



INTERIOR FRAMING

IN CONFORMANCE WITH: IBC 2024 • AISI S100

RedHeader Lite

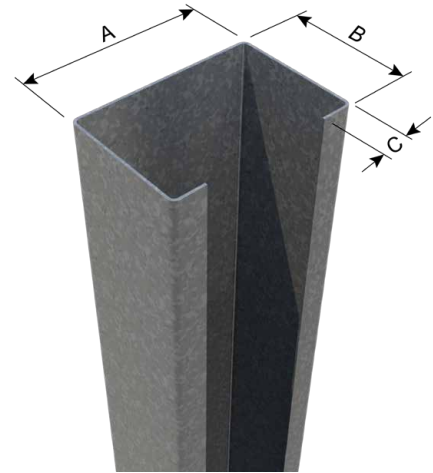
RedHeader Lite is designed to replace conventional built-up jambs and box headers while providing better results in half the time. One-piece headers and jambs eliminate the additional studs, track and screws required to frame conventional rough openings.

CONSTRUCTION ADVANTAGES:

- Eliminates built-up jamb and box headers
- Reduces material pieces and screws
- SAVES LABOR on installation and handling
- The header easily slides into the RHLC Header Bracket or attaches using a specific set of EasyClip™ S-Series™ clips.

ORDERING INFORMATION:

- Pre-cut headers (4'-0" and over) available standard, based on minimum quantity orders.
- HEADER LENGTHS SHOULD BE ORDERED 1/2" SHORTER THAN OPENING WIDTH TO FIT INSIDE RHLC BRACKETS. (header length = inside of jamb to inside of jamb minus 1/2")
Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".
- Standard material coating is CP90 per ASTM A1003/AISI S240.



RedHeader Lite Profile Information

Product Code	Web Size (A)	Flange (B)	Return Lip (C)	Thickness		Fy (ksi)
				Mils (Gauge)	Design Thickness (in)	
250RHL250-33	2-1/2"	2.50"	0.625"	33 (20)	0.0346	33
250RHL250-43	2-1/2"	2.50"	0.625"	43 (18)	0.0451	33
362RHL250-33	3-5/8"	2.50"	0.625"	33 (20)	0.0346	33
362RHL250-43	3-5/8"	2.50"	0.625"	43 (18)	0.0451	33
400RHL250-33	4"	2.50"	0.625"	33 (20)	0.0346	33
400RHL250-43	4"	2.50"	0.625"	43 (18)	0.0451	33
600RHL250-33	6"	2.50"	0.625"	33 (20)	0.0346	33
600RHL250-43	6"	2.50"	0.625"	43 (18)	0.0451	33



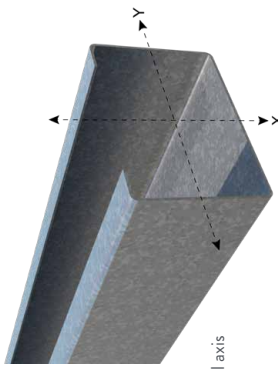
One RedHeader Lite	Replaces
(1) RedHeader Lite with: (2) tracks w/ (4) screws at 16" o.c.	Typical boxed header with: (2) 1-1/4" flange studs & (2) tracks w/ (4) screws at 16" o.c.

One RedHeader Lite Jamb Stud	Replaces
(1) RedHeader Lite jamb stud with: No screws required to build up sections	Typical jamb with: (2) 1-1/4" flange studs

RedHeader Lite Header Studs (2-1/2" Flange)

Section Properties

Product Code	Mils (Gauge)	Gross Section Properties										Effective Section Properties (HEADER WITHOUT PUNCHOUT)										Torsional Properties					
		Area (in ²)	Wt. (lbs/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	S _y (in ³)	R _y (in)	A _v (in ²)	I _{xc} (in ⁴)	I _{yc} (in ⁴)	S _{xc} (in ³)	S _{yc} (in ³)	M _{ax,local} (in-k)	M _{ax,ed} (in-k)	M _{ax,dist} (in-k)	M _{ax,dist} (in-k)	V _{ax-g} (lbs)	V _{ax-g} (lbs)	V _{ax-g} (lbs)	J*1000 (in ⁴)	C _w (in ⁶)	X _o (in)	m	R _o (in)	β
250RHL250-33	33 (20)	0.292	0.99	0.331	0.265	1.065	0.262	0.245	0.946	0.217	0.315	0.262	0.214	0.176	4.22	3.48	4.44	3.06	975	772	0.117	0.502	-2.416	1.366	2.807	0.258	
250RHL250-43	43 (18)	0.379	1.29	0.426	0.341	1.060	0.336	0.315	0.941	0.316	0.426	0.336	0.297	0.235	5.87	4.64	6.24	4.29	1265	1713	0.257	0.638	-2.404	1.359	2.794	0.258	
362RHL250-33	33 (20)	0.331	1.13	0.760	0.419	1.514	0.299	0.317	0.951	0.221	0.725	0.299	0.345	0.186	6.82	3.67	6.59	3.02	1024	772	0.132	0.965	-2.211	1.284	2.847	0.395	
362RHL250-43	43 (18)	0.430	1.46	0.980	0.541	1.510	0.385	0.408	0.946	0.325	0.980	0.385	0.475	0.247	9.39	4.89	9.36	4.28	1740	1713	0.292	1.230	-2.199	1.277	2.834	0.396	
400RHL250-33	33 (20)	0.344	1.17	0.948	0.474	1.659	0.310	0.341	0.949	0.222	0.905	0.310	0.392	0.188	7.75	3.72	7.32	3.01	976	772	0.137	1.165	-2.151	1.259	2.882	0.441	
400RHL250-43	43 (18)	0.447	1.52	1.224	0.612	1.655	0.399	0.438	0.945	0.327	1.224	0.399	0.539	0.251	10.66	4.95	10.42	4.27	1740	1713	0.303	1.486	-2.139	1.252	2.869	0.443	
600RHL250-33	33 (20)	0.413	1.41	2.383	0.794	2.401	0.356	0.468	0.928	0.225	2.291	0.356	0.649	0.197	12.82	3.90	11.27	2.90	638	772	0.165	2.666	-1.886	1.143	3.194	0.651	
600RHL250-43	43 (18)	0.537	1.83	3.082	1.027	2.396	0.458	0.602	0.923	0.333	3.082	0.458	0.918	0.263	18.14	5.20	16.21	4.15	1415	1713	0.364	3.411	-1.874	1.136	3.182	0.652	



Notes:

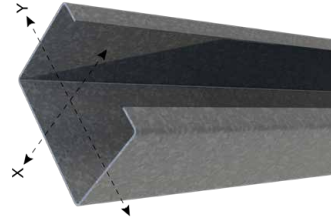
- Section properties are based on using AISI S100-16/S2-20.
- Moment and Shear capacities about y-axis listed in unperforated effective section properties can be used for perforated effective section properties.
- Axial load capacities are based on fully-braced condition.

- I_x = Gross Moment of Inertia about x-axis
- S_x = Gross Section Modulus about x-axis
- R_x = Gross Radius of Gyration about x-axis
- I_y = Gross Moment of Inertia about y-axis
- S_y = Gross Section Modulus about y-axis
- R_y = Gross Radius of Gyration about y-axis
- A_v = Effective Area
- I_{xc} = Effective Moment of Inertia about x-axis
- I_{yc} = Effective Moment of Inertia about y-axis
- S_{xc} = Effective Section Modulus about x-axis
- S_{yc} = Effective Section Modulus about y-axis
- M_{ax,local} = Allowable local moment capacity about x-axis
- M_{ax,local} = Allowable local moment capacity about y-axis
- M_{ax,dist} = Allowable distortional moment capacity about x-axis
- M_{ax,dist} = Allowable distortional moment capacity about y-axis
- V_{ax} = Shear strength capacity of section about x-axis
- V_{ay} = Shear strength capacity of section about y-axis
- J = St. Venant torsional constant (J x 1000)
- C_w = Warping constant
- X_o = Distance from shear center to the centroid along the principal axis
- m = Distance from shear center to web center line
- R_o = Radii of gyration
- Beta = Torsional flexural constant
- L_u = Maximum unbraced length
- P_{Solid} = Allowable Axial load for section without punchout.
- P_{Punchout} = Allowable Axial load for section with punchout.

RedHeader Lite Jamb Studs (2-1/2" Flange)

Perforated Section Properties

Product Code	Mils (Gauge)	Gross Section Properties				Effective Section Properties (JAMB WITH PUNCHOUT)						Torsional Properties						Axial Load							
		Area (in ²)	Wt. (lbs/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	S _y (in ³)	R _y (in)	A _e (in ²)	I _{xe} (in ⁴)	S _{xe} (in ³)	M _{xc,local} (in-k)	M _{xc,dist} (in-k)	V _{yc} (lbs)	V _{yc} (lbs)	J*1000 (in ⁴)	C _w (in ⁶)	X _o (in)	m	R _o (in)	β	Lu (in)	P _{solid} (kips)	P _{punchout} (kips)
25ORHL250-33	33 (20)	0.292	0.99	0.331	0.265	1.065	0.262	0.245	0.946	0.198	0.315	0.214	4.22	4.30	399	772	0.117	0.502	-2.416	1.366	2.807	0.258	66.5	4.0	3.6
25ORHL250-43	43 (18)	0.379	1.29	0.426	0.341	1.060	0.336	0.315	0.941	0.286	0.426	0.297	5.87	6.04	394	1713	0.257	0.638	-2.404	1.359	2.794	0.258	66.8	5.8	5.2
362RHL250-33	33 (20)	0.331	1.13	0.760	0.419	1.514	0.299	0.317	0.951	0.200	0.725	0.315	6.23	6.39	521	772	0.132	0.965	-2.211	1.284	2.847	0.395	64.2	4.1	3.7
362RHL250-43	43 (18)	0.430	1.46	0.980	0.541	1.510	0.385	0.408	0.946	0.290	0.980	0.449	8.88	9.06	676	1713	0.292	1.230	-2.199	1.277	2.834	0.396	64.2	6.0	5.3
400RHL250-33	33 (20)	0.344	1.17	0.948	0.474	1.659	0.310	0.341	0.949	0.201	0.905	0.352	6.95	7.10	595	772	0.137	1.165	-2.151	1.259	2.882	0.441	63.8	4.1	3.7
400RHL250-43	43 (18)	0.447	1.52	1.224	0.612	1.655	0.399	0.438	0.945	0.292	1.224	0.503	9.93	10.09	810	1713	0.303	1.486	-2.139	1.252	2.869	0.443	63.7	6.0	5.4
600RHL250-33	33 (20)	0.413	1.41	2.383	0.794	2.401	0.356	0.468	0.928	0.203	2.291	0.649	12.82	10.97	638	772	0.165	2.666	-1.886	1.143	3.194	0.651	62.6	4.1	3.7
600RHL250-43	43 (18)	0.537	1.83	3.082	1.027	2.396	0.458	0.602	0.923	0.298	3.082	0.918	18.14	15.74	1240	1713	0.364	3.411	-1.874	1.136	3.182	0.652	62.4	6.1	5.5



Notes:

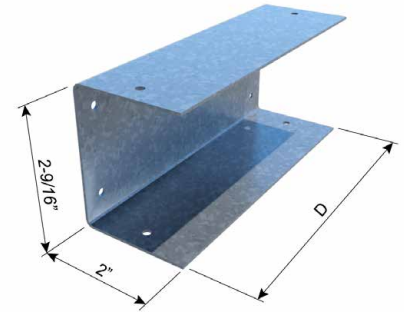
- Section properties are based on using AISI S100-16(S2-20).
- Moment and Shear capacities about y-axis listed in unperforated effective section properties can be used for perforated effective section properties.
- Axial load capacities are based on fully-braced condition.

- I_x = Gross Moment inertia about x-axis
- S_x* = Gross Section Modulus about x-axis
- R_x = Gross Radius of gyration about x-axis
- I_y = Gross moment of inertia about y-axis
- S_y* = Gross Section modulus about y-axis
- R_y = Gross radius of gyration about y-axis
- A_e = Effective area
- I_{xe} = Effective Moment of Inertia about x-axis
- I_{ye} = Effective Moment of Inertia about y-axis
- S_{xe} = Effective Section Modulus about x-axis
- S_{ye} = Effective Section Modulus about y-axis
- M_{xc,local} = Allowable local moment capacity about x-axis
- M_{xc,dist} = Allowable local moment capacity about x-axis
- M_{yc,local} = Allowable local moment capacity about y-axis
- M_{yc,dist} = Allowable distortional moment capacity about x-axis
- M_{yd,dist} = Allowable distortional moment capacity about y-axis
- V_{xc} = Shear strength capacity of section about x-axis
- V_{yc} = Shear strength capacity of section about y-axis
- J = St. Venant torsional constant (J x 1000)
- C_w = Warping constant
- X_o = Distance from shear center to the centroid along the principal axis
- m = Distance from shear center to web center line
- R_o = Radii of gyration
- Beta = Torsional flexural constant
- L_u = Maximum unbraced length
- P_{Solid} = Allowable Axial load for section without punchout.
- P_{Punchout} = Allowable Axial load for section with punchout.

RHLC Header Bracket for RedHeader Lite



This simple, yet innovative header bracket turns header installation from a two-person job into a one-person job. This unique, pre-punched clip also eliminates surface head fastener buildup that can create finishing challenges.



Product Code	Depth (D)	Mils (Gauge)	Yield Strength, F_y (ksi)	Designed to Support
237RHLC250	2-3/8"	33 (20)	33	2-1/2" RedHeader Lite Profiles
350RHLC250	3-1/2"	33 (20)	33	3-5/8" RedHeader Lite Profiles
387RHLC250	3-7/8"	33 (20)	33	4" RedHeader Lite Profiles
587RHLC250	5-7/8"	33 (20)	33	6" RedHeader Lite Profiles

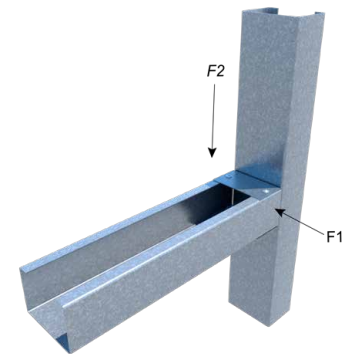
All material CP90. Sold in pairs.

Allowable Loads (lbs) for RedHeader Lite

Product Code	Bracket Specs		Framing Member Specs			Fasteners		Capacities					
	Depth (D)	Height (H)	Product Code	Thickness	Yield Strength, F_y (ksi)	Jamb	Header	F1 Load (Lateral) lbs			F2 Load (Vertical) lbs		
				Mils (Gauge)				Nominal Load	ASD Load	LRFD Load	Nominal Load	ASD Load	LRFD Load
237RHLC250	2-3/8"	2-9/16"	250RHL250	33 (20)	33	4 x #10	4 x #10	1095	560	900	1240	240	240
				43 (18)	33			1475	755	1210	1660	350	350
350RHLC250	3-1/2"	2-9/16"	362RHL250	33 (20)	33	4 x #10	4 x #10	1170	600	960	895	190	190
				43 (18)	33			1435	735	1180	1555	245	245
387RHLC250	3-7/8"	2-9/16"	400RHL250	33 (20)	33	4 x #10	4 x #10	1090	560	895	1110	220	220
				43 (18)	33			1420	730	1165	1585	280	280
587RHLC250	5-7/8"	2-9/16"	600RHL250	33 (20)	33	4 x #10	4 x #10	1125	580	925	1050	205	205
				43 (18)	33			1410	720	1155	1765	320	320

Notes:

- Listed Capacities were derived from calculations and structural tests in accordance with provisions of AISI-S100 and ICC-ES AC261.
- The resistance factor/safety factor for design loads has been calculated according to Chapter K of AISI-S100 dependent on Member or Connection Failure.
- #10-16 HWH Screws (0.19-in dia) were used to attach Brackets to Header and Jamb members through the provided holes. The screws shall have a minimum shear capacity of 1400 lbs and minimum tension capacity of 1158 lbs.
- It is the responsibility of the design professional to detail the project drawings for proper RHLC Brackets installation.
- For simultaneous F_1 and F_2 loading, use the following interaction equation: $(f_1/F_1)^2 + (f_2/F_2)^2 < 1.0$ Where f_1 and f_2 are the applied loads and F_1 and F_2 are the appropriate allowable loads.



