The Solar Series™
Installation Overview for Unframed Shade Structures

• 4-step installation process
• All structure elements, panels, and hardware system provided
• All panels powdercoated on both sides
• All hardware powdercoated
• All steel powdercoated with zinc primer
• No welding or cutting required
• Detailed installation instructions provided upon purchase

STEP 1: INSTALL COLUMNS

Tube steel post

Attach reinforced bolt plate to footing with anchor bolts and finish concrete above bolt plate (footer, anchor bolts, and finish concrete provided by other suppliers)
STEP 2: INSTALL BEAMS

Steel beam attached to column with bolts and washers

Tube steel column
STEP 3: INSTALL PURLINS

Tube steel purlin attached to beam using structural expansion bolts (2X per end)

Purlins attached to beams with structural expansion bolts (2X per end)

Steel beam
The Solar Series™  INSTALLATION OVERVIEW FOR UNFRAMED SHADE STRUCTURES

STEP 4: INSTALL PANELS

PDH Metal Screw
PFL200 bracket
Hex nut

PFL200 bracket
Hex nut
PDH Metal Screw

PFL400 bracket
Hex nut
PDH Metal Screw