

Solid Sawn Header

Installation Type	FWH Hanger Widths	Min/Max	Fastener Schedule ⁴				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)					
			Header		Joist		Solid Sawn Header				Solid Sawn Header					
			Top Qty	Face Qty	Type	Qty	Type	Download ²			Uplift ¹ 160%	Download ²			Uplift ¹ 160%	
								100%	115%	125%		100%	115%	125%		
Without 5/8" gypsum wallboard or structural sheathing	1-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	1955	2035	2035	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	1955	2040	2095	300	
	1-13/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2170	2220	2220	295	
	2-1/8	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380				295	
	2-3/8 to 2-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2015	2015	2015	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2210	2210	2210	295	
	3-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2005	2005	2005	135	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2200	2200	2200	295	
	After (1) layer of 5/8" gypsum wallboard is installed	1-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	1955	2035	2035	140
			Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	1955	2040	2095	300
1-13/16		Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2170	2220	2220	295	
2-1/8		Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380				295	
2-3/8 to 2-9/16		Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2015	2015	2015	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2210	2210	2210	295	
3-9/16		Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2005	2005	2005	135	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2200	2200	2200	295	
After (2) layers of 5/8" gypsum wallboard are installed		1-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	1955	2035	2035	140
			Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	1955	2040	2095	300
	1-13/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2170	2220	2220	295	
	2-1/8	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380				295	
	2-3/8 to 2-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2015	2015	2015	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2210	2210	2210	295	
	3-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2005	2005	2005	135	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2200	2200	2200	295	
	Two-sided after (2) layers of 5/8" gypsum wallboard are installed (min. 2x6 wall)	1-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	1955	2035	2035	140
			Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	1955	2040	2095	300
1-13/16		Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2170	2220	2220	295	
2-1/8		Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380				295	
2-3/8 to 2-9/16		Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2015	2015	2015	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2210	2210	2210	295	
3-9/16		Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2005	2005	2005	135	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2200	2200	2200	295	
After (1) layer of structural sheathing & (1) layer of 5/8" gypsum wallboard is installed		1-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	1955	2035	2035	140
			Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	1955	2040	2095	300
	1-13/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2170	2220	2220	295	
	2-1/8	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2020	2020	2020	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380				295	
	2-3/8 to 2-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2015	2015	2015	140	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2210	2210	2210	295	
	3-9/16	Min	6	--	10d	6	10d x 1-1/2	2405	2405	2405	180	2005	2005	2005	135	
		Max	6	2	10d	6	10d x 1-1/2	2625	2625	2625	380	2200	2200	2200	295	

1) Uplift Loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
 2) Allowable downloads require at least one 2x stud at each hanger location and 4 face nails into 2-ply top plate.
 3) Web stiffeners are required on I-Joist applications. Install per I-Joist manufacturer specifications.
 4) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.