WASHPOD

MSCAPES

PURPOSE-BUILT WASHROOMS FOR THE OUTDOORS

MEASUREMENTS

Width:	10'
Length:	19'
Floor Area:	190 sqft
Structure Weight:	8,000 lbs

TECHNICAL SPECS

Framework

Hot-dip galvanized mild steel (MS) structural members with corrosion-resistant coating.
Steel members designed for structural stability and long-term durability under extreme conditions.

Walls (Interior)

10–12mm solid Stone Plastic Composite (SPC) wall panel system with integrated rigid core construction and factory-applied waterproof decorative surface finish.

Doors & Windows

System aluminum doors and windows with corrosion-resistant aluminum alloy frames.
Includes weather sealing and compatible hardware for exterior-grade performance.

Insulation Layer

3-inch polyurethane (PU) spray foam insulation applied uniformly on walls and roof.
Provides superior thermal insulation, acoustic performance, and moisture resistance.

Roof / Exterior System

Stone-coated metal roof tiles with high weather resistance and long service life.
Designed to withstand UV exposure, rain, wind, and temperature variations.

Stairs / Railings / Decks

WPC (Wood Plastic Composite) decking tiles for stairs, railings, and deck surfaces.
Material is water-resistant, anti-slip, termite-proof, and suitable for exterior environments.

Walls (Exterior)

WPC interlocking wall cladding for enhanced durability and impact resistance.
Low-maintenance, waterproof, and UV-stable finish suitable for interior or exterior applications.

Electrical Wiring

Concealed built-in electrical wiring with 3-phase system. Copper wires of 14-gauge or 16-gauge, compliant with standard electrical safety requirements.

Plumbing – Water Pipes

PEX water pipes with push-fit connections installed within interior partition walls.
Leak-resistant, corrosion-free system suitable for hot and cold water supply.

Bathroom Fittings

Premium bathroom sanitary ware and fittings by Kohler. Includes fixtures and accessories as per design specifications.

Excluded Equipment Notice:

The AC unit, hot water heater, and exhaust equipment are not included in this pricing. These items will be quoted separately to allow for proper selection of materials, sizes, and equipment types based on final design, site conditions, and code requirements.

MSCAPES™

WashPod

Engineer & Permitting Q&A

1. How is plumbing distributed to each wash pod?

Each WashPod receives dedicated hot and cold water lines routed from the central connector corridor into each pod. A clear plumbing schematic will be provided showing distribution, manifolds, shutoffs, pipe sizes, winterization points, and venting, all designed to standard U.S. plumbing practices.

2. How is drainage and sewer routing handled?

All fixtures (toilets, showers, and sinks) tie into a central sanitary system. Grey water and black water lines are routed through the central wall and exit at designated points to connect to the camp's existing sewer system. Pipe sizes and slopes follow standard code requirements.

3. How does the WashPod address slab interface and ADA access?

Finished floor elevations are coordinated to avoid step-ups at doorways. All doors are elevated from the concrete pad, and ADA access is maintained with no step at the ADA stall entry. Where required, a vandalism-resistant metal ramp is fabricated and shipped with the WashPod to ensure ADA compliance.

WashPod

Engineer & Permitting Q&A

MSCAPES™

4. What placement tolerances are required between pods?

WashPods are designed to allow reasonable placement tolerance between units. A connector corridor spans the gap between pods, with framing designed to accommodate minor field adjustments. Final corridor construction is recommended after pods are set in place to ensure proper alignment.

5. How is the connector corridor roof made watertight?

The corridor roof overlaps each pod roof with a minimum overhang of upto 9" on either side to ensure weather-tight connections. Roof detailing directs water away from joints and into integrated drainage paths to prevent leaks.

6. How is roof drainage managed?

The connector roof is sloped from a central ridge toward each side, following the pod roof slopes. Rainwater flows outward and is collected via integrated gutters. Roof pitch is sufficient to prevent pooling and allow debris such as pine needles or leaves to be easily washed off.

7. What are the structural load considerations?

Each WashPod's approximate weight is provided for shipping and placement planning. Roofs are designed to handle maintenance loads safely, with no special precautions required for routine access. Load ratings meet or exceed typical code expectations for similar structures.

MSCAPES™

WashPod

Engineer & Permitting Q&A

8. How is ventilation handled inside each stall?

Each stall is equipped with its own exhaust fan to manage humidity and odor. Fan sizing and CFM are selected based on stall count and usage. Humidity-sensor controls may be used for efficient operation, and fan placement is coordinated to maintain a clean exterior appearance.

9. Are AC units, hot water heaters, or exhaust equipment included?

No. HVAC units, hot water heaters, and exhaust equipment are intentionally excluded from base pricing. These items are priced separately to ensure the correct materials, sizes, and equipment types are selected based on final design, site conditions, and local code requirements.

10. Is a permit-ready drawing set available?

Yes. A permit-ready drawing package can be provided as required by the county or authority having jurisdiction. This includes plan views, elevations, sections, slab/foundation plans, MEP drawings, and notes/specifications. Design fees may apply depending on jurisdiction.