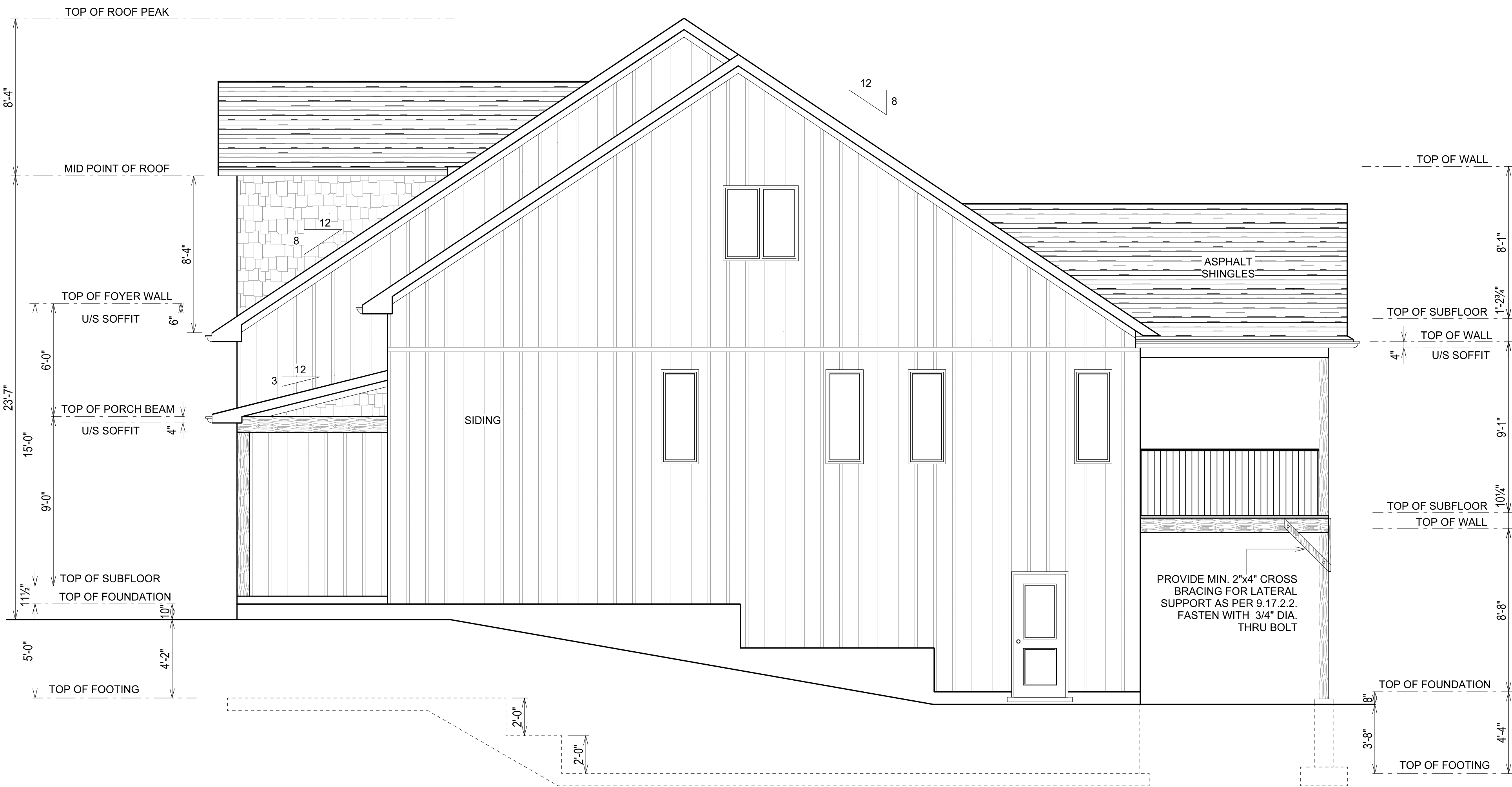




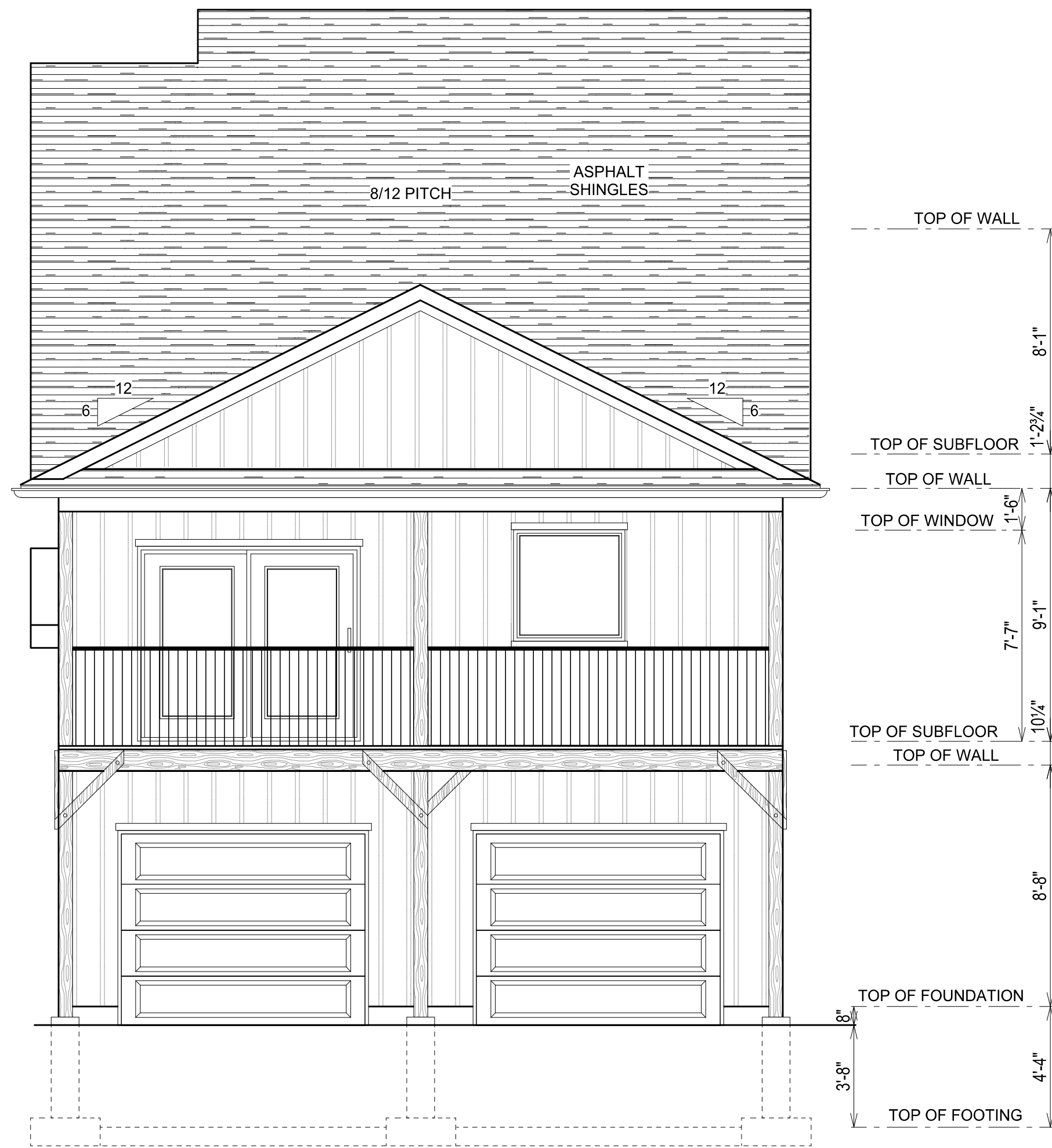
LEFT ELEVATION 1/4"=1'0"



