

ShadeFlex® Cloud Track & Canopy Installation Guide

Read this guide and review shop drawings and notes before beginning installation.

All packages should be opened and inspected for hidden damage upon receipt. Repackage all components and carefully store in an area protected from the weather until ready for installation. Handle materials so as to protect materials, coatings, fabric, and finishes during transportation and installation to prevent damage or staining.

It is the responsibility of the installer to meet or exceed all code and safety requirements, and to obtain all required building permits. These instructions are only a guide, and may not address every circumstance. The installer should determine and implement appropriate installation techniques for each situation. Structureworks shall not be held liable for improper or unsafe installations.

Recommended Tools

- Pencil
- 8' Ladder (2)
- 1/8" Allen Wrench
- Tape Measure
- Phillips Screwdriver
- Drill / Impact Driver
- Drill Bits
- Phillips Bit

Use and Maintenance

Do not operate in rain or high winds.

Inspect annually for wear and tighten or replace parts as needed.

To reduce dirt buildup, remove canopies and rinse fabric with a hose. Do not use a power washer. Allow fabric to dry before retracting.

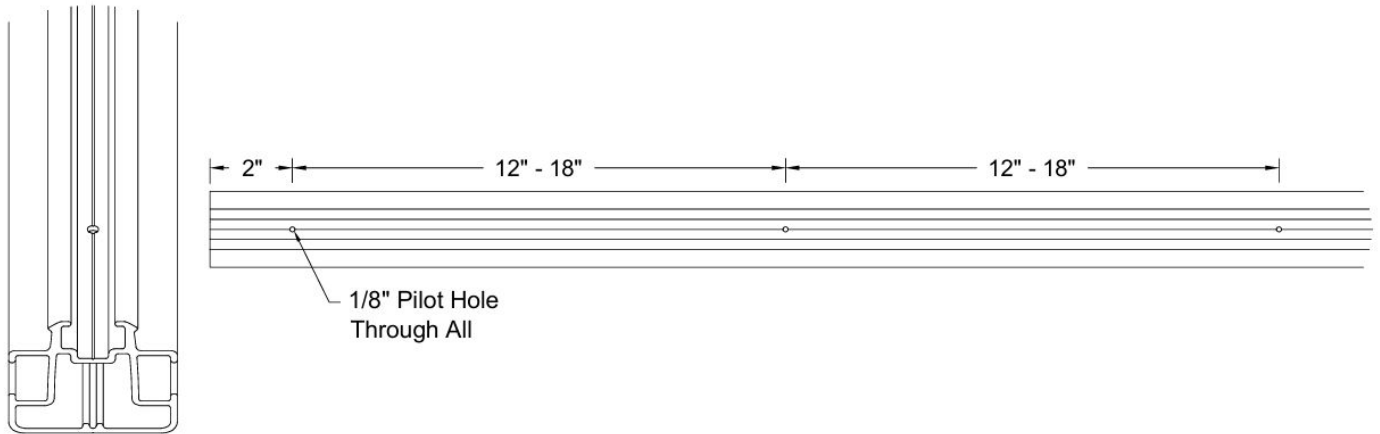
Apply ShadeFlex track cleaner regularly to keep rollers operating smoothly.

Use ShadeFlex fabric cleaner to clean heavy dirt or stains, and apply ShadeFlex canopy water repellent to protect the fabric from mildew and environmental damage.

If canopies will not be used for an extended period, they can be retracted and secured with a ShadeGuard. During winter months it is advised to remove and store the canopy. To remove the canopies, loosen the WindLock set screws at the retracted end and remove the plate. Then, loosen the set screws on the roller lock pins and remove all crossmembers. Store the canopy in a dry, protected location.

