Table 7
Minimum fastening requirements
(See Clauses 8.2.5, 9.4, 10.4, 10.7.2.1, 12.2.1, 12.3.1.2, 12.3.2, 13.3.1, and 13.7.)

	Construction detail	Minimum length of nails, mm (in)	Minimum number or maximum spacing of fasteners
Foundation wall framing (nails)	Bottom wall plate to wood footing plate	76 (3)	600 mm (24 in) centres
	Bottom wall plate to wall stud (end nail)	76 (3)	2 each stud
	(toe nail)	63 (2-1/2)	3 each stud
	Top wall plate to stud (end nail)		
	– 38 x 140 mm (2 × 6 in) stud	89 (3-1/2)	3 each stud
	– 38 x 184 mm (2 × 8 in) stud	89 (3-1/2)	4 each stud
	Plate to plate nailing for doubled top plates		
	– 38 x 140 mm (2 × 6 in) stud	76 (3)	2 each stud space
	– 38 x 184 mm (2 × 8 in) stud	76 (3)	3 each stud space
	Horizontal wall blocking to wall stud	76 (3)	2 each end of each block
Floor framing (nails)	End wall blocking to floor joists	76 (3)	400 mm (16 in) centres
	Full depth end wall blocking to floor joists (end nail)	76 (3)	2 each end of each block
	Suspended floors — floor joist to ledger and to top plate of interior bearing support(toe nail)	76 (3)	2 per joist
	Ledger strip to wall stud	89 (3-1/2)	3 each stud
Floor attachment to foundation wall (nails and framing straps)	Floor joists and blocking at top of foundation wall to top wall plate (toe nail)		
	– 38 x 140 mm (2 × 6 in) wall plate	89 (3-1/2)	3 per joist or per block
	– 38 x 184 mm (2 × 8 in) wall plate	89 (3-1/2)	4 per joist or per block
	In addition, framing straps are required where backfill height exceeds a) 1500 mm (5 ft) with sleeper or slab floor; or b) 2000 mm (6 ft-6 in) with suspended wood floor.	76 (3)	1 framing strap at every stud, with 3 nails into floor header and 3 nails into inner face of foundation wall stud

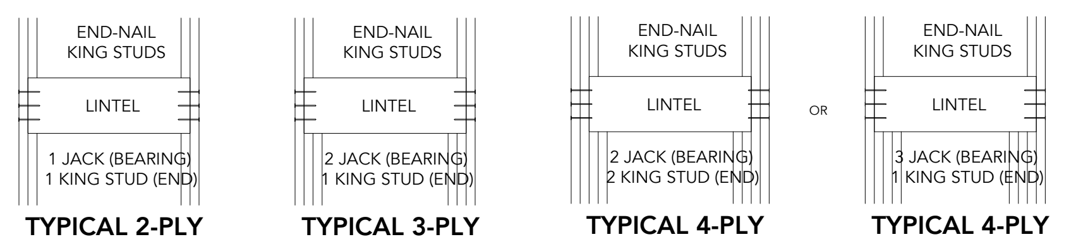
(Continued)

Table 7 (Concluded)

	Construction detail	Minimum length of nails, mm (in)	Minimum number or maximum spacing of fasteners
Wall sheathing and subfloor (nails or staples)	Sheathing to wall framing* and subfloor to floor joists		
	– Nails	51 (2)	150 mm (6 in) centres along edges and 300 mm (12 in) centres along intermediate supports
	– Staples	51 (2)	100 mm (4 in) centres along edges and 200 mm (8 in) centres along intermediate supports
Framing around windows (framing anchors)	In addition to normal nailing requirements, framing anchors are required where backfill height exceeds 1200 mm (4 ft), at sill plate to		
	– cripple studs	51 (2)	1 framing anchor at each point, nailed as required by manufacturer.
	– jack studs	51 (2)	2 framing anchors at each point, nailed as required by manufacturer.
Additional Nailing requirements for high wind and seismic locations	Rim joist, trimmer joist or blocking to sill plate or top wall plate - toe nail	82	150 mm (6 in) on centre
	Bottom wall plate or sole plate to floor joists, rim joists or blocking	82	150 mm (6 in) on centre
	Sheathing to wall framing for uniform backfill height	63	150 mm (6 in) centres along edges and 300 mm (12 in) centres along intermediate supports

Notes:
1) **Table 7 applies for sheathing to wall framing nailing when backfill height is uniform. When backfill height is not uniform, per the Note to Clause 4.3, Table shall apply.*
2) *Nails used in Table 7 shall have minimum diameters of:*
   a) *2.84 mm for 51 mm long nails;*
   b) *3.25 mm for 63 mm long nails;*
   c) *3.66 mm for 76 mm long nails; and*
   d) *4.06 mm for 89 mm long nails.*

LINTEL DIAGRAM



DRAWING LEGEND

▢	FLOOR DRAIN	⌂	SECTION CALL OUT
—	BEAM LOCATION	C.M.	CARBON MONOXIDE ALARM
▤	MECHANICAL EXHAUST FAN	■ S.A.	SMOKE ALARM
○	STEEL COLUMN	BEAM X	BEAM CALL OUT
I	I-JOIST SECTION	X	WALL TAG
▨	WOOD STUD / BUILT UP BEAM	⬡	CONSTRUCTION NOTE
		⟋	FRAMING CALL OUT

FOOTING SCHEDULE

FT

FT1	16" x 8" STRIP FOOTING
FT2	18" x 8" STRIP FOOTING
FT3	20" x 8" STRIP FOOTING
FT4	22" x 8" STRIP FOOTING
FT5	24" x 8" STRIP FOOTING

PROVIDE 2-15M CONT. BARS THROUGHOUT FOOTING W/ MIN. 2-1/2" CONCRETE COVER TYP. UNLESS NOTED OTHERWISE

PAD FOOTING SCHEDULE

PF-X

PF1	24" x 24" x 12" PAD FOOTING
PF2	30" x 30" x 16" PAD FOOTING
PF3	36" x 36" x 18" PAD FOOTING
PF4	42" x 42" x 20" PAD FOOTING
PF5	48" x 48" x 24" PAD FOOTING
PF6	66" x 66" x 30" PAD FOOTING
PF7	84" x 84" x 36" PAD FOOTING

PROVIDE 15M BARS EACH WAY @ 12" O.C. TOP AND BOTTOM UNLESS NOTED OTHERWISE

STEEL COLUMN SCHEDULE

C-X

C1	90MM (3 - ½") DIA. x 4.73MM (0.188") NON-ADJUSTABLE STEEL COLUMN W/ 150MM x 150MM x 9.5MM (6" x 6" x ⅜") STEEL TOP AND 120MM x 250MM x 12.5 MM (4 ½" x 10" x ½") BOTTOM PLATE W/ 2-12MM (½") x 300MM (1'-0") LONG x 50MM (2") HOOK ANCHORS. FIELD WELD COLUMN TO BASE
C2	90MM (3 - ½") DIA. x 4.73MM (0.188") NON-ADJUSTABLE STEEL COLUMN W/ 150MM x 150MM x 9.5MM (6" x 6" x ⅜") STEEL TOP AND 300MM x 300MM x 12.5MM (12" x 12" x ½") BOTTOM PLATE W/ 4-12MM (½") x 300MM (1'-0") LONG x 50MM (2") HOOK ANCHORS. FIELD WELD COLUMN TO BASE
C3	90MM (3 - ½") DIA. x SINGLE TUBE ADJUSTABLE STEEL COLUMN CONFORMING TO CAN/CGSB-7.2M x W/ 150MM x 150MM x 9.5MM (6" x 6" x ⅜") STEEL TOP AND 120MM x 250MM x 12.5 MM (4 ½" x 10" x ½") BOTTOM PLATE W/ 2-12MM (½") x 300MM (1'-0") LONG x 50MM (2") HOOK ANCHORS. FIELD WELD COLUMN TO BASE

ADJUSTABLE STEEL POSTS TO BE VERIFIED FOR LOAD BEARING CAPACITY BY ENGINEER OR DESIGNER PRIOR TO INSTALLATION

LINTEL SCHEDULE

LINTEL X

L0	2-2" x 4" WOOD LINTEL
L1	2-2" x 6" WOOD LINTEL
L2	2-2" x 8" WOOD LINTEL
L3	2-2" x 10" WOOD LINTEL
L4	2-2" x 12" WOOD LINTEL

PROVIDE NAILING PATTERN @ 16" O.C. W/ HEADS OF NAILS ON INTERIOR SIDE TYP.

STEEL LINTEL SCHEDULE

LINTEL X

SL1	3 ½" x 3 ½" x ¼" STEEL LINTEL
SL2	4" x 3 ½" x ¼" STEEL LINTEL
SL3	5" x 3 ½" x $\frac{5}{16}$" STEEL LINTEL
SL4	5" x 3 ½" x ⅜" STEEL LINTEL
SL5	6" x 4 x ⅜" STEEL LINTEL
SL6	7" x 4" x ½" STEEL LINTEL

WOOD POST SCHEDULE

P-X

P1	2-2" x 4" BUILT-UP WOOD POST
P2	3-2" x 4" BUILT-UP WOOD POST
P3	4-2" x 4" BUILT-UP WOOD POST
P4	2-2" x 6" BUILT-UP WOOD POST
P5	3-2" x 6" BUILT-UP WOOD POST
P6	4-2" x 6" BUILT-UP WOOD POST
P7	5-2" x 6" BUILT-UP WOOD POST

WOOD BEAM SCHEDULE

DROPPED/FLUSH X

B1	3-2" x 6" WOOD BEAM
B2	4-2" x 6" WOOD BEAM
B3	3-2" x 8" WOOD BEAM
B4	4-2" x 8" WOOD BEAM
B5	3-2" x 10" WOOD BEAM
B6	4-2" x 10" WOOD BEAM
B7	3-2" x 12" WOOD BEAM
B8	4-2" x 12" WOOD BEAM

LEDGER BOARD SCHEDULE

LEDGER X

LDG	PROVIDE 2-2" x 10" W/ ½" LAG BOLTS ANCHORED TO TOP OF CONCRETE FOUNDATION WALL @ 2'-0" O.C.

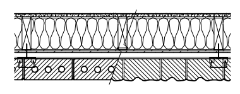
SOIL

FOUNDATIONS TO BEAR ON NATURAL UNDISTURBED SOIL. BEARING SOIL CAPACITY OF 75 kPA MIN. TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INFORM THE DESIGNER OR ENGINEER OF ANY DISCREPANCIES PRIOR TO FORMING OF FOOTINGS

WALL SCHEDULE - COMPLIANCE PACKAGE ZONE 1 OF 3.1.1.11. OBC

THE THERMAL VALUES IDENTIFIED IN THE ENERGY EFFICIENCY DESIGN SUMMARY (EEDS) FORM SHALL GOVERN OVER THOSE IN THE ARCHITECTURAL DRAWING SET IF ANY DISCREPANCIES EXIST.

W1



STONE/BRICK VENEER WALL CONSTR.

- 50MM (2") NATURAL STONE / BRICK VENEER OR AS PER PRODUCT MANUFACTURER WITH LATHE AND MORTAR AS PER MANUFACTURER REQ'S.

-25MM (1") CONTINUOUS RSI 0.88CI (R5CI) RIGID FOAM BOARD INSULATION

- TYVEK AIR BARRIER OR APPROVED EQUAL (SHEATHING PAPER)

- 13MM (½") EXTERIOR GRADE PLYWOOD SHEATHING

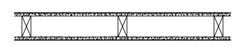
- 38MM x 140MM (1-½" x 5-½") WOOD STUDS @ 406MM (1'-4") O.C.

-RSI 3.87 (R22) INSULATION IN VOID SPACE B/W WOOD STUDS

- 6 MIL POLYETHYLENE VAPOUR BARRIER OR APPROVED EQUAL

- 13MM (½") GYPSUM WALL BOARD INTERIOR FINISH

P1



2" X 4" INTERIOR PARTITION

- 13MM (½") GYPSUM WALL BOARD

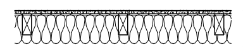
- 38MM x 89MM (2" x 4") @ 400MM (1'-4") O.C. BEARING PARTITIONS TO BE 38MM x 89MM (2" x 4") @ 400MM (1'-4") O.C. FOR TWO (2) STOREYS

AND

- 300MM (1'-0") O.C. FOR 3 STOREYS

- 13MM (½") GYPSUM WALL BOARD

P4



2" X 4" INTERIOR STRAPPING AT FOUNDATION WALL (INSULATED)

-13MM (½") GYPSUM WALL BOARD

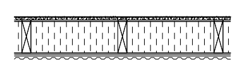
-6 MIL POLYETHYLENE VAPOUR BARRIER OR APPROVED EQUAL

-38MM x 89MM (2" x 4") @ 400MM (1'-4") O.C. 2" AWAY FROM WALL

-CONTINUOUS R20 BLOWN-IN INSULATION

-GRADE DAMPROOF W/ BLDG. PAPER UP TO GRADE LEVEL

F1



SIP PANEL VINYL FOUNDATION WALL

-BITUMINOUS DAMPROOFING

-DRAINAGE MAT

-8" STRUCTURAL INSULATED PANELS (SIPs)

W2

SIP PANEL VINYL WALL CONSTRUCTION

- VINYL SIDING VENEER AS PER MANUFACTURER

- TYVEK AIR BARRIER OR APPROVED EQUAL (SHEATHING PAPER)

- 8" STRUCTURAL INSULATED PANELS (SIPs)

- 6 MIL POLYETHYLENE VAPOUR BARRIER OR APPROVED EQUAL

- 13MM (½") GYPSUM WALL BOARD INTERIOR FINISH

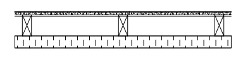
P1a

2" X 4" INTERIOR STRAPPING

- 13MM (½") GYPSUM WALL BOARD

- 38MM x 89MM (2" x 4") @ 400MM (1'-4") O.C.

P4a



2" X 4" INTERIOR PARTITION AT FOUNDATION WALL (INSULATED)

- 13MM (½") GYPSUM WALL BOARD

- 6 MIL POLYETHYLENE VAPOUR BARRIER OR APPROVED EQUAL

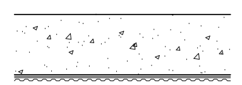
-89MM (3 ½") RSI 2.11 (R12) BATT INSULATION

- 38MM x 89MM (2" x 4") @ 400MM (1'-4") O.C.

