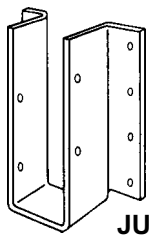
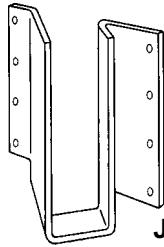


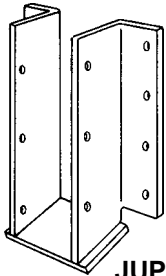
SPECIAL HANGERS



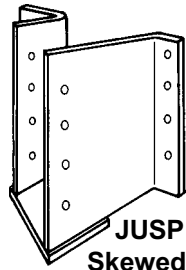
JU



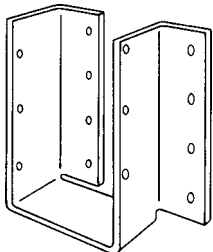
JUS
Skewed



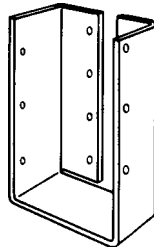
JUP
Pitched Seat



JUSP
Skewed &
Pitched



JUO Offset
(LH Shown)



JUR
Reverse

JU Hangers are a versatile, facemount style. They can be skewed up to 50°. Pitched seats —up or down— have neat corner welds. Welded seat hangers are made from 3/16" steel for loads greater than 2,000 lbs.

JU/JUO/JUP/JUR/JUS/JUSP

Part Number	Size	Nail Schedule		Seat Depth	Normal Load	115% Load
		Face	Pocket			
JU 26	1.6 x 5	(8) 16d	(4) 10d x 1-1/2	2"	1125	1295
JU 28	1.6 x 6-1/2	(10) 16d	(5) 10d x 1-1/2	2"	1410	1620
J U 210	1.6 X 8-1/2	(14) 16d	(6) 10d x 1-1/2	2"	1970	2270
JU 212	1.6 x 11-1/4	(16) 16d	(6) 10d x 1-1/2	2-1/2"	2250	2590
JU 212I	1-3/4 x 11-1/8	(16) 16d	(6) 10d x 1-1/2	2-1/2"	2250	2590
JU 214I	1-3/4 x 13-1/2	(18) 16d	(8) 10d x 1-1/2	2-1/2"	2530	2910
JU 216I	1-3/4 x 15-1/2	(20) 16d	(8) 10d x 1-1/2	2-1/2"	2820	3240
JU (2) 26	3-1/4 x 5	(8) 16d	(4) 10d	2"	1130	1295
JU (2) 28	3-1/4 x 7	(12) 16d	(5) 10d	2"	1690	1945
JU (2) 210	3-1/4 x 9	(14) 16d	(6) 10d	2"	1970	2270
JU (2) 212	3-1/4 x 10-1/2	(16) 16d	(6) 10d	2-1/2"	2250	2590
JU 46	3-9/16 x 4-1/2	(8) 16d	(4) 10d	2"	1125	1295
JU 48	3-9/16 x 6-1/2	(12) 16d	(5) 10d	2"	1690	1945
JU 410	3-9/16 x 8-1/2	(14) 16d	(6) 10d	2"	1970	2270
JU 412	3-9/16 x 10-1/2	(16) 10d	(6) 10d	2-1/2"	2250	2590
JU 414	3-9/16 x 13-1/2	(18) 16d	(8) 10d	2-1/2"	2530	2910
JU 416	3-9/16 x 15-1/2	(20) 16d	(8) 10d	2-1/2"	2820	3240

JUO Offset hangers are made with either the right or left flange formed inward. This style attaches at the end of a header or in tight areas.

JUP Pitched hangers are made with the seat either sloped up or down.

JUR Reverse hangers conceal the flanges or permit attachment at either end of the header. They are made for 3" and wider.

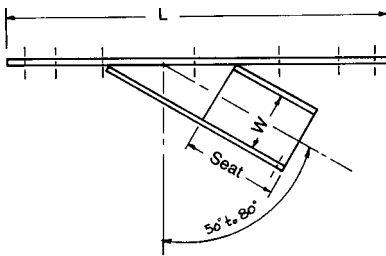
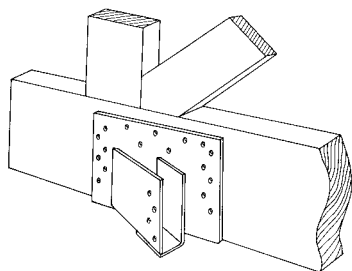
JUS Skewed hangers are made with the pocket either angled toward the right or the left. This allows for angled members to be supported.

