Typical Joinery Connections:

1) Connection Alternative: Timberlinx Connectors Per Manufacturers Design; required by load
2) Shown with optional gunstock posts
3) Turnbuckles may be required; RE: slope or loads
   TB is 1" dia. with customer to choose design
4) Beam end profile per customer choice

6x10 Closureplate
4x8 Brace
6x8 Purlin Typ.
8x10 Hamerbeam
6x8 Brace
6x10 Std./8x12 Shown For Gunstock Cut

NOTE:

TYPICAL HAMMER BEAM BENT
Spline Could Be Mortise And Tenon Under Right Conditions
Oak Splines Add Strength And Create Space For Some Connections
Rafter To Post:
1) Tenon = 1.5" Min. Width to 2" Max. Width
   Tenon Height Is Equal To Timber Height Minus 1/2" Min. To 1" Max. Setback
2) Rafter Is Housed Into Post 1"
3) (2) 3/4" Oak Pegs @ Each Connector

Rafter To Kingpost:
1) Tenon = 1.5" Min. Width to 2" Max. Width
   Tenon Height Is Equal To Timber Height Minus 1/2" Setback
2) Rafter Is Housed Into Post 1"
3) (2) 3/4" Oak Pegs @ Each Connector

Rafter To Rafter:
1) Connection Made With 1/2 Lap
   Lap Is 1/2 Of Timber In EA. Direction
2) (2) 3/4" Oak Pegs @ Connection

Ridge/Purlins To Rafters:
1) Dovetails With Angle Between 8-10 Degrees Each End
2) Dovetails Secured With 9" Log Hogs - 2 Per Connection

Braces To Receiving Timber:
1) Tenon = 1.5" Min. To 2" Max. Width
   Tenon Height Is Equal To Timber Height Minus 1" Setback Ea. Side Of Tenon
2) (1) 3/4" Oak Pegs @ Each Connection

Top Plates To Posts:
1) Dovetails With Angle Between 8-10 Degrees Each End Where Possible
   Otherwise Same Tenons As Rafter To Post
2) Dovetails Secured With 9" Log Hogs - 2 Per Connection
3) (2) 3/4" Oak Pegs @ Each Connector If Tenon Used
4) Timbers Housed Into Receiving Timbers Min. Of 1/2" To 1" Max.
Other Plates To Posts:

1) Tenon = 1.5" Min. Width to 2" Max. Width
   Tenon Height Is Equal To Timber Height Minus 1/2" Min. To 1" Max. Setback

2) (2) 3/4" Oak Pegs @ Each Horizontal Connections If Timber Will Receive

3) If Connection Area Is Too Busy Then A Spline Application Will Be Used Refer To Spline Details

All Other Timbers:

1) Tenon = 1.5" Min. To 2" Max. Width
   Tenon Height Is Equal To Timber Height Minus 1/2" Setback Ea. Side

2) (1) 3/4" Oak Pegs @ Each Vertical Connections
   (2) 3/4" Oak Pegs @ Each Horizontal Connections If Timber Will Receive

See Detail For Connection To Subfloor

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**POST TO DECK DETAIL**

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**POST TO SLAB DETAIL**

- Plate to be attached to slab per local codes.
- T-shaped steel plate w/ 12" flange into post secured with (2) 5/8" bolts.
- Simpson post base may be substituted per mfg's instructions.

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**SOLID BLOCKING IS REQUIRED UNDER ALL POST LOCATIONS.**

Blocking and post to receive 2" dia. peg to secure post to subfloor.

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**POST TO FLOOR DETAIL**