## 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 SURFACES SUSCEPTIBLE TO DAMMING. ROOF SHEATHING TO BE FASTENED 150 (6") c.c. ALONG EDGES & INTERWEDIATE SUPPORTS WHEN TRUSSES SPACED GREATER THAN 406 (16"). ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH 50% AT EAVES.

## FRAME WALL CONSTRUCTION (2"x6")

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. 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 (2"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, 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. PROVIDE BASE 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 ✓ 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, 35x140 (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 GRADE.

## 4 INTERIOR STUD PARTITIONS (\*SEE OBC 9.23.10.&9.23.11.)

BEARING PARTITION 38x89 (2"x4")  $\odot$  400mm (16") o.c. FOR 2 STOREYS AND 300mm (12") o.c. FOR 3 STOREYS. NON-BEARING PARTITIONS 38x89 (2"x4")  $\odot$  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.

NON-LOADBEARING WALLS PARALLEL TO FLOOR JOISTS SHALL BE SUPPORTED BY JOIST BENEATH OR ON BLOCKING BETWEEN THE JOISTS, AS PER 9.23.9.8

## 5 FOUNDATION WALL/FOOTINGS: (\*SEE OBC 9.15.3 & 9.15.4.)

MIN. 200mm (8") POURED CONC. FDTN. WALL 15MPa (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 120kPa (17.4 psi) OR GREATER.

REFER TO ARCHITECTURAL DRAWINGS OR BLOCK PLANS FOR FOUNDATION AND FOOTING SIZES

### WEEPING TILE

(\* SEE DBC 9.14.3.)

(\*SEE OBC 9.16.-)

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

### BASEMENT SLAB

80mm (3") MIN. 25MPa (3600psi) CONC. SLAB ON 100mm (4") COARSE GRANULAR FILL, OR 15MPa (2200psi) CONC. WITH DAMPROOFING BELOW SLAB.

(\*SEE OBC 9.23.14. & 9.30.2.)

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 FLOORING.

(\*SEE SB12 - 2.1.1.2.A & 2.1.1.7)

ROOF INSULATION (\*SEE SB12 - 2.1.1.2.A & 2.1.1.

RSI 10.67 (R60) ROOF INSULATION AND APPROVED VAPOUR BARRIER,
16mm (5/8") INT. DRYWALL FINISH OR APPROVED EQUAL.

(\*SEE OBC 9.8.-) =200 (7-7/8") =255 (10") =355 (1'-2") REV. =1950 (6'-5") REV. =1950 (6'-5") 10 965 (3' 2") =865 (2'-10") 1070 (3'-6)

## FOR CURVED STAIRS MIN. AVG. RUN MIN. RUN

= 200 (8") = 150 (6")

## RAILING

(\*SEE OBG 9.8.8.)

RAILING

FINISHED RAILING ON PICKETS SPACED MAXIMUM 100mm (4") BETWEEN PICKETS.

3'-0"

# SILL PLATE

(\*SEE OBC 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 FDTN. WALL. USE MORTAR TO LEVEL SILL PLATE WHEN

# 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 SLAB. THAN 50mm (2") TO THE SLAB.
FOUNDATION WALL INSULATION SHALL BE MINIMUM RSI. 3.52 (R20)
BLANKET INSULATION, APPROVED VAPOUR BARRIER, DAMPROOFING
W/BLDG. PAPER BETWEEN THE FDTN. AND INSUL.

## 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.

## ANS FOR FOOTING SIZES

STEEL BASEMENT COLUMN 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 DBC 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. REFER TO ARCHITECTURAL DRAWINGS OR

BLOCK PLANS FOR FOOTING SIZES

(\* SEE DBC 9.23.8.) BEAM POCKET OR 200x200 (8"x8") POURED CONCRETE NIB WALLS. MINIMUM BEARING 90mm (3-1/2")

(\* SEE OBC 9.23.4.3.(3)(c))

## STEEL BEAM STRAPPING

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

# 18)GARAGE SLAB

(\*SEE DBC 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 (\*SEE OBC 9.10.9.16.)

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 08C 9.10.13.15.)

DOOR AND FRAME GASPROOFING, DOOR EQUIPPED WITH SELF CLOSING DEVICE AND WEATHER STRIPPING.

## EXTERIOR STEP

EXTERIUR 31LF (\*SEE 0BC 9.8.9.2, 9.8.9.3 & 9.8.10.)

PRECAST CONCRETE STEP OR WD. STEP WHERE NOT EXPOSED TO WEATHER MAX. RISE 200mm (7-7/8"); MINIMUM TREAD  $\frac{250}{100}$ mm

DRYER VENT (\*SEE DBC 6.2.3.8.(7)

CAPPED DRYER EXHAUST VENTED TO EXTERIOR. USE 1000mm (4") DIA. SMOOTH WALL VENT PIPE.

ATTIC ACCESS

ATTIC ACCESS HATCH 545x700 (22"x28") WITH WEATHERSTRIPPING. RSI 5.46 (R31) RIGID INSULATION BACKING.

(\*DBC 9.21.-)

TOP OF 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.

## LINEN CLOSET

25 LINEN LLUBE:
4 SHELVES MIN. 350mm (14") DEEP.

## MECHANICAL EXHAUST

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

## STEEL BEARING PLATE FOR MASONRY WALLS

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.

WDDD BASEMENT PDST (\*DBC 9.17.4.)

3-38x140 (3-2"x6") BUILT-UP POST ON METAL BASE SHOE ANCHORED TO CONC. WITH 12.7 (1/2") DIA. BOLT ON 406x406x203 (16"x16"x8") CONC. FOOTING.

(\*DBC 9.15.3.9.)

(\*SEE OBC 9.16.-)

STEP FOOTINGS (\*08C 9.15.3.9.

MIN. HORIZ. STEP = 610mm (24"). MAX. VERT. STEP = 610mm (24")

## SLAB ON GRADE

31 SLAB LIN GRADE

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. 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 DBC 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

## EXPOSED BUILDING FACE (\* SEE DBC 9.10.1 EXTERIOR WALLS TO HAVE A FIRE RESISTANCE RATING OF NOT LESS

(\* SEE OBC 9.10.15.)

# WHERE THE 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 (<del>\*SEE 088 9.15.4.7</del>.)

**PACKAGE 'A1'** 

2012

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. NOTED REQUIREMENTS ARE PART

4 DESIGN BY ENGINEER

## 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.

## 39 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.

## 40 EXPOSED FLOOR TO EXTERIOR

(\*SB12 - 2.1.1.2.A)

PROVIDE RSI 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.

## 42 Exterior Walls For Walk-out Condition

THE EXTERIOR BASEMENT STUD WALL TO BE 38x140mm (2"x6") STUDS @400mm (16") o.c. MATCH FLOOR JOIST SPACING WHEN PARALEL WITH FLOOR JOISTS.

## 43 SMOKE ALARM •

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. (9.10.19.3.(3)).

## 44 CARBON MONOXIDE ALARM

WHERE A FUEL-BURNING APPLIANCE IS INSTALLED IN A 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

## 45 Soil Gas Control

(\*OBC 9.13.4.)

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



## **2012 CODE**

NOTIONS ON SITE BEFORE PROCEEDING WITH CONSTRUCTION.

