Cider Box Tiny House Plans - 24 Foot

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Cider Box Purchase Agreement

Please read carefully. By purchasing this plan, you understand and agree to the following:

This design and plan is intended only for competent and knowledgeable builders. These plans assume general knowledge and skills, including but not limited to roofing, electrical, plumbing, and framing. These plans have not been approved by an architect or an engineer. If you are not an experienced builder, we recommend consulting with a licensed contractor prior to attempting to build a house from these plans. Contact your local building code officials to ensure you comply with local codes.

Any person or entity (hereinafter, "Builder") engaging in the construction of a tiny house using the design of Shelter Wise, LLC assumes the entire responsibility and liability for and agrees to hold Shelter Wise, LLC harmless from any and all damage or injury of any kind or nature whatsoever to all persons, whether employees of Builder or otherwise, and to all property (including loss of use of such property) caused by, resulting from, arising out of, or occurring in connection with construction related to or based upon PAD's construction design, plan, instructions, or other communication.

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Cider Box Purchase Agreement

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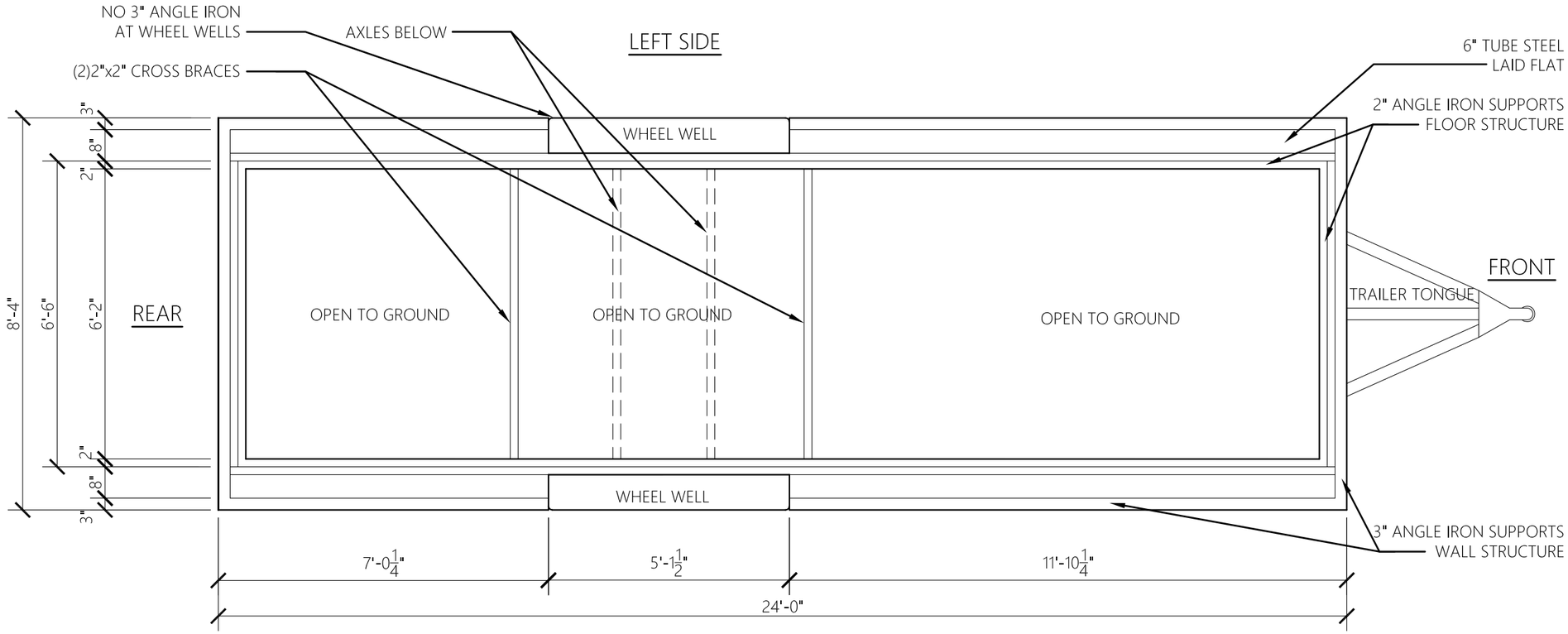

RIGHT SIDE

24' TRAILER FRAME AS-BUILT PLAN

SCALE 3/8"=1'-0"

KEY:

ASF - ABOVE SUB-FLOOR
ALF - ABOVE LOFT FLOOR

WINDOW & DOOR SCHEDULE:

TAG	QTY	ROUGH OPENING	TYPE	NOTES
Ⓐ	2	1616 (18"x18")	AWNING	SILL HT. - BATH 4'-5" ASF, SMALL LOFT 1'-3" ALF (NOT EGRESS)
Ⓑ	2	2026 (24"x30")	AWNING	SILL HT. - 3'-5"ASF
Ⓒ	3	2030 (24"x36")	AWNING	2 JOINED IN SAME OPENING; 1 SINGLE; SILL HT. - 2'-11"ASF
Ⓓ	1	5068 (60"x 80")	EXTERIOR, FULL LITE FRENCH DOOR	OUTSWING, LEFT PASSIVE, RIGHT ACTIVE
Ⓔ	1	2468 (28"x78")	POCKET DOOR	NOT A STANDARD HT.; TRIMMING REQ.
Ⓕ	1	2620 (30"x24")	CASEMENT W/EGRESS HINGE	SILL HT. - 10" ALF; MEETS RV EGRESS REQS.
Ⓖ	2	2616 (30"x18")	AWNING	SILL HT. - 3 1/4" ABOVE STRUCTURAL BEAM
Ⓗ	4	2616 (30"x18")	FIXED PICTURE	SILL HT. - 3 1/4" ABOVE STRUCTURAL BEAM

OPTIONAL:

Ⓙ	2	INSIDE CURB -22 1/2" x 34 1/2"	OUTSIDE CURB-25 1/2"x37 1/2"	SKYLIGHT	CURB MTD; LOW-SLOPE; MAX CLEARANCE - 26 9/16" x 38 9/16"

DRAWING INDEX:

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

24' TRAILER FRAME AS-BUILT PLAN

A1.1

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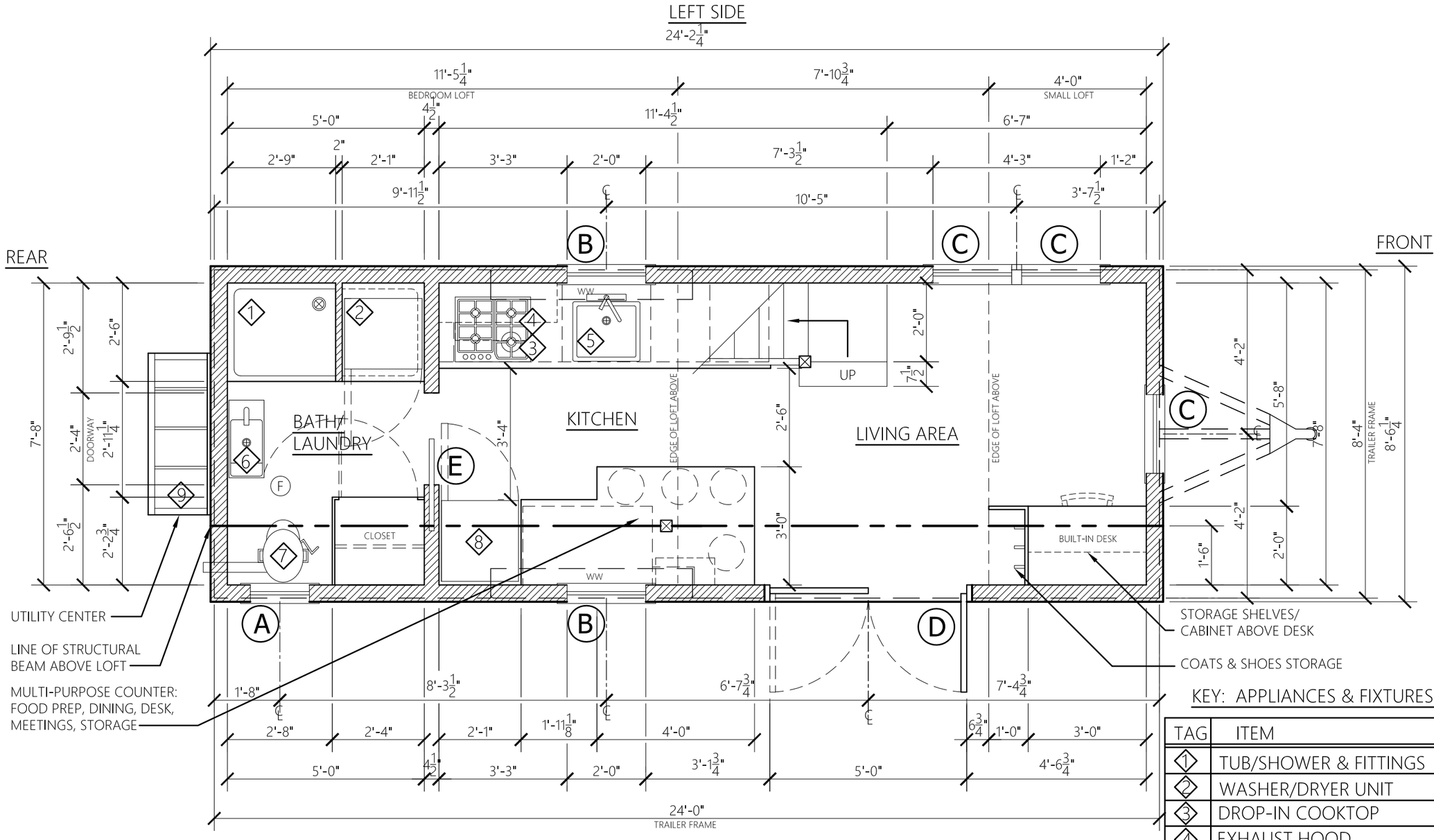

