12" long strut
16" long strut
20" long strut

Specification and Data Sheet

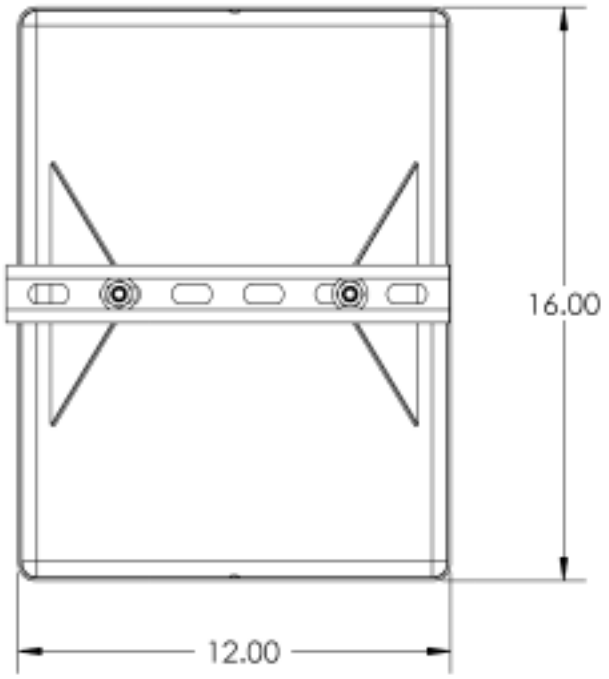
Model Nos. 12, 16 and 20 Base Strut-7
Model Nos. 16 and 20 Base Strut-12

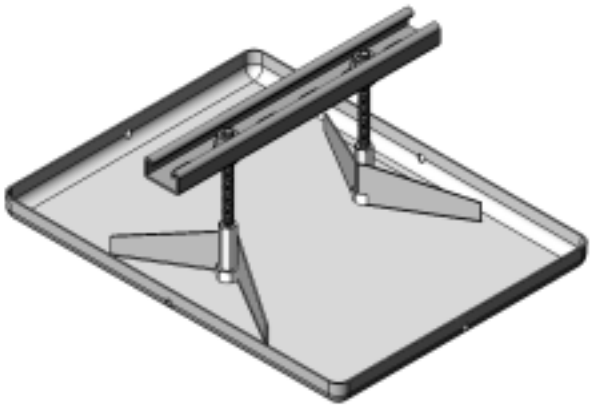
(Numbers 12, 16 and 20 designate length of strut on support)

