

WOOD SHEAR WALL SCHEDULE														Bottom plate attachment (foundation)	Bottom plate attachment (floor to floor)	Bottom plate attachment (4 inch attachment depth)
Shear wall	Sheathing material	Panel thickness	Blocking	Minimum blocking in blocking bays or maximum blocking in blocking bays	Fastener type and size	Panel edge blocking spacing	Vertical and shear capacity w/c	Hold-down member capacity	Hold-down studs	Hold-down anchor type	Number of bolts (1 in 4 inch attachment depth)	Bolt spacing				
ID		(in)		(in)		(in)	(kN)	(kN)								
SW_N3A	Wood structural panels - sheathing	3/8	YES	1-3/8	8d	4	840	2	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 25 in. o/c; 30 fasteners in 2 rows.			
SW_N3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-	-	16d (d=0.248 in) nails at 24 in. o/c; 16 fasteners in 1 row.			
SW_N3C	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-	-	16d (d=0.248 in) nails at 24 in. o/c; 16 fasteners in 1 row.			
SW_N3D	Wood structural panels - sheathing	3/8	YES	1-3/8	8d	4	840	2	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 25 in. o/c; 30 fasteners in 2 rows.			
SW_N2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	4	(2)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 14 in. o/c; 48 fasteners in 2 rows.			
SW_N2B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	-	-	-	-	-	16d (d=0.248 in) nails at 13 in. o/c; 28 fasteners in 1 row.			
SW_N2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	1	(1)	Simpson HDU4-SDS2.5	-	-	16d (d=0.248 in) nails at 12 in. o/c; 39 fasteners in 2 rows.			
SW_N2D	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	4	(2)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 14 in. o/c; 62 fasteners in 2 rows.			
SW_N1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	(3)	Simpson HDU11-SDS2.5	10	36	SDWS lag screw (d=0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.			
SW_N1B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	-	-	-	11	36	16d (d=0.248 in) nails at 19 in. o/c; 39 fasteners in 2 rows.			
SW_N1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	3	(1)	Simpson HDU4-SDS2.5	11	36	wood screws 20 (d=0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.			
SW_N1D	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	(3)	Simpson HDU11-SDS2.5	10	36	SDWS lag screw (d=0.197 in) at 12 in. o/c; 60 fasteners in 2 rows.			
SW_S3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	2	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.			
SW_S3B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	2	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 19 in. o/c; 36 fasteners in 2 rows.			
SW_S2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	(2)	Simpson HDU11-SDS2.5	-	-	SDWS lag screw (d=0.197 in) at 13 in. o/c; 54 fasteners in 2 rows.			
SW_S2B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	(2)	Simpson HDU11-SDS2.5	-	-	SDWS lag screw (d=0.197 in) at 13 in. o/c; 54 fasteners in 2 rows.			
SW_S1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	10	36	SDWS lag screw (d=0.197 in) at 8 in. o/c; 76 fasteners in 2 rows.			
SW_S1B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	10	36	SDWS lag screw (d=0.197 in) at 8 in. o/c; 76 fasteners in 2 rows.			
SW_E3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	3	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 16 in. o/c; 46 fasteners in 2 rows.			
SW_E3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-	-	16d (d=0.248 in) nails at 12 in. o/c; 30 fasteners in 1 row.			
SW_E3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	6	(2)	Simpson HDU11-SDS2.5	-	-	SDWS lag screw (d=0.197 in) at 15 in. o/c; 32 fasteners in 2 rows.			
SW_S2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	(3)	Simpson HDU11-SDS2.5	-	-	SDWS lag screw (d=0.197 in) at 11 in. o/c; 44 fasteners in 2 rows.			
SW_E2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	1	(1)	Simpson HDU4-SDS2.5	-	-	16d (d=0.248 in) nails at 14 in. o/c; 51 fasteners in 2 rows.			
SW_E2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	-	-	SDWS lag screw (d=0.197 in) at 9 in. o/c; 64 fasteners in 2 rows.			
SW_E1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	13	(4)	Simpson HD19	7	36	SDWS lag screw (d=0.197 in) at 7 in. o/c; 64 fasteners in 2 rows.			
SW_E1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	11	36	16d (d=0.248 in) nails at 22 in. o/c; 12 fasteners in 1 row.			
SW_E1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	9	(3)	Simpson HD19	11	36	SDWS lag screw (d=0.197 in) at 10 in. o/c; 72 fasteners in 2 rows.			
SW_W3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	3	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 16 in. o/c; 46 fasteners in 2 rows.			
SW_W3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-	-	16d (d=0.248 in) nails at 12 in. o/c; 30 fasteners in 1 row.			
SW_W3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	6	(2)	Simpson HDU11-SDS2.5	-	-	SDWS lag screw (d=0.197 in) at 15 in. o/c; 32 fasteners in 2 rows.			
SW_W2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	(3)	Simpson HDU11-SDS2.5	-	-	SDWS lag screw (d=0.197 in) at 11 in. o/c; 44 fasteners in 2 rows.			
SW_W2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	1	(1)	Simpson HDU4-SDS2.5	-	-	16d (d=0.248 in) nails at 14 in. o/c; 51 fasteners in 2 rows.			
SW_W2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	-	-	SDWS lag screw (d=0.197 in) at 9 in. o/c; 64 fasteners in 2 rows.			
SW_W1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	13	(4)	Simpson HD19	9	30	SDWS lag screw (d=0.197 in) at 7 in. o/c; 64 fasteners in 2 rows.			
SW_W1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	11	36	16d (d=0.248 in) nails at 22 in. o/c; 12 fasteners in 1 row.			
SW_W1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	9	(3)	Simpson HD19	11	36	SDWS lag screw (d=0.197 in) at 10 in. o/c; 72 fasteners in 2 rows.			
SW_EC3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	0	-	-	-	-	16d (d=0.248 in) nails at 18 in. o/c; 42 fasteners in 2 rows.			
SW_EC3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-	-	16d (d=0.248 in) nails at 60 in. o/c; 7 fasteners in 1 row.			
SW_EC3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	3	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.			
SW_EC2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	2	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.			
SW_EC2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-	-	16d (d=0.248 in) nails at 32 in. o/c; 12 fasteners in 1 row.			
SW_EC2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	(2)	Simpson HDU11-SDS2.5	-	-	SDWS lag screw (d=0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.			
SW_EC1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	6	36	SDWS lag screw (d=0.197 in) at 9 in. o/c; 42 fasteners in 2 rows.			
SW_EC1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	11	36	16d (d=0.248 in) nails at 22 in. o/c; 17 fasteners in 1 row.			
SW_EC1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	11	36	SDWS lag screw (d=0.197 in) at 9 in. o/c; 62 fasteners in 2 rows.			
SW_WC3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	0	-	-	-	-	16d (d=0.248 in) nails at 18 in. o/c; 42 fasteners in 2 rows.			
SW_WC3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	0	560	-	-	-	-	-	16d (d=0.248 in) nails at 60 in. o/c; 7 fasteners in 1 row.			
SW_WC3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	3	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.			
SW_WC2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	2	(1)	Simpson HDU4-SDS2.5	-	-	wood screws 20 (d=0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.			
SW_WC2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	-	-	16d (d=0.248 in) nails at 32 in. o/c; 12 fasteners in 1 row.			
SW_WC2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	(2)	Simpson HDU11-SDS2.5	-	-	SDWS lag screw (d=0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.			
SW_WC1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	6	36	SDWS lag screw (d=0.197 in) at 9 in. o/c; 42 fasteners in 2 rows.			
SW_WC1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	11	36	16d (d=0.248 in) nails at 22 in. o/c; 17 fasteners in 1 row.			
SW_WC1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	(4)	Simpson HD19	11	36	SDWS lag screw (d=0.197 in) at 9 in. o/c; 62 fasteners in 2 rows.			

