

TABLE S601.7 - UPLIFT CONNECTIONS - 130 MPH WINDS EXP "C"
WFCM 2015 TABLE 3.2

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	242	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 - 130 MPH WIND EXP "C"
WFCM 2015 TABLE 3.2C

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		8' END ZONES	INTERIOR ZONES
UPLIFT LOADS	1 - 3 STORIES	25 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"
WFCM 2015 TABLE 3.2B

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		1/2" Ø ANCHOR BOLTS	5/8" Ø ANCHOR BOLTS
UPLIFT LOADS	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"
WFCM 2015 TABLE 3.23C

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

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

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)											
		12 FEET				24 FEET				36 FEET			
		3'	4.5'	5'	6.5'	3'	4.5'	5'	6.5'	3'	4.5'	5'	6'
ONE FLOOR ONLY (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1
	10	1	1	1	1	2	2	1	1	3	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2
	14	2	1	1	1	3	2	2	2	4	3	3	2
TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	2	1	1	1
	4	1	1	1	1	2	1	1	1	3	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	2	2
	8	2	2	1	1	3	2	2	2	5	3	3	3
	10	2	2	2	1	4	3	3	2	6	4	4	3
	12	3	2	2	2	5	3	3	3	7	5	4	4
	14	3	2	2	2	6	4	4	3	8	5	5	4
16	4	3	2	2	6	4	4	3	9	6	6	5	

HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH 1/2" PLYWOOD SPACER BETWEEN

TABLE S601.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS
WFCM 2015 TABLE 3.22F

		ROOF LIVE LOAD 20 PSF				ROOF LIVE LOAD 30 PSF			
		3'	4.5'	5'	6.5'	3'	4.5'	5'	6.5'
		NUMBER OF JACK STUDS REQUIRED							
ROOF AND CEILING	2	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1
	6	2	1	1	1	2	1	1	1
	8	2	2	2	1	2	2	2	1
	10	3	2	2	2	3	2	2	2
	12	3	2	2	2	3	2	2	2
	14	4	3	2	2	4	3	2	2
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1
	6	2	2	2	1	3	2	2	2
	8	3	2	2	2	3	2	2	2
	10	4	3	2	2	4	3	3	2
	12	4	3	3	2	5	3	3	3
	14	5	4	3	3	5	4	3	3
16	6	4	4	3	6	4	4	3	

HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH 1/2" PLYWOOD SPACER BETWEEN