RIGHT SIDE

MAIN FLOOR PLAN

SCALE 3/8"=1'-0"

KEY: APPLIANCES & FIXTURES

TAG	ITEM
1	TUB/SHOWER & FITTINGS
2	WASHER/DRYER UNIT
3	DROP-IN COOKTOP
4	EXHAUST HOOD
5	SINK & FITTINGS - KITCHEN
6	SINK & FITTINGS - BATH
7	TOILET - WATERLESS
8	REFRIGERATOR
9	WATER HEATER

GENERAL NOTES:

1 - RIGHT WALL & LEFT WALL ARE IDENTIFIED BY STANDING AT THE TONGUE FACING AWAY FROM THE TRAILER

2 - EXTERIOR WALLS SHOWN AT 5 1/8" THICK; ALLOWS FOR 1/2" INTERIOR FINISH WALL; 2x4 FRAMING; 3/8" PLYWOOD SHEATHING; 1/4" RAIN SCREEN & 1/2" FINISH SIDING

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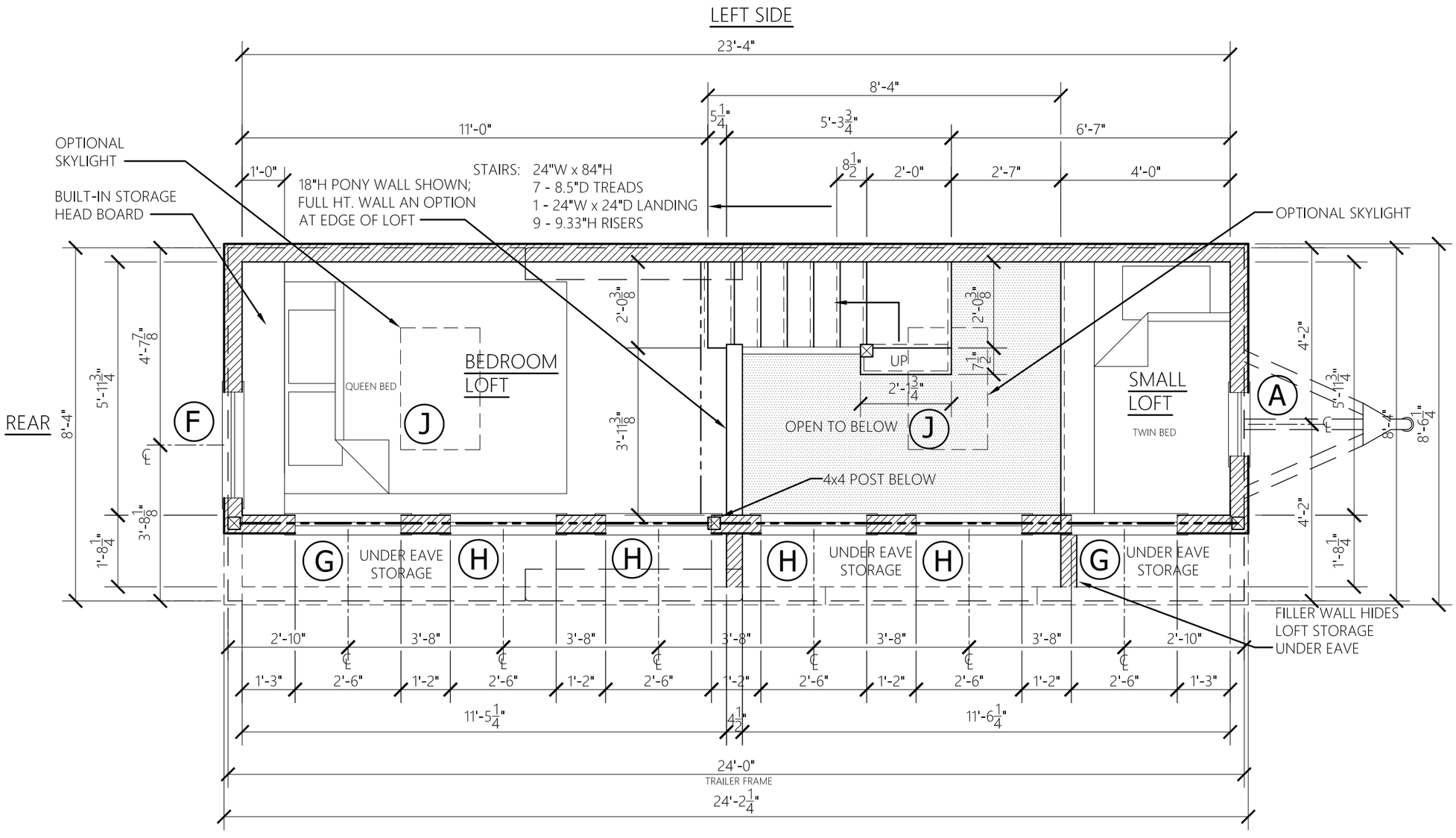
PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

MAIN FLOOR PLAN

A2.1



RIGHT SIDE

LOFTS FLOOR PLAN

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

LOFTS FLOOR PLAN

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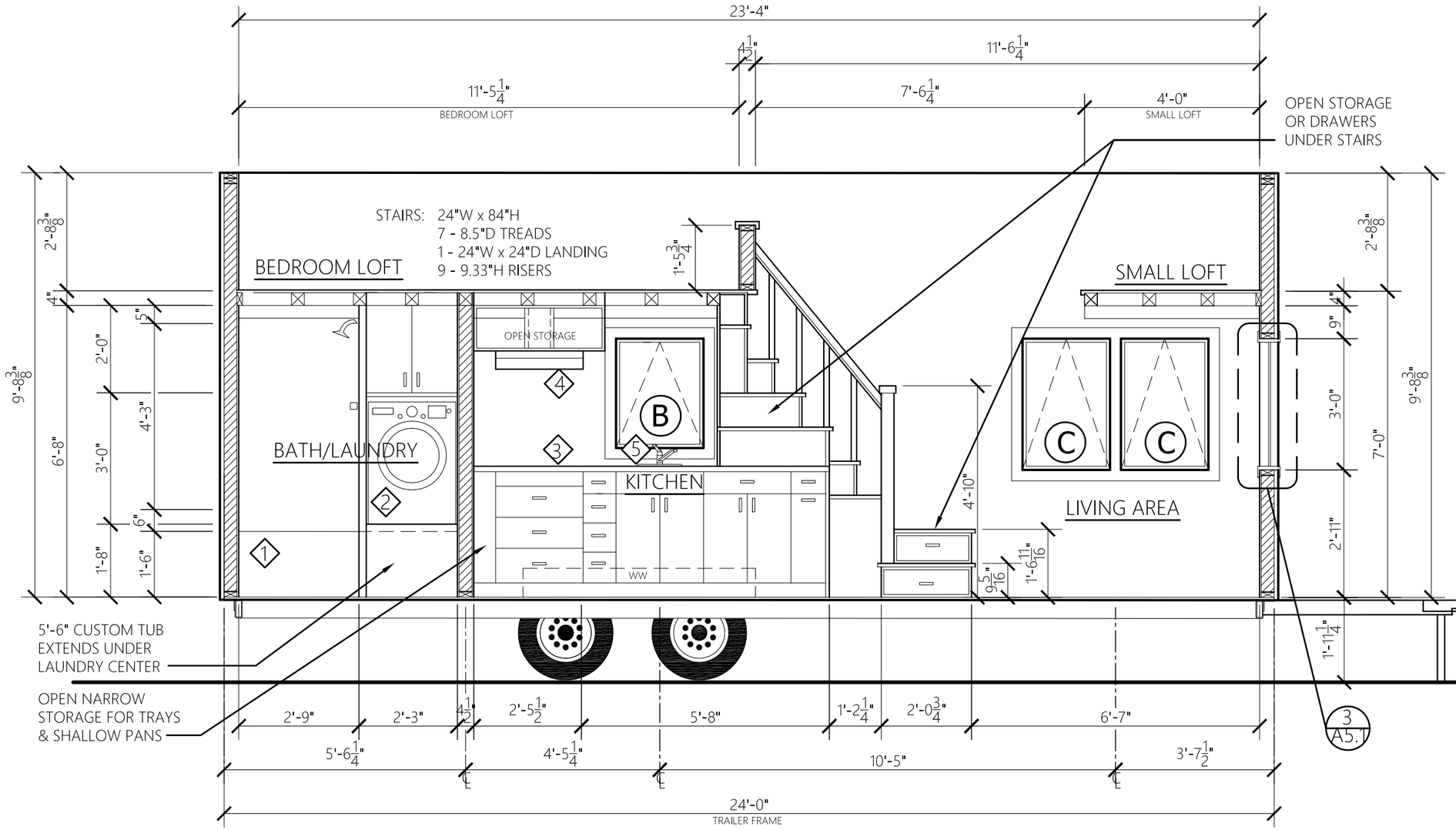

