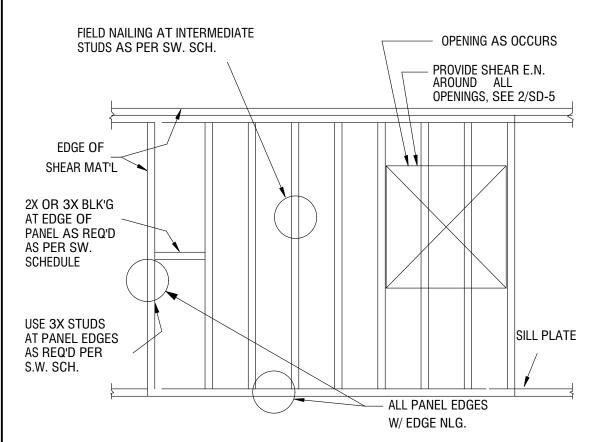


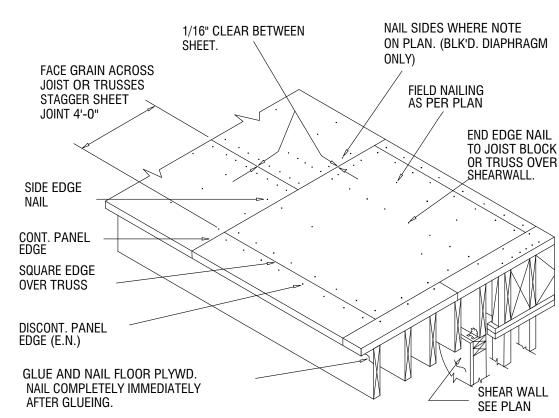
NOTE: IN BEARING WALLS, NOTCHES ARE NOT PERMITTED WITHOUT PRIOR

NOTCH OR BORE @ TOP PLATE

NOTE: WHERE PENETRATION ON ONE SIDE OF PLATES, USE RPS18 OR RPS22

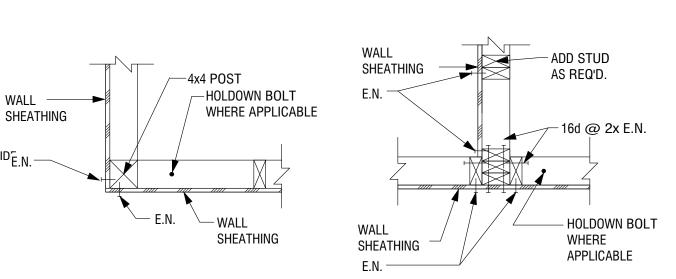


TYPICAL SHEARWALL PANEL DETAIL NOT TO SCALE



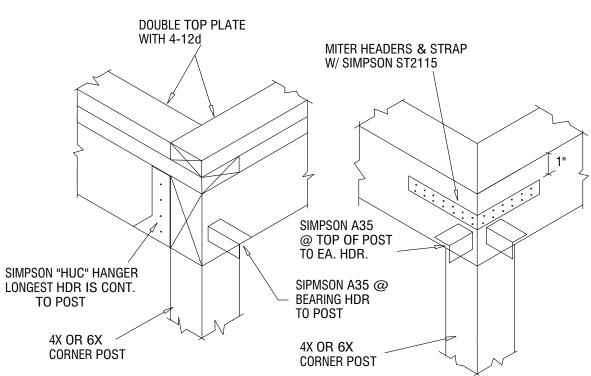
TYP. ROOF/FLOOR NAILING DETAIL

TYP. FOR BLOCKED AND UNBLOCKED DIAPHRAGM

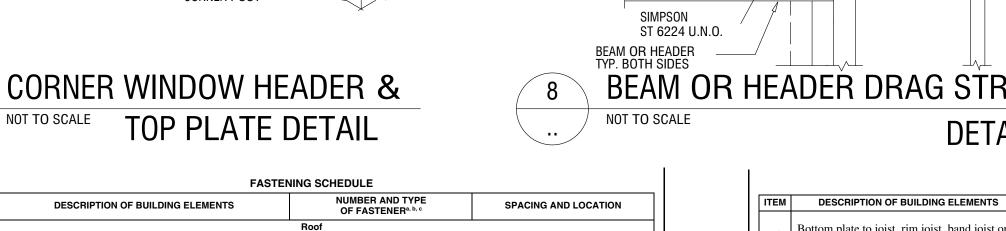


WALL INTERSECTION CORNER / 4x4 POST

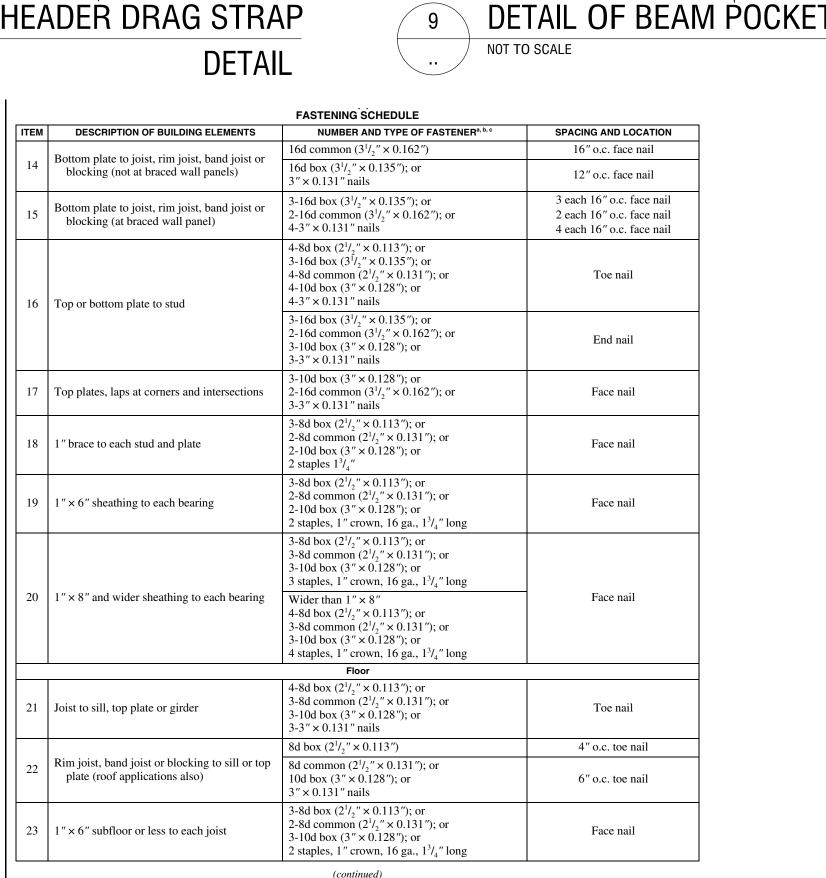
TYPICAL SHEAR WALL INTERSECTIONS



TOP PLATE DETAIL



FASTENING SCHEDULE NUMBER AND TYPE CRACING AND LOCATION							
TEM	DESCRIPTION OF BUILDING ELEMENTS	OF FASTENER ^{a, b, c}	SPACING AND LOCATION				
		Roof					
1	Blocking between ceiling joists or rafters to top plate	4-8d box $(2^{1}/_{2}" \times 0.113")$ or 3-8d common $(2^{1}/_{2}" \times 0.131")$; or 3-10d box $(3" \times 0.128")$; or 3-3" $\times 0.131"$ nails	Toe nail				
2	Ceiling joists to top plate	4-8d box $(2^1/_2" \times 0.113")$; or 3-8d common $(2^1/_2" \times 0.131")$; or 3-10d box $(3" \times 0.128")$; or 3-3" $\times 0.131"$ nails	Per joist, toe nail				
3	Ceiling joist not attached to parallel rafter, laps over partitions [see Sections R802.3.1, R802.3.2 and Table R802.5.1(9)]	4-10d box $(3" \times 0.128")$; or 3-16d common $(3^1/_2" \times 0.162")$; or 4-3" \times 0.131" nails	Face nail				