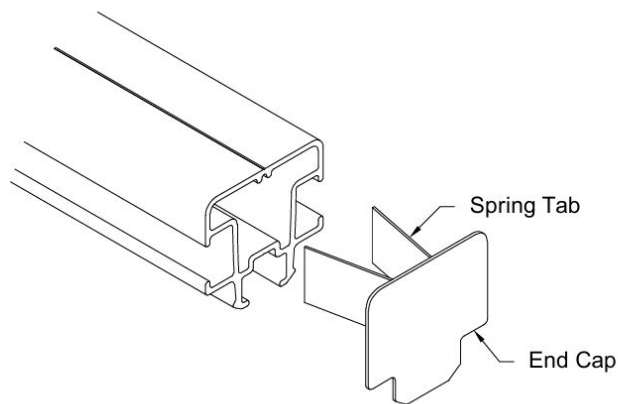
Prepare Track

Starting 2" from the track end, pre-drill holes every 12" - 18" using an 1/8" drill bit. If the track will be installed perpendicular to the rafters, match the hole spacing to the rafter spacing. If the track needs to be shortened, use a miter saw with a fine-tooth blade. After cutting, remove any burrs.



Install Track End Cap

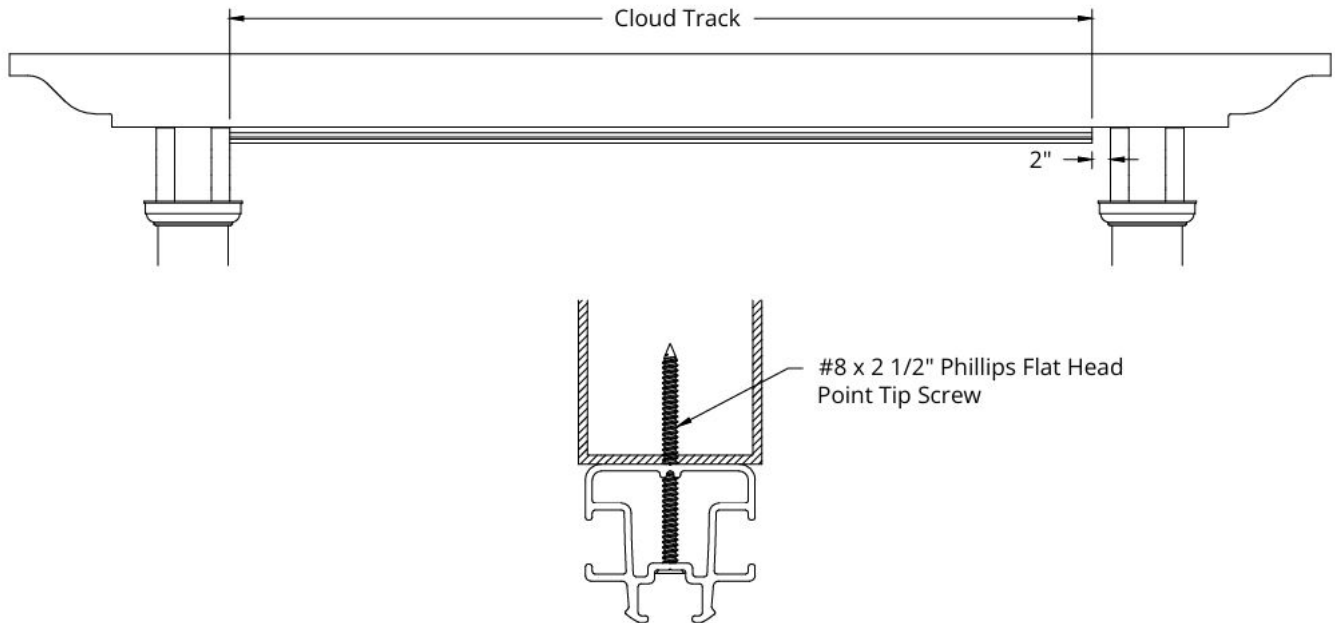
Insert an end cap into the front end of each track by compressing the spring tab slightly and inserting it into the track . Do not install an end cap on the back end of the track at this time.



