PLATED TRUSS INSTALLATION GUIDE

- Truss to Wall Connectors
- Gable/Valley Truss Connectors
- Skewed Hangers
- Face-Mount Hangers
- Truss Hip/Jack Hangers
- Strap/Floor Truss Hangers
- Girder Truss Hangers

MiTek®

1-800-328-5934
MiTek-US.com

MiTek®
USP®
Structural Connectors

Plated Truss Installation Guide

General Notes

This installation guide lists the most common MiTek USP products used with plated truss members. Refer to MiTek's current USP Product Catalog for detailed hanger information and additional installation options. Consult the plated truss fabricator for information concerning the use of their products. MiTek does not express, and will not accept, responsibility for any wood component including, but not limited to, bearing blocks and backing blocks.

Use proper safety equipment during connector installations. Always wear gloves when handling connectors.

The type and quantity of fasteners used to install MiTek products is critical to connector performance. To achieve the allowable loads, install with the fasteners specified.

Drill bolt holes a minimum of 1/32" and a maximum of 1/16" larger than the diameter of the bolt to be installed (per the 2015 NDS®, Section 12.1.3.2).

Washers should always be used under the head of a bolt or nut of a bolt when not in contact with the connector, unless noted otherwise.

It may be permissible to install connectors with TECO pneumatic nails, provided the nail length and diameter match the catalog specified nail and are installed through all pre-punched nail holes. MiTek recommends the use of nail guns featuring hole-locating mechanisms. Please note that many nail guns use fasteners smaller than common nail size and load reductions will result. Contact MiTek Engineering. **Caution:** Always follow nail gun manufacturer's safety guidelines.

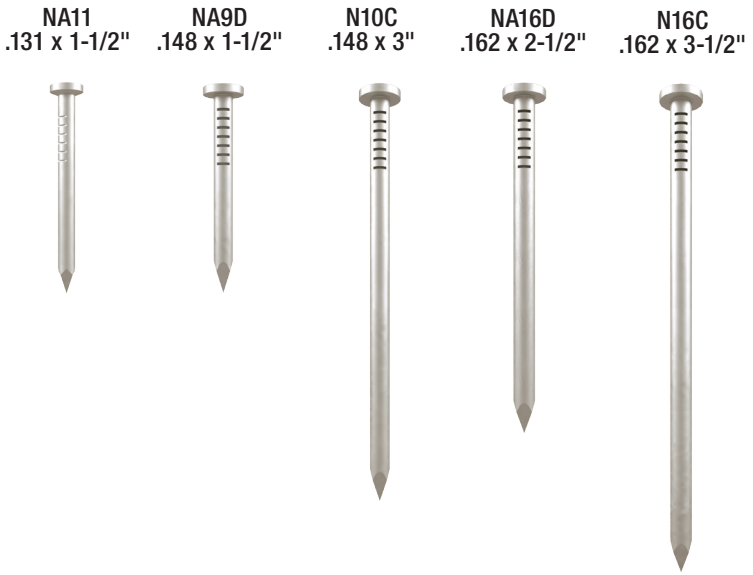
Truss members installed in hangers shall bear fully on the connector seat and shall be cut to fit against the header with a gap no greater than 1/8" between the truss end and header face.

Multiple-ply members must be fastened securely together to act as one unit.

Nails

Finish[1]	Size	USP Stock No.[2]	Ref. No.	Dimensions (in)	
				Nail Diameter	Length
HDG	8d x 1-1/2	NA11	N8	0.131	1-1/2
	10d x 1-1/2	NA9D	N10	0.148	1-1/2
	10d Common	N10C	10DHDG	0.148	3
	16d x 2-1/2	NA16D	N16, N16EG	0.162	2-1/2
	16d Common	N16C	16DHDG	0.162	3-1/2
Bright	8d Common	8d Common	-- --	0.131	2-1/2
	10d Common	10d Common	-- --	0.148	3
	16d Sinker	16d Sinker	-- --	0.148	3-1/4
	16d Common	16d Common	-- --	0.162	3-1/2

1) HDG = Hot-Dip Galvanized; Bright = No Finish.
2) Bright finish common and sinker nails are listed in table for reference only. MiTek does not stock these type nails.

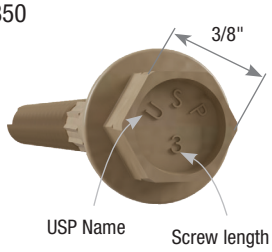


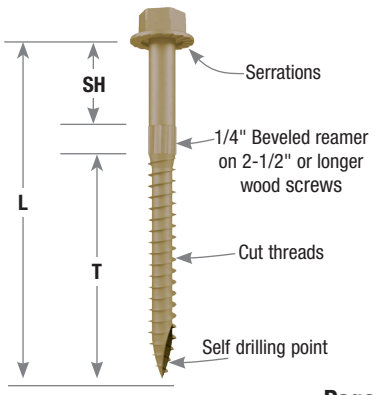
Wood Screws

Size (in)	USP Stock No.	Ref. No.	Dimensions (in)			Finish[1]
			L	SH	T	
1/4 x 3	WS3	SDS1/4X3	3	3/4	2	Zinc
1/4 x 4-1/2	WS45	SDS1/4X41/2	4-1/2	1-1/4	3	Zinc
1/4 x 6	WS6	SDS1/4X6	6	1-3/4	4	Zinc

1) Zinc = Yellow Zinc Dichromate.

