

TABLE S601.7 - UPLIFT CONNECTIONS - 160 MPH WINDS EXP "C"

NFCA 2015 TABLE 9.2

CONNECTION	FRAMING SPACING (INCHES)	ROOF SPAN (FEET)	UPLIFT	LATERAL	DIAPHRAGM	NUMBER OF 8d COMMON NAILS OR 10d BOX NAILS IN EACH END OF 1-1/4"x20 GAGE STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" OC	16	40T	2R2	152R	4
WALL ASSEMBLY TO FOUNDATION	16" OC	16	224	214	436	4

TABLE S601.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 160 MPH WIND EXP "C"

NFCA 2015 TABLE 9.2C

FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)
FOUNDATION SUPPORTING	8" END ZONES
1 - 3 STORIES	28" INCHES ON CENTER

NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

TABLE S601.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR LOADS - 160 MPH WIND EXP "C"

NFCA 2015 TABLE 9.2B

FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)
FOUNDATION SUPPORTING	5/8" Ø ANCHOR BOLTS
1 STORY	48" INCHES ON CENTER

TABLE S601.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "C"

NFCA 2015 TABLE 9.23C

HEADER SPAN (FEET)	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER
2	1
4	2
6	3
8	4

TABLE S601.11 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "C"

NFCA 2015 TABLE 9.23C

HEADER SPAN (FEET)	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER
2	1
4	2
6	3
8	4

TABLE S601.12 - WALL SHEATHING OR CLADDING REQUIREMENT - WIND LOAD EXP "C"

SHEATHING LOCATION	STUD SPACING	E	F
INTERIOR ZONE	12" OC	6	12
PERIMETER EDGE ZONE	16" OC	6	12
	24" OC	6	6

TABLE S601.13 - BUILDING NAILING SCHEDULE NFCA 2015 TABLE 9.1

DESCRIPTION	NUMBER OF COMMON NAILS	SPACING
HEADER TO HEADER (FACE NAILED)	16d	16" OC EDGES

TABLE S601.4 - BUILDING ENVELOPE REQUIREMENTS

OPAQUE ELEMENTS	ASSEMBLY	INSULATION MIN. R-VALUE
ROOFS	METAL BUILDING	R-20.0 G.I.
	METAL BUILDING	R-19
	ATTIC AND OTHER	R-30
	MAS	R-5.7 G.I.
	METAL BUILDING	R-19.0
	STEEL-FRAMED	R-13.0
	WOOD-FRAMED AND OTHER	R-19.0
	MAS	R-6.3 G.I.
FLOORS	STEEL JOIST	R-19.0
	WOOD FRAMED AND OTHER	R-19.0
SLAB-ON-GRADE	UN-HEATED	F-0.750 NR
OPAQUE DOORS	SKINNING	U-0.700 NR
	NON-SKINNING	U-1.450 NR

TABLE S601.5 - JACK STUD REQ - INT LOADBEARING WALLS

HEADER SUPPORTING	ROOF SPAN (FEET)				
	3'	4.5'	5'	6.5'	8'
ONE FLOOR ONLY (CENTER BEARING)	1	1	1	1	1
TWO FLOORS (CENTER BEARING)	1	1	1	1	1
THREE FLOORS (CENTER BEARING)	1	1	1	1	1
FOUR FLOORS (CENTER BEARING)	1	1	1	1	1
FIVE FLOORS (CENTER BEARING)	1	1	1	1	1
SIX FLOORS (CENTER BEARING)	1	1	1	1	1
SEVEN FLOORS (CENTER BEARING)	1	1	1	1	1
EIGHT FLOORS (CENTER BEARING)	1	1	1	1	1
NINE FLOORS (CENTER BEARING)	1	1	1	1	1
TEN FLOORS (CENTER BEARING)	1	1	1	1	1
ELEVEN FLOORS (CENTER BEARING)	1	1	1	1	1
TWELVE FLOORS (CENTER BEARING)	1	1	1	1	1