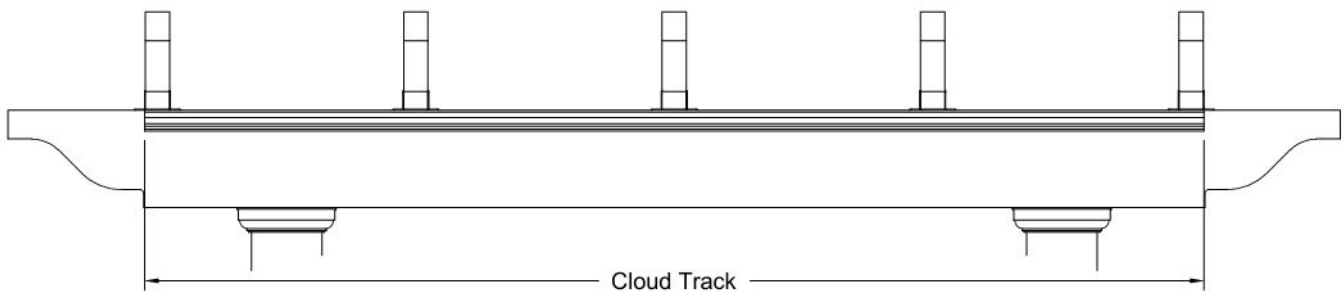
Install Track

Secure the track to the mounting surface using the provided screws. Ensure the track is level and that the track center to center dimension matches what is shown in the shop drawings along the entire length of the track.

For tracks installed along rafters, ensure there is a minimum 2" gap on one side of the structure to allow for canopy installation. If attaching the track to a surface other than wood, the provided screws will vary from what's shown below.

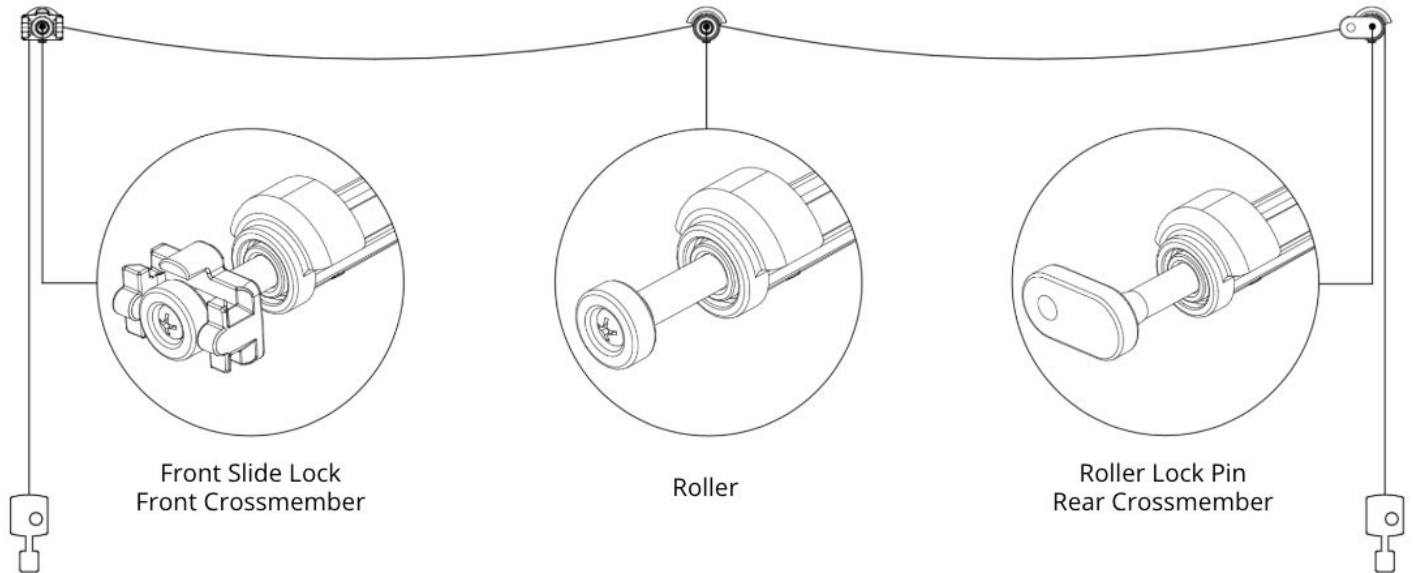


For tracks installed perpendicular to the rafters, secure with screws at each rafter location along the length of the track. Ensure the track is not mounted flush against either side. Maintain a minimum offset of 2" from the center of the track to each side.



