	<h1>SHED ROOF, CARPORTS, PATIO COVERS</h1>			Updated 2/2024
Physical Address: Auburn City Hall Annex, 2 nd Floor 1 E Main St	Mailing Address: 25 W Main St Auburn, WA 98001-4998	Webpage & Application Submittal: www.auburnwa.gov mybuildingpermit.com	Phone and Email: Phone: (253) 931-3090 permitcenter@auburnwa.gov	

WHAT YOU NEED TO APPLY FOR A BUILDING PERMIT:

- ☐ **Site Plan**– (see sample [site plan link](#)) A drawing of your lot and the setbacks to the property lines and other structures.
- ☐ **[Permit Application](#)** (See Residential Building Application link above)
- ☐ **Footing Details** Size and depth of footings.
- ☐ **House & Post Attachment Details**-List types of fastening/connectors being used. Ledger attachments shall show flashing, size of ledger being used, and anchor spacing.
- ☐ **Plan View Drawings of Patio Cover/Carport**- Please provide a birds eye view of your project, with all dimensions indicated. If you are designing this yourself, graph paper can be used (1 square=1 foot) or architectural scale. Measurements are critical on all building plans. The more information the better.
- ☐ **Cross-Section Drawings of Patio Cover/Carport**- Indicate distance between posts on plans.
- ☐ **Roof Framing Details**- Spans of rafter & beams-roof pitch/details, and dimensions of all material. Indicate roofing material and type of roof sheathing being used.

NOTES:

1. This is not an all-inclusive list. Conditions which do not meet these details may require a more detailed plan submission, up to and including engineer-stamped plans.
2. All lumber in contact with the ground or concrete shall be treated or rated for this use.
3. All screws or nails shall be hot dipped galvanized or stainless steel, and nails shall be ring shanked or annular grooved.
4. Patio Cover/Carports shall be constructed in accordance with the International Residential Code.

Applications are submitted electronically via email. For more information, please see [Electronic Submittal](#).

For further questions about this process, please contact permitcenter@auburnwa.gov or (253) 931-3020 Option 1.

CROSS-SECTION ATTACHED PATIO COVER/CARPORT PLAN

Shed Roof, cannot to exceed 14 feet from supporting structure without the use of a Washington State design professional.

DIRECTIONS: Fill in the blanks with dimensions and material which will be used to build the structure-please PRINT legibly.

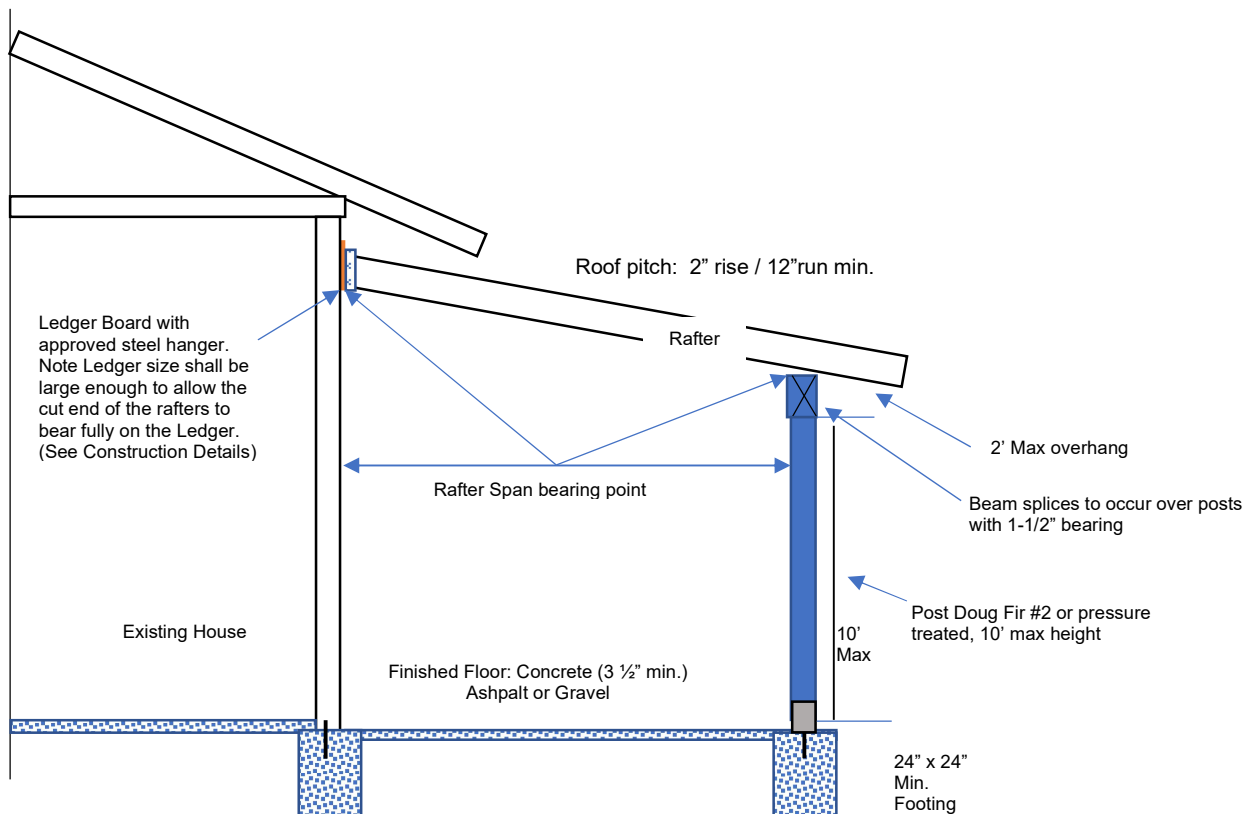
Roofing Material _____ (ex. Class A 3-tab shingles)
Roof Pitch ____ / ____ (ex. 4/12) Underlayment _____ (ex. 2 layers of 15# felt)
Roof Sheathing _____ (ex. 15/32" CDX Plywood)
** Roofing is to be installed per manufacturer's instructions.