RIGHT ELEVATION 1/4"=1'0"



FRONT ELEVATION 1/4"=1'0"



REAR ELEVATION 1/4"=1'0"

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SPECIFIC NOTES:



289.895.9671
WWW.CANADIANHOMEDESIGNS.COM

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QUALIFICATION INFORMATION
Required under design to control under 3.1.5 of division C of the building code

Clint Excell

NAME

SIGNATURE

36446

BCIN

REGISTRATION INFORMATION
Design is exempt under 3.2.4 of division C of the building code

Canadian Home Designs

NAME

37238

BCIN

JOB NUMBER:

TS314-25

PROJECT :

THE TUCKER
RESIDENCE

GROSS FLOOR AREA

1820 SQ. FT.

LOCATION:

TITLE:

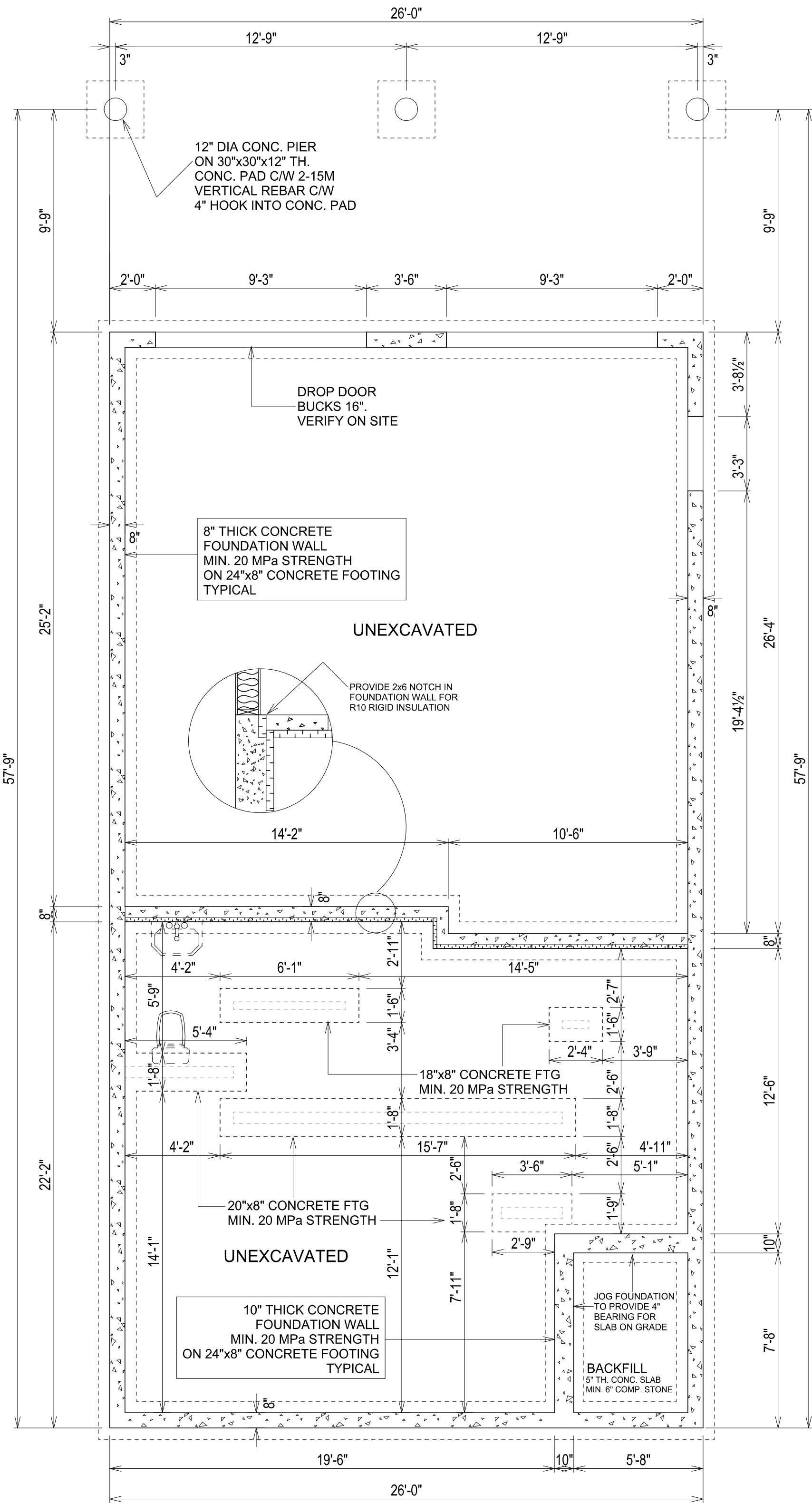
ELEVATIONS

DATE :

