

TABLE 5601.7 - 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 NAILS IN EACH END OF 1-1/4"X20 GAGE STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" OC	16	407	292	159K	4
WALL ASSEMBLY TO FOUNDATION	16" OC	16	224	219	496	4

TABLE 5601.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 130 MPH WIND EXP "C"
MFCM 2015 TABLE 9.2C

FOUNDATION SUPPORTING	MINIMUM ANCHOR BOLT SPACING (INCHES)	
	8 END ZONES	INTERIOR ZONES
FOUNDATION SUPPORTING	25 INCHES ON CENTER	30 INCHES ON CENTER

TABLE 5601.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR LOADS - 130 MPH WIND EXP "C"
MFCM 2015 TABLE 9.2B

FOUNDATION SUPPORTING	MINIMUM ANCHOR BOLT SPACING (INCHES)	
	1/2" Ø ANCHOR BOLTS	5/8" Ø ANCHOR BOLTS
FOUNDATION SUPPORTING	30 INCHES ON CENTER	48 INCHES ON CENTER

TABLE 5601.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "C"
MFCM 2015 TABLE 9.2A

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

TABLE 5601.5 - JACK STUD REQ. - INT LOADBEARING WALLS
MFCM 2015 TABLE 9.22F

HEADER SPAN (FT)	ROOF SPAN (FEET)				
	12 FEET	24 FEET	36 FEET	48 FEET	60 FEET
2	1	1	1	1	1
4	1	1	1	1	1
6	1	1	1	1	1
8	2	2	2	2	2
10	2	2	2	2	2
12	3	3	3	3	3
14	4	4	4	4	4
16	5	5	5	5	5

TABLE 5601.6 - JACK STUD REQ. - EXTERIOR LOADBEARING WALLS
MFCM 2015 TABLE 9.22F

HEADER WIDTH - 3" (2-2X), 4.5" (3-2X), 5" (6-5"), 6.5" (4-2X) EACH W/ 1/2" FLYWOOD SPACERS BETWEEN	ROOF LIVE LOAD 20 PSF					ROOF LIVE LOAD 30 PSF				
	3"	4.5"	5"	6.5"	7"	3"	4.5"	5"	6.5"	7"
2	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1
6	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2
10	3	3	3	3	3	3	3	3	3	3
12	4	4	4	4	4	4	4	4	4	4
14	5	5	5	5	5	5	5	5	5	5
16	6	6	6	6	6	6	6	6	6	6

TABLE 5601.2 - 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
	16" OC	6	12
	24" OC	6	6
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	6
	24" OC	6	6

TABLE 5601.3 - NAILING SCHEDULE
MFCM 2015 TABLE 9.1

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

TABLE 5601.4 - BUILDING ENVELOPE REQUIREMENTS

OPaque ELEMENTS	ASSEMBLY R-VALUE	INSULATION MIN. R-VALUE
INSULATION ENTIRELY ABOVE DECK	U-0.049	R-20.0 CI
METAL BUILDING ATTIC AND OTHER	U-0.055	R-19
MASS	U-0.021	R-30
METAL BUILDING STEEL-FRAMED	U-0.151	R-5.1 CI
WOOD-FRAMED AND OTHER	U-0.124	R-13.0
MASS	U-0.094	R-13.0
FLOORS	U-0.101	R6.9-9.1 I
WOOD-FRAMED AND OTHER	U-0.092	R-13.0
MASS	U-0.051	R-19.0
SLAB-ON-GRADE	F-0.130	NR
CONCRETE	U-0.100	NR
NON-SWIMMING	U-1.450	NR