- 50MM (2") CONTINUOUS RSI 1.76CI (R10CI) RIGID FOAM BOARD INSULATION

- GRADE DAMPROOF W/ BLDG. PAPER UP TO GRADE LEVEL

F2



10" FOUNDATION WALL

-250MM (10") POURED CONCRETE FOUNDATION WALL (20 MPa)

OR
-250MM (10") CONCRETE MASONRY UNITS

- BITUMINOUS DAMPROOFING

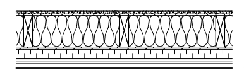
-DRAINAGE MAT

FOUNDATION WALL REINFORCED WITH 2-15M REBARS TOP OF FOUNDATION WALL TYP. WITH 10M REBARS AT 2'-0" HORIZONTALLY

ENSURE MIN. 1 ½" CONC. COVER

SEE DETAILS FOR REFERENCE IF REQUIRED

W3



SIDING WALL CONSTRUCTION

- PREF. SIDING VENEER AS PER MANUFACTURER

- 19MM X 64MM (1" X 3") WOOD STRAPPING @ 406 MM (1'-4") O.C.

-38MM (1-½") R7.5 RIGID FOAM INSULATION

- TYVEK AIR BARRIER OR APPROVED EQUAL (SHEATHING PAPER)

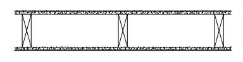
- 13MM (½") EXTERIOR GRADE PLYWOOD SHEATHING

- 38MM x 140MM (1-½" x 5-½") WOOD STUDS @ 406MM (1'-4") O.C. W/ RSI 3.87 (R22) INSULATION IN VOID SPACE B/W WOOD STUDS

- 6 MIL POLYETHYLENE VAPOUR BARRIER OR APPROVED EQUAL

- 13MM (½") GYPSUM WALL BOARD INTERIOR FINISH

P2



2" X 6" INTERIOR PARTITION

- 13MM (½") GYPSUM WALL BOARD

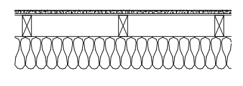
- 38MM x 140MM (2" x 6") @ 400MM (1'-4") O.C. BEARING PARTITIONS TO BE 38MM x 140MM (2" x 6") @ 400MM (1'-4") O.C. FOR TWO (2) STOREYS

AND

- 300MM (1'-0") O.C. FOR 3 STOREYS

- 13MM (½") GYPSUM WALL BOARD

P4b



2" X 3" INTERIOR PARTITION AT FOUNDATION WALL (INSULATED)

- 13MM (½") GYPSUM WALL BOARD

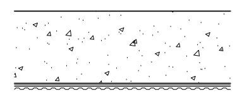
- 6 MIL POLYETHYLENE VAPOUR BARRIER OR APPROVED EQUAL

- 38MM x 64MM (2" x 3") @ 400MM (1'-4") O.C.

- 140MM (5½") CONTINUOUS RSI 3.52CI (R20CI) BATT INSULATION

- GRADE DAMPROOF W/ BLDG. PAPER UP TO GRADE LEVEL

F3



12" FOUNDATION WALL

-300MM (12") POURED CONCRETE FOUNDATION WALL (20 MPa)

OR

-300MM (12") CONCRETE MASONRY UNITS

-BITUMINOUS DAMPROOFING

-DRAINAGE MAT

FOUNDATION WALL REINFORCED WITH 2-15M REBARS TOP OF FOUNDATION WALL TYP. WITH 10M REBARS AT 2'-0" HORIZONTALLY

ENSURE MIN. 1 ½" CONC. COVER

SEE DETAILS FOR REFERENCE IF REQUIRED

CONSTRUCTION NOTE SCHEDULE

ALL CODE REFERENCES ARE REFERENCED FROM PART 9 OF THE 2017 O.B.C.

① 1. WEEPER TILE

100 MM (4") DIA. WEEPER TILE W/ 150 MM (6") MIN. CRUSHED GRANULAR.

② 2. POURED CONCRETE BASEMENT SLAB

125 MM (5") 25 MPa (3600 psi) POURED CONCRETE SLAB C/W 6X6 6/6 W.W.M C/W 6 MIL. POLY. VAPOUR BARRIER OVER 2" RIGID INSULATION ON 150 MM (6") CRUSHED GRANULAR FILL.

③ 3.POURED CONCRETE GARAGE SLAB

125 MM (5") 32 MPa (4640 psi) POURED CONCRETE SLAB W/ 5-8% AIR ENTRAINMENT AND 6X6 -6/6 W.W.M. ON 50MM (2") R10 EXTRUDED POLYSTYRENE (XPS) RIGID INSULATION, 100MM (4") COARSE GRANULAR FILL W/ COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. SLOPE TO FRONT OF GARAGE MIN. 1%.

④ 4. COLD STORAGE PORCH SLAB- FOR A MAX. 2500 MM (8'-3") PORCH DEPTH

130 MM (5") 32 MPa (4640 psi) CONCRETE SLAB W/ 5-8% AIR ENTRAINMENT. REINFORCE W/ 10M BARS @ 200MM (8") O.C. EACH WAY IN BOTTOM THIRD OF SLAB, 610MM x 610MM (24" x 24") DOWELS @ 600MM (24") O.C. ANCHORED IN PERIMETER FOUNDATION WALLS. SLOPE SLAB MIN. 1% FROM DOOR.

⑤ 5. SILL PLATE

38MM x 89MM (2" x 4") SILL PLATE W/ 13MM (1/2") DIA. 200MM (8") LONG ANCHOR BOLTS EMBEDDED MIN. 100MM (4") INTO CONCRETE FOUNDATION WALL @ 2400MM (7'-10") O.C. PROVIDE CAULKING OR 25MM (1") MIN. MINERAL WOOL B/W SILL PLATE AND TOP OF CONCRETE FOUNDATION WALL. USE NON-SHRINK GROUT TO LEVEL SILL PLATE WHERE REQUIRED.

⑥ 6. WOOD IN CONTACT WITH CONCRETE

WOOD FRAMING MEMBERS THAT ARE NOT PRESSURE TREATED AND IN CONTACT WITH CONCRETE THAT IS LESS THAN 150 MM (6") ABOVE GRADE OR CONCRETE SLAB SHALL BE PROTECTED WITH 6 MIL. POLYETHYLENE FILM OR 45 LB (NO. 50) ROLL ROOFING DAMPPROOFING BETWEEN WOOD AND CONCRETE.

⑦ 7. BEAM BEARING

PROVIDE BEAM POCKET OR 200MM x 250MM (8" x 10") POURED CONCRETE NIB WALL. MIN. BEARING TO BE 90MM (3-1/2").

⑧ 8. FOUNDATION WALL REDUCTION

WHERE THE TOP OF A FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT THE INSTALLATION OF FLOOR JOISTS, THE REDUCED SECTION SHALL BE NOT MORE THAN 350MM (14") AND NOT LESS THAN 90MM (3-1/2") THICK.

⑨ 9. EXPOSED FLOOR TO EXTERIOR

PROVIDE RSI 5.46 (R31) INSULATION, 6 MIL. POLY. VAPOUR BARRIER AND CONT. TYVEK AIR BARRIER W/ PREF. SOFFIT.

⑩ 10. FLOOR CONSTRUCTION

PROVIDE $\frac{23}{32}$" SUBFLOOR SHEATHING SCREWED AND GLUED TO FLOOR JOISTS. ALL FLOOR IN RESIDENTIAL OCCUPANCIES TO BE FINISHED AND OR WATER RESISTANT AS PER 9.30.1.1 AND 9.30.1.2. REFER TO 9.30.6 FOR CERAMIC TILE APPLICATION. PROVIDE 38MM x 38MM (2" x 2") CROSS BRACING OR SOLID BLOCKING @ 2100MM (6'-11") O.C. MAX. ALL JOISTS TO BE STRAPPED W/ 19MM x 64MM (1" x 3") @ 2100MM (6'-11") O.C. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED.

⑪ 11. EXTERIOR/INTERIOR STAIRS

AT LEAST ONE STAIR BETWEEN EACH FLOOR LEVEL WITHIN A DWELLING UNIT, AND EXTERIOR STAIRS AND REQUIRED EXIT STAIRS SERVING A SINGLE DWELLING UNIT, SHALL HAVE A WIDTH OF NOT LESS THAN 860MM (2'-10"). MINIMUM HEIGHT OVER STAIRS AND LANDING WITHIN DWELLING UNITS SHALL BE 1950MM (6'-5"). THE VERTICAL HEIGHT BETWEEN ANY LANDINGS SHALL NOT EXCEED 3700 MM (12'-2").

MAX. RISE:	200MM (7-7/8")
MIN. RISE:	125MM (4-7/8")
MAX. RUN:	355MM (14")
MIN. RISE:	210M (8-1/4")
MAX. TREAD:	355MM (14")
MIN. TREAD;	235 (9-1/4")

ANGLED STAIRS SHALL HAVE AN AVERAGE RUN OF NOT LESS THAN 200MM (7-7/8") AND A MIN. RUN OF 150MM (5-7/8").

⑫ 12. PRECAST STEPS

PRECAST CONCRETE STEP NOT MORE THAN 2 RISERS SHALL BE INSTALLED ON GRADE.

⑬ 13. EXTERIOR/INTERIOR GUARDS

INTERIOR GUARDS: 900MM (2'-11") MIN.
EXTERIOR GUARDS: 900MM (2'-11") MIN. FOR A GRADE DIFFERENCE LESS THAN 1800 MM (6'-0"). 1070MM (3'-6") MIN. FOR A GRADE DIFFERENCE MORE THAN 1800 MM (6'-0")

HANDRAILS AT LANDING TO HAVE A MIN. HEIGHT OF 900MM (2'-11"). HANDRAILS AT STAIRS TO HAVE A MIN. HEIGHT OF 800MM (2'-7"). MIN. ONE HANDRAIL SHALL BE PROVIDED WITH STAIRS HAVING A WIDTH LESS THAN 1100MM (3'-7"). TWO HANDRAILS SHALL BE PROVIDED WITH STAIRS HAVING A WIDTH GREATER THAN 1100MM (3'-7").

⑭ 14. TWO STOREY VOLUME SPACES

PROVIDE 2-38MM x140MM (2-2" x 6") SPRUCE NO. 2 CONTINUOUS STUDS @ 300MM (1'-0") O.C. FOR BRICK AND 400MM (1'-4") O.C. FOR SIDING C/W 9.6MM (3/8") EXTERIOR GRADE PLYWOOD SHEATHING. PROVIDE SOLID WOOD BLOCKING BETWEEN WOOD STUDS @ 1220MM (4'-0") O.C. VERTICALLY.

FOR HORIZONTAL DISTANCES NOT EXCEEDING 2900MM (9'-6"), PROVIDE 38MM x 140MM (2" x 6") WOOD STUDS @ 400MM (1'-4") O.C. C/W 3-38MM x 184MM (3-2" x 8") CONT. HEADER AT GROUND FLOOR CEILING LEVEL TOE NAILED & GLUED AT TOP PLATES, BOTTOM PLATES AND HEADERS.

⑮ 15. INTERIOR GARAGE PARTITION

13MM (1/2") GYPSUM WALL BOARD ON INTERIOR PARTITION AND CEILING BETWEEN HOUSE AND GARAGE. PROVIDE RSI 3.34 (R22) IN WALLS AND RSI 5.46 (R31) IN CEILING. TAPE, SEAL AND STRUCTURALLY SUPPORT ALL JOINTS IN ORDER TO BE GAS TIGHT.

⑯ 16. INTERIOR GARAGE MAN DOOR

DOOR AND FRAME TO BE GAS-PROOFED. DOOR TO BE EQUIPPED W/ SELF CLOSING DEVICE AND WEATHER STRIPPING.

⑰ 17. DRYER EXHAUST

CAPPED DRYER EXHAUST VENTED TO EXTERIOR. DUCTS SHALL CONFORM TO PART 6 OF THE O.B.C.

⑱ 18. MECHANICAL EXHAUST FAN

MECHANICAL EXHAUST FAN VENTED TO EXTERIOR TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR. PROVIDE DUCT SCREEN AS PER 9.32.3.12.

⑲ 19. DIRECT VENT FURNACE TERMINAL

DIRECT VENT FURNACE TERMINAL MIN. 900 MM (2'-11") FROM A GAS REGULATOR, MIN. 300MM (1'-0") ABOVE FINISHED GRADE, AWAY FROM ALL OPENINGS AND AWAY FROM EXHAUST AND INTAKE VENTS. HRV INTAKE TO BE MIN. 1830MM (6'-0") FROM ALL EXHAUST TERMINALS. REFER TO LOCAL GAS UTILIZATION CODE.

⑳ 20. DIRECT VENT GAS FIREPLACE

DIRECT VENT GAS FIREPLACE VENT TO BE A MIN. OF 300MM (1'-0") ABOVE FINISHED GRADE, AWAY FROM ALL OPENINGS AND AWAY FROM EXHAUST AND INTAKE VENTS. REFER TO LOCAL GAS UTILIZATION CODE. FIREPLACE TO COMPLY WITH CAN/ULC-S610-M "FACTORY BUILT FIREPLACES" INSTALLED WITH EXHAUST AS PER MANUFACTURER'S SPECIFICATIONS.

㉑ 21. ATTIC ACCESS HATCH

500MM x 700MM (1'-8" x 2'-4") ATTIC ACCESS HATCH W/ WEATHERSTRIPPING AND RSI 10.56 (R60) RIGID INSULATION BAKING.

㉒ 22. EXPOSING BUILDING FACE

EXTERIOR WALLS TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45 MIN WHERE LIMITING DISTANCES ARE LESS THAN 1200MM (3'-11"). WHERE THE LIMITING DISTANCE IS LESS THAN 600MM (1'-11"), THE EXPOSING BUILDING FACE SHALL BE CLAD IN NON-COMBUSTIBLE MATERIAL. INSTALL MIN 15.9MM TYPE X GYPSUM BOARD INSIDE.

