



CARR-BILT SPECIFICATIONS

NAME: STANDARD STORAGE BUILDING

MODEL: SSB-116240

SIZE: 11'-6" X 24'-0" X 8'-10"

Revised: August 2008



DESCRIPTION

The Carr-Bilt SSB-116240 precast concrete building is a multi-purpose storage building. The building exterior measures 11'-6" wide, 24'-0" long, and 8'-10" high. The inside dimensions are 11'-0" wide, 23'-6" long and 8'-0" high.

The building is manufactured utilizing panel type construction. Each wall, floor and roof is fabricated separately, and then assembled using mechanical connections. The building is caulked inside and out to provide a weatherproof structure.

The building is equipped with cast-in lifting connections located in the floor for handling and off-loading. Lifting connections remain in place for future relocation.

MINIMUM DESIGN LOADING

The building is designed to meet the following minimum loadings:

- A. Roof Live Load: 30 PSF
- B. Floor Live Load: 100 PSF
- C. Wall Wind Load: 103 MPH

Higher loadings are available as required by local building codes.

CODES AND STANDARDS

Carr-Bilt buildings are designed to meet or exceed the following codes and standards:

- 1.1 ACI-318-83 "Building Code Requirements for Reinforced Concrete"
- 1.2 ANSI "Building Code Requirements for Minimum Design Loads in Building and Other Structures"
- 1.3 Concrete Reinforcing Institute, "Manual of Standard Practice"
- 1.4 BOCA, "Building Officials and Code Administrators"
- 1.5 ICBO, "International Congress of Building Officials"
- 1.6 ASTM C33 "Concrete Aggregates"
- 1.7 PCI MNL 116 "Quality Control for Plants and Production of Precast/Pre-stressed Concrete Products"



FLOOR, ROOF AND WALLS

Carr-Bilt standard buildings have the following:

- A. 3" Wall thickness
- B. 6" Floor thickness
- C. 4" Roof thickness

MATERIALS

Raw materials for the reinforced concrete meet the following standards:

- 2.1.1 Portland Cement: ASTM C150, Type 1
- 2.1.2 Aggregates: ASTM C33 or C330
- 2.1.3 Water: Potable and free of deleterious substances
- 2.1.4 Admixtures:
 - a. Air-entraining: ASTM C260
 - b. Water reducing, retarding, accelerating, high range water reducing: ASTM C494
- 2.2 Compressive strength of concrete shall be a minimum of 4,000 PSI in 28 days unless other strengths are otherwise specified.
- 2.3 Reinforcing Bars: Deformed Billet-steel: ASTM A615
- 2.4 Welded Wire Fabric: ASTM A185
- 2.5 Connection Brackets: Steel to be of structural quality, hot-roll carbon: ASTM A36

DOORS AND FRAMES

Carr-Bilt buildings are supplied with doors and door frames that meet or exceed ANSI/SDI-100-1985 "Recommended Specifications for Standard Steel Doors and Frames".

Standard door hardware includes the following:

- A. 18 gauge, grade II heavy-duty metal door with polyurethane foam core
- B. 16 gauge door frame
- C. 2" drip cap
- D. Aluminum threshold
- E. Door sweep
- F. Stainless steel pull plate
- G. Three Stainless steel door hinges with non-removable hinge pins
- H. Falcon Heavy-duty dead bolt lock set

Other doors, frames and hardware can be provided as specified to meet code requirements.



VENTS

- A. Passive ventilation consists of two (2) aluminum vents with insect screens
- B. Power ventilation can be provided as required.

EXTERIOR FINISH

The standard exterior finish is an exposed Indiana Limestone finish. Broomed, barnwood, exposed riverstone, brick and many custom finishes are also available. A wide range of stain colors are available for matching specific requirements.

CAULKING

Carr-Bilt buildings are caulked both on the interior and exterior with the following:

- A. SikaFlex 1A

QUALITY CONTROL

Carr Concrete is certified by the National Precast Concrete Association [NPCA] and Precast/Prestressed Concrete Institute [PCI] Plant Certification Programs. Manufacturer should have 5 years minimum experience manufacturing buildings and be a Certified Plant prior to and during production of building.

SITE PREPARATION

To minimize the cost of site preparation, Carr-Bilt buildings are designed to be installed on a pad of crushed stone. The buildings can also be set on level footer foundations or slab type foundations if needed. Site preparation is the responsibility of the owner.

PREASSEMBLED AND RELOCATABLE

Standard procedures are for the completely assembled Carr-Bilt building to arrive at the jobsite on a tractor trailer. The building is then lifted from the trailer and set in place with a crane. Buildings are designed to be easily relocated at a later time if desired.

OPTIONAL FEATURES

At the customer's request, Carr Concrete can offer a complete building package with a variety of options available to customize a building. Items such as:

Electrical packages, Interior finishes, HVAC, Fire suppression systems, Alarm systems, Doors and windows, Interior / Exterior modifications and/or Design modifications.



WARRANTY

Carr Concrete shall provide a warranty against defects in material or workmanship for a period of ten (10) years on all concrete components manufactured at our Waverly, WV location. The warranty is valid only when concrete is used within the specified loadings. Furthermore, said warranty includes only the related material necessary for the construction and fabrication of said concrete components. If found defective, Carr Concrete will, at its option, repair or replace any concrete component of the building. Upon receipt and approval of the delivered building – troubleshooting, installation, repair and shipping are the responsibility of the end user, unless otherwise agreed upon in writing between Carr Concrete and end user.

Non-concrete components are defined as any item not manufactured by Carr Concrete and include, but are not limited to, the following categories: electrical equipment, interior finishing, flooring, air circulation, security or entry. Any non-concrete component found to be defective shall be covered by the manufacturer's standard warranty of said non-concrete component. All troubleshooting, installation, repair and shipping of non-concrete components are the responsibility of the end user.

