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## PREFABRICATED ALUMINUM BUILDINGS

### General

Prefabricated building constructed from low maintenance, lightweight corrosive resistant aluminum. Length and width dimensions as required per application – with a 90" - 93" nominal outside height. Interior dimension from floor to ceiling shall be 83".

### Frame

Frame Construction: Provide structural framing of aluminum alloy extrusions. Connections shall be fastened to framing system using mechanical fasteners or MIG welded where necessary creating a unitized framework.

Base: Building to typically be constructed on a 4" galvanized mechanical tube or extruded aluminum frame (when required).

### Floor

Floor assembly to be comprised of 3/16" aluminum tread plate. Floor panel assembly shall fit tightly against wall panels and shall be fastened to bottom structural frame.

### Walls

Lower Wall Section: Exterior shall be .032 GA (minimum) smooth, flat aluminum panel. Interior shall be .050 GA (minimum) smooth, flat aluminum panel. Expanded polystyrene insulation core shall be R-10 (minimum). Overall thickness of entire wall section shall be 3".

### Ceiling & Roof

Ceiling: Interior ceiling shall be insulating core panel system providing smooth flat interior.

Roof: Constructed using galvanized steel (or aluminum) interlocking pan sections. Sections are able to support minimum of 40 psf live load. Roof drains into full perimeter fascia/gutter system. Standard full perimeter roof overhang is 4".

### Glazing/Windows

Windows: Fixed windows shall be single pane 1/8" (minimum) clear tempered safety glass. Sliding windows shall have aluminum frame and 1/8" (minimum) clear tempered safety glass, insect screen, and locking device.

### Doors

Door: Sliding aluminum door suspended from ceiling with top-mounted hangers, heavy steel axles, all steel ball bearings with nylon wheels. Mounting system to be comprised of heavy duty aluminum box track and brackets. Doors are to be fully weather-stripped and supplied with lock set with removable cylinder and hardware.

### Electrical and Lighting

Electrical: Electrical shall be wired according to N.E.C. Standards. Load center shall be a 125 amp, single phase, 120/240 volt unit with 8/16 open circuits. Wiring shall be within surface mounted conduit. One (1) surface mounted duplex receptacles shall be included within building interior.

Lighting: Lighting shall be a surface mounted dual bulb fluorescent lighting with wall switch (quantity of fixtures determined by building size).

*Note: Standard specifications listed above can be customized based on performance requirements.*