ELEVATION: LEFT SIDE INTERIOR

SCALE 3/8"=1'-0"

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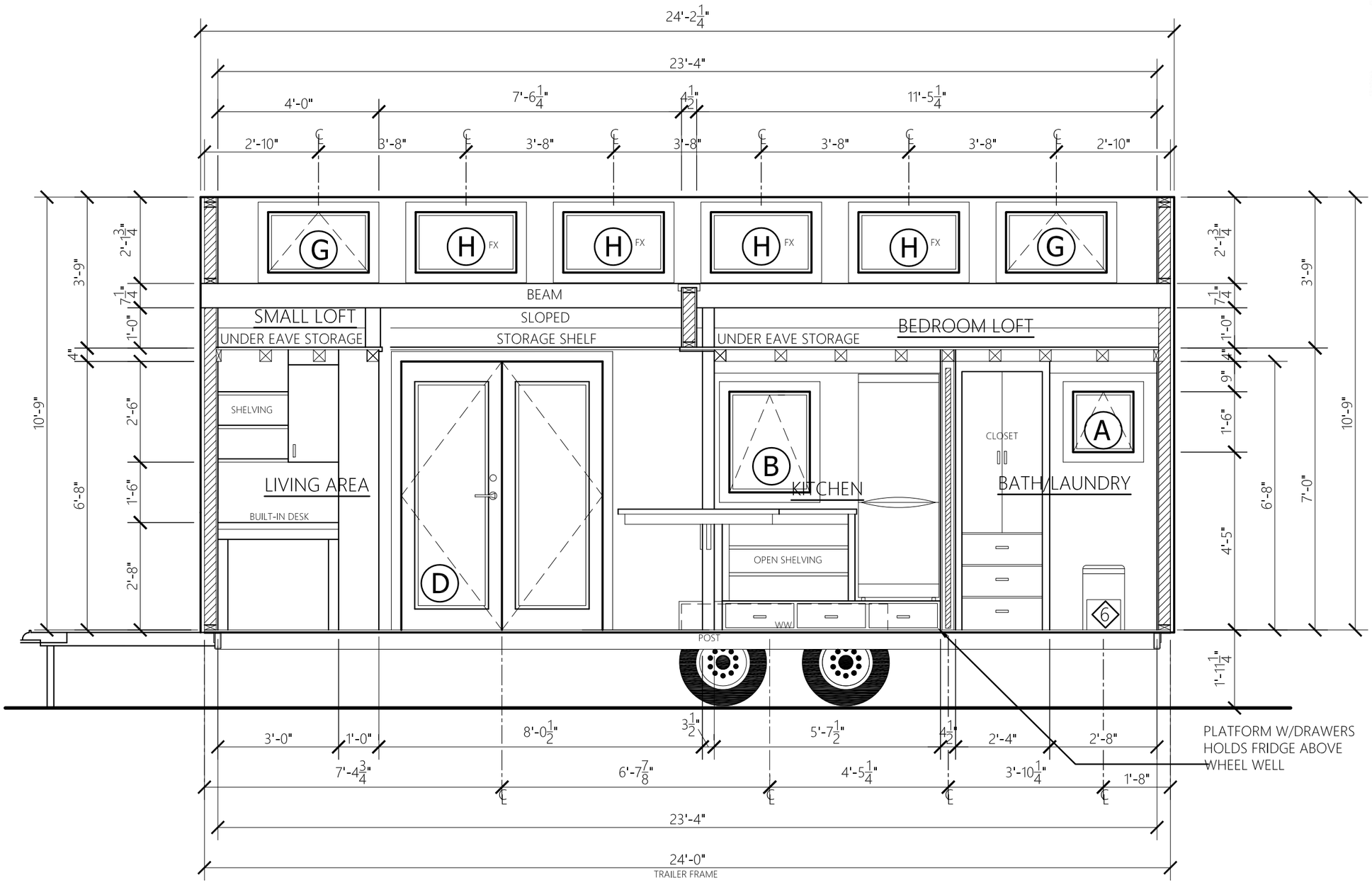
PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

ELEVATION: LEFT SIDE INTERIOR

A3.1



ELEVATION: RIGHT SIDE INTERIOR

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

ELEVATION: RIGHT SIDE INTERIOR

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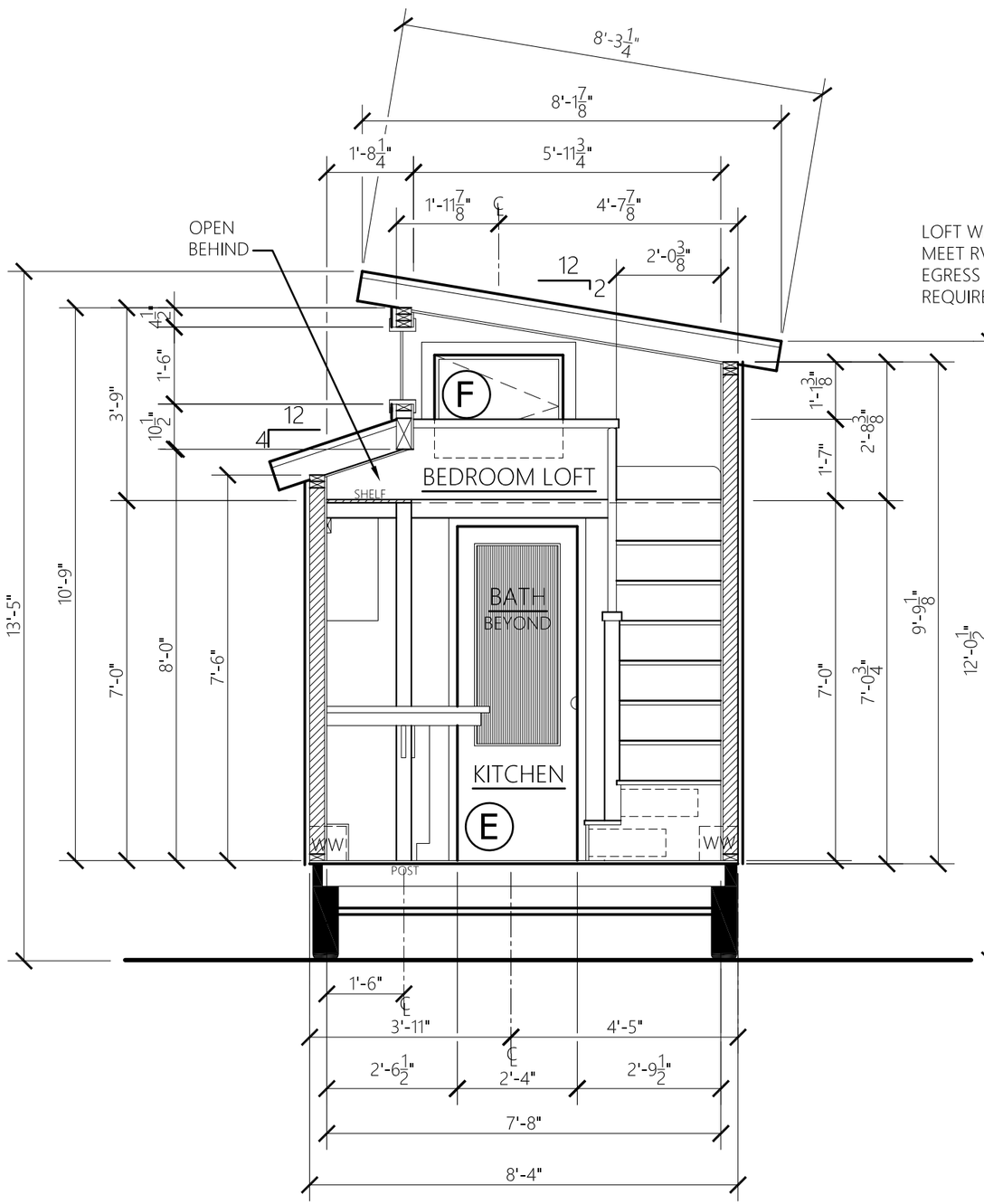
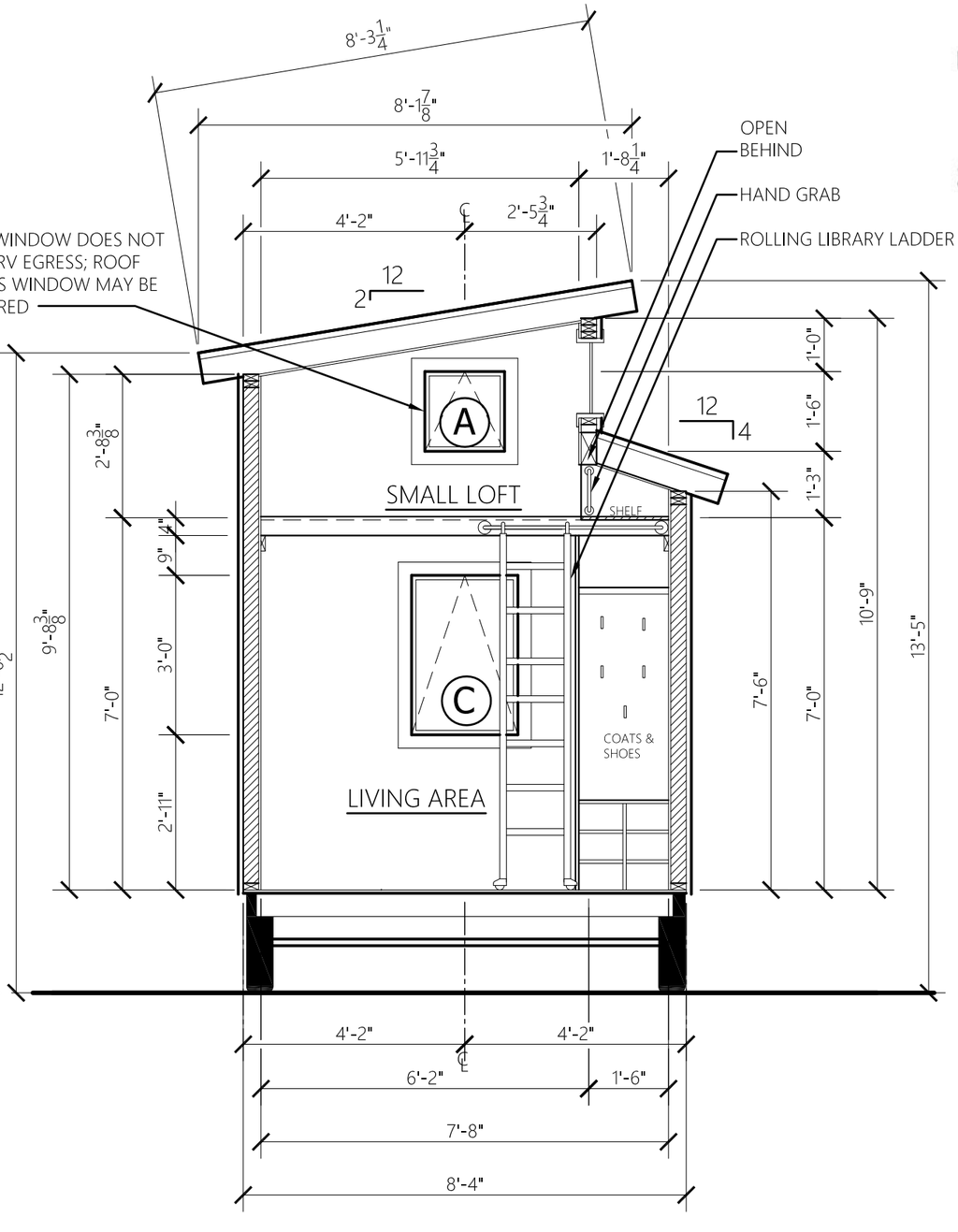