Codes:
ESR-2761
FL17231
L.A. City RR 25850





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Fastening Identification / Features

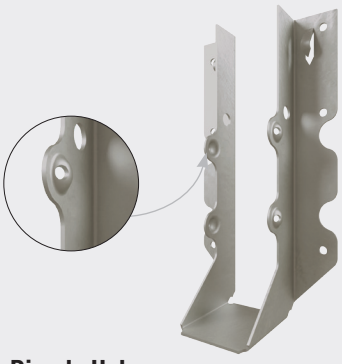
Round Holes:
Always fill all (normal-size) round nail holes, unless otherwise noted.

Diamond Holes:
Optional nailing for maximum listed capacity or for temporary hanger fastening during installation.

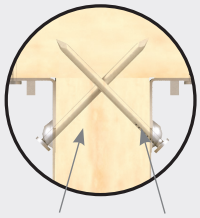
When there are **MIN** and **MAX** values:
MIN: fill all round nail holes
MAX: fill all round and diamond holes

Large Round Holes:
For concrete/masonry installation; no need to be filled when connected to wood. Large round holes may be used during the manufacturing process and do not require a fastener. Verify fastener schedule in product catalog.

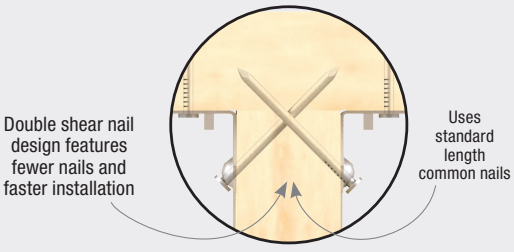
Obround Holes:
For ease of nailing at a tight location; always fill.



Dimple Holes:
Guide double shear nails into the joist and header at a 30° to 45° angle



Use specified standard length common nails. 16d common and 10d common nails are 3-1/2" and 3" long respectively.



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Truss to Wall Connectors

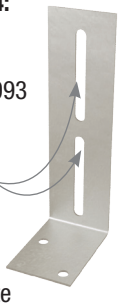
TR / HTC Truss Clips

USP Stock No.	Ref. No.	Fastener Schedule[1]			
		Truss		Plate	
		Qty	Type	Qty	Type
TR1	STC	1	8d	2	8d
TR1T	STCT	1	8d	2	8d
TR2	DTC	2	8d	4	8d
HTC4	HTC4	3	10d x 1-1/2	6	10d x 1-1/2

1) **NAILS:** 8d nails are 0.131" dia. x 2-1/2" long, 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long.

Codes for HTC4:
ESR-0201
FL 17227
L.A. City RR 25993

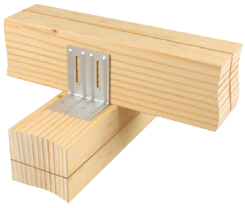
1-1/2" slots allow for truss float. **Do Not** fully seat nails into truss when installing. Locate nails into the center of slots.



TR1T

HTC4

TR2



Typical TR2 installation

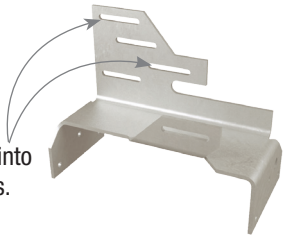
STC Scissor Truss Clips

Wall Width	USP Stock No.	Ref. No.	Fastener Schedule[1]			
			Truss		Plate	
			Qty	Type	Qty	Type
2 x 4	STC24	TC24	5	10d x 1-1/2	6	10d x 1-1/2
2 x 6	STC26	TC26	5	10d x 1-1/2	6	10d x 1-1/2
2 x 8	STC28	TC28	5	10d x 1-1/2	6	10d x 1-1/2

1) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long.

Codes:
ESR-3448
FL 17236
L.A. City RR 25976

1-1/2" slots allow for truss float. **Do Not** fully seat nails into truss when installing. Locate nails into the center of slots.



STC

Typical STC installation

SBP Supplementary Bearing Plates

Wall Width	USP Stock No.	Ref. No.	Joist Thickness	Fastener Schedule[1,3]				
				Plate			Truss	
				Top Qty	Sides Qty	Type	Qty	Type
2 x 4	SBP4	TBE4	2-7/8-in or less	4	8	10d	20	10d x 1-1/2
			3-in or more					10d
2 x 6	SBP6	TBE6	2-7/8-in or less	4	8	10d	28	10d x 1-1/2
			3-in or more					10d

1) Fastener Schedule is for a pair of SBP devices.
2) Multiple ply trusses shall be fastened together to act as a single unit.
3) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.

