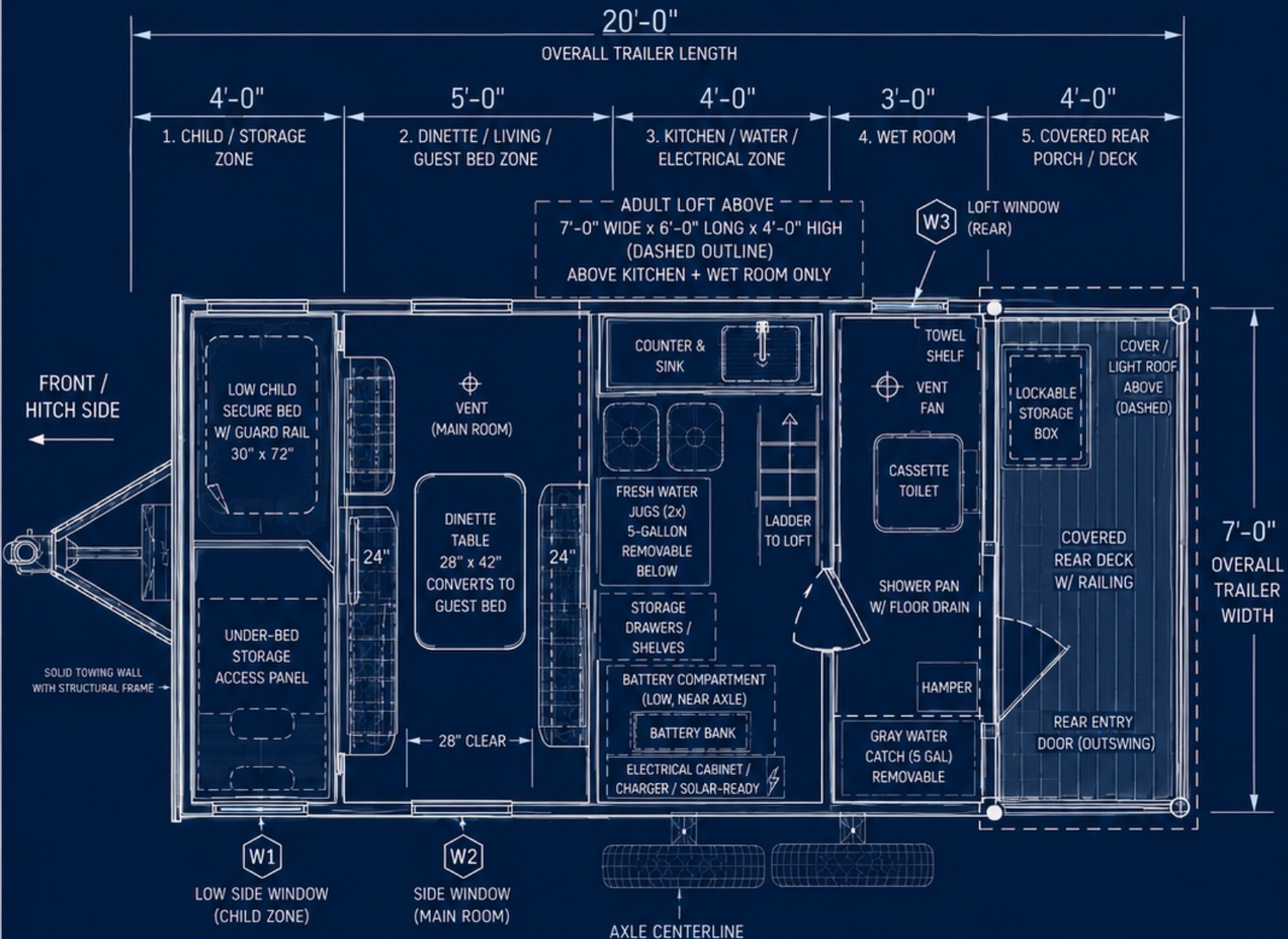




KEY NOTES – LIGHTWEIGHT BUILD STRATEGY

- WALLS ARE LIGHTWEIGHT 2x2 OR 2x3 FRAMING (TYP.) WITH TARGETED REINFORCEMENT ONLY AT LOFT-BEARING POINTS, DOOR OPENINGS, AND WINDOW OPENINGS.
- EXISTING FLOOR / CHASSIS SHOULD BE REUSED OR LOCALLY REINFORCED IF SOUND. AVOID HEAVY FULL HOUSE-STYLE FLOOR FRAMING UNLESS STRUCTURALLY NECESSARY.
- KEEP HEAVY ITEMS LOW AND NEAR THE AXLE: BATTERY, FRESH-WATER JUGS, GRAY-WATER CATCH, AND GEAR.
- COVERED PORCH / DECK IS LIGHTWEIGHT AND NOT INTENDED FOR HEAVY CARGO LOADING.
- THIS IS A LIGHTWEIGHT TRAILER BUILD CONCEPT, NOT FULL RESIDENTIAL HOUSE FRAMING.
- ALL DIMENSIONS AND STRUCTURE MUST BE FIELD VERIFIED AGAINST THE EXISTING TRAILER FRAME BEFORE CONSTRUCTION.

SPECIFICATIONS

- OVERALL LENGTH: 20'-0"
- OVERALL WIDTH: 7'-0"
- MAIN WALL HEIGHT: 7'-0"
- MAX OVERALL HEIGHT (AT LOFT PEAK): 11'-0"
- ADULT LOFT ABOVE KITCHEN + WET ROOM: 7'-0" WIDE x 6'-0" LONG x 4'-0" HIGH
- TRAILER TYPE: TENT-CAMPER CONVERSION
- OCCUPANCY (SLEEPING): 2 ADULTS (LOFT) + 1 CHILD + 2 GUESTS
- WINDOWS: W1, W2, W3 (TAGS)
- VENTS: MAIN ROOM, WET ROOM, LOFT
- DOOR: REAR DECK OUTSWING ENTRY
- POWER: 12V DC SOLAR-READY
- WATER (FRESH): (2) 5-GAL REMOVABLE JUGS
- WASTE (GRAY): 5-GAL REMOVABLE CATCH
- TOILET: CASSETTE TOILET

LEGEND

- WALLS (2x2 OR 2x3 FRAMING)
- BUILT-IN / CABINETRY
- OVERHEAD / LOFT OUTLINE
- COVER / ROOF LINE (DASHED)
- DOOR (OUTSWING)
- VENT / FAN
- WINDOW TAG

WINDOW SCHEDULE

TAG	DESCRIPTION
W1	LOW SIDE WINDOW (CHILD ZONE)
W2	SIDE WINDOW (MAIN ROOM)
W3	LOFT WINDOW (REAR)

VENT SCHEDULE

SYMBOL	LOCATION
⊕	MAIN ROOM
⊕	WET ROOM
⊕	LOFT

ANSWAR LIVINGSTON
— OWNER / BUILDER —

PROJECT:

**LIGHTWEIGHT CUSTOM CONVERTED
TENT-CAMPER TRAILER**

DRAWING TITLE:

PAGE 1 — OVERALL FLOOR PLAN

SCALE:

1/2" = 1'-0"

DATE:

05/18/2024

NOTE:

THIS IS A CONCEPT BLUEPRINT SET FOR CONTRACTOR PLANNING. ALL STRUCTURAL DETAILS, MATERIALS, AND DIMENSIONS MUST BE FIELD VERIFIED AGAINST THE EXISTING TRAILER FRAME BEFORE CONSTRUCTION.