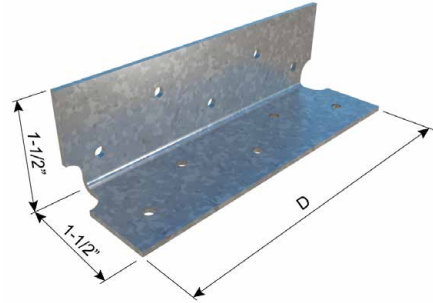
EasyClip™ S-Series™ Header Clip



The pre-punched clip eliminates surface head fastener buildup that can create finishing challenges.

Product Code	Depth (D)	Mils (Gauge)	Yield Strength, F _y (ksi)	Designed to Support
S542	2"	54 (16)	50	2-1/2" RedHeader Lite Profiles
S543	3"	54 (16)	50	3-5/8" & 4" RedHeader Lite Profiles
S545	5"	54 (16)	50	6" RedHeader Lite Profiles

All material CP90.

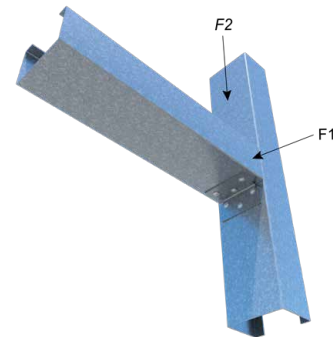


Allowable Loads (lbs) for RedHeader Lite

Connector Details		Framing Member Specs			Fasteners		Capacities					
Product Code	Length (in)	Product Code	Thickness	Yield Strength, F _y (ksi)	Jamb	Header	Lateral Load (F ₁) lbs			Vertical Load (F ₂) lbs		
			Mils (Gauge)				Nominal Load	ASD Load	LRFD Load	Nominal Load	ASD Load	LRFD Load
S542	2"	250RHL250	33 (20)	33	2 x #10	2 x #10	760	350	500	430	135	135
			43 (18)				1075	525	640	465	205	205
S543	3"	362RHL250	33 (20)	33	3 x #10	3 x #10	1200	530	795	395	105	105
			43 (18)				1435	735	1180	655	195	195
S543	3"	400RHL250	33 (20)	33	3 x #10	3 x #10	1090	530	795	345	100	100
			43 (18)				1420	730	1165	600	155	155
S545	5"	600RHL250	33 (20)	33	4 x #10	4 x #10	1150	590	945	355	100	100
			43 (18)				1410	720	1155	560	160	160

Notes:

- Listed Capacities were derived from calculations and structural tests in accordance with provisions of AISI-S100 and ICC-ES AC261.
- The resistance factor/safety factor for design loads has been calculated according to Chapter K of AISI-S100 dependent on Member or Connection Failure.
- #10-16 HWH Screws (0.19-in dia) were used to attach Clips to Header and Jamb members through the provided holes. The screws shall have a minimum shear capacity of 1400 lbs and minimum tension capacity of 1158 lbs.
- It is the responsibility of the design professional to detail the project drawings for proper EasyClip S-Series clip installation.
- For simultaneous F₁ and F₂ loading, use the following interaction equation: $(f_1/F_1)^2 + (f_2/F_2)^2 < 1.0$ Where f₁ and f₂ are the applied loads and F₁ and F₂ are the appropriate allowable loads.



Allowable Window Opening Width for RedHeader Lite

Used as Interior Jamb Studs for Window Openings

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 5, Dead Load (psf) = 10							
				Strong Axis Deflection Targets							
				L/120		L/240		L/360		L/600	
				Sill Height (ft)							
		2	3	2	3	2	3	2	3		
9	2-1/2	250RHL250-33	33 (20)	7'-10"	8'-9"	7'-10"	8'-9"	6'-7"	5'-10"	-	-
		250RHL250-43	43 (18)	14'-4"	13'-10"	14'-4"	13'-10"	10'-1"	8'-10"	4'-10"	4'-4"
	3-5/8	362RHL250-33	33 (20)	7'-8"	8'-6"	7'-8"	8'-6"	7'-8"	8'-6"	7'-8"	8'-6"
		362RHL250-43	43 (18)	14'-0"	16'-0"	14'-0"	16'-0"	14'-0"	16'-0"	14'-0"	13'-1"
	4	400RHL250-33	33 (20)	7'-7"	8'-5"	7'-7"	8'-5"	7'-7"	8'-5"	7'-7"	8'-5"
		400RHL250-43	43 (18)	14'-0"	15'-10"	14'-0"	15'-10"	14'-0"	15'-10"	14'-0"	15'-10"
	6	600RHL250-33	33 (20)	7'-4"	8'-1"	7'-4"	8'-1"	7'-4"	8'-1"	7'-4"	8'-1"
		600RHL250-43	43 (18)	13'-7"	15'-5"	13'-7"	15'-5"	13'-7"	15'-5"	13'-7"	15'-5"
10	2-1/2	250RHL250-33	33 (20)	6'-8"	7'-3"	6'-8"	6'-9"	4'-0"	3'-9"	-	-
		250RHL250-43	43 (18)	12'-4"	11'-4"	11'-8"	10'-1"	6'-7"	6'-0"	-	-
	3-5/8	362RHL250-33	33 (20)	6'-6"	7'-1"	6'-6"	7'-1"	6'-6"	7'-1"	6'-6"	6'-1"
		362RHL250-43	43 (18)	12'-1"	13'-6"	12'-1"	13'-6"	12'-1"	13'-6"	10'-5"	9'-1"
	4	400RHL250-33	33 (20)	6'-6"	7'-0"	6'-6"	7'-0"	6'-6"	7'-0"	6'-6"	7'-0"
		400RHL250-43	43 (18)	12'-0"	13'-5"	12'-0"	13'-5"	12'-0"	13'-5"	12'-0"	12'-0"
	6	600RHL250-33	33 (20)	6'-3"	6'-9"	6'-3"	6'-9"	6'-3"	6'-9"	6'-3"	6'-9"
		600RHL250-43	43 (18)	11'-8"	13'-0"	11'-8"	13'-0"	11'-8"	13'-0"	11'-8"	13'-0"
11	2-1/2	250RHL250-33	33 (20)	5'-10"	6'-0"	4'-10"	4'-7"	-	-	-	-
		250RHL250-43	43 (18)	10'-10"	9'-3"	7'-11"	7'-2"	4'-2"	4'-0"	-	-
	3-5/8	362RHL250-33	33 (20)	5'-8"	6'-0"	5'-8"	6'-0"	5'-8"	6'-0"	4'-3"	4'-0"
		362RHL250-43	43 (18)	10'-7"	11'-7"	10'-7"	11'-7"	10'-7"	11'-7"	6'-11"	6'-4"
	4	400RHL250-33	33 (20)	5'-7"	6'-0"	5'-7"	6'-0"	5'-7"	6'-0"	5'-7"	5'-8"
		400RHL250-43	43 (18)	10'-7"	11'-6"	10'-7"	11'-6"	10'-7"	11'-6"	9'-8"	8'-7"
	6	600RHL250-33	33 (20)	5'-5"	5'-9"	5'-5"	5'-9"	5'-5"	5'-9"	5'-5"	5'-9"
		600RHL250-43	43 (18)	10'-3"	11'-2"	10'-3"	11'-2"	10'-3"	11'-2"	10'-3"	11'-2"
12	2-1/2	250RHL250-33	33 (20)	5'-1"	4'-8"	3'-3"	3'-1"	-	-	-	-
		250RHL250-43	43 (18)	8'-11"	7'-7"	5'-3"	5'-0"	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	5'-0"	5'-2"	5'-0"	5'-2"	5'-0"	5'-2"	-	-
		362RHL250-43	43 (18)	9'-5"	10'-2"	9'-5"	10'-2"	9'-5"	9'-1"	4'-7"	4'-4"
	4	400RHL250-33	33 (20)	4'-11"	5'-2"	4'-11"	5'-2"	4'-11"	5'-2"	4'-1"	3'-10"
		400RHL250-43	43 (18)	9'-4"	10'-1"	9'-4"	10'-1"	9'-4"	10'-1"	6'-5"	6'-1"
	6	600RHL250-33	33 (20)	4'-9"	5'-0"	4'-9"	5'-0"	4'-9"	5'-0"	4'-9"	5'-0"
		600RHL250-43	43 (18)	9'-1"	9'-10"	9'-1"	9'-10"	9'-1"	9'-10"	9'-1"	9'-10"
13	2-1/2	250RHL250-33	33 (20)	4'-3"	3'-9"	-	-	-	-	-	-
		250RHL250-43	43 (18)	6'-10"	6'-1"	3'-8"	3'-5"	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	4'-4"	4'-7"	4'-4"	4'-7"	4'-4"	4'-2"	-	-
		362RHL250-43	43 (18)	8'-5"	9'-0"	8'-5"	9'-0"	6'-10"	6'-6"	3'-2"	3'-0"
	4	400RHL250-33	33 (20)	4'-4"	4'-6"	4'-4"	4'-6"	4'-4"	4'-6"	-	-
		400RHL250-43	43 (18)	8'-5"	9'-0"	8'-5"	9'-0"	8'-5"	9'-0"	4'-6"	4'-3"
	6	600RHL250-33	33 (20)	4'-2"	4'-4"	4'-2"	4'-4"	4'-2"	4'-4"	4'-2"	4'-4"
		600RHL250-43	43 (18)	8'-2"	8'-8"	8'-2"	8'-8"	8'-2"	8'-8"	8'-2"	8'-8"
14	2-1/2	250RHL250-33	33 (20)	3'-5"	3'-1"	-	-	-	-	-	-
		250RHL250-43	43 (18)	5'-6"	5'-0"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	3'-11"	4'-0"	3'-11"	4'-0"	3'-1"	3'-0"	-	-
		362RHL250-43	43 (18)	7'-7"	8'-1"	7'-7"	8'-1"	5'-0"	4'-9"	-	-
	4	400RHL250-33	33 (20)	3'-10"	4'-0"	3'-10"	4'-0"	3'-10"	4'-0"	-	-
		400RHL250-43	43 (18)	7'-7"	8'-0"	7'-7"	8'-0"	6'-9"	6'-6"	3'-3"	3'-1"
	6	600RHL250-33	33 (20)	3'-8"	3'-9"	3'-8"	3'-9"	3'-8"	3'-9"	3'-8"	3'-9"
		600RHL250-43	43 (18)	7'-4"	7'-9"	7'-4"	7'-9"	7'-4"	7'-9"	7'-4"	7'-9"
15	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	4'-7"	4'-2"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	3'-6"	3'-7"	3'-6"	3'-7"	-	-	-	-
		362RHL250-43	43 (18)	7'-0"	7'-3"	6'-6"	6'-4"	3'-8"	3'-6"	-	-
	4	400RHL250-33	33 (20)	3'-5"	3'-6"	3'-5"	3'-6"	3'-2"	3'-1"	-	-
		400RHL250-43	43 (18)	6'-11"	7'-3"	6'-11"	7'-3"	5'-0"	4'-10"	-	-
	6	600RHL250-33	33 (20)	3'-4"	3'-4"	3'-4"	3'-4"	3'-4"	3'-4"	3'-4"	3'-4"
		600RHL250-43	43 (18)	6'-8"	7'-0"	6'-8"	7'-0"	6'-8"	7'-0"	6'-8"	7'-0"

Notes:

- This table is based on the sill heights listed in the table and the condition where the opening is centered in the jamb span. Other conditions may result in differing results. Contact Technical Service for analysis of other conditions.
- Opening widths are limited to 16'-0" for 2'-1/2", 3'-5/8", 4", & 6" members.
- Physical properties and this table have been calculated in conformance with the AISI-S100-2016 (2020) w/S2-20.
- Effective properties incorporate the strength increase from the Cold Work of Forming as applicable per AISI S100-2016 (2020) with S2-20 section A3.3.2.
- The strength analysis included separate bending and shear checks plus the combined interaction of bending and shear effects per section H2 of AISI S100-2016 (2020) with S2-20.
- The strength analysis included separate bending and axial load checks plus the combined interaction of bending and axial load effects per section H1 of AISI S100-2016 (2020) w/S2-20.
- Web crippling strength check includes both single stud per section G5 of AISI S100-2016 (2020) w/S2-20 and stud-to-track connection per section B3.2.5.1 of AISI S240-20.
- Single stud web crippling strength is based on minimum of all conditions and load cases in Table G5-2 of AISI S100-2016 (2020) with S2-20.
- The tabulated values for flexural stress were based upon a fully braced side jamb.
- This table is not applicable for axial load bearing walls but is applicable for non-axial load bearing walls.
- Tables were prepared using a 16" o.c. spacing from the jamb stud to the first adjacent typical wall stud. Not applicable for wider spacing.
- Wall base track to match thickness of stud.

Allowable Window Opening Width for RedHeader Lite

Used as Interior Jamb Studs for Window Openings

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 7.5, Dead Load (psf) = 10							
				Strong Axis Deflection Targets							
				L/120		L/240		L/360		L/600	
				Sill Height (ft)							
		2		3		2		3			
9	2-1/2	250RHL250-33	33 (20)	4'-5"	4'-8"	4'-5"	4'-8"	3'-6"	3'-1"	-	-
		250RHL250-43	43 (18)	8'-9"	9'-4"	8'-9"	8'-10"	5'-8"	5'-1"	-	-
	3-5/8	362RHL250-33	33 (20)	4'-3"	4'-6"	4'-3"	4'-6"	4'-3"	4'-6"	4'-3"	4'-6"
		362RHL250-43	43 (18)	8'-6"	9'-6"	8'-6"	9'-6"	8'-6"	9'-6"	8'-6"	8'-0"
	4	400RHL250-33	33 (20)	4'-3"	4'-6"	4'-3"	4'-6"	4'-3"	4'-6"	4'-3"	4'-6"
		400RHL250-43	43 (18)	8'-6"	9'-5"	8'-6"	9'-5"	8'-6"	9'-5"	8'-6"	9'-5"
6	600RHL250-33	33 (20)	4'-0"	4'-3"	4'-0"	4'-3"	4'-0"	4'-3"	4'-0"	4'-3"	
	600RHL250-43	43 (18)	8'-2"	9'-2"	8'-2"	9'-2"	8'-2"	9'-2"	8'-2"	9'-2"	
10	2-1/2	250RHL250-33	33 (20)	3'-8"	3'-10"	3'-8"	3'-9"	-	-	-	-
		250RHL250-43	43 (18)	7'-5"	7'-6"	6'-7"	6'-0"	3'-6"	3'-2"	-	-
	3-5/8	362RHL250-33	33 (20)	3'-7"	3'-8"	3'-7"	3'-8"	3'-7"	3'-8"	3'-6"	3'-3"
		362RHL250-43	43 (18)	7'-3"	8'-0"	7'-3"	8'-0"	7'-3"	8'-0"	5'-9"	5'-3"
	4	400RHL250-33	33 (20)	3'-6"	3'-8"	3'-6"	3'-8"	3'-6"	3'-8"	3'-6"	3'-8"
		400RHL250-43	43 (18)	7'-3"	7'-11"	7'-3"	7'-11"	7'-3"	7'-11"	7'-3"	7'-2"
6	600RHL250-33	33 (20)	3'-4"	3'-6"	3'-4"	3'-6"	3'-4"	3'-6"	3'-4"	3'-6"	
	600RHL250-43	43 (18)	7'-0"	7'-8"	7'-0"	7'-8"	7'-0"	7'-8"	7'-0"	7'-8"	
11	2-1/2	250RHL250-33	33 (20)	3'-1"	3'-2"	-	-	-	-	-	-
		250RHL250-43	43 (18)	6'-6"	6'-0"	4'-2"	4'-0"	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	3'-0"	3'-1"	3'-0"	3'-1"	3'-0"	3'-1"	-	-
		362RHL250-43	43 (18)	6'-4"	6'-9"	6'-4"	6'-9"	6'-4"	6'-9"	3'-8"	3'-5"
	4	400RHL250-33	33 (20)	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"
		400RHL250-43	43 (18)	6'-3"	6'-9"	6'-3"	6'-9"	6'-3"	6'-9"	5'-2"	4'-10"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	6'-1"	6'-6"	6'-1"	6'-6"	6'-1"	6'-6"	6'-1"	6'-6"	
12	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	5'-1"	4'-8"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	5'-7"	5'-11"	5'-7"	5'-11"	5'-5"	5'-1"	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	5'-6"	5'-10"	5'-6"	5'-10"	5'-6"	5'-10"	3'-6"	3'-3"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	5'-4"	5'-8"	5'-4"	5'-8"	5'-4"	5'-8"	5'-4"	5'-8"	
13	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	4'-1"	3'-9"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	5'-0"	5'-2"	5'-0"	5'-2"	3'-9"	3'-7"	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	4'-11"	5'-1"	4'-11"	5'-1"	4'-11"	5'-0"	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	4'-9"	5'-0"	4'-9"	5'-0"	4'-9"	5'-0"	4'-9"	5'-0"	
14	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	3'-4"	3'-0"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	4'-5"	4'-7"	4'-5"	4'-7"	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	4'-4"	4'-6"	4'-4"	4'-6"	3'-9"	3'-7"	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	4'-3"	4'-4"	4'-3"	4'-4"	4'-3"	4'-4"	4'-3"	4'-4"	
15	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	4'-0"	4'-1"	3'-8"	3'-6"	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	4'-0"	4'-0"	4'-0"	4'-0"	-	-	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	3'-9"	3'-11"	3'-9"	3'-11"	3'-9"	3'-11"	3'-9"	3'-11"	