ELEVATION: REAR INTERIOR

SCALE 3/8"=1'-0"



ELEVATION: FRONT INTERIOR

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

ELEVATIONS: REAR & FRONT INTERIOR

A3.3

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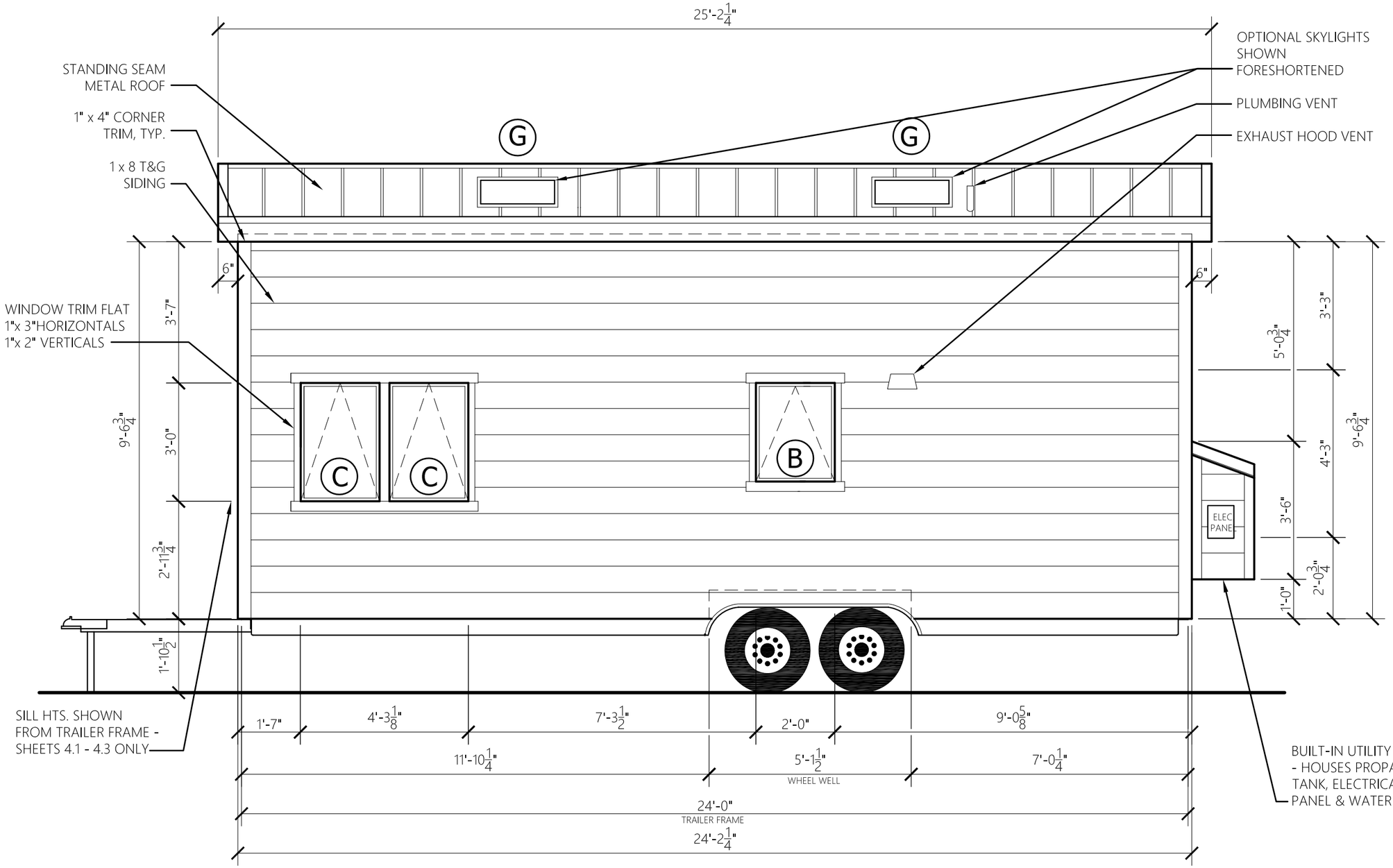

