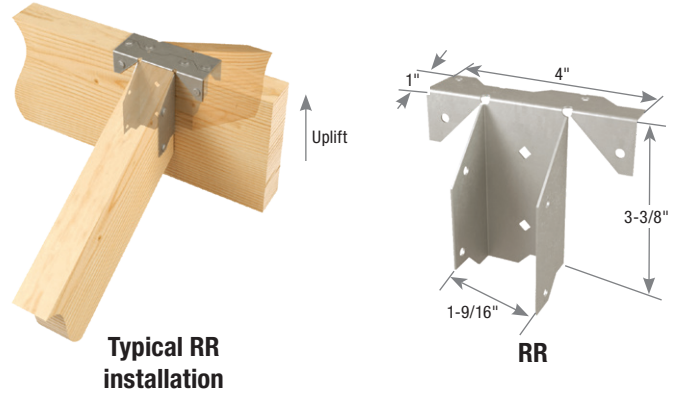


The RR Ridge Rafter supports rafter pitches up to 7:12 (30°). Nesting top flange for back-to-back installation on 2x support beams.

Materials: 18 gauge
Finish: G90 galvanizing

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- The rafter end at the ridge must be plumb cut to achieve published loads.
- Optional diamond nail holes can be used to fasten RR to end of rafter before setting rafter into place.



MiTek USP Stock No.	Ref. No.	Steel Gauge	Min Rafter Size	Fastener Schedule ²				DF/SP Allowable Loads (Lbs.) ¹				S-P-F Allowable Loads (Lbs.) ¹				Code Ref.
				Header		Rafter		Download				Uplift				
				Qty	Type	Qty	Type	100%	115%	125%	160%	100%	115%	125%	160%	
RR	RR	18	2 x 6	4	10d x 1-1/2	4	10d x 1-1/2	365	365	365	205	290	290	290	160	--
				4	LL915	4	LL915	380	380	380	180	320	320	320	150	

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
 2) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long and LL915 denotes a MiTek LumberLok Screw, #9 x 1-3/8" long.

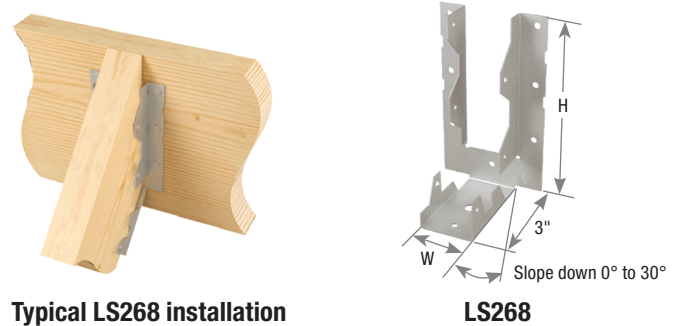
LS Light Slope Rafter Hangers

A field-adjustable seat gives the LS hanger application flexibility. The LS hanger slopes from 0° to 30° down (0 to 7:12 pitch down).

Materials: 18 gauge
Finish: G90 galvanizing
Codes: IBC, FL, LA

Installation:

- Use all specified fasteners. See Product Notes, page 18.
- The LS can be field adjusted to slopes from 0° to 30° down.



Joist Size	MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Fastener Schedule ²				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)				Code Ref.
				W	H	Header		Joist		Download				Uplift ¹				
						Qty	Type	Qty	Type	100%	115%	125%	160%	100%	115%	125%	160%	
2 x 6 - 8	LS268	--	18	1-9/16	5-1/2	7	10d x 1-1/2	7	10d x 1-1/2	840	960	1035	660	740	850	925	530	IBC, FL, LA
						7	16d			1000	1135	1170	660	880	940	940	530	
2 x 10	LS210	--	18	1-9/16	7-7/8	9	10d x 1-1/2	9	10d x 1-1/2	1080	1230	1330	1035	950	1085	1085	835	IBC, FL, LA
						9	16d			1285	1350	1350	1035	1085	1085	1085	835	

1) Uplift loads are increased 60% for wind or seismic loads; no further increase shall be permitted.
 2) **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. New products or updated product information are designated in **blue font**.

The LSSH series connects rafters to ridge beams in vaulted roof structures. This series is field adjustable to meet a variety of skew and/or slope applications. Slopes and skews 0° to 45°.

