

## Suspended Ceiling Support Instructions

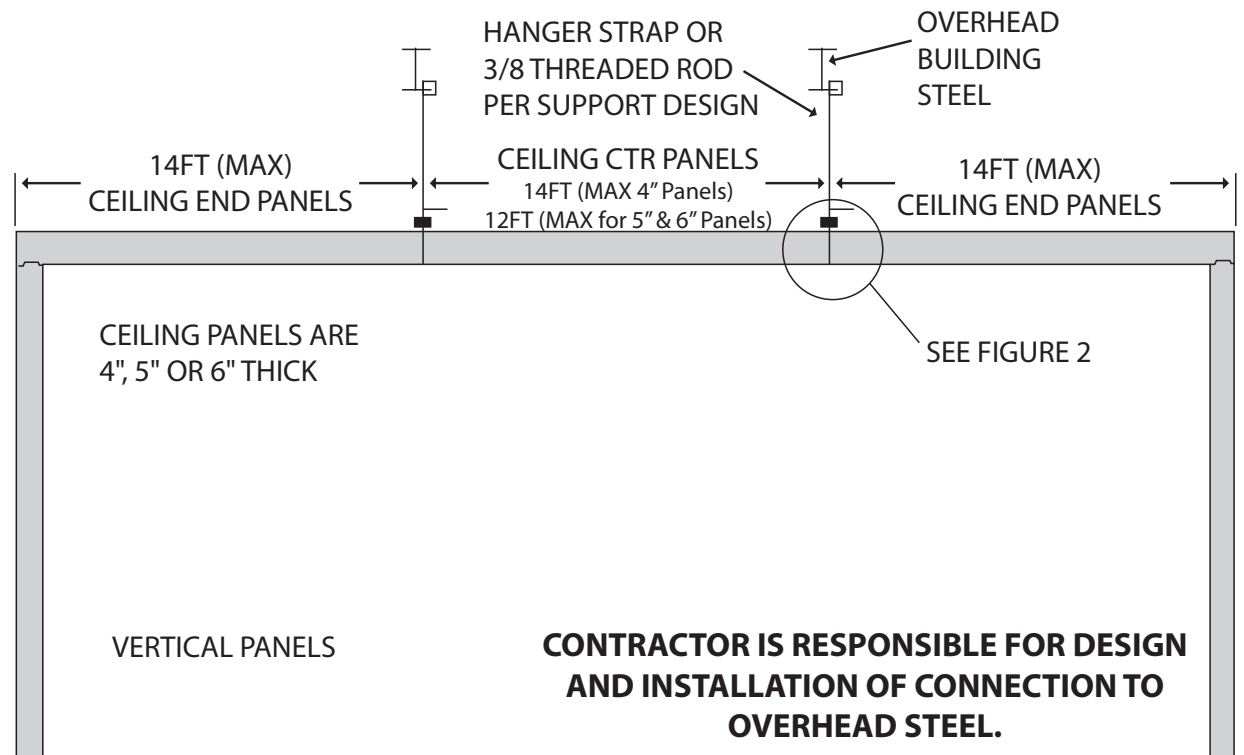
Support ceiling panels of refrigerated buildings from existing building steel. This method is to be used **Indoors only**.

Ceiling panel hanger Piece-A, shown in Figure 3, must be spaced every 23" at each ceiling panel Speed-Lok and must be secured with 3/8" bolts to the 1/4" x 3 1/2" x 3 1/2" Piece-B angles. This assembly must be supported with rods or hanger straps to overhead steel. Maximum spacing between rods or straps is 10ft with a minimum of 2 rods per hanger assembly length.

**IMPORTANT:** The maximum length of ceiling end or center panels is 14ft. for 4" panels. See Figure 1. (Note: On 5" and 6" panels the maximum length is 12ft.)