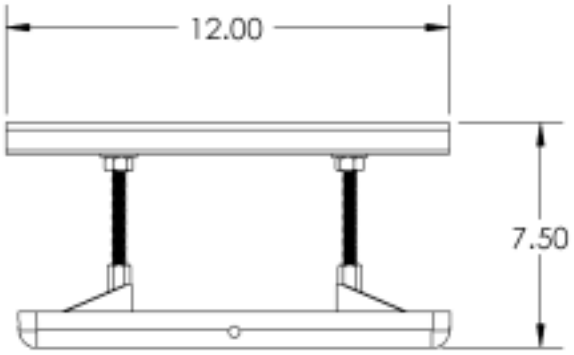
1. **Product Name:** PILLOW BLOCK PIPESTAND MODELS 12, 16 and 20-Base Strut.
2. **Manufacturer**: MIRO INDUSTRIES, INC., 2700 South 900 West, Salt Lake City, Utah 84119 Phone (800) 768-6978 Fax (800) 440-7958
3. **Product Description**: A pipestand with a strut and clamp pipe support system used for ganging roof mounted gas pipes, electrical conduit, solar piping and other mechanical piping. Unique design absorbs thermal expansion and contraction of pipes thus preventing damage to the roof membrane. Pipes rest on a 12"or 16" length of strut which is mounted on the base. The pipes can then be fastened by using typical clamps locked to the strut. The pipe support base is made of stainless steel, hot-dip galvanized steel, or polycarbonate resin; and the strut is made of hot-dip galvanized steel.
4. **Product Performance**: As daytime temperatures warm the roof membrane and the mechanical pipe network found on the roof, the pipe network expands and moves over the roof. When the roofing membrane and pipe network cools, the process is reversed. With a difference of 20 degrees F. between nighttime and daytime temperatures, 100 ft. of 1" steel pipe may move as much as .25 inches per day. The base to which the strut and supported pipe are affixed is gently rounded to allow movement upon the roof to prevent gouging the roof membrane. The base strut allows for movement without damaging the roof membrane.
5. **Compatibility**: Pillow Block Pipestands are recommended for use on and are compatible with all current types of decking and with all commonly used built-up and single-ply roofing membranes where roof-mounted pipes occur.
6. **Load Weight**: Maximum load weight not to exceed 150 lbs. per steel pipestand, and 125 lbs. per 16-Base Strut-7 and 16-Base Strut-12 and 250 lbs. per 20-Base Strut-7 and 20-Base Strut-12.
7. **Composition and Materials**: The pipestand consists of two major components: (1) A one-piece stainless steel, hot-dip galvanized steel or polycarbonate resin support base, and (2) a single or double 12", 16" or 20" piece of galvanized, steel, strut connected with stainless steel all thread to each base. Carbon black is added to the polycarbonate resin for UV resistance and protection.
8. **Size**: The Pillow Block Pipestand Base Strut Models (Adjustable Height) are made as follows:

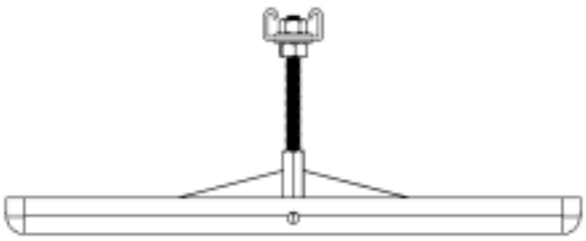
   Polycarbonate:
   16-Base Strut-7: The deck base is 9" by 15.25", has a maximum bar length of 16", and can adjust in height from a low of 4" to a high of 7.5" in elevation above the roof membrane. The 16-Base Strut-12" has a deck base of 9" by 15.25" and is adjustable up to 12".
   20-Base Strut-7: The deck base is 16" by 18", has a maximum bar length of 20", and can adjust in height from a low of 4.5" to a high of 7.5" in elevation from bottom of pipe support. The 20-Base Strut-12" has a deck base of 16" by 18" and is adjustable up to 12".
   Steel:
   12-Base Strut-7: The deck base is 12" by 16" , has a maximum bar length of 12", and can adjust in height from a low of 3.5" to a high of 7.5" in elevation from bottom of pipe support.
   16-Base Strut-7: The deck base is 12" by 16" , has a maximum bar length of 16", and can adjust in height from a low of 3.5" to a high of 7.5" in elevation from bottom of pipe support.
9. **Installation**: (1) Center the pipestand beneath the pipe so that the strut is squarely over or under all lines of pipe. If more than one pipe is being supported, adjust for even distribution of weight. (2) Adjust the pipestand to the desired height and even load with other pipestands. Make certain the strut bar is level. (3) Set the pipe in the pipestand without dropping or causing undue impact. If desired, an additional sheet of roofing material, a traffic pad, or a MIRO Deck Plate can be installed beneath the pipestand. For built up roofs, all loose aggregate from an area 20" square should be removed from the area directly beneath the pipestand and then follow the installation directions set forth above. Care should be taken to install each pipestand so it supports a proportional and equal amount of weight.