OBSCREPANCIES SHALL BE REPORTED TO JARDIN DESIGN GROUP

PRIOR TO COMMENCEMENT OF WORK. ... PRION DESIGNAGEMENT OF WITH SESPONSIBLE FOR THE ACCURACT SURVEY, STRUCTURAL OR ENGINEERING INFORMATION SHOWN O IESE DRAWINGS OR FOR CONSTRUCTION STARTED PRIOR TO THE SUANCE OF A BUILDING PERMIT, REFER TO THE APPROPRIATE IGNEERING DRAWINGS BEFORE PROCEEDING WITH WORK. ONSTRUCTED INVERTS MUST BE VERIFIED PRIOR TO POURING AUG. 31, 2022 ADDED TO JOB: ISSUED FOR PERMI ARDIN DESIGN GROUP INC. HAS NOT BEEN RETAINED TO CARRY OLI SENERAL REVIEW OF THE WORK AND ASSUMES NO RESPONSIBILITY OR THE FAILURE OF THE CONTRACTOR OR SUB CONTRACTOR TO ARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT OCUMENTS. O.B.C UPDATE FOR STAIRS (JAN.1/20 MAR.14, 2022

AUG. 17, 2018 PREPARED TO PACKAGE "A1

DATE

ISSUED TO CLIENT

WORK DESCRIPTION

NOT THE GRANTING OF A PERMIT NOR REVIEWING OF SPECS & DRAWINGS NOR INSPECTIONS MADE DURING INSTALLATION BY THE OFFICIAL HAVING JURISDICTION SHALL RELIEVE THE OWNER FROM REQUIREMENTS OF THE ONTARIO BUILDING CODE AND ANY OTHER REFERENCED REQUIREMENTS.

Cherry 3E Block 119 Units 25 to 30

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

3.2.5 of the building colors

Walter Botter 2103 7

NAME SIGNATURE BCIN

REGISTRATION INFORMATION Required unless design is exempt under Division C, Subsectio 3.2.4 of the building code

jardin design group inc. 27763 IRM NAME

64 JARDIN DR. SUITE 3A

DESIGN GROUP INC VAUGHAN ONT. L4K 3P3

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GENERAL NOTES BARLASSINA CONSTRUCTION CITY OF CAMBRIDGE



CALE: N.T.S. 21-35

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CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND

### WINDOWS -CANADA ZONE C

### (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 (1'-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)

(\*□BC<u>9.5.2.3.)</u>

A GUARD IS REQUIRED WHERE THE TOP OF THE WNDOW SILL IS LOCATED LESS THAN 480mm (1'-6") ABOVE FIN. FLOOR AND THE DISTANCE FROM THE FIN. FLOOR TO THE ADJACENT GRADE IS GREATER THAN 1800mm (F" 14"). THAN 1800mm (5'-11") PROTECTION OF WINDOWS ONLY REQUIRED AT

STAIR/LANDINGS PER 9.8.8.1.(8). REMAINDER OF UNIT EXEMPT PER 9.8.8.1.(6)(a) 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

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 11.

### LUMBER:

STEEL:

- 1.)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.

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

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. 4.)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 LYL 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.

STRUCTURAL STEEL AND HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350W. REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

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

ISSUED TO CLIENT

WORK DESCRIPTION

### STABILITY OF NARROW (20'-25') & TALL (±30') Houses

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

- 1.)REDUCE THE FOUNDATION WALL SILL PLATE ANCHOR BOLT SPACING FROM 2400mm o.c. (7'-10") TO 1220mm o.c. (4'-0") FOR STANDARD CONDITIONS.
- $_{\rm 2.)} {\rm USE}$  9.5mm (3/8") THICK PLYWOOD OR WAFERBOARD FOR THE EXTERIOR 2.) WALL SHEATHING.
- TO STIFFEN THE STRUCTURE IN TRANSVERSE DIRECTION USE 9.5mm 3.)(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

### WOOD LINTELS AND BEAMS

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

### LOOSE STEEL LINTELS

 $\begin{array}{lll} L_1 &=& 3-1/2"x3-1/2"x1/4"L \ (90x90x6.0L) \\ L_2 &=& 4"x3-1/2"x5/16"L \ (100x90x8.0L) \\ L_3 &=& 5"x3-1/2"x5/16"L \ (125x90x8.0L) \\ L_4 &=& 6"x3-1/2"x3/8"L \ (150x90x10.0L) \\ L_5 &=& 6"x4"x3/8"L \ (150x100x10.0L) \\ L_6 &=& 7"x4"x3/8"L \ (175x100x10.0L) \\ \end{array}$ 

## LAMINATED VENEER LUMBER (LVL) BEAMS

LVL1A = 1-1 3/4" × 7 1/4" (1-45x184) LVL1 = 2-1 3/4" × 7 1/4" (2-45x184) LVL2 = 3-1 3/4" × 7 1/4" (3-45x184) LVL3 = 4-1 3/4" × 7 1/4" (4-45x184) LVL4A = 1-1 3/4" × 9 1/2" (1-45x240) LVL4 = 2-1 3/4" × 9 1/2" (2-45x240) LVL5 = 3-1 3/4" × 9 1/2" (3-45x240) LVL6A = 1-1 3/4" × 9 1/2" (4-45x240) LVL6A = 1-1 3/4" × 11 7/8" (1-45x300) LVL6 = 2-1 3/4" × 11 7/8" (2-45x300) LVL7 = 3-1 3/4" × 11 7/8" (3-45x300) LVL7A = 4-1 3/4" × 11 7/8" (4-45x300) LVL8 = 2-1 3/4" × 14" (2-45x356) LVL9 = 3-1 3/4" × 14" (3-45x356) LVL9 = 2-1 3/4" × 18" (2-45x356)

### LEGEND

DJ DOUBLE JOIST TJ TRIPLE JOIST GIRDER TRUSS GT 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

RAISED WOOD PLATE

\_\_\_\_\_\_ FLAT ARCH

FLOOR DRAIN

SMOKE ALARM. SEE NOTE SMOKE ALARM & CARBON MONOXIDE ALARM. SEE NOTE

EXTERIOR LIGHTING OUTLET WITH A FIXTURE CONTROLLED BY A WALL SWITCH LOCATED WITHIN THE BUILDING SHALL BE PROVIDED AT EVERY ENTRÂNCE TO THE BUILDING OF RESIDENTIAL OCCUPANCY AS PER 9.34.2.1.(1)

## **Door Schedule**

| NO. | WIDTH  | HEIGHT<br>8' TO 9'<br>CEILINGS |               | HEIGHT<br>10' OR MORE<br>CEILINGS |               | TYPE                    |
|-----|--------|--------------------------------|---------------|-----------------------------------|---------------|-------------------------|
| 1   | 2'-10" | 6'-8"                          | (865x2033)    | 8'-0"                             | (865x2439)    | INSULATED ENTRANCE DOOR |
| 1a  | 2'-8"  | 6'-8"                          | (815x2033)    | 8'-0"                             | (815x2439)    | INSULATED FRONT DOORS   |
| 2   | 2'-8"  | 6'-8"                          | (815x2033)    | 8'-0"                             | (815x2439)    | WOOD & GLASS DOOR       |
| 3   | 2'-8"  | 6'-8 x 1-3/4"                  | (815x2033x45) | 8'-0" x 1-3/4"                    | (815x2439x45) | EXTERIOR SLAB DOOR      |
| 4   | 2'-8"  | 6'-8" x 1-3/8"                 | (815x2033x35) | 8'-0" x 1-3/8"                    | (815x2439x35) | INTERIOR SLAB DOOR      |
| 5   | 2'-6"  | 6'-8" x 1-3/8"                 | (760x2033x35) | 8'-0" x 1-3/8"                    | (760x2439x35) | INTERIOR SLAB DOOR      |
| 6   | 2'-2"  | 6'-8" x 1-3/8"                 | (660x2033x35) | 8'-0" x 1-3/8"                    | (660x2439x35) | INTERIOR SLAB DOOR      |
| 7   | 1'-6"  | 6'-8" x 1-3/8"                 | (460x2033x35) | 8'-0" x 1-3/8"                    | (460x2439x35) | INTERIOR SLAB DOOR      |
| 8   | 3'-0"  | 6'-8" x 1-3/8"                 | (915x2033x35) | 8'-0" x 1-3/8"                    | (915x2439x35) | INTERIOR SLAB DOOR      |

PROFESS/ON සි B. MARINKOVIC 6/2022 NCE OF ONTAR FOR STRUCTURE ONLY

STRUDET INC.

