

**HUMBOLDT COUNTY BUILDING DEPARTMENT  
PREMANUFACTURED STORAGE CONTAINER BUILDING HANDOUT  
PRIVATE USE ONLY/ACCESSORY BUILDING ONLY/SINGLE STORY IN HEIGHT  
(A BUILDING PERMIT IS REQUIRED BEFORE INSTALLATION)**

Portable Storage Containers or Cargo Containers include, but are not limited to Sea-Trains, Transportainers, Land-See Containers, Connex Boxes, PODS, or any other portable storage container designed and constructed as a standardized, reusable vessel intended to be loaded on a truck, rail car, or ship

1. Submit a site plan indicating location of all buildings and distance to property lines and other buildings.
2. You are required to comply with all zoning requirements and setbacks.
3. You are required to comply with the 2018 International Residential Code for residential lots.
4. Install a compacted pad constructed of road base or gravel which will provide 6" fall within the first 10' (IRC Section R401.3)
5. Recommend setting the container on well-drained area or pressure treated or rot resistant lumber or concrete support system.
6. Submit the size of the container.
7. If the container is light a tie down system may be required.
8. If of a large size exiting requirements will be required.
9. Electrical installations require a permit and must meet 2017 National Electric Code requirements.
10. An inspection is required on container, foundation and roof.
11. All commercial requirements apply if used in a commercial application. See commercial guidelines.

**MINIMUM REQUIREMENTS FOR SUPPORTING ROOF ON SHIPPING CONTAINERS**

Foundations

1. Minimum of 24"x24" pier footings on each corner if installing roof only over container.
2. Continuous footing and stemwall to frost depth might be required if end walls with wood framing are constructed between the two boxes.
3. If removing portions of sidewalls mid-span support (24"x24" pier footing with post) is required.
4. Anchoring to foundation -Minimum 5/8"x14" (J) anchor bolt with .229x3"x3" plate washer in each corner into foundation.

Openings

Maximum sidewall opening - 60% of container length. May be larger with engineering.

Attaching Trusses/Rafters to Containers

The top edge of the connex box does not offer a smooth surface to attach trusses/rafters. Bolt a 2"x6" directly to the very upper part of the sidewalls with ¼ thru bolts 24" o.c. The lumber should butt up against the topside rail. Place a 2"x6: top plate resting on the 2"x6" below and edge of the container. Trusses/rafters shall be attached to top plate with rafter/truss clips.

Plans are required for conventionally framed roof. If using trusses submit Nevada wet stamped engineered design.

**NOTE: THIS HANDOUT IS FOR CONTAINERS USED FOR STORAGE BUILDING. IF THE CONTAINER IS GOING TO BE CONVERTED TO A RESIDENCE NV ENGINEERED STAMP DRAWINGS ARE REQUIRED TO BE SUBMITTED TO THIS DEPARTMENT.**