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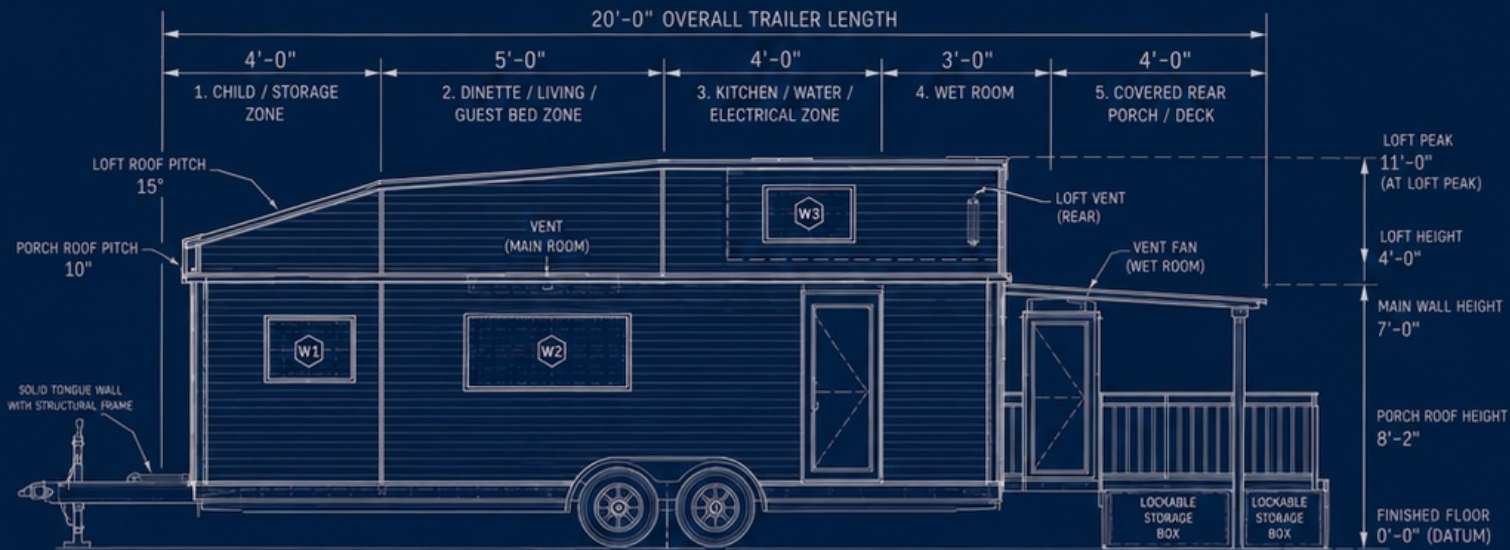
REVISION / ISSUE:
CONCEPT ISSUE – FIELD VERIFY ALL
DIMENSIONS & STRUCTURAL DETAILS

DATE:

05/18/2024

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OF 6



DRIVER SIDE ELEVATION

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



PASSENGER SIDE ELEVATION

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



FRONT / HITCH ELEVATION

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

REAR PORCH ELEVATION

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

KEY NOTES — LIGHTWEIGHT BUILD STRATEGY

- WALLS ARE LIGHTWEIGHT 2x2 OR 2x3 FRAMING (TYP.) WITH TARGETED REINFORCEMENT ONLY AT LOFT-BEARING POINTS, DOOR OPENINGS, AND WINDOW OPENINGS.
- EXISTING FLOOR / CHASSIS SHOULD BE REUSED OR LOCALLY REINFORCED IF SOUND. AVOID HEAVY FULL HOUSE-STYLE FLOOR FRAMING UNLESS STRUCTURALLY NECESSARY.
- KEEP HEAVY ITEMS LOW AND NEAR THE AXLE: BATTERY, FRESH-WATER JUGS, GRAY-WATER CATCH, AND GEAR.
- COVERED PORCH / DECK IS LIGHTWEIGHT AND NOT INTENDED FOR HEAVY CARGO LOADING.
- FIELD VERIFY FRAME INTEGRITY, AXLE PLACEMENT, AND TOWING LOADS BEFORE FINAL BUILD.

GENERAL NOTES

- OVERALL LENGTH: 20'-0"
- OVERALL WIDTH: 7'-0"
- MAIN WALL HEIGHT: 7'-0"
- MAX. OVERALL HEIGHT (AT LOFT PEAK): 11'-0"
- LOFT: 7'-0" WIDE x 6'-0" LONG x 4'-0" HIGH ABOVE KITCHEN + WET ROOM ONLY
- TRAILER TYPE: TENT-CAMPER CONVERSION
- OCCUPANCY (SLEEPING): 2 ADULTS (LOFT) + 1 CHILD + 2 GUESTS
- WINDOWS: W1, W2, W3, W3R (TAGS)
- VENTS: MAIN ROOM, WET ROOM, LOFT
- DOOR: REAR DECK OUTSWING ENTRY
- POWER: 12V DC SOLAR-READY ROUTING
- WATER (FRESH): (2) 5-GAL REMOVEABLE JUGS
- WASTE (GRAY): 5-GAL REMOVEABLE CATCH
- TOILET: CASSETTE TOILET

LEGEND

- WALLS (2x2 OR 2x3 FRAMING)
- BUILT-IN / CABINETRY
- OVERHEAD / LOFT OUTLINE
- COVER / ROOF LINE (DASHED)
- DOOR (OUTSWING)
- VENT / FAN
- WINDOW TAG

WINDOW SCHEDULE

TAG	DESCRIPTION
W1	LOW SIDE WINDOW (CHILD ZONE)
W2	SIDE WINDOW (MAIN ROOM)
W3	LOFT WINDOW (REAR)
W3R	REAR PORCH WINDOW

VENT SCHEDULE

SYMBOL	LOCATION
⊕	MAIN ROOM
⊕	WET ROOM
⊕	LOFT

ELEVATION KEY

- W1 LOW SIDE WINDOW (CHILD ZONE)
- W2 SIDE WINDOW (MAIN ROOM)
- W3 LOFT WINDOW (REAR)
- W3R REAR PORCH WINDOW

EXTERIOR NOTES

- EXTERIOR SIDING: HORIZONTAL LAP SIDING (WEATHER RESISTANT).
- ROOFING: METAL ROOF PANELS (STANDING SEAM OR RIBBED).
- ALL WINDOWS ARE TEMPERED GLASS WITH SCREENS.
- ALL VENTS TO BE WEATHER SEALED AND SCREENED.
- COVERED REAR PORCH WITH RAILING AND LOCKABLE STORAGE BOXES (TYP.).
- REAR ENTRY DOOR (OUTSWING) TO PORCH.