ROOF UNDERLAYMENT NOTES

- FOR ROOF SLOPES FROM TWO INITS VERTICAL IN 12 INITS HORIZONTAL (17.5% SLOPE) UP TO FOUR INITS VERTICAL IN 12 INITS HORIZONTAL (33.3% SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
 - APPLY A 1/4 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVE, FASTENED SUFFICIENTLY TO HOLD IN PLACE UNDERLAPPING OVERLAPPING SUCCESSIVE SHEETS 1/4 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
 - FOR ROOF SLOPES OF FOUR INITS VERTICAL IN 12 INITS HORIZONTAL (33.3% SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
 - UNDERLAYMENT SHALL BE APPLIED SHINGLE PATTERN, PARALLEL TO THE EAVE, FASTENED SUFFICIENTLY TO HOLD IN PLACE AND SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.
- FOR ROOF SLOPES OF FOUR INITS VERTICAL IN 12 INITS HORIZONTAL (33.3% SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
 - UNDERLAYMENT SHALL BE APPLIED SHINGLE PATTERN, PARALLEL TO THE EAVE, FASTENED SUFFICIENTLY TO HOLD IN PLACE AND SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

SHINGLE APPLICATION & FASTENING NOTES

- ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:
 - THE BASIC WIND SPEED IS 10 MPH OR GREATER AND THE EAVE IS 20 FEET OR HIGHER ABOVE GRADE.
 - THE BASIC WIND SPEED IS 120 MPH OR GREATER.
 - SPECIAL WIND ZONES.

GENERAL UPLIFT CONNECTION NOTES

- ROOF ASSEMBLY TO WALL ASSEMBLY:**
UPLIFT CONNECTIONS SHALL BE FROM RAFTERS OR TRUSS TO WALL STUD. 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 5601.10.
- WALL ASSEMBLY TO WALL ASSEMBLY:**
STUD TO STUD UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD SHALL BE MADE WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE 5601.11.
- 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. A575 #639 G-93 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 1 INCHES IN CONCRETE FOUNDATIONS AND SLAB-ON-GRADE. 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPSED UNDER THE BOTTOM PLATE. 3 INCH SQUARE WADERS SHALL BE USED UNDER THE BOTTOM PLATE. STEEL STRAPS SHALL BE LAPSED AT THE BOTTOM OF THE WALL STUDS. STEEL STRAPS SHALL BE ATTACHED TO THE FOUNDATION SILL PLATE OR BOTTOM PLATE WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE 5601.12.

