

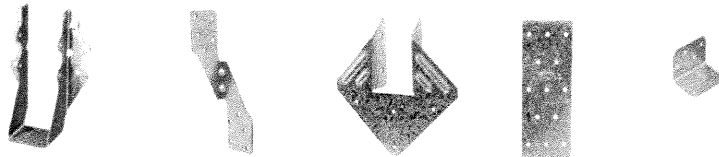
Patio Cover Location: 322 Baranof Drive, Petaluma, CA 94954

Designer Signature: _____ Designer Name: Rigoberto Garcia

Design Revision: 00

Patio Cover Key Items

- Patio Cover Dimensions: 14.5' L X 21' X 9' Hight
- Patio Cover Overhang: 18" on all sides and no more than 24" on each front corner
- Size Footing: 15" L X 15" W X 24" Depth
- Five Post Bases: CBSQ66-SD52 Simpson Galvanized Column Base with SDS ¼" X 2" Screws WITH Galvanized anchor bolt
- Five Simpson Strong-Tie ECCLRQ666SDS Column caps:
 - One Simpson Strong-Tie ECCLRQ666SDS – I Shape End Column Cap for 6 x 6 Post w/ ¼" X 2" SDS Screws
 - One Simpson Strong-Tie ECCLLQ666SDS – L-Shape End Column Cap for 6x Beams, 6x Post w/ ¼" X 2" SDS Screws
 - One Simpson Strong-Tie CCQ Column Cap for 6X Beam, 6X Post with Strong-Drive ¼" X 2" SDS Screws
 - Two Simpson Strong-Tie ECCQ66SDS2.5 – End Column Cap for 6x Beam, 6x Post, W/ Strong-Drive ¼" X 2" SDS Screws
- 2" X 6" Galvanized Joist Hangers with 16d X 3 ½" Galvanized Nails for Rafters attached to existing structure
- Wood:
 - Five 6" X 6" X 9' Con heart redwood posts
 - Two 6" X 6" X 14.5' Con heart redwood beams
 - Two 6" X 6" X 10.5' Con heart redwood beams
 - Fascia: 2" X 8" Vintage Premium Pine Trim Primed S1S2E
 - 4X8-19/32 Sheathing Plywood
 - All other wood used: Doug Firm #2 Better Green S4S (red)
 - Nails: Galvanized 16d x 3 ½", 15d x 1 ½", 10d x 2 ½"
- The following galvanized items are used when possible such as at beginning and end of each raffle



REVIEWED FOR CODE COMPLIANCE

Approval of these construction documents does not authorize or approve any omission or deviation from the requirements of state laws and/or local ordinances. One set of the approved construction documents shall be available on the project site at all times.

By: Kevin Scheumann Date: 06/27/2023

BLDR-2023-0393

No: _____

CITY OF PETALUMA BUILDING DIVISION

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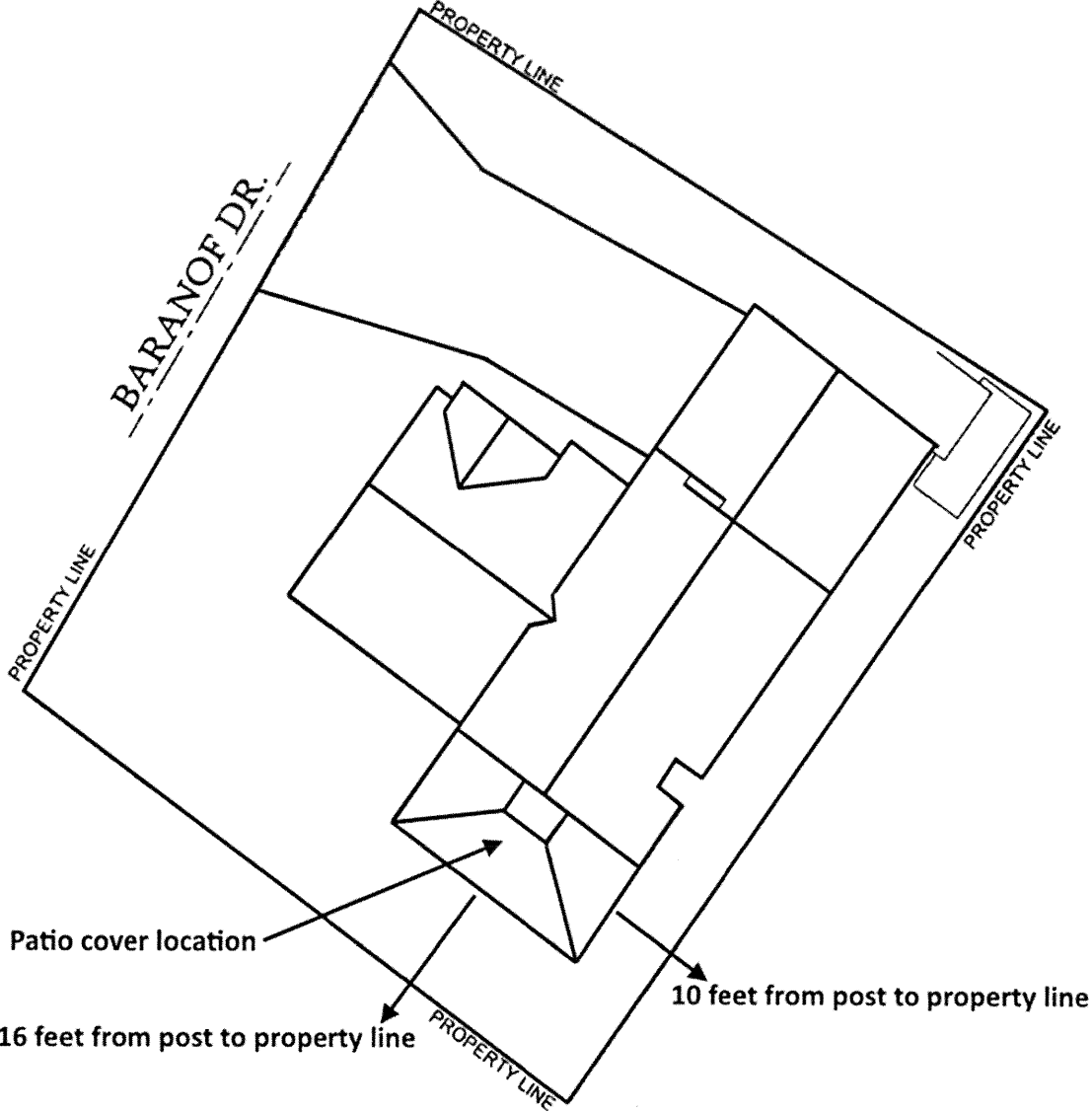
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- Roofing Details