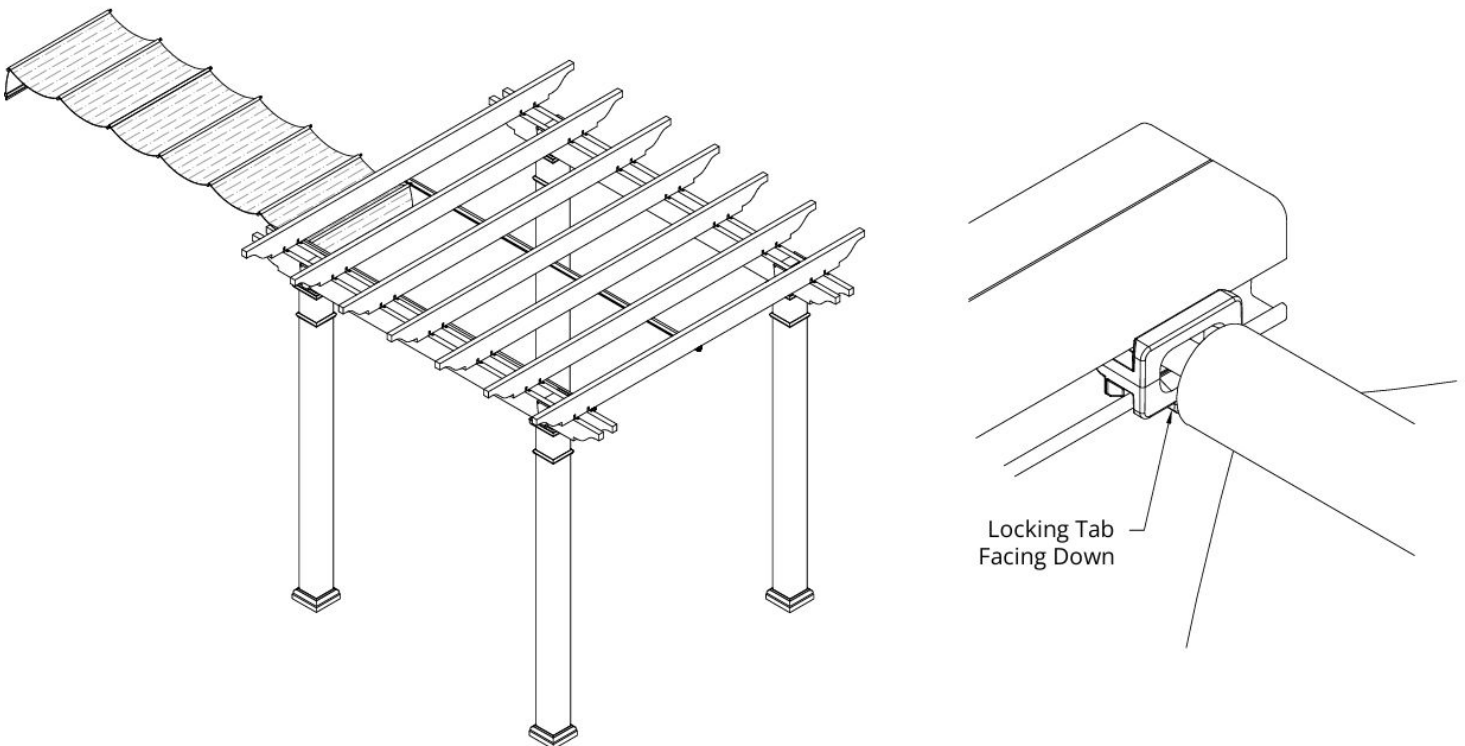
Install Canopy

Determine the correct orientation of the canopy by identifying the front slide lock and the roller lock pin. For attached configurations, the roller lock pin will be located on the wall side. For freestanding configurations, the roller lock pin will be located on the side where the fabric will collect when retracted. Additionally, ensure the PVC side of the crossmember faces upward and the aluminum side faces downward.