Codes:
ESR-3448
FL 17236
L.A. City RR 25976

SBP

Typical SBP installation

Plated Truss Installation Guide

Gable / Valley Truss Connectors

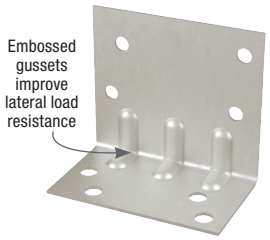
HGA Hurricane Gusset Angles

USP Stock No.	Ref. No.	Fastener Schedule[1]			
		Rafter/Truss		Plate	
		Qty	Type	Qty	Type
HGA10KT	HGA10KT	4	WS15	4	WS3

1) WS15 Wood Screws are 1/4" x 1-1/2" long and WS3 Wood Screws are 1/4" x 3" long.

Codes:
ESR-3448
FL17236
L.A. City RR 25976

Typical HGA10 installation

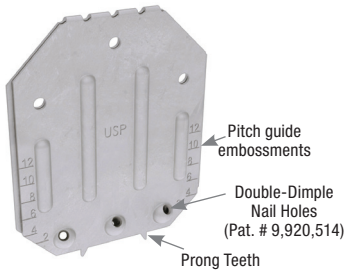


HGA10

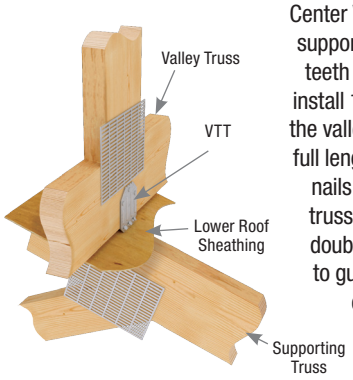
VTT Valley Truss Tie

USP Stock No.	Ref. No.	Fastener Schedule[1]				Supporting Roof Pitch
		Supporting Framing		Valley Truss		
		Qty	Type	Qty	Type	
VTT	VTCR	3	10d	3	10d x 1-1/2	< 4/12
						4/12 to < 8/12
						8/12 to 12/12

1) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.

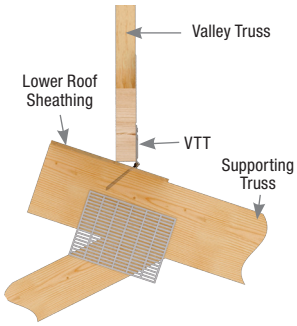


VTT Front View

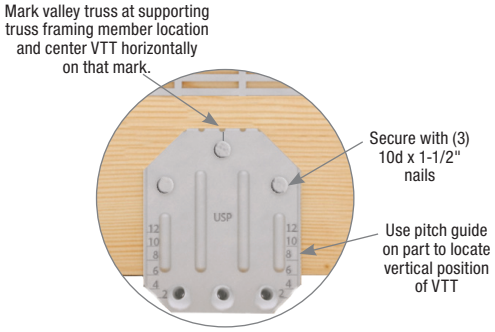


Typical VTT installation

Center VTT over top chord of supporting truss, set prong teeth into sheathing, then install 10dx1-1/2" nails in to the valley truss. Next, install full length (3") 10d common nails into the supporting truss using the patented double dimple nail holes to guide the nails at the correct angles.



Typical VTT side view installation



Alternate Installation for Ground /Pre-Placement installation

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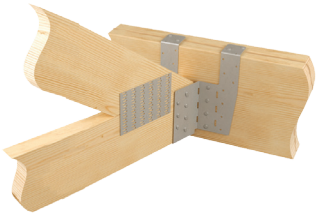
Plated Truss Installation Guide

Skewed Hangers

MSHA Adjustable Strap Skew Hangers

Joist Material & Width	USP Stock No.	Ref. No.	Mounting Condition	Skew Angle (degrees)	Fastener Schedule[1]				
					Supporting Member			Supported Member	
					Top Qty	Face Qty	Type	Qty	Type
2x Trusses	MSHA29L/R	THASR/L29	top-max	22-1/2	4	8	10d	7	10d x 1-1/2
				23 to 45	4	8	10d	4	10d x 1-1/2
				46 to 75	4	8	10d	4	10d x 1-1/2
2-2x Trusses	MSHA29L/R-2	THASR/L29-2	top-max	22-1/2	4	8	10d	7	10d
				23 to 45	4	8	10d	4	10d
				46 to 75	4	8	10d	4	10d
4x Trusses	MSHA422L/R	THASR/L422	top-max	22-1/2	4	8	10d	7	10d
				23 to 45	4	8	10d	4	10d
				46 to 75	4	8	10d	4	10d

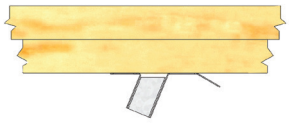
1) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.



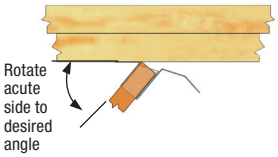
Typical MSHA29L top-max installation

MSHA29L left shown

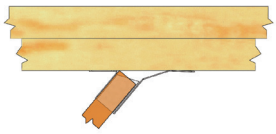
Installation Sequence for Skews > 22½°:



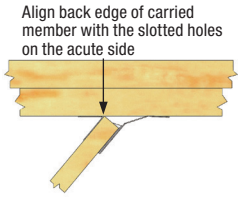
Step 1: Install acute side top and/or face header nails.