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**2012 CODE** 

CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND NOTIONS ON SITE BEFORE PROCEEDING WITH CONSTRUCTION. OBSCREPANCIES SHALL BE REPORTED TO JARDIN DESIGN GROUI. PRIOR TO COMMENCEMENT OF WORK. ... PRION DESIGNATION OF COMMENTATION OF COMMENT OF COM ONSTRUCTED INVERTS MUST BE VERIFIED PRIOR TO POURING ARDIN DESIGN GROUP INC. HAS NOT BEEN RETAINED TO CARRY OLI SENERAL REVIEW OF THE WORK AND ASSUMES NO RESPONSIBILITY OR THE FAILURE OF THE CONTRACTOR OR SUB CONTRACTOR TO ARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT OCUMENTS. AUG. 31, 2022 ADDED TO JOB: ISSUED FOR PERMIT AUG. 17, 2018 PREPARED TO PACKAGE "A1

DATE

3.2.5 of the bulleng constraints and the subsection 3.2.5 of the subsectio REGISTRATION INFORMATION Required unless design is exempt under Division C, Subsectior 3.2.4 of the building code jardin design group inc. 27763

The undersigned has reviewed and takes responsibilit

a designer

IRM NAME

or this design and has the qualifications and meets the equirements set out in the Ontario Building Code to be

QUALIFICATION INFORMATION

DESIGN GROUP INC

64 JARDIN DR. SUITE 3A VAUGHAN ONT. L4K 3P3 TEL: 905 660-3377 FAX: 905 660-3713 EMAIL: info@jardindesign.ca

**GENERAL NOTES** 

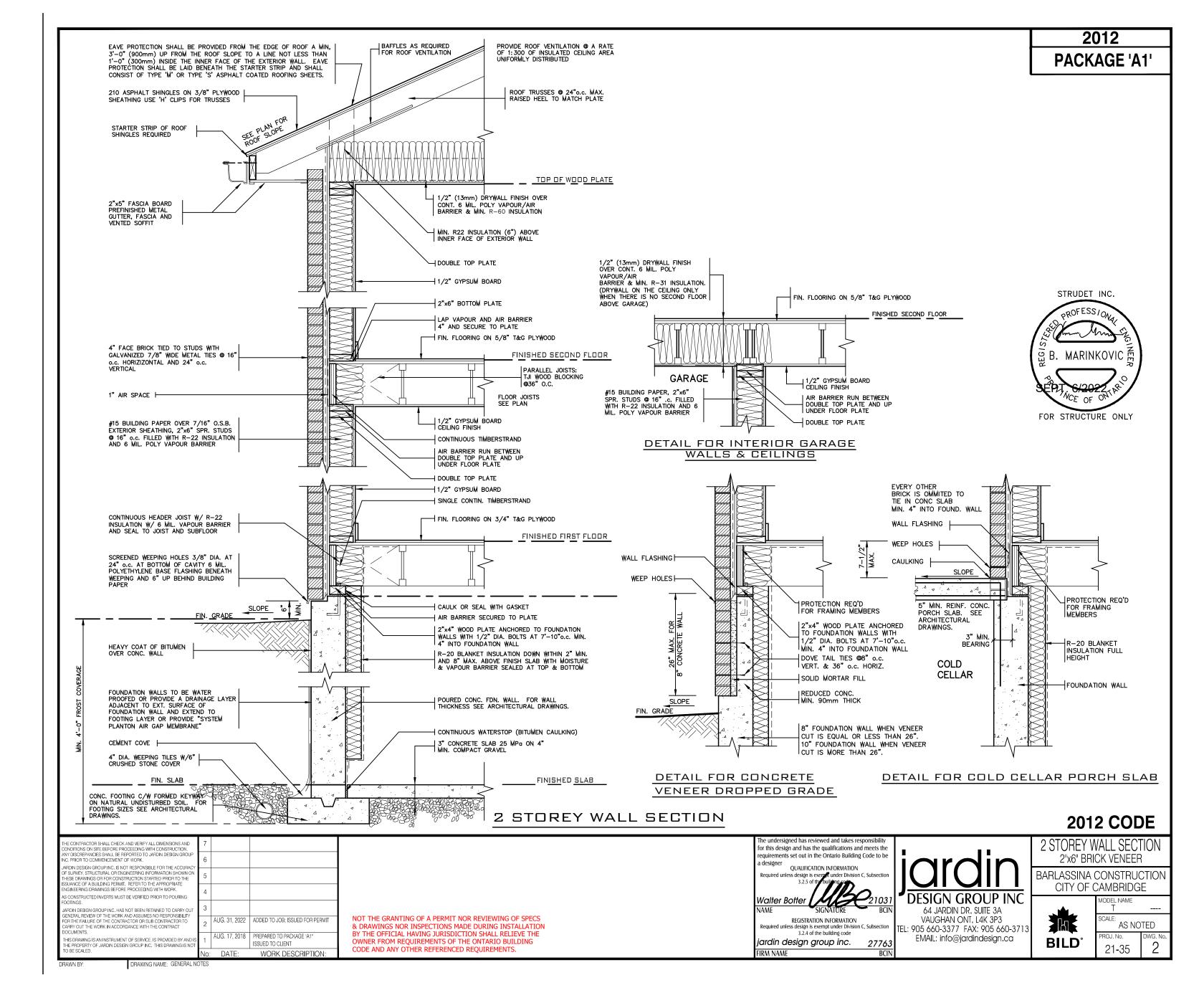
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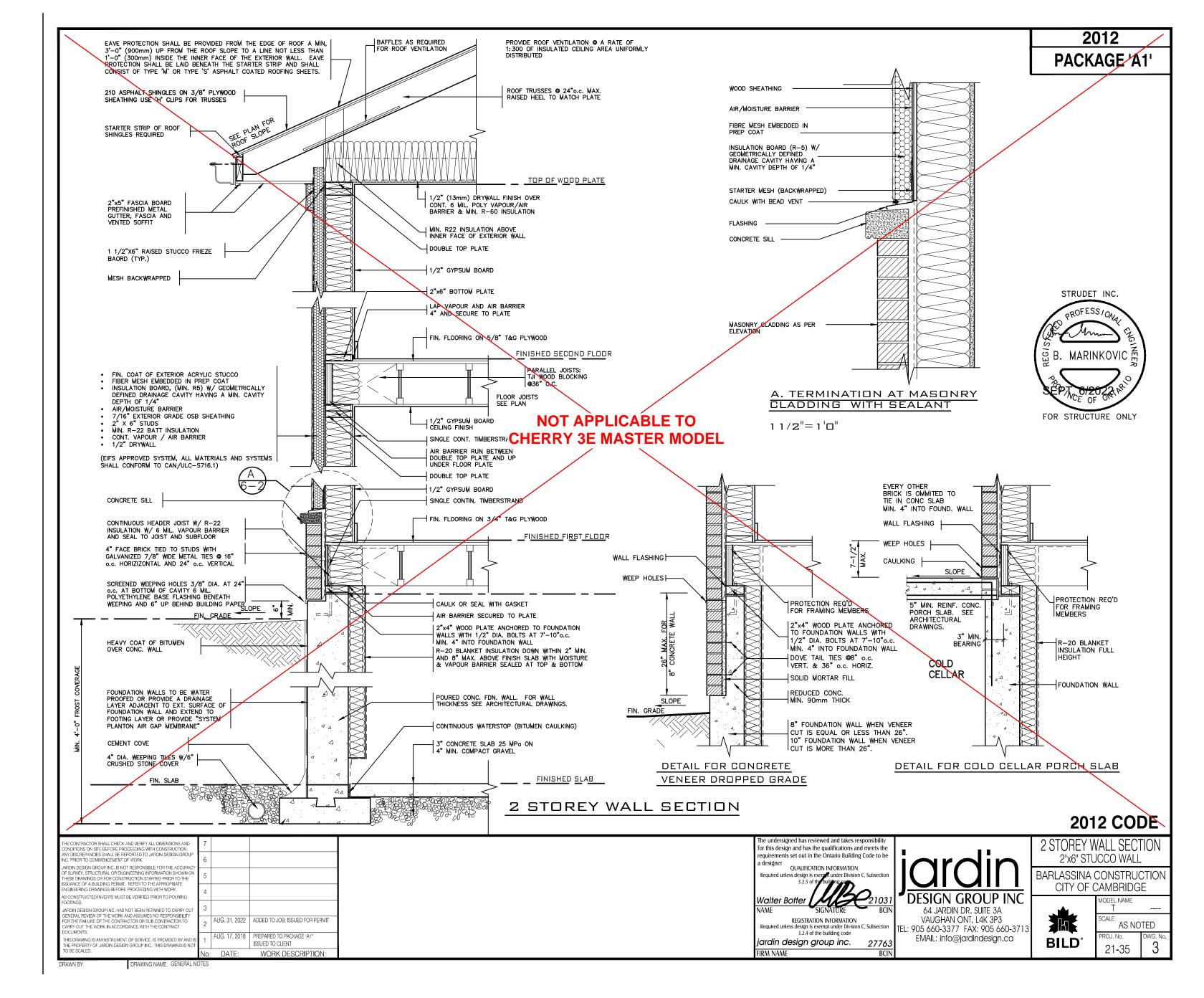