TABLE S601.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS

NFCA 2015 TABLE 9.22F

HEADER WIDTH - 3" (2-2X), 4.5" (3-2X), 5" (6-5" (4-2X) EACH IV 1/2" PLYWOOD SPACER BETWEEN	ROOF LIVE LOAD 30 PSF				
	3'	4.5'	5'	6.5'	8'
MITERED CORNER	1	1	1	1	1
CORNER STUD CONNECTED TO TRANSFER SHEAR	1	1	1	1	1
TWO 16d COMMON WALLS AT 6" OC VERT	2	2	2	2	2
SIDEWALL	2	2	2	2	2
COMPATIBLE WOOD SCREWS	2	2	2	2	2
7/8" Ø ANCHOR ROD/BOLT	2	2	2	2	2
SIMPSON ANCHOR	2	2	2	2	2
ENDWALL STUD	2	2	2	2	2
WOOD STUD	2	2	2	2	2
WOOD JOIST	2	2	2	2	2
WOOD FRAMED AND OTHER	2	2	2	2	2
UN-HEATED	2	2	2	2	2
SKINNING	2	2	2	2	2
NON-SKINNING	2	2	2	2	2

TABLE S601.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E	F
INTERIOR ZONE	12" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	6
	16" OC	4	4
	24" OC	3	3

TABLE S601.2 - WALL SHEATHING OR CLADDING REQUIREMENT - WIND LOAD EXP "C"

SHEATHING LOCATION	STUD SPACING	E	F
INTERIOR ZONE	12" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	6
	24" OC	6	6

TABLE S601.3 - BUILDING NAILING SCHEDULE NFCA 2015 TABLE 9.1

DESCRIPTION	NUMBER OF COMMON NAILS	SPACING
HEADER TO HEADER (FACE NAILED)	16d	16" OC EDGES

TABLE S601.4 - BUILDING ENVELOPE REQUIREMENTS

OPAQUE ELEMENTS	ASSEMBLY	INSULATION MIN. R-VALUE
ROOFS	METAL BUILDING	R-20.0 G.I.
	METAL BUILDING	R-19
	ATTIC AND OTHER	R-30
	MAS	R-5.7 G.I.
	METAL BUILDING	R-19.0
	STEEL-FRAMED	R-13.0
	WOOD-FRAMED AND OTHER	R-19.0
	MAS	R-6.3 G.I.
FLOORS	STEEL JOIST	R-19.0
	WOOD FRAMED AND OTHER	R-19.0
SLAB-ON-GRADE	UN-HEATED	F-0.750 NR
OPAQUE DOORS	SKINNING	U-0.700 NR
	NON-SKINNING	U-1.450 NR

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THREE FLOORS (CENTER BEARING)	1	1	1	1	1
FOUR FLOORS (CENTER BEARING)	1	1	1	1	1
FIVE FLOORS (CENTER BEARING)	1	1	1	1	1
SIX FLOORS (CENTER BEARING)	1	1	1	1	1
SEVEN FLOORS (CENTER BEARING)	1	1	1	1	1
EIGHT FLOORS (CENTER BEARING)	1	1	1	1	1
NINE FLOORS (CENTER BEARING)	1	1	1	1	1
TEN FLOORS (CENTER BEARING)	1	1	1	1	1
ELEVEN FLOORS (CENTER BEARING)	1	1	1	1	1
TWELVE FLOORS (CENTER BEARING)	1	1	1	1	1

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WOOD FRAMED AND OTHER	2	2	2	2	2
UN-HEATED	2	2	2	2	2
SKINNING	2	2	2	2	2
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TABLE S601.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 160 MPH WIND EXP "C"

NFCA 2015 TABLE 9.2C

FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)
FOUNDATION SUPPORTING	8" END ZONES
1 - 3 STORIES	28" INCHES ON CENTER

NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

TABLE S601.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR LOADS - 160 MPH WIND EXP "C"

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