Step 2: Utilizing a piece of scrap fastened to the hanger on the obtuse side, bend the hanger to the desired angle.



Step 3: Bend the obtuse side of hanger back toward the header until the flange lies flat against the header, and install header top and/or face nails as noted below.



Step 4: Install carried truss and all required nails fasteners working from the bottom up.

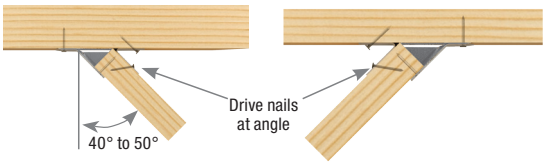
SKH / SKHH Skewed 45º Hangers

Supported Member	USP Stock No.	Ref. No.	Fastener Schedule[1]			
			Supporting Member		Supported Member	
			Qty	Type	Qty	Type
1 Ply	SKH24L/R	SUR/L24	4	16d	4	10d x 1-1/2
	SKH26L/R	SUR/L26	6	16d	6	10d x 1-1/2
	SKH28L/R	-- --	10	16d	8	10d x 1-1/2
	SKH210L/R	SUR/L210	14	16d	10	10d x 1-1/2
2 Ply	SKHH26L/R	-- --	18	16d	12	10d x 1-1/2
	SKHH28L/R	-- --	26	16d	16	10d x 1-1/2
	SKHH210L/R	-- --	34	16d	20	10d x 1-1/2

1) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 16d nails are 0.162" dia. x 3-1/2" long.

Codes for SKH series:
ESR-3446
FL 17243
L.A. City RR 25971

SKHH210L-2 left shown (SKH similar)



Right skew **Left skew**

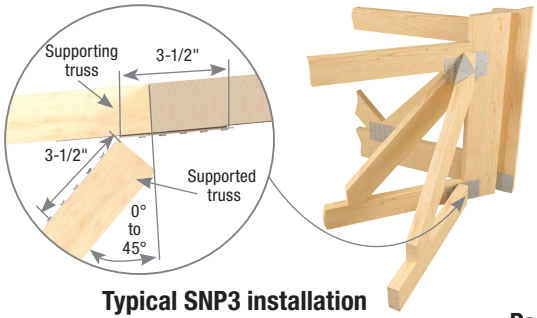
SNP Skewed Nail Plate

USP Stock No.	Ref. No.	Fastener Schedule[1]			
		Supporting Member		Supported Member	
		Qty	Type	Qty	Type
SNP3	TJC37	6	8d x 1-1/2	6	8d x 1-1/2

1) **NAILS:** 8d x 1-1/2" nails are 0.131" dia. by 1-1/2" long.

Codes:
ESR-3446
FL 17243
L.A. City RR 25971

SNP3



Typical SNP3 installation

Plated Truss Installation Guide

Skewed Hangers

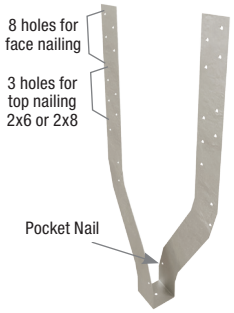
MSSH Severe Skew Hangers

USP Stock No.	Ref. No.	Fastener Schedule[1,2,4]							Girder Truss
		Mounting Condition	Supporting Member				Supported Member[3]		
			Top		Face/ Backside				
			Qty	Type	Qty	Type	Qty	Type	
MSSH217L/R	--	face-max	--	--	16	10d	1	10d x 1-1/2	1 Ply
		top-min	4	10d	6	10d			

1) One or both straps may be bent over bottom chord of girder with top or backside nailing.
2) Maintain minimum 3/4" edge distance when installing nails.
3) The supported member shall be supported by blocking or other means to prevent rotation.
4) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.
Note: The 3 lower holes on each strap are for top nailing when strap is bent.
These holes are not for face nailing.

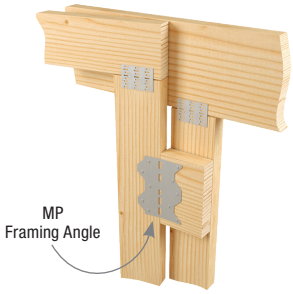
MSSH217L
Left shown attached to web and top of chord