CONTRACTOR NOTE

ALL STRUCTURAL MEMBERS, AXLE PLACEMENT, AND TOWING LOADS MUST BE FIELD VERIFIED AGAINST THE EXISTING TRAILER FRAME BEFORE CONSTRUCTION.

ANSWAR LIVINGSTON

— OWNER / BUILDER —

PROJECT:

LIGHTWEIGHT CUSTOM CONVERTED
TENT-CAMPER TRAILER

DRAWING TITLE:

PAGE 2 — EXTERIOR ELEVATIONS

SCALE:

1/2" = 1'-0"

DATE:

05/18/2024

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CONCEPT ISSUE — FIELD VERIFY ALL DIMENSIONS & STRUCTURAL DETAILS

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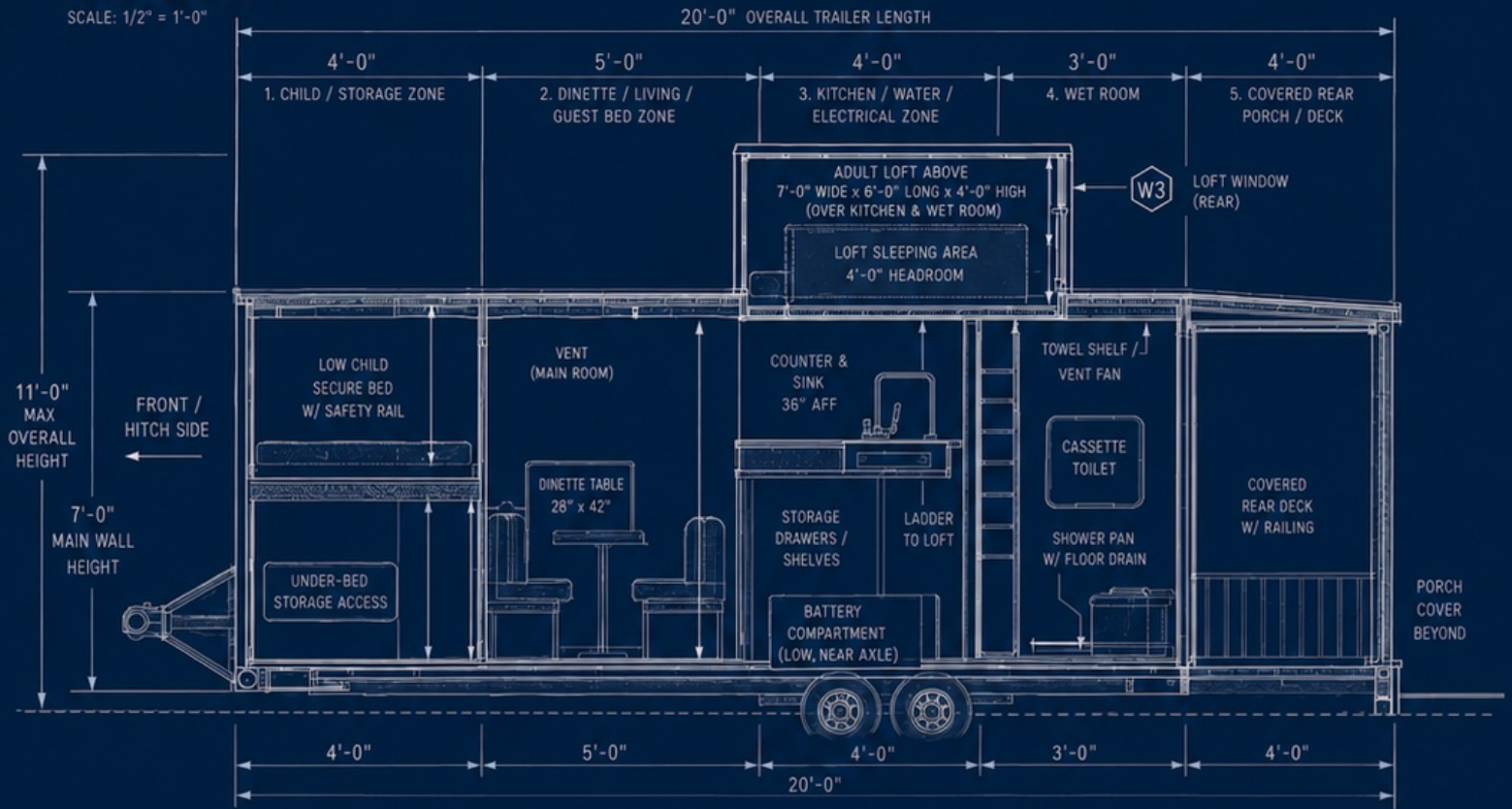
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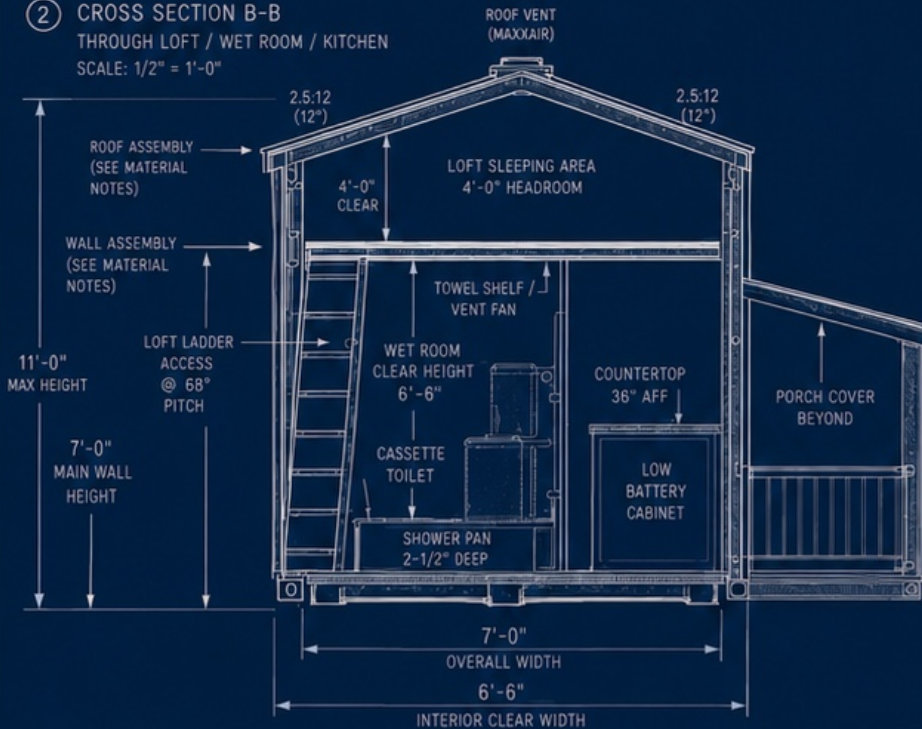
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CONTRACTOR: FIELD VERIFY ALL DIMENSIONS, WEIGHT DISTRIBUTION, AND CODE COMPLIANCE BEFORE CONSTRUCTION.