Length of structure _____ Width of Structure _____ Attached ☐ Detached ☐
Rafter size _____ @ _____ (ex. 2"x 6"x12' @ 16" o.c.) Rafter span _____ (ex. Ledger to beam 12')
Beam size _____ (ex. 4" x 8"x10') Ledger Size _____ (ex. 2"x6")
Size & No. of Lags(____) _____ @ _____ (ex. (2) 3/8" x 4 1/2"@16"o.c.)
Post size _____ (ex. 4"x4"x10') Spaced apart _____ (ex. 6' apart. Note: max. 10')
Footing size _____ (min. 24"x24") Floor Surface _____ (concrete min 3 1/2", Asphalt/gravel)

Note: If any sides of the carport/patio cover are closer than 5' to the property line, that side of the carport/patio cover must be enclosed with a solid 1 hour fire rated wall. However, at least 2 sides of a carport shall remain open to conform to Building Code requirements.

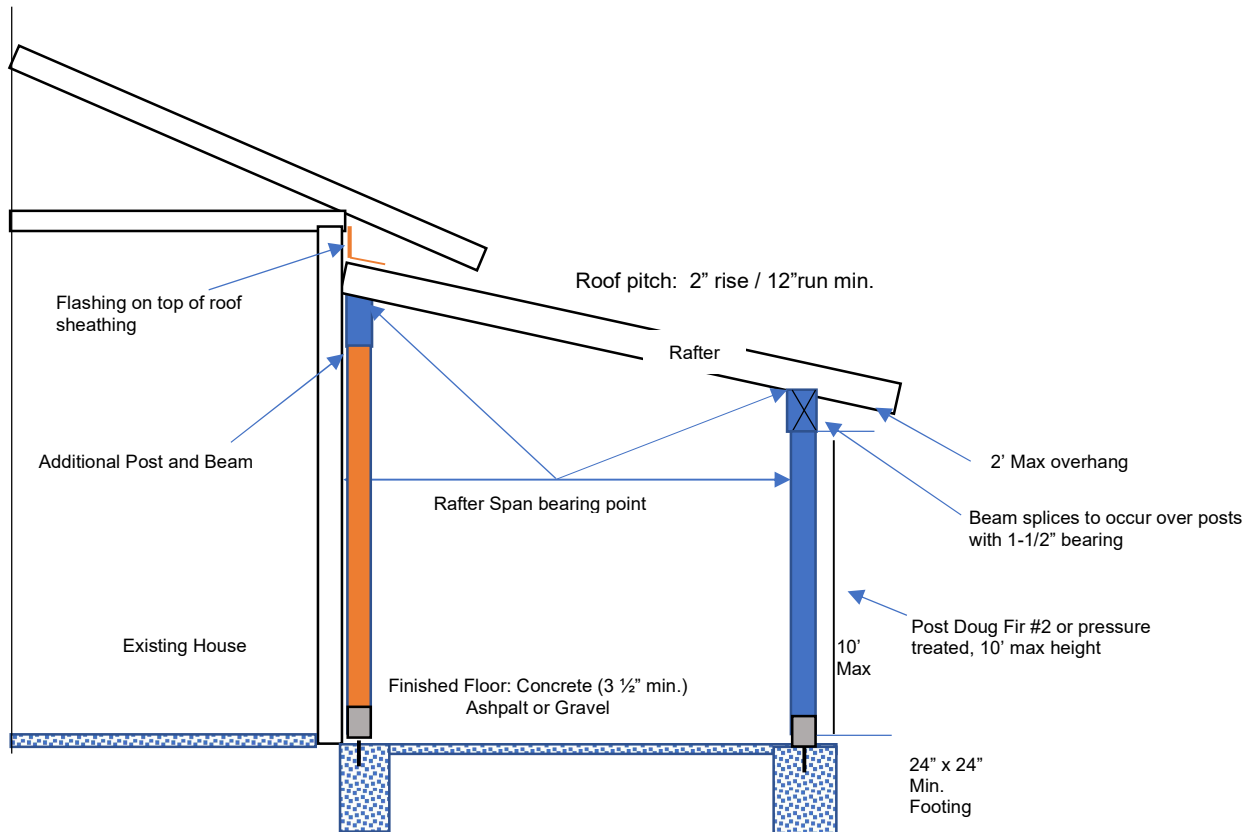
Conventional framing: must show all dimensions on submitted plans in order to verify code compliance.

