

CXT INCORPORATED  
SPOKANE, WASHINGTON

**SUGGESTIONS FOR INSTALLATION  
OF THE CHEYENNE MODEL**

**1.0 MEASUREMENTS**

**A. Building**

Floor Dimensions: 0'5" in height, 26'0" in width, 30'0" in length

Total Building: 12'0" in height, 29'0" in width, 33'0" in length

Total Weight: 195,000 lbs.

Each Section: 12'0" in height, 26'0" in width, 10'0" in length

Each Section Weight: 60,000 – 75,000 lbs.

**2.0 INSTALLATION**

**A. Placement**

The floor of the building should be the high spot of the chosen site.

Finished floor elevation should be 3-6 inches above the natural grade level with pathway slopes up to meet the entryway.

**B. Excavation and Compaction**

The base area for the building should extend beyond the floor by at least 6 inches in each direction. Excavation of the area must be large enough and deep enough to accommodate the base area. Water, sewer, electrical etc. lines need to be placed before base material is added and compacted. See drawings for placement of utilities. Compact the bottom of the area prior to placing base material. A *minimum* of 6 inches of a compacted  $\frac{3}{4}$ " minus angular gravel material (i.e. road base) should be used as the base material. The material should be placed level and compacted to support a minimum of 1500 pounds per square foot. The base must be confined to prevent washout erosion or any other undermining. This base will provide support, leveling and drainage. The base also limits frost action.

**C. Recommended Lifting Equipment**

CXT can provide a drawing of the recommended lifting/rigging arrangement. Crane of appropriate capacity to lift and place building onto designated site.

**D. Post-Tensioning and Connection**

Building section should be lifted into place as close as possible with out damaging the sections. Once sections are aligned run post-tension cables (provided) through the holes cast into the floor and roof. Use hydraulic post-tensioning device to cinch the building sections together. Pull on the cables evenly to insure building sections remains square. Leave cables at tension. Cut off excess cable length and grout over holes. Use backer rod and caulk provided to seal building sections.

**E. Utility Connection**

Mechanical drawings can be provided showing locations of stub up area and plumbing and electrical hook-ups.

**F. Access to Site**

Delivery to site is made on normal highway trucks and trailers. If at the time of delivery conditions of access are hazardous or unsuitable for truck and equipment due to weather, physical constraints, roadway width or grade, CXT may require an alternate site with better access provided to ensure a safe and quality installation. In any such case, additional costs for cranes, trucking etc. will be charged to the account of the customer.