㉓ 23. STUD WALL REINFORCEMENT

PROVIDE WOOD BLOCKING REINFORCEMENT TO STUD WALLS FOR FUTURE GRAB BAR INSTALLATION IN MAIN BATHROOM AS PER OBC 9.5.2.3. GRAB BAR TO BE 840MM - 920MM (2'-9" - 3'-0") A.F.F. BEHIND TOILET AND 840MM (2'-9") A.F.F. ON THE WALL OPPOSITE TO THE ENTRANCE TO THE BATHTUB OR SHOWER.

㉔ 24. CONSTRUCTION JOINT

PROVIDE ONE ROW OF 10M DOWELS SPACED 16" O.C. VERTICALLY. SET DOWELS 8" IN 5/8" DRILLED HOLES FILLED WITH EPOXY RESIN IN EXISTING FOUNDATION WALL. ALLOW FOR 16" DOWEL PROJECTION INTO PROPOSED WALL. WATERPROOF AND SEAL JOINT ON EXTERIOR FACE OF CONCRETE FOUNDATION WALL.

㉕ 25.ROOF CONSTRUCTION

PREF. STANDING SEAM METAL ROOF (26 GAUGE), 13MM (1/2") PLYWOOD SHEATHING WITH "H" CLIPS ON APPROVED PRE-ENGINEERED WOOD TRUSSES OR CONVENTIONAL FRAMING AS PER PLAN. PROVIDE APPROVED EAVES PROTECTION EXTENDING 900MM (3'-0") FROM EDGE OF ROOF AND MIN. 300MM (1'-0") BEYOND INNER FACE OF EXTERIOR WALL. PROVIDE 38MM x 89MM (2" x 4") TRUSS BRACING @ 1830MM (6'-0") O.C. @ BOTTOM CHORD

㉖ 26. ROOF INSULATION

RSI 10.56 (R60) [RSI 5.46 (R31) FOR CEILING WITHOUT ATTIC SPACE] ROOF INSULATION AND APPROVED 6 MIL POLY. VAPOUR BARRIER, 16MM (5/8") INTERIOR DRYWALL FINISH OR APPROVED EQUAL.

㉗ 27. STEP FOOTINGS

POURED CONCRETE STEP FOOTINGS TO HAVE A MIN. HORIZONTAL STEP OF 600MM (1'-11 5/8"). VERTICAL STEP TO HAVE MAX. 600MM ((1'-11 5/8) STEP ON FIRM SOIL.

㉘ 28. ROOF VENTILATION

ROOF VENTILATION AS PER 9.19.1.
VENT AREA SHALL BE NO LESS THAN 1/300 OF THE INSULATED CEILING AREA.
WHERE THE ROOF SLOPE IS LESS THAN 1 IN 6 OR IN ROOFS THAT ARE CONSTRUCTED WITH ROOF JOISTS, THE UNUBSTRUCTED VENT AREA SHALL BE NO LESS THAN 1/150 W/ NO LESS THAN 25% OF THE REQUIRED OPENINGS LOCATED AT THE TOP OF SPACE AND NO LESS THAN 25% LOCATED AT THE BOTTOM OF THE SPACE.
NO LESS THAN 63MM OF SPACE SHALL BE PROVIDED BETWEEN TOP OF INSULATION AND UNDERSIDE OF ROOF SHEATHING.
FULL 60 SQ IN OF NET FREE VENTILATING AREA (NFA) PER VENT.

㉙ 29. FLAT ROOFS

CONFORMING TO C.G.S.B. 37-GP-56M "MEMBRANE, MODIFIED, BITUMINOUS, PREFABRICATED, AND REINFORCED FOR ROOFING", 19MM (¾") PLYWOOD SHEATHING
WITH "H" CLIPS, ROOF FRAMING AS PER PLAN W/ PREF. ALUM. R.W.L.

㉚ 30. SLAB THICKENING

SLAB UNDER LOAD BEARING WALLS SUPPORTING STAIR LANDINGS TO BE THICKENED TO 12" WITH 16" BOTTOM AND ANGELED MAX 45° TO HORIZONTAL SLAB.

GENERAL NOTES

ALL CODE REFERENCES ARE REFERENCED FROM PART 9 OF THE 2017 O.B.C.

TRUSSES

FOR RENOVATION PROJECTS WHERE PROPOSED ROOF TRUSSES ARE INTENDED TO ALIGN WITH EXISTING ROOF OWNER/BUILDER TO CONFIRM ALL DIMENSIONS WITH REGARDS TO TRUSS DESIGN.

WINDOWS

ALL WINDOW SIZES ON DRAWINGS REFER TO FINISHED DIMENSIONS. PLEASE REFER TO WINDOW MANUFACTURER'S SPECIFICATIONS FOR ALL REQUIRED ROUGH OPENING SIZES.

MINIMUM BEDROOM WINDOW (O.B.C. 9.7.1.3.)

AT LEAST ONE BEDROOM WINDOW ON A GIVEN FLOOR IS TO HAVE MIN. 0.35 SQ. M. UNOBSTRUCTED GLAZED OR OPENABLE AREA WITH MIN. CLEAR WIDTH OF 380 MM (1'-3").

BEDROOMS SHALL HAVE A MINIMUM UNOBSTRUCTED GLASS AREA OF 5% OF AREA SERVED AS PER TABLE 9.7.2.3.

WINDOW GUARDS (O.B.C. 9.7.1.6.)

A GUARD IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED LESS THAN 480 MM (1'-7") ABOVE FINISHED FLOOR AND THE DISTANCE FROM THE FINISHED FLOOR TO THE ADJACENT GRADE IS GREATER THAN 1800 MM (5'-11")

WINDOW OVER STAIRS AND LANDINGS (9.7.5.3.)

A GUARD IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED LESS THAN 900MM (2'-11") ABOVE THE SURFACE OF THE TREAD, RAMP OR LANDING.

LUMBER

ALL LUMBER SHALL BE SPRUCE NO. 2 GRADE, UNLESS NOTED OTHERWISE

STUDS SHALL BE STUD GRADE SPRUCE, UNLESS NOTED OTHERWISE

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

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

LVL BEAMS SHALL BE 3.0E WS MICRO-LAM LVL (FB=2800 PSI MIN.) OR EQUIVALENT. NAIL EACH PLY OF LVL WITH 89 MM (3-1/2") LONG COMMON WIRE NAILS @ 300 MM (1'-0") O.C. STAGGERED IN 3 ROWS FOR GREATER DEPTHS AND FOR 4 PLY MEMBERS ADD 13 MM (1/2") DIA. GALVANIZED BOLTS BOLTED AT MID-DEPTH OF BEAM @ 915 MM (3-0") O.C.

PROVIDE TOP MOUNT BEAM HANGERS TYPE "SCL" MANUFACTURED BY MGA CONNECTOR LTD. OR EQUAL FOR ALL LVL BEAM TO BEAM CONNECTIONS UNLESS NOTED OTHERWISE.

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

WOOD FRAMING NOT TREATED WITH WOOD PRESERVATIVE, OR IN CONTACT WITH CONCRETE SHALL BE SEPARATED FROM THE CONC. BY AT LEAST 2 MIL. POLYETHYLENE FILM NO.50 (45 LBS) ROLL FORMING OR OTHER DAMPPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 150 MM (6") ABOVE THE GROUND.

TERMITE AND DECAY PROTECTION

IN LOCATIONS WHERE TERMITES ARE KNOWN TO OCCUR, CLEARANCE BETWEEN STRUCTURAL WOOD ELEMENTS AND THE FINISHED GROUND LEVEL DIRECTLY BELOW THEM SHALL BE NOT LESS THAN 450MM (17-3/4") AND ALL SIDES OF SUPPORTING ELEMENTS SHALL BE VISIBLE TO INSPECTION.

STRUCTURAL WOOD ELEMENTS SUPPORTED BY WOOD ELEMENTS IN CONTACT WITH THE GROUND OR OVER EXPOSED BARE SOIL SHALL BE PRESSURE TREATED WITH CHEMICAL THAT IS TOXIC TO TERMITES.

STEEL

STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 300W. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350W CLASS "H".

REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R

SMOKE ALARM (REFER O.B.C. 9.10.19.)

SMOKE ALARMS CONFORMING TO CAN/ULC-S531, "SMOKE ALARMS", SHALL BE INSTALLED IN EACH DWELLING UNIT AND IN EACH SLEEPING ROOM NOT WITHIN A DWELLING UNIT (9.10.19.1.).

THE SOUND PATTERNS OF SMOKE ALARMS SHALL MEET THE TEMPORAL PATTERN OF ALARM SIGNALS, OR BE A COMBINATION OF TEMPORAL PATTERN AND VOICE RELAY (9.10.19.2.).

SMOKE ALARMS INSTALLED SHALL BE INSTALLED SO THAT THERE IS AT LEAST ONE SMOKE ALARM INSTALLED ON EACH STOREY, INCLUDING BASEMENTS. THEY SHALL BE INSTALLED IN EACH SLEEPING ROOM, AND IN A LOCATION BETWEEN THE SLEEPING ROOMS AND THE REMAINDER OF THE STOREY, A SMOKE ALARM SHALL BE INSTALLED IN THE HALLWAY.

WHERE MORE THAN ONE ONE SMOKE ALARM IS REQUIRED IN A DWELLING UNIT, THE SMOKE ALARMS SHALL BE WIRED SO THAT THE ACTIVATION OF ONE ALARM WILL CAUSE ALL ALARMS WITHIN THE DWELLING UNIT TO SOUND (9.10.19.5.).

SMOKE ALARM SHALL HAVE A VISUAL COMPONENT AS REQUIRED BY OBC 9.10.19.1.(2).

CARBON MONOXIDE ALARMS (REFER TO O.B.C. 9.33.4.)

WHERE A FUEL BURNING APPLIANCE IS INSTALLED IN A SUITE OF A RESIDENTIAL OCCUPANCY, A CARBON MONOXIDE ALARM SHALL BE INSTALLED ADJACENT TO EACH SLEEPING AREA IN THE SUITE. AN ALARM SHALL BE INSTALLED ADJACENT TO EACH SLEEPING REA IN EVERY SUITE OF RESIDENTIAL OCCUPANCY THAT IS ADJACENT TO THE SERVICE ROOM OR STORAGE GARAGE.

INSTALL ALARMS AT MANUFACTURER'S RECOMMENDED HEIGHT, OR IN THE ABSENCE OF SPECIFIC, ON OR NEAR THE CEILING.

A CARBON MONOXIDE ALARM SHALL BE PERMANENTLY CONNECTED TO AN ELECTRICAL CIRCUIT AND SHALL HAVE NO DISCONNECT SWITCH BETWEEN THE OVERCURRENT DEVICE AND THE CARBON MONOXIDE ALARM. ALL CARBON MONOXIDE ALARMS ARE TO BE INTERCONNECTED SO THAT ITS ACTIVATION WILL ACTIVATE ALL ALARMS WITHIN THE SUITE.

ALARMS SHALL BE EQUIPPED SO THAT IT IS AUDIBLE WITHIN BEDROOMS WHEN THE INTERVENING DOORS ARE CLOSED AND CONFORM TO CAN/CSA-6.19, "RESIDENTIAL CARBON MONOXIDE ALARMING DEVICES", OR UL 2034, "SINGLE AND MULTIPLE STATION CARBON MONOXIDE ALARMS".

9.20.2 MASONRY UNITS

9.20.2.1 MASONRY UNIT STANDARDS

MASONRY UNITS SHALL COMPLY WITH,

ASTM C73, "CALCIUM SILICATE BRICK (SAND-LIME BRICK)",
ASTM C126, "CERAMIC GLAZED STRUCTURAL CLAY FACING TILE, FACING BRICK, AND SOLID MASONRY UNITS",
ASTM C212, "STRUCTURAL CLAY FACING TILE",
CAN/CSA-A82.1-M, "BURNED CLAY BRICK (SOLID MASONRY UNITS MADE FROM CLAY OR SHALE)",
CSA A82.4-M, "STRUCTURAL CLAY LOAD-BEARING WALL TILE",
CSA A82.5-M, "STRUCTURAL CLAY NON-LOAD-BEARING TILE",
CAN3-A82.8-M, "HOLLOW CLAY BRICK",
CAN/CSA-A165.1, "CONCRETE BLOCK MASONRY UNITS",
CAN/CSA-A165.2, "CONCRETE BRICK MASONRY UNITS",
CAN/CSA-A165.3, "PREFACED CONCRETE MASONRY UNITS", OR
CAN3-A165.4-M, "AUTOCLAVED CELLULAR UNITS".

THE DESIGN AND CONSTRUCTION OF THIS BUILDING SHALL COMPLY WITH ONTARIO BUILDING CODE, AS AMENDED.