Notes:

- 1 This table is based on the sill heights listed in the table and the condition where the opening is centered in the jamb span. Other conditions may result in differing results. Contact Technical Service for analysis of other conditions.
- 2 Opening widths are limited to 16'-0" for 2-1/2", 3-5/8", 4", & 6" members.
- 3 Physical properties and this table have been calculated in conformance with the AISI-S100-2016 (2020) w/S2-20.
- 4 Effective properties incorporate the strength increase from the Cold Work of Forming as applicable per AISI S100-2016 (2020) with S2-20 section A3.3.2.
- 5 The strength analysis included separate bending and shear checks plus the combined interaction of bending and shear effects per section H2 of AISI S100-2016 (2020) with S2-20.
- 6 The strength analysis included separate bending and axial load checks plus the combined interaction of bending and axial load effects per section H1 of AISI S100-2016 (2020) w/S2-20.
- 7 Web crippling strength check includes both single stud per section G5 of AISI S100-2016 (2020) w/S2-20 and stud-to-track connection per section B3.2.5.1 of AISI S240-20.
- 8 Single stud web crippling strength is based on minimum of all conditions and load cases in Table G5-2 of AISI S100-2016 (2020) with S2-20.
- 9 The tabulated values for flexural stress were based upon a fully braced side jamb.
- 10 This table is not applicable for axial load bearing walls but is applicable for non-axial load bearing walls.
- 11 Tables were prepared using a 16" o.c. spacing from the jamb stud to the first adjacent typical wall stud. Not applicable for wider spacing.
- 12 Wall base track to match thickness of stud.

Allowable Window Opening Width for RedHeader Lite

Used as Interior Jamb Studs for Window Openings

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 10, Dead Load (psf) = 10							
				Strong Axis Deflection Targets							
				L/120		L/240		L/360		L/600	
				Sill Height (ft)							
		2		3		2		3			
9	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	5'-11"	6'-5"	5'-11"	6'-0"	3'-7"	3'-3"	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	5'-9"	6'-3"	5'-9"	6'-3"	5'-9"	6'-3"	5'-9"	5'-4"
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	5'-9"	6'-3"	5'-9"	6'-3"	5'-9"	6'-3"	5'-9"	6'-3"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	5'-6"	6'-0"	5'-6"	6'-0"	5'-6"	6'-0"	5'-6"	6'-0"	
10	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	5'-0"	5'-4"	4'-2"	3'-10"	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	4'-10"	5'-2"	4'-10"	5'-2"	4'-10"	5'-2"	3'-8"	3'-4"
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	4'-10"	5'-2"	4'-10"	5'-2"	4'-10"	5'-2"	4'-10"	4'-9"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	4'-8"	5'-0"	4'-8"	5'-0"	4'-8"	5'-0"	4'-8"	5'-0"	
11	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	4'-3"	4'-0"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	4'-2"	4'-4"	4'-2"	4'-4"	4'-2"	4'-4"	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	4'-2"	4'-4"	4'-2"	4'-4"	4'-2"	4'-4"	3'-4"	3'-1"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	4'-0"	4'-2"	4'-0"	4'-2"	4'-0"	4'-2"	4'-0"	4'-2"	
12	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	3'-6"	3'-2"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	3'-7"	3'-9"	3'-7"	3'-9"	3'-6"	3'-3"	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	3'-7"	3'-8"	3'-7"	3'-8"	3'-7"	3'-8"	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	3'-5"	3'-7"	3'-5"	3'-7"	3'-5"	3'-7"	3'-5"	3'-7"	
13	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	3'-2"	3'-3"	3'-2"	3'-3"	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	3'-2"	3'-2"	3'-2"	3'-2"	3'-2"	3'-2"	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	3'-0"	3'-1"	3'-0"	3'-1"	3'-0"	3'-1"	3'-0"	3'-1"	
14	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	-	-	-	-	-	-	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	-	-	-	-	-	-	-	-	
15	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	-	-	-	-	-	-	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	-	-	-	-	-	-	-	-	

Notes:

- 1 This table is based on the sill heights listed in the table and the condition where the opening is centered in the jamb span. Other conditions may result in differing results. Contact Technical Service for analysis of other conditions.
- 2 Opening widths are limited to 16'-0" for 2-1/2", 3-5/8", 4", & 6" members.
- 3 Physical properties and this table have been calculated in conformance with the AISI-S100-2016 (2020) w/S2-20.
- 4 Effective properties incorporate the strength increase from the Cold Work of Forming as applicable per AISI S100-2016 (2020) with S2-20 section A3.3.2.
- 5 The strength analysis included separate bending and shear checks plus the combined interaction of bending and shear effects per section H2 of AISI S100-2016 (2020) with S2-20.
- 6 The strength analysis included separate bending and axial load checks plus the combined interaction of bending and axial load effects per section H1 of AISI S100-2016 (2020) w/S2-20.
- 7 Web crippling strength check includes both single stud per section G5 of AISI S100-2016 (2020) w/S2-20 and stud-to-track connection per section B3.2.5.1 of AISI S240-20.
- 8 Single stud web crippling strength is based on minimum of all conditions and load cases in Table G5-2 of AISI S100-2016 (2020) with S2-20.
- 9 The tabulated values for flexural stress were based upon a fully braced side jamb.
- 10 This table is not applicable for axial load bearing walls but is applicable for non-axial load bearing walls.
- 11 Tables were prepared using a 16" o.c. spacing from the jamb stud to the first adjacent typical wall stud. Not applicable for wider spacing.
- 12 Wall base track to match thickness of stud.

Allowable Door Opening Width for RedHeader Lite

Used as Interior Jamb Studs for Door Openings

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 5, Dead Load (psf) = 10							
				Strong Axis Deflection Targets							
				L/120		L/240		L/360		L/600	
				Opening Heights							
		7		8		7		8			
9	2-1/2	250RHL250-33	33 (20)	6'-8"	6'-8"	6'-8"	6'-8"	6'-0"	-	3'-1"	
		250RHL250-43	43 (18)	11'-8"	11'-9"	11'-8"	11'-9"	8'-8"	8'-9"	4'-7"	4'-8"
	3-5/8	362RHL250-33	33 (20)	6'-6"	6'-6"	6'-6"	6'-6"	6'-6"	6'-6"	6'-6"	6'-6"
		362RHL250-43	43 (18)	11'-5"	11'-6"	11'-5"	11'-6"	11'-5"	11'-6"	11'-5"	11'-6"
	4	400RHL250-33	33 (20)	6'-5"	6'-6"	6'-5"	6'-6"	6'-5"	6'-6"	6'-5"	6'-6"
		400RHL250-43	43 (18)	11'-4"	11'-5"	11'-4"	11'-5"	11'-4"	11'-5"	11'-4"	11'-5"
6	600RHL250-33	33 (20)	6'-2"	6'-3"	6'-2"	6'-3"	6'-2"	6'-3"	6'-2"	6'-3"	
	600RHL250-43	43 (18)	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	
10	2-1/2	250RHL250-33	33 (20)	5'-9"	5'-10"	5'-9"	5'-10"	3'-10"	4'-0"	-	-
		250RHL250-43	43 (18)	10'-4"	10'-4"	9'-7"	9'-7"	5'-10"	5'-11"	-	-
	3-5/8	362RHL250-33	33 (20)	5'-7"	5'-8"	5'-7"	5'-8"	5'-7"	5'-8"	5'-7"	5'-8"
		362RHL250-43	43 (18)	10'-1"	10'-2"	10'-1"	10'-2"	10'-1"	10'-2"	8'-8"	8'-9"
	4	400RHL250-33	33 (20)	5'-7"	5'-8"	5'-7"	5'-8"	5'-7"	5'-8"	5'-7"	5'-8"
		400RHL250-43	43 (18)	10'-0"	10'-1"	10'-0"	10'-1"	10'-0"	10'-1"	10'-0"	10'-1"
6	600RHL250-33	33 (20)	5'-5"	5'-5"	5'-5"	5'-5"	5'-5"	5'-5"	5'-5"	5'-5"	
	600RHL250-43	43 (18)	9'-9"	9'-10"	9'-9"	9'-10"	9'-9"	9'-10"	9'-9"	9'-10"	
11	2-1/2	250RHL250-33	33 (20)	5'-1"	5'-2"	4'-6"	4'-7"	-	-	-	-
		250RHL250-43	43 (18)	7'-9"	8'-6"	6'-9"	6'-10"	3'-11"	4'-0"	-	-
	3-5/8	362RHL250-33	33 (20)	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	4'-0"	4'-1"
		362RHL250-43	43 (18)	9'-0"	9'-1"	9'-0"	9'-1"	9'-0"	9'-1"	6'-1"	6'-2"
	4	400RHL250-33	33 (20)	4'-11"	5'-0"	4'-11"	5'-0"	4'-11"	5'-0"	4'-11"	5'-0"
		400RHL250-43	43 (18)	9'-0"	9'-0"	9'-0"	9'-0"	9'-0"	9'-0"	8'-1"	8'-1"
6	600RHL250-33	33 (20)	4'-8"	4'-9"	4'-8"	4'-9"	4'-8"	4'-9"	4'-8"	4'-9"	
	600RHL250-43	43 (18)	8'-8"	8'-9"	8'-8"	8'-9"	8'-8"	8'-9"	8'-8"	8'-9"	
12	2-1/2	250RHL250-33	33 (20)	3'-10"	4'-3"	3'-0"	3'-1"	-	-	-	-
		250RHL250-43	43 (18)	6'-0"	6'-5"	4'-9"	4'-10"	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	4'-4"	4'-5"	4'-4"	4'-5"	4'-4"	4'-5"	-	-
		362RHL250-43	43 (18)	8'-1"	8'-2"	8'-1"	8'-2"	8'-1"	8'-2"	4'-3"	4'-3"
	4	400RHL250-33	33 (20)	4'-3"	4'-4"	4'-3"	4'-4"	4'-3"	4'-4"	3'-9"	3'-10"
		400RHL250-43	43 (18)	8'-0"	8'-1"	8'-0"	8'-1"	8'-0"	8'-1"	5'-10"	5'-9"
6	600RHL250-33	33 (20)	4'-2"	4'-3"	4'-2"	4'-3"	4'-2"	4'-3"	4'-2"	4'-3"	
	600RHL250-43	43 (18)	7'-9"	7'-10"	7'-9"	7'-10"	7'-9"	7'-10"	7'-9"	7'-10"	
13	2-1/2	250RHL250-33	33 (20)	-	3'-2"	-	-	-	-	-	-
		250RHL250-43	43 (18)	4'-7"	5'-0"	3'-4"	3'-4"	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	3'-10"	3'-11"	3'-10"	3'-11"	3'-10"	3'-11"	-	-
		362RHL250-43	43 (18)	7'-3"	7'-4"	7'-3"	7'-4"	6'-3"	6'-2"	-	-
	4	400RHL250-33	33 (20)	3'-9"	3'-10"	3'-9"	3'-10"	3'-9"	3'-10"	-	-
		400RHL250-43	43 (18)	7'-3"	7'-4"	7'-3"	7'-4"	7'-3"	7'-4"	4'-2"	4'-2"
6	600RHL250-33	33 (20)	3'-8"	3'-9"	3'-8"	3'-9"	3'-8"	3'-9"	3'-8"	3'-9"	
	600RHL250-43	43 (18)	7'-0"	7'-1"	7'-0"	7'-1"	7'-0"	7'-1"	7'-0"	7'-1"	
14	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	3'-6"	3'-10"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	3'-5"	3'-6"	3'-5"	3'-6"	-	-	-	-
		362RHL250-43	43 (18)	6'-7"	6'-8"	6'-7"	6'-8"	4'-7"	4'-7"	-	-
	4	400RHL250-33	33 (20)	3'-4"	3'-5"	3'-4"	3'-5"	3'-4"	3'-5"	-	-
		400RHL250-43	43 (18)	6'-6"	6'-7"	6'-6"	6'-7"	6'-4"	6'-2"	-	-
6	600RHL250-33	33 (20)	3'-2"	3'-4"	3'-2"	3'-4"	3'-2"	3'-4"	3'-2"	3'-4"	
	600RHL250-43	43 (18)	6'-4"	6'-5"	6'-4"	6'-5"	6'-4"	6'-5"	6'-4"	6'-5"	
15	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	3'-0"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	3'-0"	3'-1"	3'-0"	3'-1"	-	-	-	-
		362RHL250-43	43 (18)	5'-4"	5'-8"	5'-4"	5'-8"	3'-4"	3'-4"	-	-
	4	400RHL250-33	33 (20)	3'-0"	3'-1"	3'-0"	3'-1"	-	-	-	-
		400RHL250-43	43 (18)	6'-0"	6'-0"	6'-0"	6'-0"	4'-10"	4'-8"	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	5'-9"	5'-10"	5'-9"	5'-10"	5'-9"	5'-10"	5'-9"	5'-10"	

Notes:

- This table is based on the 0" sill heights and listed opening heights. Other conditions may result in differing results. Contact Technical Service for analysis of other conditions.
- Opening widths are limited to 16'-0" for 2-1/2", 3-5/8", 4", & 6" members.
- Physical properties and this table have been calculated in conformance with the AISI S100-2016 (2020) with S2-20.
- Effective properties incorporate the strength increase from the Cold Work of Forming as applicable per AISI S100-2016 (2020) with S2-20 section A3.3.2.
- The strength analysis included separate bending and shear checks plus the combined interaction of bending and shear effects per section H2 of AISI S100-2016 (2020) with S2-20.
- The strength analysis included separate bending and axial load checks plus the combined interaction of bending and axial load effects per section H1 of AISI S100-2016 (2020) with S2-20.
- Web crippling strength check includes both single stud per section G5 of AISI S100-2016 (2020) with S2-20 and stud-to-track connection per section B3.2.5.1 of AISI S240-20.
- Single stud web crippling strength is based on minimum of all conditions and load cases in Table G5-2 of AISI S100-2016 (2020) with S2-20.
- The tabulated values for flexural stress were based upon a fully braced side jamb.
- This table is not applicable for axial load bearing walls but is applicable for non-axial load bearing walls.
- Tables were prepared using a 16" o.c. spacing from the jamb stud to the first adjacent typical wall stud. Not applicable for wider spacing.
- Wall base track to match thickness of stud.