MSSH217R
Right shown attached to webs

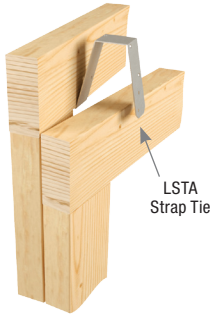


MSSH217R
right shown

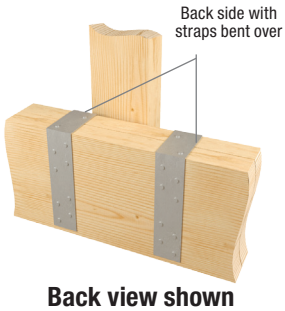
MSSH217R shown bent over bottom chord



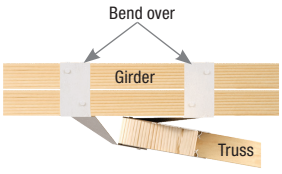
Additional strapping for high uplift



Additional strapping for high uplift



Back view shown



Top view right shown

Plated Truss Installation Guide

Face-Mount Hangers

THDHQ Girder Truss Hangers

Supported Member	USP Stock No.	Ref. No.	Fastener Schedule[1]			
			Supporting Member[3]		Supported Member	
			Qty	Type	Qty[2]	Type
2 Ply	THDHQ26-2	HGUQ26-2-SDS3	12	WS3	4	WS3
	THDHQ28-2	HGUQ28-2-SDS3	20	WS3	8	WS3
	THDHQ210-2	HGUQ210-2-SDS3	28	WS3	8	WS3
3 Ply	THDHQ26-3	HGUQ26-3-SDS4.5	12	WS45	4	WS45
	THDHQ28-3	HGUQ28-3-SDS4.5	20	WS45	8	WS45
	THDHQ210-3	HGUQ210-3-SDS4.5	28	WS45	8	WS45
4 Ply	THDHQ26-4	HGUQ26-4-SDS6	12	WS6	4	
	THDHQ28-4	HGUQ28-4-SDS6	20	WS6	8	WS6
	THDHQ210-4	HGUQ210-4-SDS6	28	WS6	8	WS6

1) WS3 is 1/4" x 3" long wood screw, WS45 is 1/4" x 4-1/2" long wood screw, WS6 is 1/4" x 6" long wood screw and are included with THDHQ hangers.
2) Wood screws specified for supported member must ALL be installed into the supported member while maintaining a minimum 5/8" edge distance where truss connector plates are not present.
3) When fastening to a multi-ply supporting truss: use WS3 for 2-ply, WS45 for 3-ply and WS6 for 4-ply.

Codes:
ESR-3445
FL 17232
L.A. City RR 25843

THDHQ28-2

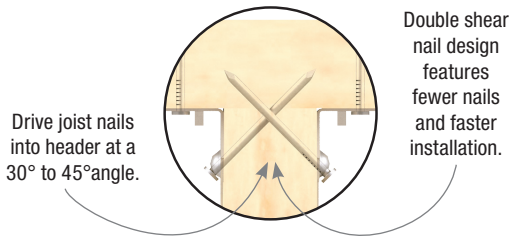
Typical THDHQ28-2 installation

JUS / MUS / HUS / THD / THDH Face Mount Hangers

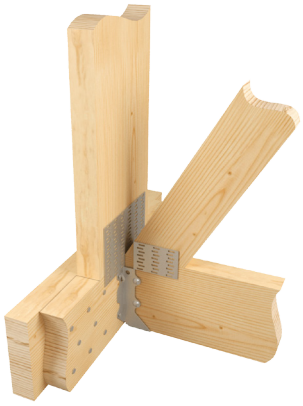
Supported Member	USP Stock No.	Ref. No.	Fastener Schedule[1]			
			Supporting Member		Supported Member	
			Qty	Type	Qty	Type
1 Ply	JUS24	LUS24	4	10d	2	10d
	JUS26	LUS26	4	10d	4	10d
	JUS28	LUS28	6	10d	4	10d
	JUS210	LUS210	8	10d	4	10d
	MUS26	MUS26	6	10d	6	10d
	MUS28	MUS28	8	10d	8	10d
	HUS26	HUS26	14	16d	6	16d
	HUS28	HUS28	22	16d	8	16d
	HUS210	HUS210	30	16d	10	16d
	THDH26	HGUS26	20	16d	8	16d
	THDH28	HGUS28	36	16d	12	16d
2 Ply	THD26-2	HHUS26-2, HTU26-2	18	16d	12	10d
	THD28-2	HHUS28-2, HTU28-2	28	16d	16	10d
	THD210-2	HHUS210-2, HTU210-2	38	16d	20	10d
	THDH26-2	HGUS26-2	20	16d	8	16d
	THDH28-2	HGUS28-2	36	16d	10	16d
	THDH210-2	HGUS210-2	46	16d	12	16d
3 Ply	THD210-3	HHUS210-3	38	16d	20	10d
	THDH26-3	HGUS26-3	20	16d	8	16d
	THDH28-3	HGUS28-3	36	16d	12	16d
	THDH210-3	HGUS210-3	46	16d	16	16d
4 Ply	THD210-4	HHUS210-4	38	16d	20	10d
	THDH26-4	HGUS26-4	20	16d	8	16d
	THDH28-4	HGUS28-4	36	16d	12	16d
	THDH6710	HGUS210-4	46	16d	12	16d
	THDH6712	HGUS212-4	56	16d	14	16d
	THDH6714	HGUS214-4	66	16d	16	16d
4X	HUS410	HUS410	8	16d	8	16d
	THD410	HHUS410	38	16d	20	10d

1) For JUS, MUS, HUS, THDH hangers: Nails must be driven at a 30° to 45° angle through the truss into the header.
2) **NAILS:** 10d nails are 0.148" dia. x 3" long, 16d nails are 0.162" dia. x 3-1/2" long. 16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.