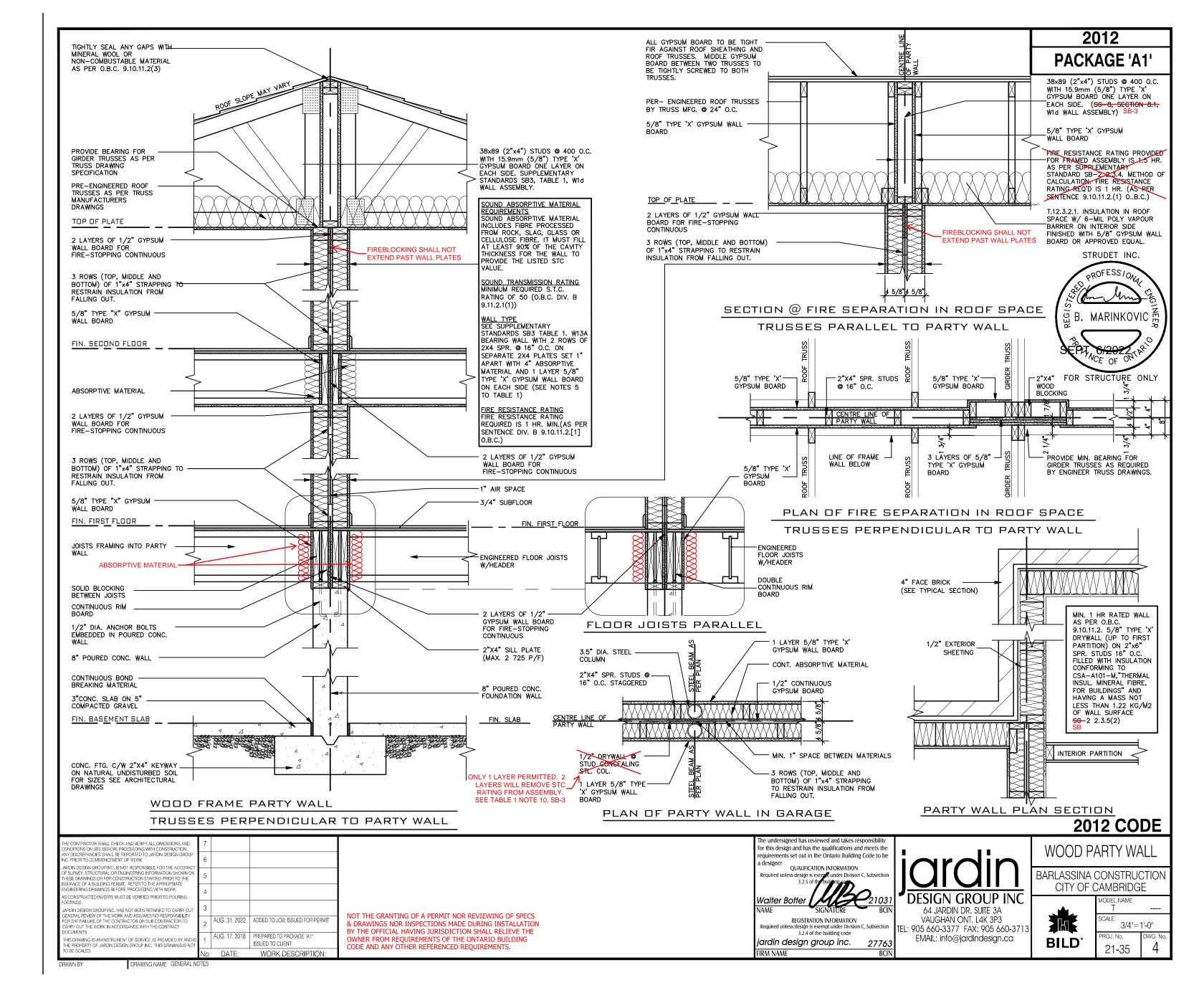
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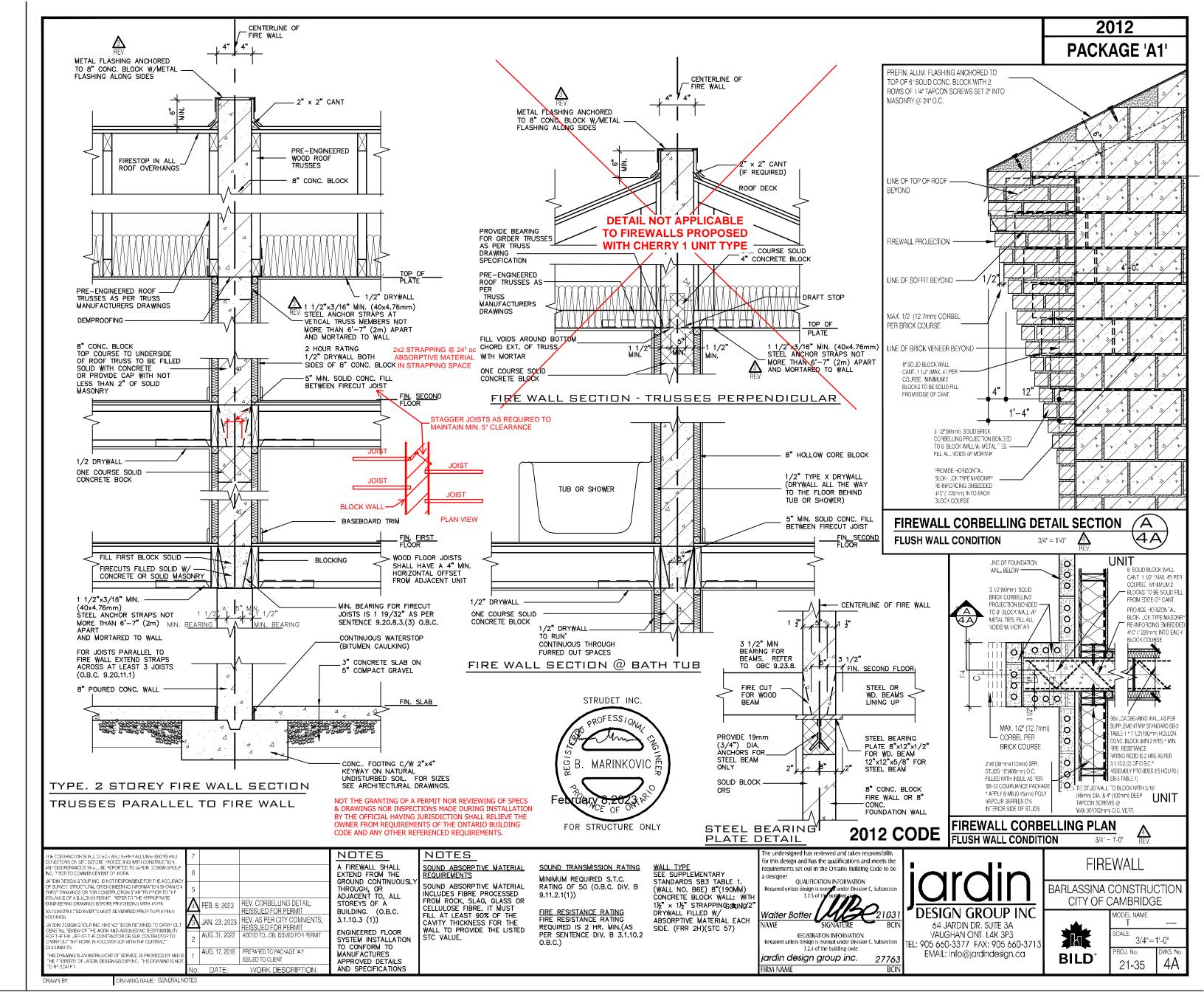
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