Allowable Door Opening Width for RedHeader Lite

Used as Interior Jamb Studs for Door Openings

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 7.5, Dead Load (psf) = 10							
				Strong Axis Deflection Targets							
				L/120		L/240		L/360		L/600	
				Opening Heights							
		7		8		7		8			
9	2-1/2	250RHL250-33	33 (20)	4'-0"	4'-0"	4'-0"	4'-0"	3'-5"	3'-7"	-	-
		250RHL250-43	43 (18)	7'-4"	7'-4"	7'-4"	7'-4"	5'-3"	5'-4"	-	-
	3-5/8	362RHL250-33	33 (20)	3'-10"	3'-11"	3'-10"	3'-11"	3'-10"	3'-11"	3'-10"	3'-11"
		362RHL250-43	43 (18)	7'-2"	7'-2"	7'-2"	7'-2"	7'-2"	7'-2"	7'-2"	7'-2"
	4	400RHL250-33	33 (20)	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"
		400RHL250-43	43 (18)	7'-1"	7'-2"	7'-1"	7'-2"	7'-1"	7'-2"	7'-1"	7'-2"
6	600RHL250-33	33 (20)	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	
	600RHL250-43	43 (18)	6'-11"	7'-0"	6'-11"	7'-0"	6'-11"	7'-0"	6'-11"	7'-0"	
10	2-1/2	250RHL250-33	33 (20)	3'-4"	3'-5"	3'-4"	3'-5"	-	-	-	-
		250RHL250-43	43 (18)	6'-4"	6'-5"	5'-10"	5'-11"	3'-4"	3'-5"	-	-
	3-5/8	362RHL250-33	33 (20)	3'-3"	3'-4"	3'-3"	3'-4"	3'-3"	3'-4"	3'-3"	3'-4"
		362RHL250-43	43 (18)	6'-3"	6'-4"	6'-3"	6'-4"	6'-3"	6'-4"	5'-3"	5'-4"
	4	400RHL250-33	33 (20)	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"
		400RHL250-43	43 (18)	6'-2"	6'-3"	6'-2"	6'-3"	6'-2"	6'-3"	6'-2"	6'-3"
6	600RHL250-33	33 (20)	3'-1"	3'-2"	3'-1"	3'-2"	3'-1"	3'-2"	3'-1"	3'-2"	
	600RHL250-43	43 (18)	6'-0"	6'-1"	6'-0"	6'-1"	6'-0"	6'-1"	6'-0"	6'-1"	
11	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	5'-3"	5'-8"	3'-11"	4'-0"	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	5'-6"	5'-7"	5'-6"	5'-7"	5'-6"	5'-7"	3'-5"	3'-7"
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	5'-5"	5'-6"	5'-5"	5'-6"	5'-5"	5'-6"	4'-9"	4'-10"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	5'-3"	5'-4"	5'-3"	5'-4"	5'-3"	5'-4"	5'-3"	5'-4"	
12	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	3'-11"	4'-3"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	4'-10"	4'-11"	4'-10"	4'-11"	4'-10"	4'-11"	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	4'-10"	4'-11"	4'-10"	4'-11"	4'-10"	4'-11"	3'-3"	3'-3"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	4'-8"	4'-9"	4'-8"	4'-9"	4'-8"	4'-9"	4'-8"	4'-9"	
13	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	3'-2"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	4'-3"	4'-4"	4'-3"	4'-4"	3'-6"	3'-6"	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	4'-3"	4'-4"	4'-3"	4'-4"	4'-3"	4'-4"	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	4'-1"	4'-2"	4'-1"	4'-2"	4'-1"	4'-2"	4'-1"	4'-2"	
14	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	3'-10"	3'-11"	3'-10"	3'-11"	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	3'-9"	3'-10"	3'-9"	3'-10"	3'-6"	3'-6"	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	3'-8"	3'-9"	3'-8"	3'-9"	3'-8"	3'-9"	3'-8"	3'-9"	
15	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	3'-5"	3'-6"	3'-4"	3'-4"	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	3'-4"	3'-6"	3'-4"	3'-6"	-	-	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	3'-3"	3'-4"	3'-3"	3'-4"	3'-3"	3'-4"	3'-3"	3'-4"	

Notes:

- 1 This table is based on the 0" sill heights and listed opening heights. Other conditions may result in differing results. Contact Technical Service for analysis of other conditions.
- 2 Opening widths are limited to 16'-0" for 2-1/2", 3-5/8", 4", & 6" members.
- 3 Physical properties and this table have been calculated in conformance with the AISI S100-2016 (2020) with S2-20.
- 4 Effective properties incorporate the strength increase from the Cold Work of Forming as applicable per AISI S100-2016 (2020) with S2-20 section A3.3.2.
- 5 The strength analysis included separate bending and shear checks plus the combined interaction of bending and shear effects per section H2 of AISI S100-2016 (2020) with S2-20.
- 6 The strength analysis included separate bending and axial load checks plus the combined interaction of bending and axial load effects per section H1 of AISI S100-2016 (2020) with S2-20.
- 7 Web crippling strength check includes both single stud per section G5 of AISI S100-2016 (2020) with S2-20 and stud-to-track connection per section B3.2.5.1 of AISI S240-20.
- 8 Single stud web crippling strength is based on minimum of all conditions and load cases in Table G5-2 of AISI S100-2016 (2020) with S2-20.
- 9 The tabulated values for flexural stress were based upon a fully braced side jamb.
- 10 This table is not applicable for axial load bearing walls but is applicable for non-axial load bearing walls.
- 11 Tables were prepared using a 16" o.c. spacing from the jamb stud to the first adjacent typical wall stud. Not applicable for wider spacing.
- 12 Wall base track to match thickness of stud.

Allowable Door Opening Width for RedHeader Lite

Used as Interior Jamb Studs for Door Openings

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 10, Dead Load (psf) = 10							
				Strong Axis Deflection Targets							
				L/120		L/240		L/360		L/600	
				Opening Heights							
		7		8		7		8			
9	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	5'-1"	5'-2"	5'-1"	5'-2"	3'-7"	3'-8"	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	5'-0"	5'-1"	5'-0"	5'-1"	5'-0"	5'-1"	5'-0"	5'-1"
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	4'-10"	4'-10"	4'-10"	4'-10"	4'-10"	4'-10"	4'-10"	4'-10"	
10	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	4'-5"	4'-6"	4'-0"	4'-1"	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	4'-4"	4'-4"	4'-4"	4'-4"	4'-4"	4'-4"	3'-6"	3'-7"
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	4'-3"	4'-4"	4'-3"	4'-4"	4'-3"	4'-4"	4'-3"	4'-4"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	4'-2"	4'-2"	4'-2"	4'-2"	4'-2"	4'-2"	4'-2"	4'-2"	
11	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	3'-9"	3'-11"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	3'-9"	3'-10"	3'-9"	3'-10"	3'-9"	3'-10"	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	3'-8"	3'-9"	3'-8"	3'-9"	3'-8"	3'-9"	3'-1"	3'-3"
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	3'-7"	3'-8"	3'-7"	3'-8"	3'-7"	3'-8"	3'-7"	3'-8"	
12	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	3'-0"	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	3'-3"	3'-4"	3'-3"	3'-4"	3'-3"	3'-3"	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	3'-2"	3'-3"	3'-2"	3'-3"	3'-2"	3'-3"	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	3'-1"	3'-2"	3'-1"	3'-2"	3'-1"	3'-2"	3'-1"	3'-2"	
13	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	-	-	-	-	-	-	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	-	-	-	-	-	-	-	-	
14	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	-	-	-	-	-	-	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	-	-	-	-	-	-	-	-	
15	2-1/2	250RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		250RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	3-5/8	362RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		362RHL250-43	43 (18)	-	-	-	-	-	-	-	-
	4	400RHL250-33	33 (20)	-	-	-	-	-	-	-	-
		400RHL250-43	43 (18)	-	-	-	-	-	-	-	-
6	600RHL250-33	33 (20)	-	-	-	-	-	-	-	-	
	600RHL250-43	43 (18)	-	-	-	-	-	-	-	-	

Notes:

- This table is based on the 0" sill heights and listed opening heights. Other conditions may result in differing results. Contact Technical Service for analysis of other conditions.
- Opening widths are limited to 16'-0" for 2-1/2", 3-5/8", 4", & 6" members.
- Physical properties and this table have been calculated in conformance with the AISI S100-2016 (2020) with S2-20.
- Effective properties incorporate the strength increase from the Cold Work of Forming as applicable per AISI S100-2016 (2020) with S2-20 section A3.3.2.
- The strength analysis included separate bending and shear checks plus the combined interaction of bending and shear effects per section H2 of AISI S100-2016 (2020) with S2-20.
- The strength analysis included separate bending and axial load checks plus the combined interaction of bending and axial load effects per section H1 of AISI S100-2016 (2020) with S2-20.
- Web crippling strength check includes both single stud per section G5 of AISI S100-2016 (2020) with S2-20 and stud-to-track connection per section B3.2.5.1 of AISI S240-20.
- Single stud web crippling strength is based on minimum of all conditions and load cases in Table G5-2 of AISI S100-2016 (2020) with S2-20.
- The tabulated values for flexural stress were based upon a fully braced side jamb.
- This table is not applicable for axial load bearing walls but is applicable for non-axial load bearing walls.
- Tables were prepared using a 16" o.c. spacing from the jamb stud to the first adjacent typical wall stud. Not applicable for wider spacing.
- Wall base track to match thickness of stud.

Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with RHLC Clip

Interior Allowable Spans: Lateral Load (psf) = 7.5, Dead Load (psf) = 10																		
Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Strong Axis Deflection Targets														
				L/120			L/240			L/360								
				Opening Heights														
				7	8	9	10	11	7	8	9	10	11	7	8	9	10	11
9	2-1/2	250RHL250-33	33 (20)	7'-3"	8'-6"	-	-	-	7'-3"	8'-5"	-	-	-	7'-3"	7'-4"	-	-	-
		250RHL250-43	43 (18)	8'-5"	9'-9"	-	-	-	8'-5"	9'-4"	-	-	-	8'-2"	8'-2"	-	-	-
	3-5/8	362RHL250-33	33 (20)	7'-10"	9'-6"	-	-	-	7'-10"	9'-6"	-	-	-	7'-10"	9'-6"	-	-	-
		362RHL250-43	43 (18)	9'-3"	11'-1"	-	-	-	9'-3"	11'-1"	-	-	-	9'-3"	10'-9"	-	-	-
	4	400RHL250-33	33 (20)	8'-0"	9'-9"	-	-	-	8'-0"	9'-9"	-	-	-	8'-0"	9'-9"	-	-	-
		400RHL250-43	43 (18)	9'-5"	11'-5"	-	-	-	9'-5"	11'-5"	-	-	-	9'-5"	11'-5"	-	-	-
6	600RHL250-33	33 (20)	8'-5"	10'-7"	-	-	-	8'-5"	10'-7"	-	-	-	8'-5"	10'-7"	-	-	-	
	600RHL250-43	43 (18)	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-	
10	2-1/2	250RHL250-33	33 (20)	6'-4"	7'-3"	8'-6"	-	-	6'-4"	7'-3"	8'-1"	-	-	6'-4"	7'-1"	7'-1"	-	-
		250RHL250-43	43 (18)	7'-5"	8'-4"	9'-8"	-	-	7'-5"	8'-4"	9'-0"	-	-	7'-5"	7'-10"	7'-10"	-	-
	3-5/8	362RHL250-33	33 (20)	6'-10"	7'-10"	9'-5"	-	-	6'-10"	7'-10"	9'-5"	-	-	6'-10"	7'-10"	9'-4"	-	-
		362RHL250-43	43 (18)	8'-0"	9'-2"	11'-0"	-	-	8'-0"	9'-2"	11'-0"	-	-	8'-0"	9'-2"	10'-5"	-	-
	4	400RHL250-33	33 (20)	6'-11"	8'-0"	9'-8"	-	-	6'-11"	8'-0"	9'-8"	-	-	6'-11"	8'-0"	9'-8"	-	-
		400RHL250-43	43 (18)	8'-1"	9'-4"	11'-3"	-	-	8'-1"	9'-4"	11'-3"	-	-	8'-1"	9'-4"	11'-2"	-	-
6	600RHL250-33	33 (20)	7'-2"	8'-5"	10'-6"	-	-	7'-2"	8'-5"	10'-6"	-	-	7'-2"	8'-5"	10'-6"	-	-	
	600RHL250-43	43 (18)	8'-6"	9'-11"	12'-4"	-	-	8'-6"	9'-11"	12'-4"	-	-	8'-6"	9'-11"	12'-4"	-	-	
11	2-1/2	250RHL250-33	33 (20)	5'-9"	6'-4"	7'-3"	8'-6"	-	5'-9"	6'-4"	7'-3"	7'-10"	-	5'-9"	6'-4"	6'-10"	6'-10"	-
		250RHL250-43	43 (18)	6'-8"	7'-5"	8'-4"	9'-8"	-	6'-8"	7'-5"	8'-4"	8'-9"	-	6'-8"	7'-5"	7'-7"	7'-7"	-
	3-5/8	362RHL250-33	33 (20)	6'-1"	6'-10"	7'-10"	9'-5"	-	6'-1"	6'-10"	7'-10"	9'-5"	-	6'-1"	6'-10"	7'-10"	9'-1"	-
		362RHL250-43	43 (18)	7'-2"	8'-0"	9'-2"	10'-10"	-	7'-2"	8'-0"	9'-2"	10'-10"	-	7'-2"	8'-0"	9'-2"	10'-1"	-
	4	400RHL250-33	33 (20)	6'-2"	6'-11"	8'-0"	9'-7"	-	6'-2"	6'-11"	8'-0"	9'-7"	-	6'-2"	6'-11"	8'-0"	9'-7"	-
		400RHL250-43	43 (18)	7'-3"	8'-1"	9'-4"	11'-2"	-	7'-3"	8'-1"	9'-4"	11'-2"	-	7'-3"	8'-1"	9'-4"	10'-10"	-
6	600RHL250-33	33 (20)	6'-4"	7'-2"	8'-4"	10'-5"	-	6'-4"	7'-2"	8'-4"	10'-5"	-	6'-4"	7'-2"	8'-4"	10'-5"	-	
	600RHL250-43	43 (18)	7'-6"	8'-6"	9'-10"	12'-3"	-	7'-6"	8'-6"	9'-10"	12'-3"	-	7'-6"	8'-6"	9'-10"	12'-3"	-	
12	2-1/2	250RHL250-33	33 (20)	5'-3"	5'-9"	6'-4"	7'-3"	8'-6"	5'-3"	5'-9"	6'-4"	7'-3"	7'-8"	5'-3"	5'-9"	6'-4"	6'-8"	6'-8"
		250RHL250-43	43 (18)	6'-2"	6'-8"	7'-5"	8'-4"	9'-8"	6'-2"	6'-8"	7'-5"	8'-4"	8'-6"	6'-2"	6'-8"	7'-5"	7'-5"	7'-5"
	3-5/8	362RHL250-33	33 (20)	5'-6"	6'-1"	6'-10"	7'-10"	9'-5"	5'-6"	6'-1"	6'-10"	7'-10"	9'-5"	5'-6"	6'-1"	6'-10"	7'-10"	8'-10"
		362RHL250-43	43 (18)	6'-6"	7'-2"	8'-0"	9'-2"	10'-10"	6'-6"	7'-2"	8'-0"	9'-2"	10'-10"	6'-6"	7'-2"	8'-0"	9'-2"	9'-9"
	4	400RHL250-33	33 (20)	5'-7"	6'-2"	6'-11"	8'-0"	9'-7"	5'-7"	6'-2"	6'-11"	8'-0"	9'-7"	5'-7"	6'-2"	6'-11"	8'-0"	9'-6"
		400RHL250-43	43 (18)	6'-7"	7'-3"	8'-1"	9'-4"	11'-1"	6'-7"	7'-3"	8'-1"	9'-4"	11'-1"	6'-7"	7'-3"	8'-1"	9'-4"	10'-6"
6	600RHL250-33	33 (20)	5'-9"	6'-4"	7'-2"	8'-4"	10'-5"	5'-9"	6'-4"	7'-2"	8'-4"	10'-5"	5'-9"	6'-4"	7'-2"	8'-4"	10'-5"	
	600RHL250-43	43 (18)	6'-10"	7'-6"	8'-6"	9'-10"	12'-2"	6'-10"	7'-6"	8'-6"	9'-10"	12'-2"	6'-10"	7'-6"	8'-6"	9'-10"	12'-2"	
13	2-1/2	250RHL250-33	33 (20)	4'-10"	5'-3"	5'-9"	6'-4"	7'-3"	4'-10"	5'-3"	5'-9"	6'-4"	7'-3"	4'-10"	5'-3"	5'-9"	6'-4"	6'-6"
		250RHL250-43	43 (18)	5'-8"	6'-2"	6'-8"	7'-5"	8'-4"	5'-8"	6'-2"	6'-8"	7'-5"	8'-3"	5'-8"	6'-2"	6'-8"	7'-2"	7'-2"
	3-5/8	362RHL250-33	33 (20)	5'-1"	5'-6"	6'-1"	6'-10"	7'-10"	5'-1"	5'-6"	6'-1"	6'-10"	7'-10"	5'-1"	5'-6"	6'-1"	6'-10"	7'-10"
		362RHL250-43	43 (18)	6'-0"	6'-6"	7'-2"	8'-10"	9'-2"	6'-0"	6'-6"	7'-2"	8'-0"	9'-2"	6'-0"	6'-6"	7'-2"	8'-0"	9'-2"
	4	400RHL250-33	33 (20)	5'-2"	5'-7"	6'-2"	6'-11"	8'-0"	5'-2"	5'-7"	6'-2"	6'-11"	8'-0"	5'-2"	5'-7"	6'-2"	6'-11"	8'-0"
		400RHL250-43	43 (18)	6'-1"	6'-7"	7'-3"	8'-1"	9'-4"	6'-1"	6'-7"	7'-3"	8'-1"	9'-4"	6'-1"	6'-7"	7'-3"	8'-1"	9'-4"
6	600RHL250-33	33 (20)	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"	
	600RHL250-43	43 (18)	6'-3"	6'-10"	7'-6"	8'-6"	9'-10"	6'-3"	6'-10"	7'-6"	8'-6"	9'-10"	6'-3"	6'-10"	7'-6"	8'-6"	9'-10"	
14	2-1/2	250RHL250-33	33 (20)	4'-6"	4'-10"	5'-3"	5'-9"	6'-4"	4'-6"	4'-10"	5'-3"	5'-9"	6'-4"	4'-6"	4'-10"	5'-3"	5'-9"	6'-4"
		250RHL250-43	43 (18)	5'-4"	5'-8"	6'-2"	6'-8"	7'-5"	5'-4"	5'-8"	6'-2"	6'-8"	7'-5"	5'-4"	5'-8"	6'-2"	6'-8"	7'-0"
	3-5/8	362RHL250-33	33 (20)	4'-9"	5'-1"	5'-6"	6'-1"	6'-10"	4'-9"	5'-1"	5'-6"	6'-1"	6'-10"	4'-9"	5'-1"	5'-6"	6'-1"	6'-10"
		362RHL250-43	43 (18)	5'-8"	6'-0"	6'-6"	7'-2"	8'-0"	5'-8"	6'-0"	6'-6"	7'-2"	8'-0"	5'-8"	6'-0"	6'-6"	7'-2"	8'-0"
	4	400RHL250-33	33 (20)	4'-10"	5'-2"	5'-7"	6'-2"	6'-11"	4'-10"	5'-2"	5'-7"	6'-2"	6'-11"	4'-10"	5'-2"	5'-7"	6'-2"	6'-11"
		400RHL250-43	43 (18)	5'-8"	6'-1"	6'-7"	7'-3"	8'-1"	5'-8"	6'-1"	6'-7"	7'-3"	8'-1"	5'-8"	6'-1"	6'-7"	7'-3"	8'-1"
6	600RHL250-33	33 (20)	4'-11"	5'-3"	5'-9"	6'-4"	7'-2"	4'-11"	5'-3"	5'-9"	6'-4"	7'-2"	4'-11"	5'-3"	5'-9"	6'-4"	7'-2"	
	600RHL250-43	43 (18)	5'-10"	6'-3"	6'-10"	7'-6"	8'-6"	5'-10"	6'-3"	6'-10"	7'-6"	8'-6"	5'-10"	6'-3"	6'-10"	7'-6"	8'-6"	
15	2-1/2	250RHL250-33	33 (20)	4'-3"	4'-6"	4'-10"	5'-3"	5'-9"	4'-3"	4'-6"	4'-10"	5'-3"	5'-9"	4'-3"	4'-6"	4'-10"	5'-3"	5'-9"
		250RHL250-43	43 (18)	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"
	3-5/8	362RHL250-33	33 (20)	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"
		362RHL250-43	43 (18)	5'-4"	5'-8"	6'-0"	6'-6"	7'-2"	5'-4"	5'-8"	6'-0"	6'-6"	7'-2"	5'-4"	5'-8"	6'-0"	6'-6"	7'-2"
	4	400RHL250-33	33 (20)	4'-6"	4'-10"	5'-2"	5'-7"	6'-2"	4'-6"	4'-10"	5'-2"	5'-7"	6'-2"	4'-6"	4'-10"	5'-2"	5'-7"	6'-2"
		400RHL250-43	43 (18)	5'-4"	5'-8"	6'-1"	6'-7"	7'-3"	5'-4"	5'-8"	6'-1"	6'-7"	7'-3"	5'-4"	5'-8"	6'-1"	6'-7"	7'-3"
6	600RHL250-33	33 (20)	4'-7"	5'-4"	5'-9"	6'-4"	7'-2"	4'-7"	5'-4"	5'-9"	6'-4"	7'-2"	4'-7"	5'-4"	5'-9"	6'-4"	7'-2"	
	600RHL250-43	43 (18)	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"	

