

# PROPOSED TINY HOME

FOR  
NUTANA COLLEGIATE



## DRAWING LIST

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- F2.0 TRAILER FRAMING
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## GENERAL NOTES:

1. ALL CONSTRUCTION TO COMPLY WITH NATIONAL BUILDING CODE REGULATIONS, RULES, AND BY-LAWS SET BY THE AUTHORITY HAVING JURISDICTION.
2. PROVIDE AND MAINTAIN CONTINUOUS AIR/VAPOUR BARRIER SYSTEM, CAULK AROUND OPENINGS AND GAPS WITH SEALANT TO ACHIEVE A CONTINUOUS BARRIER.
3. VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO FABRICATION, PROMPTLY NOTIFY THE DESIGNER OF ANY ERRORS OR OMISSIONS.
4. DIMENSIONS ARE TAKEN TO OUTSIDE EDGE OF SHEATHING ON EXTERIOR WALLS AND FOUNDATION, AND TO CENTRE OF INTERIOR PARTITION.
5. THE GENERAL CONTRACTOR IS TO ARRANGE AND COORDINATE ALL INCOMING AND OUTGOING ELECTRICAL AND MECHANICAL SERVICES FOR THIS PROJECT.
6. THE GENERAL CONTRACTOR IS TO COORDINATE ALL ACTIVITIES AS REQUIRED TO ENSURE EFFICIENT, CORRECT AND ORDERLY INSTALLATION OF EACH PART OF THE PROJECT AND TO AVOID CONFLICT IN THE TRADE WORK AND SCHEDULE.
7. SHOP DRAWINGS DETAILING ENGINEERED FLOOR, BEAM/LINTELS, AND TRUSSES ARE REQUIRED TO BE SUBMITTED ON SITE FOR THE FRAMING INSPECTION.
8. ALL DOORS AND WINDOWS REFERENCED ON PLANS AND SCHEDULES ARE SHOWN NOMINAL SIZE. CONFIRM AND VERIFY ALL ROUGH OPENING SIZE REQUIREMENTS WITH THE SELECTED PRODUCT MANUFACTURER AND SITE CONDITIONS PRIOR TO FABRICATION.
9. PROVIDE AND INSTALL SOLID BLOCKING AND BACKING WITHIN THE WALLS FOR ALL WASHROOM ACCESSORIES, HANDRAILS, GUARDS, LADDERS, MECHANICAL AND ELECTRICAL FIXTURES AND EQUIPMENT, ETC. AS REQUIRED FOR PROPER ANCHORING.
10. ALL CONSTRUCTION TO COMPLY WITH INDUSTRY TRADE STANDARDS, AS WELL AS MANUFACTURERS' RECOMMENDATIONS, TO THE EXTENT THAT THOSE INSTRUCTIONS AND RECOMMENDATIONS ARE EXPLICIT OR STRINGENT AS THE REQUIREMENTS CONTAINED IN THESE CONTRACT DOCUMENTS.
11. CONFIRM ALL ROUGH OPENING SIZES AND CONNECTION REQUIREMENTS FOR MECHANICAL, ELECTRICAL, AND OWNER SUPPLIED EQUIPMENT. ADJUST ROUGH OPENING SIZES TO SUIT.
12. INSTALL OWNER SUPPLIED EQUIPMENT AS DIRECTED, CENTERED, LEVEL AND TRUE.
13. PROVIDE ALL WARRANTIES, BONDS, AND MANUFACTURER'S OPERATING INSTRUCTION AND SERVICE MANUALS AS WELL AS PARTS LISTS AT THE COMPLETION OF THE PROJECT.

## CONSTRUCTION NOTES:

1. WALL AND ROOF SHEATHING MUST BE EDGE NAILED AT 6"oc AND FIELD NAILED AT 12" oc.
2. ALL LUMBER MUST BE SPF #2 OF BETTER AND INSTALLED ACCORDING TO NBC 2010.
3. THE SIZE OF ALL LINTELS MUST CONFORM TO TABLE A-12 TO A-15 OF THE NBC 2010. SPANS MORE THAN 9'-0" MUST HAVE DOUBLE JACK STUDS ON EITHER SIDE OF THE HEADER. SECURE JACK STUDS TO FULL LENGTH STUDS WITH DOUBLE NAILING 16" oc.
4. EACH BEDROOM MUST HAVE AT LEAST ONE WINDOW WHICH OPENS AND HAVE AN UNOBSTRUCTED AREA OF .35SQM. NO DIMENSIONS OF THIS OPENING CAN BE LESS THAN 15". AWNING WINDOWS DO NOT MEET EGRESS REQUIREMENTS.
5. ELECTRICALLY OPERATED SMOKE ALARMS MUST BE PROVIDED ON ALL FLOORS. ALARMS MUST BE INTERCONNECTED AND HARDWIRED, AND IN EACH BEDROOM.
6. ALL FLOOR, WALL, AND ROOF FRAMING AS PER NBC 9.23.







## WALL & PARTITION NOTES:

1. ALL INTERIOR WALLS EXTEND TO U/S OF STRUCTURE UNLESS NOTED OTHERWISE.
2. FOR STUD SPACING, LINTEL SIZES, JOIST SPACING & OTHER RELATED INFORMATION, REFER TO STRUCTURAL DRAWINGS.

## ROOF ASSEMBLIES:

1. PROVIDE PROPER METAL FLASHING AT ALL REQUIRED LOCATIONS.

## LEGEND

-  DENOTES CONSTRUCTION TYPE (SEE CONSTRUCTION TYPES A101)
-  DENOTES DOOR TYPE (SEE DOOR SCHEDULE A801)
-  DENOTES WINDOW TYPE (SEE WINDOW SCHEDULE A901)
-  DENOTES KEYNOTE (SEE KEYNOTES ON EACH PAGE)
-  REFERS TO DETAIL NUMBER
-  REFERS TO DRAWING NUMBER