- Minimum roof slope: 4:12
- Install 4X8-19/32 Sheathing Plywood with about 15d x 1 ½" galvanized nails approximately 6" apart from each other.
- Install underlayment.
- Install swift starter at eaves and rake edges
- Install 2x2 edge metal at rakes and eaves
- Install Asphalt Shingles with about 1 1/4" coil nails with a minimum of six nails
- Install step shingles or flashing at roof to wall
- Install 10" ridge caps on all hips and ridge lines
- In addition to above items, when not enough slope, use torch down roofing with:
 - Fiberglass mesh
 - Bitumen primer
 - Modified-Bitumen roofing sheets
 - Propane torch
 - Roofing cement



322 Baranof Drive – Patio Cover Plan





Patio Cover Diagram and Dimensions

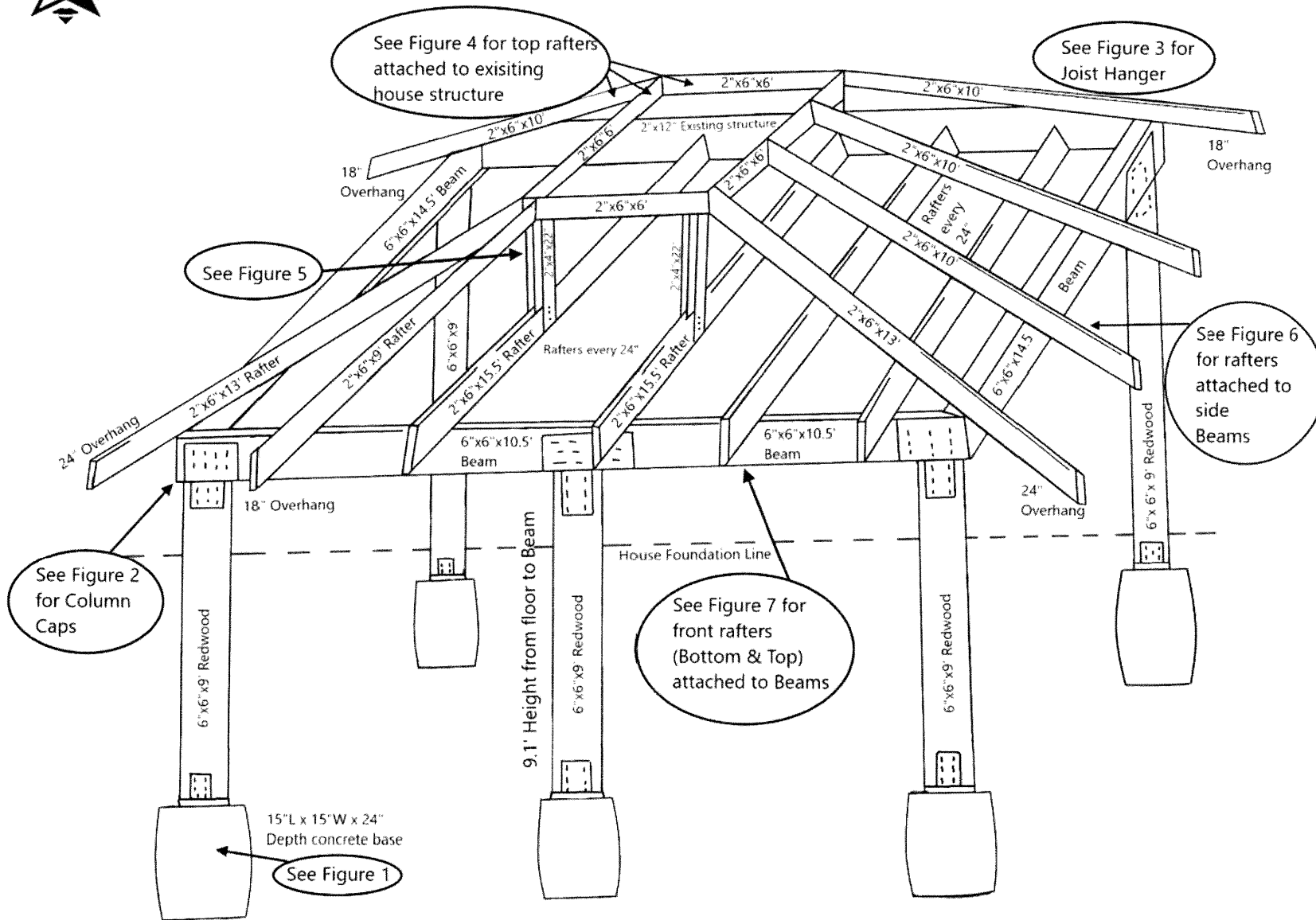
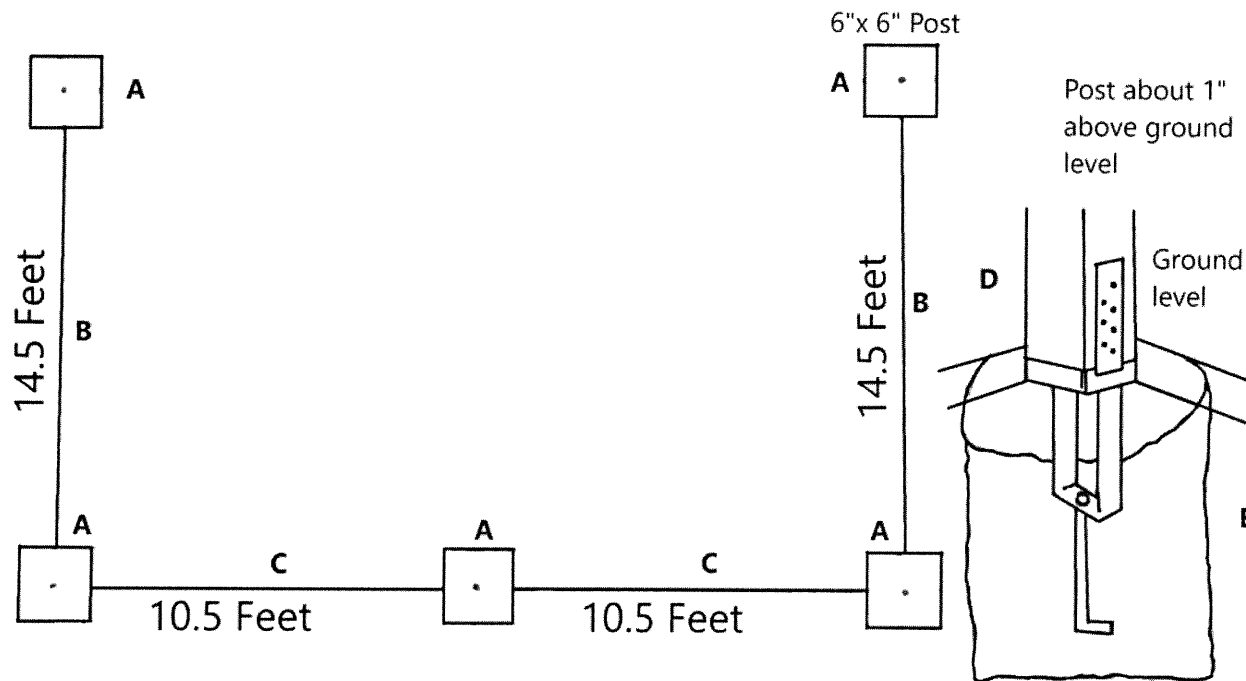




