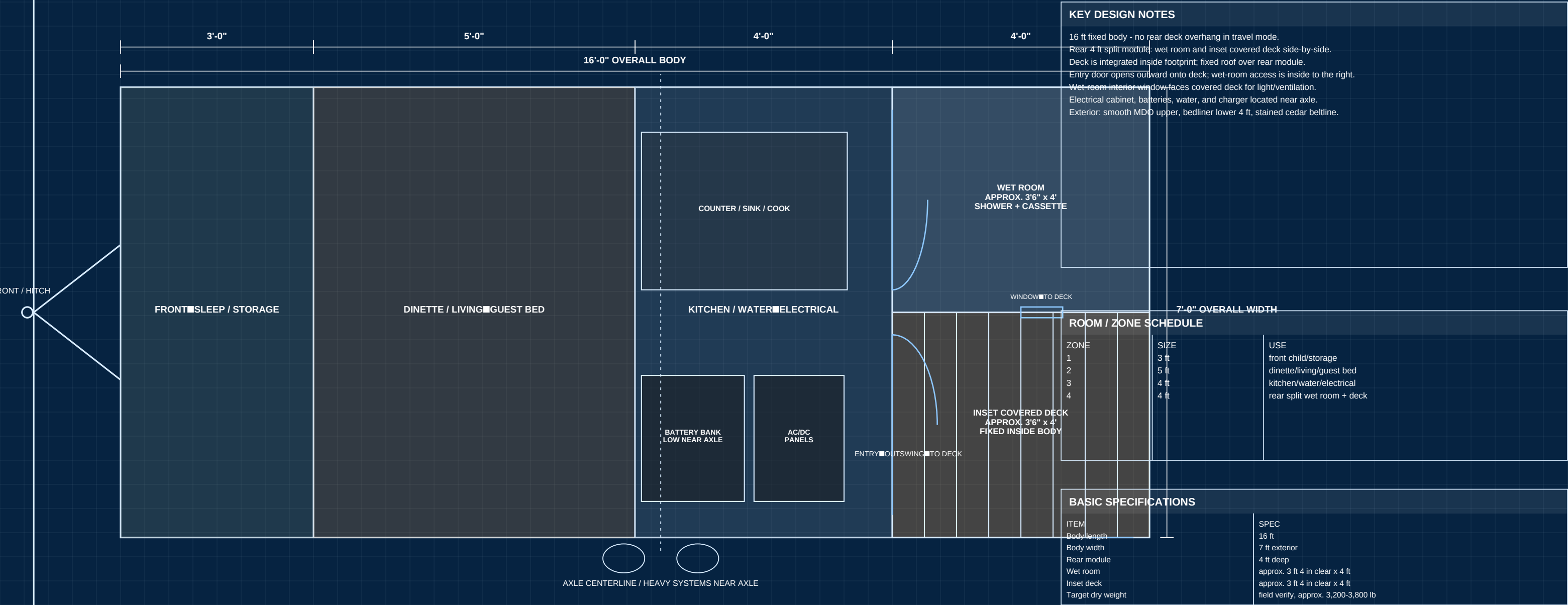


16 FT OFF-GRID CAMPER - INSET DECK REVISED DESIGN

LIGHTWEIGHT WOOD BUILD • FIXED BODY • SPLIT REAR MODULE • OFF-GRID ELECTRICAL



ANSWAR LIVINGSTON

- OWNER / BUILDER -

PROJECT:

16 FT OFF-GRID CAMPER

INSET DECK + WOOD BUILD

DRAWING TITLE:

PAGE 1 - OVERALL FLOOR PLAN

SCALE: AS NOTED

NOTE: CONCEPT BLUEPRINT SET FOR CONTRACTOR PLANNING.
ALL DIMENSIONS, MATERIALS, STRUCTURE, ELECTRICAL,
PLUMBING, AXLE LOAD, AND CODE COMPLIANCE MUST
BE FIELD VERIFIED BEFORE CONSTRUCTION.