JUSP Skewed and Pitched hangers incorporate both the skewed and pitched characteristics.

MATERIAL: 12 ga. and 7 ga.

FINISH: Galvanized G60 and black copolymer paint.

SEVERE SKEW



Right hand skew shown

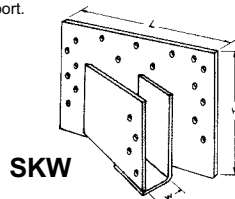
SKW Hangers 50° to 80° Hangers

Specify the skew angle off of 90°; right hand or left hand. SKW style are face mount. Charted sizes are for single ply pockets. Other pocket widths available with same allowable loads. Heavy 11 gauge or 3/16" steel, black copolymer paint finish. Heavier loads may require SKWE style with top flange bearing. MATERIAL: 11 ga. and 7 ga. FINISH: Black copolymer paint.

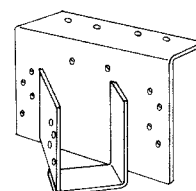
Part Number	Dimensions			Seat Brg.	Steel Gauge	*Allowable Loads (lbs.)			Nail Schedule	
	W	H	L			Normal	115%	Uplift	Header	Joist
SKW 26	1-5/8	5	9	2-1/2	11 ga.	1030	1185	545	(10) 10d x 1-1/2	(4) 10d x 1-1/2
						1230	1415	545	(10) 10d	(4) 10d x 1-1/2
						1450	1665	545	(10) 16d	(4) 10d x 1-1/2
SKW 28	1-5/8	6	10-1/2	2-1/2	11 ga.	1315	1510	545	(15) 10d x 1-1/2	(4) 10d x 1-1/2
						1565	1800	545	(15) 10d	(4) 10d x 1-1/2
						1845	2125	545	(15) 16d	(4) 10d x 1-1/2
SKW 210	1-5/8	8-1/4	10-1/2	3	3/16	1750	2010	545	(20) 10d x 1-1/2	(4) 10d x 1-1/2
						2090	2400	545	(20) 10d	(4) 10d x 1-1/2
						2465	2830	545	(20) 16d	(4) 10d x 1-1/2

*Allowable load when attaching to single ply girder is limited to 10d x 1-1/2 load.

Hangers are designed to UBC Standards but due to their numerous configurations, skewed hangers do not appear on a code report.

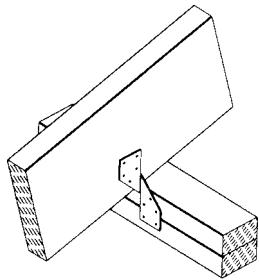


SKW

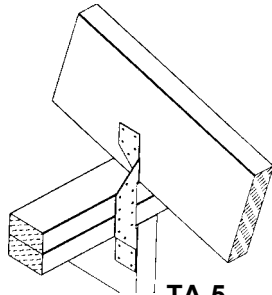


SKWE

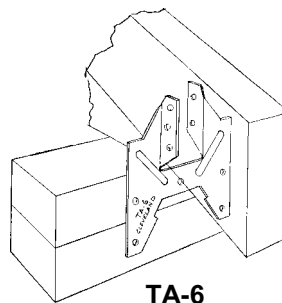
WIND ANCHORS



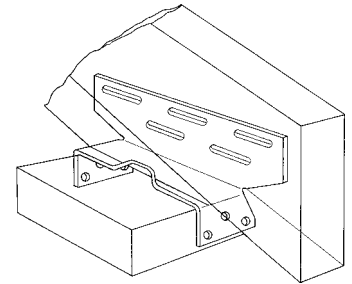
TA-4



TA-5



TA-6



STC

TA-4 Truss Anchor attaches to double wall plate. May be used back to back for greater uplift value. Available as TA-4N (packaged with nails).

TA-5 Truss Anchor ties a truss to wall plate and stud.

TA-6 Truss Anchor provides high uplift rating. Attaches to double wall plate. Truss flanges formed in opposite directions to accept 8d nails.

FA-1 Framing Anchor ties a truss to single wall plate. Available right or left hand. Must use same hand for back to back installation. Nails included.

