

TYPICAL WALL FRAMING @ BUILDING CORNERS

SOLID 2"x BLOCKING RAFTER TO PLATE: SIMPSON H2.5A ANCHOR AT EACH RAFTER OVER SHEATHING OR UNDER SHEATHING: 600# UPLIFT PLATE TO STUD: PLATE TO STUD AT OPENINGS: SIMPSON SSP ANCHOR AT EACH SIMPSON DSP ANCHOR AT EACH RAFTER OVER SHEATHING OR UNDER RAFTER OVER SHEATHING OR UNDER SHEATHING, 4 - 10D AT STUDS & SHEATHING, 8 - 10D AT STUDS & 3 - 10D AT PLATES: 435# UPLIFT 6 - 10D AT PLATES: 825# UPLIFT **BLOCK PANEL** SEAMS W/ 2"x4" D.F. HEADER TYPICAL ON THE FLAT STUD TO STUD ALT. #2: SIMPSON FSC ANCHOR STRAP W/ 3/8" THREADED ROD, 15 - 10D AT 32" O.C., WINDOW & DOOR JAMBS IN STUD BAY: 1,830# UPLIFT — STUD TO STUD ALT. #1: SIMPSON LSTA30 STRAP W/ 10 - 10D AT EACH STUD OVER SHEATHING OR UNDER SHEATHING: 805# UPLIFT-STRAP ANCHOR AT OPENINGS: AT 3' TO 7' WIDE OPENINGS: 2 - SIMPSON LSTA30 W/ 12 - 10D EACH STRAP:1,640# UPLIFT, OR FSC OPTION. AT 7' TO 10' WIDE OPENINGS: SIMPSON MSTC40 W/ 52 - 16D: SIMPSON FSC ANCHOR STRAP W/ 3/8" 4,335# UPLIFT. THREADED ROD TO 3/8" TITEN HD ROD COUPLER SCREW, 5" EMBEDMENT, 15 - 10D AT 32" O.C., WINDOW & DOOR JAMBS IN STUD BAY: **BLOCK PANEL** 1,830# UPLIFT -SEAMS W/ 2"x4" D.F. ON THE FLAT SEE STRUCTURAL DRAWINGS FOR PLATE AND ANCHOR CONFIGURATIONS -SEE STRUCTURAL DRAWINGS FOR FOUNDATION CONFIGURATION, REINFORCEMENT, SLAB DETAILS AND HOLD - DOWN AT BRACED WALL PANELS PLATE CONFIGURATIONS. -WHERE INDICATED ON THE PLANS: SIMPSON DTT2Z W/ 8-SDS 1/4"x1-1/2" SCREWS, 3/8" THREADED ROD TO 3/8" TITEN HD ROD COUPLER SCREW, 6" EMBEDMENT: 1.830# UPLIFT OR. SIMPSON LSTHD8/LSTHD8RJ EMBEDDED IN CONCRETE W/ 20 - 16D: 2,230# UPLIFT. TYPICAL CONTINUOUS SHEATHED BRACED WALL SYSTEM

NOMINAL MATERIAL THICKNESS

19/32 and 5/8

 $^{23}/_{32}$ and $^{3}/_{4}$

OMINAL MATERIAL THICKNESS

 $^{1}/_{4}$ and $^{5}/_{16}$

 $^{11}/_{32}$, $^{3}/_{8}$, $^{15}/_{32}$, and $^{1}/_{2}$

 $^{19}/_{32}$, $^{5}/_{8}$, $^{23}/_{32}$ and $^{3}/_{4}$

1/2, 5/8



ITEM	DESCRIPTION OF BUILDING	DESCRIPTION OF FASTENER ^{b, c, e}	SPACING OF FASTENERS	
			Edges (inches) ⁱ	Intermedia supports (inches
W	Vood structural panels, subfloor, re	oof and interior wall sheathing to framing and particleboa	rd wall sheathing to	framing
30	3/8" - 1/2"	6d common $(2" \times 0.113")$ nail (subfloor wall) 8d common $(2^1/_2" \times 0.131")$ nail (roof) ^f	6	12 ^g
31	¹⁹ / ₃₂ " - 1"	8d common nail (2 ¹ / ₂ " × 0.131")	6	12 ^g
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 ^h		
33	1/2" structural cellulosic fiberboard sheathing	1 ¹ / ₂ " galvanized roofing nail, ⁷ / ₁₆ " crown 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, $7/_{16}$ " crown or 1" crown staple 16 ga., $1^1/_2$ " 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 " glavanized roofing nail; staple galvanized, 1 ⁵ / ₈ " long; 1 ⁵ / ₈ " screws, Type W or S	7	7
		Wood structural panels, combination subfloor underlaym	ent to framing	
37	3/4" and less	6d deformed (2"×0.120") nail or 8d common (2 ¹ / ₂ "×0.131") nail	6	12
38	7/8" - 1"	8d common $(2^{1}/_{2}'' \times 0.131'')$ nail or 8d deformed $(2^{1}/_{2}'' \times 0.120'')$ nail	6	12
39	11/8" - 11/4"	10d common (3"×0.148") nail or 8d deformed (2 ¹ / ₂ "×0.120") nail	6	12

- a. All nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have m 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 incl 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. For regions having basic wind speed of 110 mph or greater, 8d deformed (2½,"×0.120) nails shall be used for attaching plywood and wood structural pa sheathing to framing within minimum 48-inch distance from gable end walls, if mean roof height is more than 25 feet, up to 35 feet maximum.
- g. For regions having basic wind speed of 100 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced on center. When basic wind speed is greater than 100 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on c minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing. h. Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM (
- i. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at all floor perimet Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor ing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be st by framing members or solid blocking.
- For SI: 1 inch = 25.4 mm. a. Nail is a general description and may be T-head, modified round head or round head. b. Staples shall have a minimum crown width of 7/15-inch on diameter except as noted.

c. Nails or staples shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater. Nails or staples shall be spaced at not more d. Fasteners shall be placed in a grid pattern throughout the body of the panel. e. For 5-ply panels, intermediate nails shall be spaced not more than 12 inches on center each way. f. Hardboard underlayment shall conform to CPA/ANSI A135.4.

TABLE R602.3(2)

Wood structural panels subfloor, roof and wall sheathing to framing and particleboard wall sheathing to framing to

DESCRIPTION^{a, b} OF FASTENER AND LENGTH

Staple 15 ga. 13/2

0.097 - 0.099 Nail 21/

Staple 16 ga. 13/2

0.113 Nail 2

Staple 15 and 16 ga. 2

0.097 - 0.099 Nail 21/4

Staple 14 ga. 2

Staple 15 ga. $1^3/_4$

0.097 - 0.099 Nail 21/4

Staple 16 ga. 2

Staple 14 ga. 21/4

0.113 Nail 2¹/₄

Staple 15 ga. 21/4

0.097 - 0.099 Nail 21/2

DESCRIPTION^{a,b} OF FASTENER AND LENGTH

1¹/₄ ring or screw shank nail—minimum

 $12^{1}/_{2}$ ga. (0.099") shank diameter

Staple 18 ga., ⁷/₈, ³/₁₆ crown width

11/4 ring or screw shank nail-minimum

 $12^{1}/_{2}$ ga. (0.099") shank diameter

11/2 ring or screw shank nail-minimum

 $12^{1}/_{2}$ ga. (0.099") shank diameter

Staple 16 ga. $1^{1}/_{2}$

11/2 long ring-grooved underlayment nail

4d cement-coated sinker nail

Staple 18 ga., ⁷/₈ long (plastic coated)

4d ring-grooved underlayment nail

Staple 18 ga., $\frac{7}{8}$ long, $\frac{3}{16}$ crown

6d ring-grooved underlayment nail

Staple 16 ga., $1^{1}/_{8}$ long, $3/_{8}$ crown

6d ring-grooved underlayment nail

Staple 16 ga., 15/8 long, 3/8 crown

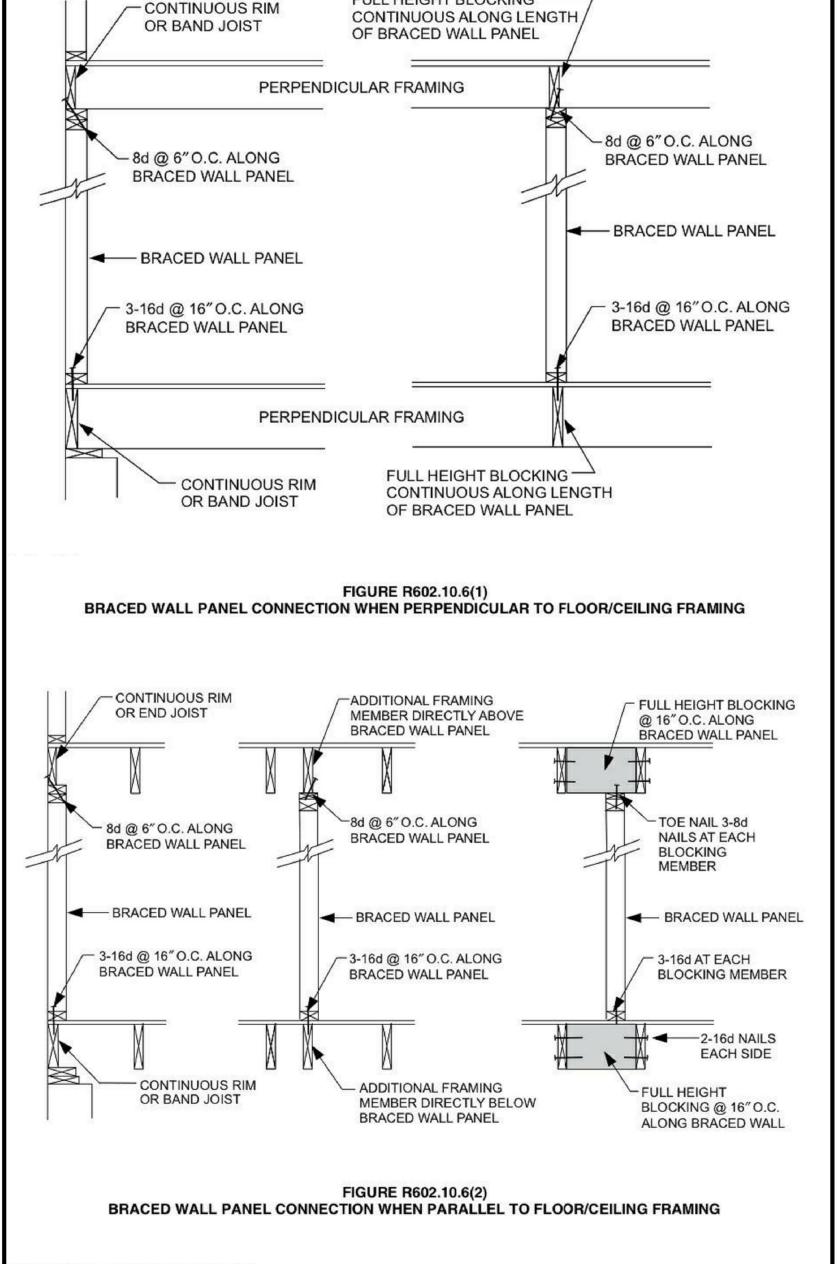
Floor underlayment; plywood-hardboard-particleboard

Hardboard^f

SPACING® OF FASTENERS

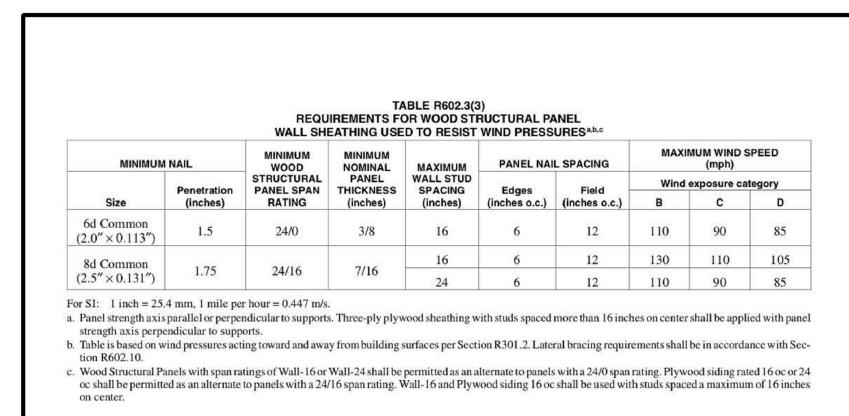
SPACING® OF FASTENERS

Body of paneld



FULL HEIGHT BLOCKING —

BRACED WALL PANEL FRAMING



BRACED WALL PANEL FASTENING SCHEDULE

S THE CONTRACTOR IS RESPON-SIBLE FOR CONFIRMING ALL DIMENSIONS IN THE FIELD, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ARCHITECT WITH ANY DISCREPANCIES FROM THE DO NOT SCALE THE DRAWINGS THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS OR SAFETY PRECAUTIONS. 860 - 536 - 5325 PETER, SPRINGSTEEL @SNET, NET P T SPRINGSTEEL 860 572 7306 ARCHITECT

NO

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E - Mail:

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DATE: 07/06/15 **REV 1: SITE PLAN UPDATE 3-14-14** REV 2: ARCH. UPDATE 4-9-1 REV 3: ARCH. UPDATE 5-19-14 REV 4: FOUNDATION C.D. 9-17-14

A-303

REV 5: BUILDING PERMIT 6-30-15

FASTENER SCHEDULE