Materials: See chart

Finish: G-185 galvanizing

Options: See Chart for Corrosion Finish Options

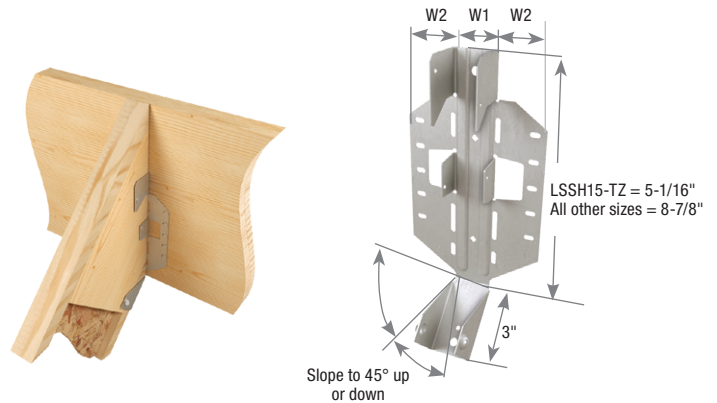
Codes: IBC, FL, LA

Installation:

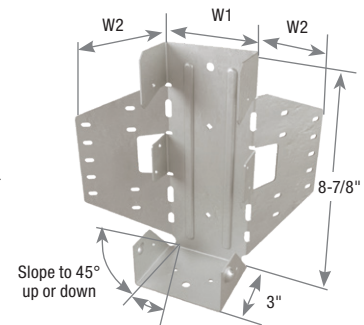
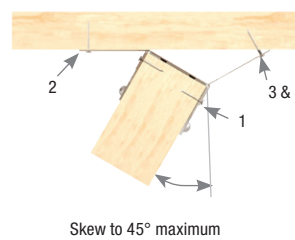
- Use all specified fasteners. See Product Notes, page 18.

Steps:

1. Position LSSH connector against plumb-cut end of joist. Fasten joist side flanges on both sides with 10d (0.148") x 1-1/2" nails. Bend seat up to fit against joist bottom and drive (1) 10d (0.148") x 1-1/2" nail through bottom seat into rafter bottom. Drive (2) 10d (0.148") x 1-1/2" nails at downward angle through dimpled nailing guides.
 2. Lean connector and rafter end against ridge beam at desired position. Install specified 10d (0.148" dia. x 3") or 16d (0.162 x 3-1/2") nails through nail holes into ridge beam at right 90° angle. If skewing the rafter, only drive nails into ridge beam on inside flange.
 3. Bend flange to desired angle.
 4. Hammer outside flange until edge touches header. Fasten outside flange to ridge by driving specified 10d (0.148" dia. x 3") or 16d (0.162 x 3-1/2") nails through nail holes.
- Web stiffeners are required for all wood I-Joist installations.
 - Designer may consider adding a tension restraint for the supported member for roof slopes exceeding 6/12. Refer to page 122.



