

TABLE S601.7 - UPLIFT CONNECTIONS - 130 MPH WINDS EXP "C"
MFCM 2015 TABLE 9.2

CONNECTION	FRAMING SPACING (INCHES)	ROOF SPAN (FEET)	UPLIFT	LATERAL	SHEAR	NUMBER OF 8d COMMON NAILS OR 10d BOX COMMON NAILS IN EACH END OF 1" x 4" x 20 GAUGE STRIPS
ROOF ASSEMBLY TO WALL ASSEMBLY	16" OC	16	401	292	153R	4
WALL ASSEMBLY TO FOUNDATION	16" OC	16	224	214	496	4

TABLE S601.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 130 MPH WIND EXP "C"
MFCM 2015 TABLE 9.2C

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		8 END ZONES	INTERIOR ZONES
1 - 3 STOREYS	1 - 3 STOREYS	28 INCHES ON CENTER	30 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 - 130 MPH WIND EXP "C"
MFCM 2015 TABLE 9.2B

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		1/2" Ø ANCHOR BOLTS	5/8" Ø ANCHOR BOLTS
1 STORY	1 STORY	30 INCHES ON CENTER	48 INCHES ON CENTER

TABLE S601.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "C"
MFCM 2015 TABLE 9.2C

HEADER SPAN (FEET)	WALL SPACING (INCHES)	
	16" O.C.	24" O.C.
2	1	1
4	2	2
6	3	3
8	4	4

NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER

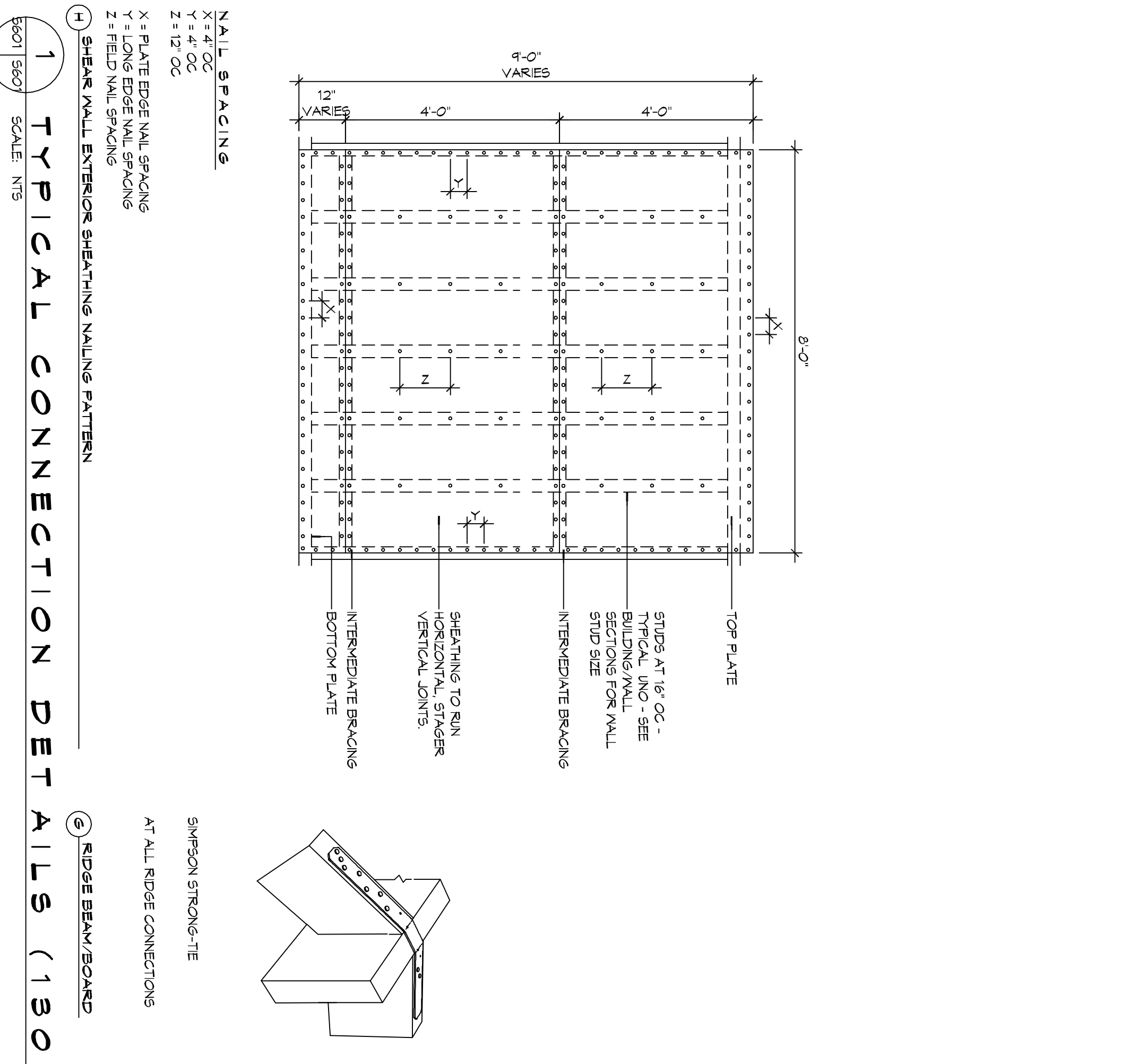


TABLE S601.5 - JACK STUD REQ - INT LOADBEARING WALLS
MFCM 2015 TABLE 9.2F

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)					
		3'	4.5'	5'	6.5'	3'	4.5'
2	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1
14	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2
2	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1
8	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2
12	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3
16	4	4	4	4	4	4	4

TABLE S601.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS
MFCM 2015 TABLE 9.2F

HEADER WIDTH - 3" (2-2X), 4.5" (3-2X), 5", 6.5" (4-2X) EACH W/ 1/2" PLYWOOD SPACER BETWEEN	ROOF SPAN (FEET)					
	3'	4.5'	5'	6.5'	3'	4.5'
2	1	1	1	1	1	1
4	1	1	1	1	1	1
6	2	2	2	2	2	2
8	2	2	2	2	2	2
10	3	3	3	3	3	3
12	3	3	3	3	3	3
14	4	4	4	4	4	4
16	4	4	4	4	4	4

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

SHEATHING LOCATION	STUD SPACING	MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
		E	F
INTERIOR ZONE	12" OC	6	12
PERIMETER EDGE ZONE	16" OC	6	6
	24" OC	6	12

TABLE S601.4 - BUILDINGS ENVELOPE REQUIREMENTS

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
HEADER TO HEADER (FACE NAIL)	16d	16d	16" OC EDGES
INSULATION ENTIRELY ABOVE DECK	U-0-048	R-20.0 C.I.	
METAL BUILDING	U-0-065	R-19	
ATTIC AND OTHER	U-0-021	R-38	
VA65	U-0-151	R-57 C.I.	
METAL BUILDING	U-0-113	R-19.0	
STEEL-FRAMED	U-0-124	R-19.0	
WOOD-FRAMED AND OTHER	U-0-084	R-19.0	
VA55	U-0-107	R-6.3 C.I.	
