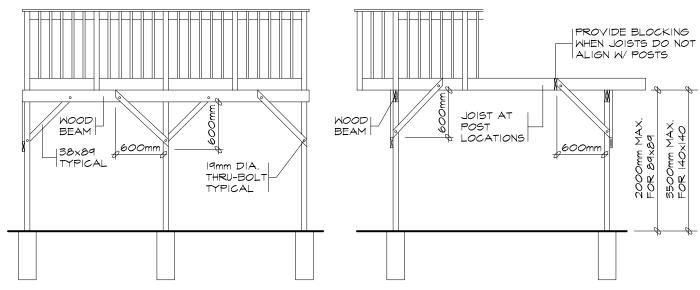
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2012



# SECTION 'B'



### BRACING PARALLEL TO BEAM

BRACING PERPENDICULAR TO BEAM

DECKS GREATER THAN 600mm ABOVE GRADE SHALL RESIST LATERAL LOADING & MOVEMENT. ALL POSTS MUST BE BRACED WHERE THE SUPPORTED AREA EXCEEDS THOSE LISTED IN THE TABLE ON DOID

**LMCBO STANDARD DETAILS** 

TITLE WOOD DECK

STAIR SECTION LATERAL SUPPORT FOR

■ DECKS

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2012

DWG. NO.

NOTE: UNDER THE BUILDING CODE ACT, THE LOCAL MUNICIPALITY IS THE AUTHORITY HAVING JURISDICTION FOR ENFORCING THE ACT AND IT'S REGULATIONS. IT IS THE RESPONSIBILITY OF THE OWNER/DESIGNER TO ENSURE THAT ALL DESIGNS SUBMITTED FOR A PERMIT ARE IN ACCORDANCE WITH THE BUILDING CODE ACT, BUILDING CODE AND ANY OTHER APPLICABLE LAW.

	BEAM SIZING TABLE										
SUPPORTED	LIVE	LIVE LOAD 1.9 kPa			LIVE LOAD 2.5 kPa			LOAD 3.0 kPa			
JOIST LENGTH	PIER	SPACING (m	nm)	PIER	SPACING (m	nm)	PIER	SPACING (m	nm)		
(mm)	2000	3000	4000	2000	3000	4000	2000	3000	4000		
1500	2/38×140	2/38×184	3/38×235	2/38×140	3/38×184	3/38×235	3/38×140	2/38×235	2/38×286		
2000	2/38×140	3/38×184	3/38×235	2/38×184	2/38×235	3/38×286	2/38×184	2/38×235	3/38×286		
2500	2/38×184	2/38×235	3/38×286	2/38×184	3/38×235	3/38×286	2/38×184	3/38×235	4/38×286		
3000	2/38×184	2/38×235	3/38×286	2/38×184	3/38×235	4/38×286	2/38×184	3/38×235	4/38×286		
3500	2/38×184	3/38×235	3/38×286	2/38×184	3/38×235	4/38×286	3/38×184	3/38×286	N/A		
4000	2/38×184	3/38×235	4/38×286	2/38×184	3/38×286	N/A	3/38×184	3/38×286	N/A		

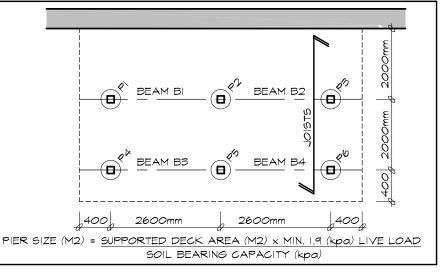
	JOIST SIZING TABLE									
	LIVE LOAD 1.9 kPa			LIVE LOAD 2.5 kPa			LIVE	/E LOAD 3.0 kPa		
JOIST SPAN	J015	T SPACING (r	nm)	JOIS.	T SPACING (r	mm)	90E	T SPACING (	mm)	
(mm)	305	406	610	305	406	610	3 <i>0</i> 5	406	60	
2000	38×140	38×140	38×140	38×140	38×140	38×140	38×140	38×140	38×140	
2500	38x140	38×140	38×184	38×140	38×140	38×184	38×140	38x184	38×184	
3000	38×140	38×184	38×184	38×184	38×184	38×235	38×184	38×184	38×235	
3500	38×184	38×184	38×235	38×184	38×235	38×235	38×235	38×235	38×235	
4000	38×235	38×235	38×286	38×235	38×235	38×286	38×235	38×235	38×286	

FOOTING SIZES				
SOIL BEARING CAP	ACITIES (kPa)			
SOIL TYPE	BEARING PRESSURE (kPa)			
SOFT CLAY	40			
LOOSE SAND OR GRAVEL	50			
FIRM CLAY	75			
DENSE OR COMPACT SILT	100			
STIFF CLAY	150			
DENSE COMPACT SAND OR GRAVEL	150			
TILL	200			
CLAY SHALE	300			
SOUND ROCK	500			

PIER SIZES				
DIAMETER (mm)	n Y			
200	0.03			
25 <i>0</i>	0.05			
300	0.08			
350	0.10			
400	0.13			
500	0.20			
600	0.30			

	PC	ユニ ニノフト				
	POST SIZING TABLE					
POST	MAXIMUM	MAX. SUPPO	ORTED DECK	AREA (M2)		
SIZE	HEIGHT	Lľ	VE LOAD (KF	Pa)		
(mm)	(M)	1.9	2.5	3.0		
	1.0	10.86	8.71	7.48		
89×89	1.5	5.93	4.76	4.09		
	2.0	3.15	2.53	2.17		
	2.0	13.67	10.98	9.43		
	2.5	9.32	7.48	6.43		
	3.0	6.35	5.10	4.38		
	3.5	4.41	3.54	3.04		

	PIERS	SUPPORTED DECK AREA					
	<u>1</u>	$2 \times 1.7 = 3.4$ m <sup>2</sup>					
7	P2	2 × 2.6 = 5.2m <sup>2</sup>					
PLAN	P3	$2 \times 1.7 = 3.4 \text{m}^2$					
ם	P4	$1.4 \times 1.7 = 2.4 \text{m}^2$					
Щ	Þ	$1.4 \times 2.6 = 3.6 \text{m}^2$					
₫	P6	$1.4 \times 1.7 = 2.4 \text{m}^2$					
EXAMPL	BEAMS	SUPPORTED JOIST LENGTH					
X	m	2000mm					
	B2	2000mm					
	B3	14 <i>00</i> mm					
	B4	14 <i>00</i> mm					
	BEAM	<b>SPAN =</b> 2600mm					
	JOIST	<b>SPAN =</b> 2000mm					
		·					



- I. A MINIMUM LIVE LOAD OF 1.9 (kPa) SHALL BE APPLIED IN ALL LOCATIONS.
- 2. THE PRESCRIBED SNOW LOAD FOR 225 SELECTED ONTARIO LOCATIONS IS INDICATED IN COLUMN 12 OF TABLE 1.2 IN SUPPLEMENTARY GUIDELINE SB-I OF THE ONTARIO BUILDING CODE. THE SNOW LOAD SHALL BE APPLIED AS THE MINIMUM LIVE LOAD WHERE IT IS GREATER THAN 1.9 (kPa)
- 3. A SITE PLAN OR SURVEY IS REQUIRED SHOWING ALL LOT LINES & DIMENSIONS, SIZE & LOCATION OF ALL EXISTING BUILDINGS & DECKS.
- 4. LUMBER NO. 2 SPF OR BETTER WOOD POSTS MIN. 89x89 (SOLID).
  USE CORROSION RESISTANT SPIRAL NAILS OR SCREWS.
- 5. A DECK IS NOT PERMITTED TO BE SUPPORTED ON BRICK VENEER.
- 6. CANTILEVERED JOISTS AND BEAMS ARE LIMITED TO 1/6 THE MEMBERS LENGTH.
- CONCRETE PIERS SHALL BEAR ON UNDISTURBED SOIL. THE BEARING CAPACITY OF THE SOIL SHALL BE DETERMINED PRIOR TO CONSTRUCTION.
- 8. MAXIMUM HEIGHT REFERS TO THE HEIGHT OF THE POST FROM THE TOP OF THE PIER TO THE DECK SURFACE.
- 9. BEAMS WITH MORE THAN 2 MEMBERS MUST BE SUPPORTED
- IO. THE ALLOWABLE SOIL BEARING PRESSURE SHALL BE REDUCED BY 50% WHILE THE WATER IS AT OR NEAR THE BOTTOM OF THE FOOTING EXCAVATION.
- II. CONTACT YOUR LOCAL BUILDING DEPARTMENT FOR FURTHER INFORMATION ABOUT LOCAL SOIL BEARING CAPACITIES.
- 12. JOISTS SPANNING MORE THAN 2100mm ARE TO HAVE BRIDGING AT LEAST EVERY 2100mm O.C.,

LMCBO STANDARD DETAILS TITLE

WOOD DECK STRUCTURAL SIZING TABLES

NOTE: UNDER THE BUILDING CODE ACT, THE LOCAL MUNICIPALITY IS THE AUTHORITY HAVING
JURISDICTION FOR ENFORCING THE ACT AND IT'S REGULATIONS, IT IS THE RESPONSIBILITY
OF THE OWNER/DESIGNER TO ENSURE THAT ALL DESIGNS SUBMITTED FOR A PERMIT ARE IN
ACCORDANCE WITH THE BUILDING CODE ACT, BUILDING CODE AND ANY OTHER APPLICABLE LAW.

DWG. NO.

DOId

2012