

HEADER TO WALL FRAMING

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

HEADER TO STUDS

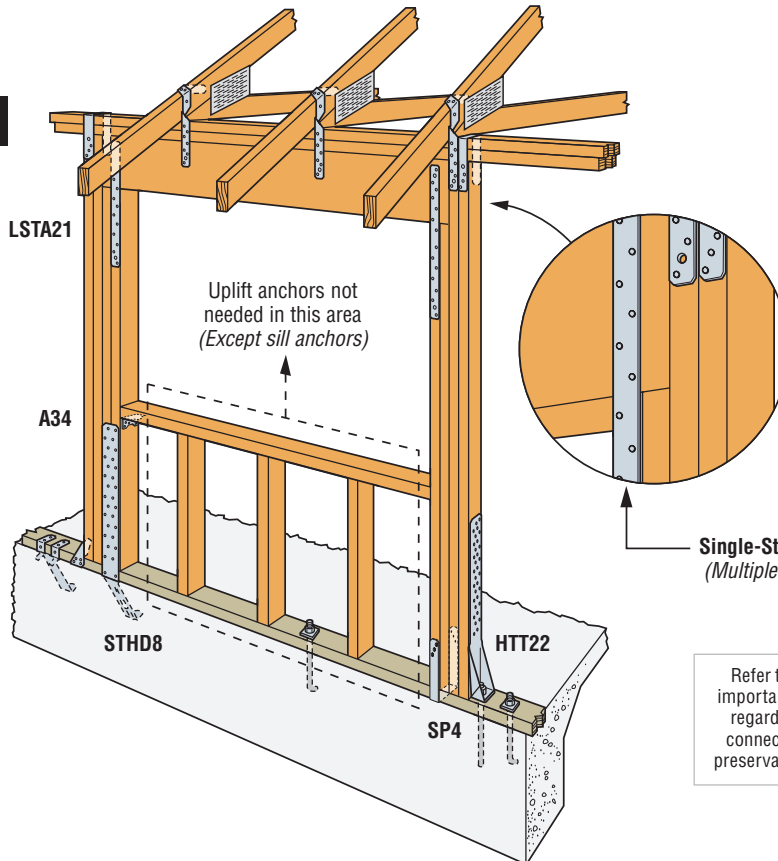
Model No.	Min. Header Height	DF/SP Allowable Loads		SPF Allowable Loads	
		Fasteners (Total)	Uplift (160)	Fasteners (Total)	Uplift (160)
HH4 ¹⁰	3.50"	13-16d	710	13-16d	610
LSTA12	7.25"	10-10d	970	10-10d	830
HH6 ¹⁰	5.50"	18-16d	1065	18-16d	915
CS16	7.25"	12-10d	1180	12-10d	1020
LSTA18	9.25"	14-10d	1235	14-10d	1165
LSTA21	11.25"	16-10d	1235	16-10d	1235
CS16	9.25"	16-10d	1575	16-10d	1360
	11.25"	18-10d	1705	20-10d	1700

STUDS TO PLATE/FOUNDATION

Model No.	Fasteners		DF/SP Allowable Loads	SPF Allowable Loads
	Stud	Plate/Foundation	Uplift (160)	Uplift (160)
DSP ⁸	8-10dx1½"	2-10dx1½"	660	545
SP4	6-10dx1½"	—	885	760
SPH4 ⁹ , SPH6 ⁹ , SPH8	10-10dx1½"	—	1240	1065
	12-10dx1½"	—	1490 ⁷	1170
H DU2-SDS2.5	6-SDS ¼"x2½"	⅝" ATR	3075	2215
STHD8	24-16d Sinkers	Embedded	3195	3195
HTT4	18-10dx1½"	⅝" ATR	3320	2855
STHD10	28-16d Sinkers	Embedded	3725	3725
HTT16	18-16dx2½"	⅝" ATR	3955	3400
HTT22	32-10d	⅝" ATR	4165	3580
HTT4	18-16dx2½"	⅝" ATR	4235	3640
HTT5	26-10dx1½"	⅝" ATR	4350	3740
HTT5	26-10d	⅝" ATR	4670	4275
HTT5	26-16dx2½"	⅝" ATR	5090	4375
H DU5-SDS2.5	14-SDS ¼"x2½"	⅝" ATR	5645	4065

1. Straps must use half the total fasteners into each member being connected to achieve the listed loads.
2. Multiple straps may be used for increased load values.
3. For a continuous load path, truss/rafter to top plate/stud/header connections must be on the same side of wall as header to stud connections.
4. ATR—All-Thread Rod or Anchor Bolt. The Designer must specify anchor type, length, and embedment. Refer to technical bulletin T-ANCHORSPEC for guidance on selected products.
5. For STHD, allowable loads are based on a minimum end distance equal to the length of embedment. For shorter end distances, refer to the current Simpson Strong-Tie® Wood Construction Connectors catalog.
6. ATR—All Thread Rod or Anchor Bolt.
7. Maximum load for SPH in Doug Fir is 1360 lbs.
8. DSP is for double-stud connections.
9. SPH4 and SPH6 can be installed over nominal ½" sheathing with a maximum DF/SP load of 1360 lbs. Order SPH4R or SPH6R.
10. Where noted, minimum supporting post thickness is 2½".

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Single-Strap Application
(Multiples may be used)

Refer to pages 8-9 for important considerations regarding coatings on connectors attached to preservative-treated wood