- FLOOR SHEATHING TO BE TONGUE AND GROOVE APA-RATED CLUED AND SCREWED TO FLOOR STRUCTURE-SIMPSON STRONG-TIE WS/NL FASTENERS AT 6" O.C. AT EDGE AND 6" O.C. AT FIELD.
- GYSUM CONCRETE TOPPING TO HAVE A MAXIMUM DENSITY OF 120 PCF
- ALL WOOD POSTS/COLUMNS SHOULD ALIGN VERTICAL THROUGH ALL FLOORS, ALL THE WAY DOWN TO THE FOUNDATION AND/OR TOP OF PRECAST
- EXTERIOR SHEATHING TO BE 1/2" APA-RATED, UNLESS OTHERWISE NOTE, ATTACH SHEATHING W/ 10D - 6" O.C. AT EDGE AND 12 O.C. AT FIELD. NAILS TO HAVE 1 1/2" MIN. EMBED.
- TRUSSES TO HAVE 2X6 STRONGBACK BRIDGING 10FT O.C. THAT RUNS THE ENTIRE LENGTH OF THE BUILDING. USE (3) 16D NAILS AT EACH VERTICAL TRUSS WEB.
- UNLESS OTHERWISE NOTED, ALL HEADERS ARE DROPPED HEADERS PLACED AT THE TOP OF THE WALL OPENING.
- UNLESS OTHERWISE NOTED, ALL VERTICAL MASONRY REINFORCING SHALL RUN THE FULL HEIGHT OF THE WALL AND BE CONTINUOUS THROUGH ALL HORIZ. BOND BEAMS.
- CORES TO BE GROUTED SOLD AT ALL MECHANICAL ANCHOR LOCATIONS.