1

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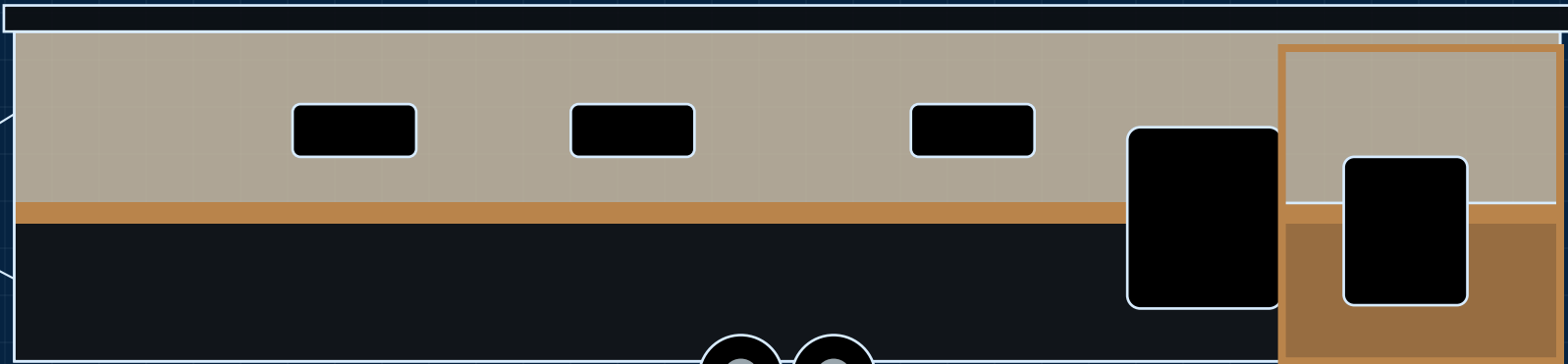
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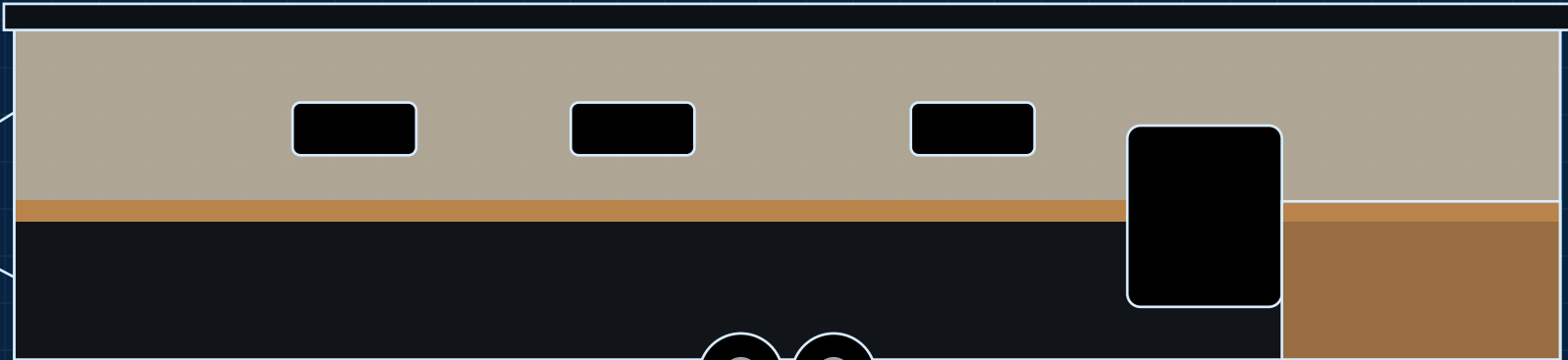
REV: A

16 FT OFF-GRID CAMPER - EXTERIOR ELEVATIONS

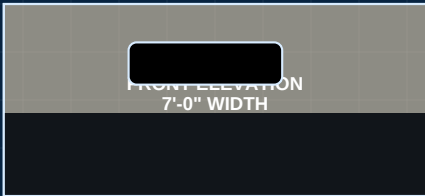
MDO UPPER BODY • LOWER BEDLINER ARMOR • CEDAR BELTLINE • INSET REAR DECK



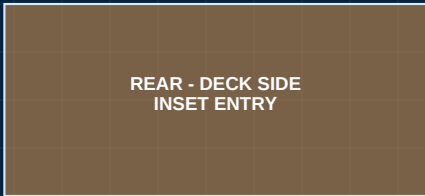
PASSENGER / DECK SIDE ELEVATION



DRIVER / WET ROOM SIDE ELEVATION



FRONT ELEVATION
7'-0" WIDTH



REAR - DECK SIDE
INSET ENTRY



REAR - WET SIDE
WINDOW / VENT

WINDOW / DOOR SCHEDULE		
TAG	DESCRIPTION	LOCATION
W1	Low side window	front sleep
W2	Side window	dinette/living
W3	Kitchen window	kitchen zone
W4	Wet room small window	facing deck
D1	Main side door	passenger side
D2	Deck entry door	deck to cabin

EXTERIOR FINISH NOTES
Upper walls: painted smooth 1/4 in MDO or exterior plywood. Lower 4 ft: roll-on bedliner impact/water protection. Transition: stained cedar beltline at approx. 4 ft height. Cedar trim at windows, corners, rear deck, and door casing. Fixed roof over rear split module - no sliding roof required. All end grain, fasteners, penetrations, and edges sealed.

ELEVATION DIMENSIONS / TOWING NOTES	
ITEM	TARGET
Overall length	16 ft body plus tongue
Exterior width	7 ft
Overall height	approx. 8 ft 2 in to 10 ft max if loft/roof r
Axle	dual axle preferred, field verify
Towing	balance heavy items near axle

CONTRACTOR NOTE: Exterior elevations are conceptual and dimensional. Window and door openings must be coordinated with the actual trailer frame, axle placement, and local requirements. Rear split module must drain away from the cabin; deck floor should be waterproof and slightly sloped.