   OPTIONAL METHOD OF INSTALLATION (Not Recommended): Where code requires or as desired, the pipestands may be attached to the roof by appropriate and compatible rooftop fasteners through holes then drilled in the bottom of the pipestand pitchpan at the time of installation.
10. **Spacing**: Manufacturer's recommended spacing should not exceed 10 foot centers depending upon the load. Do not exceed load weights designated above and make certain each pipestand is adjusted to even load at each pipestand throughout the roof system.
11. **Availability**: Pillow Block Pipestands are marketed throughout the United States through representatives and distributors.
12. **Maintenance**: Normally maintenance is not required. Semi-annual inspection is required to check pipestand position and set pipe alignment, weight distribution and improper installation which may cause pipestand damage or failure.
13. **Technical Services:** Please call MIRO INDUSTRIES, INC.: (800) 768-6978.
    www.miroind.com for technical information and for graphic and for CAD drawing downloads.

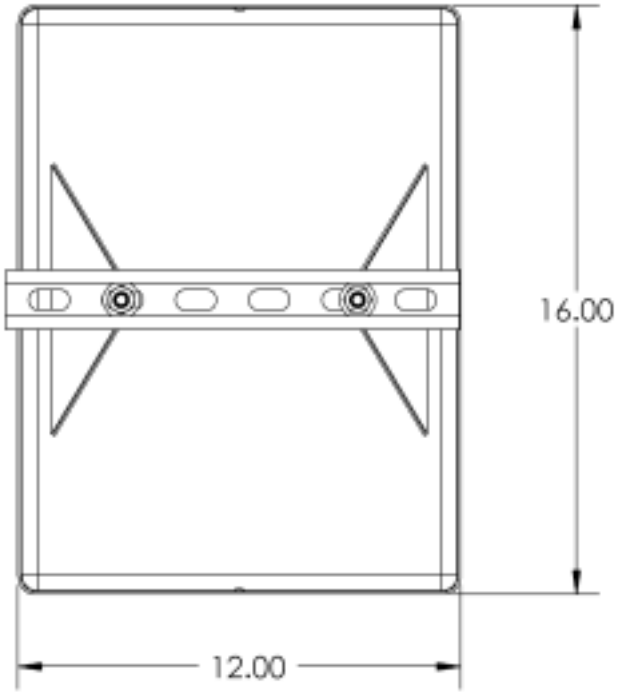


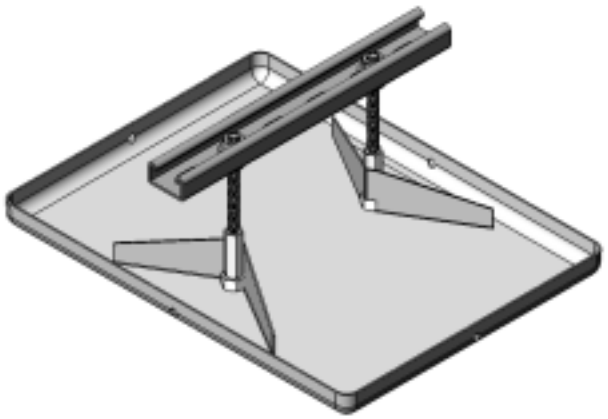


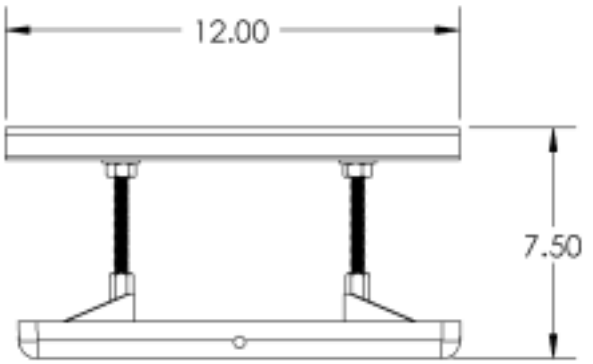


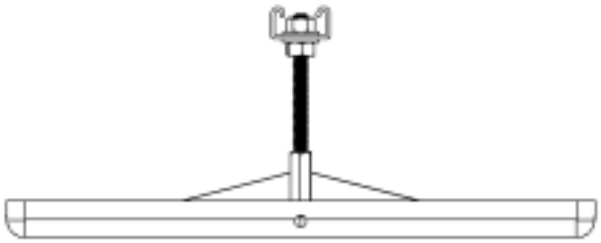


12-Base Strut-7 SS









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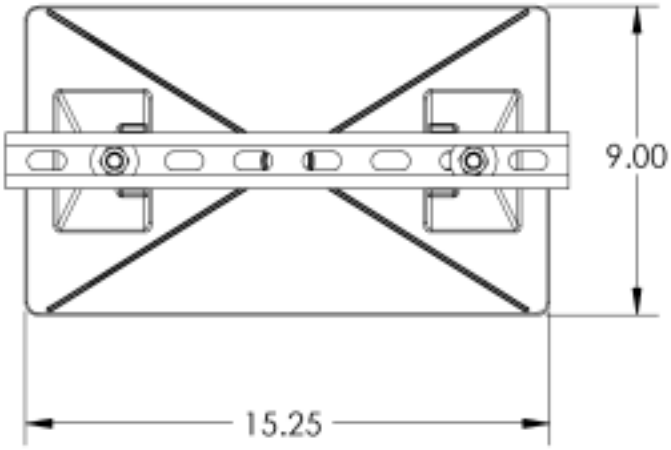