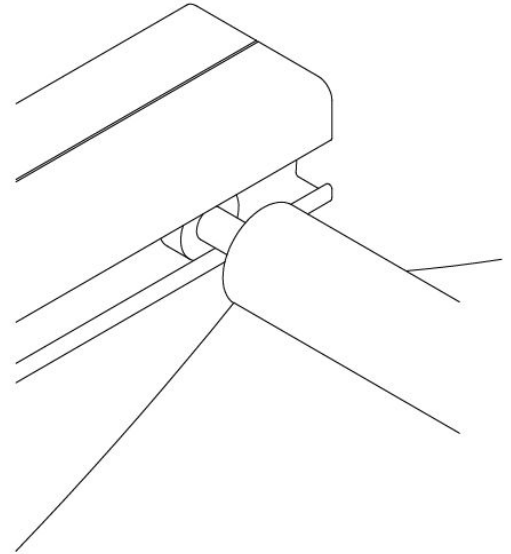
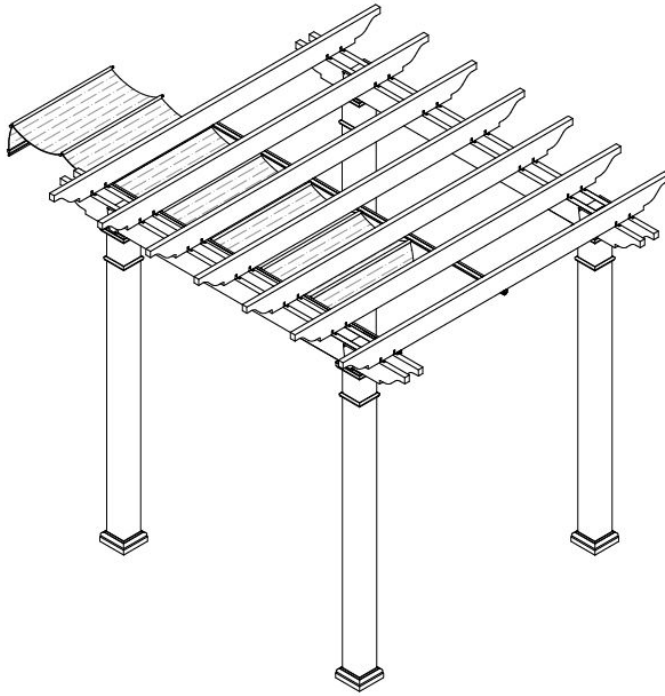
Install Front Slide Lock Crossmember

Begin installation at the rear of the structure with the crossmember containing the front slide lock. Insert the first crossmember into both tracks simultaneously with the locking tab facing downward.