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SEAL

PROJECT

NUTANA COLLEGIATE  
TINY HOUSE

CLIENT

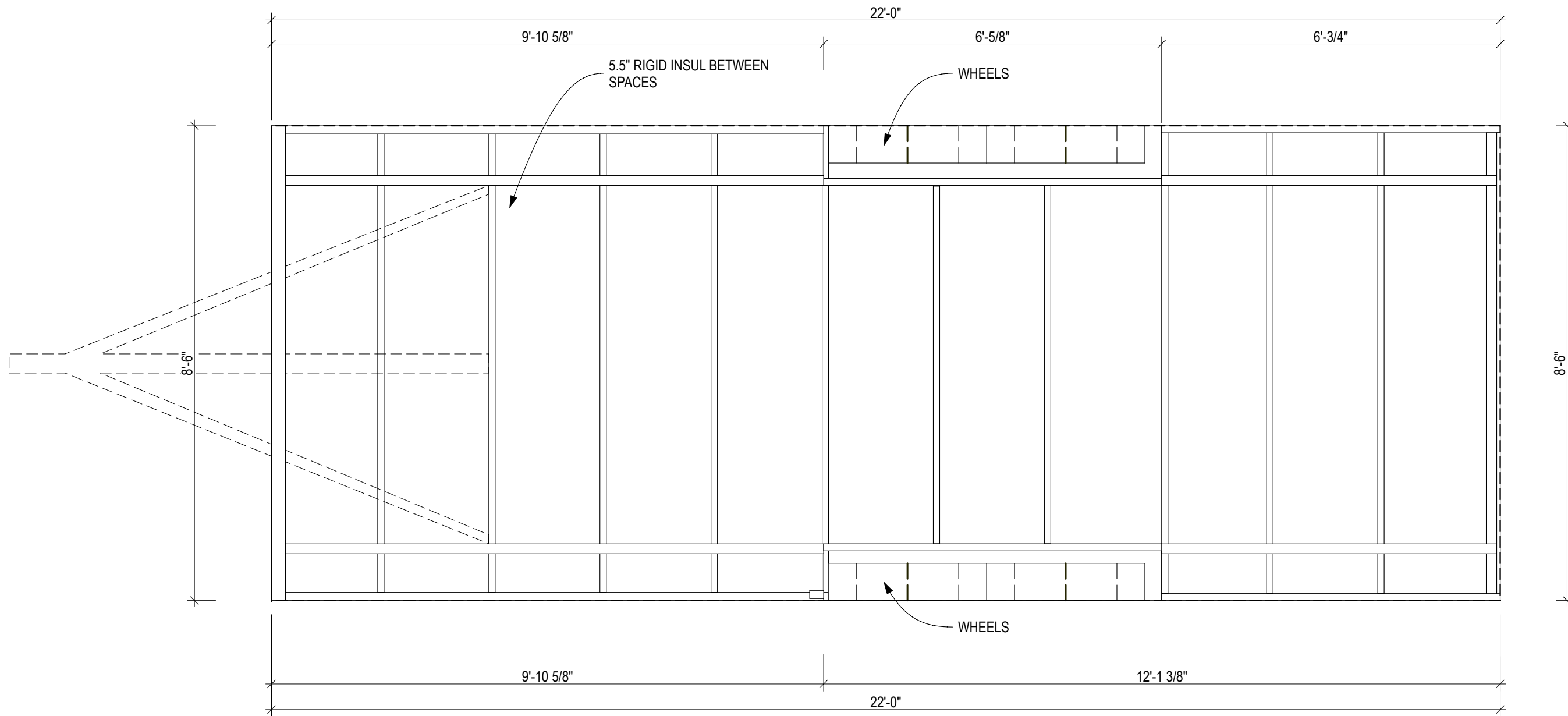
ALAN SUKUT

PROJECT NO.: 1719  
DRAWN BY: CMB  
DATE: SEPTEMBER 25, 2018  
SCALE: AS SHOWN/11x17 LAYOUT  
MODEL FILE: 1875-Nutana Collegiate-CD01.pln

SHEET TITLE

GENERAL  
INFORMATION

A0.1

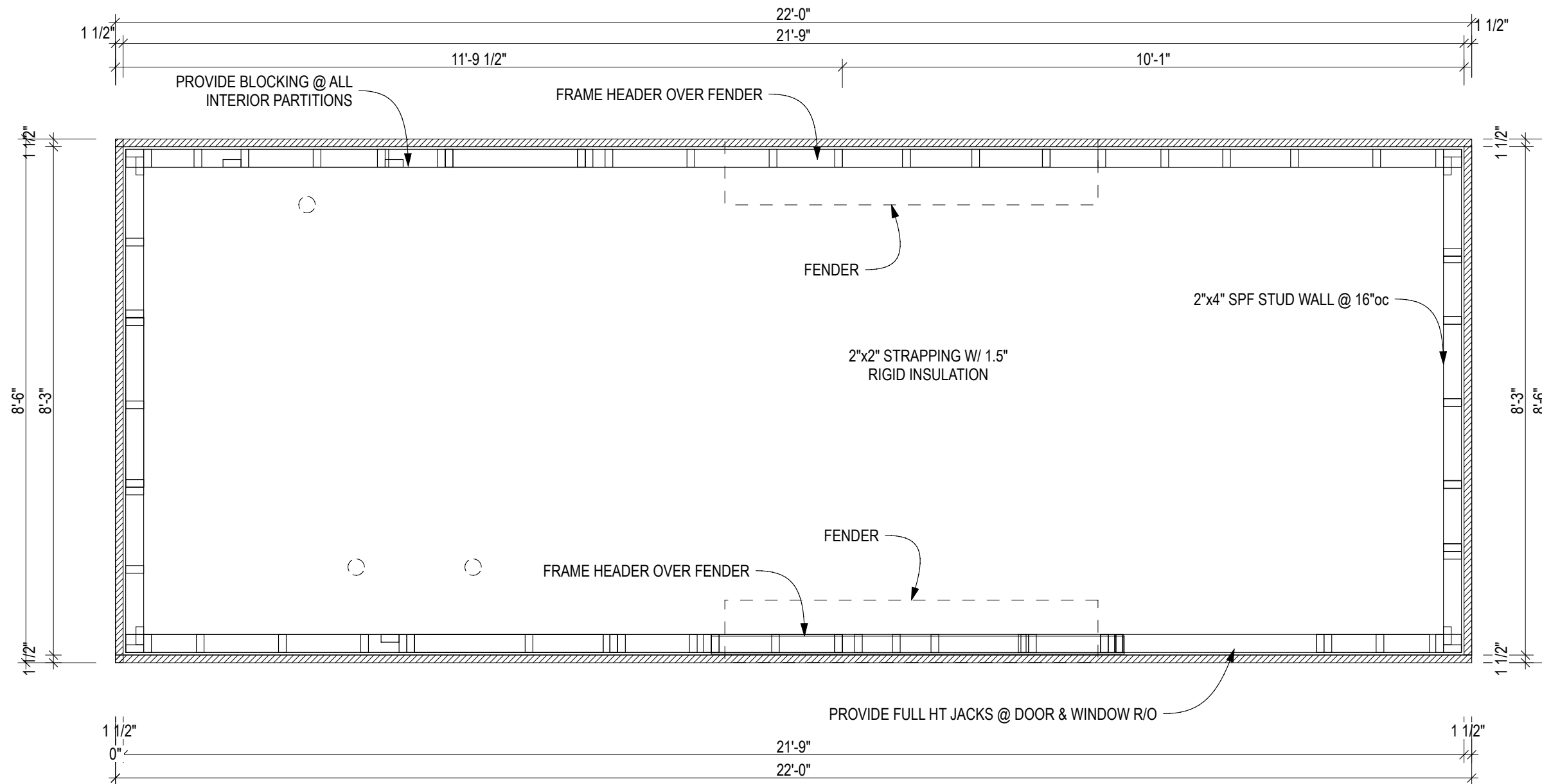


1

# TRAILER FRAMING

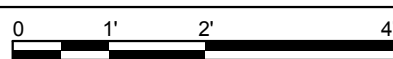
SCALE: 1/2" = 1'-0"

**TRAILER:**  
8'-6" x 22'-0" TRAILER - CONFIRM WITH SHOP DRAWINGS.  
CONFIRM HEIGHT FROM GROUND TO TOP OF DECKING. ADJUST HEIGHT OF BUILDING TO MAX OF 13'-6" FROM ROAD.