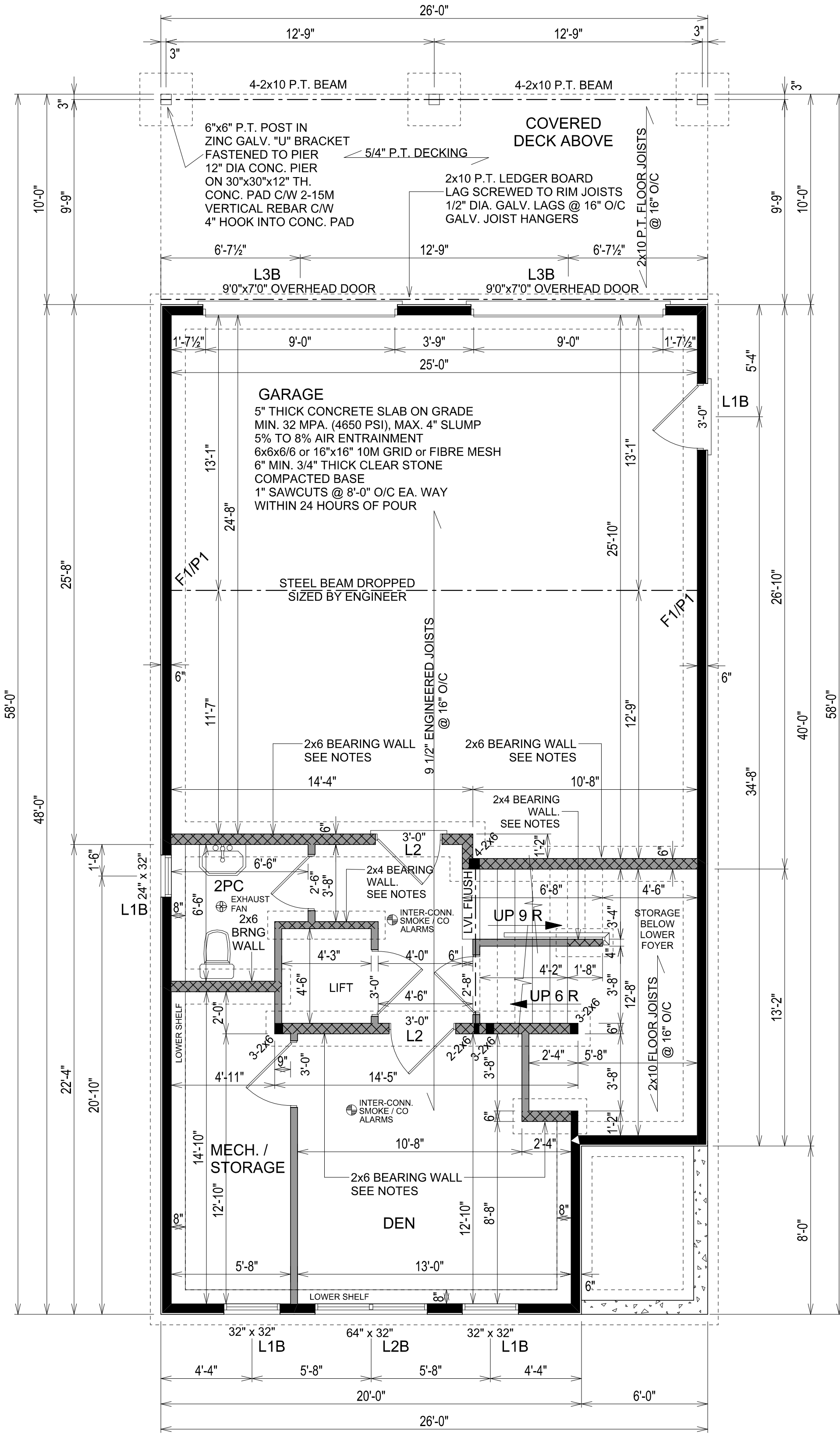
SEPT 2025

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FOUNDATION PLAN 1/4"=1'0"



BASEMENT PLAN 1/4"=1'0"

FOUNDATION PLAN NOTES:

- | | | | | |
|---|---|--|---|---|
| 1. BASEMENT BEAM POCKET BEARING TO BE MIN. 3 1/2" AS PER 9.23.8.1 OF THE OBC. | 6. INTERIOR STAIR HEADROOM TO CONFORM TO 9.8.2.2 OF THE OBC. | 10. OPTIONAL SUSPENDED CONCRETE SLAB AS PER 9.40.1.4 OF OBC TO BE 5" THICK C/W 10M REBAR @ 7 7/8" O/C EA. WAY. | 13. SMOKE ALARMS SHALL BE LOCATED AS PER 9.10.19.3. OF THE OBC. | 17. VERIFY EXISTING GRADES & ALL FINISHED GRADES ON SITE. |
| 2. STAIR WIDTHS AS PER 9.8.2.1. OF THE OBC. | 7. SEE SUPPLIER ENGINEERING DATA FOR ALL PRE-ENGINEERED STEEL TELEPOSTS AND BEAMS, AND WOOD HEADERS, BEAMS, | 11. ALL WINDOW AND DOOR HEADERS SHALL BE #2 GRADE 2-2x10 UNLESS NOTED OTHERWISE ON THESE PLANS. | 14. SMOKE ALARMS SHALL BE WIRED SO THAT WHEN THE ALARM SOUNDS, ALL ALARMS SOUND AS PER 9.10.19.5. OF THE OBC. | 18. CONFIRM LOCATION AND DEPTH OF FOUNDATION WALL STEP DOWNS ON SITE. |
| 3. STAIR LANDINGS AS PER 9.8.6. OF THE OBC. | 8. PARGING ON ALL EXPOSED VERTICAL CONCRETE SURFACES AS PER 9.15.6.2 OF THE OBC. | 12. ALL EXTERIOR CONCRETE FLATWORK TO BE MINIMUM 32 Mpa WITH 5% - 8% AIR ENTRAINMENT | 15. ALL ELECTRICAL TO CONFORM TO 9.34 OF THE OBC. | 19. ALL SUMP PIT COVERS MUST BE SEALED AS PER 9.14.5.2 (2). OF THE OBC. |
| 4. ALL STAIRS TO HAVE MINIMUM HORIZONTAL RUN OF 10", MINIMUM HORIZONTAL TREAD OF 11" AND MAXIMUM VERTICAL RISE OF 7 7/8". | 9. ALL BUILT UP BEAMS TO CONFORM TO 9.23.8.3 OF THE OBC. | | 16. PROVIDE WEEPER IN ALL WINDOW WELLS AND FILL IN WITH 3/4" CLEAR STONE. | 20. ALL EXHAUST FANS AS PER 9.32.3 OF THE OBC. |
| 5. HANDRAIL FOR INTERIOR STAIRS AS PER 9.8.7. OF THE OBC | | | | 21. FLOOR DRAIN TO BE LOCATED NEAR UTILITIES. VERIFY LOCATION WITH BUILDER. |

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SPECIFIC NOTES:

STEEL POST/CONCRETE PAD TABLE

F1/P1 STEEL POST AND CONCRETE PAD TO BE SIZED BY ENGINEER

WINDOW & EXTERIOR DOOR HEADER TABLE

- L1B -DOUBLE 2x8 SPRUCE
-SINGLE 2x6 JACKS EACH SIDE
-ENSURE SOLID BLOCKING BELOW TO ENSURE BEARING FROM FLOOR TO FLOOR DOWN TO FOUNDATION
- L2B -TRIPLE 2x8 SPRUCE
-DOUBLE 2x6 JACKS EACH SIDE
-ENSURE SOLID BLOCKING BELOW TO ENSURE BEARING FROM FLOOR TO FLOOR DOWN TO FOUNDATION
- L3B -ENGINEERED LVL HEADER
TO BE SIZED BY SUPPLIER
-DOUBLE 2x6 JACKS EACH SIDE
-ENSURE SOLID BLOCKING BELOW TO ENSURE BEARING FROM FLOOR TO FLOOR DOWN TO FOUNDATION

BEARING WALL NOTES:

- 2x6 BEARING WALL
TRIPLE P.T. BASE PLATE
WRAPPED IN BLUE SKIN
2x6 STUDS @ 16" O/C
BLOCKING @ MID-POINT
ON 20"x8" CONCRETE FTG
MIN. 20 MPa STRENGTH
- 2x4 BEARING WALL
TRIPLE P.T. BASE PLATE
WRAPPED IN BLUE SKIN
2x4 STUDS @ 16" O/C
BLOCKING @ MID-POINT
ON 18"x8" CONCRETE FTG
MIN. 20 MPa STRENGTH



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BASEMENT PLAN
FOUNDATION PLAN