Truss systems: shall be designed & approved by the truss manufacturer's design professional. Stamped truss drawings are required on site for all inspections.

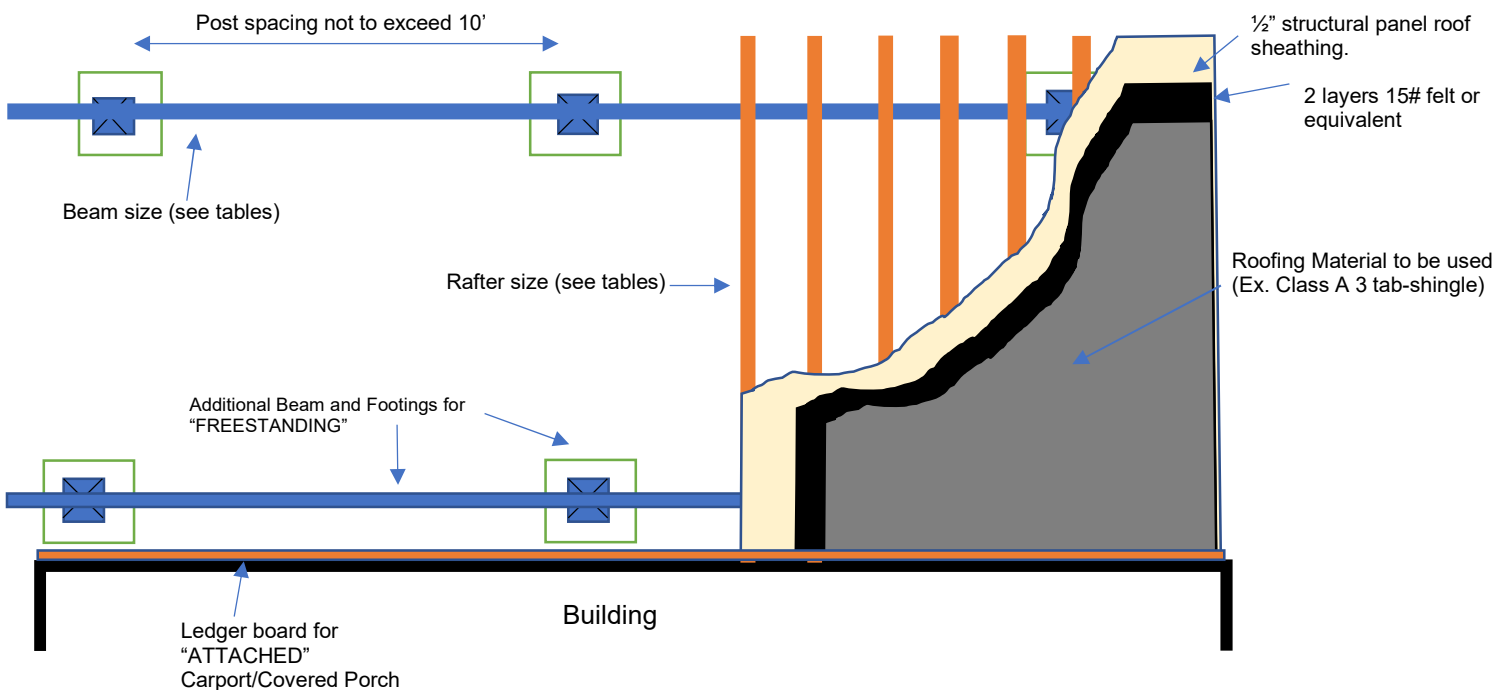


Flat Roof Carport, Patio Cover Handout

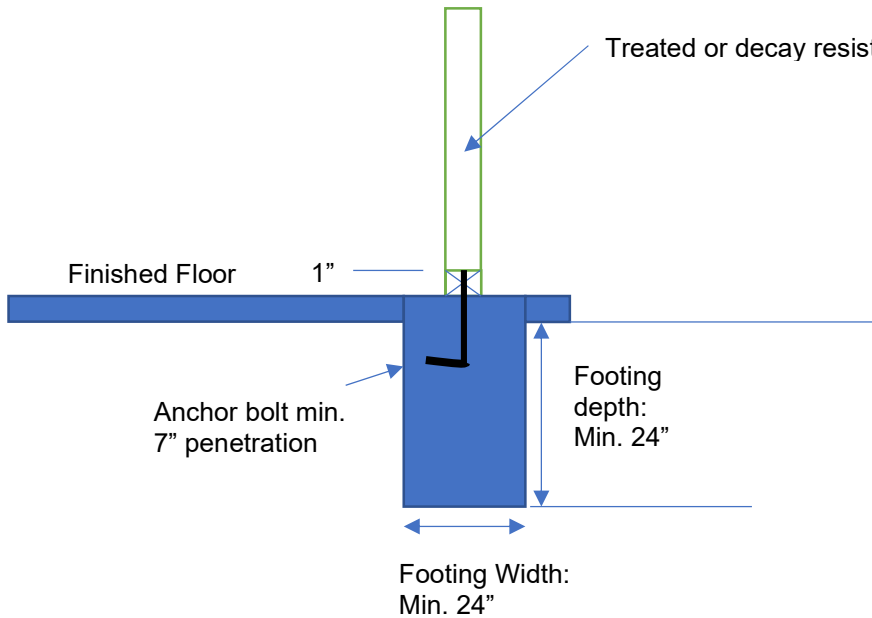