# 1 FRAMING PLAN

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



## FRAMING NOTES:

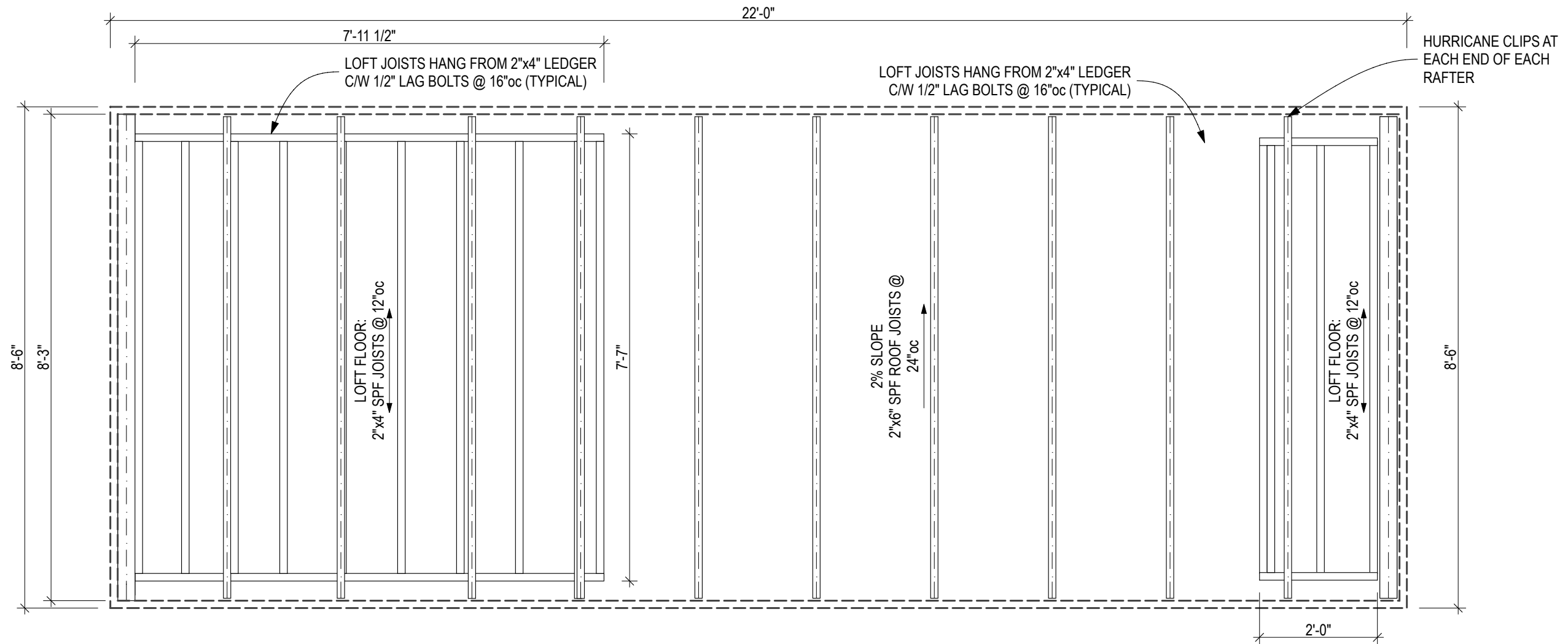
- HOUSE TO BE ANCHORED TO TRAILER SUBSTRUCTURE WITH 5/8" THREADED BOLTS AT SIDES OF TRAILER & TO TRAILER DECKING USING A23 OR A35 FRAMING ANCHORS WITH SSD SCREWS. IF THE LATTER METHOD IS USED, METAL STRAPPING SHOULD ALSO BE INSTALLED TO TIE THE HOUSE STRUCTURE DIRECTLY TO THE TRAILER SUBSTRUCTURE.
- SOLID BLOCKING REQ'D AT ALL BEARING POINTS OF FLOOR, CEILING & ROOF SYSTEMS PER IRC SEC'S R502 & R802 & IBC SEC'S 2308.8.2 & 2308.10.6.
- LUMBER SHALL BE PROTECTED AGAINST ROT & DECAY. (TYP, P.T. OR CEDAR)
- FOR ALL PRESSURE PRESERVATIVE & FIRE-RETARDANT TREATED WOOD USE TREATMENT RATED CONNECTORS & HOT-DIPPED GALVANIZED, STAINLESS STEEL, SILICON BRONZE OR COPPER FASTENERS PER IRC SEC R317.
- REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR FASTENERS & CONNECTORS.
- LATERAL LOADS ON WALLS: EXTERIOR WALLS MUST HAVE ONE SECTION W/ A MIN 1/2" 4X8 SHEET OF UNBROKEN PLYWOOD, W/ 8D NAILS SPACED 3'c @ WDGES, 12"oc IN THE FIELD. 2-HUD2'S @ EACH 8' SIDE OF TINY HOUSE CONNECTED TO TRAILER FRAMING. USE SHEAR WALL RATED ADHESIVE AT ALL CONNECTIONS.

## ASSEMBLIES:

**FLOOR SYSTEM:**  
5/8" PLYWOOD T&G  
1 1/2" RIGID INSUL  
5 1/2" RIGID INSUL IN BETWEEN JOIST SPACES  
1/2" PT PLYWOOD TO U/S TRAILER

**LOFT FLOOR:**  
2"x4" T&G PINE DECKING  
2x4 SPF #2 JOISTS @ 10"oc

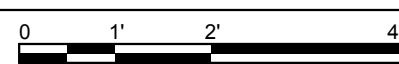
**EXTERIOR WALLS:**  
STANDING SEAM METAL SIDING  
1.5" RIGID INSULATION  
HOUSEWRAP  
7/16" OSB SHEATHING  
2x4 SPF#2 STUDS @ 16"oc  
R12 BATT INSUL  
6mil POLY AVB  
3/8" PINE OR EQUIV. G1S PLYWOOD



1

LOFT/ROOF FRAMING

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



**ASSEMBLIES:**

**ROOF:**  
STANDING SEAM METAL ROOF  
PEEL & STICK MEMBRANE  
1/2" PLYWD GLUED & SCREWED  
5.5" RIGID INSULATION  
2"x6" SPF CEILING JOISTS @ 24"oc  
3/4" PINE OR EQUIV G1S PLYWOOD

**SKYLIGHT:**  
21"x27" VELUX VENTING DECK-MOUNT SKYLIGHT  
WITH TEMPERED LOW-E3 GLASS

**FRAMING NOTES:**

1. STRONG-TIE HI HURRICANE CLIPS @ EACH FULL BEARING RAFTER.
2. MIN 1/2" ROOF SHEATHING.
3. ROOF TOTAL WIDTH NEEDS TO BE 102" OR LESS @ FASCIA TO BE ROAD LEGAL.
4. STRONG-TIE RR CONNECTORS @ EACH FULL BEARING RAFTER OR COLLAR TIES SPACED NOT LESS THEN 48"oc.