4	Ceiling joist attached to parallel rafter (heel joint) [see Sections R802.3.1 and R802.3.2 and Table R802.5.1(9)]	Table R802.5.1(9)	Face nail				
5	Collar tie to rafter, face nail or $1^1/_4$ " × 20 ga. ridge strap to rafter	4-10d box (3" × 0.128"); or 3-10d common (3" × 0.148"); or 4-3" × 0.131" nails	Face nail each rafter				
6	Rafter or roof truss to plate	3-16d box nails (3 ¹ / ₂ " × 0.135"); or 3-10d common nails (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails	2 toe nails on one side and 1 toe nai on opposite side of each rafter or truss ⁱ				
7	Roof rafters to ridge, valley or hip rafters or roof rafter	4-16d $(3^1/_2" \times 0.135")$; or 3-10d common $(3^1/_2" \times 0.148")$; or 4-10d box $(3" \times 0.128")$; or 4-3" $\times 0.131"$ nails	Toe nail				
	to minimum 2" ridge beam	3-16d box $3^1/_2$ " × 0.135"); or 2-16d common ($3^1/_2$ " × 0.162"); or 3-10d box (3 " × 0.128"); or 3-3" × 0.131" nails	End nail				
		Wall					
		16d common $(3^1/_2" \times 0.162")$	24" o.c. face nail				
8	Stud to stud (not at braced wall panels)	10d box $(3" \times 0.128")$; or $3" \times 0.131"$ nails	16" o.c. face nail				
9	Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d box $(3^1/_2" \times 0.135")$; or $3" \times 0.131"$ nails	12" o.c. face nail				