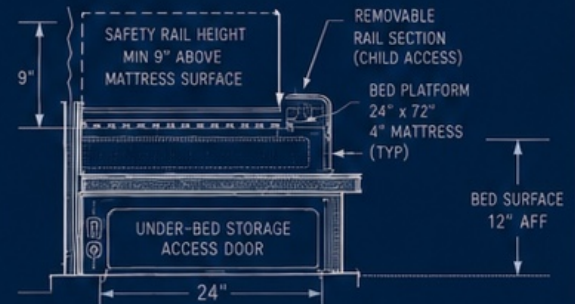
① LONGITUDINAL SECTION A-A
THROUGH CENTERLINE
SCALE: 1/2" = 1'-0"



② CROSS SECTION B-B
THROUGH LOFT / WET ROOM / KITCHEN
SCALE: 1/2" = 1'-0"



③ DETAIL C - CHILD BED SAFETY RAIL & UNDER-BED STORAGE ACCESS
SCALE: 3/4" = 1'-0"



MATERIAL / ASSEMBLY NOTES (LIGHTWEIGHT CONSTRUCTION)

- WALLS: 2x2 OR 2x3 FRAMING @ 16" O.C. W/ R-7 TO R-13 CLOSED-CELL SPRAY FOAM OR RIGID FOAM INSULATION; INTERIOR 1/4" PLY OR THIN PANEL; EXTERIOR 1/8" TO 1/4" COMPOSITE PANEL OR ALUMINUM SHEET.
- LOFT: TARGETED 2x3 FRAMING @ 16" O.C. WITH ADDITIONAL 2x3, 2x4, OR METAL REINFORCEMENT ONLY AT LOFT-BEARING POINTS.
- ROOF: 2x2 OR 2x3 RAFTERS @ 16" O.C. W/ R-13 SPRAY FOAM OR RIGID FOAM; LIGHTWEIGHT ROOF SHEATHING AND METAL ROOFING.
- FLOOR: EXISTING TRAILER FLOOR / CHASSIS TO BE REUSED IF SOUND; REINFORCE LOCALLY AT LOFT LADDER, DINETTE, AND FIXTURE LOCATIONS.
- ALL DIMENSIONS NOMINAL - FIELD VERIFY BEFORE BUILD.

SECTION KEY NOTES

- ① LOFT ACCESS LADDER @ 68" PITCH MAX FOR SAFE CLIMBING.
- ② LOFT EGRESS WINDOW (W3) MIN. NET CLEAR OPENING: 5.7 SQ. FT.
- ③ LOFT GUARDRAIL 36" MIN. HEIGHT AT OPEN SIDES.
- ④ ALL INTERIOR HEADROOMS SHOWN ARE MINIMUM CLEAR.
- ⑤ FIELD VERIFY ALL HEADROOMS, WINDOW CLEARANCES, AND DOOR SWING CLEARANCES BEFORE CONSTRUCTION.
- ⑥ VERIFY WEIGHT DISTRIBUTION. TARGET TONGUE WEIGHT: 10-15% OF TOTAL.

ANSWAR LIVINGSTON
— OWNER / BUILDER —

PROJECT:
LIGHTWEIGHT CUSTOM CONVERTED
TENT-CAMPER TRAILER

DRAWING TITLE:
PAGE 3 - BUILDING SECTIONS &
INTERIOR HEIGHTS

SCALE:
AS NOTED

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05/18/2024

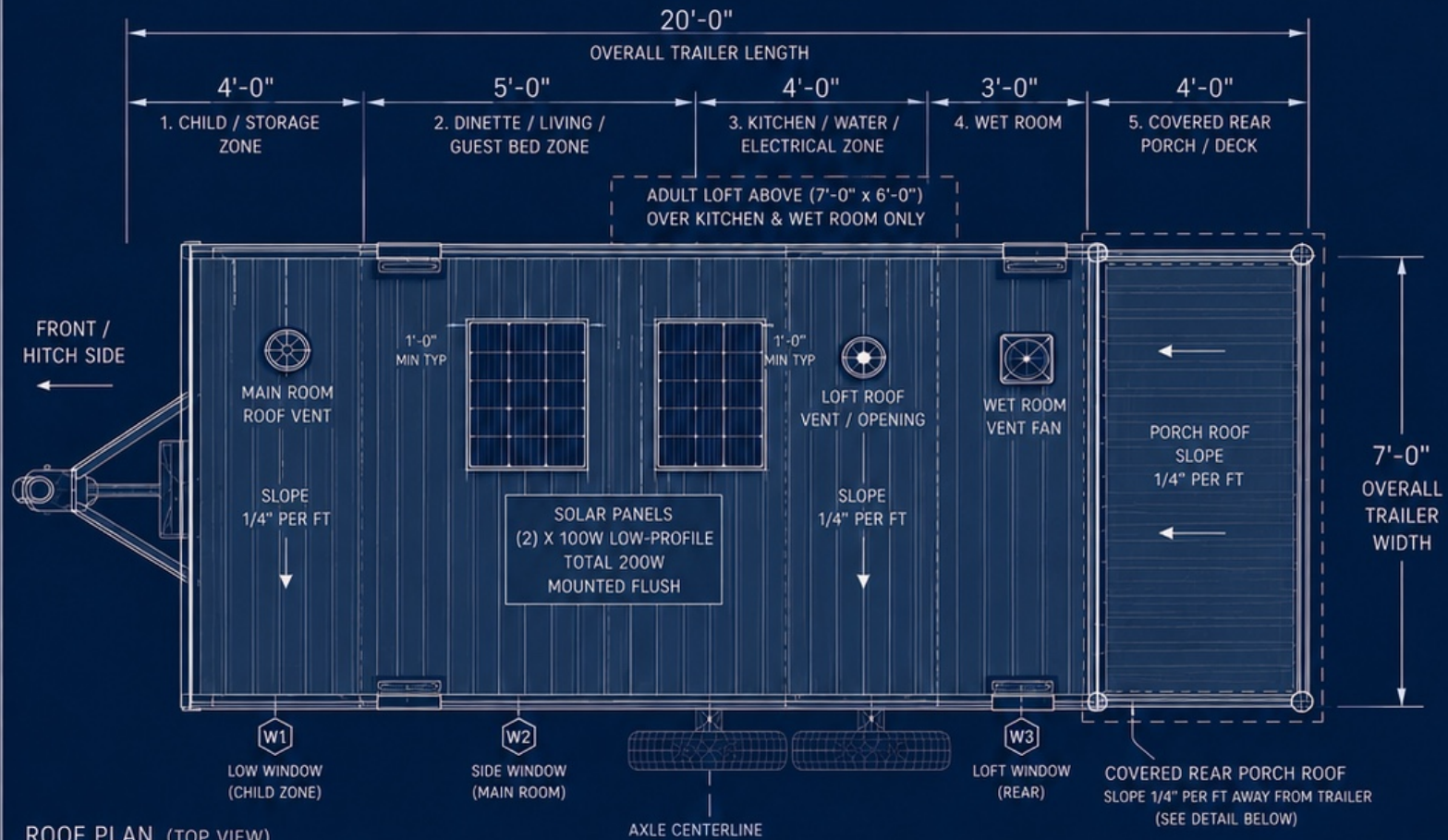
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FOR CONTRACTOR PLANNING.
ALL STRUCTURAL DETAILS,
MATERIALS, AND DIMENSIONS
MUST BE FIELD VERIFIED
AGAINST THE EXISTING
TRAILER FRAME BEFORE
CONSTRUCTION.