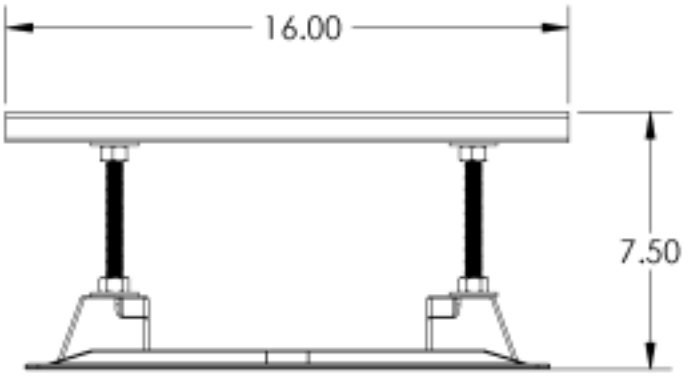

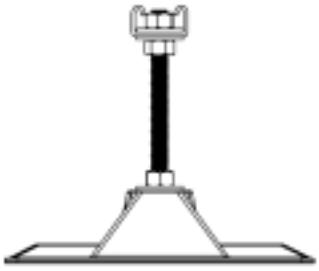

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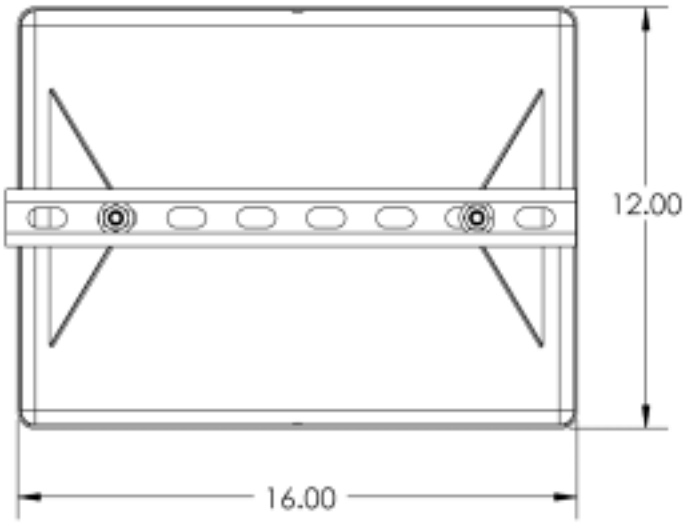
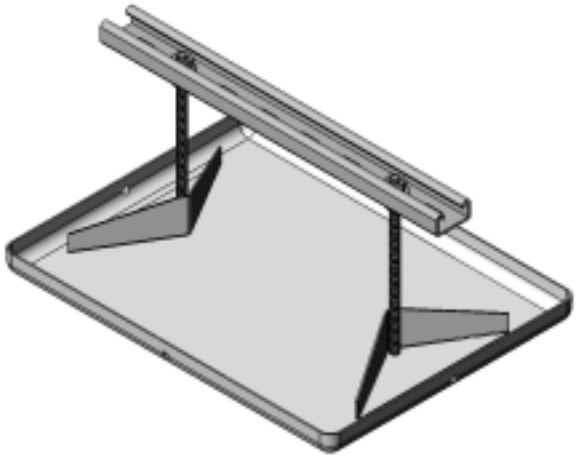
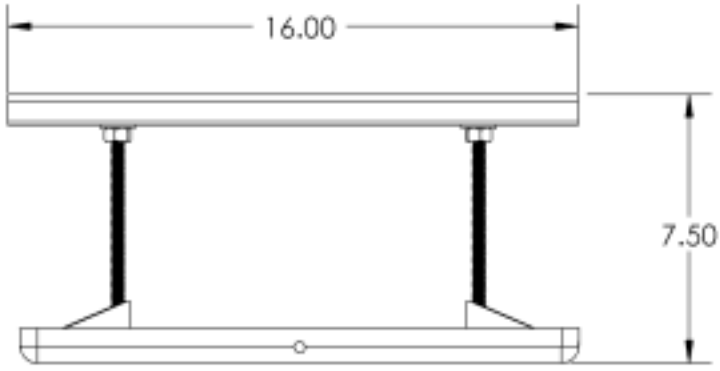
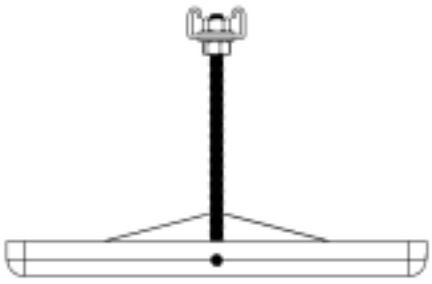
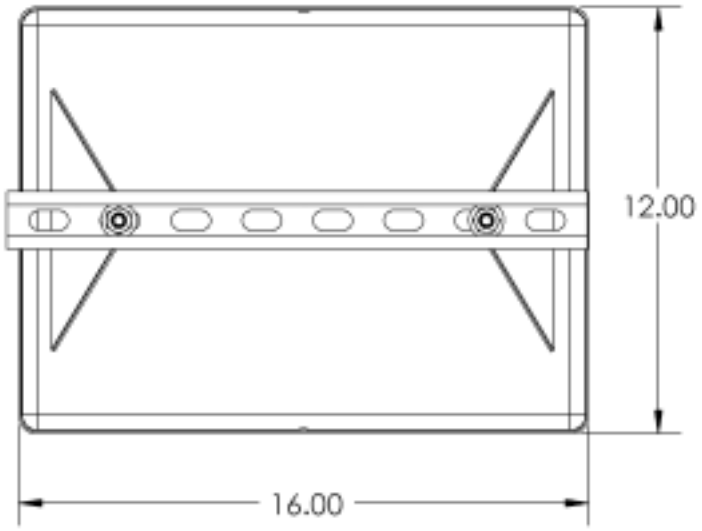