ANSWAR LIVINGSTON

- OWNER / BUILDER -

PROJECT:

16 FT OFF-GRID CAMPER

INSET DECK + WOOD BUILD

DRAWING TITLE:

PAGE 2 - EXTERIOR ELEVATIONS

SCALE: AS NOTED

NOTE: CONCEPT BLUEPRINT SET FOR CONTRACTOR PLANNING.

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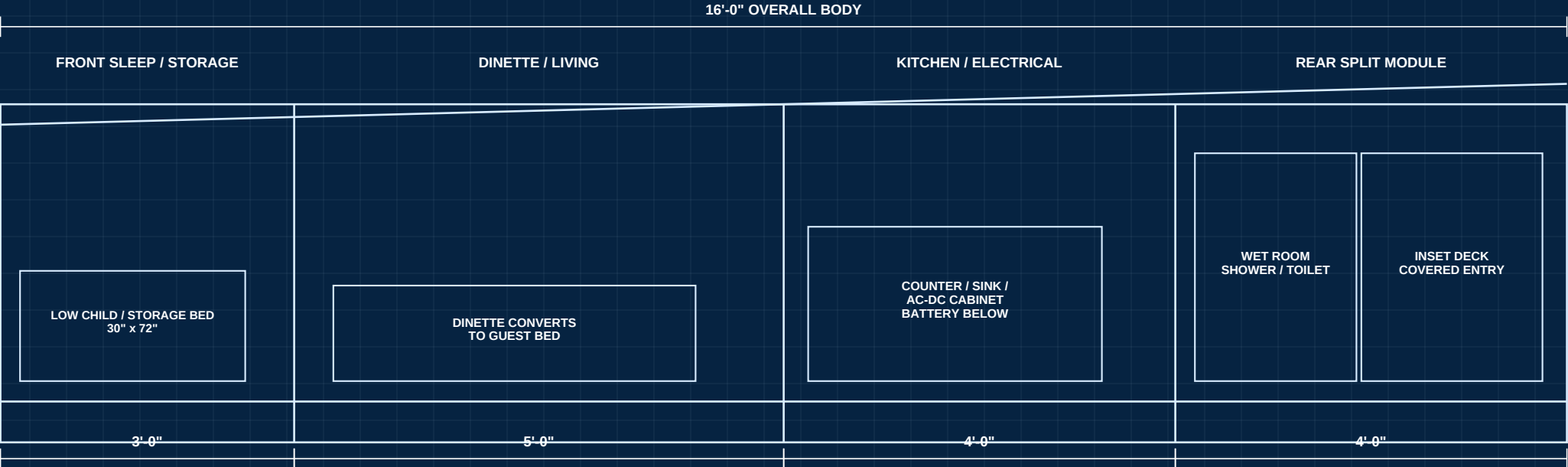
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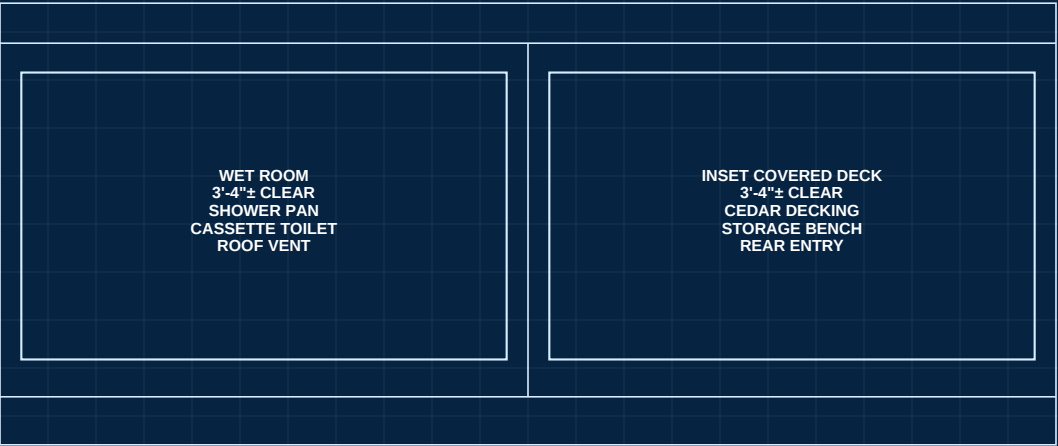
16 FT OFF-GRID CAMPER - BUILDING SECTIONS

INTERIOR HEIGHTS • REAR SPLIT MODULE • WET ROOM + INSET COVERED DECK



WALL ASSEMBLY	
LAYER	SPEC
Exterior finish	upper paint / lower bedliner
Exterior skin	1/4 in MDO or exterior plywood
Framing	2x2 typical, 2x3 where needed
Insulation	rigid foam board, sealed gaps
Interior skin	1/8 to 1/4 in plywood
Trim	stained cedar, sealed end grain

CROSS SECTION B-B THROUGH REAR SPLIT MODULE



SECTION NOTES
Interior clear height target: 6 ft 6 in minimum in main aisle where possible.
Wet room clear height: field verify; roof vent/fan centered over shower/toilet zone.
Deck ceiling: fixed roof protects entry and storage box area.
Rear deck floor should slope slightly outward for drainage.
All roof/wall joints flashed; no sliding roof or fold-out deck in this revision.
Entry door swings outward onto deck, not into main living space.

