

# L24-W Transportable Laboratory Unit

Advanced Containment Systems, Inc.

## Structure

- Heavy-duty 10" x 4" x 12lb. structural steel wide flange main beams
- 2" x 2" x 16 ga. steel tubing floor joists, 16" O.C.
- One (1) 5,000 lb. tongue mounted frame jack
- Four (4) 7,000 lb. leveling jacks, one at each corner
- Welded galvanized steel tubing wall studs (2" x 2" x 16 ga.) installed 16" O.C.
- Roof rafters (2" x 2" x 16 ga. galvanized steel tubing) installed 16" O.C.
- Foam insulation provides R-14 walls, ceiling and floor
- .040 thick, smooth aluminum siding with baked on white enamel finish
- .040 thick, seamless aluminum roof fastened to the top rail with all fastener penetrations located outside the unit to eliminate water leaks
- Heavy duty extruded aluminum top channel with rivets located outside of the trailer body
- Two (2) aluminum framed fiberglass doors with handles, hydraulic closers and locks (32"x78"). Doors are keyed alike
- Aluminum drip rails are installed over each exterior door
- Two (2) sets of heavy duty fold-out aluminum steps with large platforms, one for each door
- DOT approved running lights
- 1 15/16" diameter ball hitch with safety chains
- Electric brakes with break-away battery

## HVAC

- In-floor radiant heating
- Two (2) roof mounted A/C units with cooling (13,500 BTU's) and heating (5,600 BTU's)
- Optional in-wall heating units for severe conditions

## Interior

- Seamless Fiberglass Reinforced Plastic (FRP) laminated to 3/8" plywood on interior walls and ceiling
- Corner seams vinyl trimmed and sealed with a high quality silicone sealant to provide a durable and waterproof interior
- 3/4" treated tongue and groove plywood sub-flooring
- Three part poured epoxy floor, covered 1 1/2" up the walls, which is non-slip and chemical resistant

## Services

### Electrical:

- 4', 2-bulb fluorescent light fixtures, rated for wet location, includes positive latches to secure the diffuser
- One (1) panel box, located on the front interior wall of the unit, 120v, single phase, 60Hz
- Individual circuits for equipment per user requirements
- 5500 watt diesel or propane generator on pull-out rack for easy service with 20 gal fuel tank
- Additional power conditioning, filtration and UPS available per user specification

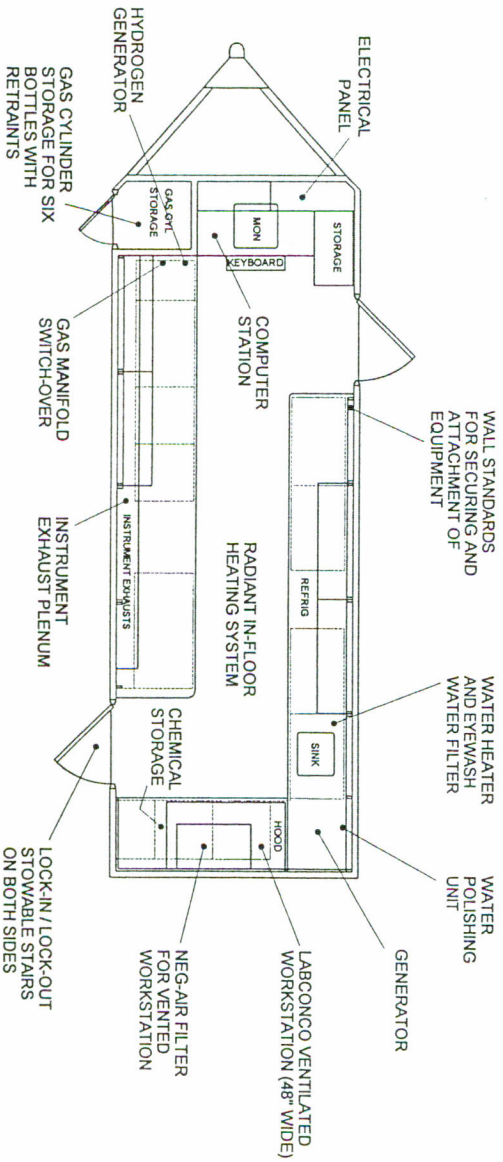
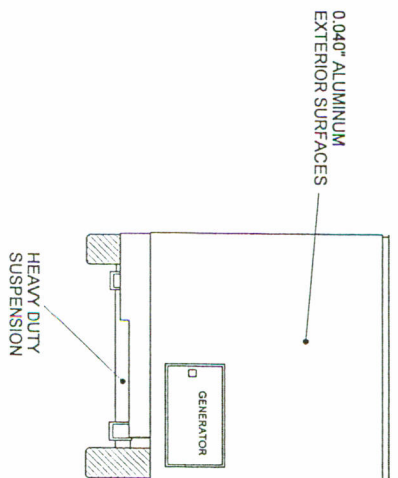
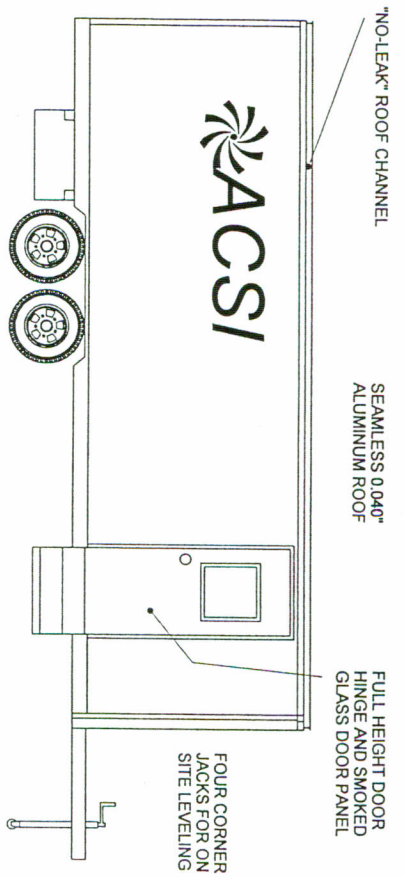
### Plumbing and Interior Facilities

- 30 gallon fresh water tank secured
- 30 gallon laboratory waste water holding tank
- Hookup for city water and city drain
- Drop-in epoxy resin sink basin with hot and cold mixing faucet
- Point-of-use water heater is located under sink
- Hand-held eyewash and drench hose mounted adjacent to sink; cartridge filter for eyewash unit

## Interior Furnishings and Equipment

Commercial quality plastic laminate casework featuring:

- Durable, chemical resistant plastic laminate surfaces, inside and out
- Mechanical joinery without glue
- Adjustable three-knuckle hinges
- 3mm PVC edge banding on all doors and drawer fronts
- Full height drawer box sides for containment of contents
- Self-latching pulls on all doors and drawers
- Full extension heavy duty drawer slides
- Separate toe kick supports for all cabinets
- Integrated computer station with recessed monitor, secured CPU, keyboard tray & wire access chase for connection of instrumentation
- Solid work surface material manufactured of epoxy resin or phenolic material
- Vertical rail system for mounting of storage systems and equipment
- Chemical storage cabinets are available for acids and flammables



ADVANCED CONTAINMENT SYSTEMS, INC.

L24-W TRANSPORTABLE LABORATORY UNIT  
24' X 8'-6"

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AC/CSI Advanced Containment Systems, Inc.

L-24W Wide Body Transportable Laboratory

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