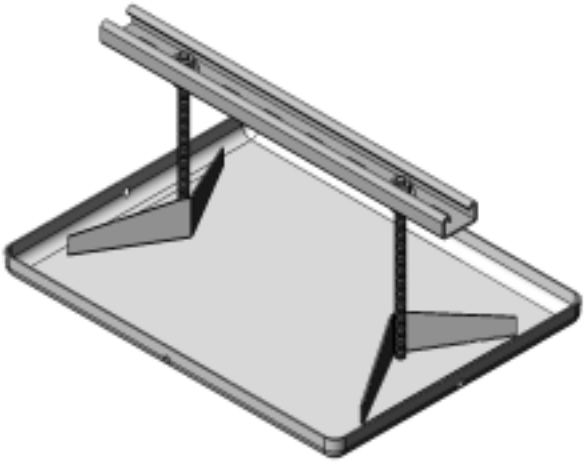


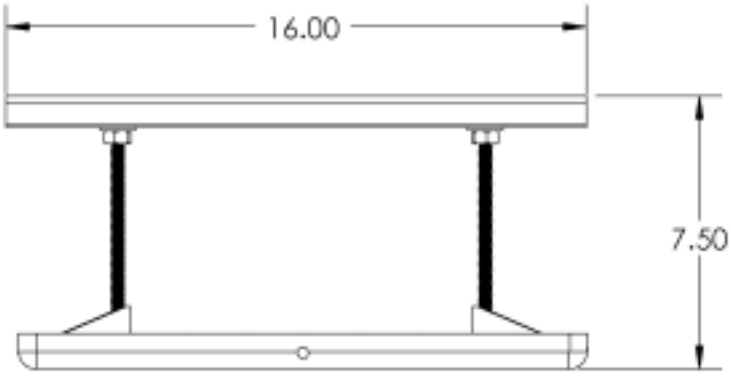


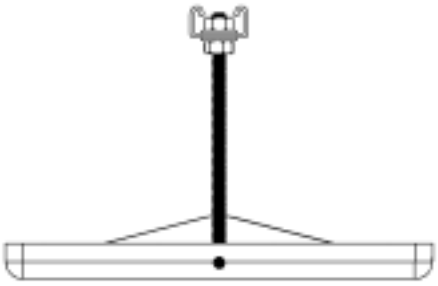


16-Base Strut-7 SS

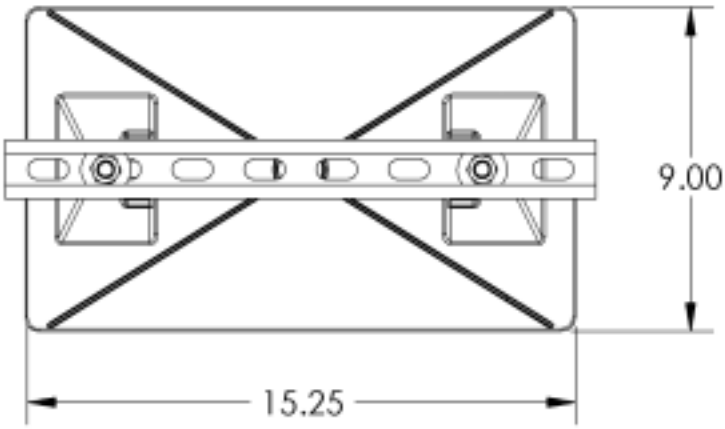