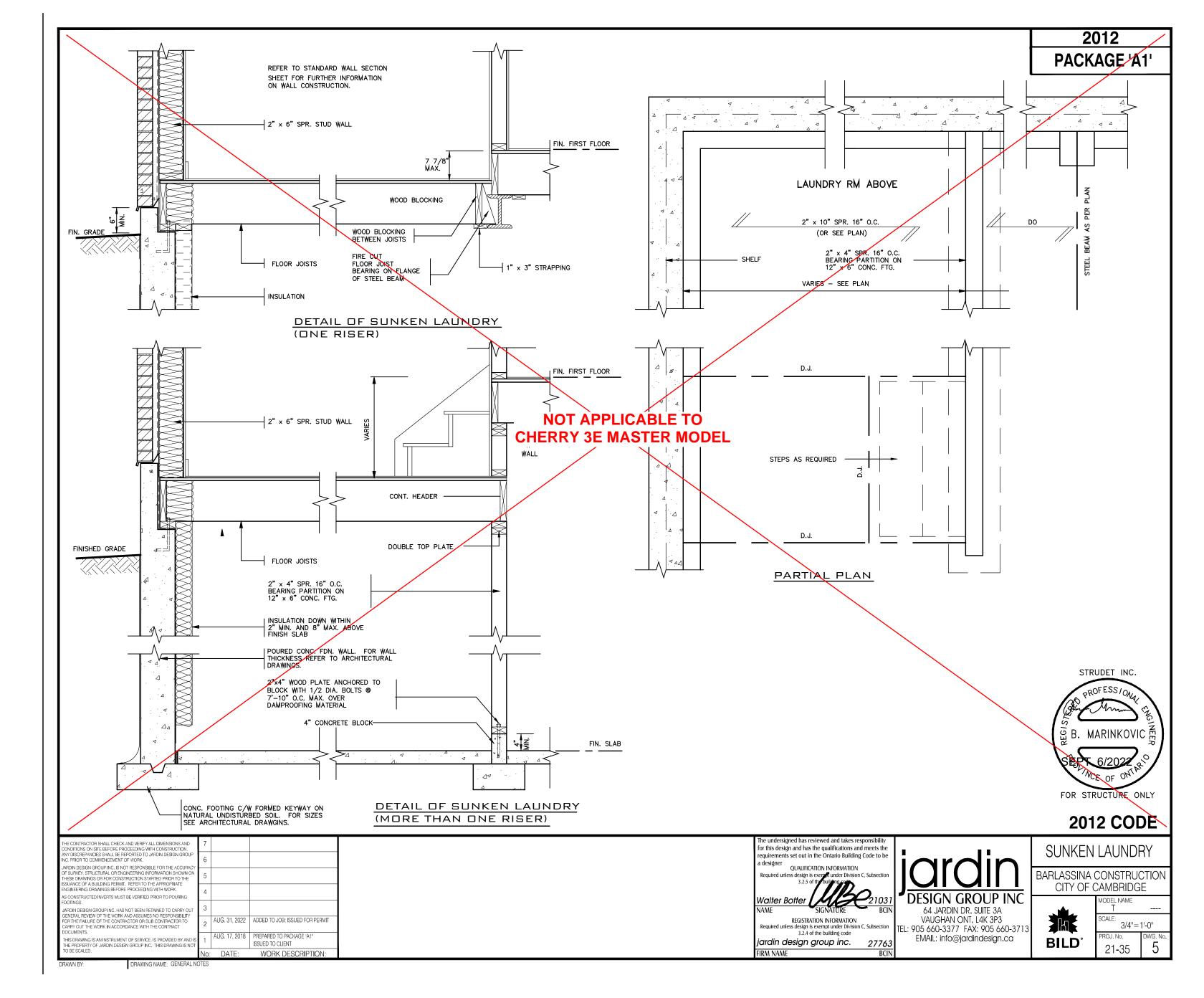
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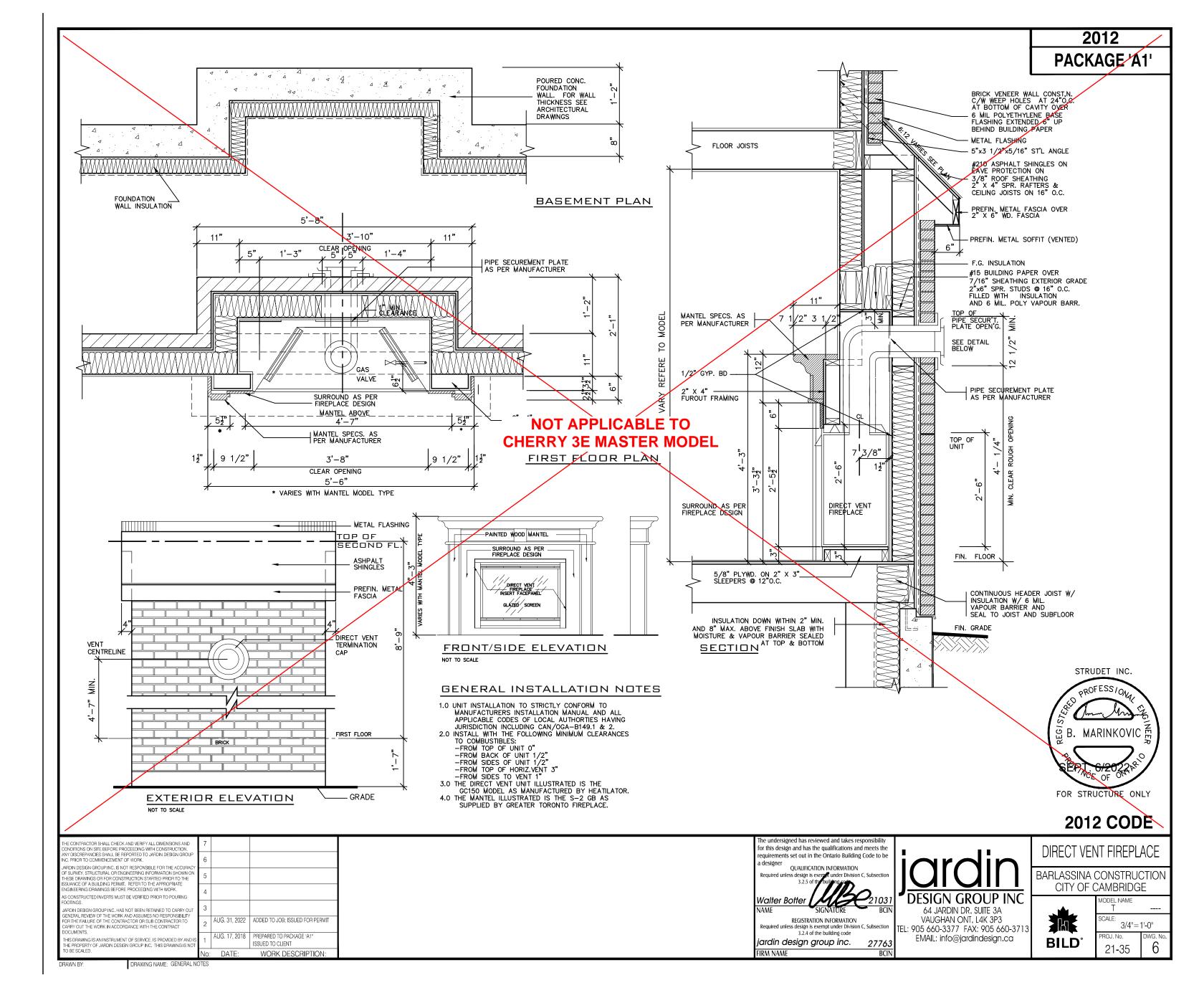