LICENSED PROFESSIONAL ENGINEER
A. DAINOV
10345502
2021-09-07
PROVINCE OF ONTARIO

FIRM NAME	**B.C.I.N.**

REVISION LIST

1	REVISION 1	08.19.2021
2	-	MM.DD.YYYY
3	-	MM.DD.YYYY
4	-	MM.DD.YYYY
5	-	MM.DD.YYYY

ISSUE LIST

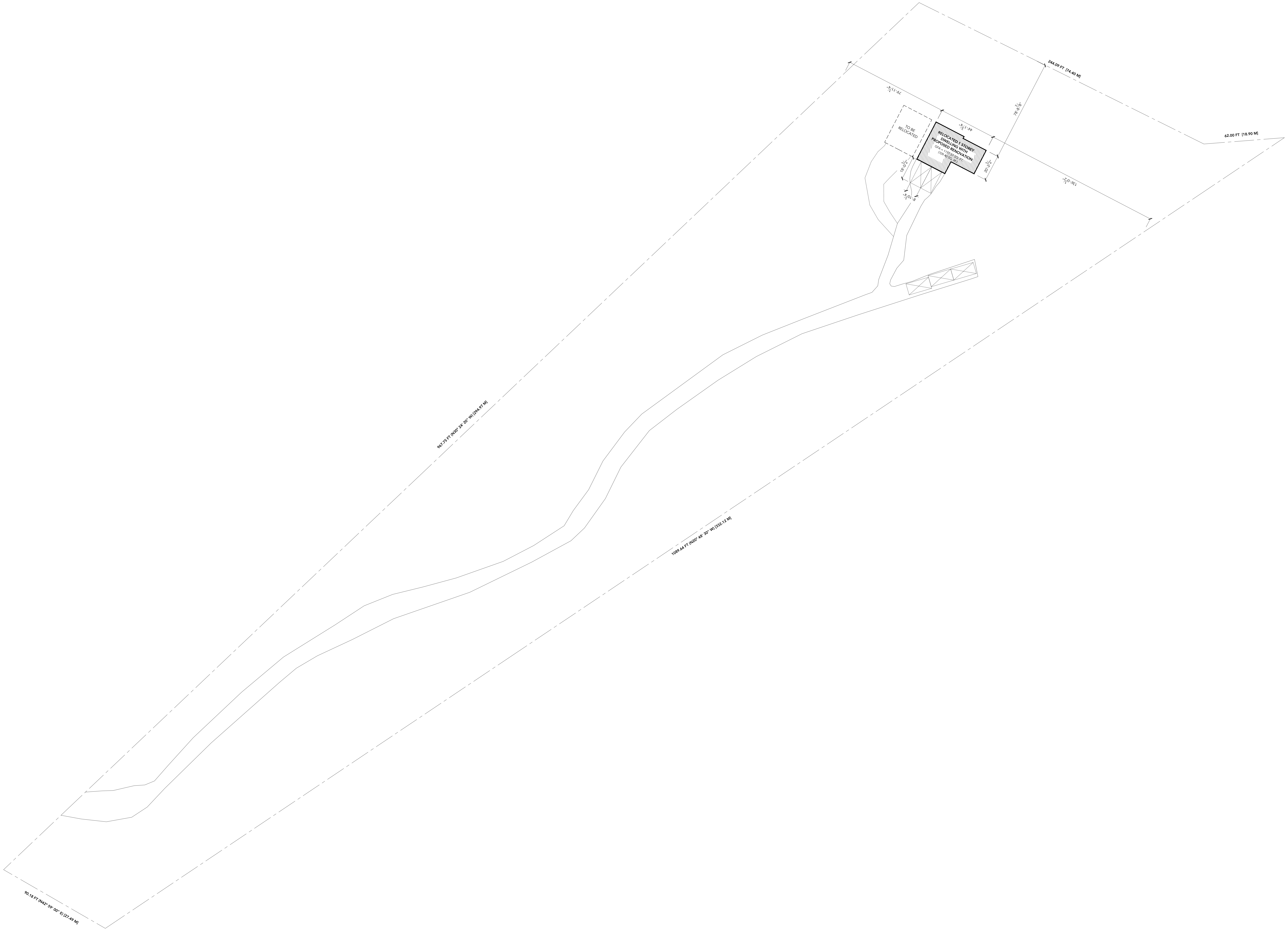
1	ISSUED FOR COORDINATION	01.06.2020
2	-	MM.DD.YYYY
3	-	MM.DD.YYYY
4	-	MM.DD.YYYY
5	-	MM.DD.YYYY

DRAWING INFORMATION:

DRAWING TITLE:	GENERAL NOTES
DRAWN BY:	J.S.
CHECKED BY:	J.S.
ADDRESS:	1164 D HIGHWAY 520
PROJECT NO.	2021-058

SHEET:

A001



1/32":1'-0"

SITE PLAN

SHEET:

SP

NOTE:

CONTRACTOR TO ENSURE THAT THERE ARE ADEQUATE SUPPORT POSTS (AS PER TABLES A-34 & A-35 OF THE O.B.C.) AT THE ENDS OF GIRDER TRUSSES AND SUPPORTING LINTELS

NOTE:

LANDSCAPE AND EXTERIOR WALKWAYS AS PER LANDSCAPE DESIGNER OR OWNER'S SPECIFICAITONS

NOTE:

ALL BATHROOMS TO BE CONSTRUCTED WITH WATER RESISTANT GYPSUM WALL BOARD

NOTE:

ALL PRE-ENGINEERED BEAMS, LINTELS AND TRUSSES TO BE CONFIRMED BY SUPPLIER. REFER TO MANUFACTURER SPECIFICATIONS FOR DETAILS

NOTE:

■ S.A.

SMOKE ALARM (REFER O.B.C. 9.10.19.)

SMOKE ALARMS CONFORMING TO CAN/ULC-S531, "SMOKE ALARMS", SHALL BE INSTALLED IN EACH DWELLING UNIT AND IN EACH SLEEPING ROOM NOT WITHIN A DWELLING UNIT (9.10.19.1.).

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◐ C.M.

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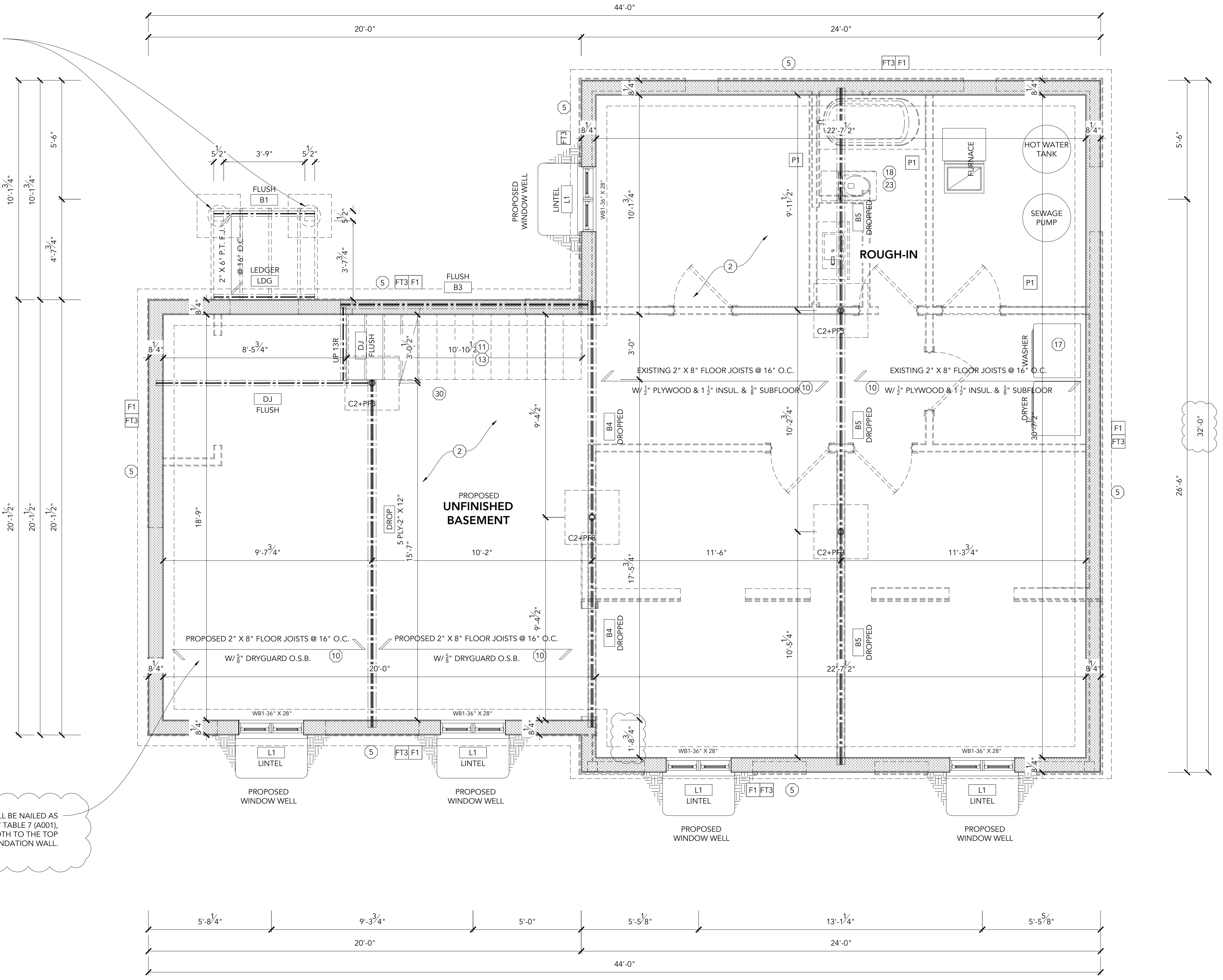

12" CONCRETE SONO TUBE WITH 36" X 36" X 18" PAD FOOTING. PROVIDE SIMPSON STRONG TIE SADDLE FOR POST-PIER CONNECTION OR APPROVED EQUAL

JOISTS AND BLOCKING SHALL BE NAILED AS REQUIRED BY TABLE 7 (A001), INCLUDING THE NAILING OF BOTH TO THE TOP PLATE OF THE FOUNDATION WALL.

1/4":1'-0"

BASEMENT FLOOR PLAN

LICENSED PROFESSIONAL ENGINEER
A. DAINOV
10345502
2021-09-07
PROVINCE OF ONTARIO

SHEET:

A101

NOTE:

CONTRACTOR TO ENSURE THAT THERE ARE ADEQUATE SUPPORT POSTS (AS PER TABLES A-34 & A-35 OF THE O.B.C.) AT THE ENDS OF GIRDER TRUSSES AND SUPPORTING LINTELS

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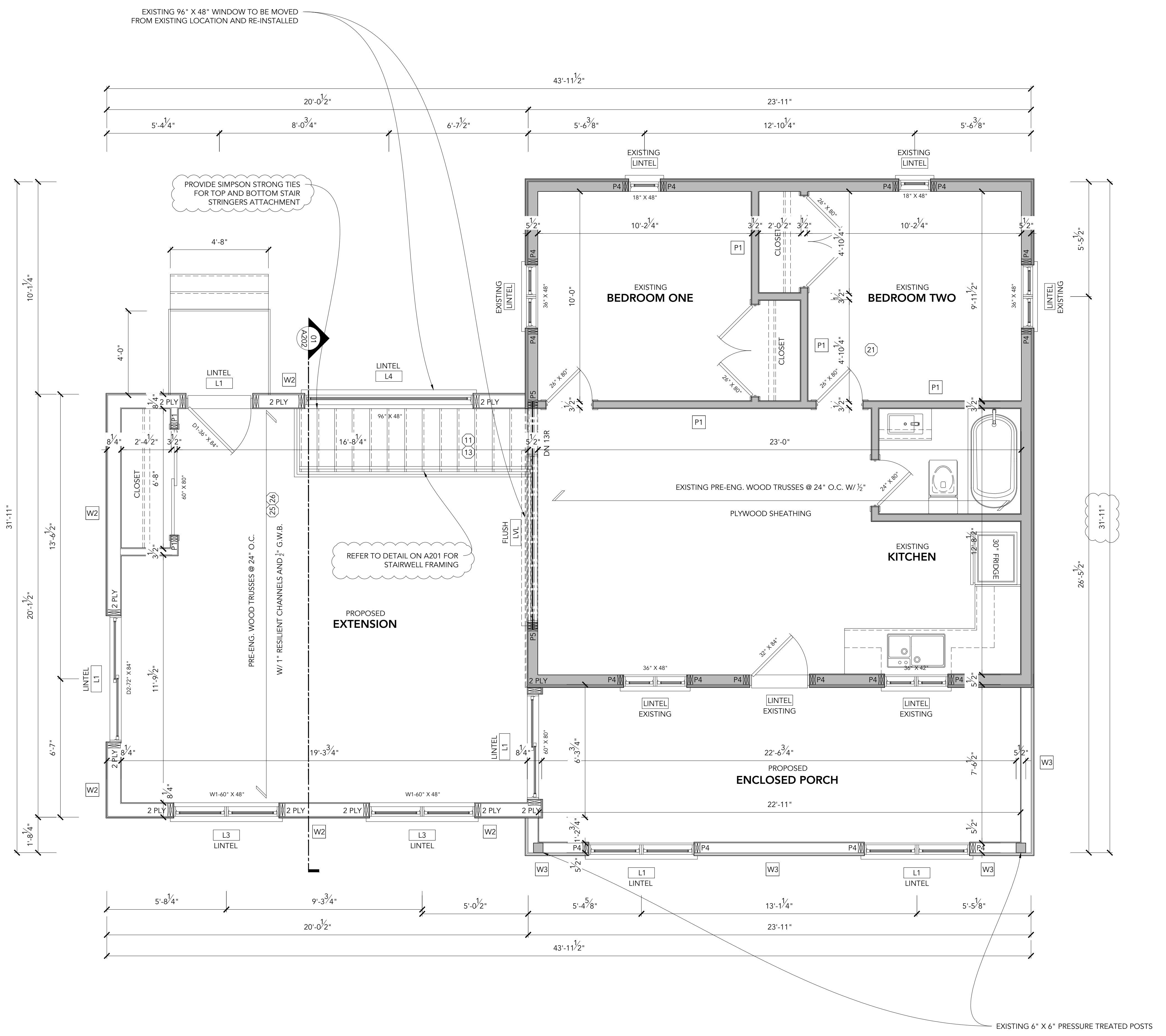
NOTE:

ALL DIMENSIONS ON FLOOR PLAN ARE TO EXTERIOR FACE OF WOOD STUDS UNLESS NOTED OTHERWISE



3.1.1.2.A ZONE 1 COMPLIANCE PACKAGE FOR SPACE HEATING			
COMPONENT	THERMAL VALUES	COMPLIANCE PACKAGE A1	
		RSI	R
CEILING WITH ATTIC SPACE	MIN. NOMINAL	10.56	60
	MAX. U	0.096	0.017
	MIN. EFFECTIVE	10.43	59.22
CEILING WITHOUT ATTIC SPACE	MIN. NOMINAL	5.46	31
	MAX. U	0.205	0.036
	MIN. EFFECTIVE	4.87	27.65
EXPOSED FLOOR	MIN. NOMINAL	5.46	31
	MAX. U	0.190	0.034
	MIN. EFFECTIVE	5.25	29.80
WALLS ABOVE GRADE	MIN. NOMINAL	3.87	22
	MAX. U	0.333	0.059
	MIN. EFFECTIVE	3.00	17.03
BASEMENT WALLS	MIN. NOMINAL	3.52 ci	20 ci
	MAX. U	0.269	0.047
	MIN. EFFECTIVE	3.72	21.12
BELOW GRADE SLAB ENTIRE SURFACE > 600 mm BELOW GRADE	MIN. NOMINAL	--	--
	MAX. U	--	--
	MIN. EFFECTIVE	--	--
HEATED SLAB OR SLAB ≤ 600 mm BELOW GRADE	MIN. NOMINAL	1.76	10
	MAX. U	0.510	0.090
	MIN. EFFECTIVE	1.96	11.13
EDGE OF BELOW GRADE SLAB ≤ 600 mm BELOW GRADE	MIN. NOMINAL	1.76	10
WINDOWS AND SLIDING GLASS DOORS	MAX. U	1.6	0.28
	ENERGY RATING	25	25
SKYLIGHTS	MAX. U	2.8	0.49
SPACE HEATING EQUIPMENT	MIN. AFUE	96%	96%
HRV	MIN. SRE	75%	75%
DOMESTIC WATER HEATER	MIN. EF	0.80	0.80
COLUMN 1	2	3	3