ALTERNATIVE CROSS-SECTION: FREE STANDING PATIO COVER/CARPORT PLAN



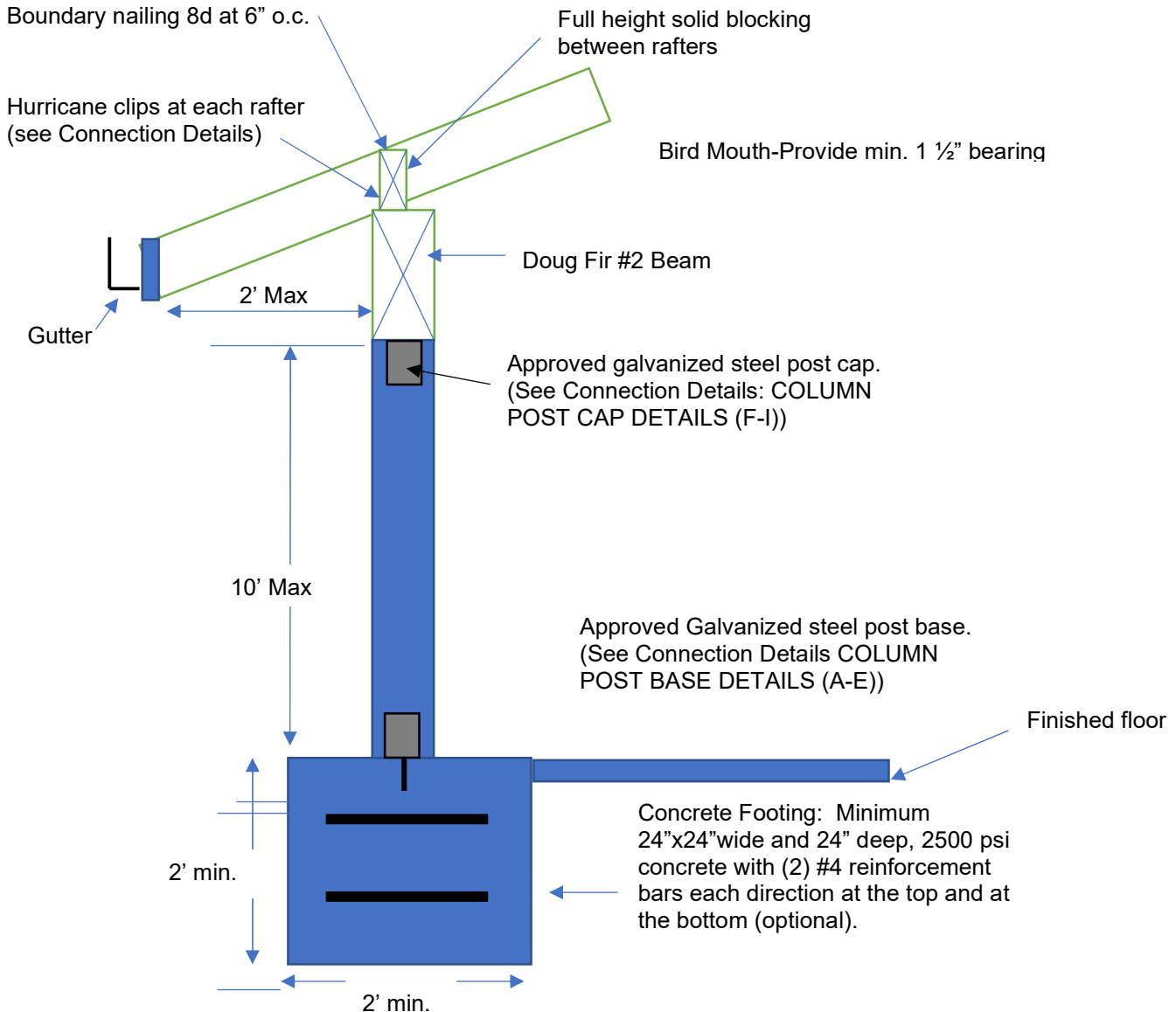
PLAN VIEW FOR PATIO COVER/CARPORT PLAN



CONSTRUCTION DETAILS



Posts must be attached to the footing according to code to prevent lateral movement and uplift (wind and cantilevered