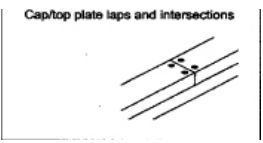

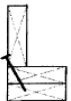

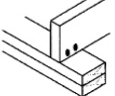


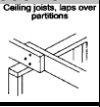
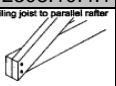
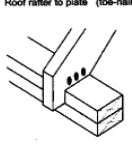
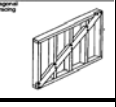
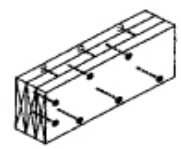


2009 International Building Code Table 2304.9.1 Fastening Schedule

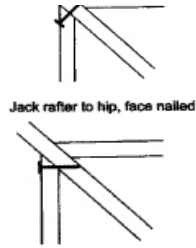
		TrueSpec		NUMBER (count)	FASTENING a,m	Location
CONNECTION		Brite-Hot Galv				
1. Joist to sill or girder <small>Joist to sill or girder (toe-nailed)</small>		3	E	3x	2 1/2" x 0.131	Toenail
		3	F3	3x	3" x 0.131 nails	
				3x	3" 14 gage staples	
2. Bridging to joist <small>Bridging to joist (listed number of fasteners at each end)</small>		3	E	2x	2 1/2" x 0.131	Toenail each end
		3	F3	2x	3" x 0.131 nails	
				2x	3" 14 gage staples	
3. 1" x 6" subfloor to each joist		3	E	2x	2 1/2" x 0.131	Face nail
4. Wider than 1" x 6" subfloor to each joint		3	E	3x	2 1/2" x 0.131	Face nail
5. 2" subfloor to joist or girder		6	K	2x	3 1/2" x 0.162	Blind and face nailed
6. Sole plate to joist or blocking <small>Sole plate to joist or blocking</small>		5	K	16" o.c	3 1/2" x 0.135	Typical face nail
		3	F3	8" o.c	3" x 0.131 nails	
				8" o.c	3" 14 gage staples	
		Sole plate to joist or blocking	5	K	3x	3 1/2" x 0.135
at braced wall panel		3	F3	4x	3" x 0.131 nails	
				4x	3" 14 gage staples	
7. Top plate to stud <small>Top or sole plate to stud (face nail)</small>		6	K	2x	3 1/2" x 0.162	End nail
		3	F3	3x	3" x 0.131 nails	
				3x	3" 14 gage staples	
8. Stud to sole plate <small>Stud to top or sole plate (toe nail)</small>		3	E	4x	2 1/2" x 0.131	Toenail
		3	F3	4x	3" x 0.131 nails	
				3x	3" 14 gage staples	
		6	K	2x	3 1/2" x 0.162	End nail
		3	F3	3x	3" x 0.131 nails	
				3x	3" 14 gage staples	
9. Double studs <small>Double studs</small>		5	K	24" o.c	3 1/2" x 0.135	Face nail
		3	F3	8" o.c	3" x 0.131 nails	
				8" o.c	3" 14 gage staples	
10. Double top plates		5	K	16" o.c	3 1/2" x 0.135	Typical face nail
		3	F3	12" o.c	3" x 0.131 nails	

 <p>Cap/top plate laps and intersections</p>		12" o.c	3" 14 gage staples	Lap splice
	6 K	8x	3 1/2" x 0.162	
	3 F3	12x	3" x 0.131 nails	
<p>11. Blocking between joist or rafters to top plate</p>  <p>Blocking between joist or rafter to top plate (toe-nailed)</p>		12	3" 14 gage staples	Toenail
	3 E	3	2 1/2" x 0.131	
	3 F3	3	3" x 0.131 nails	
<p>12. Rim joist to top plate</p>  <p>Rim joist to top plate (toe-nailed)</p>		3	3" 14 gage staples	Toenail
	3 E	6" o.c	2 1/2" x 0.131	
	3 F3	6" o.c	3" x 0.131 nails	
<p>13. Top plates, laps and intersections</p>  <p>Cap/top plate laps and intersections</p>		6" o.c	3" 14 gage staples	Face nail
	6 K	2	3 1/2" x 0.162	
	3 F3	3	3" x 0.131 nails	
<p>14. Continuous header, two pieces</p>		3	3" 14 gage staples	Toenail
	6 K	16" o.c	3 1/2" x 0.162	
	3 F3	5	3" x 0.131 nails	
<p>15. Ceiling joists to plate</p>  <p>Ceiling joist to plate</p>		5	3" 14 gage staples	Toenail
	3 E	3	2 1/2" x 0.131	
	3 F3	5	3" x 0.131 nails	
<p>16. Continuous header to stud</p>		4	2 1/2" x 0.131	Toenail
	3 E	4	2 1/2" x 0.131	