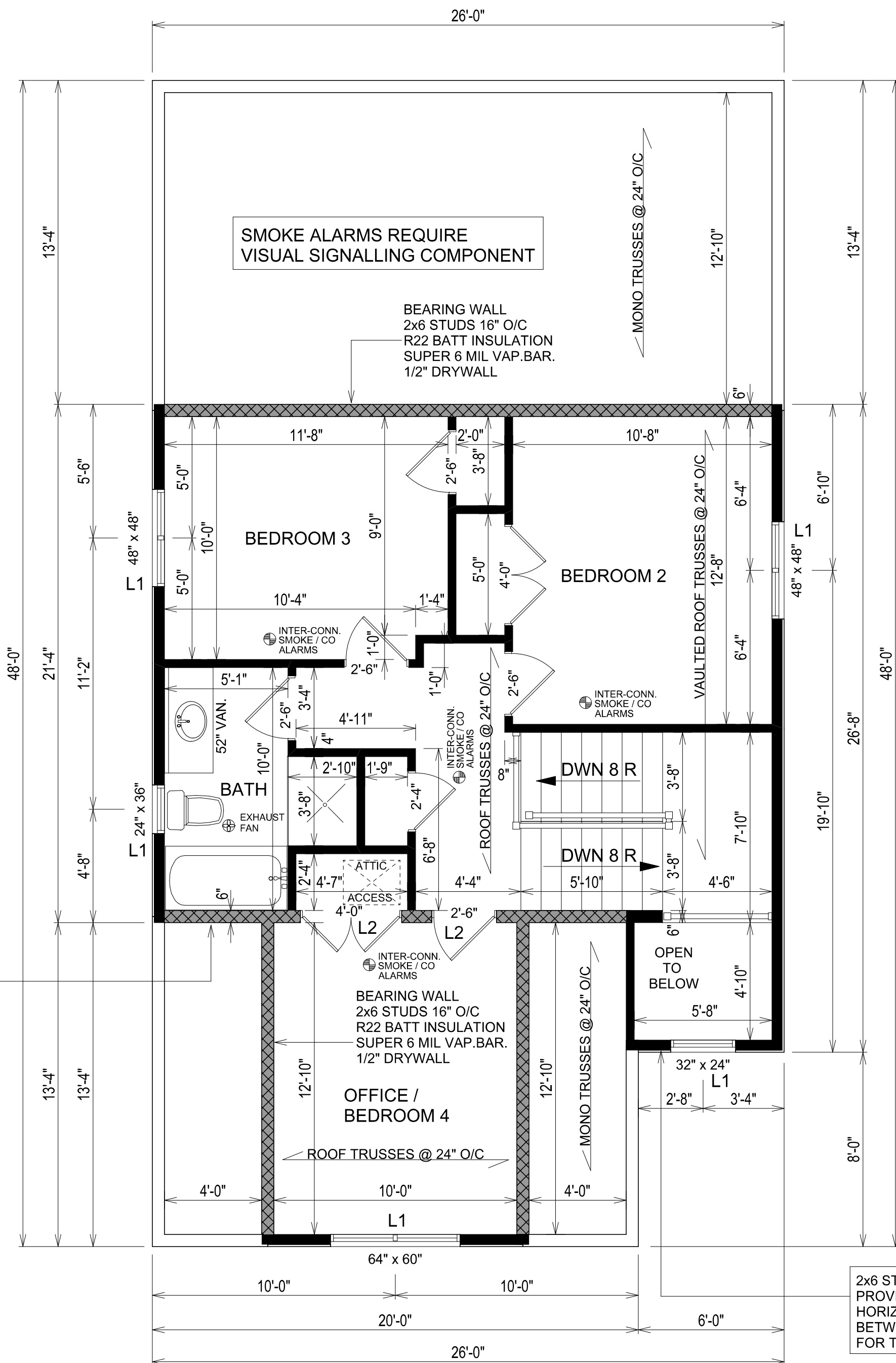
DATE :

SEPT 2025

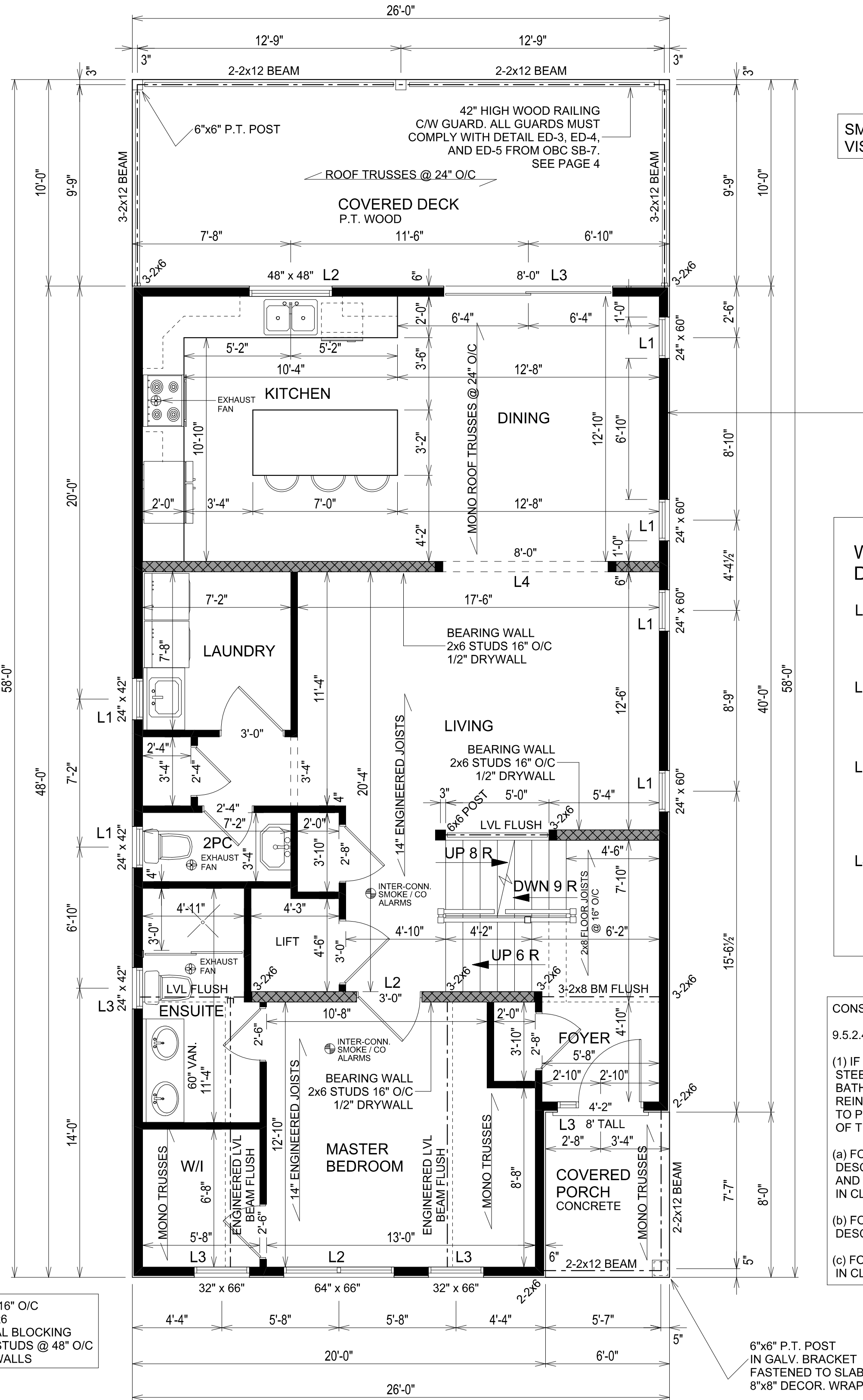
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2ND FLOOR PLAN 1/4"=1'0"
GROSS FLOOR AREA: 620 SQ.FT.
(NOT INCLUDING OPEN TO BELOW)



1ST FLOOR PLAN 1/4"=1'0"
GROSS FLOOR AREA: 1200 SQ.FT.