Figure 1
Patio Cover Concrete Bases and Beams

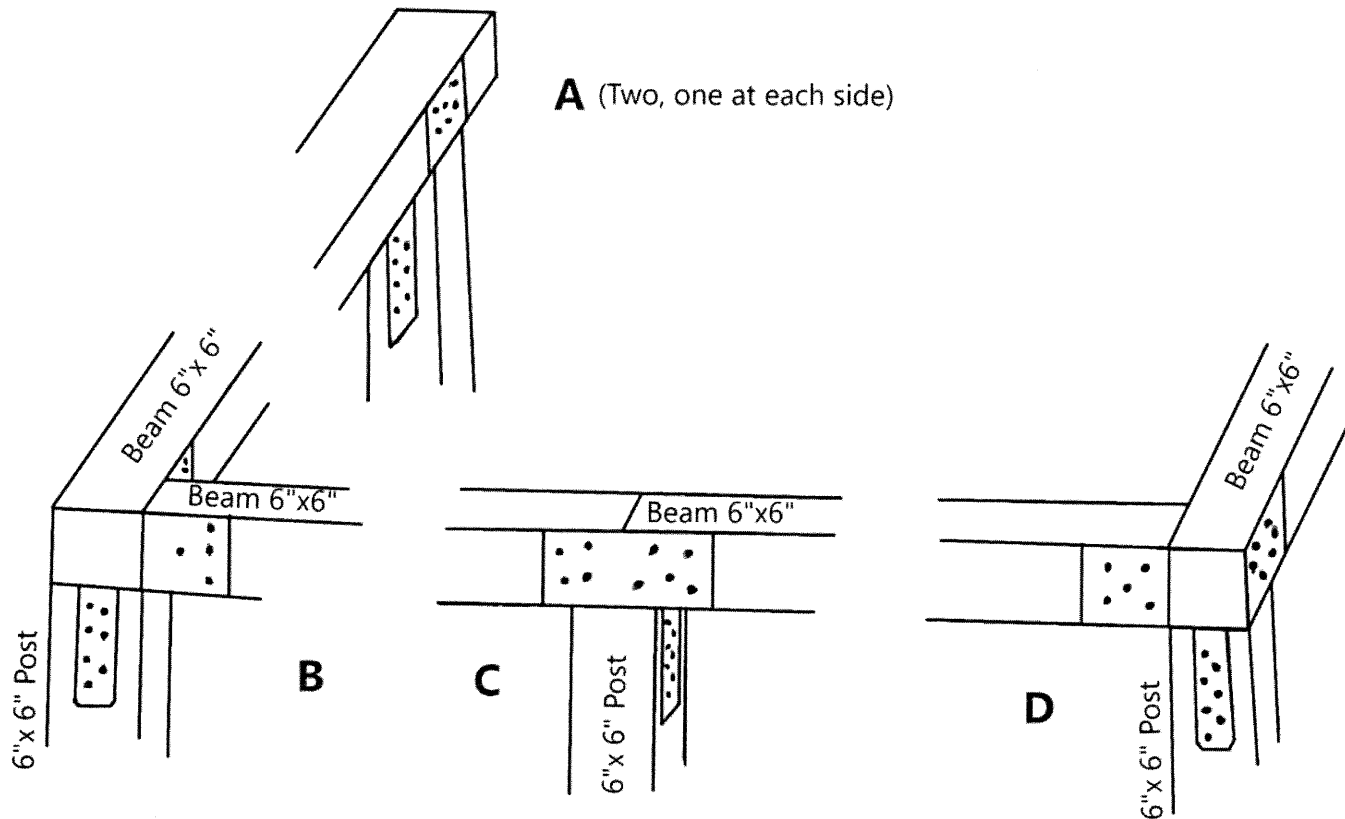


Legend Code:

- A. 6" X 6" X 9' Con heart redwood posts (five total).
- B. 6" X 6" X 14.5' Con heart redwood beam (two total).
- C. 6" X 6" X ~10.5' Con heart redwood beam (two total).
- D. CBSQ66-SDS2 Simpson galvanized column base w/ ¼" X 2" SDS Screws and galvanized anchor bolt (Five total).
- E. Concrete base 15"L, 15"W x 24" Depth (Five total).