LICENSED PROFESSIONAL ENGINEER
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2021-09-07
PROVINCE OF ONTARIO

1/4"=1'-0"

GROUND FLOOR PLAN

SHEET:

A102

NOTE:

ALL DIMENSIONS ON ROOF PLAN ARE TO EXTERIOR FACE OF PLYWOOD SHEATHING UNLESS NOTED OTHERWISE

NOTE:

ALL GABLE ENDS TO BE LADDER FRAMED W/ 2" X 6" @ 24" O.C. W/ A 2 X 6" FASCIA BOARD. CONTRACTOR TO PROVIDE A 2" X 4" REVEAL BOARD ON FACE OF FASCIA

NOTE:

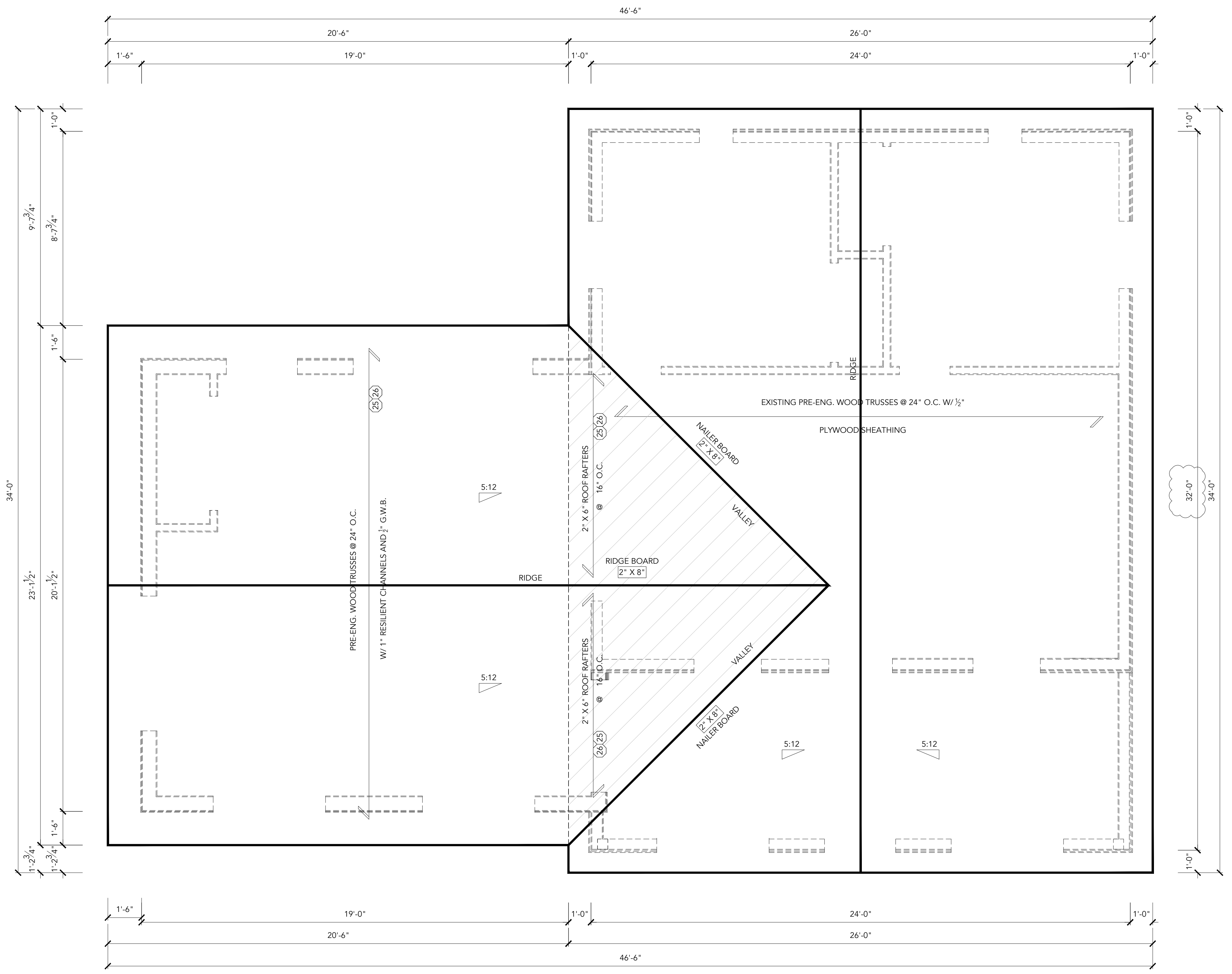
HEATED ROOF AREA = 2534.18 SQ. FT.

REQUIRED VENTING AS PER 9.19.1.2. - 9.19.1.3. OF THE O.B.C.

(1/300) = 8.44 ~ 9

NOTE:

ALL PRE-ENGINEERED BEAMS, LINTELS AND TRUSSES TO BE CONFIRMED BY SUPPLIER. REFER TO MANUFACTURER SPECIFICATIONS FOR DETAILS



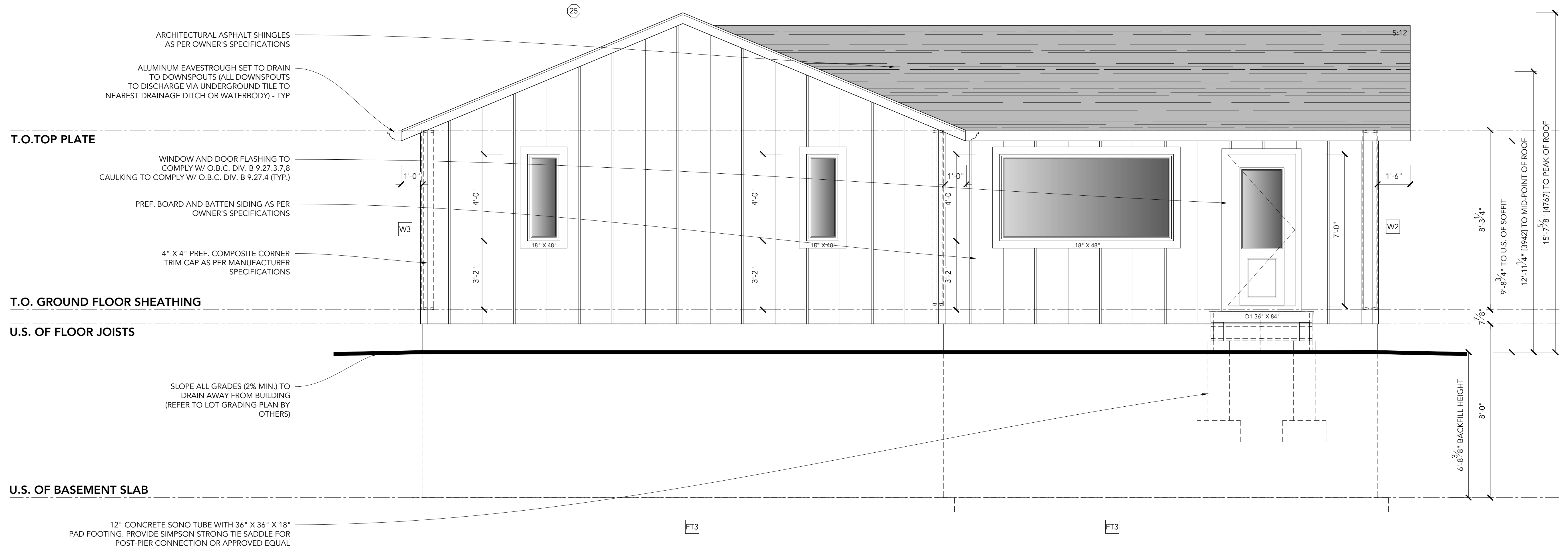
1/4":1'-0"

ROOF PLAN

LICENSED PROFESSIONAL ENGINEER
A. DAINOV
10345502
2021-09-07
PROVINCE OF ONTARIO

SHEET:

A103



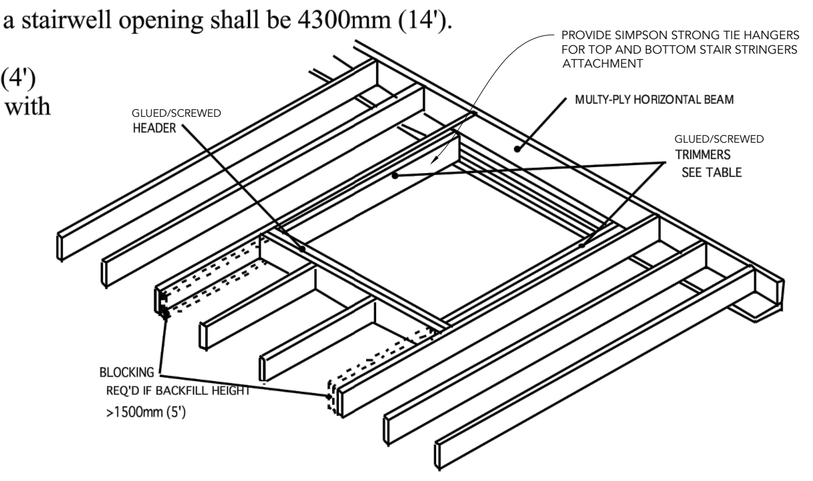
1/4":1'-0"
FRONT ELEVATION

• When openings are greater than 1200mm (4') from a side wall and 1800mm (6') from an endwall, stairwell opening construction shall conform to the minimum requirements for wood frame construction in the appropriate building code.

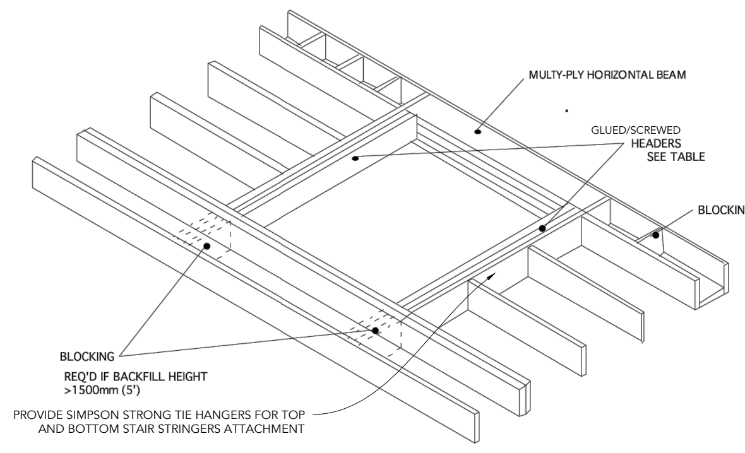
• When openings are closer to their adjacent walls than specified previously, they shall conform to the following:

1) The maximum dimension of a stairwell opening shall be 4300mm (14').

2) Openings less than 1200mm (4') from a side wall shall be framed with a multi-ply horizontal member.



STAIRWELL PERPINDICULAR TO SIDE WALL

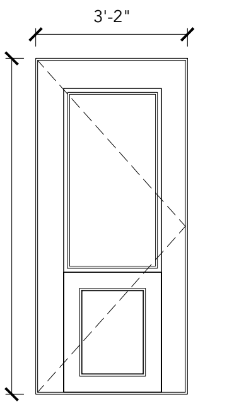


STAIRWELL PARALLEL TO END WALL

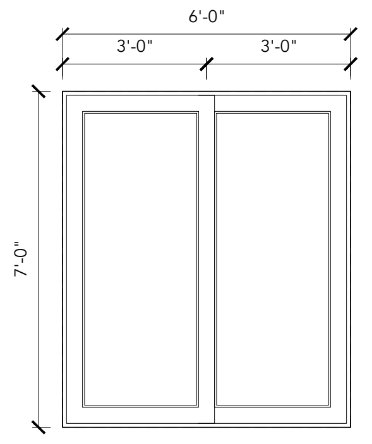
3) Openings less than 1800mm (6') from an endwall shall be framed with a multi-ply horizontal member.

4) The size and nailing requirements of these multi-ply members for each circumstance shall conform to the "Stairwell Opening Framing" table in the appendix at the back of this manual.