SMOKE ALARMS REQUIRE VISUAL SIGNALLING COMPONENT

SEE TRUSS PLANS PROVIDED BY TRUSS MANUFACTURER FOR ALL GIRDER TRUSS AND POST LOCATIONS

ALL COLUMNS SUPPORTING GIRDER TRUSS TO BE SAME WIDTH AS GIRDER TRUSS ABOVE

SIDING
TYVEK HOUSE WRAP
C/W TAPED JOINTS
7/16" OSB SHEATHING
2x6 STUDS 16" O/C
R22 BATT INSULATION
SUPER 6 MIL VAP.BAR.
1/2" DRYWALL

WINDOW & EXTERIOR DOOR HEADER TABLE

- L1 -DOUBLE 2x10 SPRUCE
-SINGLE 2x6 JACKS EACH SIDE
-ENSURE SOLID BLOCKING BELOW TO ENSURE BEARING FROM FLOOR TO FLOOR DOWN TO FOUNDATION
- L2 -DOUBLE 2x10 SPRUCE
-DOUBLE 2x6 JACKS EACH SIDE
-ENSURE SOLID BLOCKING BELOW TO ENSURE BEARING FROM FLOOR TO FLOOR DOWN TO FOUNDATION
- L3 -ENGINEERED LVL HEADER
TO BE SIZED BY SUPPLIER
-DOUBLE 2x6 JACKS EACH SIDE
-ENSURE SOLID BLOCKING BELOW TO ENSURE BEARING FROM FLOOR TO FLOOR DOWN TO FOUNDATION
- L4 -ENGINEERED LVL HEADER
TO BE SIZED BY SUPPLIER
-TRIPLE 2x6 JACKS EACH SIDE
-ENSURE SOLID BLOCKING BELOW TO ENSURE BEARING FROM FLOOR DOWN TO BEAM

CONSTRUCTION NOTE 22

9.5.2.4. STUD WALL REINFORCEMENT

(1) IF WOOD WALL STUDS OR SHEET STEEL WALL STUDS ENCLOSE THE MAIN BATHROOM IN A DWELLING UNIT, REINFORCEMENT SHALL BE INSTALLED TO PERMIT THE FUTURE INSTALLATION OF THE FOLLOWING.

(a) FOR A WATER CLOSET, A GRAB BAR DESCRIBED IN CLAUSES 3.8.3.8.(3)(a) AND A GRAB BAR DESCRIBED IN CLAUSE 3.8.3.8.(3)(c).

(b) FOR A SHOWER, A GRAB BAR DESCRIBED IN CLAUSE 3.8.3.13.(2)(g), AND

(c) FOR A BATHTUB, A GRAB BAR DESCRIBED IN CLAUSE 3.8.3.13.(7)(e).

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SPECIFIC NOTES:



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TITLE:

1ST FLOOR PLAN
2ND FLOOR PLAN

DATE :

SEPT 2025

PAGE:

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FLOOR PLAN NOTES:

- ALL STAIRS TO HAVE MINIMUM HORIZONTAL RUN OF 10", MINIMUM HORIZONTAL TREAD OF 11" AND MAXIMUM VERTICAL RISE OF 7 7/8".
- STAIR WIDTHS AS PER 9.8.2.1. OF THE OBC.
- STAIR LANDINGS AS PER 9.8.6. OF THE OBC.
- HANDRAIL FOR INTERIOR STAIRS AS PER 9.8.7. OF THE OBC
- INTERIOR STAIR HEADROOM TO CONFORM TO 9.8.2.2 OF THE OBC

- SEE SUPPLIER ENGINEERING DATA FOR ALL PRE-ENGINEERED STEEL TELEPOSTS AND BEAMS, AND WOOD HEADERS, BEAMS, COLUMNS, AND WOOD I'S.
- ALL BUILT UP BEAMS TO CONFORM TO 9.23.8.3 OF THE OBC.
- PROVIDE ICE AND WATER SHIELD AT VALLEYS AND LOW SLOPE ROOFS PROVIDE EAVE PROTECTION AS PER 9.26.5 OBC.
- ALL COLUMNS SUPPORTING GIRDER TRUSS TO BE SAME WIDTH AS GIRDER TRUSS ABOVE

- PLUMBING NOTE:
- PRESSURE BALANCED OR THERMOSTATICALLYCONTROLLED MIXING VALVES FOR SHOWER UNITS
- PRESSURE BALANCED OR THERMOSTATICALLYCONTROLLED MIXING VALVES FOR ALL FAUCETS OR WATER HEATER SOURCE
- EXTERIOR DOORS TO BE STEEL, INSULATED, C/W WEATHER-STRIPPING AS PER 9.6.5. OF THE OBC.

- ENTRANCE DOOR FROM GARAGE TO BE STEEL, INSULATED, C/W WEATHER-STRIPPING AND SELF CLOSING DEVICE AS PER 9.10.13.15. OF THE OBC
- GAS SEAL GARAGE FROM HOUSE 1/2" DRYWALL MUD AND TAPED ON GARAGE SIDE
- SMOKE ALARMS SHALL BE LOCATED AS PER 9.10.19.3. OF THE OBC.

- SMOKE ALARMS SHALL BE WIRED SO THAT WHEN THE ALARM SOUNDS, ALL ALARMS SOUND AS PER 9.10.19.5. OF THE OBC.
- CARBON MONOXIDE DETECTORS REQUIRED FOR FUEL APPLIANCES (OBC 9.32.3.9), AS WELL AS ADJACENT TO EACH SLEEPING AREA.
- ALL CERAMIC & PLASTIC TILES INSTALLED ON WALLS AROUND BATHTUBS OR SHOWERS SHALL BE APPLIED OVER MOISTURE RESISTANT BACKING AS PER 9.29.10.4 OF THE OBC.

- ALL ELECTRICAL TO CONFORM TO 9.34 OF THE OBC.
- ALL EXTERIOR CLADDING AND EXTERIOR FLASHING TO BE INSTALLED AS PER 9.27 OF THE OBC.
- ALL EXHAUST FANS AS PER 9.32.3.10 OF THE OBC.
- VERIFY EXACT LOCATION OF POSTS AND ENGINEERED LVL HEADERS WITH TRUSS PLANS PROVIDED BY TRUSS MANUFACTURER. TYPICAL ALL LOCATIONS.

ACCEPTABLE RADON CONFIGURATIONS AS PER 9.13.4.3 OF THE 2024 OBC

PLAN

FRONT ELEVATION

SIDE ELEVATION

AXONOMETRIC

Technical drawings of the RM JOIST system, showing Plan, Front Elevation, Side Elevation, and Axonometric views.

PLAN: Shows the top view of the joist system, highlighting the 7 x 76 mm [3"] screws and the 38 x 89 (2' x 4") RAIL.