STC anchor scissor trusses while permitting the truss to move outward reducing wall buckle. The STC base reduces friction 20%. Slotted holes allow a full 1" movement and the formed lip retains the truss during nailing. Heavy-duty 16 gauge galvanized steel. Made for nominal 4", 6" and 8" wall plates.

MATERIAL: 18 ga. FINISH: Galvanized G60

CLEVELAND TRUSS ANCHORS

Part Number	Uplift Max.*	Nail Schedule			Gauge	Width	Height
		Truss	Plate	Stud			
TA-4	430	(4) 8d x 1-1/4"	(4) 8d x 1-1/4"	—	18	1-1/2"	5-3/4"
TA-5	400	(4) 8d	(2) 8d	(4) 8d	18	1-1/2"	10-1/2"
TA-6	550	(5) 8d	(5) 8d	—	18	4	4-7/8"
STC-4	500	(4) 8d	(5) 8d	—	16	3-1/2"	3-9/16"
STC-6	500	(5) 8d	(6) 8d	—	16	5-1/2"	3-9/16"
STC-8	500	(5) 8d	(6) 8d	—	16	7-1/4"	3-9/16"
FA-1	315	(3) 8d x 1-1/4"	(3) 8d x 1-1/4"	—	18	1-1/2"	4-3/4"
FA-2	315	(3) 8d x 1-1/4"	(3) 8d x 1-1/4"	—	18	1-1/2"	4-3/4"
FA-3	630	(3) 8d x 1-1/4"	(3) 8d x 1-1/4"	—	18	1-1/2"	4-3/4"

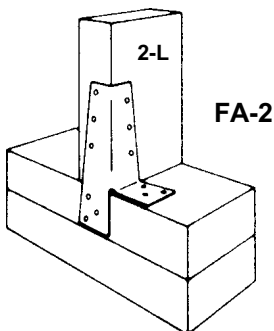
*Uplift has been increased 33% for wind. No further increase allowed

Code Report: BOCA, ICBO, SBCCI No. NER 464

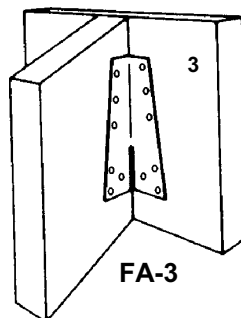
FRAMING ANCHORS

Framing Anchors are designed for proper nail location to avoid splitting. They solve many framing conditions where a better than toenail connection is desired. FA-1, FA-2 and FA-3 are 4-3/4" high with 15/16" x 15/16" top angle and 1-1/2" x 1-1/2" lower flanges. Tabs are 1-1/2" long. Special 11 gauge x 1-1/4" nails packed in all cartons. FA-1 and FA-2 are available in right or left hand. Packed 100 per carton including nails. MATERIAL: 18 ga. FINISH: Galvanized G60.

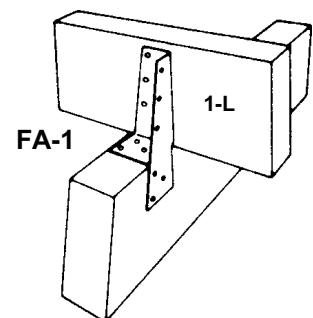
2" x 1-1/2" lower flanges. Tabs are 1-1/2" long. Special 11 gauge x 1-1/4" nails packed in all cartons. FA-1 and FA-2 are available in right or left hand. Packed 100 per carton including nails. MATERIAL: 18 ga. FINISH: Galvanized G60.