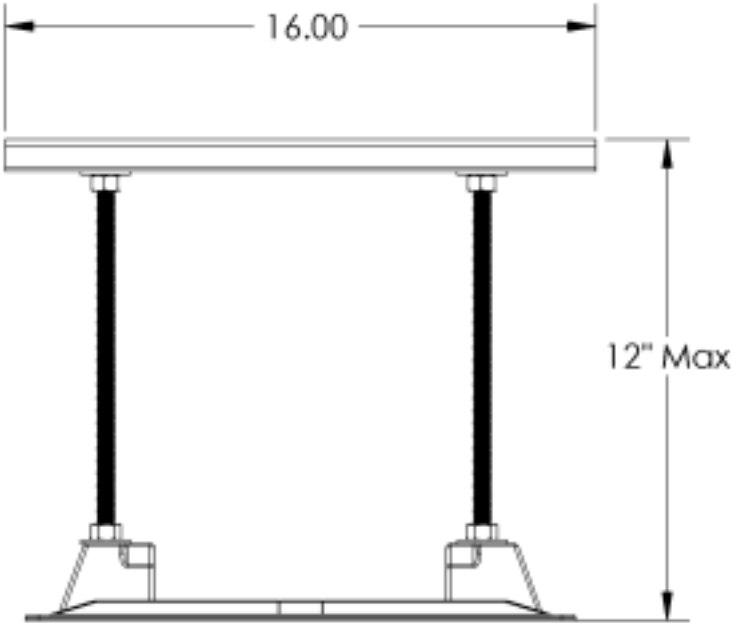


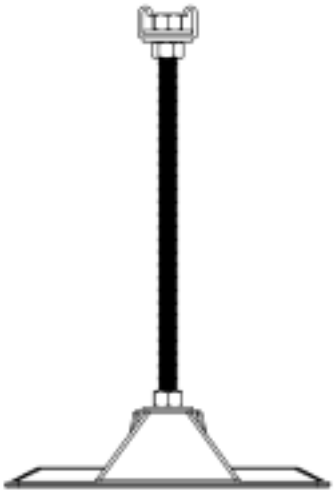




16-Base Strut-7 HDG







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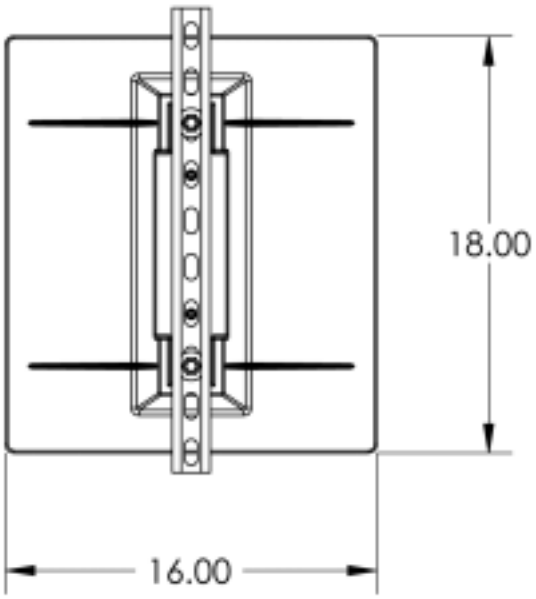