FRONT ELEVATION: Shows the front view of the joist system, highlighting the 7 x 76 mm [3"] screws and the 38 x 89 (2' x 4") RAIL.

SIDE ELEVATION: Shows the side view of the joist system, highlighting the 7 x 76 mm [3"] screws, the 38 x 89 (2' x 4") RAIL, and the 76 mm [3"] JOIST.

AXONOMETRIC: Shows the 3D view of the joist system, highlighting the 7 x 76 mm [3"] screws, the 38 x 89 (2' x 4") RAIL, and the 76 mm [3"] JOIST.

Labels and Dimensions:

- #7 x 76 mm [3"] SCREWS @ 300
- TOP RAIL
- #7 x 63 mm [2 1/2"] SCREW
- 38 x 89 (2' x 4") RAIL
- PICKETS
- 2 - #7 x 76 [3"] SCREWS
- #8 x 76 mm [3"] SCREWS (@200 (8"))
- 2 - #8 x 76 mm [3"] SCREWS THROUGH 38 x 140 (2' x 6") CUTTER DECK BOARD PER JOIST CONNECTION
- RM JOIST
- JOIST @ 400
- 184
- 160
- 100

Notes:

1. Provide a suitable post, return, or solid support at each end of the guard.
2. Wood for cantilevered pickets shall be Northern Species.
3. Fasten rim joist to each floor joist with 3- 82 mm (3 1/4") nails.
4. Dimensions shown are in mm unless otherwise specified.

Notes:

- For cantilevered posts, return, or solid support at each end of the guard.
- Wood for cantilevered pickets shall be Northern Species.
- Fasten rim joist to blocking with 3 - 82 mm (3 1/4") nails.
- Dimensions shown are in mm unless otherwise specified.

PLAN TOP RAIL

3 - 48 x 76 mm (3") SCREWS

AXONOMETRIC

ONE FASTENER IN HORIZONTALLY ORIENTATED PORTION OF TOP RAIL
AND TWO IN VERTICALLY ORIENTATED PORTION.

FRONT TOP RAIL

SIDE TOP RAIL

Notes:

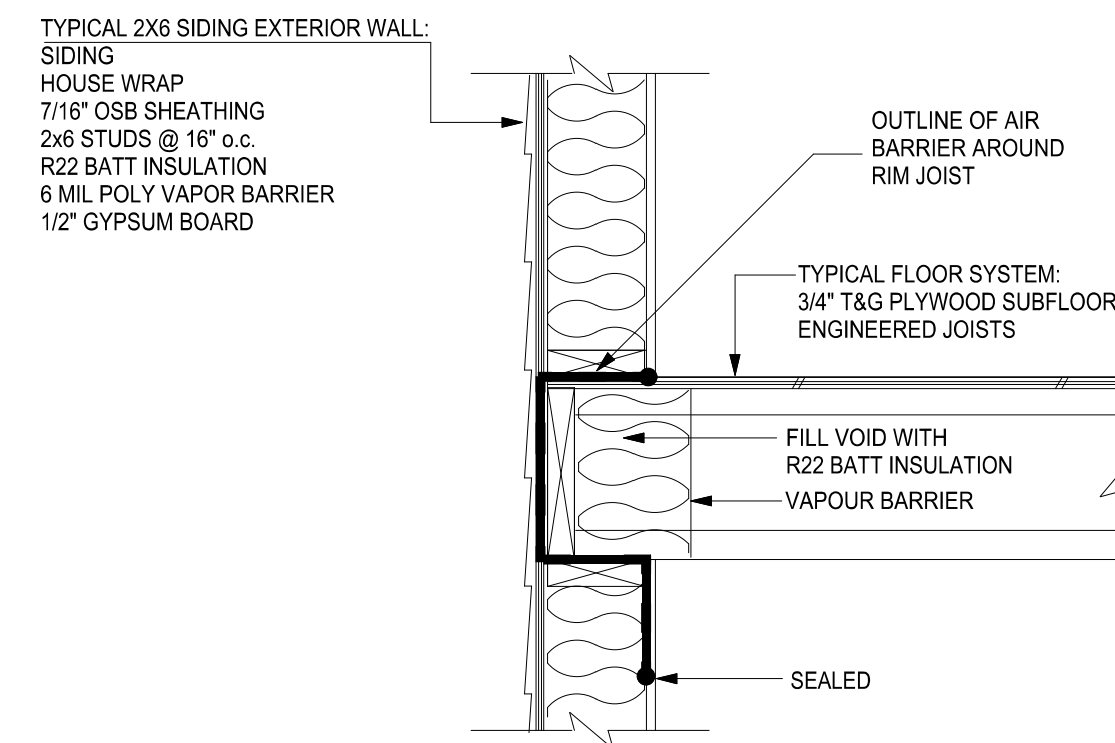
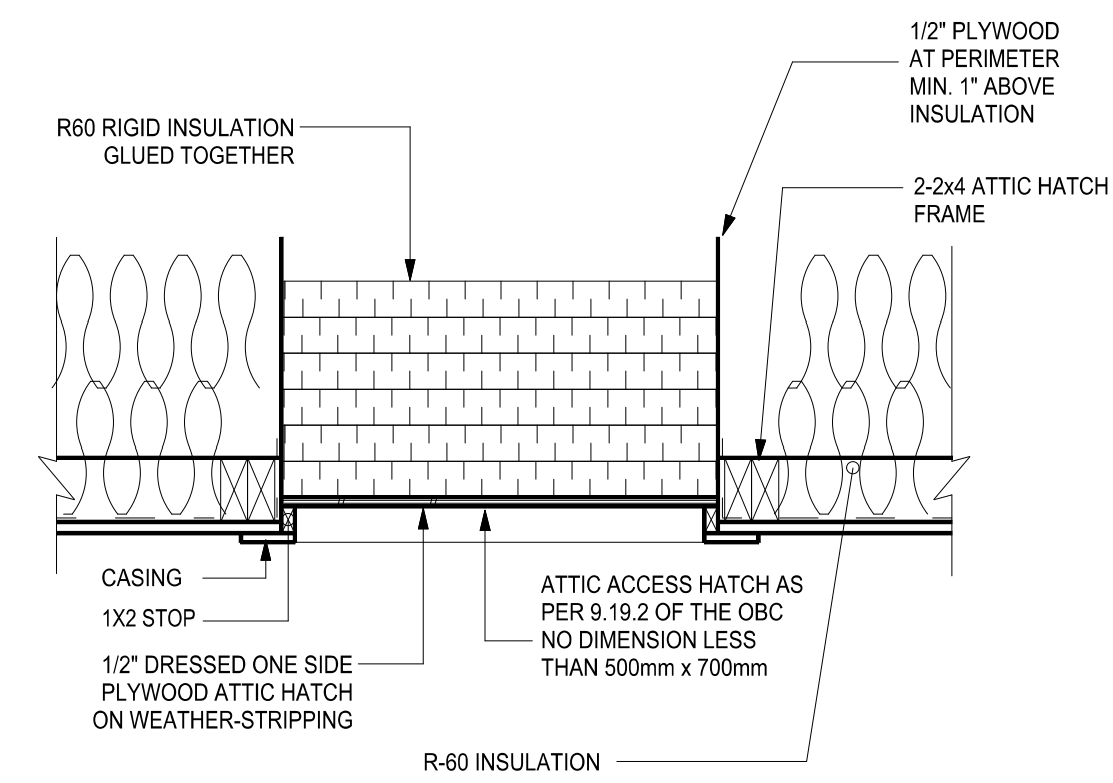
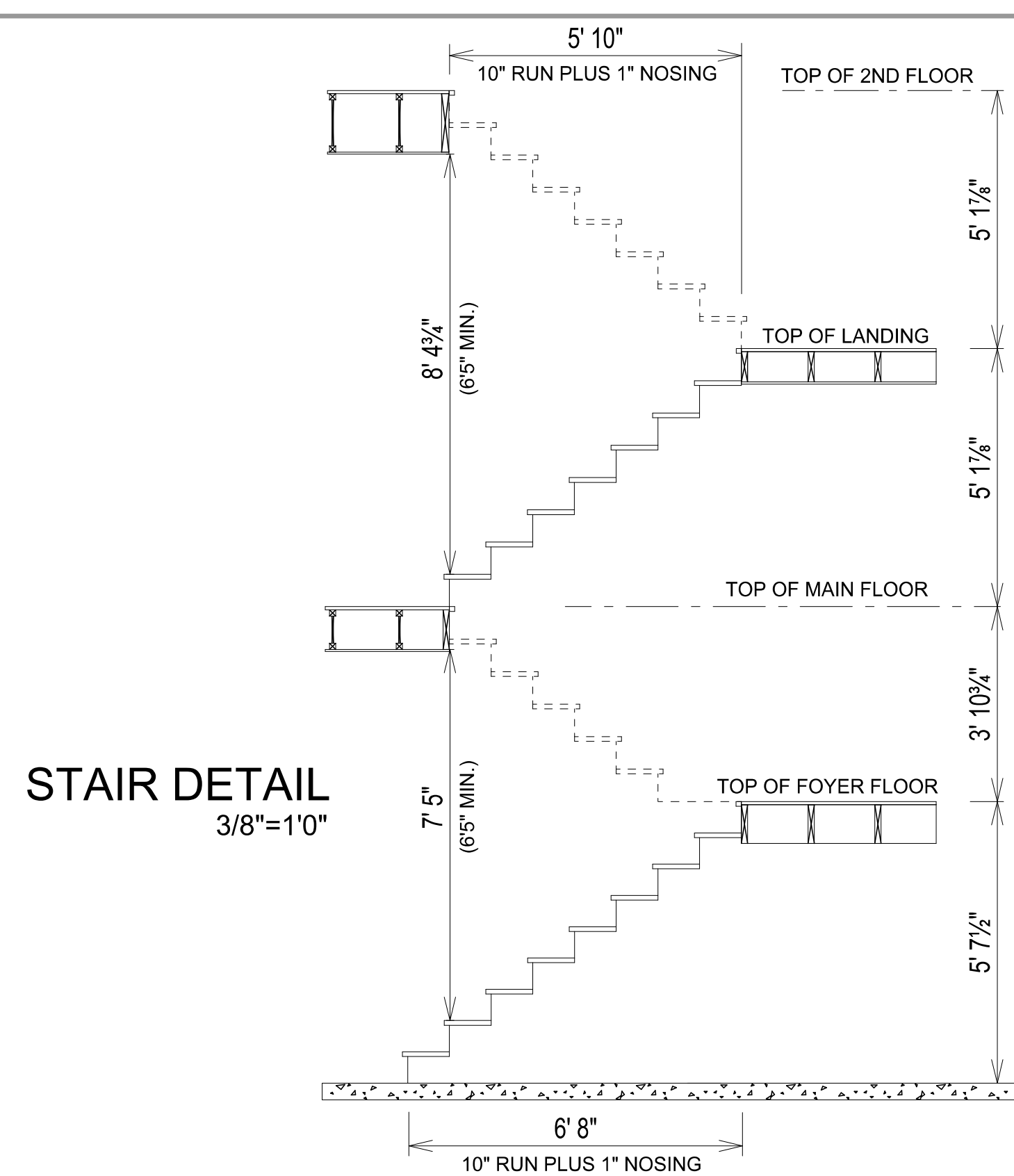
1. Screws fastening pickets are omitted for clarity.
2. Provide a minimum of 10 pickets beyond the return if end restraint of the guard is provided by this return detail only.