FA-2

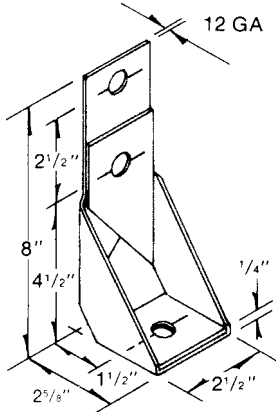


FA-3

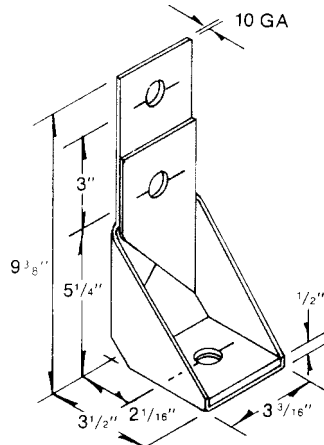


FA-1

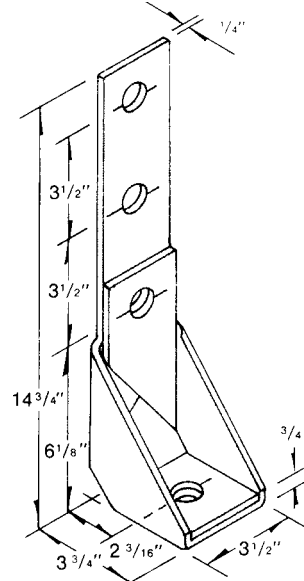
BOLTED ANCHORS



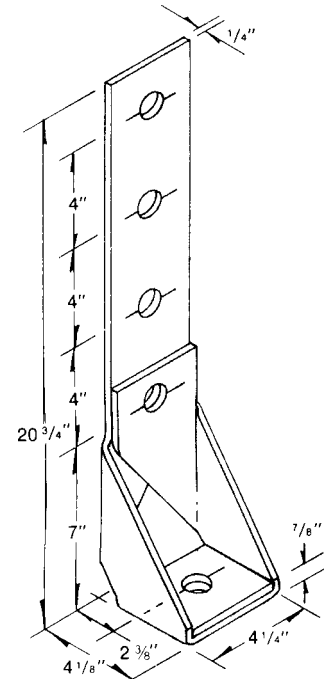
CAB2A



CAB5A

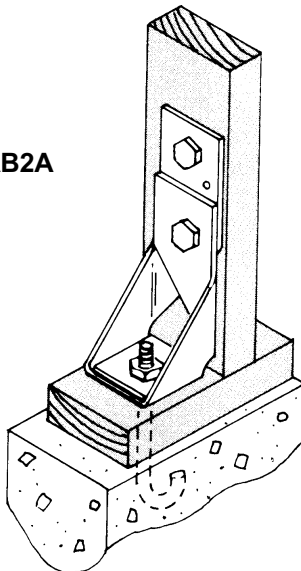


CAB7A



CAB20A

CAB2A



ALLOWABLE VERTICAL LOAD FOR ABA BOLTED ANCHORS

Part Number	Number and Diameter of Bolts to Wood (Inches)	Bolt Diameter to Concrete (Inches)	Suggested Minimum Embedment (Inches)	Allowable Load Thickness				
				1-1/2	2	2-1/2	3	3-1/2
CAB-2A	(2) 5/8 M.B.	5/8	13	1960	2495	3025	3160	3290
CAB-5A	(2) 3/4 M.B.	3/4	15	2360	3100	3840	4250	4655
CAB-7A	(3) 7/8 M.B.	1-1/8	19	3230	4280	5810	6700	7590
CAB-20A	(4) 1 M.B.	1-1/4	27	3935	5320	7645	9005	10365

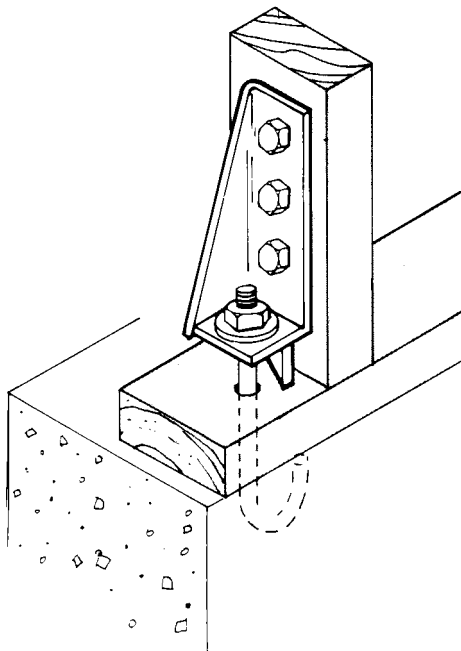
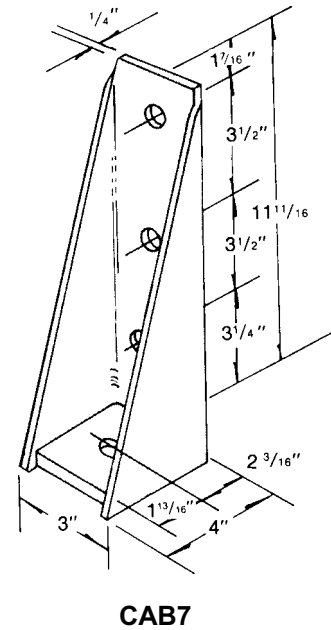
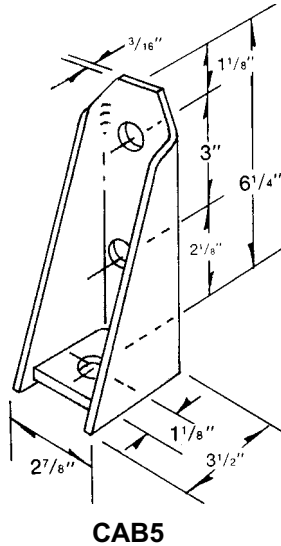
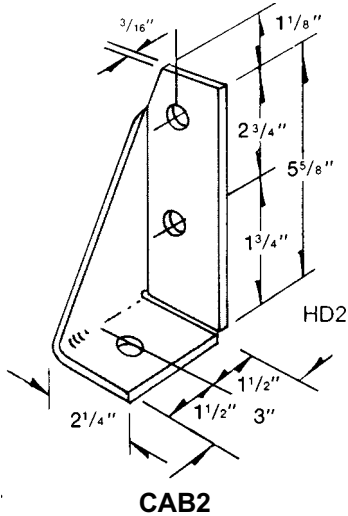
Installation Notes:

Standard washers are required for CAB series; washers are not required for ABA series, however washers are necessary under nuts for both types. Maintain 7 bolt diameter spacing on CAB types: measured from top of plate to center of first bolt. Match drill bolt holes to avoid splitting wood.

MATERIAL: 12 ga., 10 ga., and 3 ga.

FINISH: Galvanized G60 and black copolymer paint.

BOLTED ANCHORS



ALLOWABLE VERTICAL LOAD FOR AB BOLTED ANCHORS

Part Number	Number and Diameter of Bolts to Wood ²	Bolt Diameter to Concrete (In Inches)	Suggested Minimum Embedment ³ (In Inches)	Height (In Inches)	Allowable Load Thickness			Steel Thickness
					1-1/2	2-1/2	3-1/2	
CAB 2	(2) 5/8 M.B.	5/8	6.5	5-5/8	1961	3025	3242	3/16"
CAB 5	(2) 3/4 M.B.	3/4	8.5	6-1/4	2360	3841	4655	3/16"
CAB 6	(3) 3/4 M.B.	1	11.5	12-1/2	3541	5760	6982	1/4"
CAB 7	(3) 7/8 M.B.	1-1/8	15.0	11-11/16	4185	6833	8928	1/4"
CAB 9	(3) 1 M.B.	1-1/8	15.0	16-1/2	—	—	10647	1/4"

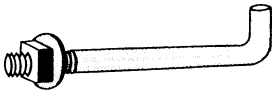
Design Notes:

Allowable loads are predicated on group II wood (SYP/DFL). Duration of load increases of 33-1/3% are included. Minimum end distance of 7 bolt diameters is required. Bolt holes are 1/16" larger than bolt diameter. Vertical members must be checked for net section reduction. Embedment assumes standard J-anchor bolt with 4d return. Embedment can also be met with L-bolt and 12d extension. Bottom plates (mud sills) must be checked for perpendicular-to-grain loading.

MATERIAL: 7 ga. and 3 ga.

FINISH: Black copolymer paint.

ANCHOR BOLT



For anchoring sills to masonry walls. 2" thread one end. Opposite end bent 1-1/2" on inside. Nuts and washers included.

MATERIAL: 1/2" and 3/8" Diam. round bar stock.
FINISH: Mill.

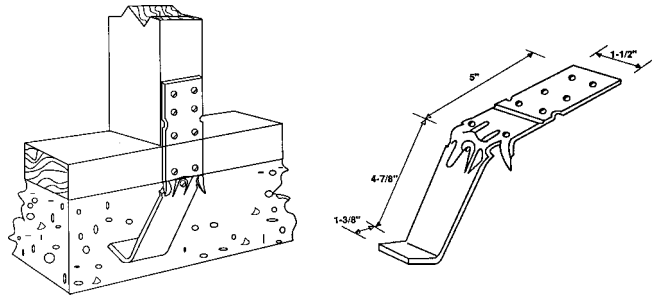
Part Number	Size	Part Number	Size
AB-6	1/2 x 6	AB-14	1/2 x 14
AB-8	1/2 x 8	AB-16	1/2 x 16
AB-10	1/2 x 10	AB-18	1/2 x 18
AB-12	1/2 x 12		
FB-6	3/8 x 6	FB-10	3/8 x 10
FB-8	3/8 x 8	FB-12	3/8 x 12