Codes:
ESR-3445
FL 17232
L.A. City RR 25843



JUS, MUS, HUS, THDH double shear nail design



Typical JUS26 installation

JUS28

THD28-2

THDH26-2

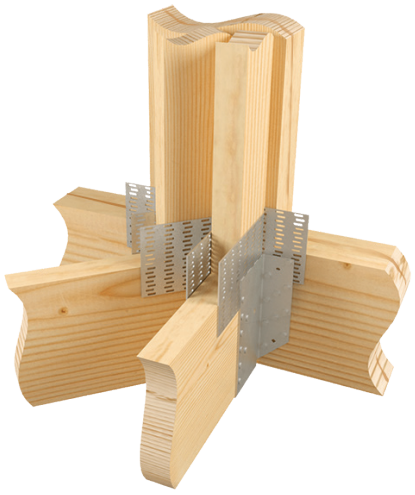
HUS410

HHC / HJC / HJHC / HTHJ Hip/Jack Connectors

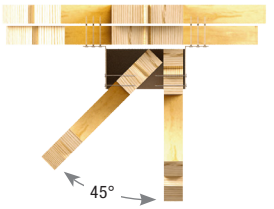
USP Stock No.	Ref. No.	Fastener Schedule[1]				
		Supporting Member[3]		Supported Member per Hip	Supported Member per Jack	Supported Member
		Qty	Type	Qty	Qty	Type
HJC26	LTHJA26, THJA26, THJU26	16	16d	5	7	10d
HJC28	-- --	20	16d	6	8	10d
HHC26	LTHJA26, THJA26	20	16d	5	-- --	10d
HHC28	-- --	24	16d	6	-- --	10d
HJHC26	-- --	20	16d	5	2	10d
HJHC28	-- --	24	16d	6	2	10d
HTHJ26-18	-- --	16	16d	7	5	16d

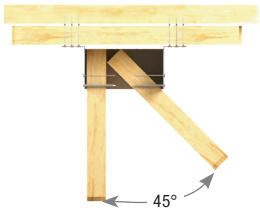
1) **NAILS:** 10d nails are 0.148" dia. x 3" long, 16d nails are 0.162" dia. x 3-1/2" long. 16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.

Codes for HJC series:
ESR-3448
FL 17236
L.A. City RR 25976

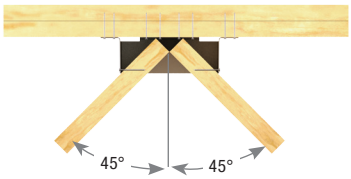


Typical HJC/HTHJ installation

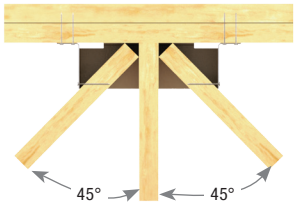




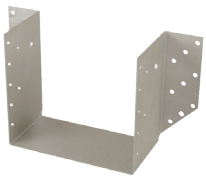
Typical HJC/HTHJ installation top view



Typical HHC installation top view

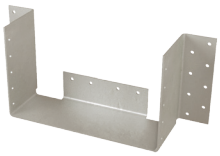


Typical HJHC installation top view

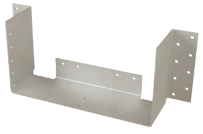


HJC

HTHJ



HHC



HJHC

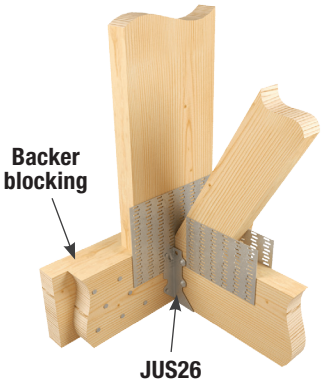
Plated Truss Installation Guide

Alternate Installations

General Blocking Notes

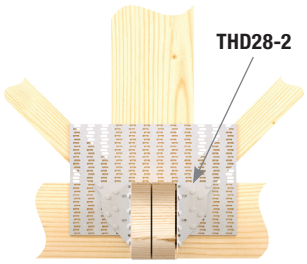
Backer block installation
Wood blocking used to achieve full design load value of a face mount hanger attached to a carrying member. **(Blocking to be designed by truss designer or engineer of record)**

- Wood blocking should be of similar size/grade as the truss member to which it is attached. The blocking should be designed to act as one unit with truss members.
- Truss designer shall approve blocking size/grade, fasteners required, and application.
- All fasteners used to attach wood blocking should be independent of the fasteners in the truss hanger.



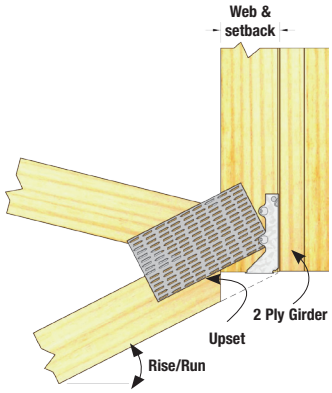
Panel point installation
Connection with face mount hanger attaching to a truss panel point.