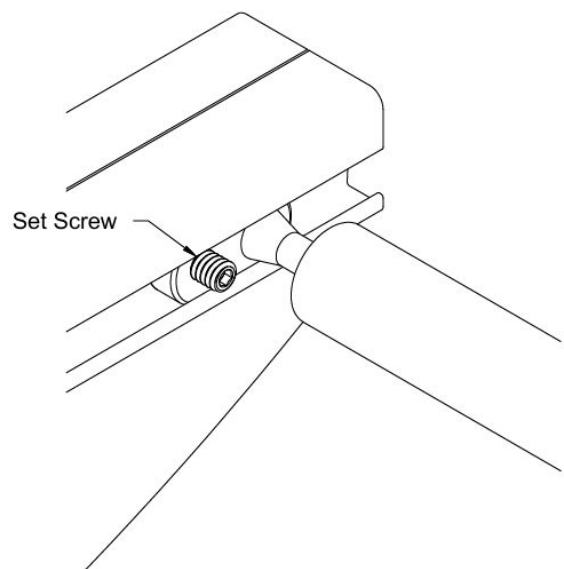
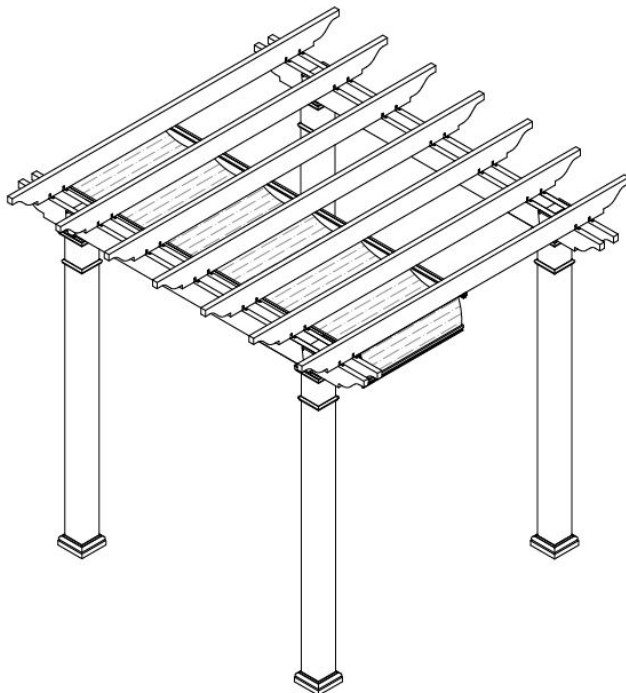
Install Mid Crossmembers

Next, install mid crossmembers into both tracks at the same time.



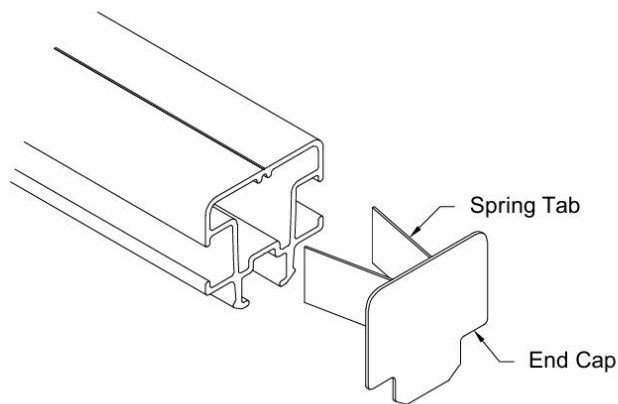
Install Roller Lock Pin Crossmember

Finally, install the last crossmember into the tracks. The roller lock pin should face towards the front of the canopy. Position this final crossmember at the desired stopping point for the canopy, measuring from a fixed reference point to ensure consistent placement across all canopies. Once positioned, tighten the roller lock pin set screw.



Install Track End Cap

Insert the remaining end caps at the rear of each track.

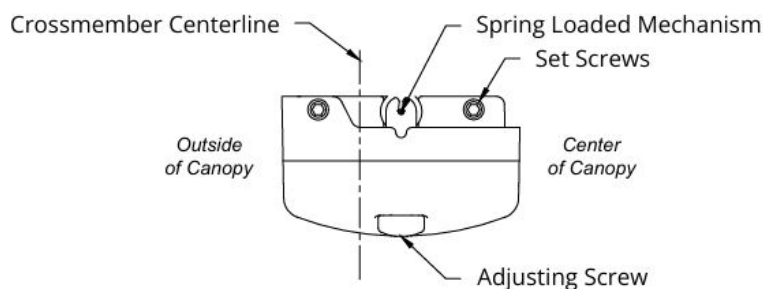
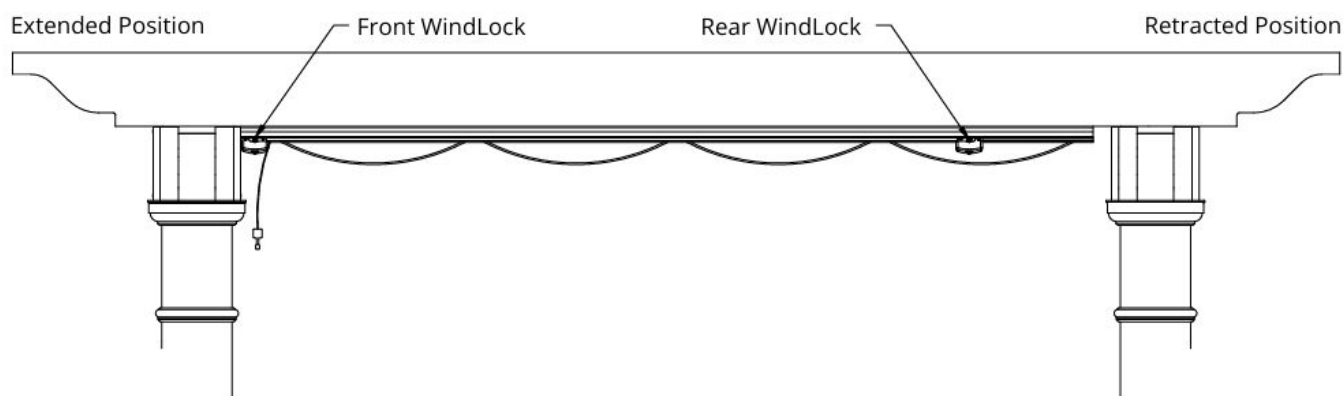