SEAL

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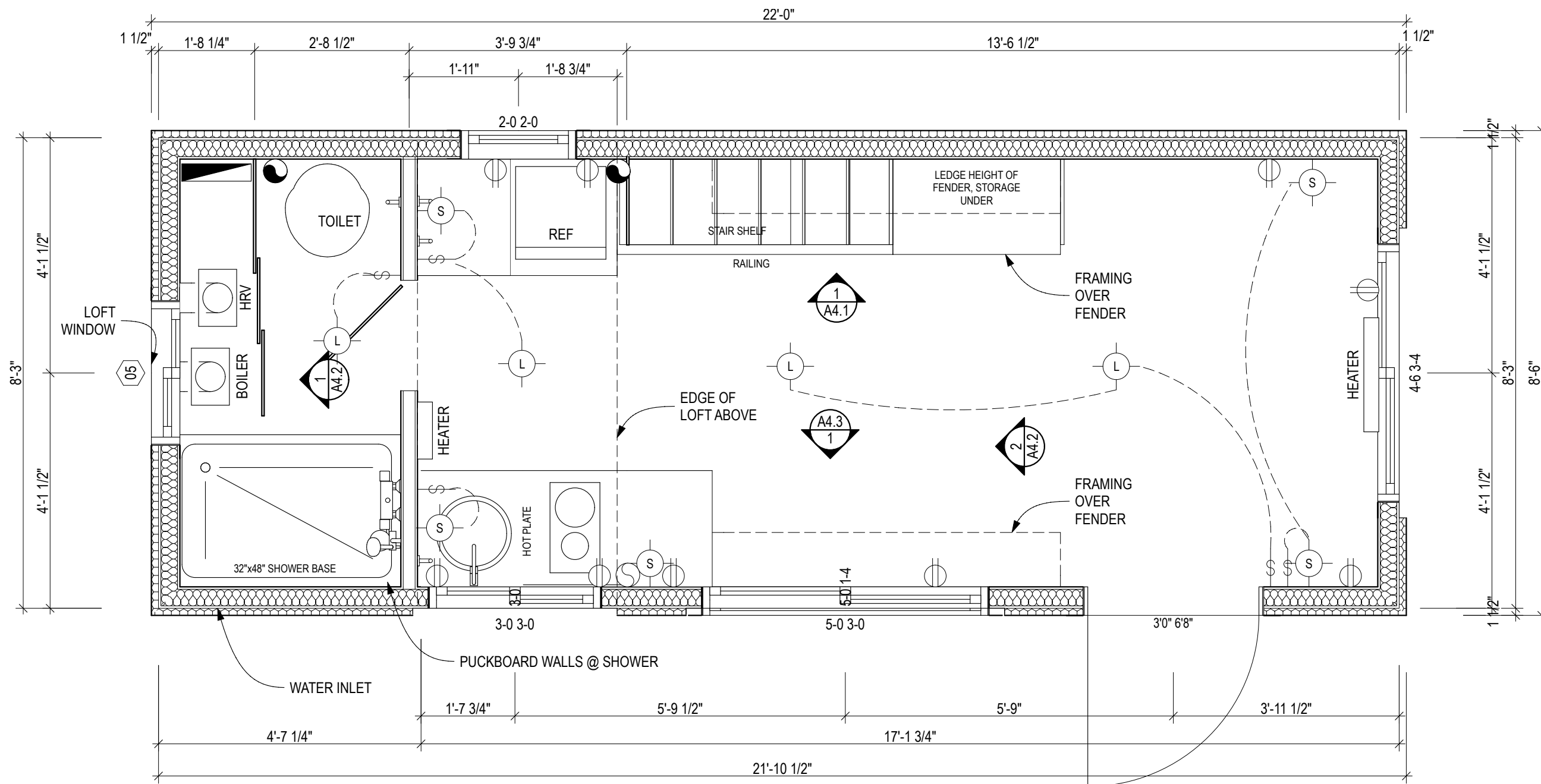
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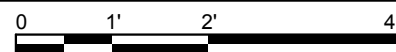
FLOOR PLAN

A2.1



# 1st FLOOR PLAN

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



**VENTILATION SYSTEM:**  
EXHAUST FAN @ KITCHEN (150 CFM) EXHAUST

**EQUIPMENT:**  
MINI-FRIDGE: DANBY 1.7L

WATER HEATER: TBD

TOILET: TBD

HEATER: ENVI HEATER, 3.95 amps, 120V, 475 Watts  
22"x19"x2"