Hanger nails that do not penetrate wood in panel point provide no load resistance. Reduce load according to the code.



Alternate Design for Sloped Bottom Chord Trusses

Rise / Run (inches)	Vertical Web	Slope (degrees)
1/12	2 x 4	5/16
	2 x 6	1/2
2/12	2 x 4	5/8
	2 x 6	15/16
3/12	2 x 4	7/8
	2 x 6	1-3/8
4/12	2 x 4	1-3/16
	2 x 6	1-7/8
5/12	2 x 4	1-1/2
	2 x 6	2-5/16
6/12	2 x 4	1-3/4
	2 x 6	2-3/4
7/12	2 x 4	2-1/16
	2 x 6	3-1/4
8/12	2 x 4	2-3/8
	2 x 6	3-11/16
9/12	2 x 4	2-5/8
	2 x 6	4-1/8
10/12	2 x 4	2-15/16
	2 x 6	4-5/8
11/12	2 x 4	3-1/4
	2 x 6	5-1/16
12/12	2 x 4	3-1/2
	2 x 6	5-1/2



This alternate design for sloped bottom chord trusses demonstrates the use of end-vertical upset to allow for the use of non-sloped hangers.

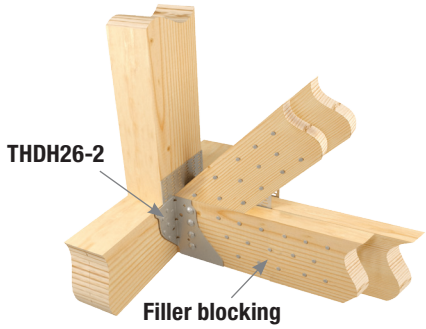
Upset = Rise/Run x (Web + Setback)

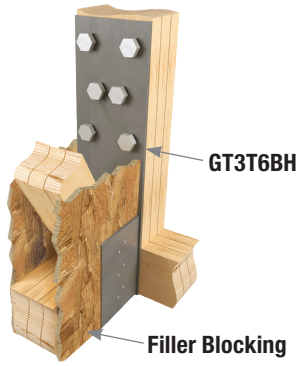
This procedure will work with common standard hangers as well as terminal hangers such as USP's HJC, HHC, and HJHC series. Designer should review the D-dimension on the hanger to confirm the flat area on the vertical is sufficient for full bearing.

Truss designer shall be responsible for all truss design issues, including but not limited to plate shear and truss bearing.

Filler block installation
Wood filler blocking used for supported member width less than hanger width.

Blocking and blocking fasteners/ quantity to be designed by truss designer or engineer of record.





Plated Truss Installation Guide

Strap / Floor Truss Hangers

MSH Adjustable Strap Hangers

USP Stock No.	Ref. No.	Fastener Schedule[1,2,3]								
		Maximum Nailing				Minimum Nailing				
		Supporting Member		Supported Member		Supporting Member			Supported Member	
		Face Qty	Type	Qty	Type	Top Qty	Face Qty	Type	Qty	Type
MSH29	THA29	18	10d	4	10d	4	2	10d	4	10d x 1-1/2
MSH213	THA213	20	10d	4	10d	4	2	10d	4	10d x 1-1/2

1) **Maximum Nailing** - All header nails used should be driven into the wide face of the header. Double shear nailing required through the truss into header.
2) **Minimum Nailing** - The hanger is installed in a top mount condition with at least the top two header face nail holes filled, and four top flange nail holes filled. The strap must wrap over the top at least 2-1/2" and the joist nails shall be installed straight into the joist.
3) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long. 16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.

Codes:
ESR-3444
FL 17241
L.A. City RR 25749

MSH29

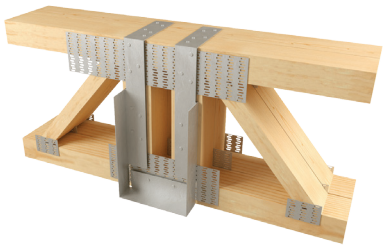
Typical MSH29 maximum/minimum nailing installation

MSH / MSHL/R Adjustable Floor Truss Hangers

Supported Member	USP Stock No.	Ref. No.	Fastener Schedule[2,3]								
			Maximum Nailing				Minimum Nailing				
			Supporting Member		Supported Member		Supporting Member			Supported Member	
			Face Qty	Type	Qty	Type	Top Qty	Face Qty	Type	Qty	Type
1 Ply	MSH418	THA418	18	10d	6	10d	4	2	10d	6	10d
	MSH422	THA422	22	10d	6	10d	4	2	10d	6	10d
	MSH422IF	THAC422	22	10d	4	10d	4	2	10d	4	10d
2 Ply	MSH422-2	THA422-2	26	16d	6	16d	4	4	16d	6	16d
	MSH422-2IF	THAC422-2	26	16d	6	16d	4	4	16d	6	16d
	MSH422L/R	THAL/R422	14	10d	6	10d	4	2	10d	6	10d

1) **Maximum Nailing** - All header nails used should be driven into the wide face of the header. Double shear nailing required through the truss into header for applicable models.
2) **Minimum Nailing** - The hanger is installed in a top mount condition with at least the top two header face nail holes filled, and four top flange nail holes filled. The strap must wrap over the top at least 2-1/2" and the joist nails shall be installed straight into the joist.
3) 10d nails are 0.148" diameter x 3" long and 16d nails are 0.162" diameter x 3-1/2" long.