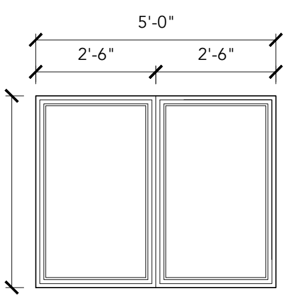
N.T.S.
STAIRWELL FRAMING



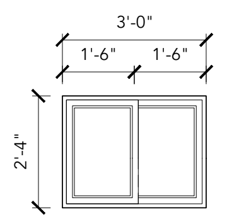
D1-36" X 84"
QTY: 1



D2-72" X 84"
QTY: 1

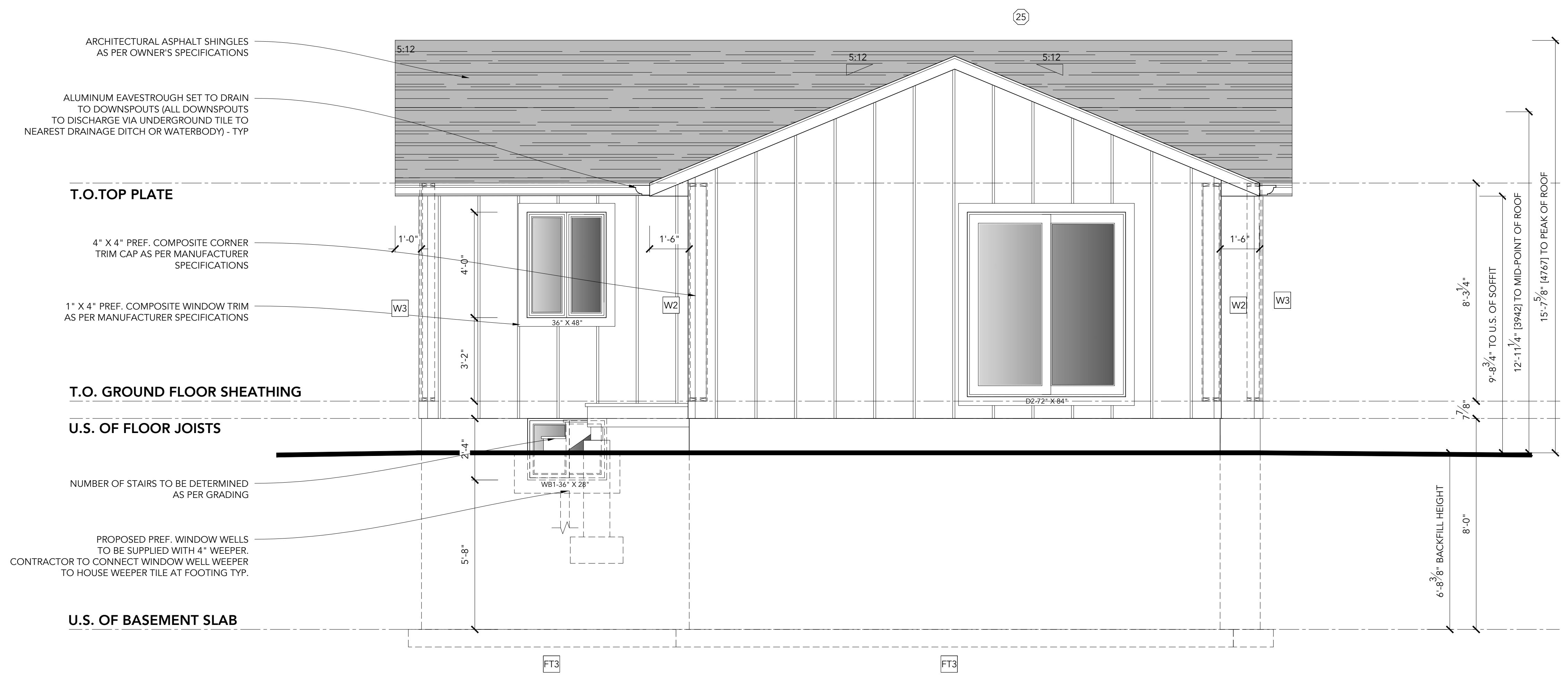


W1-60" X 48"
QTY: 2

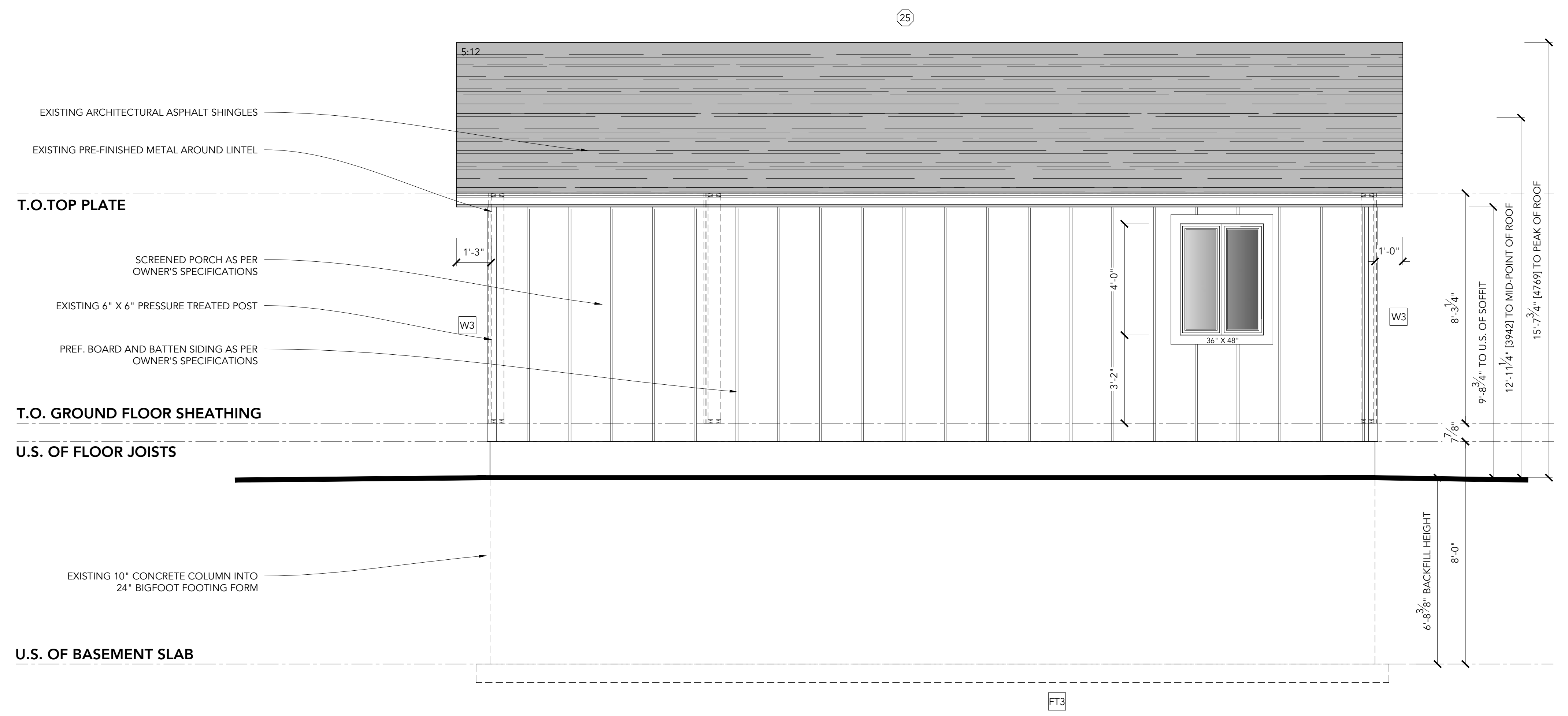


WB1-36" X 28"
QTY: 5

N.T.S.
WINDOW AND DOOR SCHEDULE



1/4":1'-0"
RIGHT ELEVATION



1/4":1'-0"
LEFT ELEVATION

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2021-09-07
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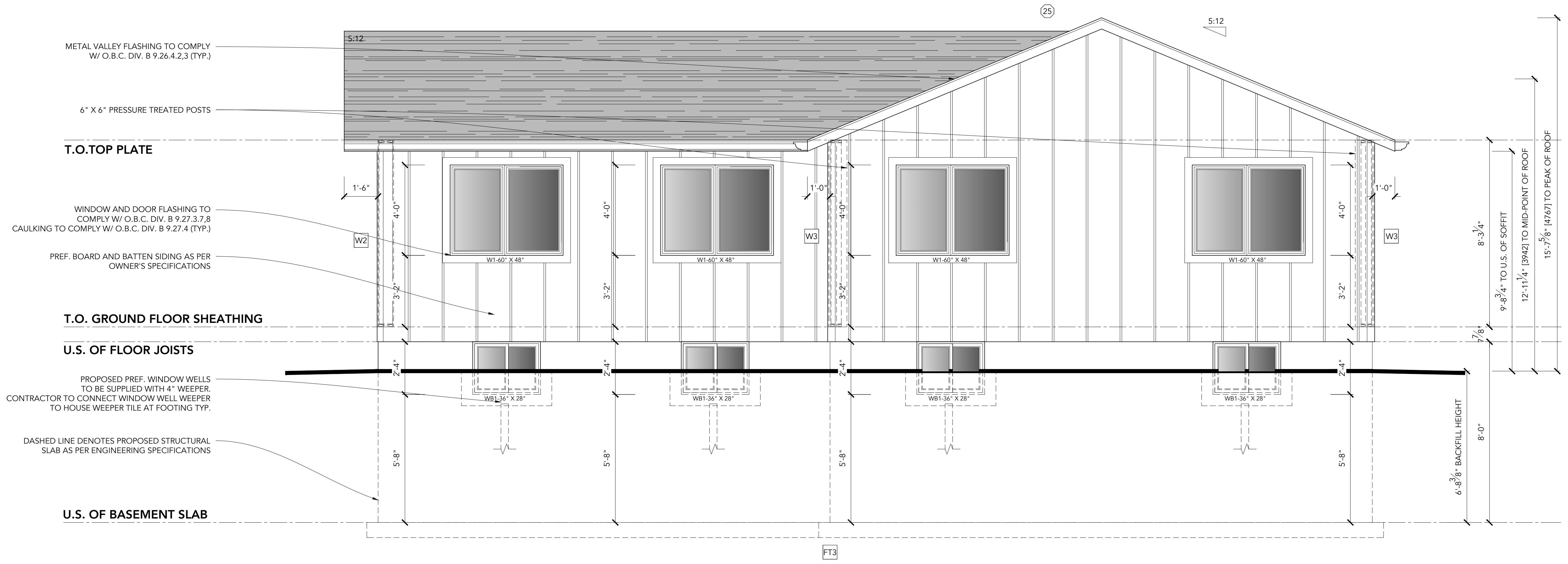
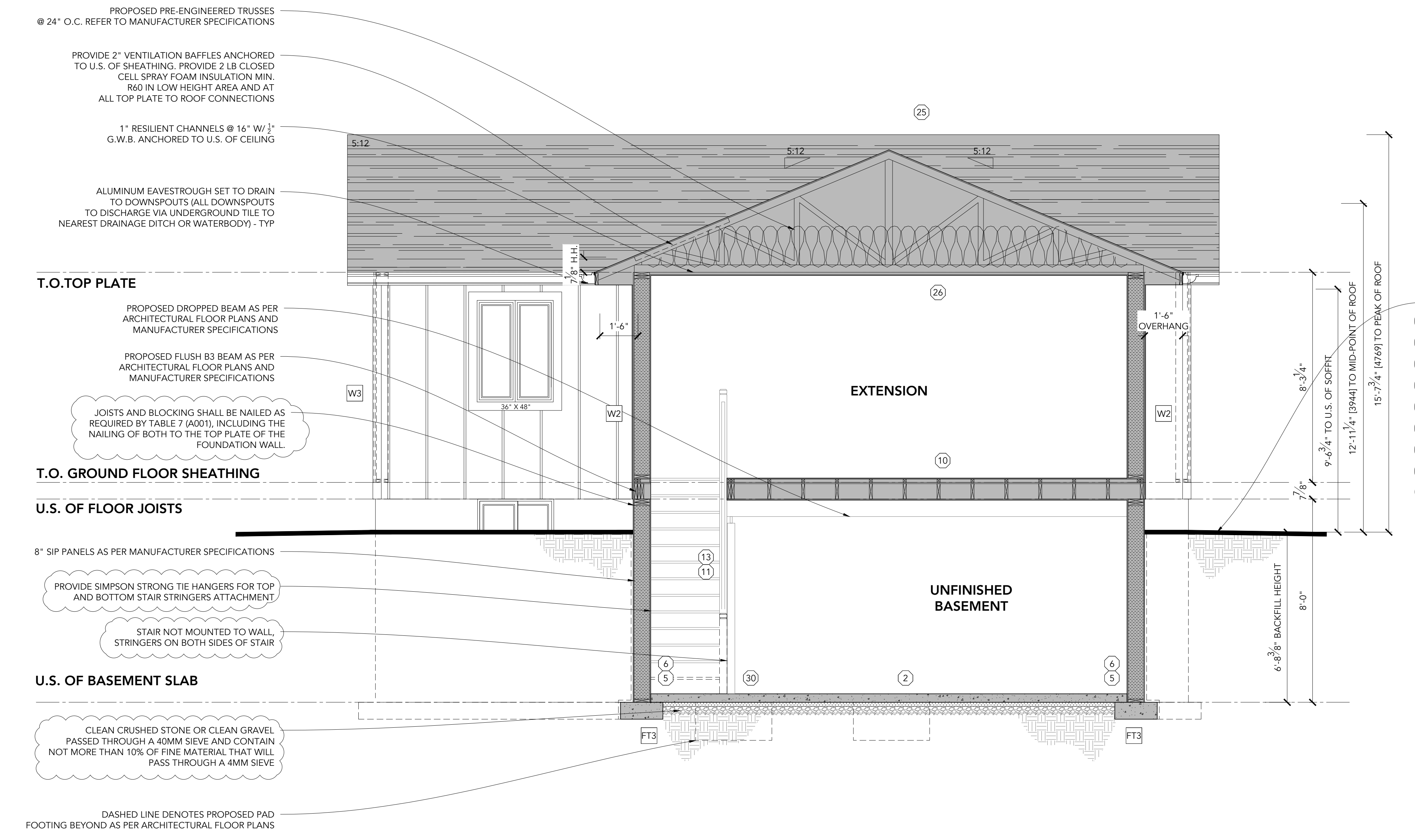
SHEET:

A201



1/4":1'-0"

REAR ELEVATION



EXCAVATION REQUIREMENTS TO CONFORM TO THOSE APPROPRIATE TO O.B.C.