- Notes:**
- 1 All headers require the attachment of the RHLC connector at each end with headers installed open side up.
 - 2 Recommended RHLC connector attachments above are based on the jamb stud thickness being equal to or greater than header thickness.
 - 3 Header framing was calculated with a sill height of 0" for worst case design.
 - 4 Section properties are based on the AISI S100-16 (2020) w/52-20.
 - 5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2.
 - 6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary B5.
 - 7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.
 - 8 Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.
 - 9 For Wall Dead Load calculations, 10psf is used for interior framing.
 - 10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".
 - 11 Spans listed are based on unpunCHED members.
 - 12 Span tables are based on ASD load capacities for the RHLC connector.

Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with RHLC Clip

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 10, Dead Load (psf) = 10														
				Strong Axis Deflection Targets														
				L/120					L/240					L/360				
				Opening Heights														
				7	8	9	10	11	7	8	9	10	11	7	8	9	10	11
9	2-1/2	250RHL250-33	33 (20)	6'-9"	7'-10"	-	-	-	6'-9"	7'-8"	-	-	-	6'-8"	6'-8"	-	-	-
		250RHL250-43	43 (18)	7'-10"	9'-0"	-	-	-	7'-10"	8'-6"	-	-	-	7'-5"	7'-5"	-	-	-
	3-5/8	362RHL250-33	33 (20)	7'-5"	8'-10"	-	-	-	7'-5"	8'-10"	-	-	-	7'-5"	8'-10"	-	-	-
		362RHL250-43	43 (18)	8'-9"	10'-3"	-	-	-	8'-9"	10'-3"	-	-	-	8'-9"	9'-9"	-	-	-
	4	400RHL250-33	33 (20)	7'-7"	9'-1"	-	-	-	7'-7"	9'-1"	-	-	-	7'-7"	9'-1"	-	-	-
		400RHL250-43	43 (18)	8'-11"	10'-7"	-	-	-	8'-11"	10'-7"	-	-	-	8'-11"	10'-6"	-	-	-
6	600RHL250-33	33 (20)	8'-1"	10'-0"	-	-	-	8'-1"	10'-0"	-	-	-	8'-1"	10'-0"	-	-	-	
	600RHL250-43	43 (18)	9'-7"	11'-9"	-	-	-	9'-7"	11'-9"	-	-	-	9'-7"	11'-9"	-	-	-	
10	2-1/2	250RHL250-33	33 (20)	6'-0"	6'-9"	7'-10"	-	-	6'-0"	6'-9"	7'-4"	-	-	6'-0"	6'-5"	6'-5"	-	-
		250RHL250-43	43 (18)	7'-0"	7'-10"	9'-0"	-	-	7'-0"	7'-10"	8'-2"	-	-	7'-0"	7'-2"	7'-2"	-	-
	3-5/8	362RHL250-33	33 (20)	6'-6"	7'-5"	8'-10"	-	-	6'-6"	7'-5"	8'-10"	-	-	6'-6"	7'-5"	8'-6"	-	-
		362RHL250-43	43 (18)	7'-8"	8'-8"	10'-2"	-	-	7'-8"	8'-8"	10'-2"	-	-	7'-8"	8'-8"	9'-5"	-	-
	4	400RHL250-33	33 (20)	6'-7"	7'-7"	9'-0"	-	-	6'-7"	7'-7"	9'-0"	-	-	6'-7"	7'-7"	9'-0"	-	-
		400RHL250-43	43 (18)	7'-9"	8'-10"	10'-5"	-	-	7'-9"	8'-10"	10'-5"	-	-	7'-9"	8'-10"	10'-2"	-	-
6	600RHL250-33	33 (20)	7'-0"	8'-1"	9'-10"	-	-	7'-0"	8'-1"	9'-10"	-	-	7'-0"	8'-1"	9'-10"	-	-	
	600RHL250-43	43 (18)	8'-3"	9'-6"	11'-7"	-	-	8'-3"	9'-6"	11'-7"	-	-	8'-3"	9'-6"	11'-7"	-	-	
11	2-1/2	250RHL250-33	33 (20)	5'-5"	6'-0"	6'-9"	7'-10"	-	5'-5"	6'-0"	6'-9"	7'-2"	-	5'-5"	6'-0"	6'-3"	6'-3"	-
		250RHL250-43	43 (18)	6'-4"	7'-0"	7'-10"	9'-0"	-	6'-4"	7'-0"	7'-10"	8'-0"	-	6'-4"	6'-11"	6'-11"	6'-11"	-
	3-5/8	362RHL250-33	33 (20)	5'-10"	6'-6"	7'-5"	8'-10"	-	5'-10"	6'-6"	7'-5"	8'-10"	-	5'-10"	6'-6"	7'-5"	8'-3"	-
		362RHL250-43	43 (18)	6'-10"	7'-8"	8'-8"	10'-1"	-	6'-10"	7'-8"	8'-8"	10'-1"	-	6'-10"	7'-8"	8'-8"	9'-2"	-
	4	400RHL250-33	33 (20)	6'-0"	6'-7"	7'-7"	9'-0"	-	6'-0"	6'-7"	7'-7"	9'-0"	-	6'-0"	6'-7"	7'-7"	8'-11"	-
		400RHL250-43	43 (18)	7'-0"	7'-9"	8'-10"	10'-4"	-	7'-0"	7'-9"	8'-10"	10'-4"	-	7'-0"	7'-9"	8'-10"	9'-10"	-
6	600RHL250-33	33 (20)	6'-2"	7'-0"	8'-1"	9'-10"	-	6'-2"	7'-0"	8'-1"	9'-10"	-	6'-2"	7'-0"	8'-1"	9'-10"	-	
	600RHL250-43	43 (18)	7'-4"	8'-2"	9'-6"	11'-6"	-	7'-4"	8'-2"	9'-6"	11'-6"	-	7'-4"	8'-2"	9'-6"	11'-6"	-	
12	2-1/2	250RHL250-33	33 (20)	5'-0"	5'-5"	6'-0"	6'-9"	7'-10"	5'-0"	5'-5"	6'-0"	6'-9"	7'-0"	5'-0"	5'-5"	6'-0"	6'-1"	6'-1"
		250RHL250-43	43 (18)	5'-10"	6'-4"	7'-0"	7'-10"	9'-0"	5'-10"	6'-4"	7'-0"	7'-8"	7'-8"	5'-10"	6'-4"	6'-9"	6'-9"	6'-9"
	3-5/8	362RHL250-33	33 (20)	5'-4"	5'-10"	6'-6"	7'-5"	8'-10"	5'-4"	5'-10"	6'-6"	7'-5"	8'-10"	5'-4"	5'-10"	6'-6"	7'-5"	8'-0"
		362RHL250-43	43 (18)	6'-3"	6'-10"	7'-8"	8'-8"	10'-1"	6'-3"	6'-10"	7'-8"	8'-8"	10'-1"	6'-3"	6'-10"	7'-8"	8'-8"	8'-11"
	4	400RHL250-33	33 (20)	5'-5"	6'-0"	6'-7"	7'-7"	9'-0"	5'-5"	6'-0"	6'-7"	7'-7"	9'-0"	5'-5"	6'-0"	6'-7"	7'-7"	8'-8"
		400RHL250-43	43 (18)	6'-5"	7'-0"	7'-9"	8'-10"	10'-4"	6'-5"	7'-0"	7'-9"	8'-10"	10'-4"	6'-5"	7'-0"	7'-9"	8'-10"	9'-7"
6	600RHL250-33	33 (20)	5'-7"	6'-2"	7'-0"	8'-1"	9'-10"	5'-7"	6'-2"	7'-0"	8'-1"	9'-10"	5'-7"	6'-2"	7'-0"	8'-1"	9'-10"	
	600RHL250-43	43 (18)	6'-8"	7'-4"	8'-2"	9'-6"	11'-5"	6'-8"	7'-4"	8'-2"	9'-6"	11'-5"	6'-8"	7'-4"	8'-2"	9'-6"	11'-5"	
13	2-1/2	250RHL250-33	33 (20)	4'-8"	5'-0"	5'-5"	6'-0"	6'-9"	4'-8"	5'-0"	5'-5"	6'-0"	6'-9"	4'-8"	5'-0"	5'-5"	5'-11"	5'-11"
		250RHL250-43	43 (18)	5'-5"	5'-10"	6'-4"	7'-0"	7'-10"	5'-5"	5'-10"	6'-4"	7'-0"	7'-6"	5'-5"	5'-10"	6'-4"	6'-6"	6'-6"
	3-5/8	362RHL250-33	33 (20)	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"
		362RHL250-43	43 (18)	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"
	4	400RHL250-33	33 (20)	5'-0"	5'-5"	6'-0"	6'-7"	7'-7"	5'-0"	5'-5"	6'-0"	6'-7"	7'-7"	5'-0"	5'-5"	6'-0"	6'-7"	7'-7"
		400RHL250-43	43 (18)	5'-11"	6'-5"	7'-0"	7'-9"	8'-10"	5'-11"	6'-5"	7'-0"	7'-9"	8'-10"	5'-11"	6'-5"	7'-0"	7'-9"	8'-10"
6	600RHL250-33	33 (20)	5'-2"	5'-7"	6'-2"	7'-0"	8'-1"	5'-2"	5'-7"	6'-2"	7'-0"	8'-1"	5'-2"	5'-7"	6'-2"	7'-0"	8'-1"	
	600RHL250-43	43 (18)	6'-1"	6'-8"	7'-4"	8'-2"	9'-6"	6'-1"	6'-8"	7'-4"	8'-2"	9'-6"	6'-1"	6'-8"	7'-4"	8'-2"	9'-6"	
14	2-1/2	250RHL250-33	33 (20)	4'-4"	4'-8"	5'-0"	5'-5"	6'-0"	4'-4"	4'-8"	5'-0"	5'-5"	6'-0"	4'-4"	4'-8"	5'-0"	5'-5"	5'-9"
		250RHL250-43	43 (18)	5'-1"	5'-5"	5'-10"	6'-4"	7'-0"	5'-1"	5'-5"	5'-10"	6'-4"	7'-0"	5'-1"	5'-5"	5'-10"	6'-4"	6'-5"
	3-5/8	362RHL250-33	33 (20)	4'-7"	5'-0"	5'-4"	5'-10"	6'-6"	4'-7"	5'-0"	5'-4"	5'-10"	6'-6"	4'-7"	5'-0"	5'-4"	5'-10"	6'-6"
		362RHL250-43	43 (18)	5'-6"	5'-10"	6'-3"	6'-10"	7'-8"	5'-6"	5'-10"	6'-3"	6'-10"	7'-8"	5'-6"	5'-10"	6'-3"	6'-10"	7'-8"
	4	400RHL250-33	33 (20)	4'-8"	5'-0"	5'-5"	6'-0"	6'-7"	4'-8"	5'-0"	5'-5"	6'-0"	6'-7"	4'-8"	5'-0"	5'-5"	6'-0"	6'-7"
		400RHL250-43	43 (18)	5'-6"	5'-11"	6'-5"	7'-0"	7'-9"	5'-6"	5'-11"	6'-5"	7'-0"	7'-9"	5'-6"	5'-11"	6'-5"	7'-0"	7'-9"
6	600RHL250-33	33 (20)	4'-9"	5'-2"	5'-7"	6'-2"	7'-0"	4'-9"	5'-2"	5'-7"	6'-2"	7'-0"	4'-9"	5'-2"	5'-7"	6'-2"	7'-0"	
	600RHL250-43	43 (18)	5'-8"	6'-1"	6'-8"	7'-4"	8'-2"	5'-8"	6'-1"	6'-8"	7'-4"	8'-2"	5'-8"	6'-1"	6'-8"	7'-4"	8'-2"	
15	2-1/2	250RHL250-33	33 (20)	4'-1"	4'-4"	4'-8"	5'-4"	5'-5"	4'-1"	4'-4"	4'-8"	5'-0"	5'-5"	4'-1"	4'-4"	4'-8"	5'-0"	5'-5"
		250RHL250-43	43 (18)	4'-10"	5'-1"	5'-5"	5'-10"	6'-4"	4'-10"	5'-1"	5'-5"	5'-10"	6'-4"	4'-10"	5'-1"	5'-5"	5'-10"	6'-3"
	3-5/8	362RHL250-33	33 (20)	4'-4"	4'-7"	5'-0"	5'-4"	5'-10"	4'-4"	4'-7"	5'-0"	5'-4"	5'-10"	4'-4"	4'-7"	5'-0"	5'-4"	5'-10"
		362RHL250-43	43 (18)	5'-2"	5'-6"	5'-10"	6'-3"	6'-10"	5'-2"	5'-6"	5'-10"	6'-3"	6'-10"	5'-2"	5'-6"	5'-10"	6'-3"	6'-10"
	4	400RHL250-33	33 (20)	4'-5"	4'-8"	5'-0"	5'-5"	6'-0"	4'-5"	4'-8"	5'-0"	5'-5"	6'-0"	4'-5"	4'-8"	5'-0"	5'-5"	6'-0"
		400RHL250-43	43 (18)	5'-2"	5'-6"	5'-11"	6'-5"	7'-0"	5'-2"	5'-6"	5'-11"	6'-5"	7'-0"	5'-2"	5'-6"	5'-11"	6'-5"	7'-0"
6	600RHL250-33	33 (20)	4'-6"	4'-9"	5'-2"	5'-7"	6'-2"	4'-6"	4'-9"	5'-2"	5'-7"	6'-2"	4'-6"	4'-9"	5'-2"	5'-7"	6'-2"	
	600RHL250-43	43 (18)	5'-4"	5'-8"	6'-1"	6'-8"	7'-4"	5'-4"	5'-8"	6'-1"	6'-8"	7'-4"	5'-4"	5'-8"	6'-1"	6'-8"	7'-4"	