Figure 2
Patio Cover Column Cap attached to 6 X 6 Posts and Beams

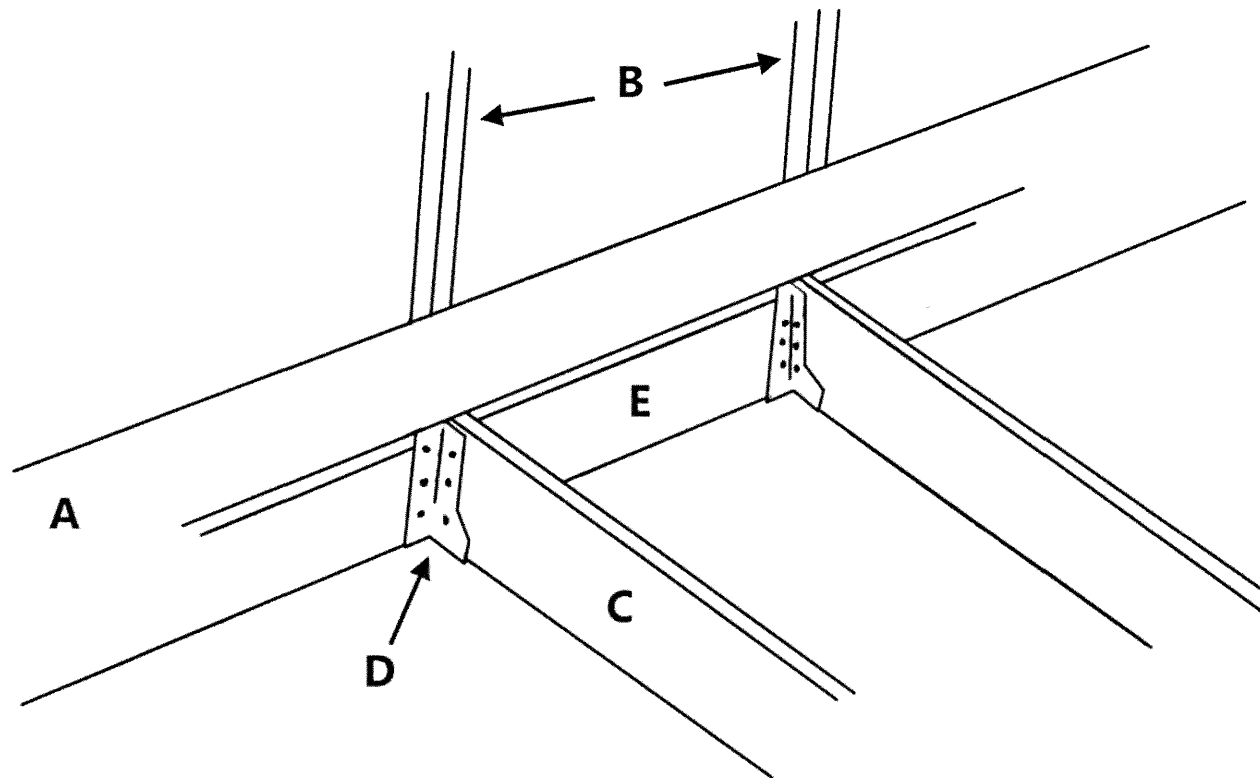


Legend Code:

- A. Two Simpson Strong-Tie ECCQ66SDS2.5 – End Column Cap for 6x Beam, 6x Post, W/ Strong-Drive ¼" X 2" SDS Screws (One column cap on each side).
- B. One Simpson Strong-Tie ECCLLQ666SDS – L-Shape End Column Cap for 6x Beams, 6x Post w/ ¼" X 2" SDS Screws.
- C. One Simpson Strong-Tie CCQ Column Cap for 6X Beam, 6X Post with Strong-Drive ¼" X 2" SDS Screws.
- D. One Simpson Strong-Tie ECCLRQ666SDS – L Shape End Column Cap for 6 x 6 Post w/ ¼" X 2" SDS Screws.



Figure 3
Patio Covered Bottom Rafters Attached to Existing Home Structure

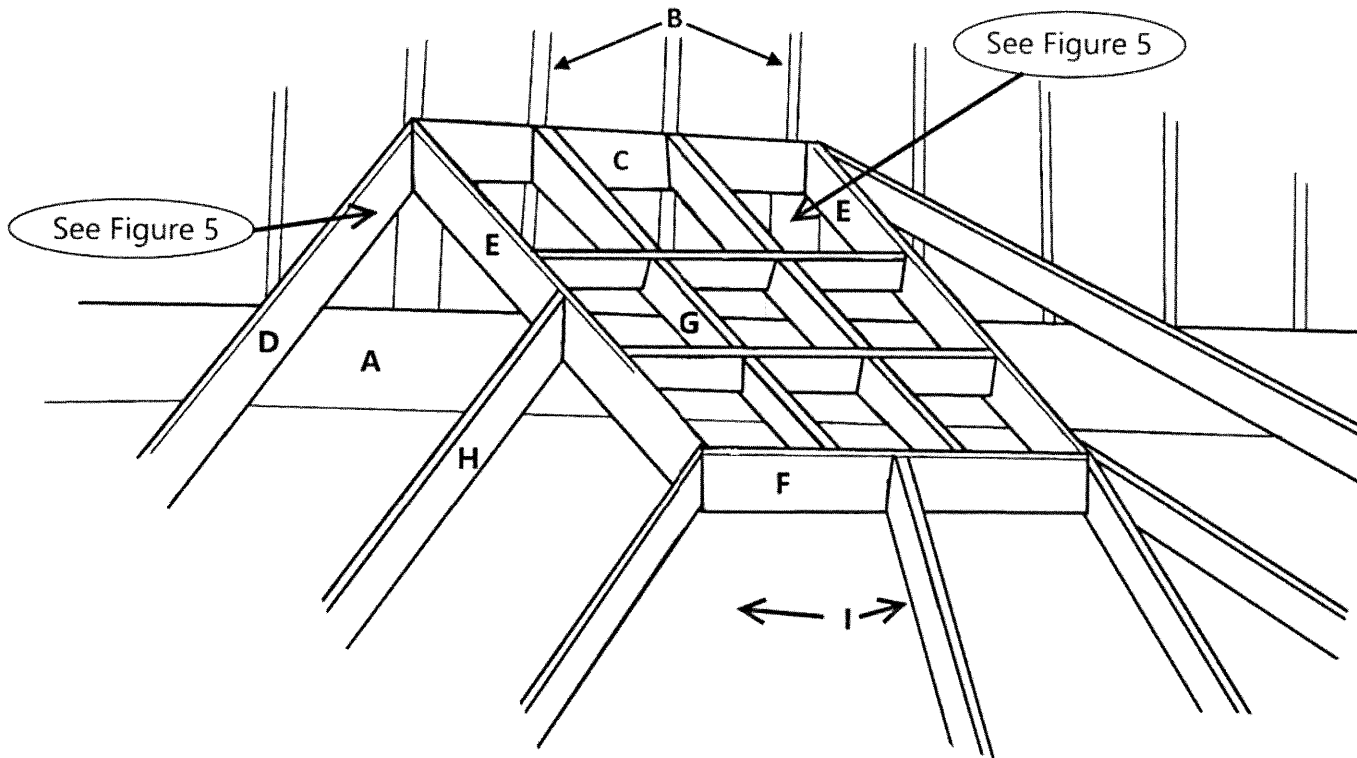


Legend Code:

- A. 2" X 12" Existing Home Structure.
- B. 2" X 4" Existing Home Structure.
- C. 2" X 6" Rafters, every 24".
- D. 2" X 6" Galvanized Joist Hanger with 16d X 3 1/2" Galvanized Nails at each connection to existing structure.
- E. 2" x 6" Solid blockings between each rafter at beginning and middle. 2" X 4" Solid blockings at end.



Figure 4
Top Rafters Attached to Existing Home Structure



Legend Code:

- A. 2" X 12" Existing home structure.
- B. 2" X 4" Existing home structure.
- C. 2" X 6" X 6' Rafter attached to existing home structure W/ 16d X 3 1/2" Galvanized Nails.
- D. 2" X 6" X 10' Rafter attached to existing home structure W/ 16d X 3 1/2" Galvanized Nails.
- E. 2" X 6" X 6' Rafter attached W/ 2" X 6" Galvanized Joist Hanger with 16d X 3 1/2" Galvanized Nails.
- F. 2" X 6" X 6' Rafter attached W/ 2" X 6" Galvanized Joist Hanger with 16d X 3 1/2" Galvanized Nails
- G. 2" X 6" Blocking every 18".
- H. 2" X 6" X 10' Rafter attached W/ 2" X 6" Galvanized Joist Hanger with 16d X 3 1/2" Galvanized Nails every 24".
- I. 2" X 6" X 9' Rafter attached W/ 2" X 6" Galvanized Joist Hanger with 16d X 3 1/2" Galvanized Nails every 24".