EXHAUST FAN: AIR KING 70 CFM CEILING EXHAUST BATH FAN

ELECTRICAL: 20A PANEL

OFF GRID: 400W SOLAR PACK

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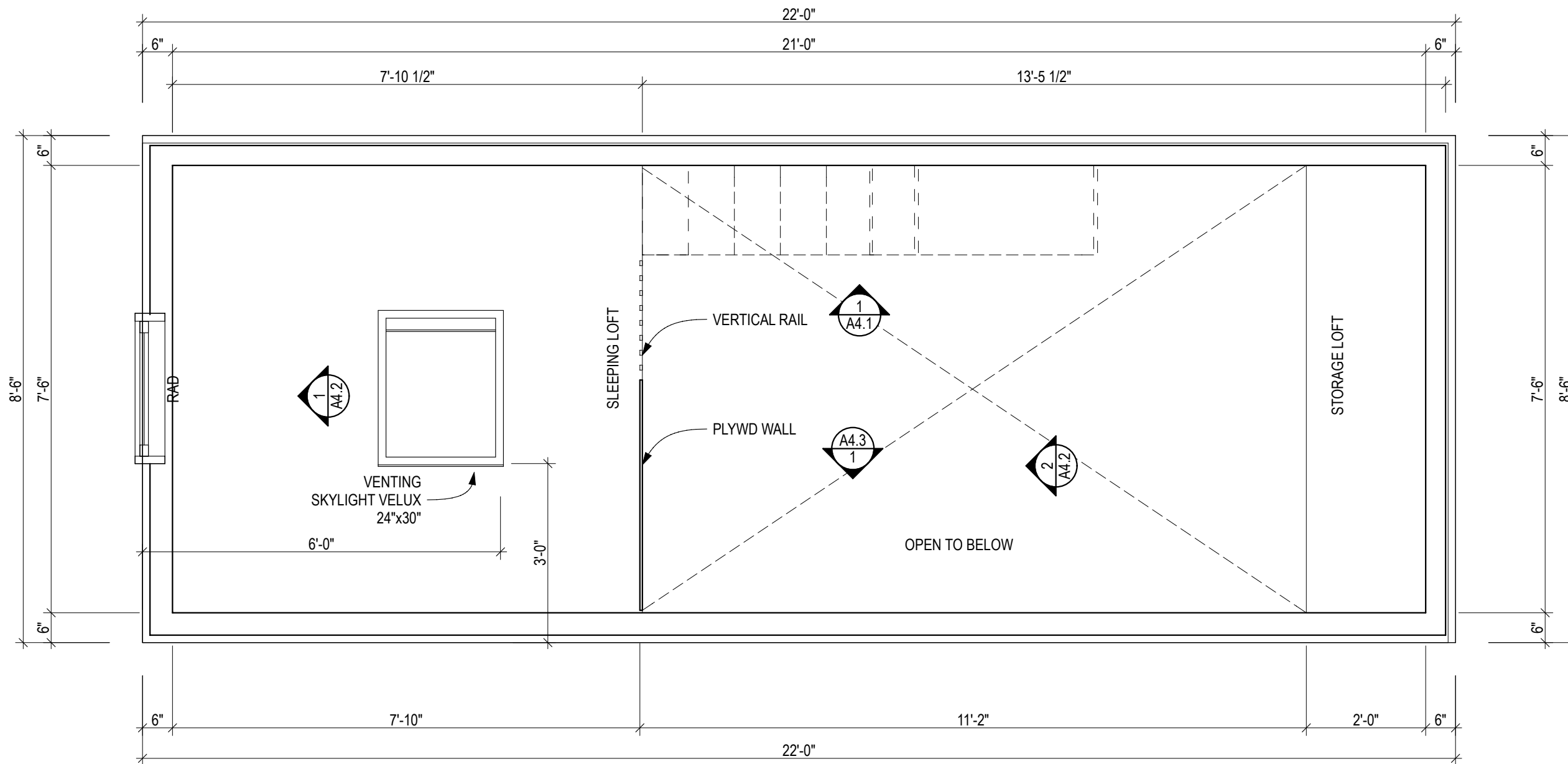
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SHEET TITLE