		16d common $(3^{1}/_{2}" \times 0.162")$	16" o.c. face nail				
10	Built-up header (2" to 2" header with 1/2" spacer)	16d common $(3^1/_2" \times 0.162")$	16" o.c. each edge face nail				
		$16d \text{ box } (3^1/2'' \times 0.135'')$	12" o.c. each edge face nail				
11	Continuous header to stud	5-8d box (2 ¹ / ₂ " × 0.113"); or 4-8d common (2 ¹ / ₂ " × 0.131"); or 4-10d box (3" × 0.128")	Toe nail				
		16d common $(3^1/_2" \times 0.162")$	16" o.c. face nail				
12	Top plate to top plate	10d box (3" × 0.128"); or 3" × 0.131" nails	12" o.c. face nail				
13	Double top plate splice for SDCs A-D ₂ with seismic braced wall line spacing $< 25'$	8-16d common (3 ¹ / ₂ " × 0.162"); or 12-16d box (3 ¹ / ₂ " × 0.135"); or 12-10d box (3" × 0.128"); or 12-3" × 0.131" nails	Face nail on each side of end joint (minimum 24" lap splice length				
	Double top plate splice SDCs D_0 , D_1 , or D_2 ; and braced	$12-16d (3^{1}/_{2}" \times 0.135")$	each side of end joint)				



2x SOLID BLOCKING

16 GA. x 1 1/4"

GALV. STEEL STRAP

OVER PLYWD. @ EA.

CORNER OF OPENING

NAIL W/ 8d @ 4"

EDGE NAIL TO JOIST

Ç OF STRAP @ BEAM END.

SIMPSON ST6224 U.N.O.

SIMPSON ST6224 U.N.O. (ALTERNATE LOCATION

@ TOP OF PLATES)

Ç STRAP OVER DBL P

BEAM POCKETS INTO

WALL @ END.