ONE SQ.FT. OF ROOF VENT
AREA PER 300 SQ.FT.
OF INSULATED ATTIC SPACE
AS PER 9.19.1.2 OF THE OBC.

PROVIDE ICE AND WATER SHIELD
AT VALLEYS AND LOW SLOPE ROOFS

PROVIDE EAVE PROTECTION AS PER 9.26.5 OBC.

4



SB-12 ENERGY EFFICIENCY NOTES:

1. ALL CONSTRUCTION MUST MEET THE PERFORMANCE LEVEL THAT IS EQUAL TO A RATING OF 80 OR MORE AS PER SUPPLEMENTARY STANDARD SB-12 OF THE OBC.

2. THESE PLANS MUST CONFORM TO COMPLIANCE PACKAGE "A1" AS PER TABLE 3.1.1.2.A. OF SB-12 OF THE OBC.

GROSS WALL AREA = 3451 SQ.FT.
GROSS GLASS AREA = 330 SQ.FT.
% GLASS/WALL = 9%

CEILING WITH ATTIC SPACE MINIMUM R-VALUE = R60
CEILING WITHOUT ATTIC SPACE MINIMUM R-VALUE = R31
EXPOSED FLOOR MINIMUM R-VALUE = R31
WALLS ABOVE GRADE MINIMUM R-VALUE = R22
BASEMENT WALLS MINIMUM R-VALUE = R20ci (R12 + R10ci)

EDGE OF BELOW GRADE SLAB AND HEATED
SLAB LESS THEN OR EQUAL TO 600mm BELOW
GRADE MINIMUM R-VALUE = R10

WINDOWS AND SLIDING GLASS DOORS
MAXIMUM U-VALUE = 0.28
SKYLIGHTS MAXIMUM U-VALUE = 0.49
SPACE HEATING EQUIPMENT MINIMUM AFUE = 96%
HRV MINIMUM EFFICIENCY = 75%
DOMESTIC HOT WATER HEATER MINIMUM EF = 0.80

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NEVER SCALE BLUEPRINTS.