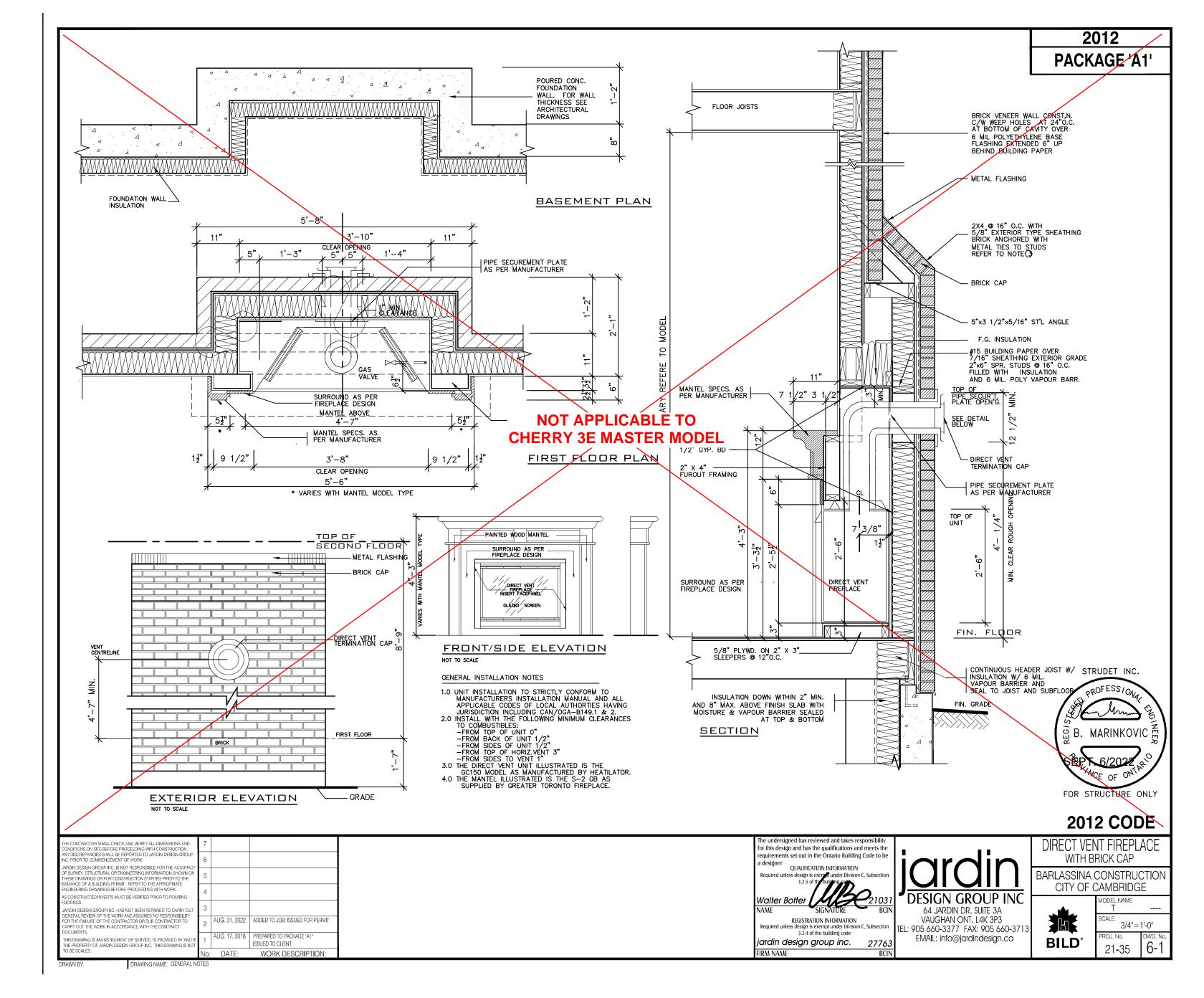


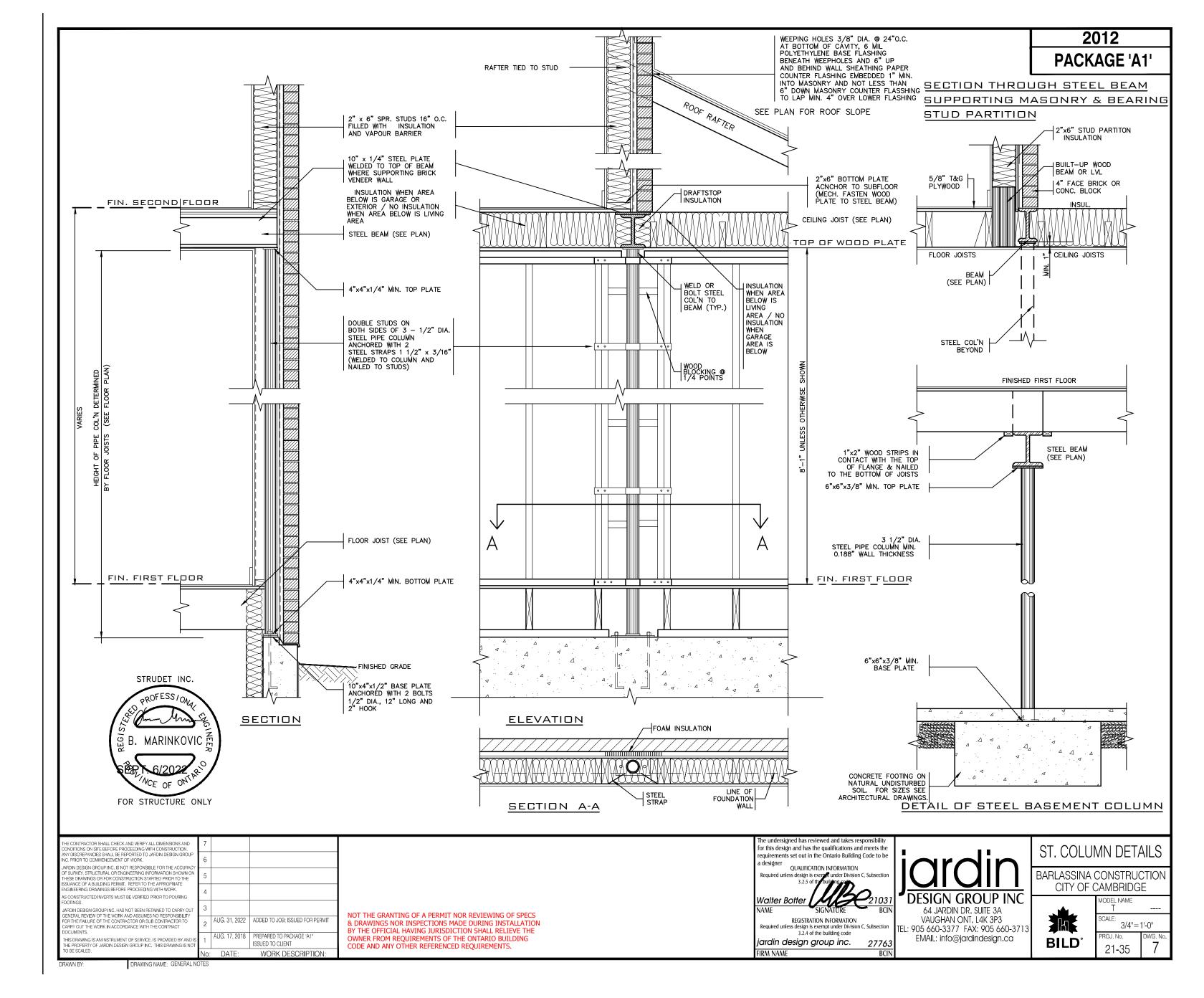


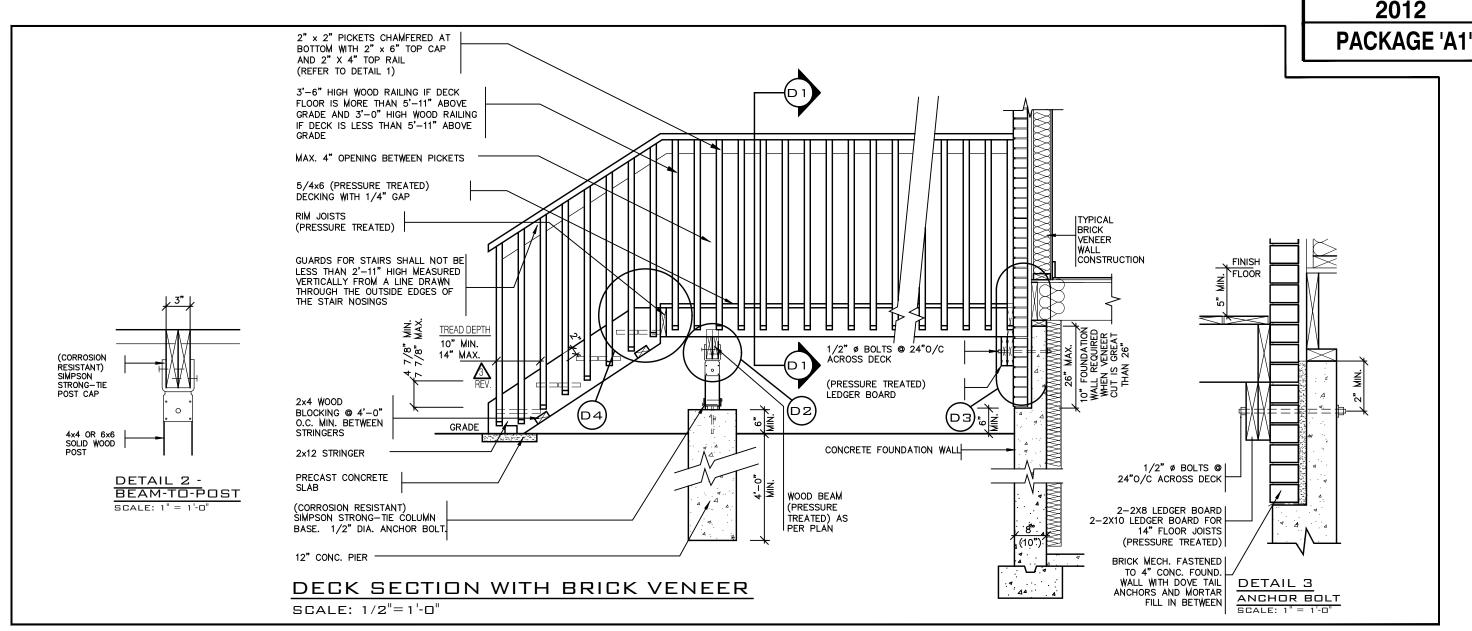


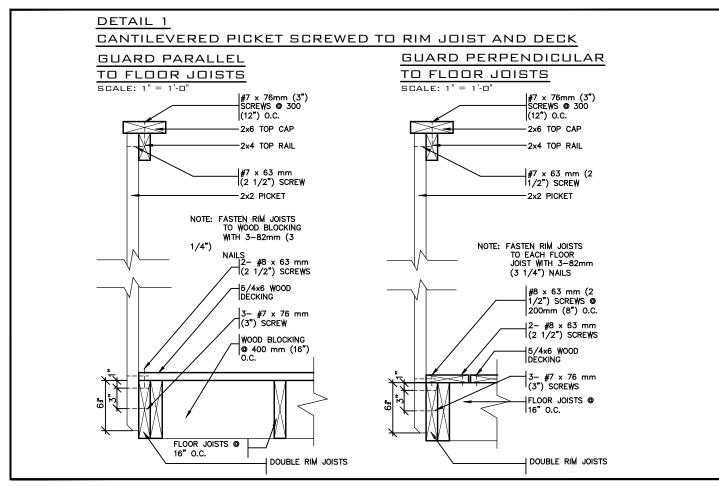


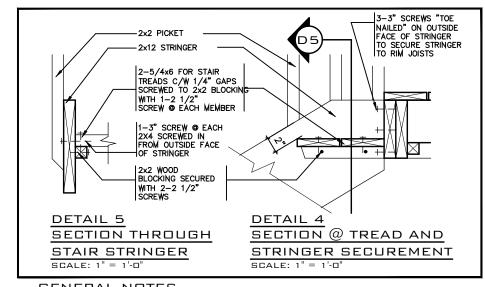












## GENERAL NOTES

1. BRICK TO BE COMPRESSIVE STRENGTH OF 15mPa (2200 p.s.i.) MIN. UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.

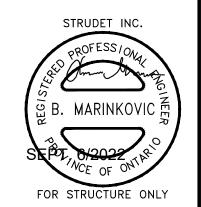
- MORTAR TO BE TYPE S WITH JOINT THICKNESS OF 10mm (3 /8") MIN. AND 20mm
- ALL NAILS AND SCREWS TO BE GALVANIZED.