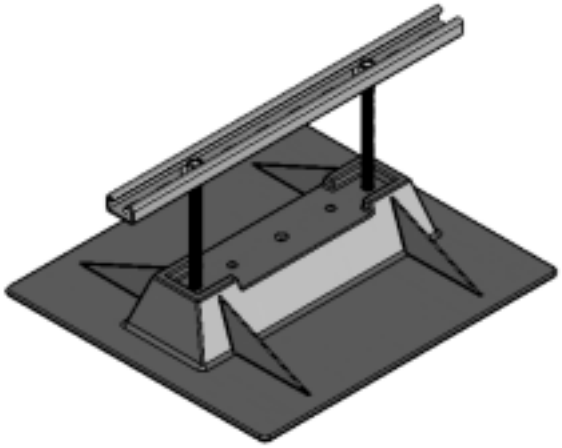
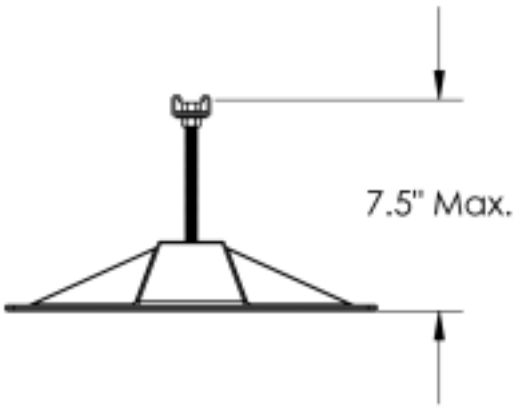
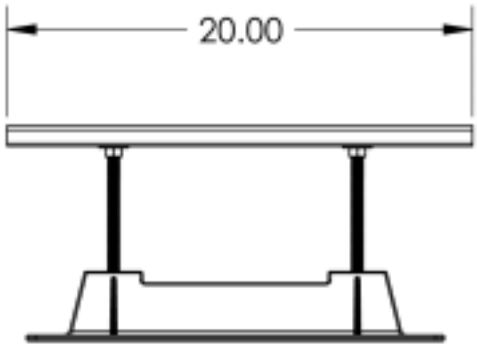
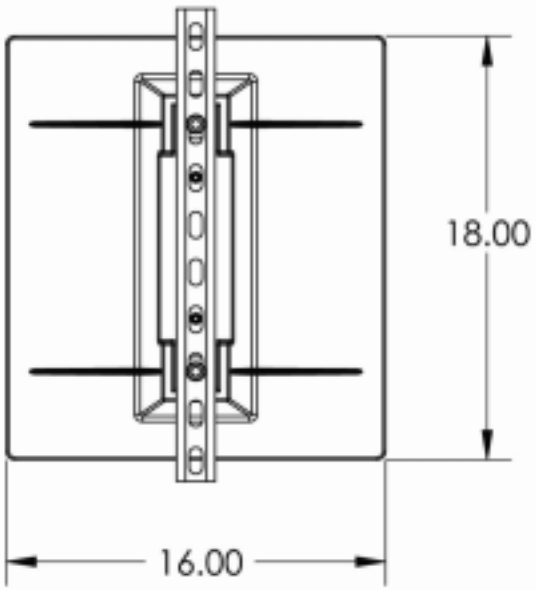