SPECIFIC NOTES:



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CROSS SECTION A AND DETAILS

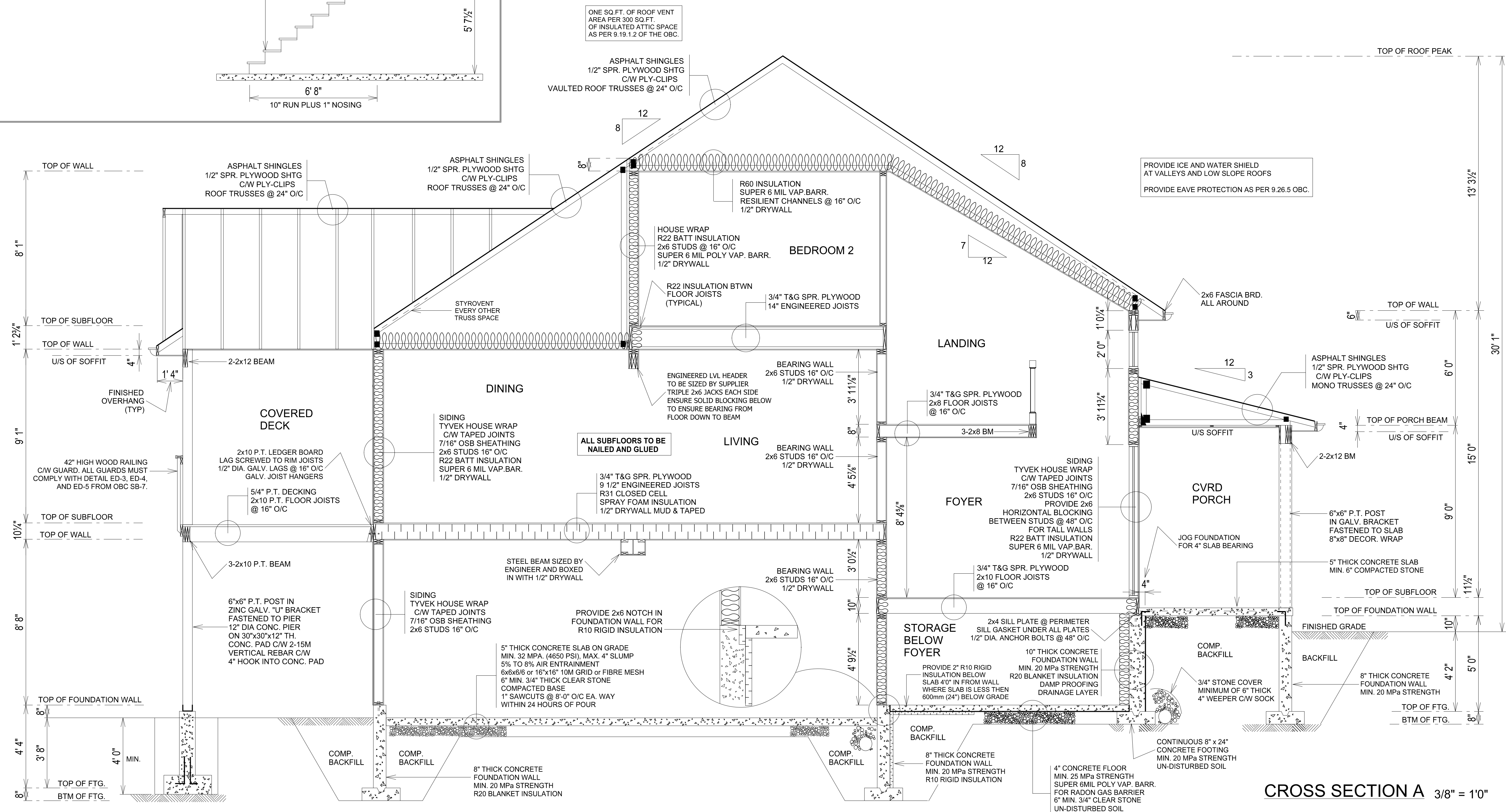
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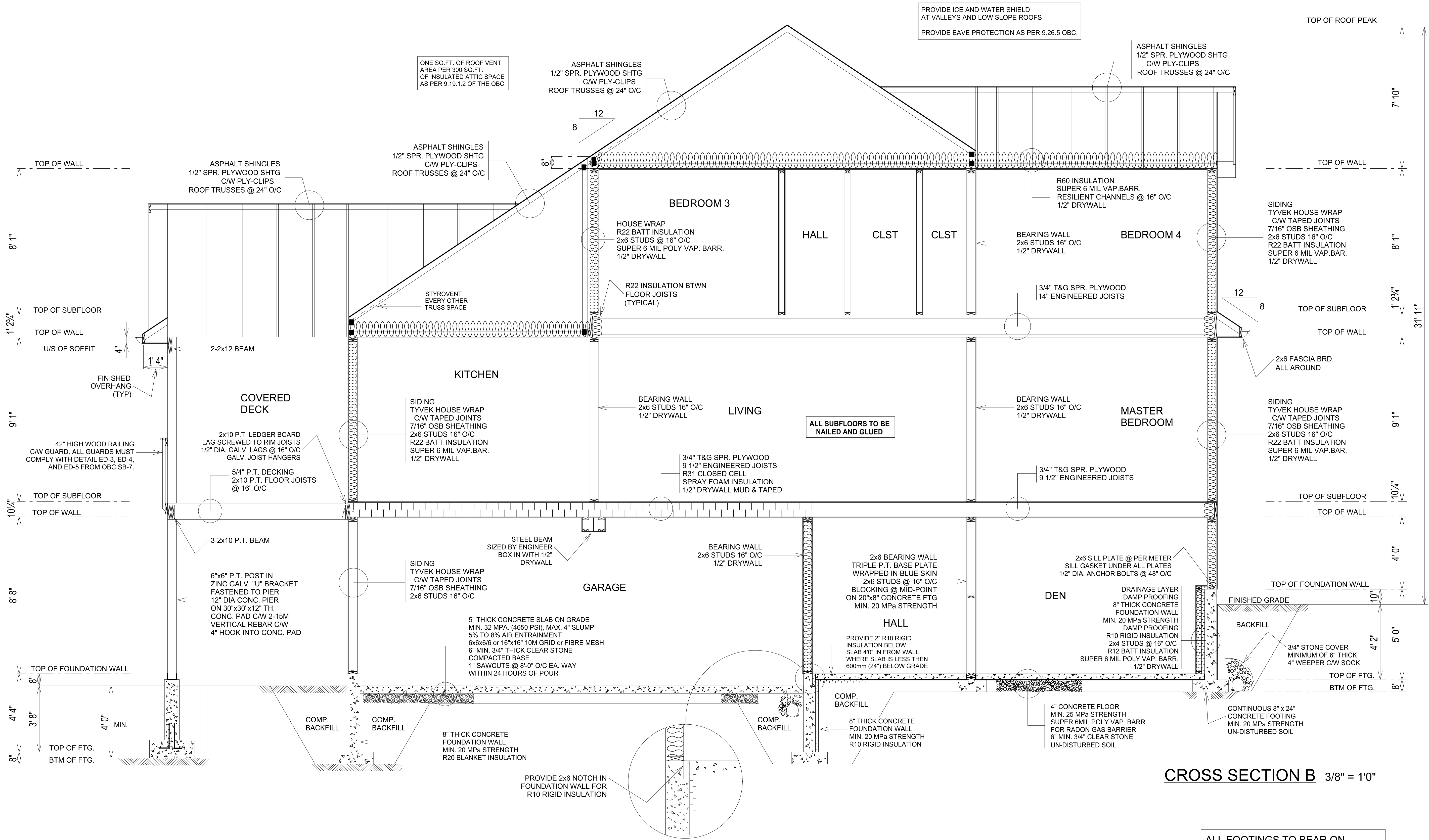
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CROSS SECTION B 3/8" = 1'0"

ALL FOOTINGS TO BEAR ON
UNDISTURBED NATIVE MATERIAL
W/ MINIMUM ALLOWABLE BEARING
STRENGTH OF 75 KPa (1566 PSF)

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CROSS SECTION B

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