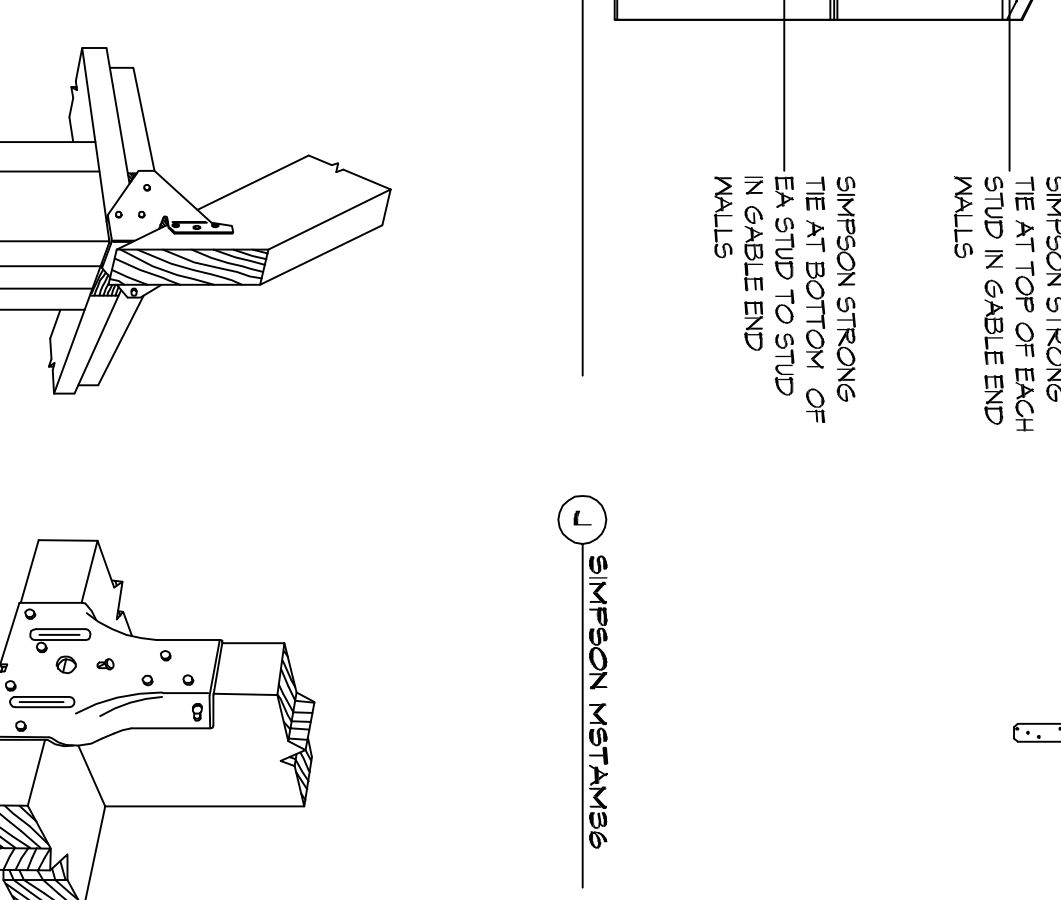
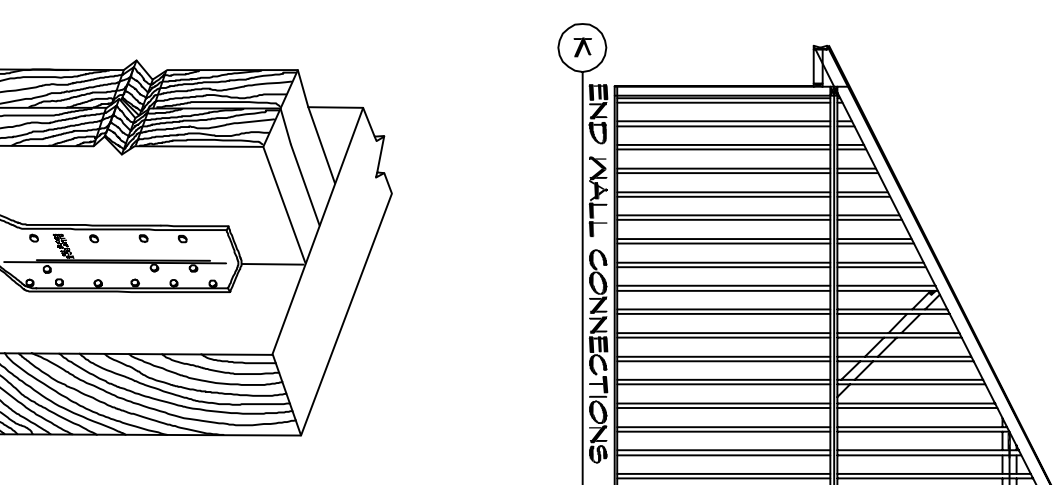
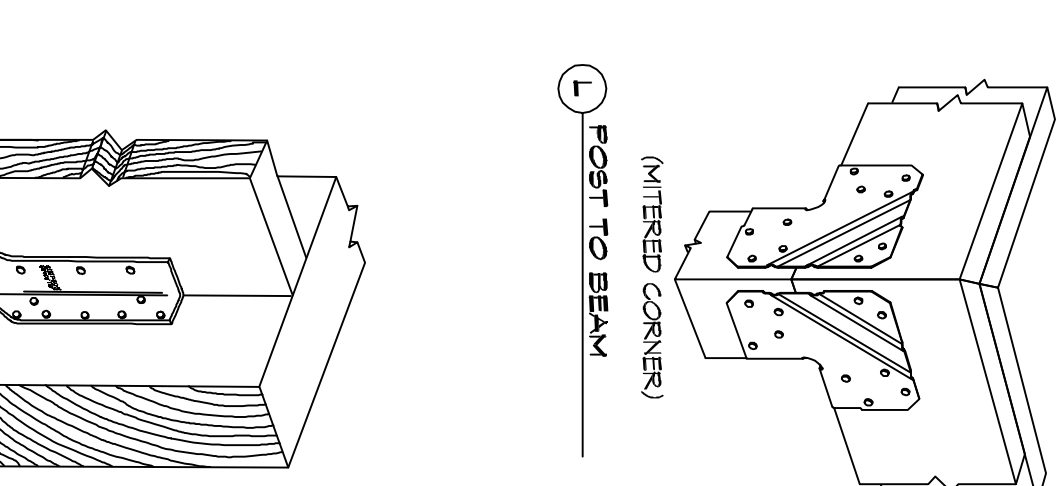
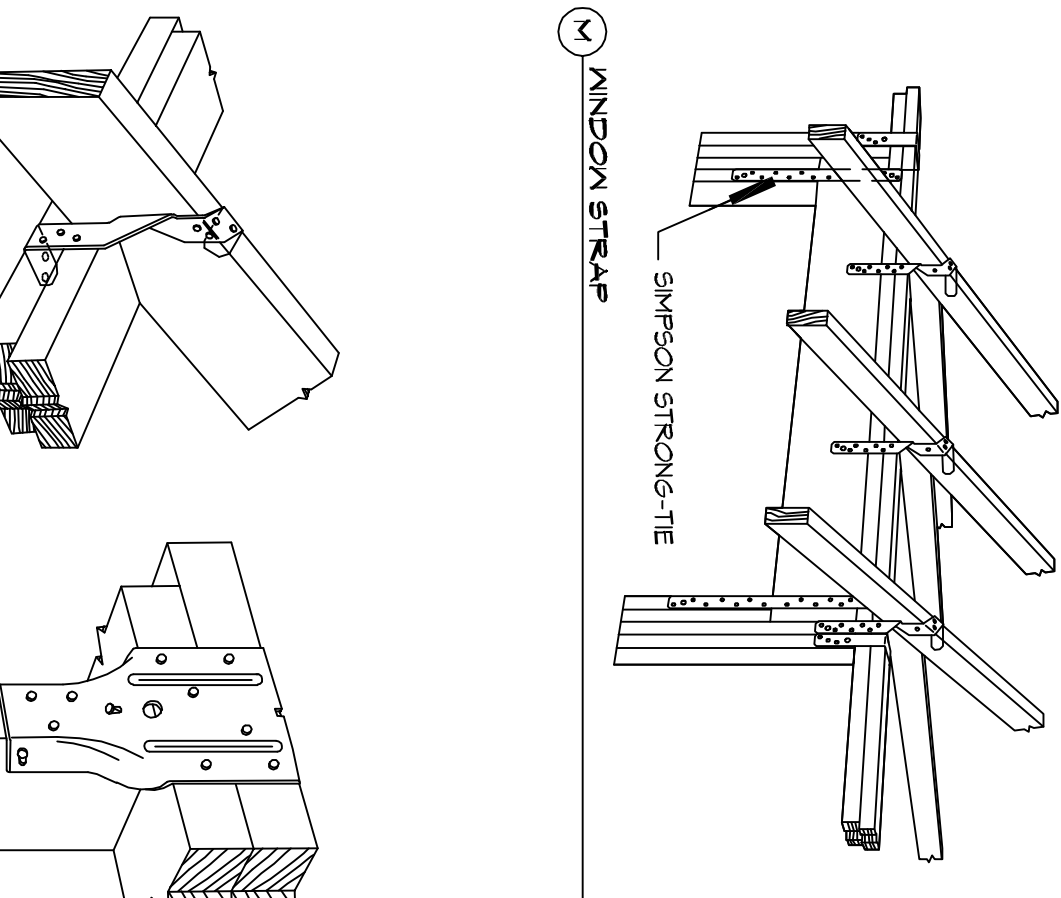
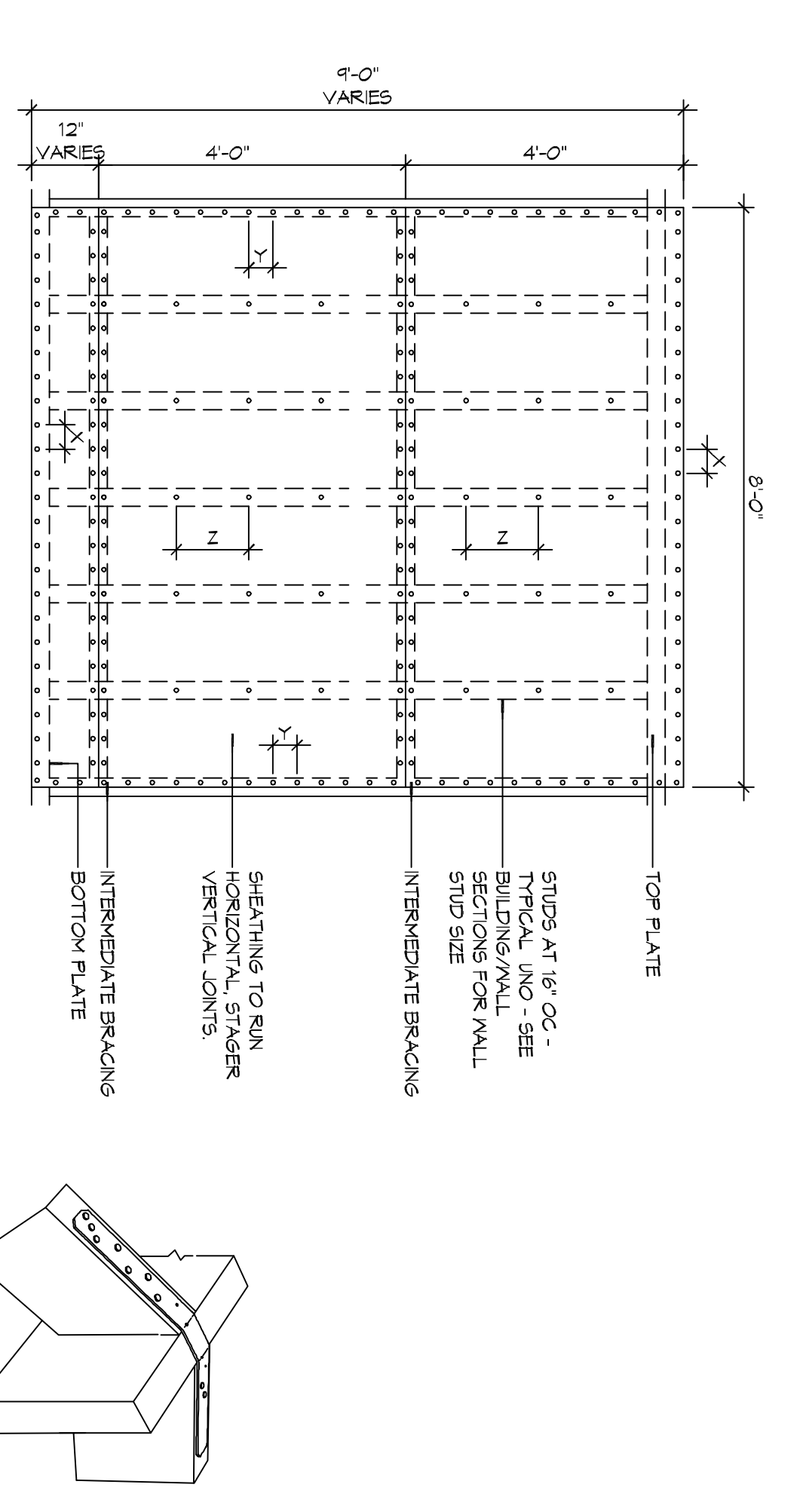


TABLE 5601.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - WIND LOAD EXP "C"

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
	16" OC	6	12
	24" OC	6	6
PERIMETER EDGE ZONE	12" OC	6	6
	16" OC	4	4
	24" OC	3	3

1 TYPICAL CONNECTION DETAILS (130 MPH WIND EXP "C")

SCALE: NTS

130 MPH WIND - EXPOSURE C, TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL, FIELD, INCHES

DRAWING NUMBER: 5103

SHEET NO. 3 OF 3

#32 SEAWARD CT. NOLA, LOUISIANA 70131

JOB No: 2317 DATE: 05-15-17

DRAWN BY: CKD CHECKED BY: BAM

DAMMON ENGINEERING INC.

5103

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