ELEVATION: LEFT SIDE EXTERIOR

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

ELEVATION: LEFT SIDE EXTERIOR

A4.1

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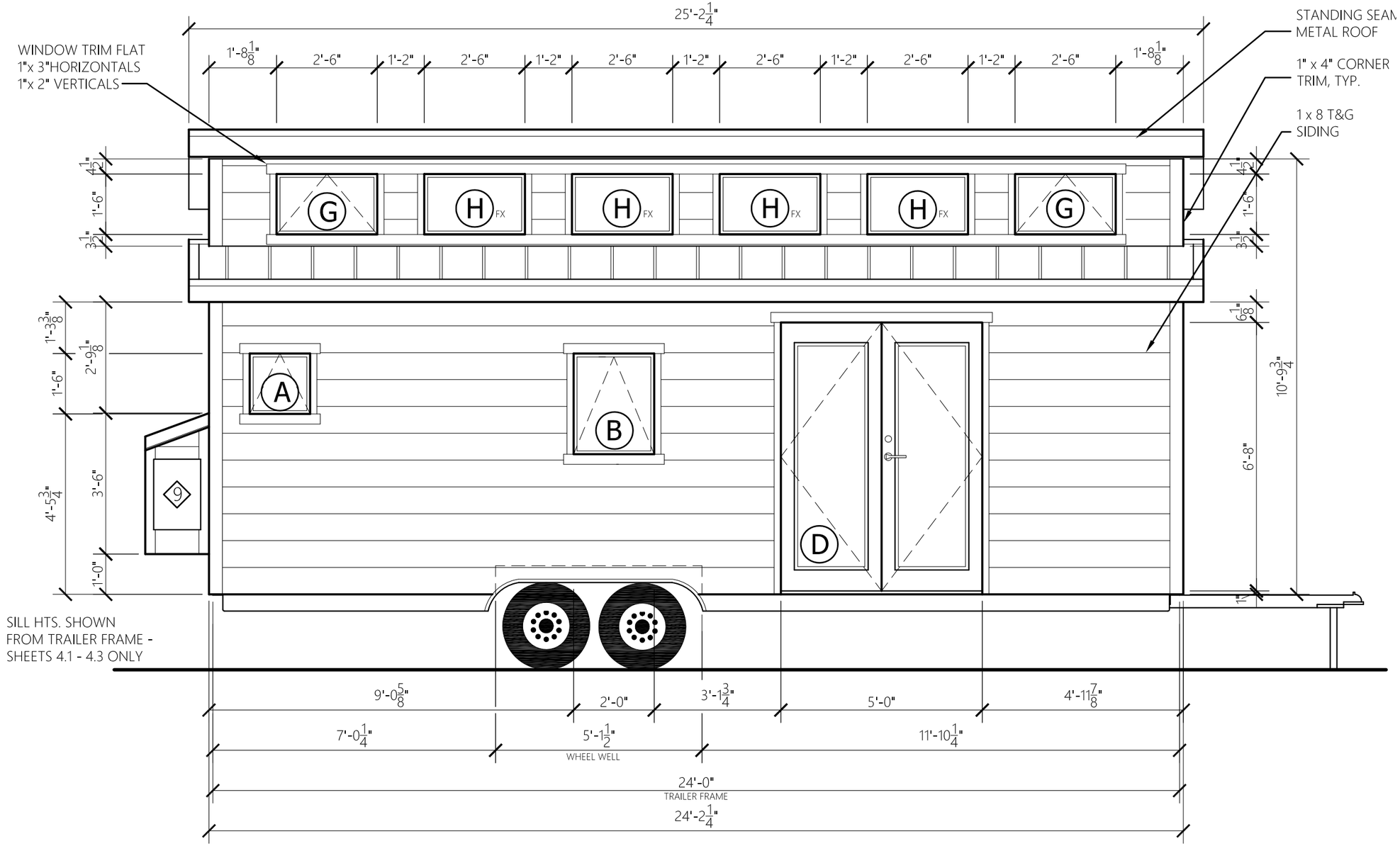

ELEVATION: RIGHT SIDE EXTERIOR

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

ELEVATION: RIGHT SIDE EXTERIOR

A4.2

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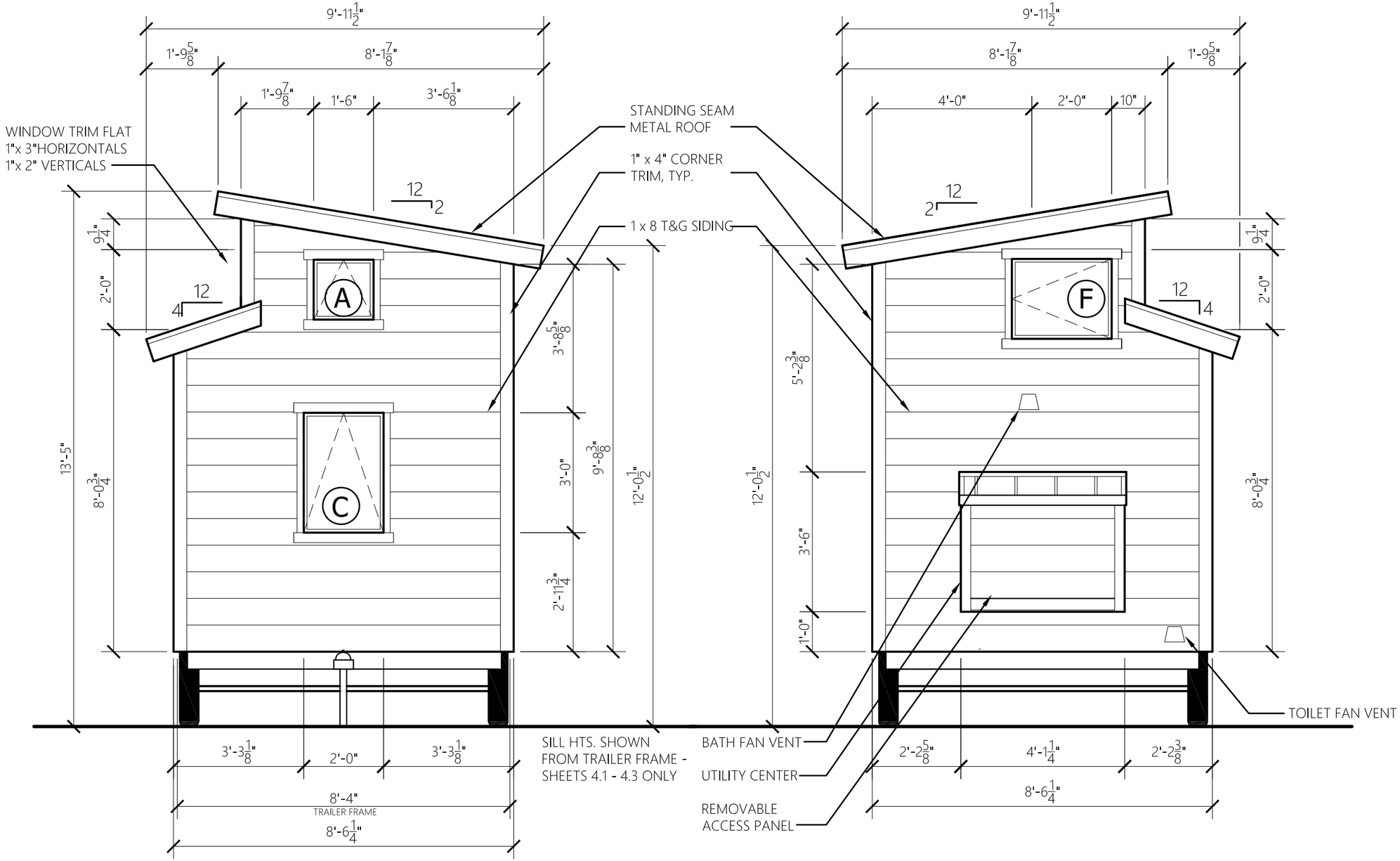

ELEVATION: FRONT EXTERIOR

SCALE 3/8"=1'-0"