WOOD-FRAMED AND OTHER	U-0-052	R-19.0	
UN-HEATED	F-0-130	NR	
SWINGING	U-0-051	R-14.0	
NON-SWINGING	U-1-450	NR	

ROOF UNDERLAYMENT NOTES

- FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (12% SLOPE) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33% SLOPE), THE UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
 - APPLY A 1/8" MIN STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVE, FASTENED SUFFICIENTLY TO HOLD IN PLACE.
 - UNDERLAYMENT OVERLAPPING SUCCESSIVE SHEETS 18 INCHES AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
- FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33% SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
 - UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES PARALLEL TO AND PERPENDICULAR TO THE EAVE. END LAPS SHALL BE OFFSET BY 6 FEET.

SHINGLE APPLICATION & FASTENING NOTES

- APSHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES (AND SPEEDS 3, 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR GREATER ABOVE GRADE):
 - THE EAVE AND SPEED 3, 110 MPH OR GREATER.
 - THE EAVE AND SPEED 3, 110 MPH OR GREATER.
 - SPECIAL WIND ZONES.

GENERAL UPLIFTS CONNECTION NOTES

ROOF ASSEMBLY TO WALL ASSEMBLY:
UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD, WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE WALL PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.10.

WALL ASSEMBLY TO WALL ASSEMBLY:
WALL TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD, WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.11.

WALL ASSEMBLY TO FOUNDATION:
FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION SILL, PLATE OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" X 20 GA ASTM A563 GRADE 55 STEEL STRIP SHALL BE NAIL TO THE WALL STUDS AND HAVE A MINIMUM OF TWO UPLIFT CONNECTIONS TO THE FOUNDATION SILL. A 3/4" X 1/2" X 20 GA ASTM A563 GRADE 55 STEEL STRIP SHALL BE NAIL TO THE WALL STUDS AND BE LAPPED UNDER THE BOTTOM PLATE 3 INCH SQUARE WAGERS SHALL NOT BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRIPS EMBEDDED IN OR IN CONTACT WITH SLAB ON GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE FASTENED TO THE FOUNDATION WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.12.

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

SHEATHING LOCATION	RAFTER / TRUSS SPACING	MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
		E	F
INTERIOR ZONE	12" OC	6	12
	24" OC	6	6
PERIMETER EDGE ZONE	16" OC	6	6
	24" OC	4	4

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REVISIONS

#	DESCRIPTION	DATE

SCALE: U-1-450

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