This type of support is designed to support ceiling panels only with limited installation personnel foot traffic. Installation personnel walking on ceilings must be kept to an absolute minimum. During the construction process, safety harnesses and fall protection gear must be used. Failure to deploy the proper safety equipment will likely lead to serious injury or death.

Storage of merchandise on top of structure is not permitted. Ceiling loads and structural characteristics do not account for ancillary product loads to be stored on top of ceiling panels. Equipment and active equipment access routes or cat-walks must be supported independent of the ceiling panels.



*Note: It is important NEVER to walk on top of a Bally ceiling that is not supported by interior steel or other temporary structural supports. Failure to support ceiling will cause joint failure and likely cause serious injury or death.*

FIGURE 2

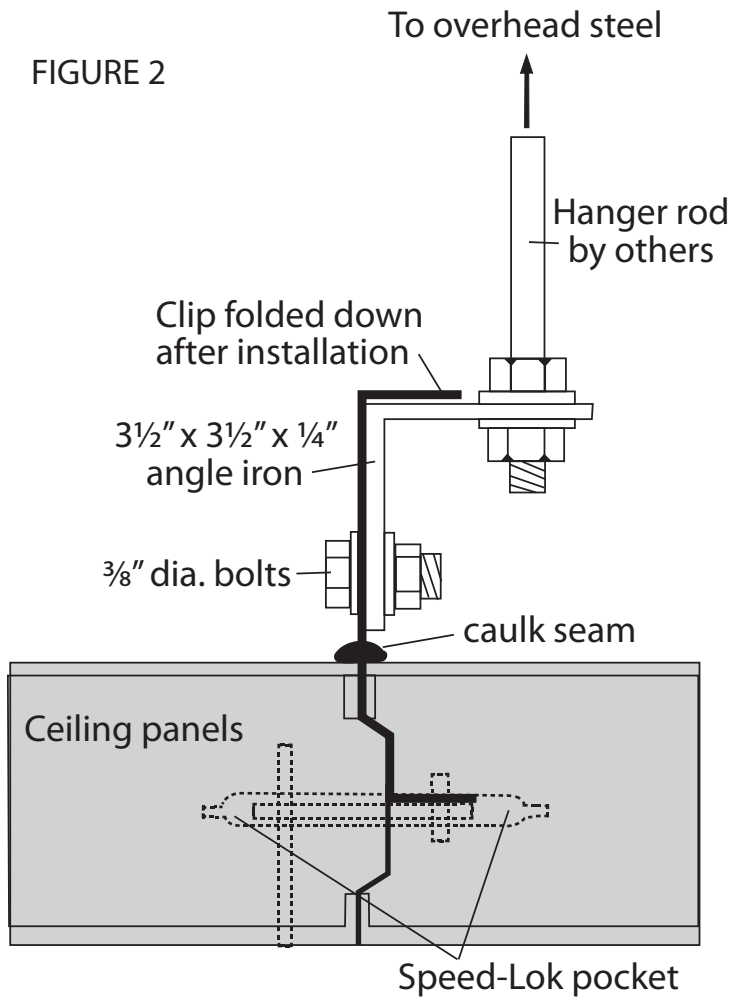
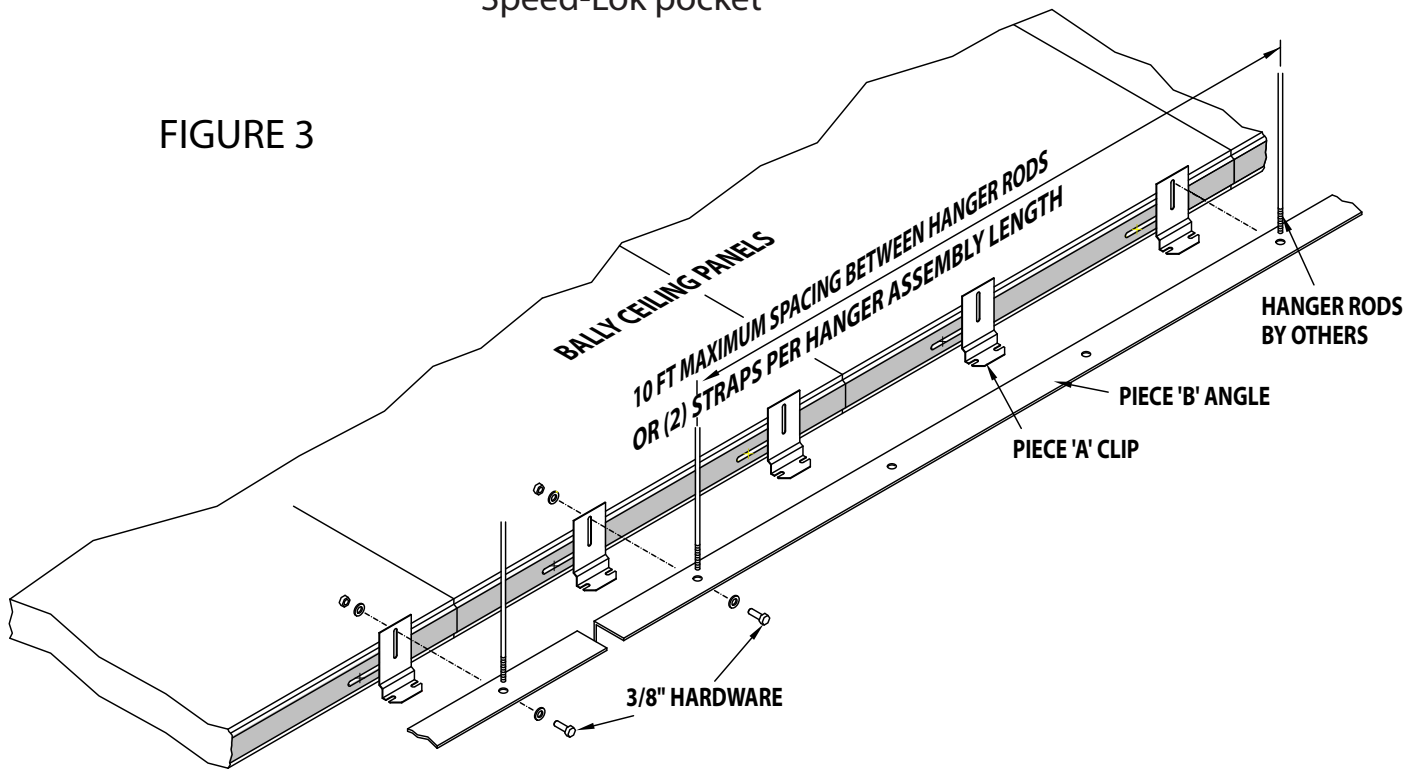