LOFT PLAN

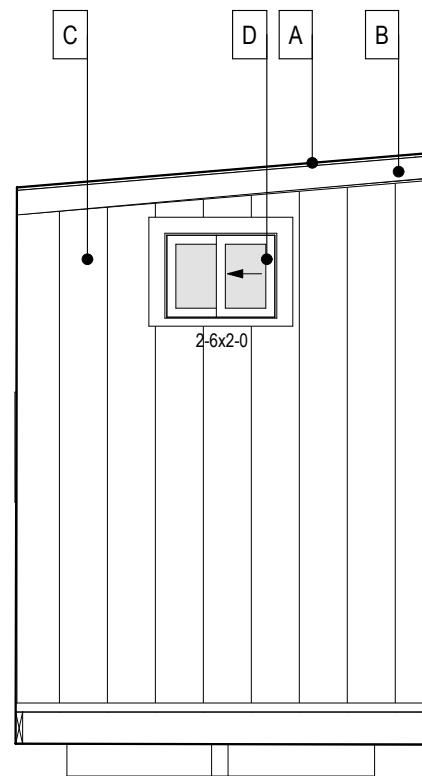
A2.2



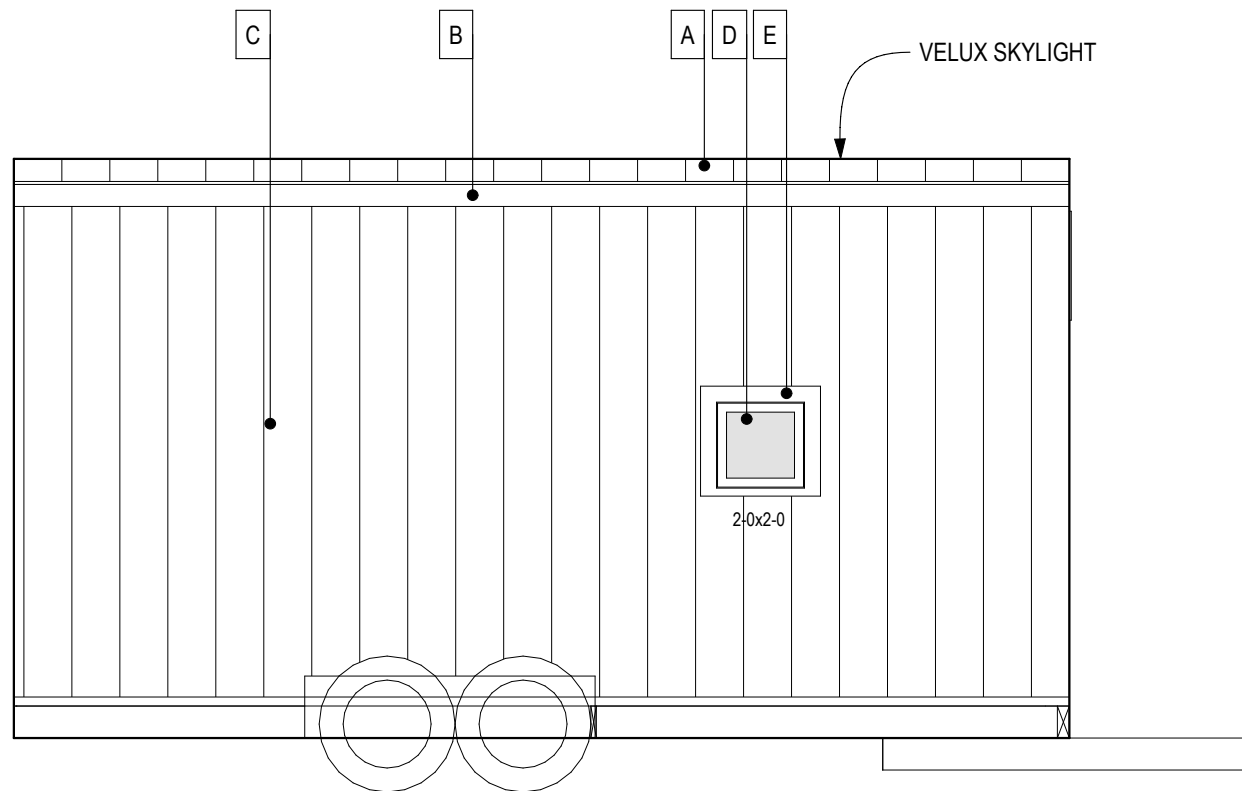
**1 LOFT**

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

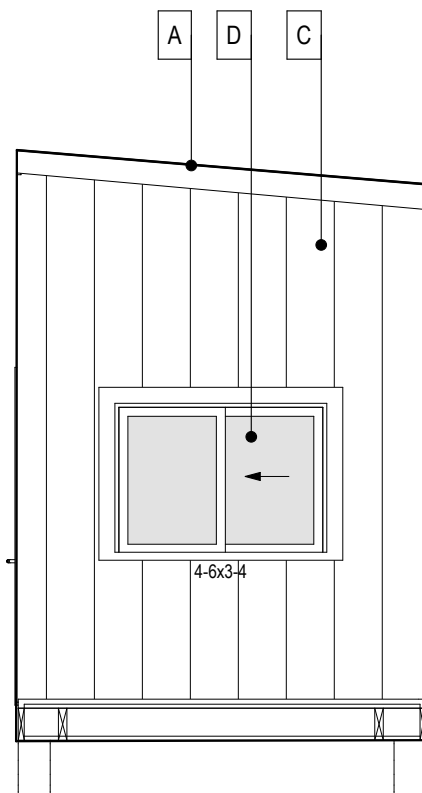




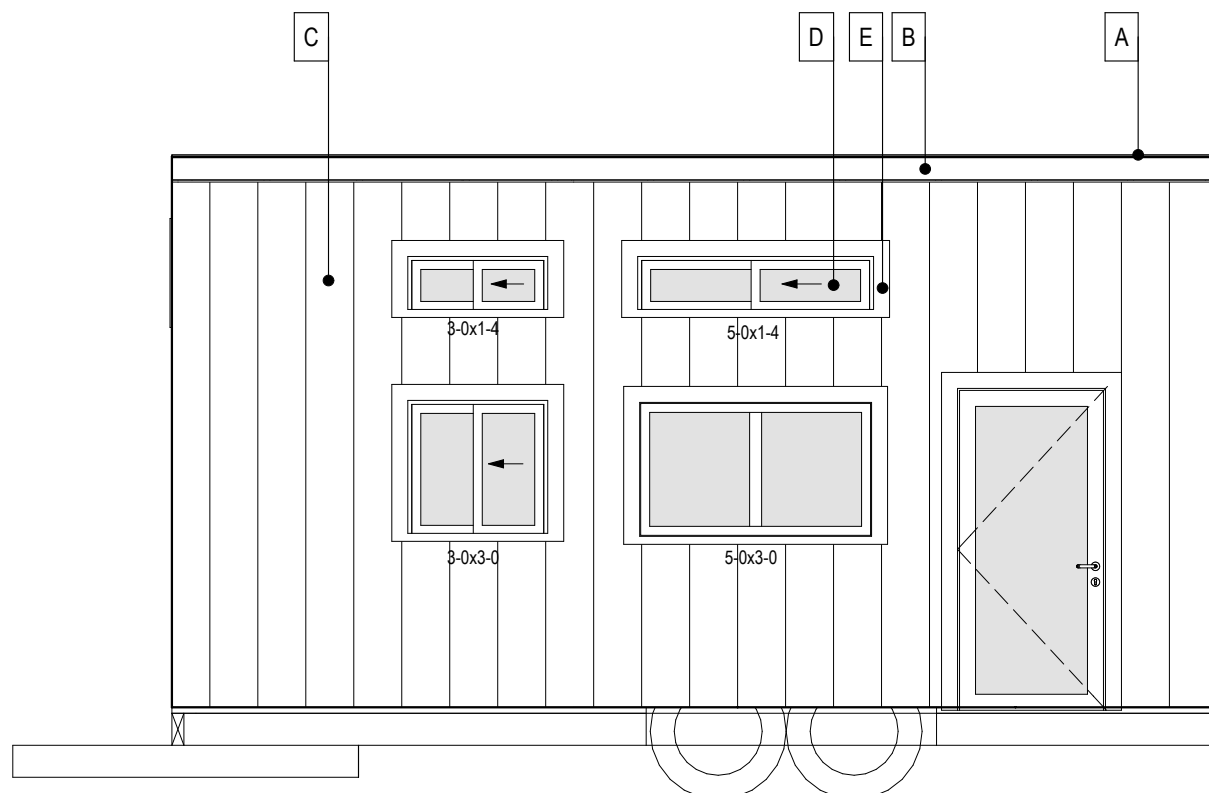
**1 WEST ELEVATION**  
SCALE: 1/4" = 1'-0"



**2 NORTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**3 EAST ELEVATION**  
SCALE: 1/4" = 1'-0"



**4 SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"

**MATERIALS LEGEND:**

A	STANDING SEAM ROOF
B	CEDAR FASCIA - STAINED
C	STANDING SEAM METAL SIDING
D	PVC WINDOWS - WHITE
E	4" STAINED CEDAR WINDOW TRIM

**METAL SIDING NOTES:**  
EAVE AND GABLE TRIM TO BE 4" MAX.  
ENSURE FRAMING MEMBERS BEHIND  
STANDING SEAM CONNECTIONS.

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SHEET TITLE

**EXTERIOR  
ELEVATIONS**

**A3.1**

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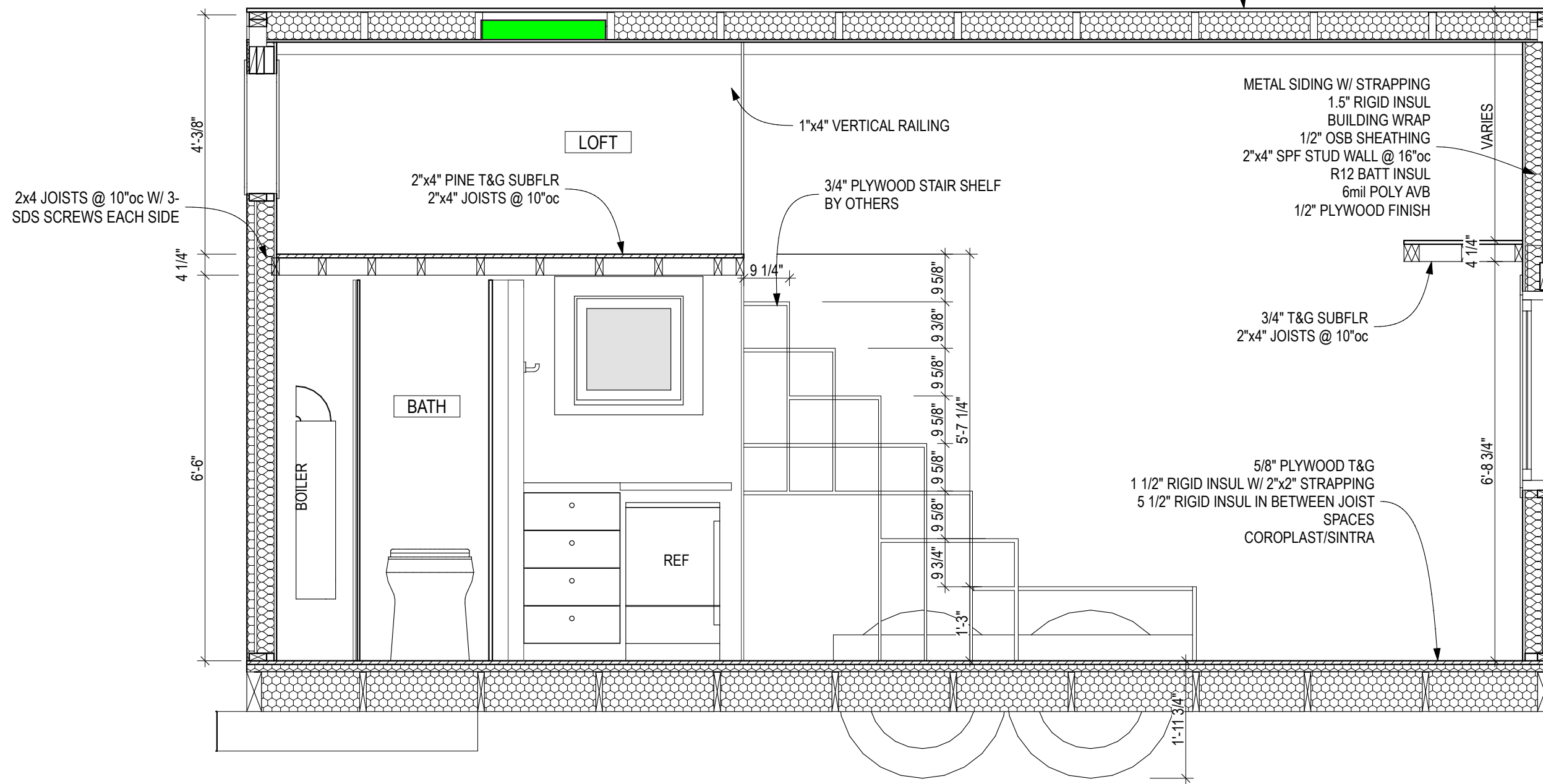
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SHEET TITLE