2009 International Building Code Table 2304.9.1 Fastening Schedule

**TrueSpec**

CONNECTION	Brite-Hot Galv	NUMBER (count)	FASTENING a,m	Location	
17. Ceiling joists, laps over partitions	6 K	3x	3 1/2" x 0.162	Face nail	
See Section 2308.10.4.1, Table 2308.10.4.1			minimum, Table 2308.10.4.1		
	3 F3	4x	3" x 0.131 nails	Face nail	
		4x	3" 14 gage staples		
18. Ceiling joists to parallel rafters	6 K	3x	3 1/2" x 0.162	Face nail	
See Section 2308.10.4.1, Table 2308.10.4.1			minimum, Table 2308.10.4.1		
	3 F3	4x	3" x 0.131 nails	Face nail	
		4x	3" 14 gage staples		
19. Rafter to plate		3 E	3x	2 1/2" x 0.131	Toenail
		3 F3	3x	3" x 0.131 nails	
			3x	3" 14 gage staples	
20. 1" daigonal brace to each stud and plate		3 E	2x	2 1/2" x 0.131	Face nail
		3 F3	2x	3" x 0.131 nails	
			3x	3" 14 gage staples	
21. 1" x 8" sheathing to each bearing	3 E	3x	2 1/2" x 0.131	Face nail	
22. Wider than 1" x 8" sheathing to each bearing	3 E	3x	2 1/2" x 0.131	Face nail	
23. Built-up corner studs	6 K	24" o.c	3 1/2" x 0.162		
	3 F3	16" o.c	3" x 0.131 nails		
		16" o.c	3" 14 gage staples		
24. Built-up girder and beams			32" o.c	20d common (4" x 0.192)	Face nail at top and bottom
		3 F3	24" o.c	3" x 0.131 nails	staggered on opposite sides
			24" o.c	3" 14 gage staples	
			2x	4" x 0.192	Face Nail at ends and at
		3 F3	3x	3" x 0.131 nails	each splice
			3x	3" 14 gage staples	
25. 2" planks	6 K		3 1/2" x 0.162	at each bearing	
26. Collar to rafter		4 F4	3x	3" x 0.148	Face Nail
		3 F3	4x	3" x 0.131 nails	
			4x	3" 14 gage staples	
27. Jack rafter to hip		4 F4	3x	3" x 0.148	Toenail



3	F3	4x	3" x 0.131 nails
		4x	3" 14 gage staples
6	K	2x	16d common (3 1/2" x 0.162)
3	F3	3x	3" x 0.131 nails
		3x	3" 14 gage staples

Face nail

28. Roof rafter to 2-by ridge beam

Roof rafter to 2-by ridge beam, face nailed

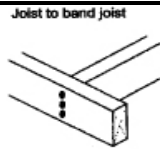


(Only the attachment of the top rafter is illustrated.)

6	K	2x	3 1/2" x 0.162
3	F3	3x	3" x 0.131 nails
		3x	3" 14 gage staples
6	K	2x	3 1/2" x 0.162
3	F3	3x	3" x 0.131 nails
		3x	3" 14 gage staples