4-16d @ EA. SIDE

THRU 2X4 K STUD INTO BEAM

4X MIN. POST w/ 2x KING

STUD SCABBED TO EA. SIDE

OF POST w/ 16d @ 12 O.C.

@ OPENING

OPEN

THIS DETAIL TYP. FOR STAIRWAY AND SKYLIGHT OPENINGS

COLLECTOR BEAM

OPENING IN DIAPHRAGM

- COLLECTOR RAFTER

COF STRAP

NOT TO SCALE

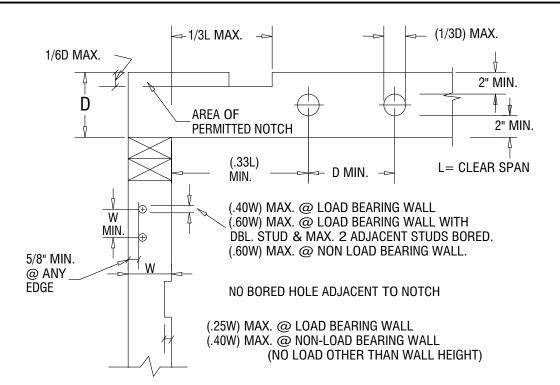
-1111

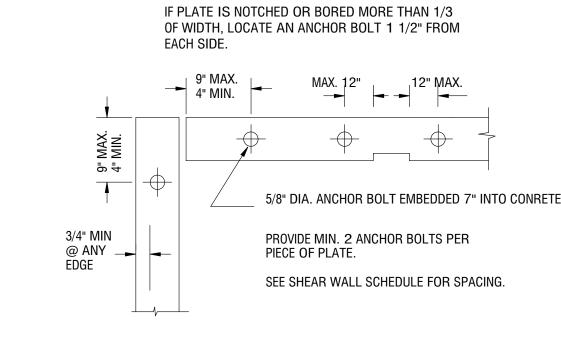
NAIL STRAP @ BOT. OF BEAM AND TOP OF TOP

PLATES (ALL HOLES)