SECTION

A4.1

STANDING SEAM METAL ROOF  
 PEEL & STICK MEMBRANE  
 3/4" PLYWOOD T&G GLUED & SCREWED  
 2x6 RAFTERS @ 24"oc  
 5.5" RIGID INSUL EPS  
 6mil POLY AVB  
 1/2" PLYWOOD FINISH



**1** LONG SECTION  
 SCALE: 1/2" = 1'-0"



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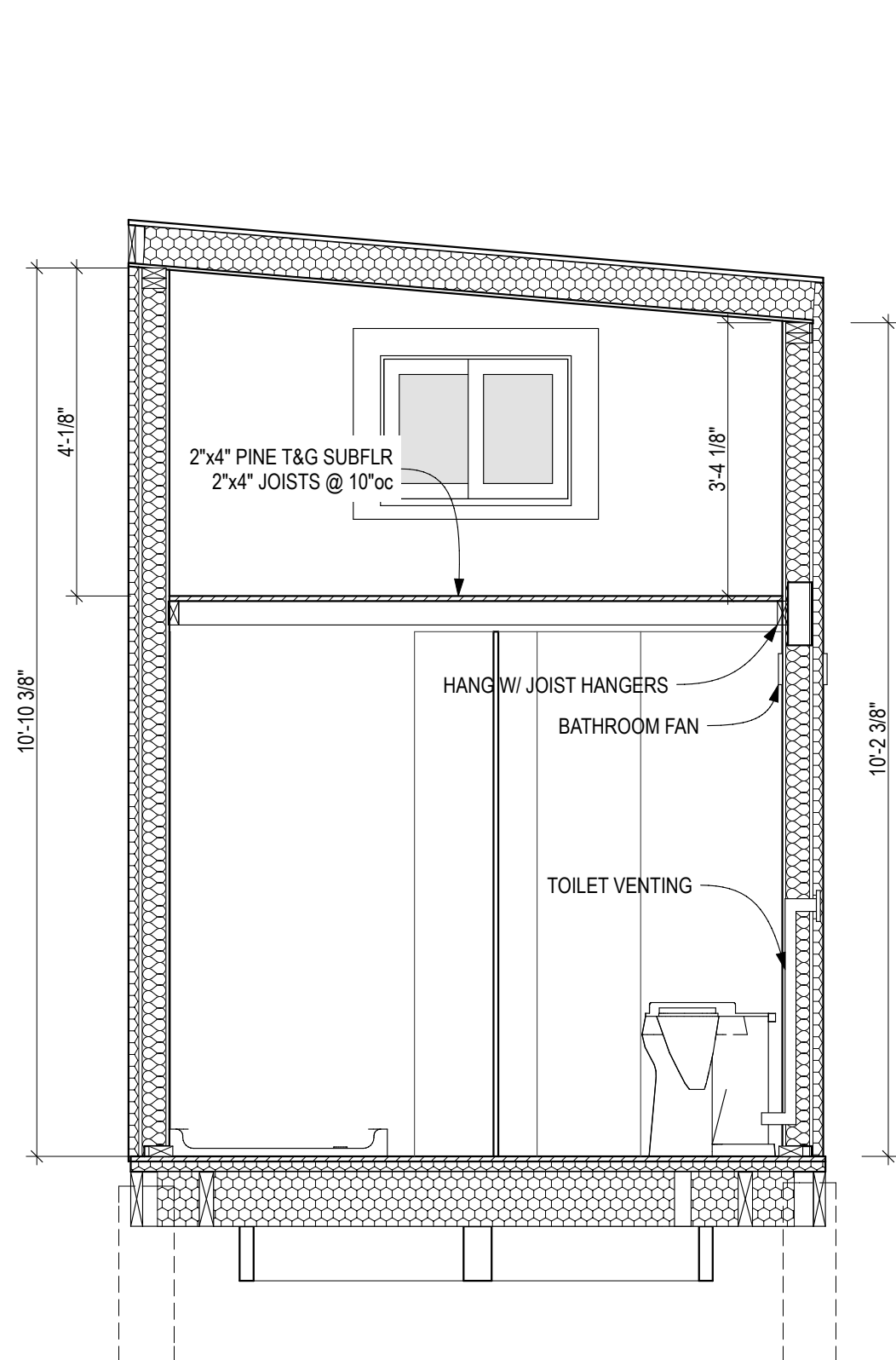
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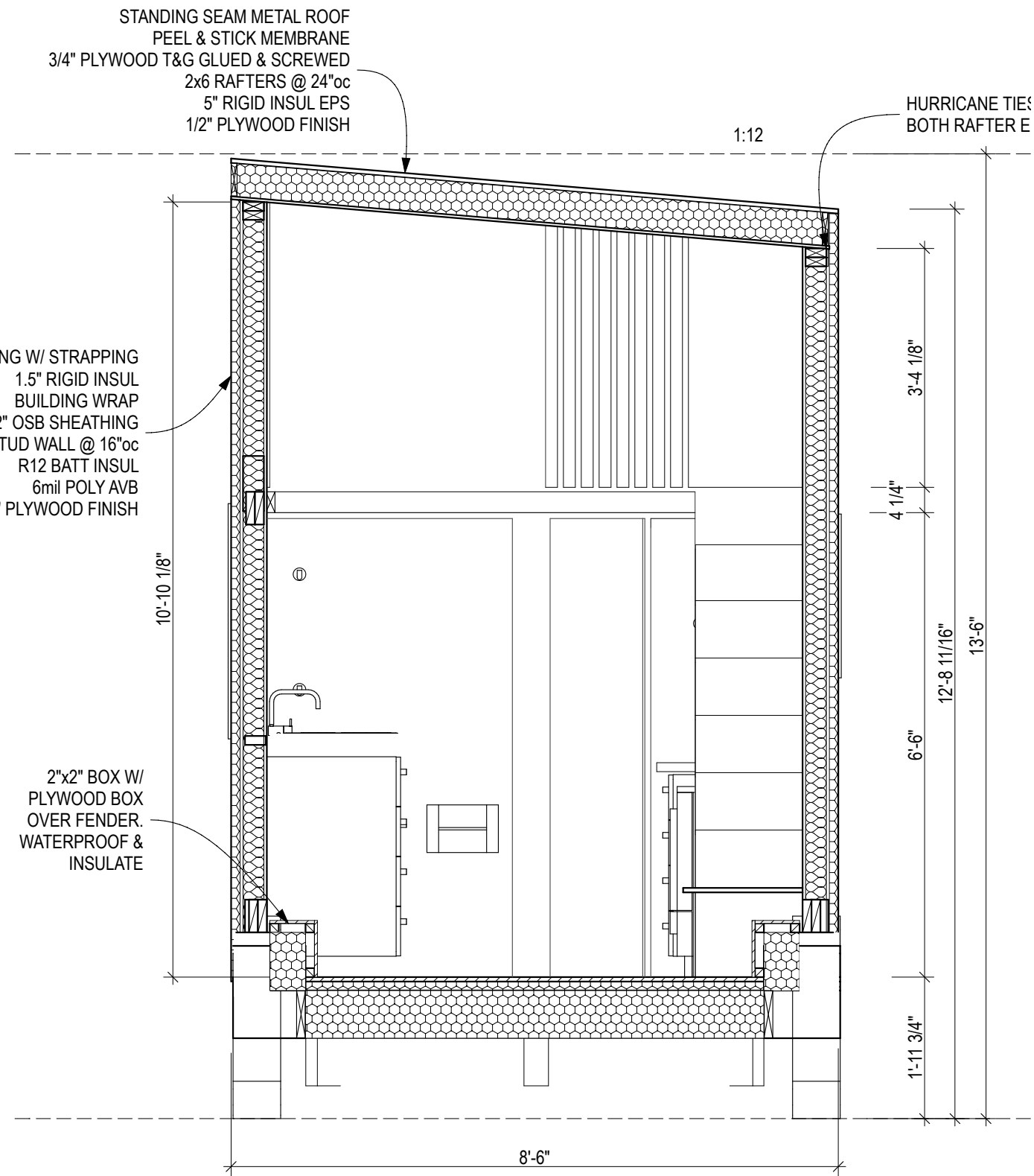
SHEET TITLE