Notes:
 1 All headers require the attachment of the RHLC connector at each end with headers installed open side up.
 2 Recommended RHLC connector attachments above are based on the jamb stud thickness being equal to or greater than header thickness.
 3 Header framing was calculated with a sill height of 0" for worst case design.
 4 Section properties are based on the AISI S100-16 (2020) w/S2-20.
 5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2.
 6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary B5.
 7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.
 8 Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.
 9 For Wall Dead Load calculations, 10psf is used for interior framing.
 10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".
 11 Spans listed are based on unpunched members.
 12 Span tables are based on ASD load capacities for the RHLC connector.

Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with S-Series™ Clip

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 5, Dead Load (psf) = 10														
				Strong Axis Deflection Targets														
				L/120					L/240					L/360				
				Opening Heights														
				7	8	9	10	11	7	8	9	10	11	7	8	9	10	11
9	2-1/2	250RHL250-33	33 (20)	7'-10"	9'-5"	-	-	-	7'-10"	9'-5"	-	-	-	7'-10"	8'-5"	-	-	-
		250RHL250-43	43 (18)	9'-2"	10'-11"	-	-	-	9'-2"	10'-8"	-	-	-	9'-2"	9'-4"	-	-	-
	3-5/8	362RHL250-33	33 (20)	8'-4"	10'-5"	-	-	-	8'-4"	10'-5"	-	-	-	8'-4"	10'-5"	-	-	-
		362RHL250-43	43 (18)	9'-1"	12'-3"	-	-	-	9'-1"	12'-3"	-	-	-	9'-1"	12'-3"	-	-	-
	4	400RHL250-33	33 (20)	8'-6"	10'-7"	-	-	-	8'-6"	10'-7"	-	-	-	8'-6"	10'-7"	-	-	-
		400RHL250-43	43 (18)	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-
6	600RHL250-33	33 (20)	8'-9"	11'-4"	-	-	-	8'-9"	11'-4"	-	-	-	8'-9"	11'-4"	-	-	-	
	600RHL250-43	43 (18)	10'-6"	13'-1"	-	-	-	10'-6"	13'-1"	-	-	-	10'-6"	13'-1"	-	-	-	
10	2-1/2	250RHL250-33	33 (20)	6'-9"	7'-10"	9'-4"	-	-	6'-9"	7'-10"	9'-4"	-	-	6'-9"	7'-10"	8'-1"	-	-
		250RHL250-43	43 (18)	8'-0"	9'-1"	10'-9"	-	-	8'-0"	9'-1"	10'-4"	-	-	8'-0"	9'-0"	9'-0"	-	-
	3-5/8	362RHL250-33	33 (20)	7'-0"	8'-4"	-	-	-	7'-0"	8'-4"	10'-4"	-	-	7'-0"	8'-4"	10'-4"	-	-
		362RHL250-43	43 (18)	8'-5"	9'-10"	12'-1"	-	-	8'-5"	9'-10"	12'-1"	-	-	8'-5"	9'-10"	11'-11"	-	-
	4	400RHL250-33	33 (20)	6'-7"	8'-5"	10'-6"	-	-	6'-7"	8'-5"	10'-6"	-	-	6'-7"	8'-5"	10'-6"	-	-
		400RHL250-43	43 (18)	8'-6"	10'-0"	12'-4"	-	-	8'-6"	10'-0"	12'-4"	-	-	8'-6"	10'-0"	12'-4"	-	-
6	600RHL250-33	33 (20)	6'-7"	8'-9"	11'-3"	-	-	6'-7"	8'-9"	11'-3"	-	-	6'-7"	8'-9"	11'-3"	-	-	
	600RHL250-43	43 (18)	8'-9"	10'-5"	13'-1"	-	-	8'-9"	10'-5"	13'-1"	-	-	8'-9"	10'-5"	13'-1"	-	-	
11	2-1/2	250RHL250-33	33 (20)	6'-1"	6'-9"	7'-10"	9'-4"	-	6'-1"	6'-9"	7'-10"	9'-0"	-	6'-1"	6'-9"	7'-10"	7'-10"	-
		250RHL250-43	43 (18)	7'-1"	8'-0"	9'-0"	10'-8"	-	7'-1"	8'-0"	9'-0"	10'-0"	-	7'-1"	8'-0"	8'-9"	8'-9"	-
	3-5/8	362RHL250-33	33 (20)	5'-2"	7'-0"	8'-4"	10'-3"	-	5'-2"	7'-0"	8'-4"	10'-3"	-	5'-2"	7'-0"	8'-4"	10'-3"	-
		362RHL250-43	43 (18)	7'-6"	8'-5"	9'-9"	12'-0"	-	7'-6"	8'-5"	9'-9"	12'-0"	-	7'-6"	8'-5"	9'-9"	11'-6"	-
	4	400RHL250-33	33 (20)	5'-0"	6'-7"	8'-5"	10'-6"	-	5'-0"	6'-7"	8'-5"	10'-6"	-	5'-0"	6'-7"	8'-5"	10'-6"	-
		400RHL250-43	43 (18)	7'-7"	8'-6"	9'-11"	12'-2"	-	7'-7"	8'-6"	9'-11"	12'-2"	-	7'-7"	8'-6"	9'-11"	12'-2"	-
6	600RHL250-33	33 (20)	5'-0"	6'-7"	8'-9"	11'-2"	-	5'-0"	6'-7"	8'-9"	11'-2"	-	5'-0"	6'-7"	8'-9"	11'-2"	-	
	600RHL250-43	43 (18)	7'-9"	8'-9"	10'-4"	13'-1"	-	7'-9"	8'-9"	10'-4"	13'-1"	-	7'-9"	8'-9"	10'-4"	13'-1"	-	
12	2-1/2	250RHL250-33	33 (20)	5'-4"	6'-1"	6'-9"	7'-10"	9'-4"	5'-4"	6'-1"	6'-9"	7'-10"	8'-9"	5'-4"	6'-1"	6'-9"	7'-8"	7'-8"
		250RHL250-43	43 (18)	6'-6"	7'-1"	8'-0"	9'-0"	10'-8"	6'-6"	7'-1"	8'-0"	9'-0"	9'-8"	6'-6"	7'-1"	8'-0"	8'-6"	8'-6"
	3-5/8	362RHL250-33	33 (20)	4'-2"	5'-2"	7'-0"	8'-4"	10'-3"	4'-2"	5'-2"	7'-0"	8'-4"	10'-3"	4'-2"	5'-2"	7'-0"	8'-4"	10'-1"
		362RHL250-43	43 (18)	6'-10"	7'-6"	8'-5"	9'-9"	11'-10"	6'-10"	7'-6"	8'-5"	9'-9"	11'-10"	6'-10"	7'-6"	8'-5"	9'-9"	11'-2"
	4	400RHL250-33	33 (20)	4'-0"	5'-0"	6'-7"	8'-5"	10'-5"	4'-0"	5'-0"	6'-7"	8'-5"	10'-5"	4'-0"	5'-0"	6'-7"	8'-5"	10'-5"
		400RHL250-43	43 (18)	6'-2"	7'-7"	8'-6"	9'-11"	12'-2"	6'-2"	7'-7"	8'-6"	9'-11"	12'-2"	6'-2"	7'-7"	8'-6"	9'-11"	12'-1"
6	600RHL250-33	33 (20)	4'-0"	5'-0"	6'-7"	8'-9"	11'-2"	4'-0"	5'-0"	6'-7"	8'-9"	11'-2"	4'-0"	5'-0"	6'-7"	8'-9"	11'-2"	
	600RHL250-43	43 (18)	6'-4"	7'-9"	8'-9"	10'-4"	13'-1"	6'-4"	7'-9"	8'-9"	10'-4"	13'-1"	6'-4"	7'-9"	8'-9"	10'-4"	13'-1"	
13	2-1/2	250RHL250-33	33 (20)	4'-5"	5'-4"	6'-1"	6'-9"	7'-10"	4'-5"	5'-4"	6'-1"	6'-9"	7'-10"	4'-5"	5'-4"	6'-1"	6'-9"	7'-5"
		250RHL250-43	43 (18)	6'-0"	6'-6"	7'-1"	8'-0"	9'-0"	6'-0"	6'-6"	7'-1"	8'-0"	9'-0"	6'-0"	6'-6"	7'-1"	8'-0"	8'-3"
	3-5/8	362RHL250-33	33 (20)	3'-5"	4'-2"	5'-2"	7'-0"	8'-4"	3'-5"	4'-2"	5'-2"	7'-0"	8'-4"	3'-5"	4'-2"	5'-2"	7'-0"	8'-4"
		362RHL250-43	43 (18)	6'-3"	6'-10"	7'-6"	8'-5"	9'-9"	6'-3"	6'-10"	7'-6"	8'-5"	9'-9"	6'-3"	6'-10"	7'-6"	8'-5"	9'-9"
	4	400RHL250-33	33 (20)	3'-3"	4'-0"	5'-0"	6'-7"	8'-5"	3'-3"	4'-0"	5'-0"	6'-7"	8'-5"	3'-3"	4'-0"	5'-0"	6'-7"	8'-5"
		400RHL250-43	43 (18)	5'-1"	6'-2"	7'-7"	8'-6"	9'-11"	5'-1"	6'-2"	7'-7"	8'-6"	9'-11"	5'-1"	6'-2"	7'-7"	8'-6"	9'-11"
6	600RHL250-33	33 (20)	3'-3"	4'-0"	5'-0"	6'-7"	8'-9"	3'-3"	4'-0"	5'-0"	6'-7"	8'-9"	3'-3"	4'-0"	5'-0"	6'-7"	8'-9"	
	600RHL250-43	43 (18)	5'-3"	6'-4"	7'-9"	8'-9"	10'-4"	5'-3"	6'-4"	7'-9"	8'-9"	10'-4"	5'-3"	6'-4"	7'-9"	8'-9"	10'-4"	
14	2-1/2	250RHL250-33	33 (20)	3'-9"	4'-5"	5'-4"	6'-1"	6'-9"	3'-9"	4'-5"	5'-4"	6'-1"	6'-9"	3'-9"	4'-5"	5'-4"	6'-1"	6'-9"
		250RHL250-43	43 (18)	5'-7"	6'-0"	6'-6"	7'-1"	8'-0"	5'-7"	6'-0"	6'-6"	7'-1"	8'-0"	5'-7"	6'-0"	6'-6"	7'-1"	8'-0"
	3-5/8	362RHL250-33	33 (20)	3'-0"	3'-5"	4'-2"	5'-2"	7'-0"	3'-0"	3'-5"	4'-2"	5'-2"	7'-0"	3'-0"	3'-5"	4'-2"	5'-2"	7'-0"
		362RHL250-43	43 (18)	5'-6"	6'-3"	6'-10"	7'-6"	8'-5"	5'-6"	6'-3"	6'-10"	7'-6"	8'-5"	5'-6"	6'-3"	6'-10"	7'-6"	8'-5"
	4	400RHL250-33	33 (20)	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"
		400RHL250-43	43 (18)	4'-5"	5'-1"	6'-2"	7'-7"	8'-6"	4'-5"	5'-1"	6'-2"	7'-7"	8'-6"	4'-5"	5'-1"	6'-2"	7'-7"	8'-6"
6	600RHL250-33	33 (20)	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	
	600RHL250-43	43 (18)	4'-6"	5'-3"	6'-4"	7'-9"	8'-9"	4'-6"	5'-3"	6'-4"	7'-9"	8'-9"	4'-6"	5'-3"	6'-4"	7'-9"	8'-9"	
15	2-1/2	250RHL250-33	33 (20)	3'-4"	3'-9"	4'-5"	5'-4"	6'-1"	3'-4"	3'-9"	4'-5"	5'-4"	6'-1"	3'-4"	3'-9"	4'-5"	5'-4"	6'-1"
		250RHL250-43	43 (18)	5'-0"	5'-7"	6'-0"	6'-6"	7'-1"	5'-0"	5'-7"	6'-0"	6'-6"	7'-1"	5'-0"	5'-7"	6'-0"	6'-6"	7'-1"
	3-5/8	362RHL250-33	33 (20)	-	3'-0"	3'-5"	4'-2"	5'-2"	-	3'-0"	3'-5"	4'-2"	5'-2"	-	3'-0"	3'-5"	4'-2"	5'-2"
		362RHL250-43	43 (18)	4'-10"	5'-6"	6'-3"	6'-10"	7'-6"	4'-10"	5'-6"	6'-3"	6'-10"	7'-6"	4'-10"	5'-6"	6'-3"	6'-10"	7'-6"
	4	400RHL250-33	33 (20)	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"
		400RHL250-43	43 (18)	3'-10"	4'-5"	5'-1"	6'-2"	7'-7"	3'-10"	4'-5"	5'-1"	6'-2"	7'-7"	3'-10"	4'-5"	5'-1"	6'-2"	7'-7"
6	600RHL250-33	33 (20)	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	
	600RHL250-43	43 (18)	4'-0"	4'-6"	5'-3"	6'-4"	7'-9"	4'-0"	4'-6"	5'-3"	6'-4"	7'-9"	4'-0"	4'-6"	5'-3"	6'-4"	7'-9"	

- Notes:**
- All headers require the attachment of the S-Series Clip at each end with headers installed open side up.
 - Recommended S-Series Clip attachments above are based on the jamb stud thickness being equal to or greater than header thickness.
 - Header framing was calculated with a sill height of 0" for worst case design.
 - Section properties are based on the AISI S100-16 (2020) w/S2-20.
 - Increase strength in cold work of forming was used per AISI S100 section A3.3.2.
 - For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary BS.
 - On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.
 - Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.
 - For Wall Dead Load calculations, 10psf is used for interior framing.
 - Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".
 - Spans listed are based on unpunished members.
 - Span tables are based on ASD load capacities for the S-Series clip.

Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with S-Series™ Clip

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 7.5, Dead Load (psf) = 10															
				Strong Axis Deflection Targets															
				L/120					L/240					L/360					
				Opening Heights															
				7	8	9	10	11	7	8	9	10	11	7	8	9	10	11	
9	2-1/2	250RHL250-33	33 (20)	7'-3"	8'-6"	-	-	-	-	7'-3"	8'-5"	-	-	-	7'-3"	7'-4"	-	-	-
		250RHL250-43	43 (18)	8'-5"	9'-9"	-	-	-	-	8'-5"	9'-4"	-	-	-	8'-2"	8'-2"	-	-	-
	3-5/8	362RHL250-33	33 (20)	7'-10"	9'-6"	-	-	-	-	7'-10"	9'-6"	-	-	-	7'-10"	9'-6"	-	-	-
		362RHL250-43	43 (18)	9'-3"	11'-1"	-	-	-	-	9'-3"	11'-1"	-	-	-	9'-3"	10'-9"	-	-	-
	4	400RHL250-33	33 (20)	8'-0"	9'-9"	-	-	-	-	8'-0"	9'-9"	-	-	-	8'-0"	9'-9"	-	-	-
		400RHL250-43	43 (18)	9'-5"	11'-5"	-	-	-	-	9'-5"	11'-5"	-	-	-	9'-5"	11'-5"	-	-	-
6	600RHL250-33	33 (20)	8'-5"	10'-7"	-	-	-	-	8'-5"	10'-7"	-	-	-	8'-5"	10'-7"	-	-	-	
	600RHL250-43	43 (18)	10'-0"	12'-6"	-	-	-	-	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-	
10	2-1/2	250RHL250-33	33 (20)	6'-4"	7'-3"	8'-6"	-	-	-	6'-4"	7'-3"	8'-1"	-	-	6'-4"	7'-1"	7'-1"	-	-
		250RHL250-43	43 (18)	7'-5"	8'-4"	9'-8"	-	-	-	7'-5"	8'-4"	9'-0"	-	-	7'-5"	7'-10"	7'-10"	-	-
	3-5/8	362RHL250-33	33 (20)	6'-10"	7'-10"	9'-5"	-	-	-	6'-10"	7'-10"	9'-5"	-	-	6'-10"	7'-10"	9'-4"	-	-
		362RHL250-43	43 (18)	8'-0"	9'-2"	11'-0"	-	-	-	8'-0"	9'-2"	11'-0"	-	-	8'-0"	9'-2"	10'-5"	-	-
	4	400RHL250-33	33 (20)	6'-7"	8'-0"	9'-8"	-	-	-	6'-7"	8'-0"	9'-8"	-	-	6'-7"	8'-0"	9'-8"	-	-
		400RHL250-43	43 (18)	8'-1"	9'-4"	11'-3"	-	-	-	8'-1"	9'-4"	11'-3"	-	-	8'-1"	9'-4"	11'-2"	-	-
6	600RHL250-33	33 (20)	6'-7"	8'-5"	10'-6"	-	-	-	6'-7"	8'-5"	10'-6"	-	-	6'-7"	8'-5"	10'-6"	-	-	
	600RHL250-43	43 (18)	8'-6"	9'-11"	12'-4"	-	-	-	8'-6"	9'-11"	12'-4"	-	-	8'-6"	9'-11"	12'-4"	-	-	
11	2-1/2	250RHL250-33	33 (20)	5'-9"	6'-4"	7'-3"	8'-6"	-	-	5'-9"	6'-4"	7'-3"	7'-10"	-	5'-9"	6'-4"	6'-10"	6'-10"	-
		250RHL250-43	43 (18)	6'-8"	7'-5"	8'-4"	9'-8"	-	-	6'-8"	7'-5"	8'-4"	8'-9"	-	6'-8"	7'-5"	7'-7"	7'-7"	-
	3-5/8	362RHL250-33	33 (20)	5'-2"	6'-10"	7'-10"	9'-5"	-	-	5'-2"	6'-10"	7'-10"	9'-5"	-	5'-2"	6'-10"	7'-10"	9'-1"	-
		362RHL250-43	43 (18)	7'-2"	8'-0"	9'-2"	10'-10"	-	-	7'-2"	8'-0"	9'-2"	10'-10"	-	7'-2"	8'-0"	9'-2"	10'-1"	-
	4	400RHL250-33	33 (20)	5'-0"	6'-7"	8'-0"	9'-7"	-	-	5'-0"	6'-7"	8'-0"	9'-7"	-	5'-0"	6'-7"	8'-0"	9'-7"	-
		400RHL250-43	43 (18)	7'-3"	8'-1"	9'-4"	11'-2"	-	-	7'-3"	8'-1"	9'-4"	11'-2"	-	7'-3"	8'-1"	9'-4"	10'-10"	-
6	600RHL250-33	33 (20)	5'-0"	6'-7"	8'-4"	10'-5"	-	-	5'-0"	6'-7"	8'-4"	10'-5"	-	5'-0"	6'-7"	8'-4"	10'-5"	-	
	600RHL250-43	43 (18)	7'-6"	8'-6"	9'-10"	12'-3"	-	-	7'-6"	8'-6"	9'-10"	12'-3"	-	7'-6"	8'-6"	9'-10"	12'-3"	-	
12	2-1/2	250RHL250-33	33 (20)	5'-3"	5'-9"	6'-4"	7'-3"	8'-6"	5'-3"	5'-9"	6'-4"	7'-3"	7'-8"	5'-3"	5'-9"	6'-4"	6'-8"	6'-8"	-
		250RHL250-43	43 (18)	6'-2"	6'-8"	7'-5"	8'-4"	9'-8"	6'-2"	6'-8"	7'-5"	8'-4"	8'-6"	6'-2"	6'-8"	7'-5"	7'-5"	7'-5"	-
	3-5/8	362RHL250-33	33 (20)	4'-2"	5'-2"	6'-10"	7'-10"	9'-5"	4'-2"	5'-2"	6'-10"	7'-10"	9'-5"	4'-2"	5'-2"	6'-10"	7'-10"	8'-10"	-
		362RHL250-43	43 (18)	6'-6"	7'-2"	8'-0"	9'-2"	10'-10"	6'-6"	7'-2"	8'-0"	9'-2"	10'-10"	6'-6"	7'-2"	8'-0"	9'-2"	9'-9"	-
	4	400RHL250-33	33 (20)	4'-0"	5'-0"	6'-7"	8'-0"	9'-7"	4'-0"	5'-0"	6'-7"	8'-0"	9'-7"	4'-0"	5'-0"	6'-7"	8'-0"	9'-6"	-
		400RHL250-43	43 (18)	6'-1"	7'-3"	8'-1"	9'-4"	11'-1"	6'-1"	7'-3"	8'-1"	9'-4"	11'-1"	6'-1"	7'-3"	8'-1"	9'-4"	10'-6"	-
6	600RHL250-33	33 (20)	4'-0"	5'-0"	6'-7"	8'-4"	10'-5"	4'-0"	5'-0"	6'-7"	8'-4"	10'-5"	4'-0"	5'-0"	6'-7"	8'-4"	10'-5"	-	
	600RHL250-43	43 (18)	6'-4"	7'-6"	8'-6"	9'-10"	12'-2"	6'-4"	7'-6"	8'-6"	9'-10"	12'-2"	6'-4"	7'-6"	8'-6"	9'-10"	12'-2"	-	
13	2-1/2	250RHL250-33	33 (20)	4'-4"	5'-3"	5'-9"	6'-4"	7'-3"	4'-4"	5'-3"	5'-9"	6'-4"	7'-3"	4'-4"	5'-3"	5'-9"	6'-4"	6'-6"	-
		250RHL250-43	43 (18)	5'-8"	6'-2"	6'-8"	7'-5"	8'-4"	5'-8"	6'-2"	6'-8"	7'-5"	8'-3"	5'-8"	6'-2"	6'-8"	7'-2"	7'-2"	-
	3-5/8	362RHL250-33	33 (20)	3'-5"	4'-2"	5'-2"	6'-10"	7'-10"	3'-5"	4'-2"	5'-2"	6'-10"	7'-10"	3'-5"	4'-2"	5'-2"	6'-10"	7'-10"	-
		362RHL250-43	43 (18)	6'-0"	6'-6"	7'-2"	8'-0"	9'-2"	6'-0"	6'-6"	7'-2"	8'-0"	9'-2"	6'-0"	6'-6"	7'-2"	8'-0"	9'-2"	-
	4	400RHL250-33	33 (20)	3'-3"	4'-0"	5'-0"	6'-7"	8'-0"	3'-3"	4'-0"	5'-0"	6'-7"	8'-0"	3'-3"	4'-0"	5'-0"	6'-7"	8'-0"	-
		400RHL250-43	43 (18)	5'-1"	6'-1"	7'-3"	8'-1"	9'-4"	5'-1"	6'-1"	7'-3"	8'-1"	9'-4"	5'-1"	6'-1"	7'-3"	8'-1"	9'-4"	-
6	600RHL250-33	33 (20)	3'-3"	4'-0"	5'-0"	6'-7"	8'-4"	3'-3"	4'-0"	5'-0"	6'-7"	8'-4"	3'-3"	4'-0"	5'-0"	6'-7"	8'-4"	-	
	600RHL250-43	43 (18)	5'-3"	6'-4"	7'-6"	8'-6"	9'-10"	5'-3"	6'-4"	7'-6"	8'-6"	9'-10"	5'-3"	6'-4"	7'-6"	8'-6"	9'-10"	-	
14	2-1/2	250RHL250-33	33 (20)	3'-9"	4'-4"	5'-3"	5'-9"	6'-4"	3'-9"	4'-4"	5'-3"	5'-9"	6'-4"	3'-9"	4'-4"	5'-3"	5'-9"	6'-4"	-
		250RHL250-43	43 (18)	5'-4"	5'-8"	6'-2"	6'-8"	7'-5"	5'-4"	5'-8"	6'-2"	6'-8"	7'-5"	5'-4"	5'-8"	6'-2"	6'-8"	7'-0"	-
	3-5/8	362RHL250-33	33 (20)	-	3'-5"	4'-2"	5'-2"	6'-10"	-	3'-5"	4'-2"	5'-2"	6'-10"	-	3'-5"	4'-2"	5'-2"	6'-10"	-
		362RHL250-43	43 (18)	5'-6"	6'-0"	6'-6"	7'-2"	8'-0"	5'-6"	6'-0"	6'-6"	7'-2"	8'-0"	5'-6"	6'-0"	6'-6"	7'-2"	8'-0"	-
	4	400RHL250-33	33 (20)	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-
		400RHL250-43	43 (18)	4'-4"	5'-1"	6'-1"	7'-3"	8'-1"	4'-4"	5'-1"	6'-1"	7'-3"	8'-1"	4'-4"	5'-1"	6'-1"	7'-3"	8'-1"	-
6	600RHL250-33	33 (20)	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	
	600RHL250-43	43 (18)	4'-6"	5'-3"	6'-4"	7'-6"	8'-6"	4'-6"	5'-3"	6'-4"	7'-6"	8'-6"	4'-6"	5'-3"	6'-4"	7'-6"	8'-6"	-	
15	2-1/2	250RHL250-33	33 (20)	3'-3"	3'-9"	4'-4"	5'-3"	5'-9"	3'-3"	3'-9"	4'-4"	5'-3"	5'-9"	3'-3"	3'-9"	4'-4"	5'-3"	5'-9"	-
		250RHL250-43	43 (18)	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"	-
	3-5/8	362RHL250-33	33 (20)	-	-	3'-5"	4'-2"	5'-2"	-	-	3'-5"	4'-2"	5'-2"	-	-	3'-5"	4'-2"	5'-2"	-
		362RHL250-43	43 (18)	4'-9"	5'-6"	6'-0"	6'-6"	7'-2"	4'-9"	5'-6"	6'-0"	6'-6"	7'-2"	4'-9"	5'-6"	6'-0"	6'-6"	7'-2"	-
	4	400RHL250-33	33 (20)	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-
		400RHL250-43	43 (18)	3'-10"	4'-4"	5'-1"	6'-1"	7'-3"	3'-10"	4'-4"	5'-1"	6'-1"	7'-3"	3'-10"	4'-4"	5'-1"	6'-1"	7'-3"	-
6	600RHL250-33	33 (20)	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	
	600RHL250-43	43 (18)	4'-0"	4'-6"	5'-3"	6'-4"	7'-6"	4'-0"	4'-6"	5'-3"	6'-4"	7'-6"	4'-0"	4'-6"	5'-3"	6'-4"	7'-6"	-	

- Notes:**
- 1 All headers require the attachment of the S-Series Clip at each end with headers installed open side up.
 - 2 Recommended S-Series Clip attachments above are based on the jamb stud thickness being equal to or greater than header thickness.
 - 3 Header framing was calculated with a sill height of 0" for worst case design.
 - 4 Section properties are based on the AISI S100-16 (2020) w/S2-20.
 - 5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2.
 - 6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary B5.
 - 7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.
 - 8 Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.
 - 9 For Wall Dead Load calculations, 10psf is used for interior framing.
 - 10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".
 - 11 Spans listed are based on unpunctured members.
 - 12 Span tables are based on ASD load capacities for the S-Series clip.

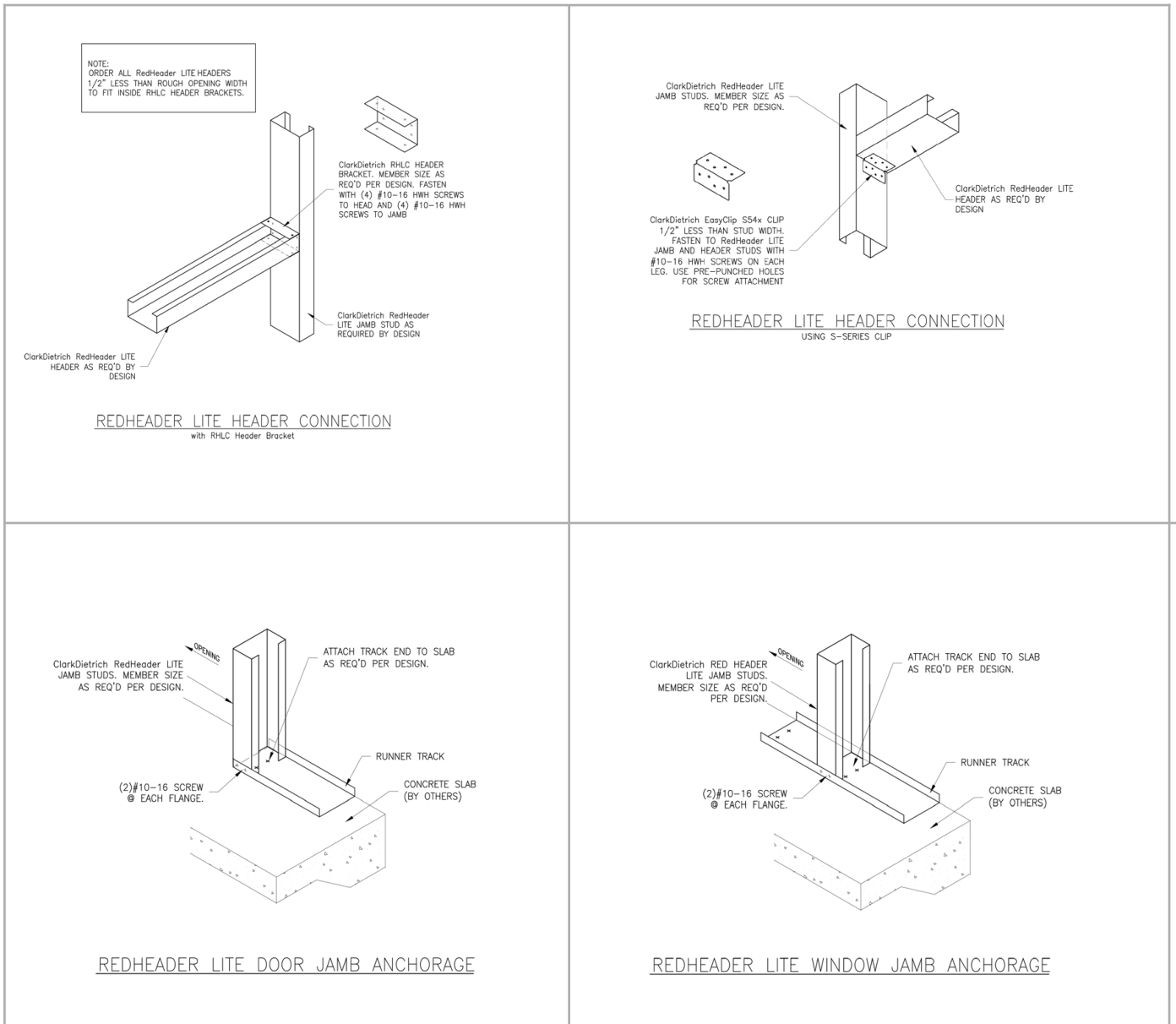
Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with S-Series™ Clip