Typical LSSH179 installation



LSSH35

Rafter Width (in)	MiTek USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Fastener Schedule ^{2,3}				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)				Corrosion Finish	Code Ref.
				W1	W2	Header		Rafter		Floor	Roof	Uplift ¹	160%	Floor	Roof	125%	160%		
						Qty	Type	Qty	Type										
SLOPED ONLY HANGERS																			
1-1/2	LSSH15-TZ	LSSJ26LZ, LSSJ26RZ, LSSJ28LZ, LSSJ28RZ	18	1-9/16	1-3/4	6	10d HDG	7	10d x 1-1/2 HDG	720	820	885	565	640	730	785	440		
1-1/2	LSSH210-TZ	LSSJ210LZ, LSSJ210RZ	18	1-9/16	1-3/4	10	10d	7	10d x 1-1/2	1200	1370	1395	410	1065	1090	1090	320		
1-3/4	LSSH179-TZ	LSSR1.81Z	18	1-13/16	1-5/8	10	10d	7	10d x 1-1/2	1200	1370	1395	880	1065	1090	1090	690		
2 - 2-1/8	LSSH20-TZ	LSSR2.1Z	18	2-1/8	2-1/2	10	10d	7	10d x 1-1/2	1200	1370	1395	795	1065	1085	1085	620		
2-1/4 - 2-5/16	LSSH23-TZ	LSSR2.37Z	18	2-5/16	2-3/8	10	10d	7	10d x 1-1/2	1200	1370	1395	795	1065	1085	1085	620		
2-1/2	LSSH25-TZ	LSSR2.56Z	16	2-9/16	2-3/4	18	16d	12	10d x 1-1/2	2095	2095	2095	945	1640	1640	1640	740		
2-5/8	LSSH26-TZ	--	16	2-11/16	2-5/8	18	16d	12	10d x 1-1/2	2095	2095	2095	945	1640	1640	1640	740		
3	LSSH31-TZ	LSSR210-2Z	16	3-1/8	3-3/4	18	16d	12	10d x 1-1/2	2645	3000	3090	1310	2345	2415	2415	1025		
3-1/2	LSSH35-TZ	LSSR410Z	16	3-9/16	3-1/2	18	16d	12	10d x 1-1/2	2645	3000	3090	1310	2345	2405	2405	1020		
SKEWEH HANGERS or SLOPED & SKEWEH HANGERS																			
1-1/2	LSSH15-TZ	LSSJ26LZ, LSSJ26RZ, LSSJ28LZ, LSSJ28RZ	18	1-9/16	1-3/4	6	10d HDG	7	10d x 1-1/2 HDG	620	620	620	510	485	485	485	400		
1-1/2	LSSH210-TZ	LSSJ210LZ, LSSJ210RZ	18	1-9/16	1-3/4	10	10d	7	10d x 1-1/2	1200	1370	1395	880	1065	1090	1090	690		
1-3/4	LSSH179-TZ	LSSR1.81Z	18	1-13/16	1-5/8	10	10d	7	10d x 1-1/2	1200	1370	1395	880	1065	1090	1090	690		
2 - 2-1/8	LSSH20-TZ	LSSR2.1Z	18	2-1/8	2-1/2	10	10d	7	10d x 1-1/2	1200	1230	1230	795	960	960	960	620		
2-1/4 - 2-5/16	LSSH23-TZ	LSSR2.37Z	18	2-5/16	2-3/8	10	10d	7	10d x 1-1/2	1200	1230	1230	795	955	955	955	620		
2-1/2	LSSH25-TZ	LSSR2.56Z	16	2-9/16	2-3/4	14	16d	12	10d x 1-1/2	1610	1610	1610	945	1260	1260	1260	740		
2-5/8	LSSH26-TZ	--	16	2-11/16	2-5/8	14	16d	12	10d x 1-1/2	1610	1610	1610	945	1260	1260	1260	740		
3	LSSH31-TZ	LSSR210-2Z	16	3-1/8	3-3/4	14	16d	12	10d x 1-1/2	1610	1610	1610	1310	1260	1260	1260	1025		
3-1/2	LSSH35-TZ	LSSR410Z	16	3-9/16	3-1/2	14	16d	12	10d x 1-1/2	1610	1610	1610	1310	1255	1255	1255	1020		

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
 2) Stainless steel ring shank nails must be used with stainless steel connectors to achieve tabulated allowable loads.
 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 nails are 0.162" dia. x 3-1/2" long.
 New products or updated product information are designated in **blue font**.

Corrosion Finish
■ Stainless Steel ■ Gold Coat
■ HDG ■ Triple Zinc

SKH / SKHH Skewed 45° Hangers

SKH – Standard 45° skew hanger allows for a 40° to 50° skew range, without hanger modification