Toenail  
Face nail

29. Joist to band joist



6	K	3x	3 1/2" x 0.162
3	F3	4x	3" x 0.131 nails
		4x	3" 14 gage staples

Face nail

2009 International Building Code Table 2304.9.1 Fastening Schedule

		TrueSpec			
CONNECTION		Brite-Hot Galv	NUMBER (count)	FASTENING a,m	Location
30. Ledger strip		6 K	3	3 1/2" x 0.162	Face nail
		3 F3	4	3" x 0.131 nails	
			4	3" 14 gage staples	
31. Wood structural panels and particleboard b Subfloor, roof and wall sheathing (to Framing)					
1/2" and less		1r D		2 3/8" x 0.113 nail	Roof - minimum is 8d 0.113 nails
		1 D		2 3/8" x 0.113 nail n	Roof - 4" o.c at edges, 8" oc at intermediate
				1 3/4" 16 gage o	Floors & walls - 4" o.c at edges, 8" o.c at intermediate Roof - 3" o.c at edge and 6" o.c at intermediate
19/32 to 3/4"		3 E		2 1/2" x 0.131	2 1/2" x 0.131
		1r		2 3/8" x 0.113 nail	Deformed shank (2" x 0.113)
		1 D		2 3/8" x 0.113 nail p	Spaced 4" o.c at edges, 8" at intermediate
				2" 16 gage p	Spaced 4" o.c at edges, 8" at intermediate
7/8" to 1"		3 E		2 1/2" x 0.131	Common or Deformed 2 1/2" x 0.131
1 1/8" to 1 1/4"		4 F4		3" x 0.148	Common 10d (3" x 0.148)
		3r		2 1/2" x 0.131	Deformed 8d (2 1/2" x 0.131)
Single floor (combination subfloor-underlayment to framing)					
3/4" and less		1r		2 3/8" x 0.113 nail	Deformed shank (2" x 0.113)
7/8" to 1"		3r		2 1/2" x 0.131	Deformed 8d (2 1/2" x 0.131)
1 1/8" to 1 1/4"		4 F4		3" x 0.148	Common 10d (3" x 0.148)
		3r		2 1/2" x 0.131	Deformed 8d (2 1/2" x 0.131)
32. Panel Siding ( to framing)					
1/2" or less				6d f (1 7/8" x 0.106)	Corrosion protection required
5/8"		E		2 1/2" x 0.131	Corrosion protection required
33. Fiberboard sheathing g					
1/2"		1		No. 11 gage 1 1/2 roofing nail h	Corrosion protection required - 7/16 head
				2 3/8" x 0.113 nail	
3/4" to 25/32"		3		No. 16 gage staple l (1 1/4")	Corrosion protection required - 7/16 to 1" crown
				No. 11 gage 1 3/4 roofing nail h	Corrosion protection required - 7/16 head
				2 1/2" x 0.131	
				No. 16 gage staple l (1 1/2")	Corrosion protection required - 7/16 to 1" crown
35. Interior paneling					
1/4"				4d j 1 1/2" (casing 0.080" or finish 0.072")	Spaced 6" o.c at edges, 12" o.c at intermediate
3/8"				6d k (casing 0.080" or finish 0.072")	Spaced 6" o.c at edges, 12" o.c at intermediate

For SI: 1" = 25.5 mm

- a. Common or box nails are permitted to be used except where otherwise stated
- b. Nail spaced at 6 inches on center at edges, 12 inches at intermediate supports except 6 inches at supports where spans are 48 inches or more. For nailing of wood structural panel and particle board diaphragms and shear walls, refer to section 2305. Nails for walls are permitted to be common, box, or casing.
- c. Common or deformed shank (6d-2" x .0113", 8d - 2 1/2" x 0.131, 10d - 3" x 0.148")
- d. Common (6d - 2" x 0.113", 8d - 2 1/2" x 0.131, 10d - 3 x 0.148")
- e. Deformed shank (6d - 2" x 0.113", 8d - 2 1/2" x 0.131, 10d - 3 x 0.148")
- f. Corrosion-resistant siding (6d - 1 7/8" x 0.106, 8d - 2 3/8" x 0.128) or casing (6d - 2" x 0.099", 8d - 2 1/2" x 0.113") nail
- g. Fasteners spaced 3 inches on center at exterior edges and 6 inches on center at intermediate supports, when used as structural sheathing. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for non structural applications
- h. Corrosion resistant roofing nails with a 7/16" head and a 1 1/2" length for 1/2" sheathing and 1 3/4 inch length for 25/32 in sheathing
- i. Corrosion resistant staples with nominal 7/16 inch crown or 1" crown and 1 1/4 inch length for 1/2" sheathing and 1 1/2 inch length for 25/32 inch sheathing.
- Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked)
- j. Casing (1 1/2" x 0.080") or finish (1 1/2" x 0.072) nails spaced 6 inches on the panel edges, 12 inches at intermediate supports
- k. Panel supports at 24 inches. Casing or finish nails spaced 6 inches on panel edges, 12 inches at intermediate supports.
- l. For roof sheathing applications, 8d nails (2 1/2" x 0.113") are the minimum required for wood structural panels
- m. Staples shall have a minimum crown width of 7/16 inch
- n. Roof sheathing applications, fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports
- o. Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports for subfloor and wall sheathing and 3 inches on center at edges, 6 inches at intermediate supports for roofing
- p. Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports