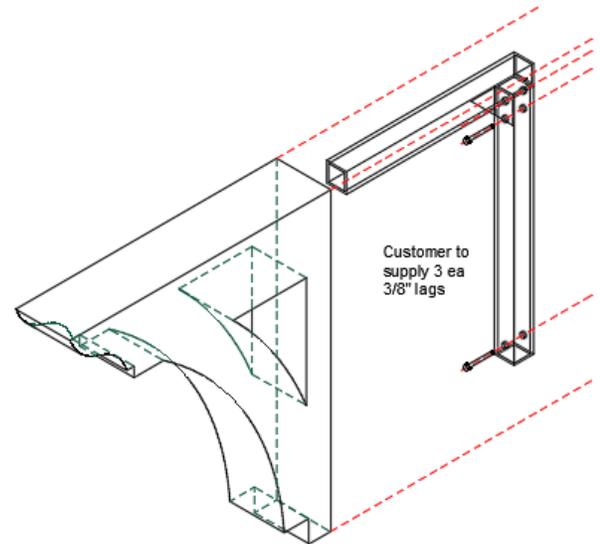


Wall Trellis Installation

Figure 1a

1. Trellis Bracket Installation, Classic or Deluxe Brackets

- a. Measure the center to center distance of the Trellis to locate Wall Bracket mounting location.
- b. Mark required height of top of PVC Wall Bracket Cover.
- c. Measure 1" down from top of PVC Wall Bracket Cover to locate top of Reinforced Bracket.
- d. Drill (3) 1/8" pilot holes into solid blocking at the locations shown in **Figure 1a** for Lag Bolts.
- e. Mount the Reinforced Brackets to the Wall using Customer supplied 3/8" lag bolts into **Solid Blocking**. **NOTE: Reinforced bracket must be mounted to solid blocking, (Reinforced bracket supports trellis system).**
- f. Slide PVC Wall Bracket over Reinforced Bracket as shown in **Figure 1a**.
- g. Pin nail PVC Wall Bracket to Solid Blocking for flush mount at wall to conceal Reinforced bracket, caulk at Wall and Bracket joint with Silicon Caulk, Finish trim/ Siding work to PVC Bracket.



2. Rafter Installation

- a. Once both Trellis Brackets are installed, set one Rafter in place and center it so that each tail end extends equally past the Trellis Brackets.
- b. Mark the underside of the Rafter at the inside and outside of the Trellis Brackets at each end. These marks may be visible after Rafters are installed, so use light pencil or other removable marking.
- c. Remove Rafter and turn upside down.
- d. Align remaining Rafter next to the marked Rafter, and transfer lines across to all. *This step assumes the Trellis Brackets are parallel. If this is not the case, please modify accordingly.*
- e. Center a Rafter bracket between the marked lines with the center holes countersink up and the bracket extending out past the sides of the Rafter. See **Figure 2a**. Note that the scribed lines on the opposite side of the bracket are used to center the bracket across the Rafter.
- f. With the brackets centered between the marked lines and across the Rafter, drill 1/8" pilot holes through the mounting holes into the Rafter.

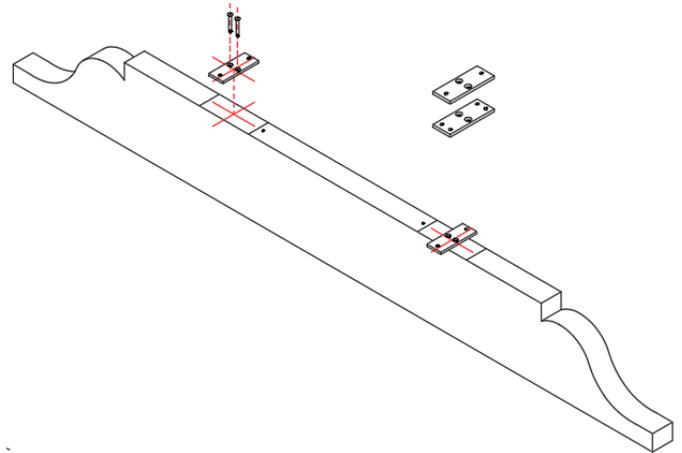


Figure 2a

RAFTER BRACKET 1



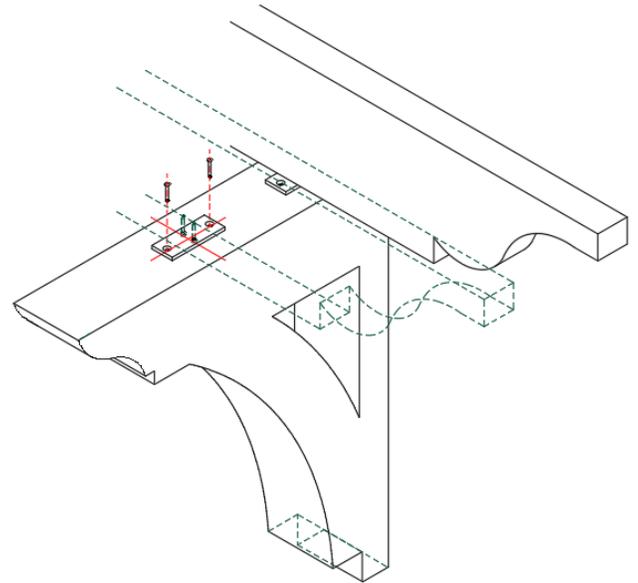
2-1/2" x 7-3/16"
Rafter

RAFTER BRACKET 2



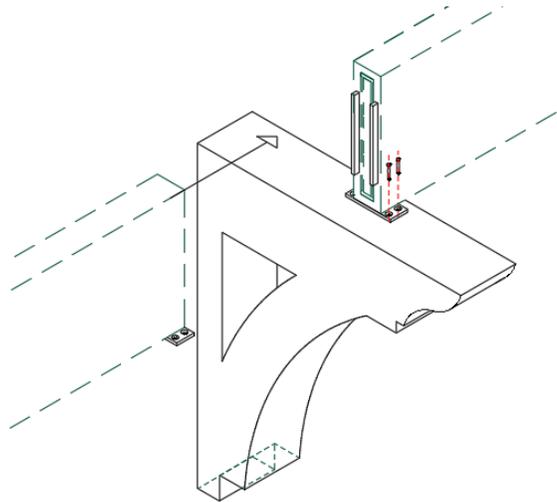
2-1/2" x 9-3/16"
2-1/2" x 7-3/16"
Rafter

- g. Attach the bracket to the Rafter using the 1/4" X 2" long flat head self tapping stainless steel screws.
- h. Repeat steps e-g for all Rafter brackets.
- i. On the bottom of each Rafter, approximately 1/2" from the inside edge of the each bracket, drill a 1/8" drain hole through the PVC. Be careful not to drill through the aluminum reinforcement.
- j. Mark both Trellis Brackets with center line measurements for all the Rafters to confirm spacing before installation.
- k. Place Rafters on and center on marks.
- l. Drill 1/8" pilot holes and attach Rafter brackets to Carrying Beams using 1/4" X 2" long flat head self tapping stainless steel screws.



3. Rafter Installation – Field Splice

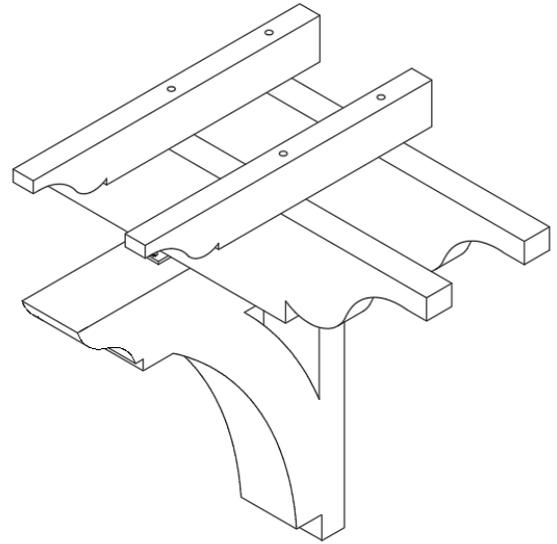
- a. Cut rafters to length, if necessary.
- b. Use a 1/4" kerf router bit with a 1/2" depth of cut to slot the vertical sides of trellis rafter 1 1/4" from each corner.
- c. Cut supplied splines to fit the slots.
- d. Place a bead of adhesive (comparable to Trimbondor/Trimwelder) in slots on one half of the joint and insert splines.
- e. Fasten one rafter bracket to each rafter.
- f. Set one Rafter on Trellis Bracket centering joint on Trellis Bracket, screw Rafter bracket to Trellis Bracket.
- g. On the bottom of each Rafter, approximately 1/2" from the inside edge of the each bracket, drill a 1/8" drain hole through the PVC. Be careful not to drill through the aluminum reinforcement.
- h. Place a bead of adhesive in the empty slots and along the face of the joint. **PVC wraps must be glued together to prevent water entry into the rafter.**
- i. Set the remaining Rafter and slide joint together then screw to Trellis Bracket.
- j. Allow adhesive to set, then sand off any excess that squeezed from the joint.



4. Purlin Installation

- k. Purlins are predetermined lengths and size depending style of Trellis (Deluxe or Classic), set one in place and set flush with Wall. Mark the under the side of the Purlin at the outside of the outer Rafter each end.
- l. Remove Purlin and turn upside down.
- m. Align all remaining Purlin or Lath next to the marked one, and transfer lines across to all. These marks may be visible after Purlin is installed, so use light pencil or other removable marking. *This step assumes the Rafters are parallel. If this is not the case, please modify accordingly.*

- n. Measure center to center of the Carrying Beams and divide this measurement by the number of Purlin spaces (you should have one more Purlin than the number of spaces). This is the center line spacing to set each Purlin.
- o. Mark both end rafters with center line measurements for all the Purlin to confirm spacing before installation.
- p. Place Purlin or Lath across Rafters and center to marks.
- q. Purlin should be secured with a screw into the Rafter at each intersection along the two Rafters. Insure that Purlin or Lath are straight along their entire length before securing with screws:
 - 1) If using Deluxe Purlin, Pre-drill 5/8" Dia Hole (w/ Forster Bit) in top of purlin, over each purlin/rafter intersection. Install Hex Head Screw, Supplied, through hole, into bottom of purlin, to secure purlin to rafter. Glue opening, insert plug supplied, flush to surface, sand smooth if necessary
 - 2) If using Classic Purlin, secure with stainless #10-32 x 1-1/2" screws



NOTE: For any application in these instructions that call for /epoxy INTEX recommends TRIMBONDER 2 part epoxy or BOND AND FILL 2 part epoxy.