SKHH – For heavier applications

Materials: 14 or 16 gauge

Finish: G90 galvanizing

Options: See chart for Corrosion Finish Options

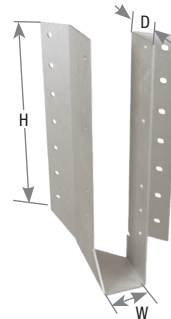
Codes: See chart for code references



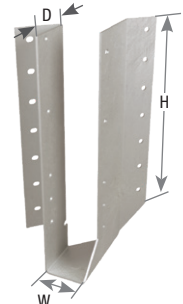
SKH26R
right skew



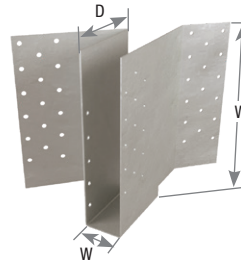
SKH26L
left skew



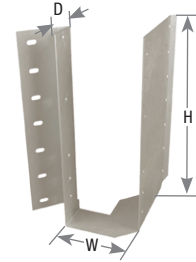
SKH210R



SKH210L



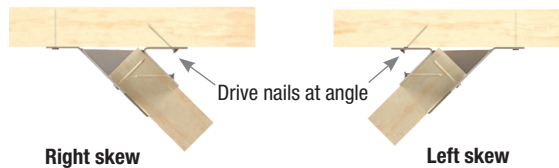
SKHH210L
left skew



SKHH210L-2
left skew



Typical SKH26L
installation
left skew



Right skew

Left skew

Beam/Joist Size	MiTek USP Stock No.	Ref. No.	Ga.	Dimensions (in)			Fastener Schedule ²				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)				Corrosion Finish	Code Ref.	
				W	H	D	Header		Joist		100%	115%	125%	160%	Uplift ¹	100%	115%	125%			160%
							Qty	Type	Qty	Type											
2 x 4	SKH24L/R	SUR/L24	16	1-9/16	3-1/4	1-7/8	4	16d	4	10d x 1-1/2	510	510	510	545	395	395	395	425	IBC, FL, LA		
2 x 6-8	SKH26L/R	SUR/L26	16	1-9/16	5-1/4	1-7/8	6	16d	6	10d x 1-1/2	840	890	890	1135	700	700	700	980	IBC, FL, LA		
	SKHH26L/R	--	16	1-5/8	5-1/8	3-1/4	18	16d	12	10d x 1-1/2	1765	1795	1795	1450	1450	1450	1450	645	--		
2 x 8-12	SKH28L/R	--	16	1-9/16	7-1/4	1-7/8	10	16d	8	10d x 1-1/2	1400	1465	1465	1350	1160	1160	1160	1070	IBC, FL, LA		
	SKHH28L/R	--	16	1-5/8	7	3-1/4	26	16d	16	10d x 1-1/2	2350	2525	2525	1155	2055	2055	2055	940	--		
2 x 10-14	SKH210L/R	SUR/L210, SUR/L214	16	1-9/16	9-1/4	1-7/8	14	16d	10	10d x 1-1/2	1790	1790	1790	1530	1425	1425	1425	1220	IBC, FL, LA		
	SKHH210L/R	--	16	1-5/8	9	4-1/4	34	16d	20	10d x 1-1/2	2625	2625	2625	1420	2150	2150	2150	1160	--		
1-3/4 x 9-1/4 - 14	SKH1720L/R	SUR/L1.81/9	16	1-13/16	9-1/8	1-7/8	14	10d	10	10d x 1-1/2	1650	1760	1760	1530	1400	1400	1400	1220			
1-3/4 x 11-1/4 - 18	SKH1724L/R	SUR/L1.81/11, SUR/L1.81/14	16	1-13/16	11-1/8	1-7/8	16	10d	10	10d x 1-1/2	1890	2170	2360	1530	1635	1880	2035	1220			
2 - 2-1/8 x 9-1/4 - 14	SKH2020L/R	SUR/L2.06/9, SUR/L2.1/9	16	2-1/8	9	1-7/8	14	10d	10	10d x 1-1/2	1650	1760	1760	1530	1390	1390	1390	1210	IBC, FL, LA		
2 - 2-1/8 x 11-1/4 - 18	SKH2024L/R	SUR/L2.06/11, SUR/L2.1/11	16	2-1/8	11	1-7/8	16	10d	10	10d x 1-1/2	1890	2170	2360	1530	1635	1880	2020	1210			
2-1/4 - 2-5/16 x 9-1/4 - 14	SKH2320L/R	SUR/L2.37/9	16	2-3/8	8-7/8	1-7/8	14	10d	10	10d x 1-1/2	1650	1760	1760	1530	1390	1390	1390	1210			
2-1/4 - 2-5/16 x 11-1/4 - 18	SKH2324L/R	SUR/L2.37/11, SUR/L2.37/14	16	2-3/8	10-7/8	1-7/8	16	10d	10	10d x 1-1/2	1890	2170	2360	1530	1635	1880	2020	1210			

1) Uplift loads have been increased 60% for wind and seismic loads; no further increase shall be permitted.

2) **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.

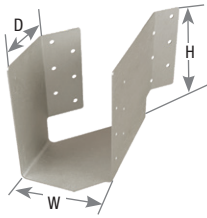
*Miter cut required on end of joist to achieve design loads.