Packaged 50 pcs / carton

MUDSILL ANCHOR

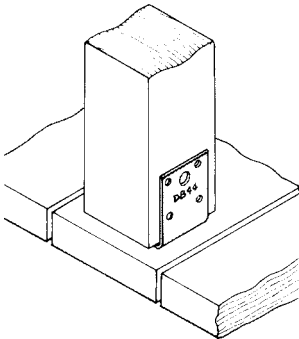
Anchors mudsill and/or stud to slab or footer. Hammer prongs into form before pour or MS-10 can be positioned after pour. Easy to screed concrete and wrap around sill or nail to stud. Excellent 1100 lb. uplift rating.

MATERIAL: 16 ga. FINISH: Galvanized.



Part Number	Fasteners		Design Loads (lbs.)			
	Side	Top	Uplift	Perpendicular to Plate		
				Parallel to Plate	Toward Anchor	Away from Anchor
MS-10	(2) 10d x 1-1/2"	(6) 10d x 1-1/2"	1118	1106	781	1000

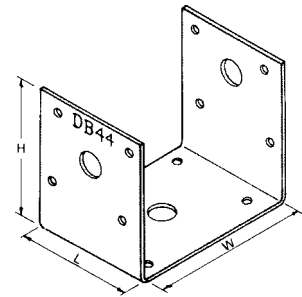
DECK BRACKET



DB Deck Brackets are handy for light-duty connections as a base or cap. Anchors rail posts to deck or cross members to beam. Four sizes in stock. Special sizes made to order.

MATERIAL: 18 ga. FINISH: Galvanized.

Part Number	Post Size	W	L	H	Nails		Lateral Loads Lbs.
					Base	Sides	
DB-34	Dbl. 2 x 4	3-1/8	2-1/2	3-1/4	(4) 16d	(8) 10d	540
DB-44	4 x 4	3-9/16	2-1/2	3	(4) 16d	(8) 10d	540
DB-46	4 x 6	5-9/16	2-1/2	3	(4) 16d	(8) 16d	540
DB-66	6 x 6	5-9/16	4-1/2	3-1/8	(4) 16d	(12) 16d	540

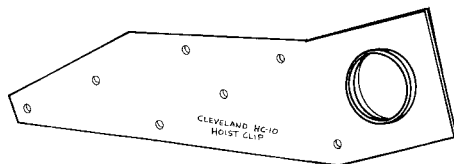


DB

HOIST CLIP

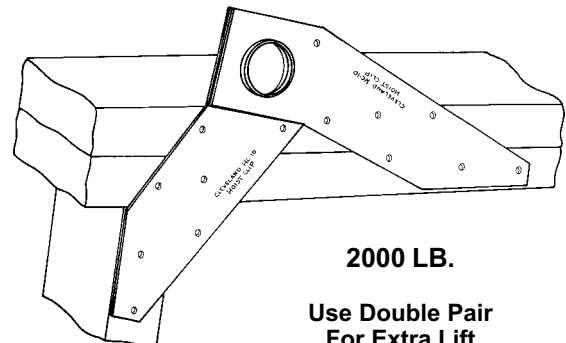
HC-10 Hoist Clip attaches to wall panels for overhead crane lifting. Offset design avoids interference when a roof truss locates over the stud. HC-10 installs three ways; to a stud with double plate; a stud with single plate; or a double plate only.

MATERIAL: 14 ga. FINISH: Galvanized G60.