ANSWAR LIVINGSTON

- OWNER / BUILDER -

PROJECT:

16 FT OFF-GRID CAMPER

INSET DECK + WOOD BUILD

DRAWING TITLE:

PAGE 3 - BUILDING SECTIONS & INTERIOR HEIGHTS

SCALE: AS NOTED

NOTE: CONCEPT BLUEPRINT SET FOR CONTRACTOR PLANNING.

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3

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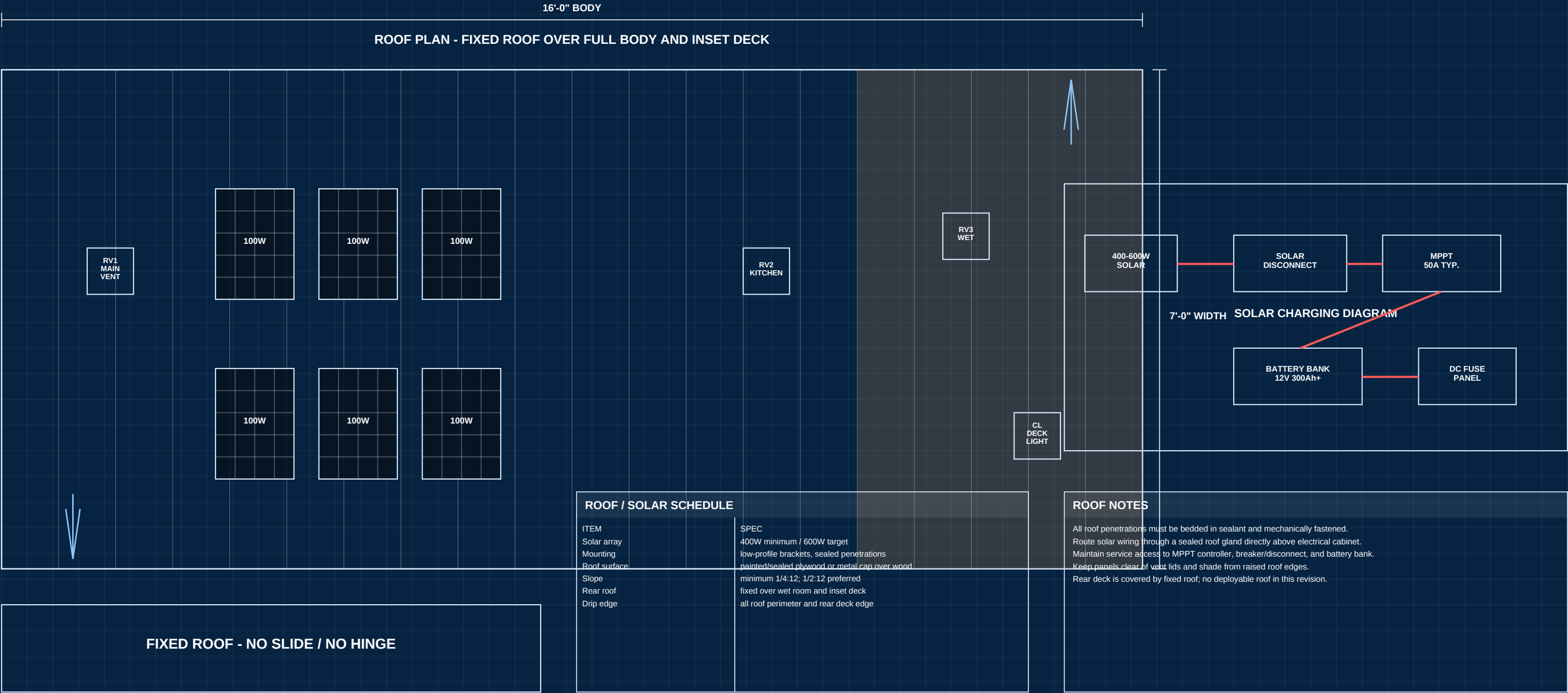
DATE:

06/25/2026

REV: A

16 FT OFF-GRID CAMPER - ROOF PLAN & SOLAR

FIXED ROOF ONLY • NO SLIDING ROOF • REAR DECK INSET UNDER ROOF • 400-600W SOLAR TARGET



ANSWAR LIVINGSTON

- OWNER / BUILDER -

PROJECT:

16 FT OFF-GRID CAMPER

INSET DECK + WOOD BUILD

DRAWING TITLE:

PAGE 4 - ROOF PLAN, SOLAR & VENTILATION

SCALE: AS NOTED

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4

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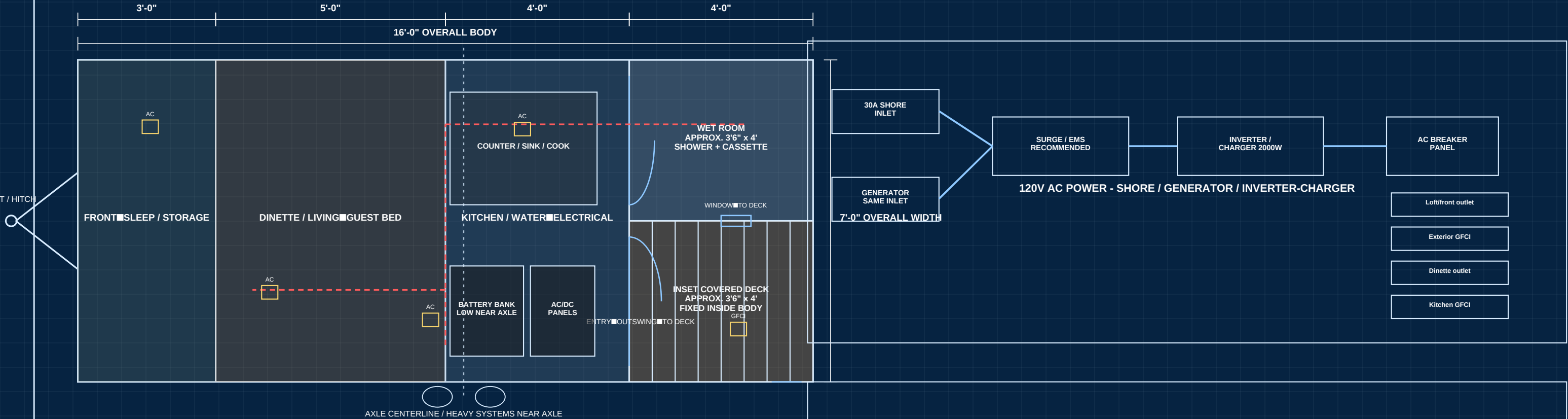
DATE:

06/25/2026

REV: A

16 FT OFF-GRID CAMPER - ELECTRICAL SYSTEM

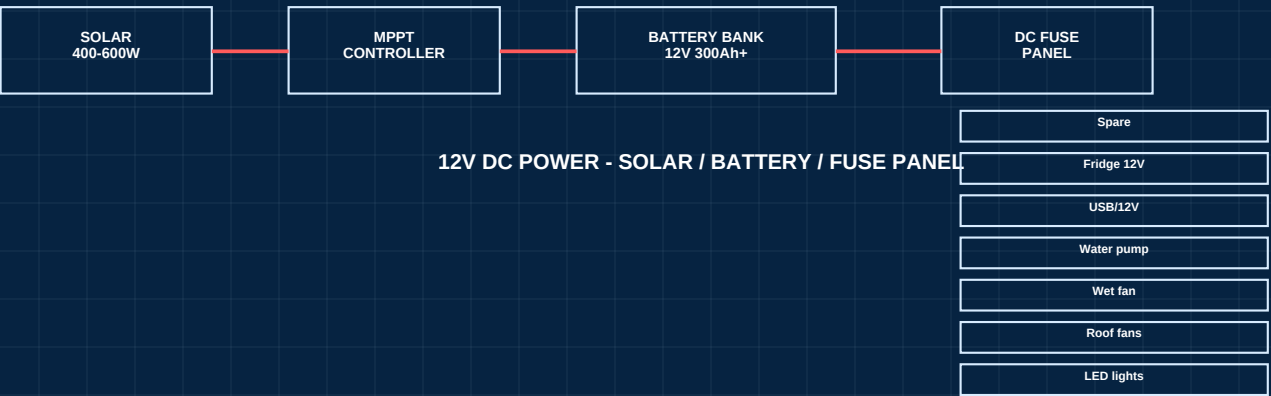
120V AC SHORE/GENERATOR • 12V DC SOLAR/BATTERY • OUTLETS • LIGHTING • CHARGING



ELECTRICAL PLACEMENT SCHEDULE	
LOCATION	ELECTRICAL ITEM
Kitchen/electrical cabinet	AC breaker panel, DC fuse panel
Low near axle	300Ah+ LiFePO4 battery bank
Roof to cabinet	solar roof gland + MPPT
Exterior driver side	30A shore/generator inlet
Deck side	covered GFCI exterior outlet
Dinette	AC outlet + USB-C charging
Front bed	12V reading light + USB

AC PANEL SCHEDULE	
AC CIRCUIT	BREAKER

DC FUSE SCHEDULE	
DC LOAD	FUSE



SAFETY NOTE: Final AC wiring, shore power inlet, neutral/ground bonding, transfer switching, inverter/charger installation, GFCI protection, wire gauge, fusing, and strain relief must be reviewed by a qualified RV/mobile electrician before energizing. Generator connects through the same exterior inlet - never backfeed, never use a male-to-male cord, and keep generator exhaust away from windows, doors, and vents. Install CO/smoke detectors.

ANSWAR LIVINGSTON
- OWNER / BUILDER -

PROJECT:
16 FT OFF-GRID CAMPER
INSET DECK + WOOD BUILD

DRAWING TITLE:
PAGE 5 - ELECTRICAL, AC/DC, BATTERY & OUTLETS
SCALE: AS NOTED

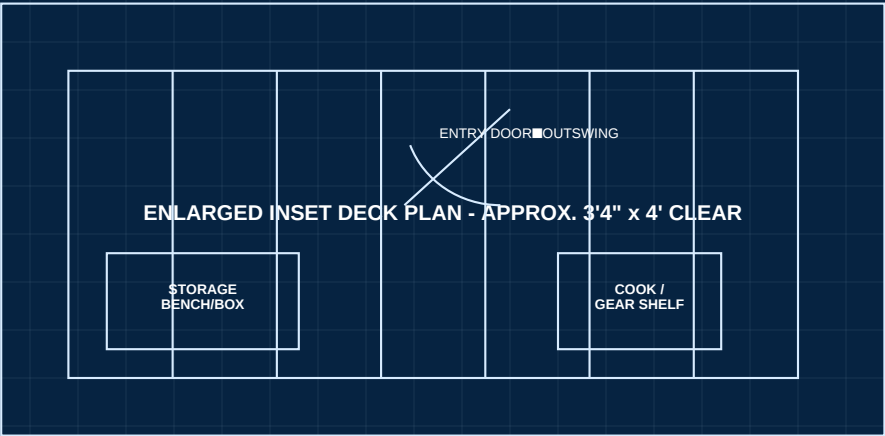
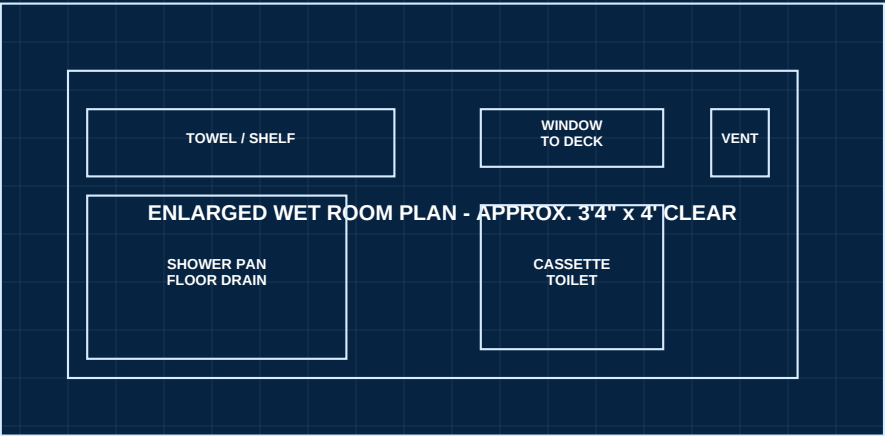
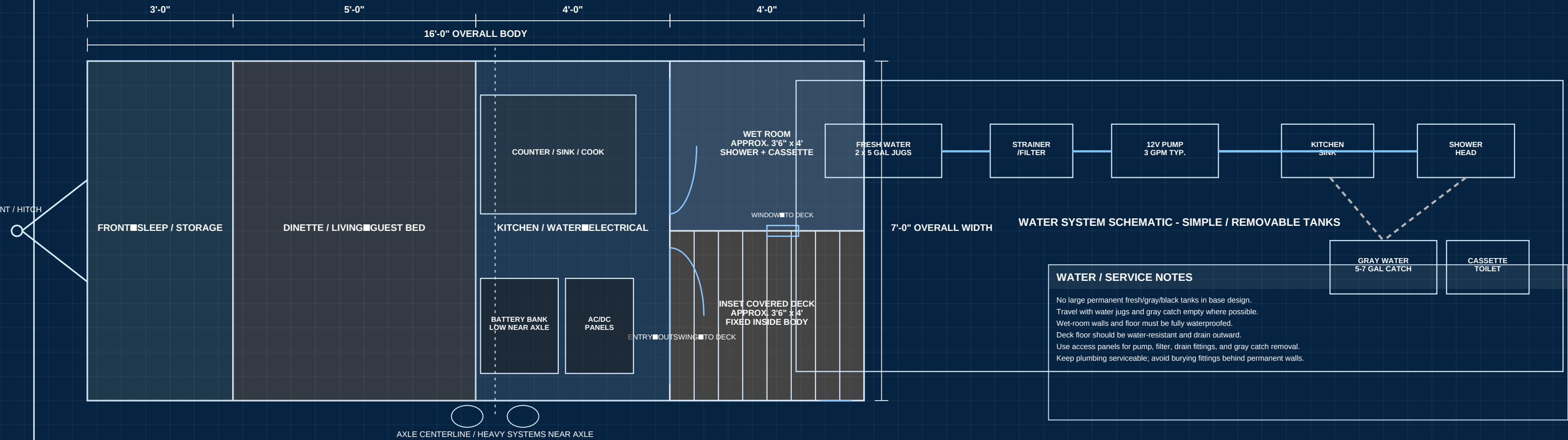
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DATE:
06/25/2026
REV: A

16 FT OFF-GRID CAMPER - WATER & WET ROOM SYSTEMS

REMOVABLE FRESH WATER • GRAY WATER CATCH • CASSETTE TOILET • COMPACT KITCHEN



PLUMBING COMPONENT SCHEDULE		
ITEM	SPEC	
Fresh water	2 removable 5-gal jugs	
Pump	12V on-demand, 2-3 GPM	
Sink	compact kitchen basin	
Shower	low-flow head, wet-room wall mount	
Drain	sink + shower to removable gray catch	
Toilet	cassette toilet, no black tank	
Ventilation	wet-room fan + high window	

ANSWAR LIVINGSTON

- OWNER / BUILDER -

PROJECT:

16 FT OFF-GRID CAMPER

INSET DECK + WOOD BUILD

DRAWING TITLE:

PAGE 6 - PLUMBING, KITCHEN & WET ROOM

SCALE: AS NOTED

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OF 7

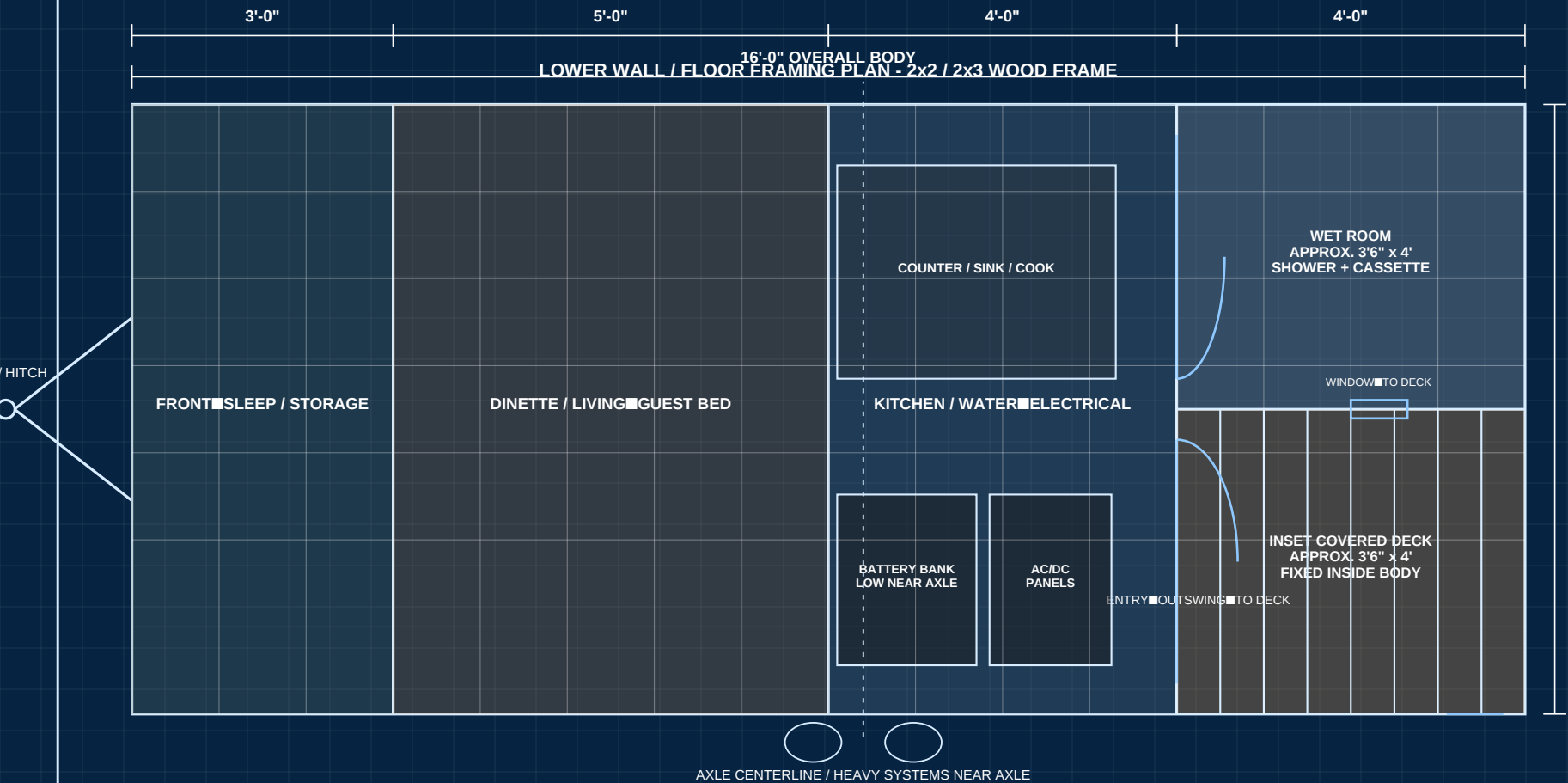
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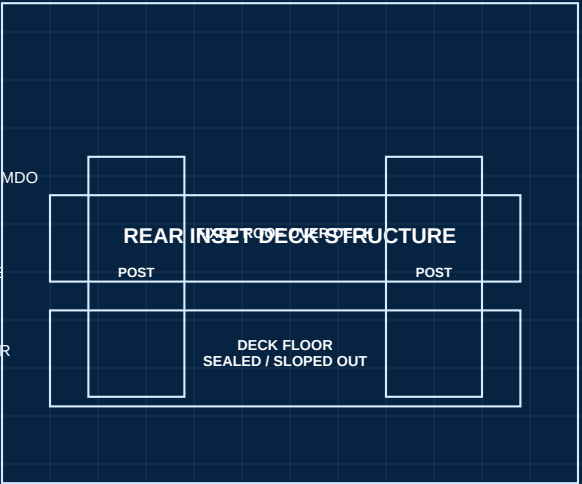
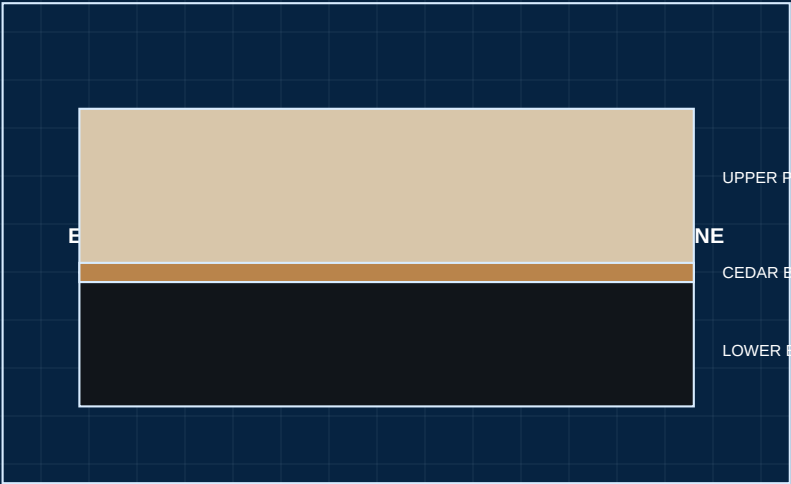
16 FT OFF-GRID CAMPER - FRAMING & FINISH DETAILS

LIGHTWEIGHT WOOD CONSTRUCTION • MDO SKIN • BEDLINER LOWER • CEDAR TRIM



LOAD, BALANCE & CONSTRUCTION NOTES

Target tongue weight: 10-15% of loaded trailer weight.
Keep batteries, water, inverter, charger, and heavy storage low and near axle.
Do not add inset deck; design for people/gear only, not heavy cargo.
Verify axle rating, tire rating, spring condition, frame rust, and coupler rating before build.
All wood exposed to weather must be sealed on all sides and end grain before assembly.
Bedliner must not be applied over raw unsealed plywood edges.
This is a camper conversion concept, not a certified engineered drawing.



MATERIAL / FASTENER NOTES

AREA	RECOMMENDED APPROACH
Framing	2x2 typical; 2x3 at openings/load points
Floor	3/4 in subfloor where supported; field verify
Exterior skin	1/4 in MDO/exterior plywood
Lower finish	roll-on bedliner to approx. 4 ft height
Trim	stained cedar battens/beltline/corners
Insulation	rigid foam board, sealed gaps
Fasteners	coated/stainless screws; seal all penetration

FINAL DESIGN SUMMARY	
SYSTEM	LOCKED DESIGN SPEC

ANSWAR LIVINGSTON

- OWNER / BUILDER -

PROJECT:
16 FT OFF-GRID CAMPER
INSET DECK + WOOD BUILD

DRAWING TITLE:
PAGE 7 - LIGHTWEIGHT FRAMING, EXTERIOR FINISH & DETAILS
SCALE: AS NOTED

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OF 7

DATE:
06/25/2026
REV: A