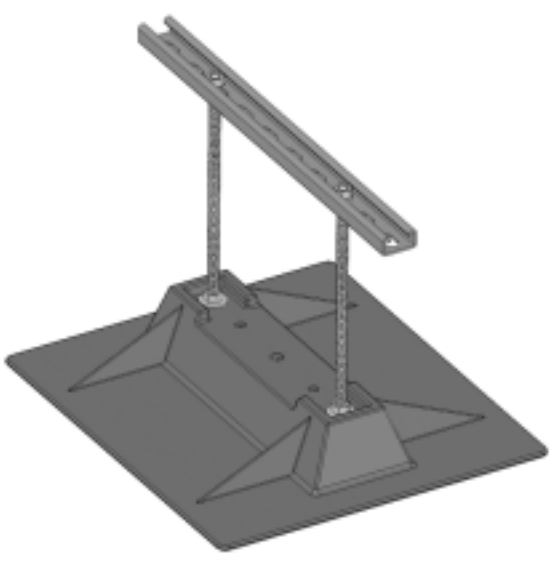


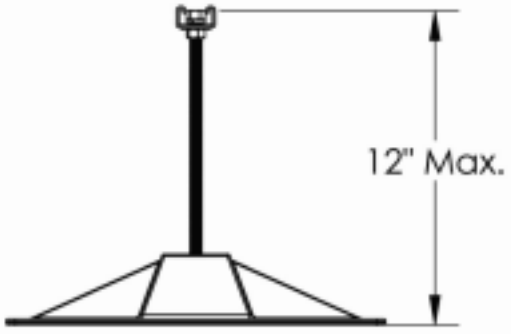


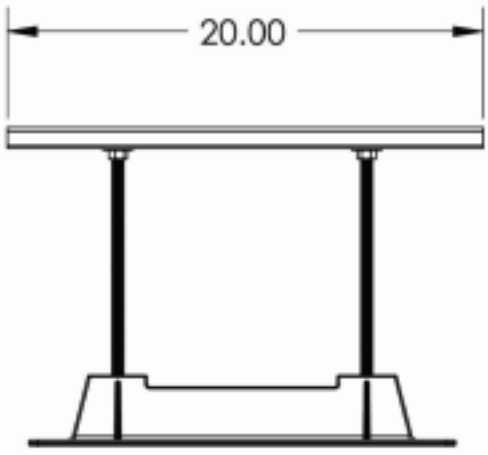


20-Base Strut-7









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