STRAP PER PLAN

@ EXTERIOR SIDE





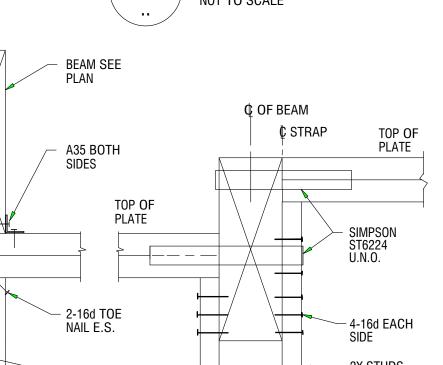
SILL PLATE DETAILS

NOTCH & BORE LIMITS @ STUDS & JOISTS NOT TO SCALE

TOP OF

PLATE

C OF BM & STRAP



BEAM TO POST BEAM w/ STEP @ PLATE DETAIL OF BEAM TO POST W/ PLATE NOT TO SCALE

POST OR

DBL. STUD

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b, c}	SPACING AN	D LOCATION
		Floor		
24	2" subfloor to joist or girder	3-16d box $(3^{1}/_{2}" \times 0.135")$; or 2-16d common $(3^{1}/_{2}" \times 0.162")$	Blind and face nail	
25	2" planks (plank & beam—floor & roof)	3-16d box $(3^1/_2" \times 0.135")$; or 2-16d common $(3^1/_2" \times 0.162")$	At each bearing, face nail	
26	Band or rim joist to joist	3-16d common (3 ¹ / ₂ " × 0.162") 4-10 box (3" × 0.128"), or 4-3" × 0.131" nails; or 4-3" × 14 ga. staples, ⁷ / ₁₆ " crown	End nail	
	Built-up girders and beams, 2-inch lumber layers	20d common (4" \times 0.192"); or	Nail each layer as follows: 32" o.c. at top and bottom and staggered.	
27		10d box (3" × 0.128"); or 3" × 0.131" nails	24" o.c. face nail at top and bottom staggered on opposite sides	
		And: 2-20d common (4" × 0.192"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	Face nail at ends and at each splice	
28	Ledger strip supporting joists or rafters	4-16d box $(3^{1}/_{2}" \times 0.135")$; or 3-16d common $(3^{1}/_{2}" \times 0.162")$; or 4-10d box $(3" \times 0.128")$; or 4-3" $\times 0.131"$ nails	At each joist or rafter, face nail	
29	Bridging to joist	2-10d (3" × 0.128")	Each end, toe nail	
	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b, c}	SPACING OF	FASTENERS
ITEM			Edges (inches) ^h	Intermediate supports ^{c, e} (inches)
		d interior wall sheathing to framing and particleboard wood structural panel <i>exterior</i> wall sheathing to wall fi		ing
30	³ / ₈ " - ¹ / ₂ "	6d common $(2" \times 0.113")$ nail (subfloor, wall) ⁱ 8d common $(2^1/_2" \times 0.131")$ nail (roof)	6	12 ^f
31	¹⁹ / ₃₂ " – 1"	8d common nail $(2^{1}/_{2}" \times 0.131")$	6	12 ^f
32	11/8"-11/4"	10d common (3" × 0.148") nail; or 8d ($2^{1}/_{2}$ " × 0.131") deformed nail	6	12
		Other wall sheathing ^g	1	1
33	¹ / ₂ " structural cellulosic fiberboard sheathing	1 ¹ / ₂ " galvanized roofing nail, ⁷ / ₁₆ " head diameter, or 1" crown staple 16 ga., 1 ¹ / ₄ " long	3	6
34	²⁵ / ₃₂ " structural cellulosic fiberboard sheathing	1 ³ / ₄ " galvanized roofing nail, ⁷ / ₁₆ " head diameter, or 1" crown staple 16 ga., 1 ¹ / ₄ " long	3	6
35	¹ / ₂ " gypsum sheathing ^d	1 ¹ / ₂ " galvanized roofing nail; staple galvanized, 1 ¹ / ₂ " long; 1 ¹ / ₄ " screws, Type W or S	7	7
36	⁵ / ₈ " gypsum sheathing ^d	1 ³ / ₄ " galvanized roofing nail; staple galvanized, 1 ⁵ / ₈ " long; 1 ⁵ / ₈ " screws, Type W or S	7	7
	Wood structural	panels, combination subfloor underlayment to framing	I	
		6d deformed $(2'' \times 0.120'')$ nail; or	6	12
37	³ / ₄ " and less	8d common $(2^{1}/_{2}" \times 0.131")$ nail	0	
37	$^{3}/_{4}$ " and less $^{7}/_{8}$ " – 1"		6	12

WALL CONSTRUCTION

FASTENING SCHEDULE

a. Nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.

b. Staples are 16 gage wire and have a minimum ⁷/₁₆-inch on diameter crown width. c. Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.

d. Four-foot by 8-foot or 4-foot by 9-foot panels shall be applied vertically.

e. Spacing of fasteners not included in this table shall be based on Table R602.3(2). f. Where the ultimate design wind speed is 130 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. Where the ultimate design wind speed is greater than 130 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.

. Gypsum sheathing shall conform to ASTM C1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C208. 1. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be

supported by framing members or solid blocking. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.

Engineer:

DB ENGINEERING 2021 The Alameda, Suite 360

San Jose, CA 95126 Phone: (408) 621-0114

db.dbengineering@gmail.com



Michael S. Radu Pacific Blue Development 35 Colleen Way Campbell, CA 95008 408-504-6826

Project:

INTERIOR REMODEL

1137 VIA JOSE SAN JOSE, CA 95120

Job Number: 21256 December 18, 2021 **Revisions:**

Sheet

sheets