Install WindLocks

Position a WindLock at the end of the track where the canopy will be in the extended position as shown below. Secure the WindLock to the rafter track by tightening all four set screws.

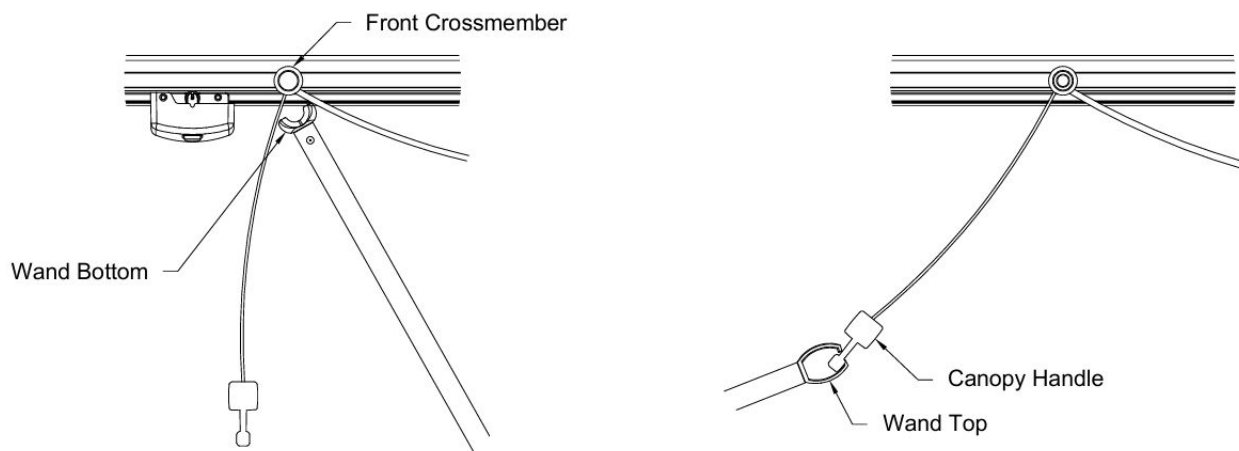
Next, fully retract the canopy and mark the centerline of the first crossmember that contains the front slide locks on the rafter track. Position a second WindLock on the rafter track as shown below. Align this WindLock so the mark is centered between the set screw and the spring-loaded mechanism, just as before. Tighten all four set screws with an Allen wrench to secure it in place.

Tighten or loosen the adjusting screw on the WindLock to set the desired spring tension. The WindLocks are designed to release the fabric during inclement weather. Avoid over tightening the adjusting screw.



Canopy Wand

To operate the canopy, use the canopy wand. To engage or disengage the front crossmember from the WindLocks, use the bottom of the wand to push the front crossmember. To extend or retract the canopy, use the top of the wand to pull the canopy handle.



Store using the wand mount and appropriate mounting screws based on the installation surface.