4. 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

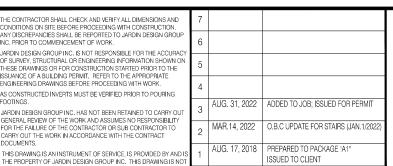
6. CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 20MPa AT 28 DAYS AND 5-8% AIR ENTRAINED.

7. FOOTING TO 150kPa [3130psf]. FOOTING TO BE PLACED ON UNDISTURBED SOIL WITH MIN. BEARING PRESSURE OF

FIRM NAME



**2012 CODE** 



DATE

WORK DESCRIPTION

NOT THE GRANTING OF A PERMIT NOR REVIEWING OF SPECS & DRAWINGS NOR INSPECTIONS MADE DURING INSTALLATION
BY THE OFFICIAL HAVING JURISDICTION SHALL RELIEVE THE
OWNER FROM REQUIREMENTS OF THE ONTARIO BUILDING CODE AND ANY OTHER REFERENCED REQUIREMENTS.

he undersioned has reviewed and takes responsibili for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer QUALIFICATION INFORMATION Walter Botter SIGNATURE BCIN

REGISTRATION INFORMATION Required unless design is exempt under Division C, Subsectio 3.2.4 of the building code jardin design group inc.

64 JARDIN DR. SUITE 3A VAUGHAN ONT. L4K 3P3

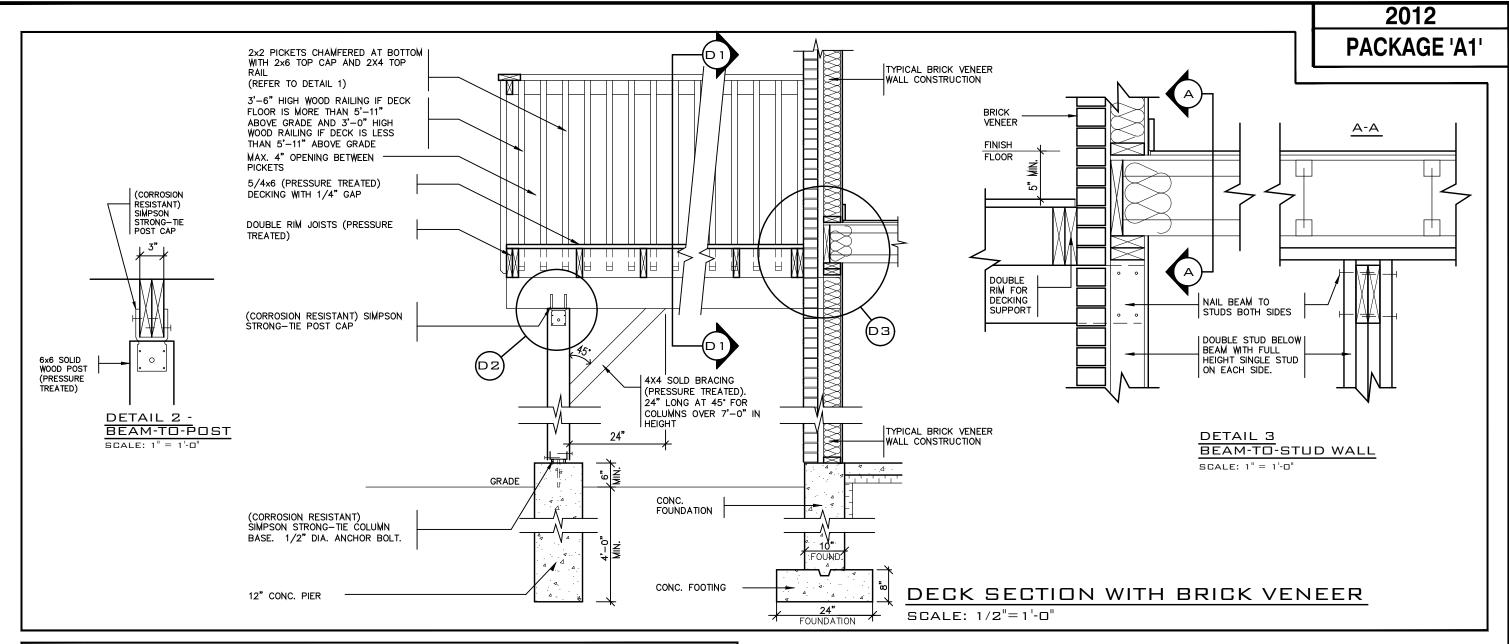
DESIGN GROUP INC 905 660-3377 FAX: 905 660-371 EMAIL: info@jardindesign.ca

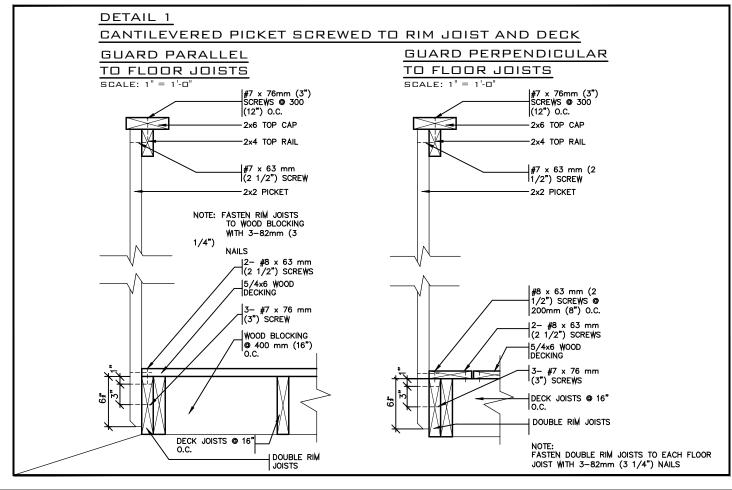
WOOD DECK DETAIL

BARLASSINA CONSTRUCTION CITY OF CAMBRIDGE



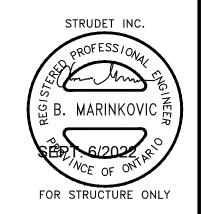
AS SHOWN 21-35





## GENERAL NOTES

- 1. THE DECK HAS BEEN DESIGNED TO SAFELY SUPPORT A SUPERIMPOSED LOAD OF 1.9kPa [40psf].
- 2. ALL NAILS AND SCREWS TO BE GALVANIZED.
- 3. WOOD FOR CANTILEVERED PICKETS PICKETS SHALL BE DOUGLAS FIR-LARCH, SPRUCE-PINE-FIR, OR HEM-FIR SPECIES.
- 4. CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 20MPa AT 28 DAYS AND 5-88%% AIR ENTRAINED.
- FOOTING TO BE PLACED ON UNDISTURBED SOIL WITH MIN. BEARING PRESSURE OF 150kPa [3130psf].



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RIGHT DESIGN ACOUPTION, IS NOT RESPONSIBLE FOR THE ACCURA
F SURVEY, STRUCTURAL OR ENGINEERING INFORMATION SHOWN O
RESE DRAWINGS OR FOR CONSTRUCTION STARTED PRIOR TO THE
SUANCE OF A BULDING PERMIT, REFER TO THE APPROPRIATE
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WORK DESCRIPTION

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Walter Botter 21031
NAME SIGNATURE BCIN REGISTRATION INFORMATION Required unless design is exempt under Division C, Subsectior 3.2.4 of the building code

jardin design group inc. 27763 FIRM NAME



64 JARDIN DR. SUITE 3A VAUGHAN ONT. L4K 3P3 905 660-3377 FAX: 905 660-3713 EMAIL: info@jardindesign.ca

WALK-OUT DECK DETAIL

BARLASSINA CONSTRUCTION CITY OF CAMBRIDGE



AS SHOWN 8-1 21-35