forces). Posts must be either a decay resistant or preservative-treated wood and supported by a metal pedestal projecting 1" above the concrete and 6" above exposed earth to prevent moisture rot. (See Connection Details)



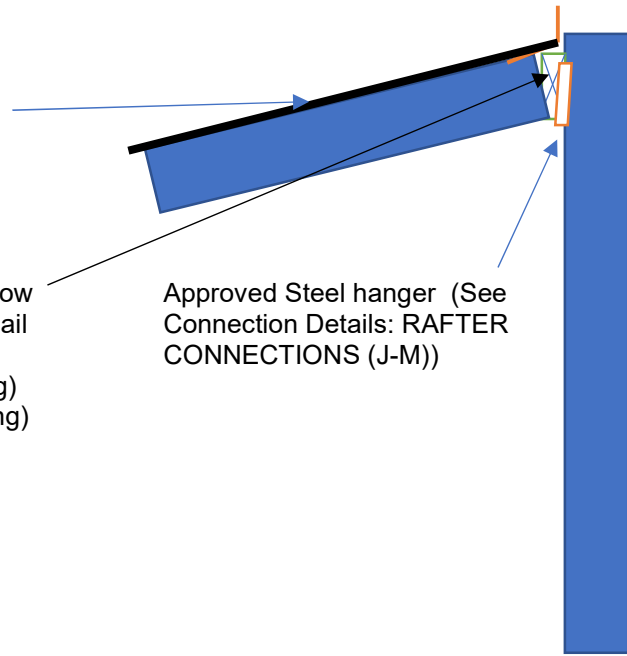
CONSTRUCTION DETAILS (cont.)