Figure 5
Studs from Bottom to Top Rafters

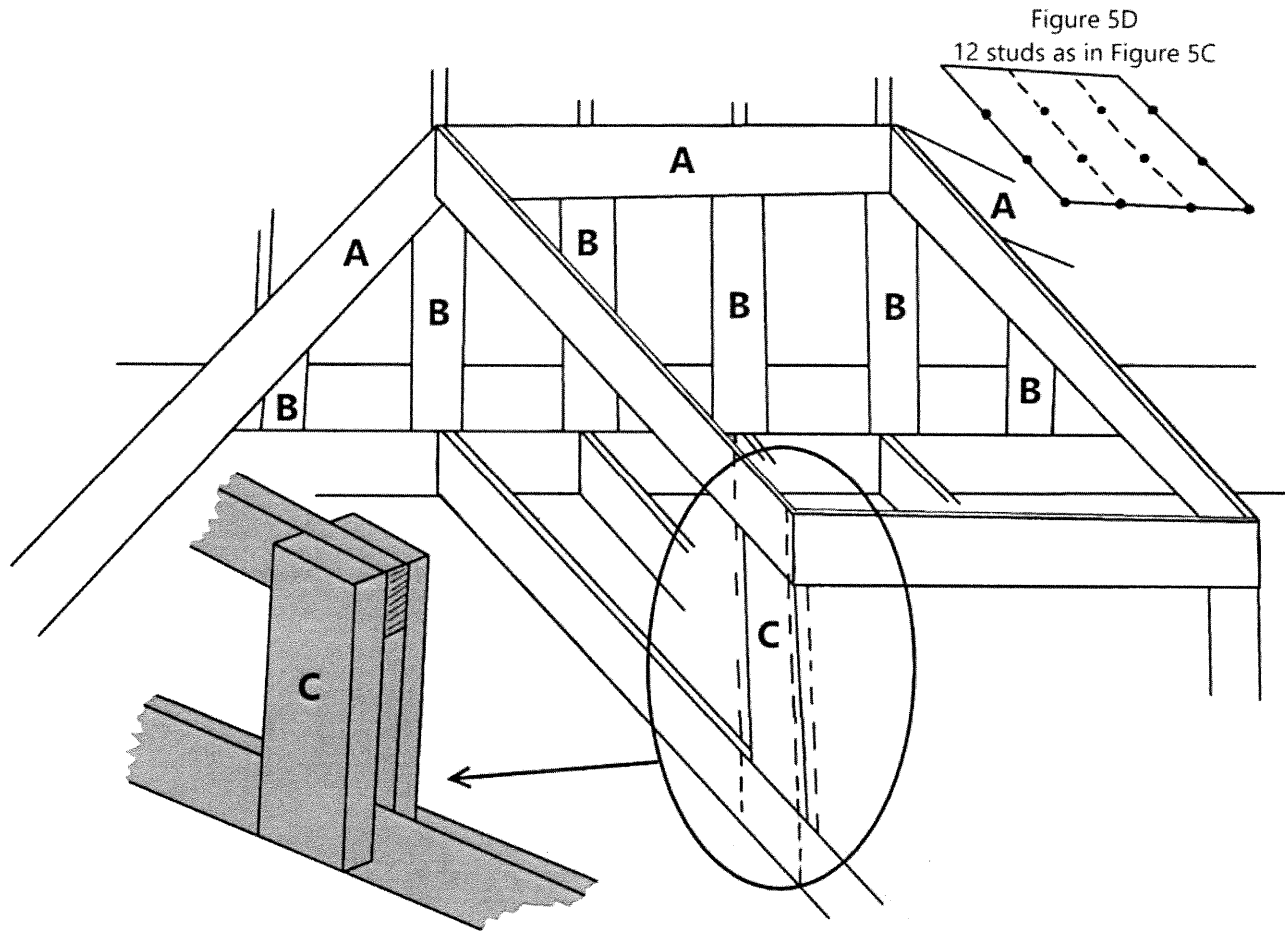


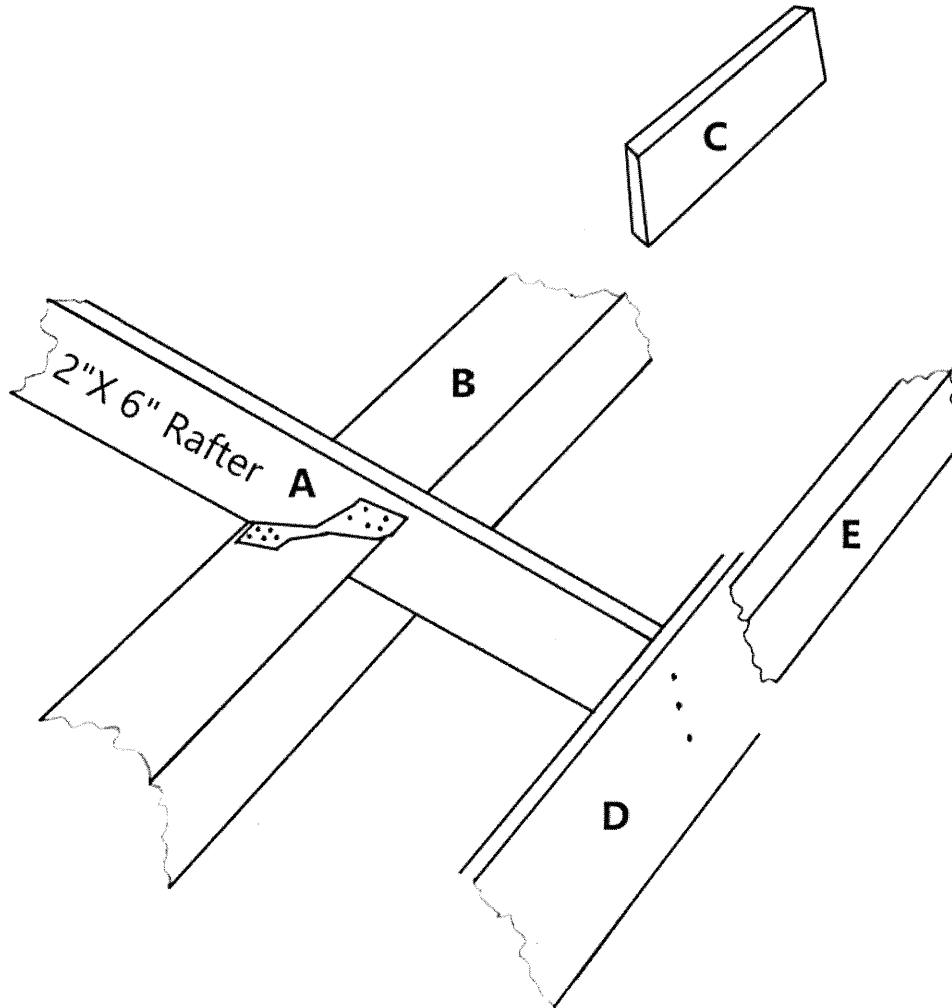
Figure 5D 12 Studs as in Figure 5C

Legend Code:

- A. One 2" X 6" X 6' and two 2" X 6" X 10' Rafters attached to existing home structure W/ 16d X 3 1/2" Galvanized Nails (See also figures 4).
- B. 2" X 6" X approximately 13" studs every 24" apart from each other and attached to home structure W 16d X 3 1/2" Galvanized Nails and secure to rafters with fastener and 15d x 1 1/2" galvanized nails.
- C. 12 Studs between bottom and top rafters located as in figure 5D. These 12 studs consist of three 2" X 4" X 23.5" sandwiched and secured to rafters with fasteners and 16d x 3 1/2" galvanized nails.
- D. Figure 5D shows location of studs shown in figure 5C. These studs are approximately 24" apart from each other.