New products or updated product information are designated in **blue font**.

Corrosion Finish

- Stainless Steel
- Gold Coat
- HDG
- Triple Zinc

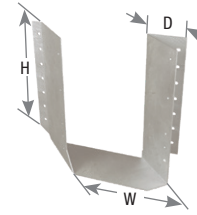
Continued on next page



SKHH46LIF left skew



Typical SKH2520R-2 staggered I-Joist installation right skew



SKH2520R-2 right skew

Beam/Joist Size	MiTek USP Stock No.	Ref. No.	Ga.	Dimensions (in)			Fastener Schedule ²				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)				Corrosion Finish	Code Ref.	
				W	H	D	Header		Joist		Floor		Roof		Floor		Roof				Uplift ¹
							Qty	Type	Qty	Type	100%	115%	125%	160%	100%	115%	125%	160%			
3 x 6-8	SKH36L/R	--	16	2-9/16	4-3/4	1-3/8	6	16d	6	10d x 1-1/2	840	965	1050	1135	725	830	830	980		IBC, FL, LA	
3 x 8-12	SKH38L/R	--	16	2-9/16	6-3/4	1-3/8	10	16d	8	10d x 1-1/2	1400	1550	1550	1510	1210	1230	1230	1215			
3 x 10-14	SKH310L/R	--	16	2-9/16	8-3/4	1-3/8	14	16d	10	10d x 1-1/2	2060	2365	2465	1530	1780	2045	2090	1220			
3 x 12 - 14 - 16	SKH312L/R	--	16	2-9/16	10-3/4	1-3/8	16	16d	10	10d x 1-1/2	2350	2705	2750	1530	2035	2190	2190	1220			
2-1/2 x 9-1/4 - 14	SKH2520L/R	SUR/L2.56/9	16	2-9/16	8-5/8	1-7/8	14	10d	10	10d x 1-1/2	1650	1760	1760	1530	1380	1380	1380	1205			
2-1/2 x 11-1/4 - 16	SKH2524L/R	SUR/L2.56/11, SUR/L2.56/14	16	2-9/16	10-3/4	1-7/8	16	10d	10	10d x 1-1/2	1890	2170	2360	1530	1635	1880	2010	1205			
2-5/8 x 9-1/4 - 14	SKH2620L/R	--	16	2-11/16	8-11/16	1-7/8	14	10d	10	10d x 1-1/2	1650	1760	1760	1530	1380	1380	1380	1205			
2-5/8 x 11-1/4 - 16	SKH2624L/R	--	16	2-11/16	10-11/16	1-7/8	16	10d	10	10d x 1-1/2	1890	2170	2360	1530	1635	1880	2010	1205			
(2) 2 x 6-8	SKH26L/R-2 *	SUR/L26-2	16	3-1/16	4-1/2	1-3/8	6	16d	6	10d	840	965	1050	1135	725	835	865	980		--	
	SKHH26L/R-2	HSUR/L26-2	14	3-1/16	5-1/4	2	12	16d	4	16d x 2-1/2	1850	1905	1905	795	1525	1525	1525	635			
	SKHH26L/R-2IF	HSUR/LC26-2	14	3-1/16	5-1/4	2	12	16d	4	16d x 2-1/2											
(2) 2 x 8-12	SKH28L/R-2 *	--	16	3-1/16	6-1/2	1-3/8	10	16d	8	10d	1400	1610	1750	1350	1210	1395	1515	1060		IBC, FL, LA	
(2) 2 x 10-14	SKH210L/R-2 *	SUR/L210-2	16	3-1/16	8-1/2	1-3/8	14	16d	10	10d	1960	2255	2450	1530	1695	1950	2120	1210		--	
	SKHH210L/R-2	HSUR/L210-2, HSUR/L214-2	14	3-1/16	8-1/2	2	20	16d	6	16d x 2-1/2	3080	3330	3330	2115	2685	2685	2685	1710			
	SKHH210L/R-2IF	HSUR/LC210-2	14	3-1/16	8-1/2	2	20	16d	6	16d x 2-1/2											
(2) 2 x 12-16	SKH212L/R-2 *	SUR/L214-2	16	3-1/16	10-1/2	1-3/8	16	16d	10	10d	2240	2575	2800	1530	1940	2230	2405	1210		IBC, FL	