Codes:
ESR-3444 (MSH Series)
FL17241 (MSH Series)
FL6223 (MSH422L/R)
L.A. City RR 25749 (MSH Series)



Typical MSH422-2IF minimum nailing installation

MSH422L left skew

MSH422L left skew installation

MSH422IF

Plated Truss Installation Guide

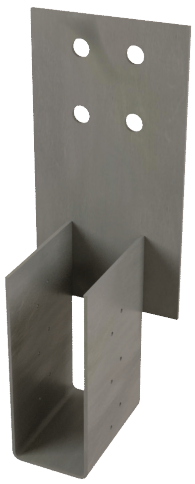
Girder Truss Hangers

GT Girder Truss Hangers

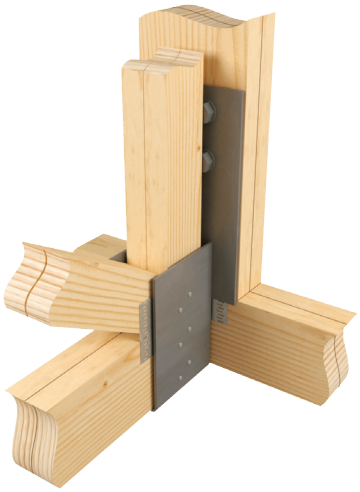
Supported Member	USP Stock No.	Ref. No.	Fastener Schedule[1,2]				Minimum Vertical Member
			Supporting Truss		Supported Truss		
			Qty	Bolt Dia.	Qty	Type	
2 Ply	GT2T2B	-- --	2	3/4	12	16d	2 x 6
	GT2T2BH	-- --	2	1	12	16d	
	GT2T3B	-- --	3	3/4	12	16d	
	GT2T4B	THGB2	4	3/4	12	16d	2 x 8
	GT2T6B	-- --	6	3/4	12	16d	
	GT2T6BH	-- --	6	1	12	16d	
	GT2T8B	THGBH2	8	3/4	12	16d	
3 Ply	GT3T3B	-- --	3	3/4	12	16d	2 x 6
	GT3T3BH	-- --	3	1	12	16d	
	GT3T4B	THGB3	4	3/4	12	16d	2 x 8
	GT3T4BH	-- --	4	1	12	16d	
	GT3T6B	-- --	6	3/4	12	16d	
	GT3T6BH	-- --	6	1	12	16d	
	GT3T8B	THGBH3	8	3/4	12	16d	
	GT3T8BH	-- --	8	1	12	16d	
4 Ply	GT4T4B	-- --	4	3/4	12	16d	2 x 8
	GT4T4BH	-- --	4	1	12	16d	
	GT4T6B	-- --	6	3/4	12	16d	
	GT4T6BH	-- --	6	1	12	16d	
	GT4T8B	THGBH4	8	3/4	12	16d	
5 Ply	GT5T8BH	-- --	8	1	12	16d	2 x 8

1) Bolts shall conform to ASTM A 307 Grade A or better.
2) **NAILS:** 16d nails are 0.162" dia. x 3-1/2" long.

Codes:
ESR-3448
FL 17236
L.A. City RR 25976



GT2T4B



Typical GT2T4B installation

GTQ Girder Truss Hangers

Supported Member	USP Stock No.	Ref. No.	Install Type	Min Vert Web Size	Fastener Schedule[1]					
					Supporting Member[2]			Supported Member		
					Qty	Type[3]	Min. No. of Plies	Qty[4]	Type	No. of Plies
2 Ply	GTQ218	THGQ2-SDS3, THGQH2-SDS3	Min	2x6	18	WS3	2	20	WS3	2
			Max	2x8	30					
3 Ply	GTQ318	THGQ3-SDS4.5, THGQH3-SDS4.5	Min	2x6	25	WS45	2	20	WS45	3
			Max	2x8	33					
4 Ply	GTQ420	THGQH4-SDS6	Min	2x8	41	WS6	3	20	WS6	4
			Max	2x10	47					

1) WS3 Wood Screws are 1/4" x 3" long, WS45 Wood Screws are 1/4" x 4-1/2" long, WS6 Wood Screws are 1/4" x 6" long. Screws are included with GTQ hangers.
2) Truss plies of the supporting member must be fastened together to transfer the load (through all truss plies) that is not transferred by the hanger screws; fastening schedule is to be specified by the truss designer.
3) If the length of the screws going into the supporting truss are longer than the thickness of the plies, refer to the backer block installation on page 9.
4) Wood screws specified for supported member must ALL be installed into the supported member while maintaining a minimum 5/8" edge distance where truss connector plates are not present.

GTQ218

Typical GTQ218 installation