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CONCEPT ISSUE - FIELD VERIFY ALL
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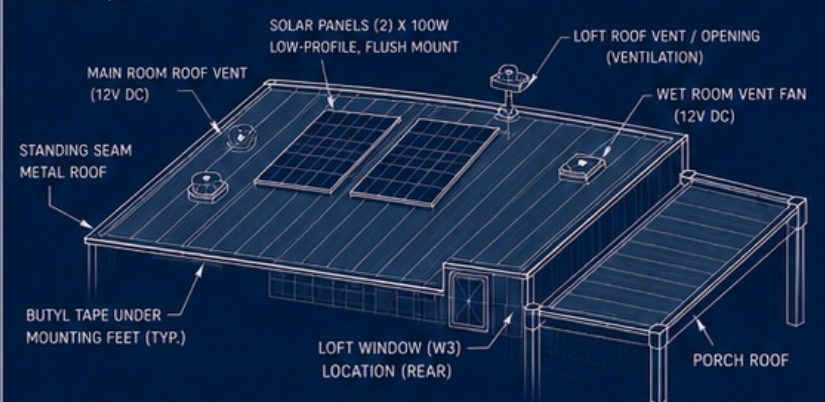
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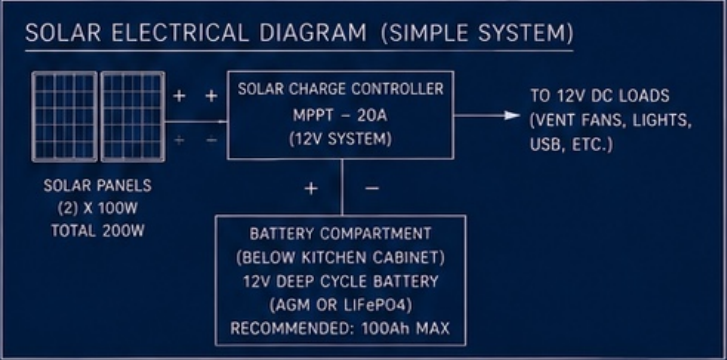
CONTRACTOR: FIELD VERIFY ALL DIMENSIONS, WEIGHT DISTRIBUTION, AND CODE COMPLIANCE BEFORE CONSTRUCTION.



ROOF PLAN (TOP VIEW)
SCALE: 1/2" = 1'-0"



ENLARGED ROOF DETAIL (ISOMETRIC)



- LIGHTWEIGHT SOLAR DESIGN NOTES**
- SYSTEM SIZE LIMITED TO 200W TOTAL TO MINIMIZE WEIGHT & WIND LOAD.
 - LOW-PROFILE PANELS (≤ 9-12 LBS EACH) MOUNTED FLUSH TO ROOF.
 - USE LIGHTWEIGHT MPPT CONTROLLER, WIRING & 12V VENT FANS.
 - ALL ROOF PENETRATIONS SEALED WITH BUTYL TAPE & HIGH-QUALITY SEALANT.
 - TOTAL ROOF SYSTEM WEIGHT TARGET: 25-30 LBS (MAX).

LEGEND		ROOF SCHEDULE		SOLAR & VENT SCHEDULE			CONTRACTOR NOTES (ROOF)	
	MAIN ROOM ROOF VENT (LOW PROFILE)	ITEM	SPECIFICATION	ITEM	QTY	SPECIFICATION	WEIGHT (EA.)	1. ALL ROOF PENETRATIONS TO BE SEALED WITH BUTYL TAPE & HIGH-QUALITY SEALANT. 2. USE STAINLESS STEEL HARDWARE ONLY. 3. SOLAR PANELS TO BE MECHANICALLY FASTENED TO STRUCTURAL MEMBERS. 4. SEAL ALL FASTENER HEADS & FLASHINGS. 5. MAINTAIN MIN. SETBACKS FROM ROOF EDGES: • PANELS: 12" MIN. • VENTS: 6" MIN. 6. VERIFY ALL DIMENSIONS & LOCATIONS BEFORE INSTALLATION.
	LOFT ROOF VENT / OPENING (VENTILATION)	ROOF TYPE	STANDING SEAM METAL	SOLAR PANEL (100W)	2	LOW-PROFILE, 12V	9-12 LBS	
	WET ROOM VENT FAN (12V DC)	ROOF SLOPE (MAIN)	1/4" PER FT (2%)	MPPT CHARGE CONTROLLER	1	MPPT - 20A, 12V	1.5 LBS	
	SOLAR PANEL (100W) LOW PROFILE, FLUSH MOUNT	ROOF SLOPE (PORCH)	1/4" PER FT (2%)	ROOF VENT (MAIN ROOM)	1	12V DC, LOW-PROFILE	1.0 LB	
	ROOF SLOPE DIRECTION	ROOF MATERIAL	24 GA. GALVALUME METAL	LOFT VENT / OPENING	1	PASSIVE / LOW PROFILE	0.5 LB	
		COLOR / FINISH	MATTE - DARK GRAY	VENT FAN (WET ROOM)	1	12V DC, LOW-PROFILE	1.0 LB	
		UNDERLAYMENT	SYNTHETIC UNDERLAYMENT	TOTAL (APPROX.)	—	—	13-16 LBS	
		INSULATION (ROOF)	R-7 CLOSED CELL FOAM					
		GUTTERS / DRAINS	NONE (ROOF SHEDS EDGE)					
		PANEL MOUNTING	Flush-Mount, Low Profile					
		SOLAR ARRAY	(2) x 100W = 200W TOTAL					
		TOTAL ROOF SYSTEM WT.	25 - 30 LBS (MAX)					

ANSWAR LIVINGSTON

— OWNER / BUILDER —

PROJECT:

LIGHTWEIGHT CUSTOM CONVERTED TENT-CAMPER TRAILER

DRAWING TITLE:

PAGE 4 — ROOF PLAN, SOLAR & VENTILATION

SCALE:

1/2" = 1'-0"

DATE:

05/18/2024

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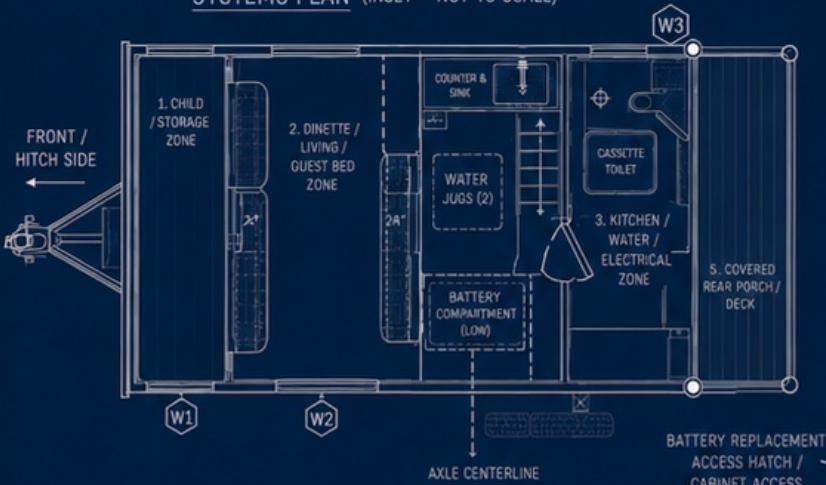
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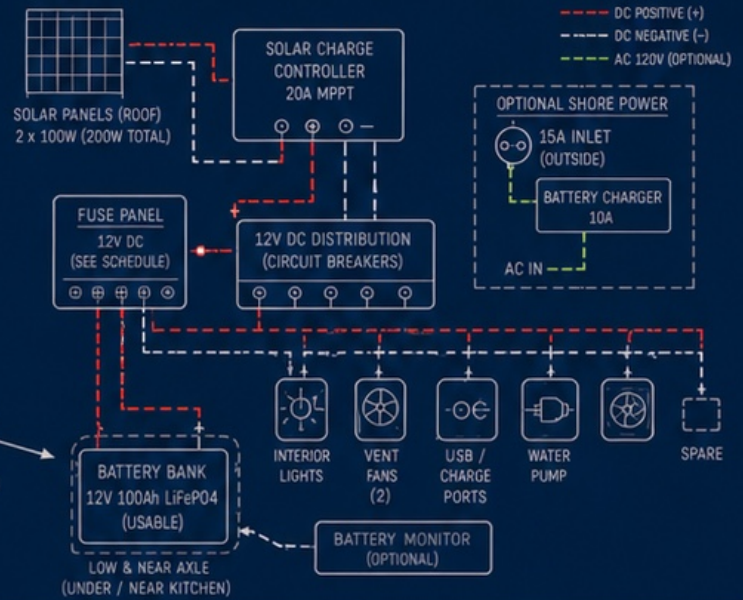
CONTRACTOR: FIELD VERIFY ALL DIMENSIONS, WEIGHT DISTRIBUTION, AND CODE COMPLIANCE BEFORE CONSTRUCTION.

SYSTEMS PLAN (INSET - NOT TO SCALE)

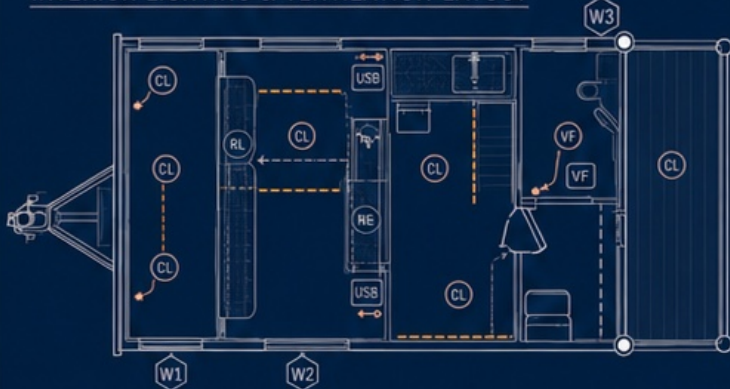


NOTE: ALL DIMENSIONS ARE FROM INTERIOR WALLS / FRAMING.
SEE PAGE 1 FOR OVERALL DIMENSIONS & WINDOW SCHEDULE.

ELECTRICAL SYSTEM DIAGRAM (12V DC - MINIMAL SYSTEM)



INTERIOR LIGHTING & VENTILATION LAYOUT



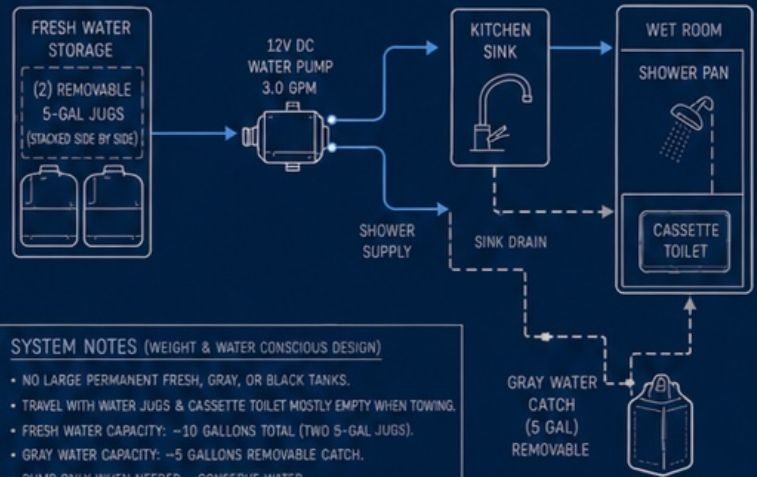
LEGEND (LIGHTING / POWER)

CL	CEILING LED LIGHT
RL	READING LED LIGHT
VF	VENT FAN
USB	USB / 12V CHARGE PORT (DUAL)

LIGHTING & POWER NOTES

- ALL LIGHTS: 12V DC LED, LOW DRAW.
- USB PORTS: DUAL 5V / 2.4A EACH.
- VENT FANS: 12V MAX, THERMOSTATIC OR MANUAL.
- ALL WIRING: MARINE GRADE, CLIPPED & CONCEALED.