1000 LB.

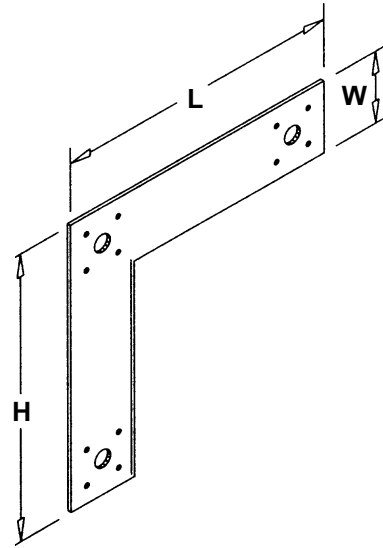
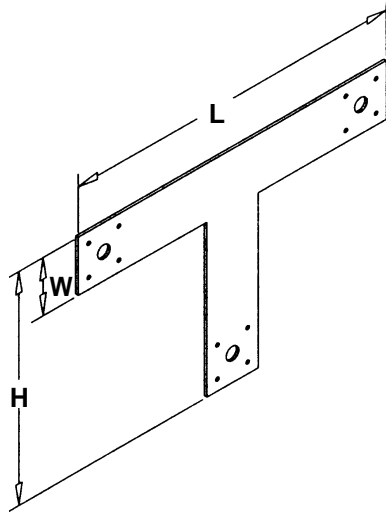
1000 lb. LIFT RATING REINFORCED HOLE. (6) 16d COMMON OR DUPLEX NAILS



2000 LB.

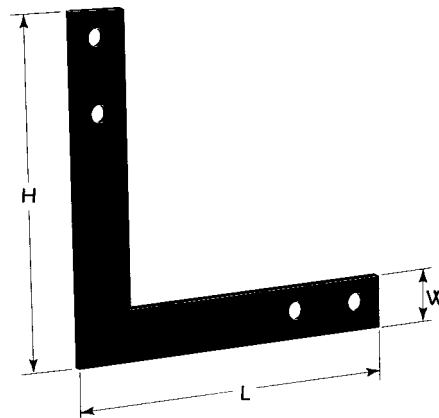
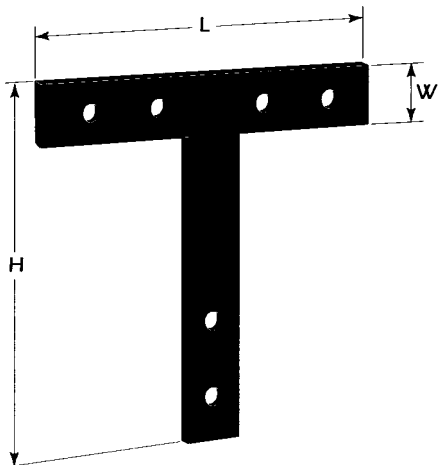
Use Double Pair For Extra Lift

TEES & ELLS



Part Number	Gauge	Dimensions			Fasteners	
		H	L	W	Bolts	Nails
TEE-6	14	5	6	1-1/2	(3) 1/2	(12) 16d
TEE-8	14	8	8-1/2	2	(3) 1/2	(12) 16d
TEE-12	14	8	12	2	(3) 1/2	(12) 16d
TEE-16	14	11	15-3/4	3	(3) 1/2	(12) 16d
TEE-12/12	14	12	12	2	(3) 1/2	(12) 16d
ELL-6	14	6	6	1-1/2	(2) 1/2	(8) 16d
ELL-8	14	8	8	3	(2) 1/2	(8) 16d
ELL-12/12	14	12	12	2	(3) 1/2	(12) 16d

MATERIAL: 14 ga.
FINISH: Galvanized G60



Note: Although Tees & Ells provide stiffness to joints, they should not be used as moment-resisting connectors, nor as substitutions for X and K bracing.

MATERIAL: 7 ga.

Part Number	Gauge	Dimensions			Fasteners
		H	L	W	Bolts
TEE-12H	7	12	12	2-1/2	(4) 5/8
TEE-16H	7	16	16-1/4	2-1/2	(6) 5/8
ELL-12H	7	12	12	2-1/2	(5) 5/8
ELL-16H	7	16	16	2-1/2	(7) 5/8

FINISH: Black copolymer paint.
OPTION: Hot-dip galvanized, available as a special order.

T TRUSS SPACER



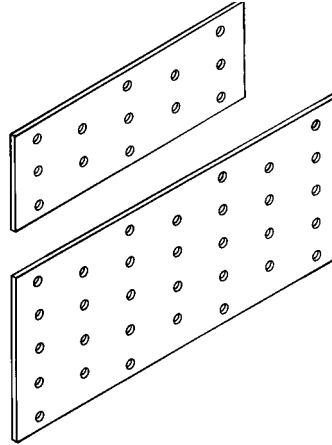
ACCURATE - QUICK - ECONOMICAL

Truss Spacers speed the placing of roof trusses, eliminates need to cut and remove spacer blocks. End flanges accurately locate each truss top and bottom chords at 24" center to center spacing. **WARNING: Not to be used as bracing.** TSP-24 has no structural value. Wood bracing must be added in accordance with truss manufacturers recommendation.