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 10, Dead Load (psf) = 10														
				Strong Axis Deflection Targets														
				L/120					L/240					L/360				
				Opening Heights														
				7	8	9	10	11	7	8	9	10	11	7	8	9	10	11
9	2-1/2	250RHL250-33	33 (20)	6'-9"	7'-10"	-	-	-	6'-9"	7'-8"	-	-	-	6'-8"	6'-8"	-	-	-
		250RHL250-43	43 (18)	7'-10"	9'-0"	-	-	-	7'-10"	8'-6"	-	-	-	7'-5"	7'-5"	-	-	-
	3-5/8	362RHL250-33	33 (20)	7'-5"	8'-10"	-	-	-	7'-5"	8'-10"	-	-	-	7'-5"	8'-10"	-	-	-
		362RHL250-43	43 (18)	8'-9"	10'-3"	-	-	-	8'-9"	10'-3"	-	-	-	8'-9"	9'-9"	-	-	-
	4	400RHL250-33	33 (20)	7'-7"	9'-1"	-	-	-	7'-7"	9'-1"	-	-	-	7'-7"	9'-1"	-	-	-
		400RHL250-43	43 (18)	8'-11"	10'-7"	-	-	-	8'-11"	10'-7"	-	-	-	8'-11"	10'-6"	-	-	-
6	600RHL250-33	33 (20)	8'-1"	10'-0"	-	-	-	8'-1"	10'-0"	-	-	-	8'-1"	10'-0"	-	-	-	
	600RHL250-43	43 (18)	9'-7"	11'-9"	-	-	-	9'-7"	11'-9"	-	-	-	9'-7"	11'-9"	-	-	-	
10	2-1/2	250RHL250-33	33 (20)	6'-0"	6'-9"	7'-10"	-	-	6'-0"	6'-9"	7'-4"	-	-	6'-0"	6'-5"	6'-5"	-	-
		250RHL250-43	43 (18)	7'-0"	7'-10"	9'-0"	-	-	7'-0"	7'-10"	8'-2"	-	-	7'-0"	7'-2"	7'-2"	-	-
	3-5/8	362RHL250-33	33 (20)	6'-6"	7'-5"	8'-10"	-	-	6'-6"	7'-5"	8'-10"	-	-	6'-6"	7'-5"	8'-6"	-	-
		362RHL250-43	43 (18)	7'-8"	8'-8"	10'-2"	-	-	7'-8"	8'-8"	10'-2"	-	-	7'-8"	8'-8"	9'-5"	-	-
	4	400RHL250-33	33 (20)	6'-6"	7'-7"	9'-0"	-	-	6'-6"	7'-7"	9'-0"	-	-	6'-6"	7'-7"	9'-0"	-	-
		400RHL250-43	43 (18)	7'-9"	8'-10"	10'-5"	-	-	7'-9"	8'-10"	10'-5"	-	-	7'-9"	8'-10"	10'-2"	-	-
6	600RHL250-33	33 (20)	6'-6"	8'-1"	9'-10"	-	-	6'-6"	8'-1"	9'-10"	-	-	6'-6"	8'-1"	9'-10"	-	-	
	600RHL250-43	43 (18)	8'-3"	9'-6"	11'-7"	-	-	8'-3"	9'-6"	11'-7"	-	-	8'-3"	9'-6"	11'-7"	-	-	
11	2-1/2	250RHL250-33	33 (20)	5'-5"	6'-0"	6'-9"	7'-10"	-	5'-5"	6'-0"	6'-9"	7'-2"	-	5'-5"	6'-0"	6'-3"	6'-3"	-
		250RHL250-43	43 (18)	6'-4"	7'-0"	7'-10"	9'-0"	-	6'-4"	7'-0"	7'-10"	8'-0"	-	6'-4"	6'-11"	6'-11"	6'-11"	-
	3-5/8	362RHL250-33	33 (20)	5'-2"	6'-6"	7'-5"	8'-10"	-	5'-2"	6'-6"	7'-5"	8'-10"	-	5'-2"	6'-6"	7'-5"	8'-3"	-
		362RHL250-43	43 (18)	6'-10"	7'-8"	8'-8"	10'-1"	-	6'-10"	7'-8"	8'-8"	10'-1"	-	6'-10"	7'-8"	8'-8"	9'-2"	-
	4	400RHL250-33	33 (20)	4'-11"	6'-6"	7'-7"	9'-0"	-	4'-11"	6'-6"	7'-7"	9'-0"	-	4'-11"	6'-6"	7'-7"	8'-11"	-
		400RHL250-43	43 (18)	7'-0"	7'-9"	8'-10"	10'-4"	-	7'-0"	7'-9"	8'-10"	10'-4"	-	7'-0"	7'-9"	8'-10"	9'-10"	-
6	600RHL250-33	33 (20)	4'-11"	6'-6"	8'-1"	9'-10"	-	4'-11"	6'-6"	8'-1"	9'-10"	-	4'-11"	6'-6"	8'-1"	9'-10"	-	
	600RHL250-43	43 (18)	7'-4"	8'-2"	9'-6"	11'-6"	-	7'-4"	8'-2"	9'-6"	11'-6"	-	7'-4"	8'-2"	9'-6"	11'-6"	-	
12	2-1/2	250RHL250-33	33 (20)	5'-0"	5'-5"	6'-0"	6'-9"	7'-10"	5'-0"	5'-5"	6'-0"	6'-9"	7'-0"	5'-0"	5'-5"	6'-0"	6'-1"	6'-1"
		250RHL250-43	43 (18)	5'-10"	6'-4"	7'-0"	7'-10"	9'-0"	5'-10"	6'-4"	7'-0"	7'-8"	7'-8"	5'-10"	6'-4"	6'-9"	6'-9"	6'-9"
	3-5/8	362RHL250-33	33 (20)	4'-1"	5'-2"	6'-6"	7'-5"	8'-10"	4'-1"	5'-2"	6'-6"	7'-5"	8'-10"	4'-1"	5'-2"	6'-6"	7'-5"	8'-0"
		362RHL250-43	43 (18)	6'-3"	6'-10"	7'-8"	8'-8"	10'-1"	6'-3"	6'-10"	7'-8"	8'-8"	10'-1"	6'-3"	6'-10"	7'-8"	8'-8"	8'-11"
	4	400RHL250-33	33 (20)	4'-0"	4'-11"	6'-6"	7'-7"	9'-0"	4'-0"	4'-11"	6'-6"	7'-7"	9'-0"	4'-0"	4'-11"	6'-6"	7'-7"	8'-8"
		400RHL250-43	43 (18)	6'-1"	7'-0"	7'-9"	8'-10"	10'-4"	6'-1"	7'-0"	7'-9"	8'-10"	10'-4"	6'-1"	7'-0"	7'-9"	8'-10"	9'-7"
6	600RHL250-33	33 (20)	4'-0"	4'-11"	6'-6"	8'-1"	9'-10"	4'-0"	4'-11"	6'-6"	8'-1"	9'-10"	4'-0"	4'-11"	6'-6"	8'-1"	9'-10"	
	600RHL250-43	43 (18)	6'-3"	7'-4"	8'-2"	9'-6"	11'-5"	6'-3"	7'-4"	8'-2"	9'-6"	11'-5"	6'-3"	7'-4"	8'-2"	9'-6"	11'-5"	
13	2-1/2	250RHL250-33	33 (20)	4'-4"	5'-0"	5'-5"	6'-0"	6'-9"	4'-4"	5'-0"	5'-5"	6'-0"	6'-9"	4'-4"	5'-0"	5'-5"	5'-11"	5'-11"
		250RHL250-43	43 (18)	5'-5"	5'-10"	6'-4"	7'-0"	7'-10"	5'-5"	5'-10"	6'-4"	7'-0"	7'-6"	5'-5"	5'-10"	6'-4"	6'-6"	6'-6"
	3-5/8	362RHL250-33	33 (20)	3'-5"	4'-1"	5'-2"	6'-6"	7'-5"	3'-5"	4'-1"	5'-2"	6'-6"	7'-5"	3'-5"	4'-1"	5'-2"	6'-6"	7'-5"
		362RHL250-43	43 (18)	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"
	4	400RHL250-33	33 (20)	3'-3"	4'-0"	4'-11"	6'-6"	7'-7"	3'-3"	4'-0"	4'-11"	6'-6"	7'-7"	3'-3"	4'-0"	4'-11"	6'-6"	7'-7"
		400RHL250-43	43 (18)	5'-1"	6'-1"	7'-0"	7'-9"	8'-10"	5'-1"	6'-1"	7'-0"	7'-9"	8'-10"	5'-1"	6'-1"	7'-0"	7'-9"	8'-10"
6	600RHL250-33	33 (20)	3'-3"	4'-0"	4'-11"	6'-6"	8'-1"	3'-3"	4'-0"	4'-11"	6'-6"	8'-1"	3'-3"	4'-0"	4'-11"	6'-6"	8'-1"	
	600RHL250-43	43 (18)	5'-3"	6'-3"	7'-4"	8'-2"	9'-6"	5'-3"	6'-3"	7'-4"	8'-2"	9'-6"	5'-3"	6'-3"	7'-4"	8'-2"	9'-6"	
14	2-1/2	250RHL250-33	33 (20)	3'-9"	4'-4"	5'-0"	5'-5"	6'-0"	3'-9"	4'-4"	5'-0"	5'-5"	6'-0"	3'-9"	4'-4"	5'-0"	5'-5"	5'-9"
		250RHL250-43	43 (18)	5'-1"	5'-5"	5'-10"	6'-4"	7'-0"	5'-1"	5'-5"	5'-10"	6'-4"	7'-0"	5'-1"	5'-5"	5'-10"	6'-4"	6'-5"
	3-5/8	362RHL250-33	33 (20)	-	3'-5"	4'-1"	5'-2"	6'-6"	-	3'-5"	4'-1"	5'-2"	6'-6"	-	3'-5"	4'-1"	5'-2"	6'-6"
		362RHL250-43	43 (18)	5'-5"	5'-10"	6'-3"	6'-10"	7'-8"	5'-5"	5'-10"	6'-3"	6'-10"	7'-8"	5'-5"	5'-10"	6'-3"	6'-10"	7'-8"
	4	400RHL250-33	33 (20)	-	3'-3"	4'-0"	4'-11"	6'-6"	-	3'-3"	4'-0"	4'-11"	6'-6"	-	3'-3"	4'-0"	4'-11"	6'-6"
		400RHL250-43	43 (18)	4'-4"	5'-1"	6'-1"	7'-0"	7'-9"	4'-4"	5'-1"	6'-1"	7'-0"	7'-9"	4'-4"	5'-1"	6'-1"	7'-0"	7'-9"
6	600RHL250-33	33 (20)	-	3'-3"	4'-0"	4'-11"	6'-6"	-	3'-3"	4'-0"	4'-11"	6'-6"	-	3'-3"	4'-0"	4'-11"	6'-6"	
	600RHL250-43	43 (18)	4'-6"	5'-3"	6'-3"	7'-4"	8'-2"	4'-6"	5'-3"	6'-3"	7'-4"	8'-2"	4'-6"	5'-3"	6'-3"	7'-4"	8'-2"	
15	2-1/2	250RHL250-33	33 (20)	3'-3"	3'-9"	4'-4"	5'-0"	5'-5"	3'-3"	3'-9"	4'-4"	5'-0"	5'-5"	3'-3"	3'-9"	4'-4"	5'-0"	5'-5"
		250RHL250-43	43 (18)	4'-10"	5'-1"	5'-5"	5'-10"	6'-4"	4'-10"	5'-1"	5'-5"	5'-10"	6'-4"	4'-10"	5'-1"	5'-5"	5'-10"	6'-3"
	3-5/8	362RHL250-33	33 (20)	-	-	3'-5"	4'-1"	5'-2"	-	-	3'-5"	4'-1"	5'-2"	-	-	3'-5"	4'-1"	5'-2"
		362RHL250-43	43 (18)	4'-9"	5'-5"	5'-10"	6'-3"	6'-10"	4'-9"	5'-5"	5'-10"	6'-3"	6'-10"	4'-9"	5'-5"	5'-10"	6'-3"	6'-10"
	4	400RHL250-33	33 (20)	-	-	3'-3"	4'-0"	4'-11"	-	-	3'-3"	4'-0"	4'-11"	-	-	3'-3"	4'-0"	4'-11"
		400RHL250-43	43 (18)	3'-10"	4'-4"	5'-1"	6'-1"	7'-0"	3'-10"	4'-4"	5'-1"	6'-1"	7'-0"	3'-10"	4'-4"	5'-1"	6'-1"	7'-0"
6	600RHL250-33	33 (20)	-	-	3'-3"	4'-0"	4'-11"	-	-	3'-3"	4'-0"	4'-11"	-	-	3'-3"	4'-0"	4'-11"	
	600RHL250-43	43 (18)	4'-0"	4'-6"	5'-3"	6'-3"	7'-4"	4'-0"	4'-6"	5'-3"	6'-3"	7'-4"	4'-0"	4'-6"	5'-3"	6'-3"	7'-4"	

Notes:
 1 All headers require the attachment of the S-Series Clip at each end with headers installed open side up.
 2 Recommended S-Series Clip attachments above are based on the jamb stud thickness being equal to or greater than header thickness.
 3 Header framing was calculated with a sill height of 0" for worst case design.
 4 Section properties are based on the AISI S100-16 (2020) w/S2-20.
 5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2.
 6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary BS.
 7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.
 8 Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.
 9 For Wall Dead Load calculations, 10psf is used for interior framing.
 10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".
 11 Spans listed are based on unpunched members.
 12 Span tables are based on ASD load capacities for the S-Series clip.

RedHeader Lite Framing Details



CLARKDIETRICH ENGINEERING SERVICES:

- Engineering Services offers a complete shop drawing package using the RedHeader Lite framing system to simplify the submittal process.
- For additional information, contact ClarkDietrich Engineering Services at 877.832.3206 or contact ClarkDietrich Technical Services at support@clarkdietrich.com.

Code approvals and performance standards

ClarkDietrich products meet or exceed these applicable performance standards.

RedHeader Lite Rough Opening System Standards

AISI S100-16 (2020) w/S2-20 - North American Specification for the Design of Cold-Formed Steel Structural Members

AISI S240-20 - North American Standard for Cold-Formed Steel Structural Framing

(Compliant to ASTM C955, but IBC replaced with AISI S200 in IBC 2015, AISI S240 in IBC 2018)

Section A3 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)

Section A4 Corrosion Protection (Referencing ASTM A653/A653M)

Section C Installation (Referencing ASTM C1007)

ClarkDietrich Structural Framing complies with:
IBC-2024 - International Building Code

LEED® Services

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ClarkDietrich is an active member of the U.S. Green Building Council and is committed to supplying quality products that are environmentally responsible. We are continually working to develop greener building products and sustainable business practices. ClarkDietrich steel framing helps contribute points toward LEED® certification. For more details contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED.

SustainabilityPro

Quickly access the product-specific information and certifications needed to calculate contributions to LEED® and other green building certification and rating systems - all in one platform. Find out more at www.clarkdietrich.com/LEED.

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F 513.870.1300

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