ELEVATION: REAR EXTERIOR

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

ELEVATIONS:
FRONT & REAR
EXTERIOR

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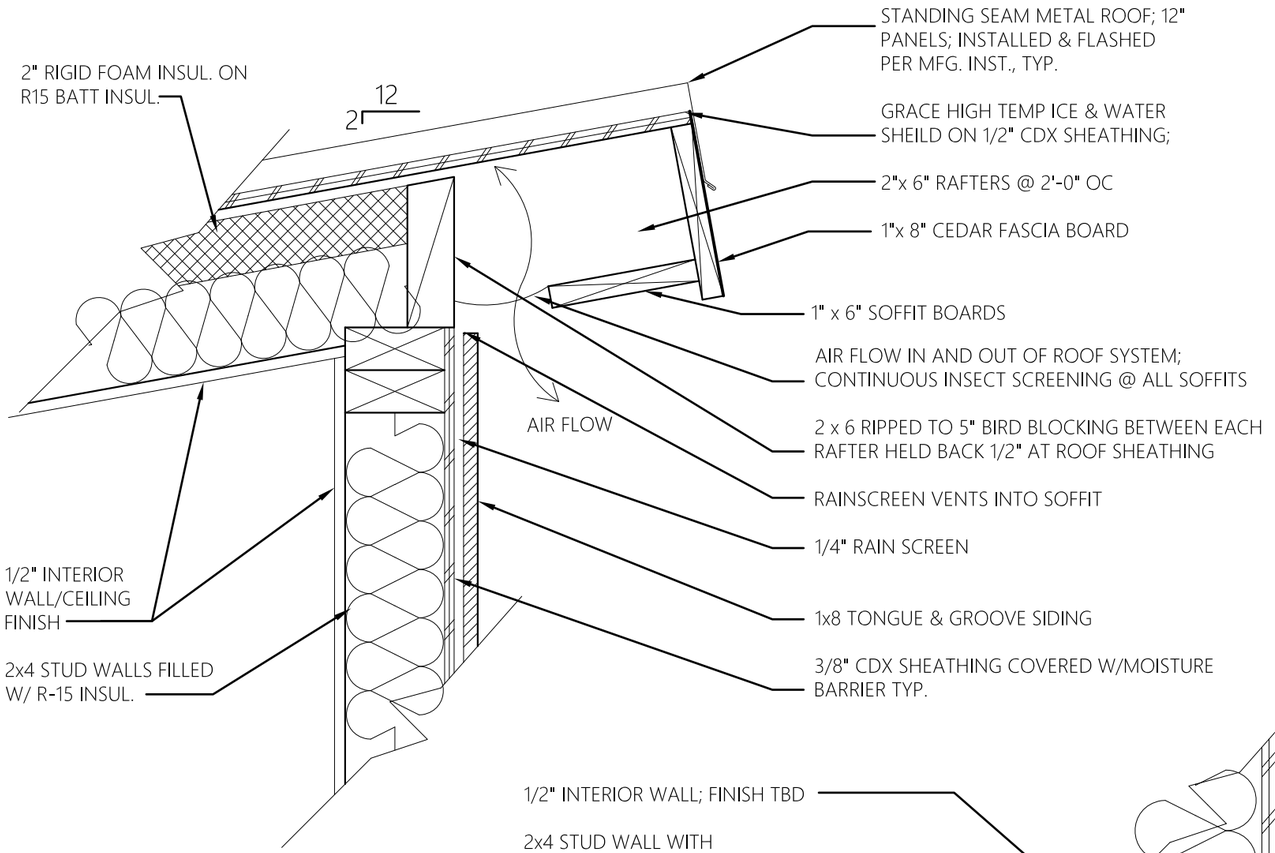
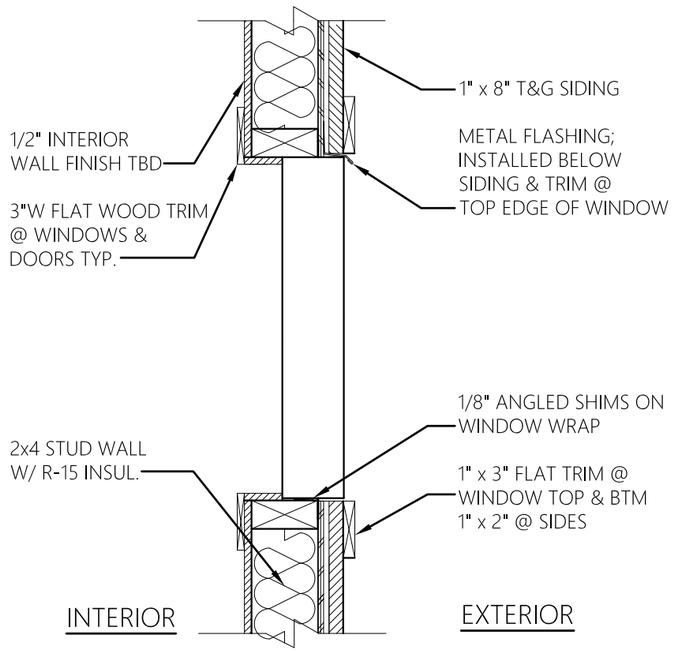
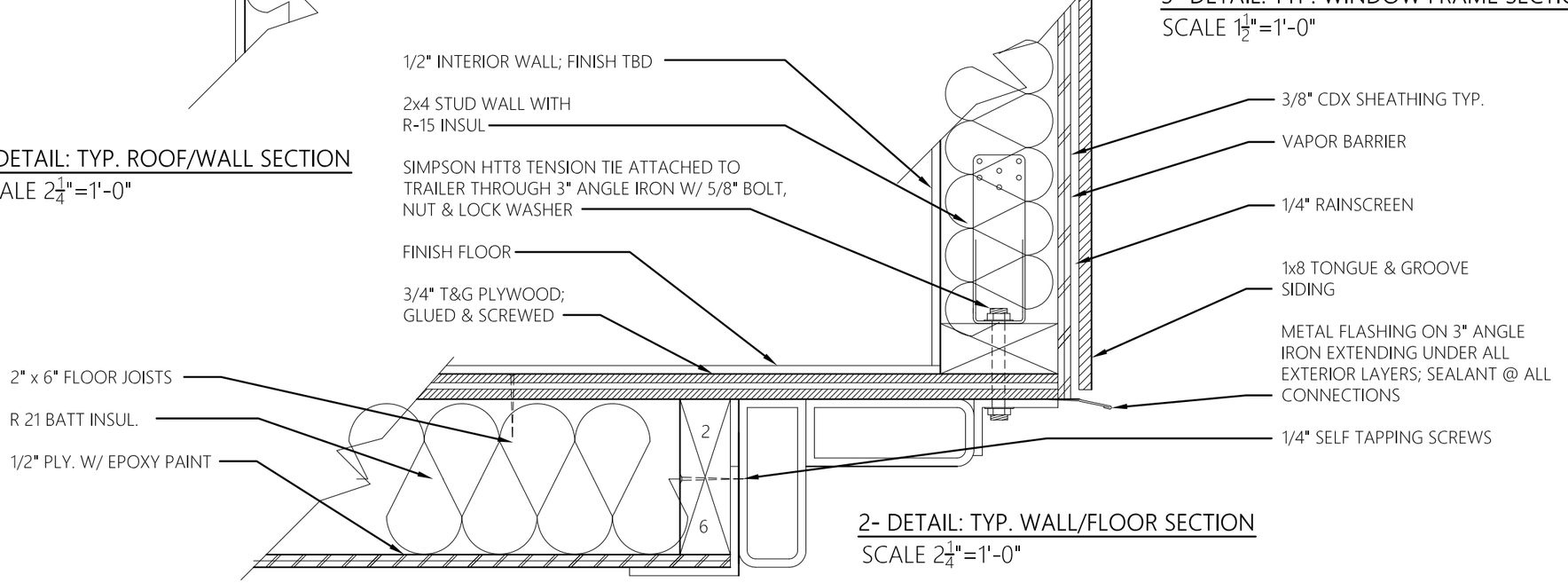


1- DETAIL: TYP. ROOF/WALL SECTION
SCALE $2\frac{1}{4}$"=1'-0"



3- DETAIL: TYP. WINDOW FRAME SECTION
SCALE $1\frac{1}{2}$"=1'-0"



2- DETAIL: TYP. WALL/FLOOR SECTION
SCALE $2\frac{1}{4}$"=1'-0"

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"THE CIDER BOX 24"

DRAWINGS:

DETAILS:
1- TYP. ROOF/WALL SECT.
2- TYP. WALL/FLOOR SECT.
3- TYP. WINDOW SECT.

A5.1

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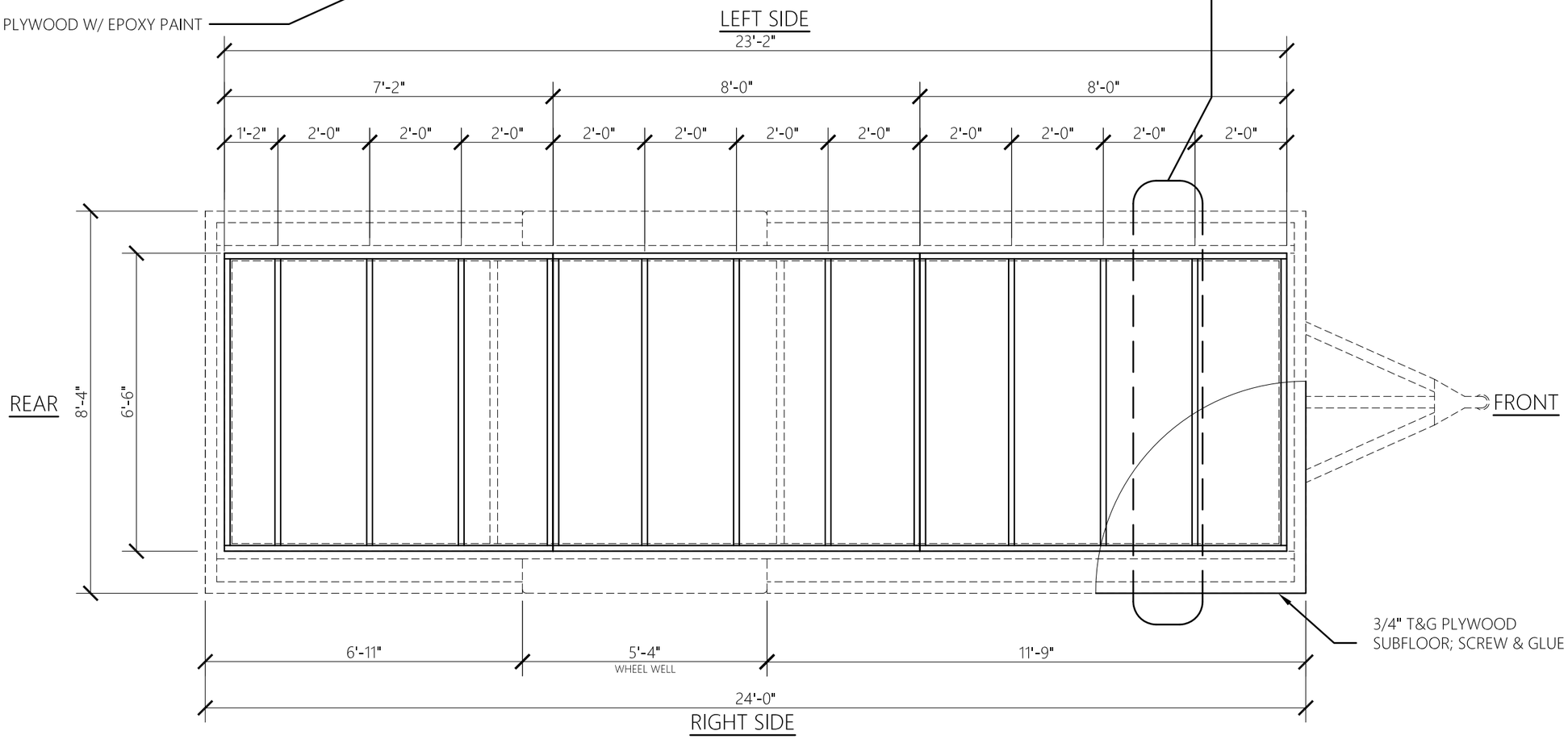
DETAIL: FLOOR FRAMING CROSS-SECTION