WATER SYSTEM SCHEMATIC (FRESH & GRAY)



SYSTEM NOTES (WEIGHT & WATER CONSCIOUS DESIGN)

- NO LARGE PERMANENT FRESH, GRAY, OR BLACK TANKS.
- TRAVEL WITH WATER JUGS & CASSETTE TOILET MOSTLY EMPTY WHEN TOWING.
- FRESH WATER CAPACITY: ~10 GALLONS TOTAL (TWO 5-GAL JUGS).
- GRAY WATER CAPACITY: ~5 GALLONS REMOVABLE CATCH.
- PUMP ONLY WHEN NEEDED - CONSERVE WATER.
- USE LOW-FLOW FIXTURES (3.0 GPM PUMP, LOW-FLOW SHOWER HEAD).
- ALL COMPONENTS CHOSEN FOR LOW WEIGHT & LOW POWER DRAW.
- SYSTEM SERVICE ACCESS FROM INTERIOR WITH MINIMAL TOOLS.

ELECTRICAL COMPONENT SCHEDULE

TAG	DESCRIPTION	QTY	SPEC / NOTES
SOLAR	ROOF SOLAR PANEL	2	100W EACH (TOTAL 200W)
SCC	SOLAR CHARGE CONTROLLER	1	20A MPPT
BAT	LiFePO4 BATTERY	1	12V 100Ah (USABLE)
MON	BATTERY MONITOR	1	BLUETOOTH (OPTIONAL)
FP	FUSE PANEL (12V DC)	1	COMPACT 6-CIRCUIT
DCDIST	12V DC DISTRIBUTION	1	CIRCUIT BREAKERS
PMP	12V DC WATER PUMP	1	3.0 GPM
FAN	VENT FAN	2	12V DC, LOW DRAW
USB	USB / CHARGE PORT	2	DUAL PORT, 5V / 2.4A EACH
CHG	BATTERY CHARGER	1	10A (OPTIONAL)
INLET	SHORE POWER INLET	1	15A 120V AC (OPTIONAL)

DC FUSE / CIRCUIT SCHEDULE

CIRCUIT	DESCRIPTION	RATING	WIRE
1	INTERIOR LIGHTS	7.5A	14 AWG
2	VENT FANS (2)	5A	14 AWG
3	USB / CHARGE PORTS	10A	14 AWG
4	WATER PUMP	10A	14 AWG
5	SPARE / FUTURE	10A	14 AWG
6	SPARE / FUTURE	10A	14 AWG

WIRE ROUTE KEY

DC POSITIVE (+)	---
DC NEGATIVE (-)	---
AC 120V (OPTIONAL)	---
FRESH WATER (PRESSURE)	---
GRAY WATER / DRAIN	---

PLUMBING COMPONENT SCHEDULE

TAG	DESCRIPTION	QTY	SPEC / NOTES
FW-JUG	FRESH WATER JUG (5 GAL)	2	BPA-FREE W/ CAP
PMP	12V DC WATER PUMP	1	3.0 GPM
FLT	INLINE STRAINER/FILTER	1	50 MESH (BEFORE PUMP)
SNK	KITCHEN SINK	1	SMALL, LOW PROFILE
FCT	FAUCET (PULL-OUT)	1	LOW-FLOW AERATOR
SHR	SHOWER HEAD	1	LOW-FLOW
PAN	SHOWER PAN	1	24" x 36" (TYP)
DRN-S	SINK DRAIN	1	1-1/4" HOSE
DRN-SH	SHOWER DRAIN	1	1-1/2" HOSE
GW-C	GRAY WATER CATCH (5 GAL)	1	REMOVABLE, W/ CAP
TOL	CASSETTE TOILET	1	5-GAL TANK
VENT	PLUMBING VENT (TO ROOF)	1	1-1/2"

ANSWAR LIVINGSTON
— OWNER / BUILDER —

PROJECT:

LIGHTWEIGHT CUSTOM CONVERTED
TENT-CAMPER TRAILER

DRAWING TITLE:

PAGE 5 – ELECTRICAL, BATTERY & WATER SYSTEMS

SCALE:

1/2" = 1'-0"

DATE:

05/18/2024

NOTE:

THIS IS A CONCEPT BLUEPRINT SET
FOR CONTRACTOR PLANNING.
ALL SYSTEM DETAILS, MATERIALS,
AND COMPONENTS MUST BE
FIELD VERIFIED AGAINST THE
EXISTING TRAILER FRAME BEFORE
CONSTRUCTION.

REV:

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REVISION / ISSUE:

CONCEPT ISSUE – FIELD VERIFY ALL
DIMENSIONS & SYSTEM ROUTES

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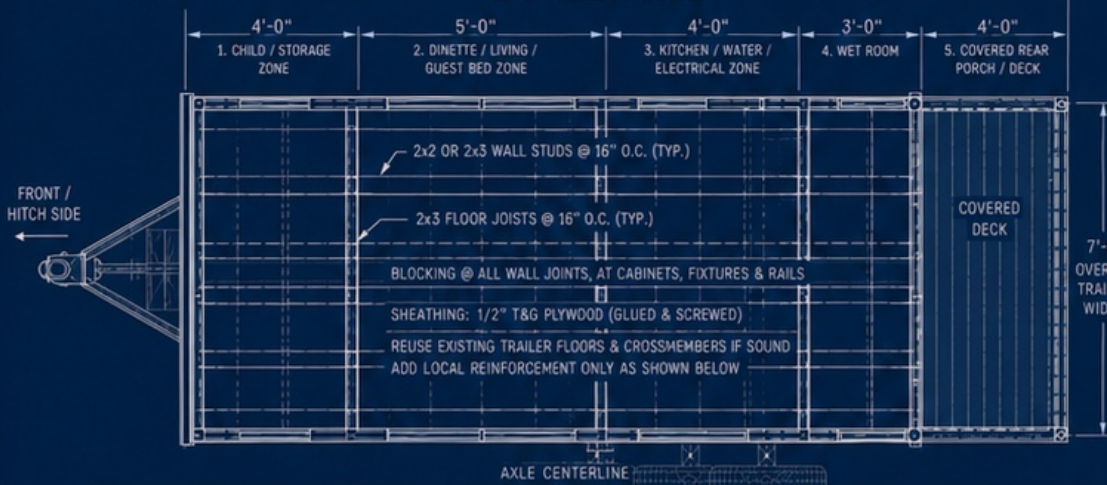
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CONTRACTOR: FIELD VERIFY ALL DIMENSIONS, WEIGHT DISTRIBUTION, AND CODE COMPLIANCE BEFORE CONSTRUCTION.

