

Actual materials and quantities may vary due to jobsite conditions, design changes and installation variations. It is the responsibility of the Builder for this Layout to be reviewed and Approved by an appropriate Design Professional as required by the permitting authority.

ALL ROOF LOADS ASSUMED TO BE SUPPORTED AT EXTERIOR WALLS AND BEAMS BY OTHERS, IF APPLICABLE, UNLESS OTHERWISE NOTED.
NO ROOF LOADS APPLIED TO FLOOR MEMBERS.

9-1/2" TJI
210'S 16" O.C.
UNLESS OTHERWISE NOTED

HANGER NAILING FOR UNIFORMLY LOADED BEAMS

Joint & Beam Hanger Fastenings Requirements* for 3 & 4 Ply Supporting Members

For IUS or THF Hangers - Use 10d (0.148") x 3" nails.

For U, MIU, HU, HHUS, HGUS or HD, THD, THDH Hangers - Use 16d (0.162") x 3 1/2" nails.

*For hangers that have joint fasteners/connections, fill all holes with the manufacturer's recommended fasteners.

MULTIPLE PLY CONNECTION NAILING FOR UNIFORMLY LOADED BEAMS

2&3 PLY BEAMS

9/8" - 1 1/2" Depth (3) Rows of 10d (0.128") x 3" Box Nails at 12" o.c.

14" - 24" Depth (4) Rows of 10d (0.128") x 3" Box Nails at 12" o.c.

4 PLY BEAM

9/8" - 24" Depth (4) Rows of 10d (0.128") x 3" Box Nails at 12" o.c.

- 16d (0.131") pneumatic nails may be substituted for 10d (0.128") Box nails.

- Stagger nails by 6" per ply

- All plies must be same material, grade and 1 1/2" thickness.

- Joint hangers connecting into the side of the beam must be installed with minimum 3" long nails.

NAILING CONNECTION

MULTIPLE PLY CONNECTION NAILING FOR POINT LOADS

Hanger shown for reference. Install screws from side opposite of hanger. Install 1/2 the required screws on each side of hanger.

1 1/2" (TYP)

EQUAL SPACING

(4) ROWS 14" & DEEPER

(3) ROWS 11 1/2" & LESS

3 1/2" (TYP)

	SIMPSON STRONG-TIE® HANGERS				USP HANGERS		
	U	HU	HHUS	HGUS	HD	THD	THDH
<p>3 PLY SUPPORT BEAM</p>							
	TOTAL # OF 3 1/4" TRUSSLOK® SCREWS						
	4	6	8	14	6	12	16
<p>3 PLY SUPPORT BEAM</p>							
	TOTAL # OF 3 1/4" SIMPSON SDS SCREWS						
	4	4	6	12	6	10	12
<p>4 PLY SUPPORT BEAM</p>							
	TOTAL # OF 3 1/4" TRUSSLOK® SCREWS						
	4	6	10	20	8	16	20
<p>4 PLY SUPPORT BEAM</p>							
	TOTAL # OF 6" SIMPSON SDS SCREWS						
	6	8	12	24	10	20	26

- Connections based on FastenMaster TrussLok® and Simpson Strong-Tie® code reports.

- All plies assumed to be the same material, grade, and 1 1/2" thickness.

- Connections based on given hangers maximum capacity at 100% Load Duration Factor. Adequate for 115% and 125% Load Duration Factor as well.

- Connection assumes the use of 16d nails and max nailing in hangers.

- See TB-300 for alternate connector types and loading.