SCALE 3/8"=1'-0"



FLOOR FRAMING PLAN

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

FLOOR FRAMING PLAN & DETAIL: CROSS-SECTION

S2.1

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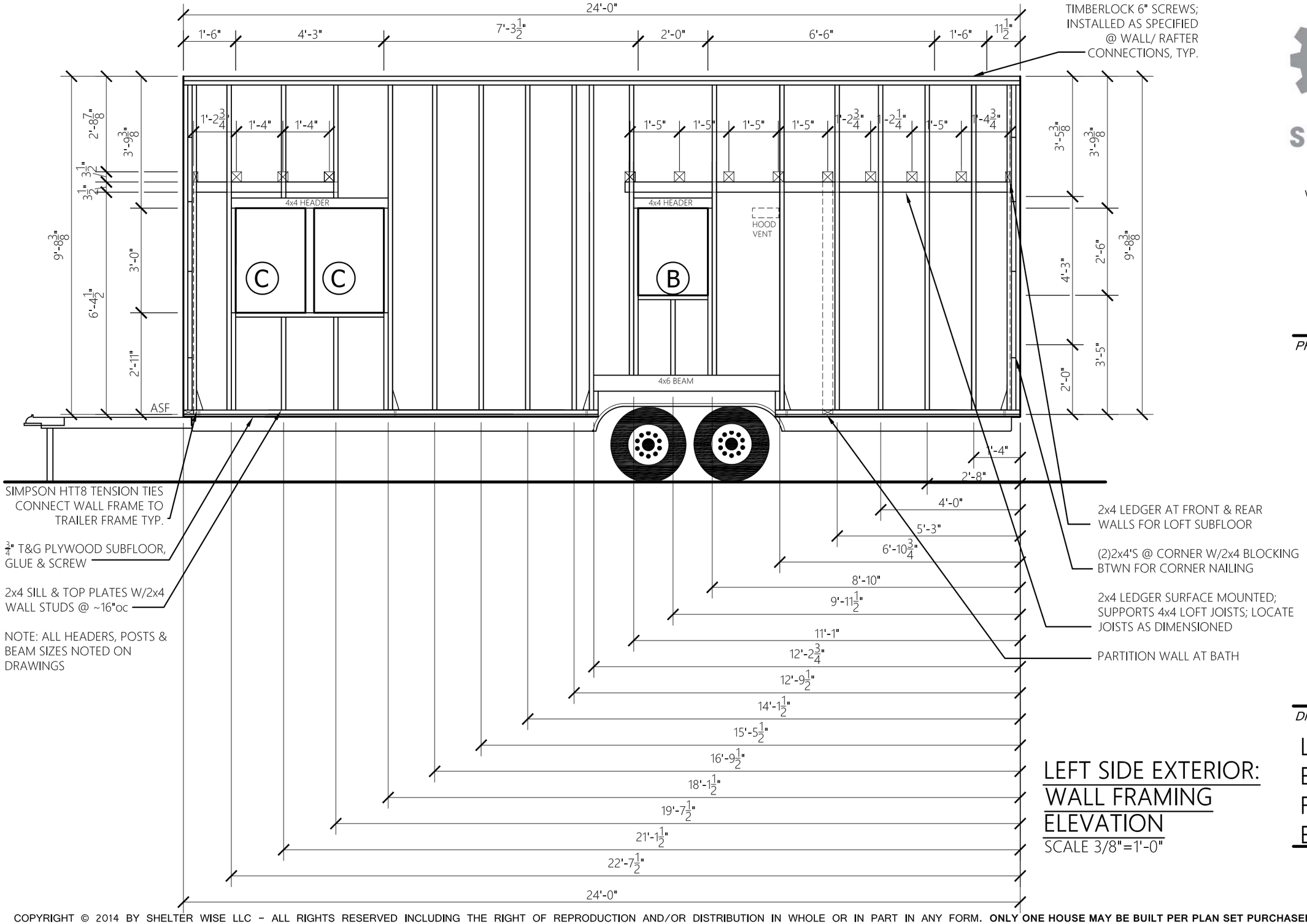

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PROJECT:

"THE CIDER BOX 24"

LEFT SIDE EXTERIOR: WALL FRAMING ELEVATION

SCALE 3/8"=1'-0"

DRAWINGS:

LEFT SIDE EXTERIOR: FRAMING ELEVATION

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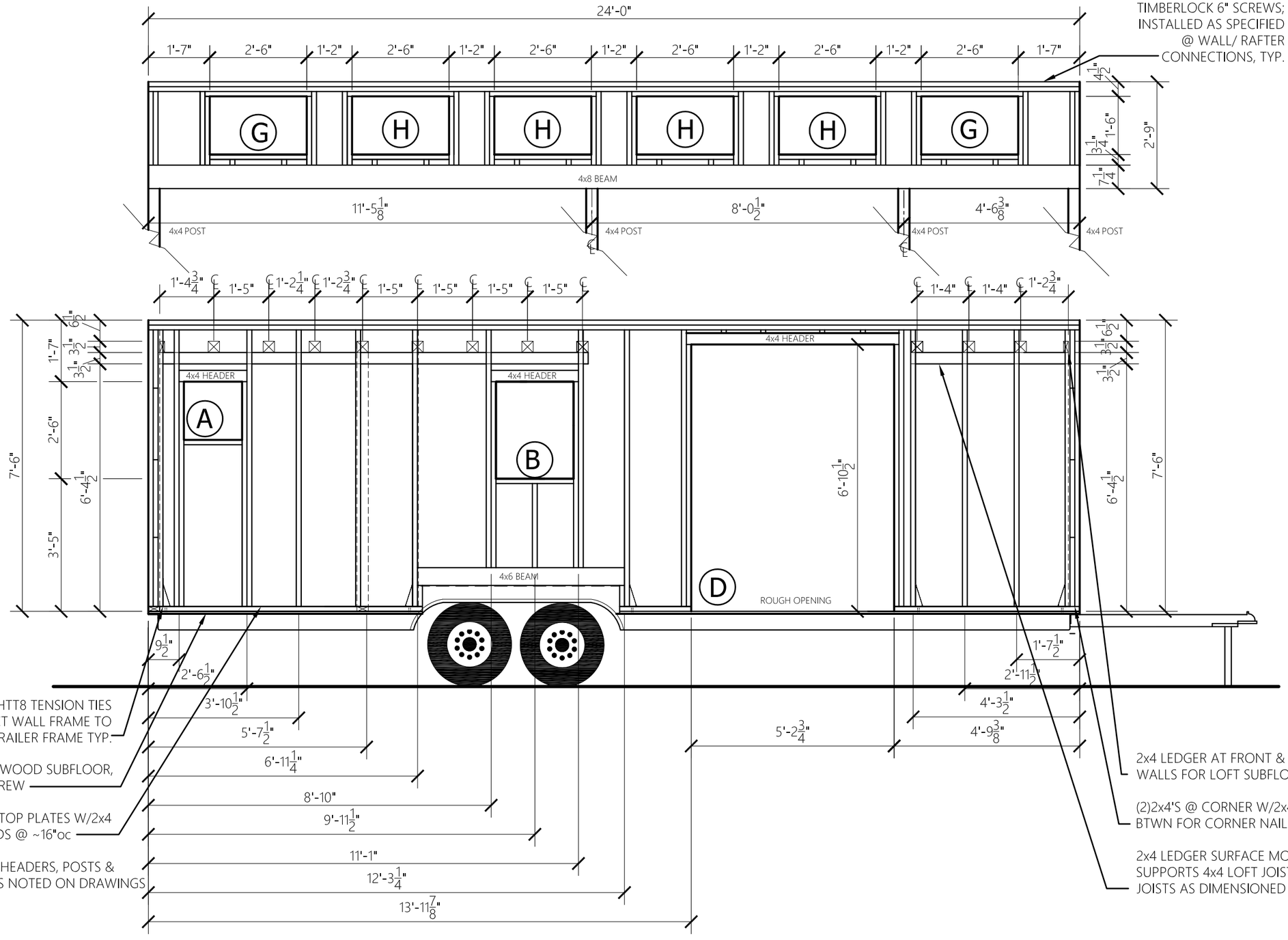

RIGHT SIDE EXTERIOR: WALL FRAMING ELEVATION

SCALE 3/8"=1'-0"

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"THE CIDER BOX 24"

DRAWINGS:

RIGHT SIDE EXTERIOR: WALL FRAMING ELEVATION

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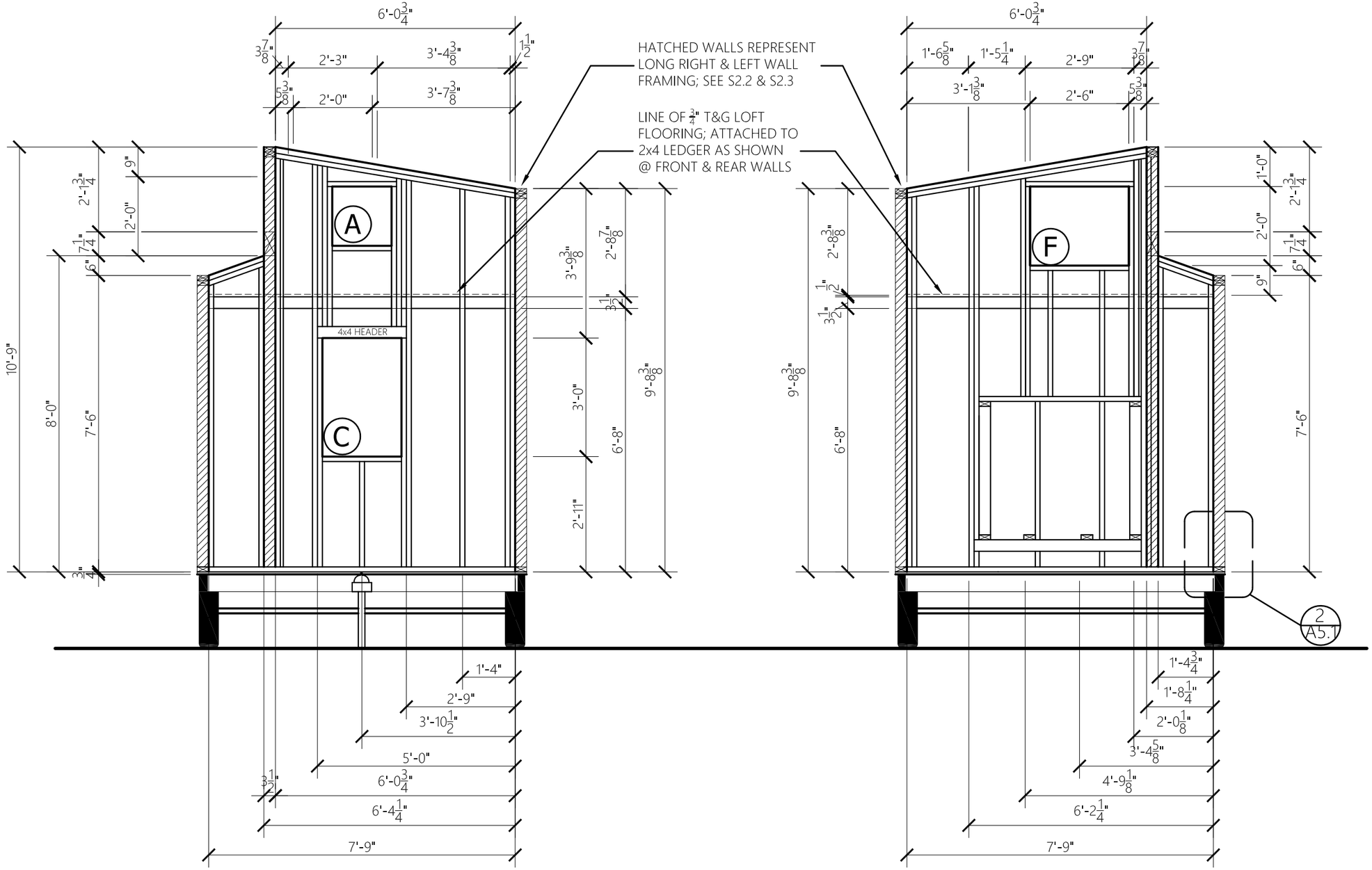

FRONT EXTERIOR: WALL FRAMING ELEVATION

SCALE 3/8"=1'-0"

REAR EXTERIOR: WALL FRAMING ELEVATION

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

FRONT & REAR EXTERIOR: WALL FRAMING ELEVATIONS

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4'-0"x10'-0"x7/16" OSB SHEATHING INDICATED BY THESE DIMS; 2"x3" NAILERS BELOW INSTALL FLUSH W/TOP OF RAFTERS

HATCHED AREA IS ROOF OVERHANG

POTENTIAL LOCATION OF VENT STACK

LEFT SIDE

25'-2 1/4"

2'-7 1/8" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-0" | 2'-7 1/8"

7/8" | 1'-11 1/4" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 1'-11 1/4" | 7/8"

REAR

8'-3 1/4" | 10" | 2'-2 7/16" | 2'-2 7/16" | 2'-2 7/16" | 1"

26'-6 1/8" HYP.

26'-6 1/8" HYP.

J

J

OPTIONAL SKYLIGHT LOCATION

4'-5 1/8"

FRONT

4'-5 1/8"

FINISHED WALLS BELOW

THIS ROOF 2/12 PITCH

OPTIONAL SKYLIGHT LOCATION

7'-7 1/8" | 10'-0" | 7'-7 1/8"

UPPER SHED ROOF PLAN

SCALE 3/8"=1'-0"

1 / A5.1

7/8" | 4'-7 1/8" SHEATHING | 8'-0" SHEATHING | 8'-0" SHEATHING | 4'-7 1/8" SHEATHING | 7/8"

RETURN CONNECTION OF ROOF TO FRONT & REAR WALLS

CONNECTION TO BEAM

6 1/4"

3'-1 1/2" | 2'-7 1/4" | 1'-8 1/2" | 10"

THIS ROOF 4/12 PITCH

FINISHED WALL BELOW

7/8" | 1'-11 1/4" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 1'-11 1/4" | 7/8"

25'-2 1/4"

RIGHT SIDE

LOWER SHED ROOF PLAN

SCALE 3/8"=1'-0"

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PROJECT:

"THE CIDER BOX 24"

DRAWINGS:

UPPER & LOWER ROOF PLANS

S2.5

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24’ Cider Box Suggested Materials List For Framing and Siding

This suggested materials list only covers the framing package and siding package. This list does not take material waste into account. It’s typical to account for waste by adding 10-15% to all materials – the more experienced you are with construction, the less waste you will typically need to account for. Please plan to add a percentage to your budget for each material in a way that corresponds with your construction confidence and experience.

This is only a suggested list, and product availability may differ depending on your location. You as the builder take full responsibility for ordering the necessary amounts of your own materials, using the correct fasteners, ordering the right construction adhesive, and overall building your tiny house right.
Shelter Wise, LLC and Portland Alternative Dwellings, LLC are not responsible for product availability differences, waste allowances, and the products you eventually select and purchase.

Floor Box (for a 24’ Iron Eagle Trailer)

9 ea ¾” T & G Subfloor
5 ea ½” CDX Plywood
21 ea 2x6x8’ #2 & Better (Btr) Kiln Dried (KD)
1 box 3 5/8” LedgerLocs
6 ea 28oz Subfloor Adhesive
150 sqft of 5.5” thick insulation
200 ea 2” deck screws

Wall Framing

10 ea 2x4x20’ #2 & Btr KD
12 ea 2x4x12’ #2 & Btr KD
34 ea 2x4x10’ #2 & Btr KD
62 ea 2x4x8’ #2 & Btr KD
1 ea Glu-Lam 3 1/2x7 ½- 24’ (4x8x24)
8 ea 4x4x8’ #2 & Btr KD
2 ea 4x6x8’ #2 & Btr KD
22 ea 3/8” CDX Plywood
12 ea 28 oz Construction Adhesive (assuming a ¼” bead and each 28oz is 86 linear feet)
14 ea HTT5 Simpson Tension ties
14 ea 5/8”x5” hex bolt
14 ea 5/8” lock washer
14 ea 5/8” nut

1 case of 8d 2 5/8” Ring shank nails for sheathing
1 case of 3 ¼” 16d Framing nails

Roof Framing

20 ea 2x6x8’ #2 & Btr KD
15 ea 2x6x10’ #2 & Btr KD
10 ea 7/16” OSB Plywood (Can use ½” CDX as well)
6 ea 28 oz Construction adhesive
2 ea rolls of Ice and Water Barrier (282- sqft of coverage)
35 ea 7/16” plywood sheathing clips
1 box of TimberLok Screws (50 per box) or equivalent rafter tie down

Loft Framing

2 ea 2x4x10’ #1 & Btr KD
4 ea 2x4x8’ #1 & Btr KD
9 ea 4x4x8’ #1 & Btr KD
1 box 3 5/8” LedgerLocs
1 box of TimberLok Screws (50 per box)

Siding/Exterior Trim (We highly recommend staining or painting before installing)

1100 linear feet (lnft) 1”x 8” Tight Knot (TK) KD Tongue and Groove Cedar Siding
152 lnft 2x3 TK Cedar KD (Corner and window/door trim)
110 lnft 2x4 TK Cedar KD (corner trim)
110 lnft 1x8 TK Cedar KD (Fascia)
110 lnft 1x6 TK Cedar KD (Eave/soffit material)
2 ea Cedar Lite blocks
2 ea Cedar Vent blocks
1 ea Cedar Kitchen Hood vent block

Installation Information for siding can be found here:

Bevel siding installation: http://www.realcedar.com/siding/installation/bevel/

Wall Prep: http://www.realcedar.com/siding/preparation/

Finishing: http://www.realcedar.com/siding/finishing/