FIGURE 3



*Note: It is important NEVER to walk on top of a Bally ceiling that is not supported by interior steel or other temporary structural supports. Failure to support ceiling will cause joint failure and likely cause serious injury or death.*

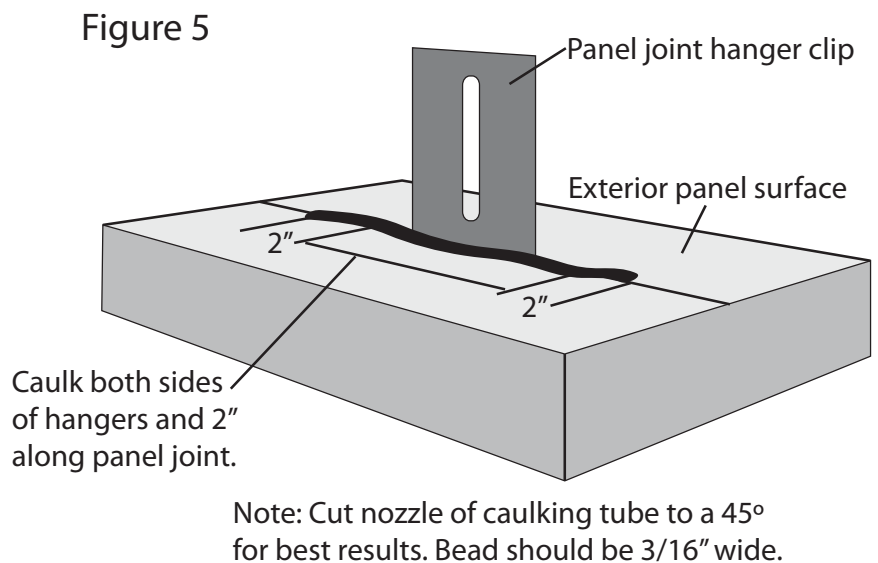
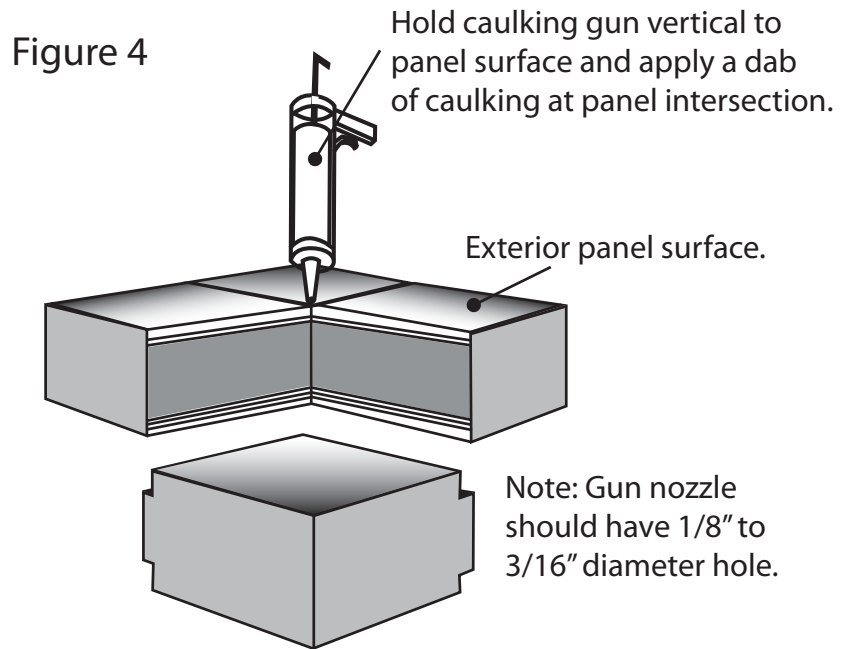
## Preventing Vapor Leaks

A. Modular insulated panels are square and dimensionally accurate so that in most installations they will seal effectively against vapor leaks. However in some cooler applications, minor vapor leaks may occur. The leaks can occur if the panels follow slab variations or if the building in which the structure is installed settles. If the internal temperature is cycled periodically, the expansion and contraction of building materials will cause enough movement to allow some vapor penetration. The result of these conditions may result in some vapor condensation and cause some joints to drip.

B. Unfortunately, internal dripping does not always occur directly across from the vapor leak which can make locating a leak troublesome. In order to avoid time-consuming search procedures, caulk the exterior junction of all three or four panel joints. See Figure 4. Most leaks caused by settlement will be at these points.

C. All wall penetrations must be sealed. This includes any protruding clips or hangers installed in panels joints. See Figure 5.

D. Use either industrial-grade or silicone caulking. When silicone is used, sealed areas must be cut opened whenever the panels are to be disassembled for relocation or enlargement.



*Note: It is important NEVER to walk on top of a Bally ceiling that is not supported by interior steel or other temporary structural supports. Failure to support ceiling will cause joint failure and likely cause serious injury or death.*