Figure 6
Side Rafters Attached to Side Beams

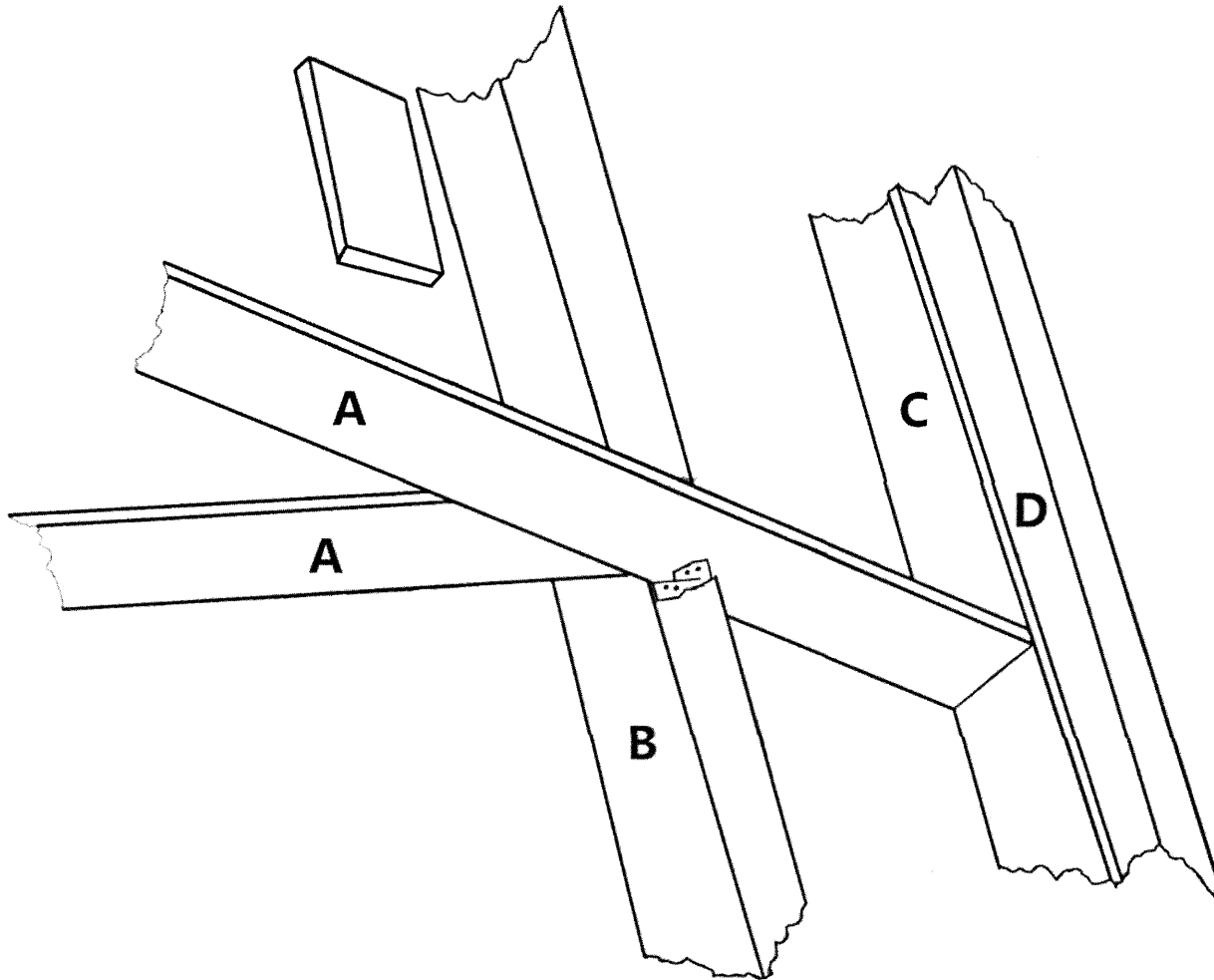


Legend Code:

- A. 2" X 6" X 10" Rafters every 24" attached W/ 2" X 6" Galvanized Joist Hanger on one side and attached with 6" Simpson Galvanized Strong-Tie and 16d X 3 ½ or 15d x 1 1/2" galvanized nails at end side.
- B. 6" X 6" X 14.5 Con heart redwood beam.
- C. 2" X 4" X approximately 22" solid blocking.
- D. 2" X 8" X 15' Vintage premium pine trim primed fascia attached with 16d x 3 ½" galvanized nails.
- E. 4" X 6" X 15' Galvanized gutters around cover patio attached with 1 ½" galvanized hex head screws with two downspouts.



Figure 7
Front Rafters Attached to Side Beam



Legend Code:

- A. 2" X 6" X 15.5" (bottom rafters) and 2" X 6" X 9" (top rafters) every 24" attached W/ 2" X 6" Galvanized Joist Hanger on one side and attached with 6" Simpson Galvanized Strong-Tie and 16d X 3 1/2" or 15d x 1 1/2" galvanized nails at end side.
- B. 6" X 6" X 10.5' Con heart redwood beam.
- C. 2" X 8" X 26' Vintage premium pine trim primed fascia attached with 16d x 3 1/2" galvanized nails.
- D. 4" X 6" X 26' Galvanized gutters around cover patio attached with 1 1/2" galvanized hex head screws with two downspouts.