Roof Assembly: Approved roof covering, ½" structural panel roof sheathing. Nail with 8d nails @ 6" o.c. at edges and 10" o.c. in the field. #2 Doug fir rafter (typ)

Note: the ledger size shall be large enough to allow the cut of the rafters to bear fully on the ledger. Nail to studs as follows:

- (3) 16d nails staggered (0-10" distance to building)
- (4) 16d nails staggered (10-16' distance to building)

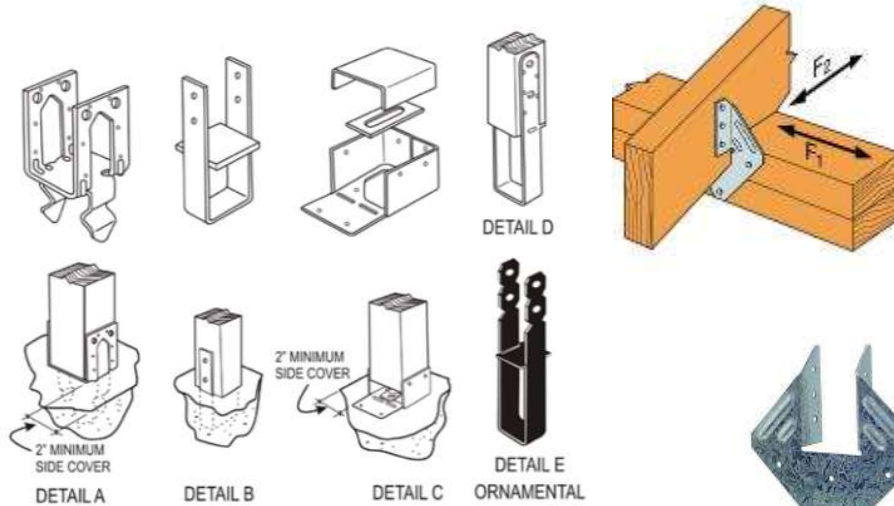
Approved Steel hanger (See Connection Details: RAFTER CONNECTIONS (J-M))



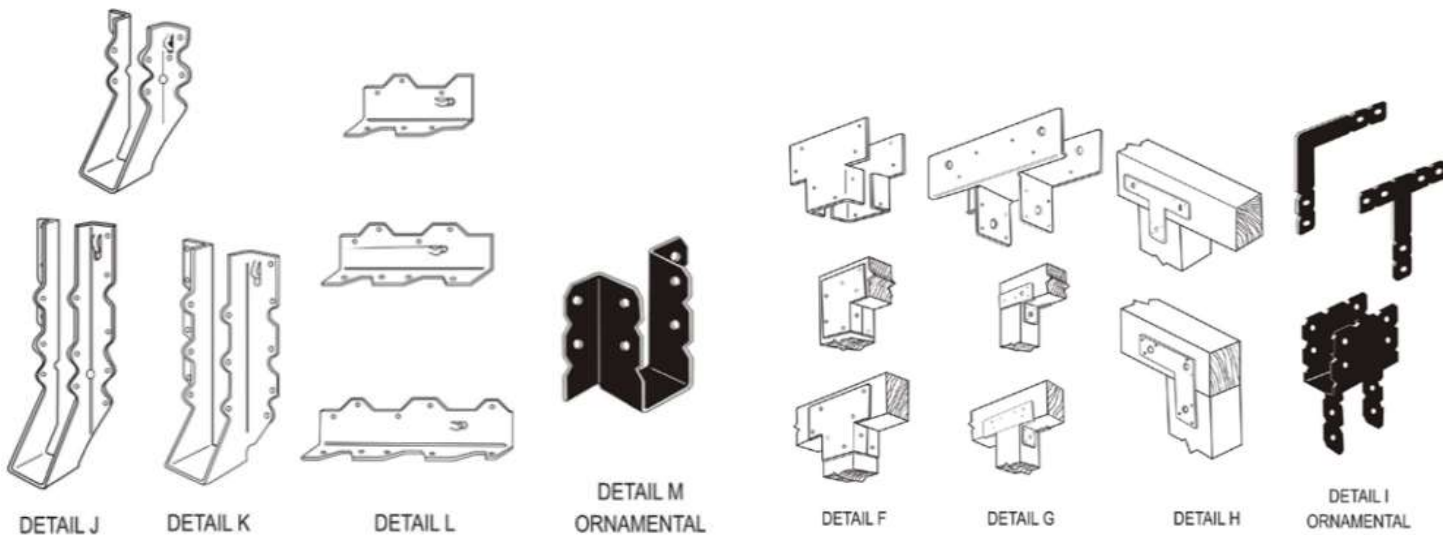
CONNECTION DETAILS

NOTES:

1. All bases, caps and connectors, are to be approved and listed products. Use manufacturer's specified fasteners per the product listing.
2. All bases, caps and connectors to be galvanized or coated with a corrosion resistant paint.



COLUMN / POST BASE DETAILS A-E



RAFTER CONNECTION J-M

COLUMN / POST CAPS DETAILS F-I

MEASUREMENT GUIDELINE

Min. Roof pitch required: 2"/12" run