ALL TOP SOIL AND VEGETATION MATTER UNDER BUILDING MUST BE REMOVED

THE BOTTOM OF THE EXCAVATION MUST BE FREE OF ALL ORGANIC MATTER AND STANDING WATER

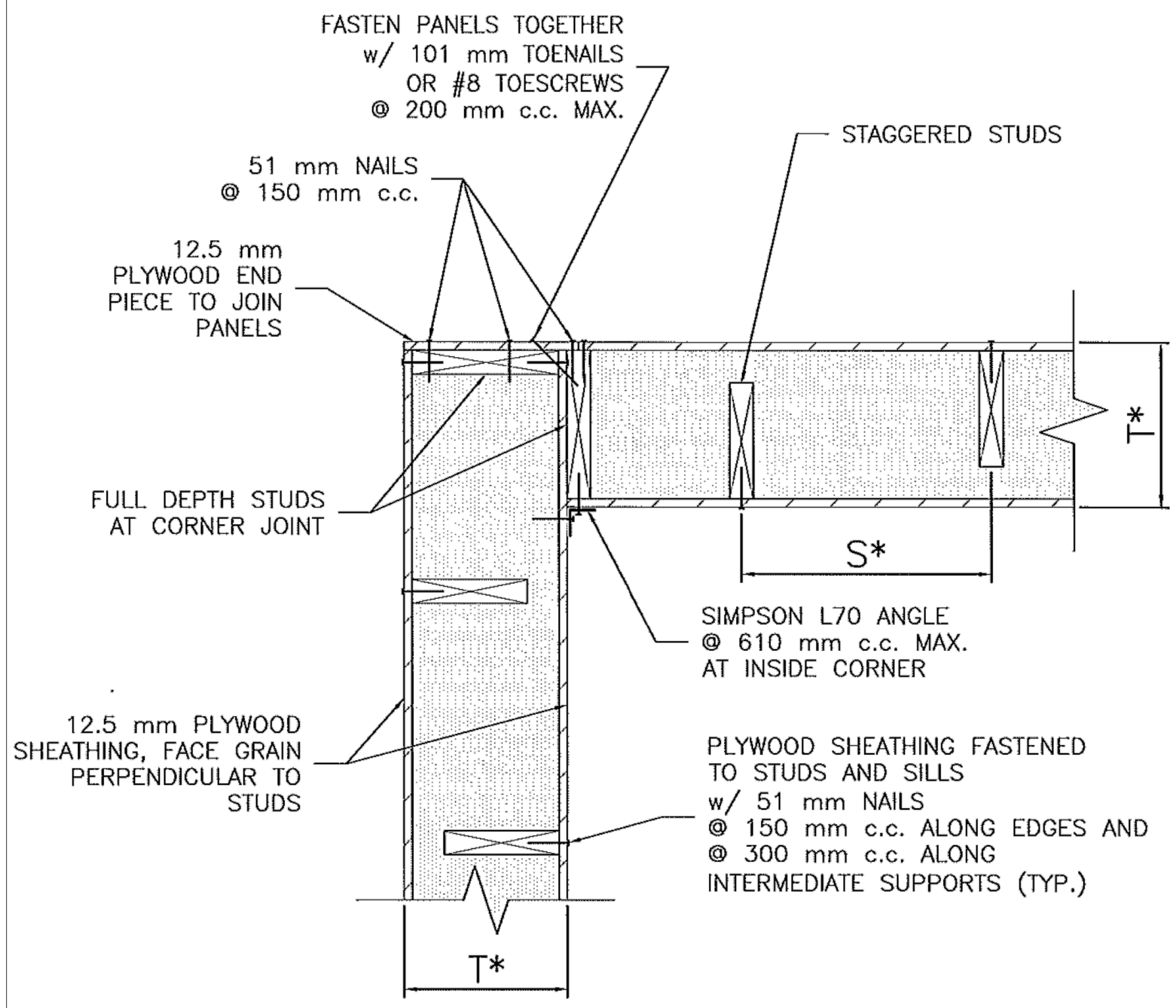
A CONTINUOUS GRANULAR DRAINAGE LAYER INSTALLED UNDER FLOORS OF PW-SIP-F'S AND NOT BE LESS THAN 125MM (5")

EXCAVATION AND GRANULAR DRAINAGE LAYER DRAINS TO A SUMP, WHICH SHALL BE PROVIDED WITH POSITIVE DRAINAGE, BY GRAVITY OR PUMP, TO A FINAL DISPOSAL POINT OUTSIDE BUILDING

PERIMETER DRAINAGE TILE OR PIPE SHALL NOT BE USED WITH PW-SIP FOUNDATIONS

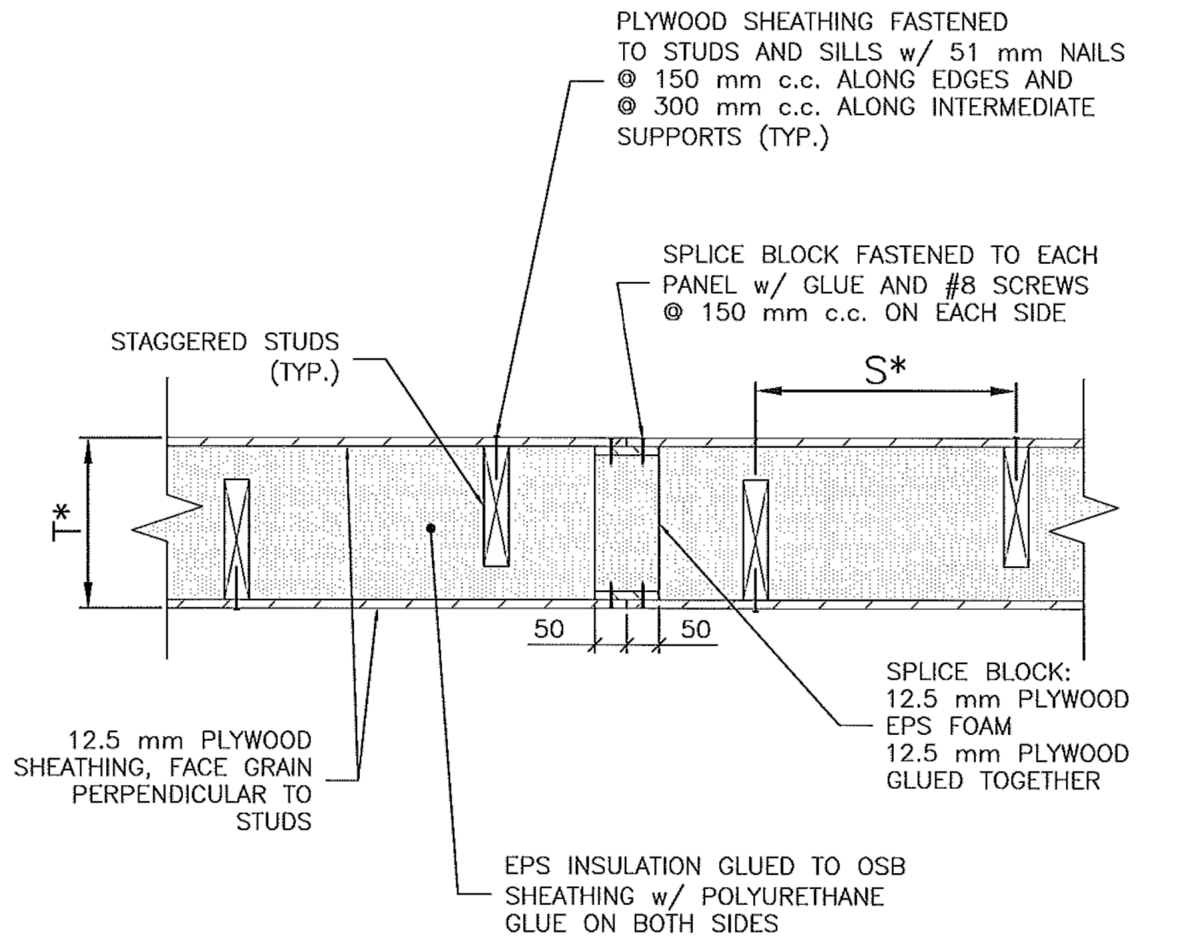
1/4":1'-0"

01 BUILDING SECTION



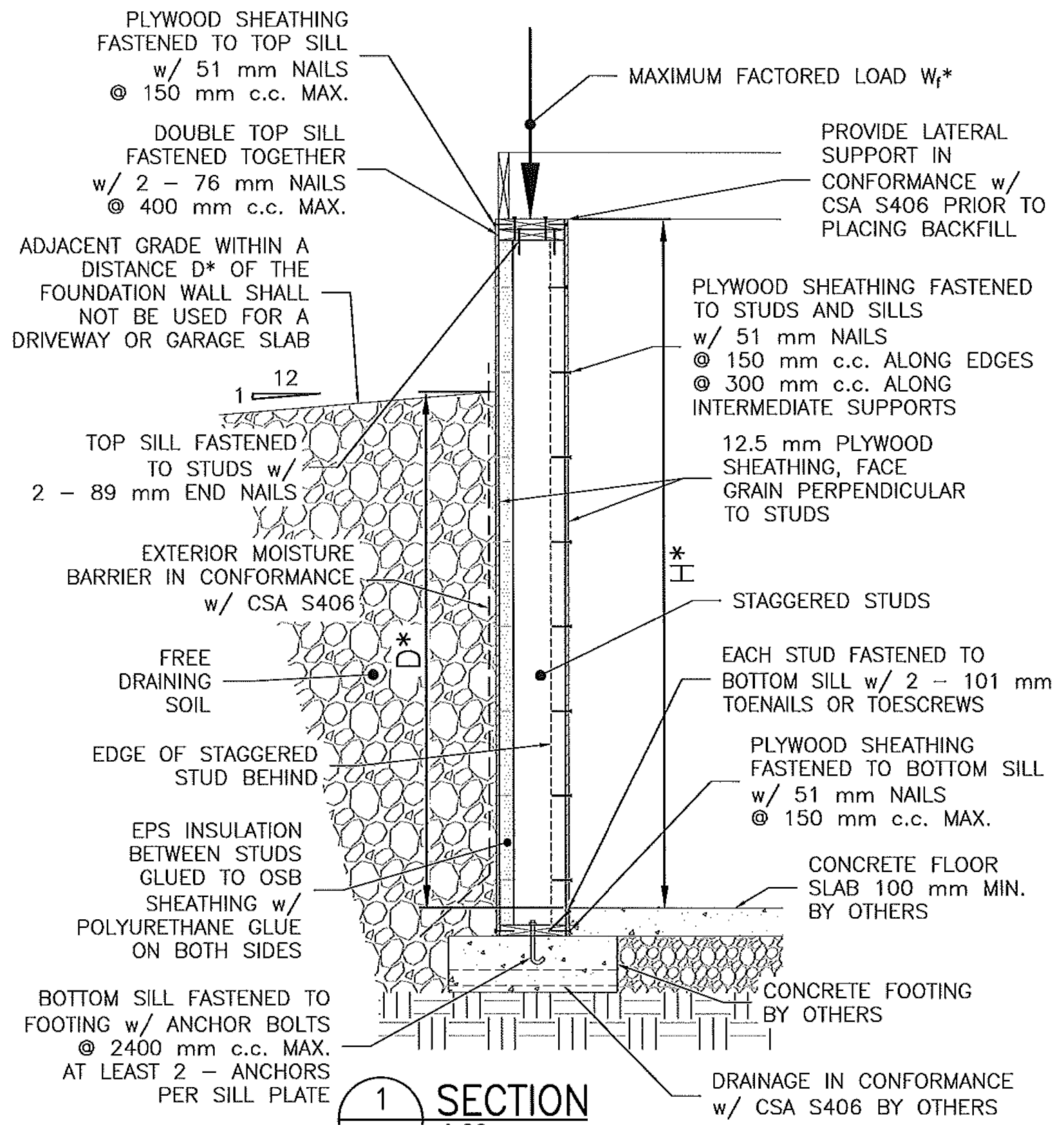
N.T.S.

CORNER CONNECTION



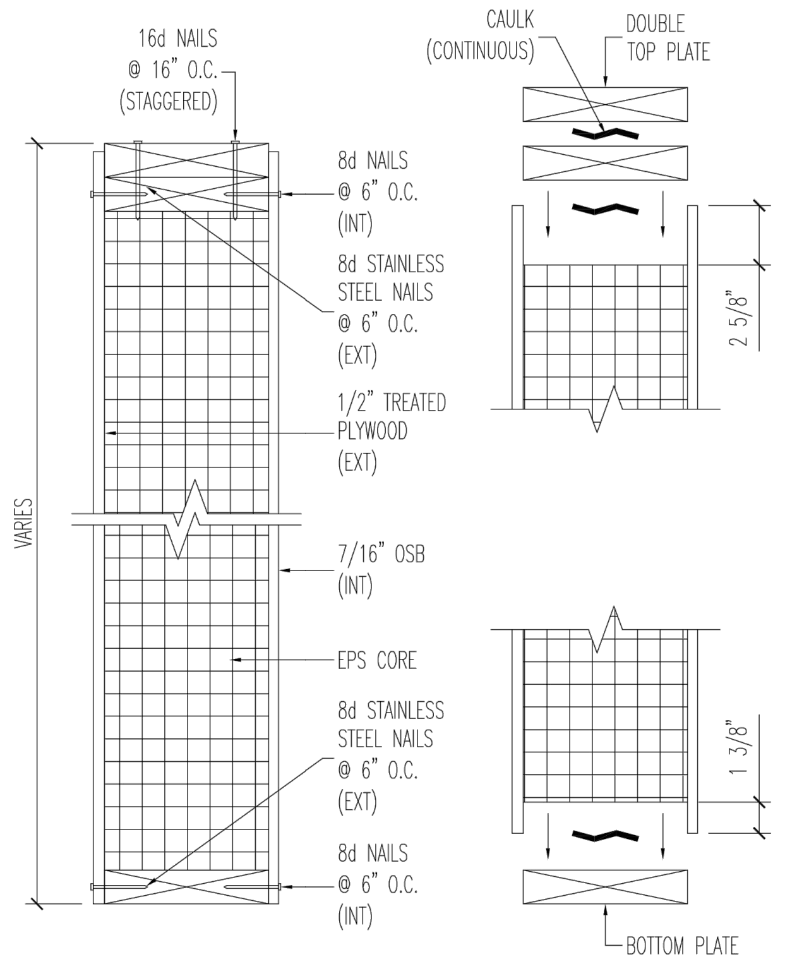
1-1/2":1'-0"

PANEL SPLICE



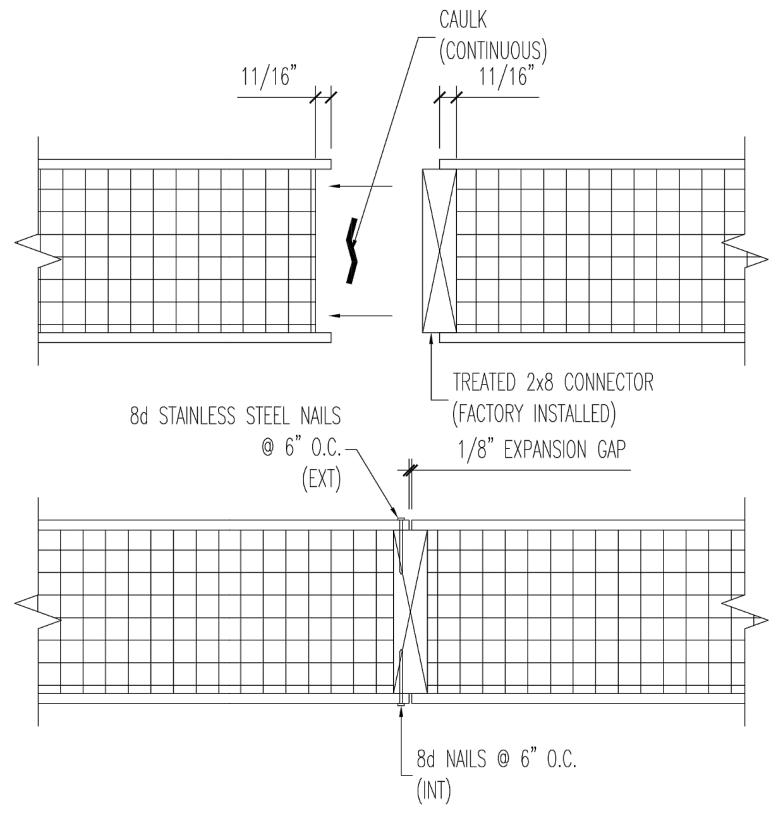
N.T.S.