WOOD FRAMING	
LAMINATED STRAND LUMBER (LSL)	
E = 1.55 x 10 ⁶ psi	
F _b = 2340 psi	
F _v = 410 psi	
F _u = 875 psi	
(perpendicular to grain)	
LAMINATED VENEER LUMBER (LVL)	
E = 2.0 x 10 ⁶ psi	
F _b = 2900 psi	
F _v = 285 psi	
F _u = 750 psi	
(perpendicular to grain)	
DIMENSIONAL LUMBER	
WALL STUDS: SPRUCE-PINE-FIR No. 2 or better	
WALL PLATES: SPRUCE-PINE-FIR No. 1 or better	
POSTS/COLUMNS: SPRUCE-PINE-FIR No. 2 or better	
FLOOR SHEATHING	
• CORRIDOR FLOOR SHEATHING (4X6 AT 32" O/C)	
• OSB STRUCTURAL PANEL	
• NOMINAL THICKNESS: 3/4" (BOTTOM LAYER) 19/32" (TOP LAYER)	
• SPAN RATING: 20 OC	
• BENDING F _b = 575 LB-IN/FT OF WIDTH	
• PLANAR SHARE F _t (LB/Q) = 205 LB/FT OF WIDTH	
• FLOOR SHEATHING (TRUSSES AT 24" O/C)	
• WOOD STRUCTURAL PANEL	
• SPAN RATING = 48/24	
• BENDING F _b = 1000 LB-IN/FT OF WIDTH	
• PLANAR SHARE F _t (LB/Q) = 250 LB/FT OF WIDTH	
• FLOOR SHEATHING (TRUSSES AT 12" O/C)	
• WOOD STRUCTURAL PANEL	
• SPAN RATING = 32/16	
• BENDING F _b = 445 LB-IN/FT OF WIDTH	
• PLANAR SHARE F _t (LB/Q) = 165 LB/FT OF WIDTH	
• ROOF SHEATHING (TRUSSES AT 24" O/C)	
• WOOD STRUCTURAL PANEL	
• SPAN RATING = 48/24	
• BENDING F _b = 1000 LB-IN/FT OF WIDTH	
• PLANAR SHARE F _t (LB/Q) = 250 LB/FT OF WIDTH	

WOOD FRAMING HEADER/POST SCHEDULE						REMARKS
MARK	MATERIAL	WIDTH	DEPTH	BEARING		
Facade headers (span < 3.5 feet)	LSL	3.50	7.25	"1 Jack stud(s) and 2 King studs on each side of the opening."	Applicable on any floor	
First floor facade headers (3.5 < span < 7 feet)	LSL	3.50	14	"2 Jack stud(s) and 4 King studs on each side of the opening."		
Second floor facade headers (3.5 < span < 7 feet)	LSL	5.25	9.5	"2 Jack stud(s) and 4 King studs on each side of the opening."		
Third floor facade headers (3.5 < span < 7 feet)	LSL	1.75	11.875	"2 Jack stud(s) and 2 King studs on each side of the opening."		
First floor interior headers (3.5 < span < 10 feet)	LSL	5.25	16	"2 Jack stud(s) and 4 King studs on each side of the opening."		
Second floor interior headers (3.5 < span < 10 feet)	LSL	5.25	14	"2 Jack stud(s) and 4 King studs on each side of the opening."		
Third floor interior headers (3.5 < span < 10 feet)	LSL	3.5	14	"2 Jack stud(s) and 3 King studs on each side of the opening."		
Door headers (span < 4.0 feet)	LSL	5.25	14	"1 Jack stud(s) and 3 King studs on each side of the opening."	Applicable on any floor	

FRAMING SCHEDULE				Type Comments
Count	Type Mark	Type		
13	B1	(2)SISTERED 4X6 PINE	(3) 2x6 STUD COLUMN - (JOISTS ATTACHED WITH SIMPSON CJTZ CONCEALED HANGERS--FOR FIRE PROTECTION)	
4	B2	LVL 3.5" X 14"	(AT ELEVATOR - NOTCH INTO CMU) - (3) 2X6 COLUMN)	
3	B3	LVL 3.5" X 18"	(3) 2x6 STUD COLUMN	
1	B4	LVL 5.25" X 18"	(3) 2x6 STUD COLUMN	
2	B5	W12X87	SEE PLANS FOR COLUMNS	
1	B6	W21X50	SEE PLANS FOR COLUMNS	

BEARING WALL SCHEDULE							
		Stud dimensions	Spacing (in)	Top plates	Bottom plate	Truss spacing	Remarks
		(in)	(in)			(in)	
Facade	1st floor	2x6	16	(2) 2x6	2x6	12/24	
	2nd floor	2x6	16	(2) 2x6	2x6	12/24	
	3rd floor	2x6	19.2	(2) 2x6	2x6	24	
Interior	1st floor	2x6	12	(2) 2x6	2x6	12/24	
	2nd floor	2x6	16	(2) 2x6	2x6	24	
	2nd floor	2x6	12	(2) 2x6	2x6	12	AT S2A AND S2B
	3rd floor	2x6	16	(2) 2x6	2x6	24	

MATERIALS:

- STUDS SPRUCE-PIN-FIR (STUD GRADE OR BETTER)

- PLATES SPRUCE-PIN-FIR (#2 OR BETTER)

01/24/2020