
PREFABRICATED STEEL BUILDINGS

General

Prefabricated building of steel construction. Length and width dimensions as required per application – with a 90" nominal outside height. Interior dimension from floor to ceiling shall be 81" - 82".

Frame

Frame Construction: Shall be welded structural steel construction. Structural components to be welded together at all intersections creating a unitized framework. Structural corners and uprights to be constructed of 2" x 2" (minimum) cold drawn mechanical tubing.

Base: Building to typically be constructed on a 4" mechanical steel tube frame with rust inhibitive bituminous coating.

Floor

Floor assembly to be comprised of 12 GA galvanized steel tread plate. Floor panel assembly shall fit tightly against wall panels and shall be fastened to bottom structural frame.

Walls

Wall Panels : Exterior shall be 14 GA cold rolled galvanized steel panels. Interior shall be 18 GA cold rolled galvanized steel panels. 1" rigid insulation board shall be R-10.5 (minimum). Overall thickness of entire wall section shall be 3".

Ceiling & Roof

Ceiling: Interior ceiling shall be insulated core panel system providing smooth flat interior, constructed from 20 GA galvanized steel.

Roof: Constructed using aluminum interlocking pan sections. Sections are able to support minimum of 40 psf live load. Roof drains into full perimeter 5" high extruded aluminum fascia/gutter system. Standard full perimeter roof overhang is 4".

Glazing/Windows

Windows: Fixed windows shall be single pane 1/8" clear tempered safety glass. Sliding windows shall have aluminum frame and 1/8" clear tempered safety glass, insect screen, and locking device. Glass shall be framed to building using steel / aluminum framing system with no exterior exposed fasteners.

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 & 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 conduit to be recessed inside wall panels. Two (2) 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).

Finish/Painting

Finish: All steel surfaces shall be painted with rust inhibitive acid based primer. All exposed interior and exterior steel surfaces painted with minimum one (1) undercoat and one (1) finish coat of automotive acrylic enamel paint with a photochemically reactive hardener. Finish is to be air dried. Choice of one (1) paint color as selected by Owner.

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