FOUNDATION AT SLAB



NO SCALE

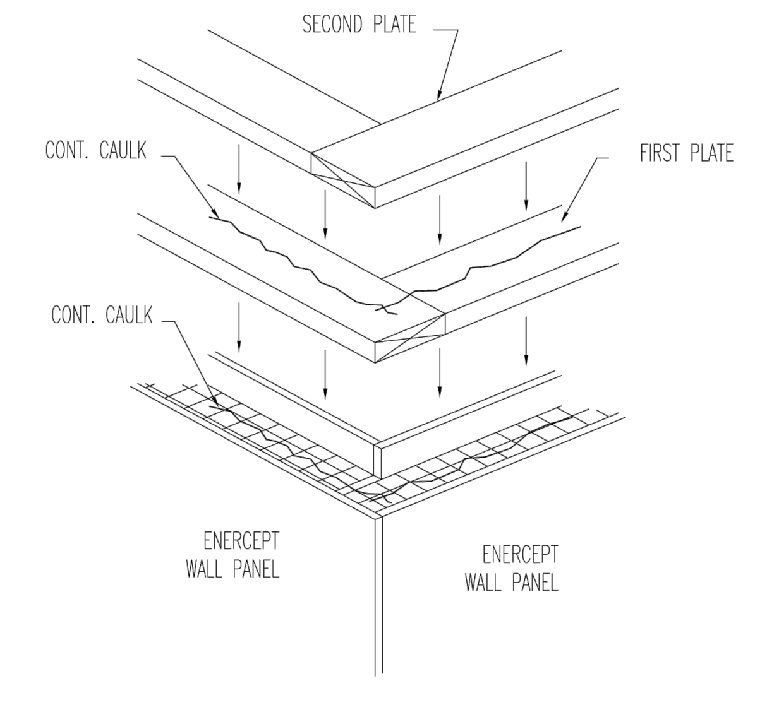
8" BASEMENT PANEL DETAIL



INSTALLATION NOTE:
1) A COME-A-LONG OR OTHER MECHANICAL MEANS MAY BE REQUIRED TO PULL PANELS TOGETHER.
2) TOPS OF PANELS MUST BE LEVEL & ALIGNED BEFORE NAILING.

NO SCALE

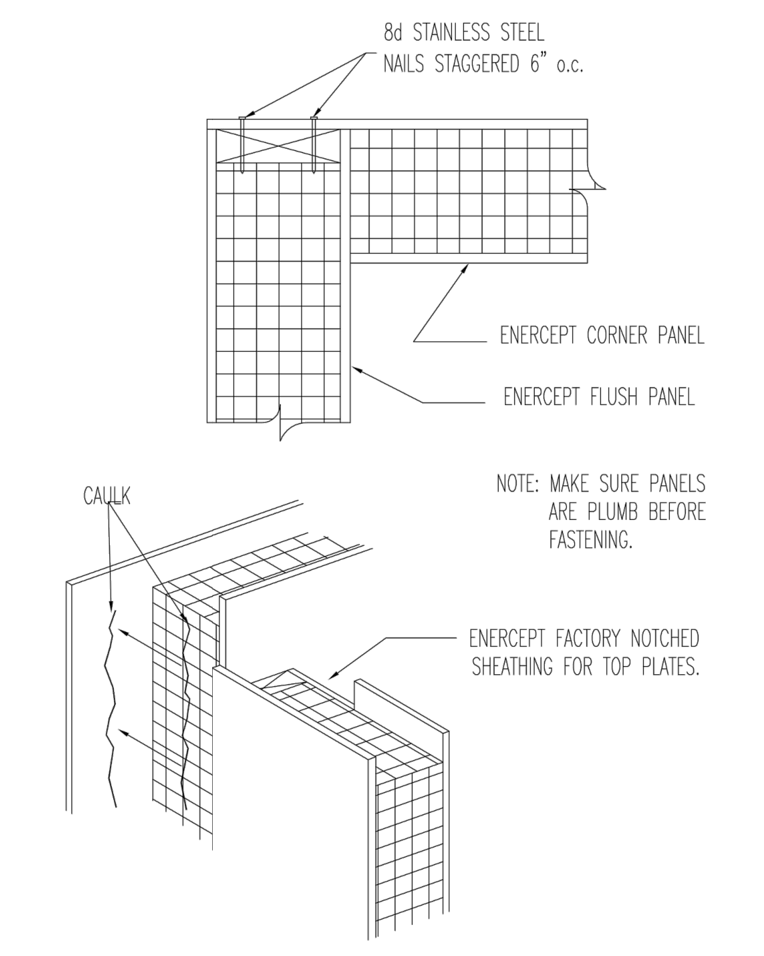
BASEMENT PANEL CONNECTION DETAIL



NOTE:
1) ALLOW A MIN. JOINT OFFSET OF 4'. DO NOT SPLICE OVER WINDOW OR DOOR OPENINGS.
2) NAIL FIRST PLATE TO INSULATED POSTS USING FOUR 16d NAILS @ EACH POST LOCATION.
3) INSTALL SECOND PLATE USING 16d NAILS STAGGERED 16" ON CENTER.
4) NAIL SHEATHING EDGES USING 8d STAINLESS STEEL ON EXT. AND 8d ON THE INT.NAILS ON 6" CENTERS.
5) STAGGER FIRST AND SECOND PLATES @ THE CORNERS AS SHOWN ABOVE.

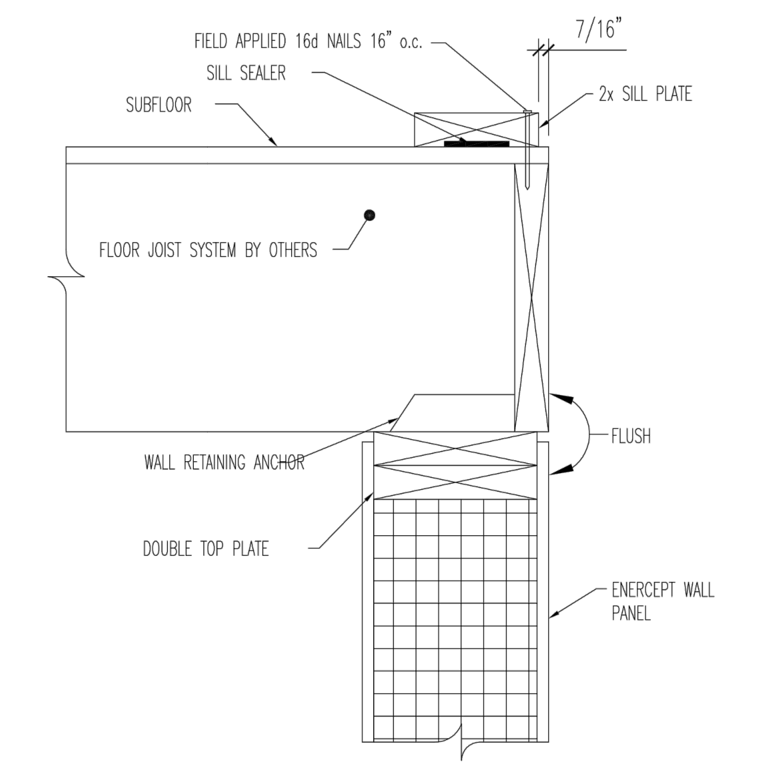
NO SCALE

DBLE TOP PLATE INSTALLATION



NO SCALE

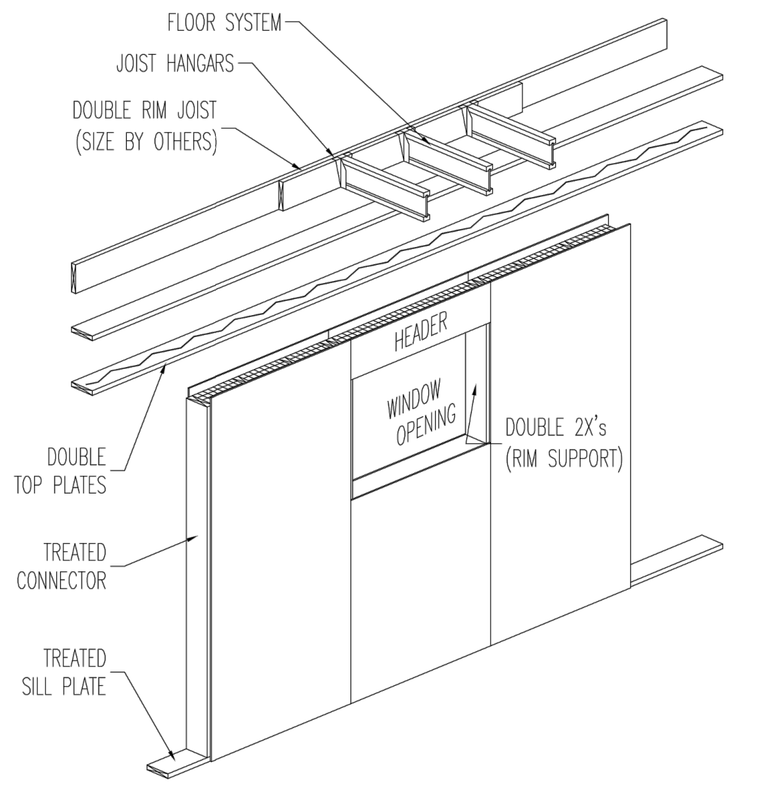
CORNER ADJUSTMENT PANEL INSTALLATION



NOTE:
1) SQUARENESS AND ALIGNMENT OF THE PLATE ARE CRITICAL PARTS OF THE ENERCEPT SYSTEMS.
2) THE SILL PLATE IS TO BE INSTALLED 7/16" IN FROM TOTAL OUTSIDE DIMENSION TO ACCOMMODATE FOR THE 7/16" OSB.

NO SCALE

BASEMENT PANEL FLOOR ATTACHMENT



INSTALLATION NOTE:
1) DOUBLE THE RIM JOIST ABOVE DOOR & WINDOW OPENINGS. USE JOIST HANGARS TO SUPPORT FLOOR SYSTEM.
2) HEADER PANEL & TOP PLATES MUST NOT BE USED TO SUPPORT FLOOR SYSTEM.

NO SCALE

BASEMENT PANEL HEADER DETAIL

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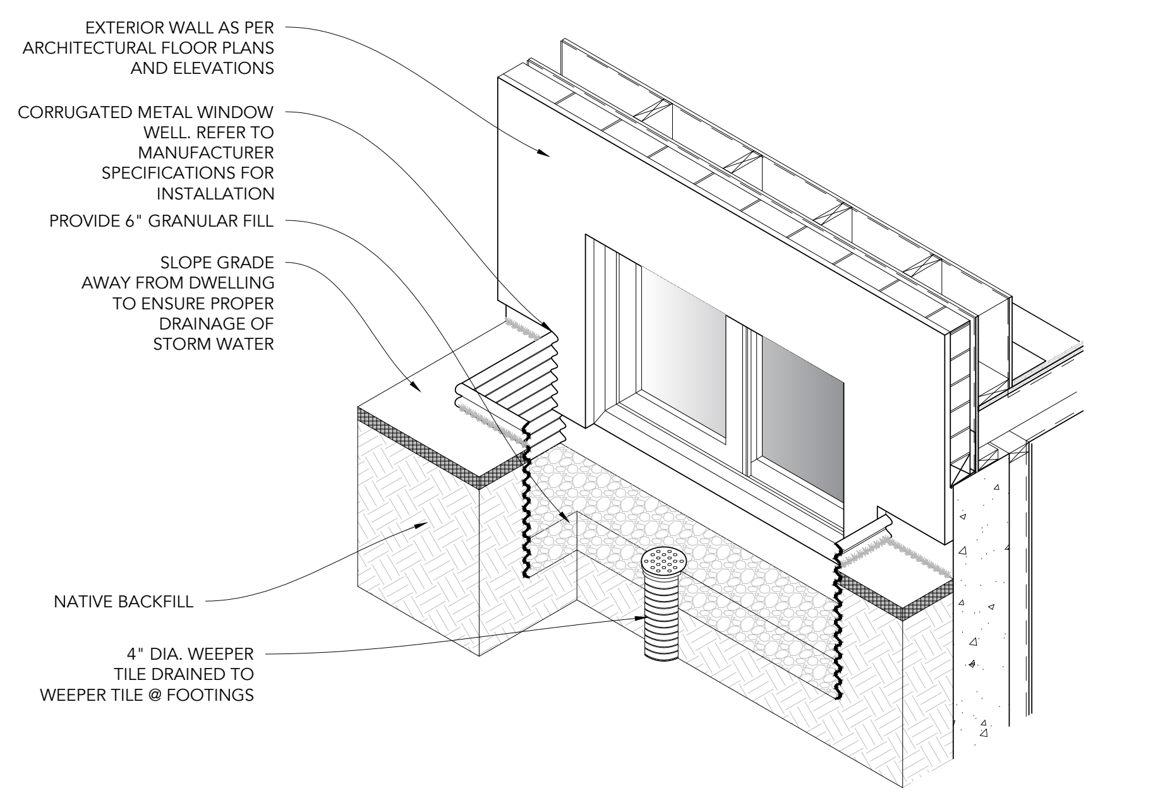

N.T.S.

WINDOW WELL DETAIL

SHEET:

A202