

Aluminum Trusses & Shade Cloth

Installation Instructions

STEP "A"

- Identify the truss mounting brackets and mark their positions on the fascia or wall to line up perpendicularly and square with the fence post on which other end of the truss will be mounted.
- Hold the truss mounting bracket, with the pitch adjusting holes at the top, up to the wall or fascia and mark the position of the two holes provided for mounting this bracket.
- Drill the two holes and fasten the bracket to the wall or fascia.
- Mount the other bracket to the wall or fascia in the same manner, taking care that they are level and plumb.

STEP "B"

- Hold a mounting bracket, with the pitch adjusting holes at the bottom, against the fence post with the top of the bracket approx. 1" below the upper most part of the fence wire or top rail of the fence. Mark the mounting holes on the fence. Drill the holes and mount the bracket. Repeat on the other fence posts that are lined up with the wall mounting brackets. (3/8" x 4-1/2" bolt)

STEP "C"

- Hold one of the trusses into position in the wall bracket, lining up the bottom hole with the center of the bottom member of the truss.
NOTE: The end of the truss should be 1/2 - 1" from the back of the bracket.
- Drill a hole at that position and fasten the truss to the wall bracket at that point with the proper fastener. (3/8" x 2" bolt)

STEP "D"

- Hold the opposite end of the truss up to the fence post and mark the proper length to which the truss must be cut.
- Using a hand hack saw or portable band saw, cut the truss to the proper length. Boxed end is to be trimmed and installed in fence mounting bracket.

STEP "C" & "D"

- **NOTE:** After measuring the distance between the wall or fascia and the fence post, the other trusses can be cut to length.
- Fit truss inside mounting brackets, drill holes in truss through the pre-punched holes in the mounting bracket. Fasten truss to bracket. There should be a minimum of one bolt at the top and bottom of each end of the truss.

STEP "E"

- After fastening each truss into place at the wall and fence post mounting positions, the cross

bracing between trusses should now be installed. The cross bracing attaches to the top and bottom of the side brackets, centered from wall out to the fence. (3/8" x 3" bolt)

- NOTE: The cross bracing attaches perpendicular to the truss at the top and bottom positions on the angled bracket that is welded onto the truss, centered from the wall out.
- Depending on the distance between the trusses, the cross bracing will have to be cut to the different lengths. (3/8" x 3" bolt)

STEP "F"

- Hold the bracing into place at top and bottom of these brackets. Mark the length to be cut, drill holes and fasten.
- Remember to bolt together cross bracing at center.
- NOTE: The trusses are flexible until the cross bracing is attached, so be sure that the bracing is installed maintaining straightness of the truss and providing proper strength.
- Attach the rest of the cross bracing in a grid as shown on the specifications.

STEP "G"

- Fasten 2" square tubing to mounting bracket attachment using 3/8" x 3" bolt.

SHADE PANELS:

- Rope will be laced through grommets and around top tubes of structure.
- Tie down one corner leaving approx. 3 inch spacing between panel and truss. NOTE: Shade panels should be tied to the top of the truss.
- Tie down opposite corner to same spacing. Repeat for other two corners.
- Lace up one side and then the opposite side in a zig-zag pattern until panel is completely laced to frame. All panels are laced INDIVIDUALLY to truss system.
- As there is a minimum shrinkage and stretch (less than 1%) no special allowance is needed.
- Tension on installed panel should not be excessive, however, fabric should not sag.
- Lace opposite ends to cable and top rail of fence. NOTE: It is best to pre-cut lacing cord in approx. 15 ft lengths. Use square knot to tie ends together as lacing.