LOWER WALL / FLOOR FRAMING PLAN

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

20'-0" OVERALL TRAILER LENGTH



LIGHTWEIGHT FRAMING STRATEGY

- ALL WALLS: 2x2 OR 2x3 @ 16" O.C.
- ROOF RAFTERS: 2x2 OR 2x3 @ 16" O.C.
- LOFT JOISTS: 2x3 @ 12" O.C.
- LOCALIZE 2x4 OR LIGHTWEIGHT STEEL ONLY:
 - AT LOFT-BEARING POINTS
 - AT LADDER OPENING HEADERS
 - AT DOOR & WINDOW OPENINGS
- PORCH POSTS: 2x2 STEEL TUBE (MIN.) OR EQUIV.
- REUSE EXISTING CAMPER FLOOR / CHASSIS
- ADD LOCAL REINFORCEMENT ONLY (NOT FULL 2x6)
- SHEATHING: 1/2" T&G PLYWOOD (FLOOR & ROOF)
1/4" PLY OR COMPOSITE FOR WALLS
- INSULATION: THIN, LIGHTWEIGHT (FOAM BOARD OR HIGH-R INSULATION; AVOID HEAVY BATTS)
- SCREWS OVER NAILS FOR ALL STRUCTURAL CONNECTIONS
- FIELD VERIFY ALL CONNECTIONS TO EXISTING TRAILER FRAME - FIT AND ADAPT AS NEEDED

THIS IS A LIGHTWEIGHT TRAILER BUILD.
NOT A HOUSE. KEEP IT LIGHT. KEEP IT SAFE.

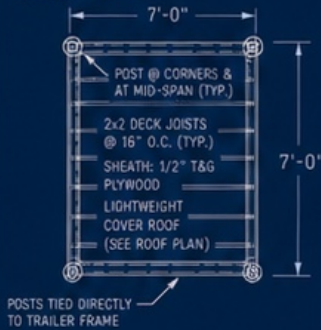
LOFT FRAMING PLAN (ADULT LOFT ABOVE)

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



PORCH FRAMING / COVERED DECK PLAN

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



PORCH ROOF FRAMING PLAN (OPTIONAL LIGHTWEIGHT ROOF)

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



STRUCTURAL NOTES

- ALL FRAMING SHALL BE NEW, DRY, AND STRAIGHT CONSTRUCTION LUMBER.
- NO PRESSURE-TREATED WOOD INSIDE.
- USE CORROSION-RESISTANT SCREWS.
- ALL CONNECTIONS TO TRAILER FRAME SHALL USE THROUGH-BOLTS OR APPROVED WELDED CLIPS AS SHOWN.
- ALL OPENINGS SHALL BE FRAMED AND REINFORCED PER DETAILS BELOW.
- REUSE EXISTING CAMPER FLOOR & CROSSMEMBERS IF SOUND. REINFORCE LOCALLY WHERE NEW LOADS OCCUR.
- VERIFY ALL DIMENSIONS, LEVEL, AND SQUARE BEFORE FRAMING.
- COMPLY WITH LOCAL CODES AND TRAILER MANUFACTURER'S REQUIREMENTS.

STRUCTURAL DETAIL CALLOUTS

WALL STUD (TYP.)



FLOOR ATTACHMENT TO TRAILER FRAME



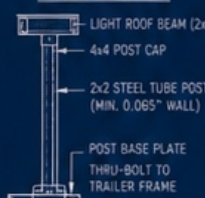
LOFT JOIST @ BEARING (TYP.)



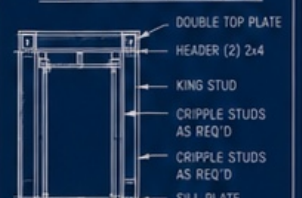
ROOF RAFTER (TYP.)



PORCH POST (TYP.)



OPENING REINFORCEMENT (TYP.)



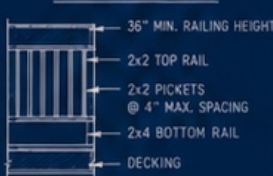
LOFT LADDER & GUARD RAIL



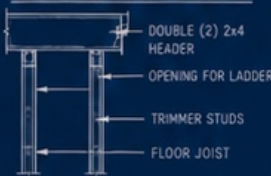
CHILD-BED GUARD RAIL (TYP.)



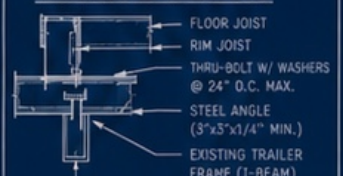
PORCH RAILING DETAIL



LOFT HATCH / LADDER OPENING



ATTACHMENT TO TRAILER FRAME



LOAD, BALANCE & SAFETY NOTES

- TARGET TONGUE WEIGHT: 10-15% OF GROSS TRAILER WEIGHT.
- KEEP HEAVY ITEMS LOW AND NEAR AXLE CENTERLINE: BATTERIES, WATER, APPLIANCES, STORAGE.
- DO NOT PLACE HEAVY ITEMS ON LOFT OR IN PORCH.
- LIMIT TOTAL LOFT LIVE LOAD TO 300 LBS (UNLESS ENGINEERED ABOVE).
- LIMIT PORCH LIVE LOAD TO 150 LBS (PEOPLE ONLY).
- VERIFY TONGUE WEIGHT WITH FULLY LOADED TRAILER.

CHASSIS & INTEGRATION NOTES

- REUSE EXISTING TRAILER CHASSIS IF SOUND AND STRAIGHT.
- REPAIR OR REPLACE ANY DAMAGED MEMBERS BEFORE BUILD.
- NO WELDING ON TRAILER FRAME WITHOUT APPROVAL.
- BOLT ALL NEW COMPONENTS TO FRAME WHERE POSSIBLE.
- FIELD VERIFY AND ADAPT ALL CONNECTIONS TO EXISTING STRUCTURE.

MATERIAL & FASTENER NOTES

- SHEATHING FASTENERS: #8 SCREWS @ 6" O.C. EDGES, 12" O.C. INTERIOR.
- FRAMING CONNECTIONS: (2) #10 SCREWS MIN. U.N.O.
- USE HURRICANE CLIPS AT RAFTERS, JOISTS, AND OPENINGS.
- ALL METAL HARDWARE: CORROSION-RESISTANT.

LIVE LOAD LIMITS

- MAIN FLOOR: 40 PSF
- LOFT FLOOR: 30 PSF (300 LBS MAX TOTAL)
- PORCH / DECK: 20 PSF (150 LBS MAX)
- ROOF (LIGHT ROOF): 20 PSF

EXCEEDING THESE LIMITS MAY
COMPROMISE STRUCTURAL SAFETY.

ANSWAR LIVINGSTON

— OWNER / BUILDER —

PROJECT:

LIGHTWEIGHT CUSTOM CONVERTED TENT-CAMPER TRAILER

DRAWING TITLE:

PAGE 6 — LIGHTWEIGHT FRAMING, LOFT & STRUCTURAL DETAILS

SCALE:

AS NOTED

DATE:

05/18/2024

NOTE:

THIS IS A CONCEPT BLUEPRINT SET FOR CONTRACTOR PLANNING. ALL STRUCTURAL DETAILS, MATERIALS, AND DIMENSIONS MUST BE FIELD VERIFIED AGAINST THE EXISTING TRAILER FRAME BEFORE CONSTRUCTION.

REV:

A

REVISION / ISSUE:

CONCEPT ISSUE — FIELD VERIFY ALL DIMENSIONS & STRUCTURAL DETAILS

DATE:

05/18/2024

PAGE:

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OF 6