TSP-24 50 pcs / bundle

MATERIAL: 18 ga. **FINISH:** Galvanized.

T TIE PLATES

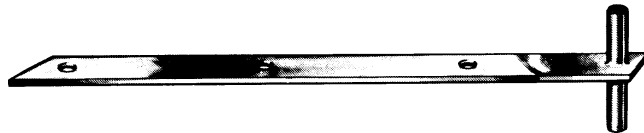


Tie Plates have many applications. Nail onto intersection walls, mend weak sections and use as splice plates. Holes for 8d nails. Other sizes available on special order.

MATERIAL: 20 ga.
FINISH: Galvanized.

Part Number	Width x Length	Holes
TP-15	1-13/16" x 5"	13
TP-37	3-1/8" x 7"	32

J JOIST ANCHORS

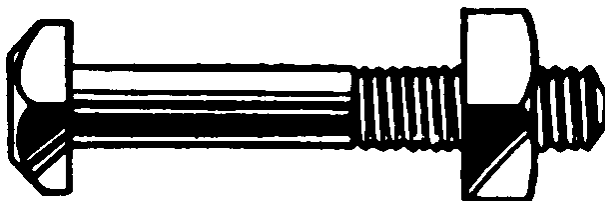


Joist Anchor No. T18A, T18B and T24 normally used every fourth joist to anchor end of joist to masonry wall. No. T40 and T48 are used on 8 foot centers to anchor joists to parallel masonry wall. Pins are 1/2 x 5 welded in place. Bulk packed, plain finish, other finishes available. Special sizes made to order.

T-ANCHORS for end & side wall anchoring

Part Number	Size (inches)	Hole Spacing	Wt. per 100
T18A	3/16 x 1 x 18	3" centers	125 lbs.
T18B	1/14 x 1-1/4 x 18	3" centers	190 lbs.
T24	3/16 x 1 x 24	6" centers	156 lbs.
T40	3/16 x 1 x 40	16" centers	241 lbs.
T48	1/14 x 1-1/4 x 48	16" centers	460 lbs.

B BOLTS-NUTS-WASHERS



Part Number	Nut Size
NT-50	1/2"-13NC Hex Nut
NT-63	5/8"-11NC Hex Nut
NT-75	3/4"-10NC Hex Nut

Part Number	Washers
WA-50	1/2" Flat
WA-50	5/8" Flat
WA-75	3/4" Flat
WA-75G	3/4" O.G.

Available in 6, 8, and 10 bolt packages (3/4" diameter) for Bucket Hangers. Add "P" to nomenclature, i.e., PBT 75-3.0. Includes washers and nuts.

MATERIAL: A 325 **FINISH:** Plain
OPTION: Hot-dip galvanized, zinc or stainless steel are available as a special order.

Bolt Lengths for Girder Trusses	
1-Ply	3.0"
2-Ply	4.5"
3-Ply	6.0"
4-Ply	7.5"
5-Ply	9.0"

Part Number	Bolt Size
BT 50-3.0	1/2"-13NC x 3" Hex Hd.
BT 50-4.5	1/2"-13NC x 4-1/2" Hex Hd.
BT 50-6.0	1/2"-13NC x 6" Hex Hd.
BT 50-7.5	1/2"-13NC x 7-1/2" Hex Hd.
BT 50-9.0	1/2"-13NC x 9" Hex Hd.
BT 50-10.5	1/2"-13NC x 10-1/2" Hex Hd.
BT 63-3.0	5/8"-11NC x 3" Hex Hd.
BT 63-4.5	5/8"-11NC x 4-1/2" Hex Hd.
BT 63-6.0	5/8"-11NC x 6" Hex Hd.
BT 63-7.5	5/8"-11NC x 7-1/2" Hex Hd.
BT 63-9.0	5/8"-11NC x 9" Hex Hd.
BT 63-10.5	5/8"-11NC x 10-1/2" Hex Hd.
BT 75-3.0	3/4"-10NC x 3" Hex Hd.
BT 75-4.5	3/4"-10NC x 4-1/2" Hex Hd.
BT 75-6.0	3/4"-10NC x 6" Hex Hd.
BT 75-7.5	3/4"-10NC x 7-1/2" Hex Hd.
BT 75-9.0	3/4"-10NC x 9" Hex Hd.