SECTION

A4.2



1 SECTION  
 SCALE: 1/2" = 1'-0"



2 SECTION  
 SCALE: 1/2" = 1'-0"

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CLIENT

ALAN SUKUT

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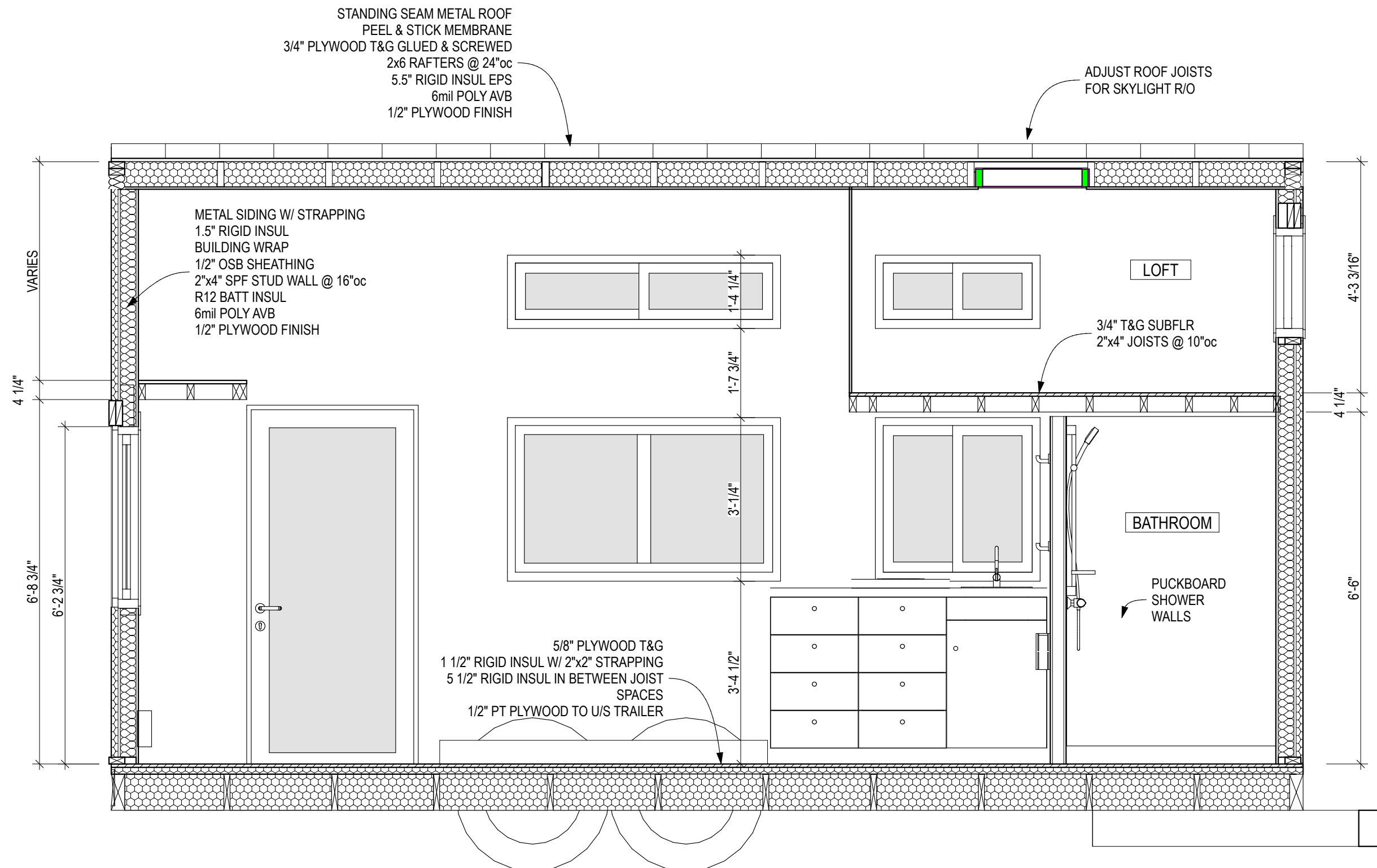
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SHEET TITLE

SECTION

A4.3



**1** LONG SECTION  
 SCALE: 1/2" = 1'-0"