3-1/2 x 8-14	SKH410L/R *	SUR/L410	14	3-9/16	8-1/2	2-1/2	16	16d	10	16d	2305	2650	2865	1530	1995	2225	2225	1190		IBC, FL, LA	
3-1/2 x 12-18	SKH414L/R *	SUR/L414	14	3-9/16	12-1/2	2-1/2	22	16d	10	16d	3170	3645	3960	1530	2740	3150	3425	1190			
4 x 6-8	SKH46L/R *	SUR/L46	14	3-9/16	4-3/4	2-1/2	10	16d	6	16d	1440	1590	1590	1350	1225	1225	1225	1040		--	
	SKHH46L/R	HSUR/L46	14	3-9/16	5-1/4	2-1/2	12	16d	6	16d	1850	1905	1905	795	1520	1520	1520	635			
	SKHH46L/RIF	HSUR/LC46	14	3-9/16	5-1/4	2-1/2	12	16d	6	16d											
4 x 10-14	SKH410L/R *	SUR/L410	14	3-9/16	8-1/2	2-1/2	16	16d	10	16d	2305	2650	2865	1530	1995	2225	2225	1190		IBC, FL, LA	
	SKHH410L/R	HSUR/L410	14	3-9/16	8-1/2	2-1/2	20	16d	10	16d	3080	3330	3330	2115	2680	2680	2680	1705			
	SKHH410L/RIF	HSUR/LC410	14	3-9/16	8-1/2	2-1/2	20	16d	10	16d											
4 x 14-18	SKH414L/R *	SUR/L414	14	3-9/16	12-1/2	2-1/2	22	16d	10	16d	3170	3645	3960	1530	2740	3150	3425	1190		IBC, FL, LA	
	SKHH414L/R	HSUR/L414	14	3-9/16	12-1/2	2-1/2	26	16d	10	16d	4005	4115	4115	2115	3310	3310	3310	1705			
	SKHH414L/RIF	HSUR/LC414	14	3-9/16	12-1/2	2-1/2	26	16d	10	16d											
(2) 2 - 2-1/8 x 9-1/4 - 14	SKH2020L/R-2 *	HSUR/L4.12/9, HSUR/L4.28/9	14	4-3/16	9-1/4	3-1/2	14	10d	10	10d	1710	1965	2135	1645	1480	1700	1850	1265		IBC, FL, LA	
(2) 2 - 2-1/8 x 11-1/4 - 18	SKH2024L/R-2 *	HSUR/L4.12/11, HSUR/L4.12/14, HSUR/L4.12/16, HSUR/L4.28/11	14	4-3/16	11-1/4	3-1/2	16	10d	10	10d	1950	2245	2440	1680	1690	1945	2110	1295			
(2) 2-5/16 x 9-1/4 - 14	SKH2320L/R-2 *	HSUR/L4.75/9	14	4-7/8	9-1/4	3-1/2	14	10d	10	10d	1710	1965	2135	1645	1480	1700	1850	1265			
(2) 2-5/16 x 11-1/4 - 18	SKH2324L/R-2 *	HSUR/L4.75/11, HSUR/L4.75/14, HSUR/L4.75/16	14	4-7/8	11-1/4	3-1/2	16	10d	10	10d	1950	2245	2440	1680	1690	1945	2110	1295			
(2) 2-1/2 x 9-1/4 - 14	SKH2520L/R-2 *	HSUR/L5.12/9	14	5-1/8	9-1/4	3-1/2	14	10d	10	10d	1710	1965	2135	1645	1480	1700	1850	1265			
(2) 2-1/2 x 11-1/4 - 16	SKH2524L/R-2 *	HSUR/L5.12/11, HSUR/L5.12/14, HSUR/L5.12/16	14	5-1/8	11-1/4	3-1/2	16	10d	10	10d	1950	2245	2440	1680	1690	1945	2110	1295			

1) Uplift loads have been increased 60% for wind and seismic loads; no further increase shall be permitted.
 2) **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 nails are 0.162" dia. x 3-1/2" long, 16d x 2-1/2 nails are 0.162" dia. x 2-1/2" long.

*Miter cut required on end of joist to achieve design loads.

New products or updated product information are designated in **blue font**.

Corrosion Finish
■ Stainless Steel ■ Gold Coat
■ HDG ■ Triple Zinc