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

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

TABLE S601.3 - NAILING SCHEDULE
WFCM 2015 TABLE 3.1

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

TABLE S601.4 - BUILDING ENVELOPE REQUIREMENTS

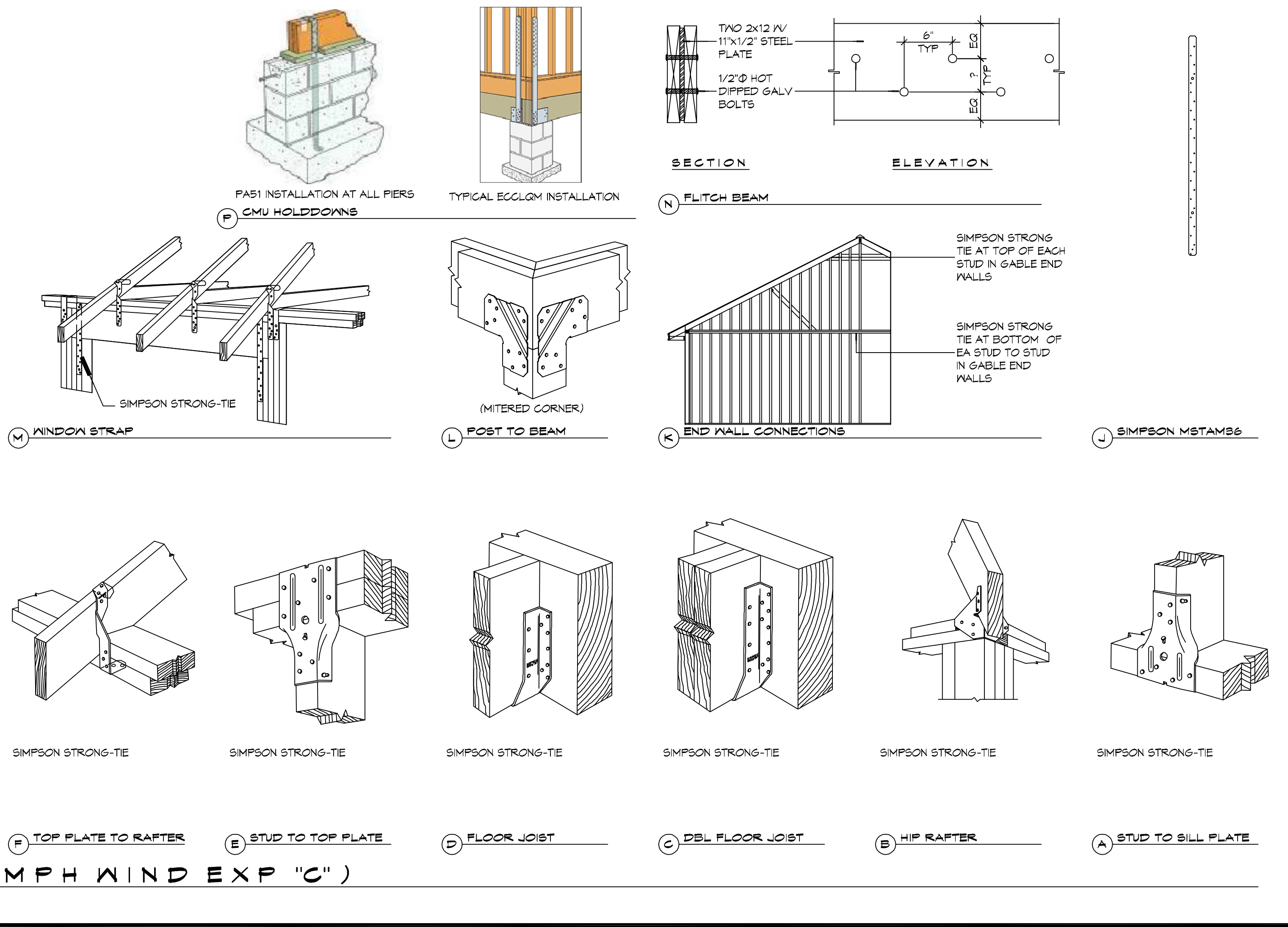
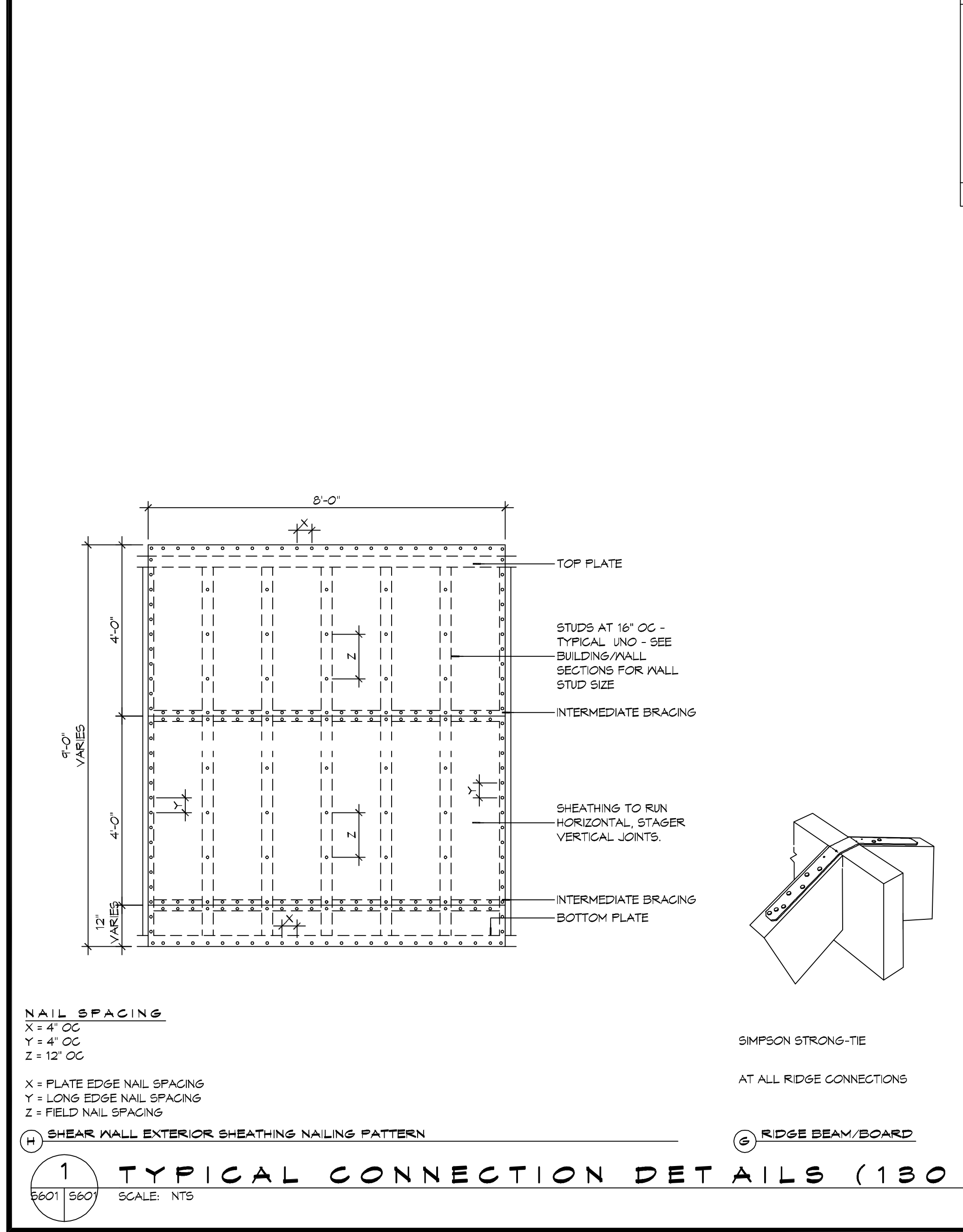
OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
ROOFS	INSULATION ENTIRELY ABOVE DECK	U-0.040 R-20.0 c.i.
	METAL BUILDING	U-0.065 R-19
	ATTIC AND OTHER	U-0.027 R-30
WALLS, ABOVE GRADE	MASS	U-0.151 R-5.7 c.i.
	METAL BUILDING	U-0.113 R-13.0
	STEEL-FRAMED	U-0.124 R-13.0
FLOORS	WOOD-FRAMED AND OTHER	U-0.089 R-13.0
	MASS	U-0.107 R-6.3 c.i.
	STEEL JOIST	U-0.052 R-19.0
SLAB-ON-GRADE	WOOD FRAMED AND OTHER	U-0.051 R-19.0
OPAQUE DOORS	UN-HEATED	F-0.730 NR
	SWINGING	U-0.700 NR
	NON-SWINGING	U-1.450 NR

ROOF UNDERLAYMENT NOTES

- FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
 - APPLY A 14 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 14 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
- FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
 - UNDERLAYMENT SHALL BE APPLIED SINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED 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 110 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 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:
STORY 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 A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 7 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE. 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION, OR MANUF. FROM 6185 OR 2430 GALV. STL. 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
	16" OC	6	12
	24" OC	6	6
PERIMETER EDGE ZONE	12" OC	6	6
	16" OC	4	4
	24" OC	3	3

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

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

SHEET TITLE: TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

DRAWING NUMBER: S103

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

DAMMON ENGINEERING, INC.

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DATE: 10-10-2017
JOB No: 2017
DRAWN BY: CAD
CHECKED BY: CAD

120 US OWENS CORNING FIBERGLASS 70447
MADISONVILLE, LOUISIANA

SHEET # 5 of 6

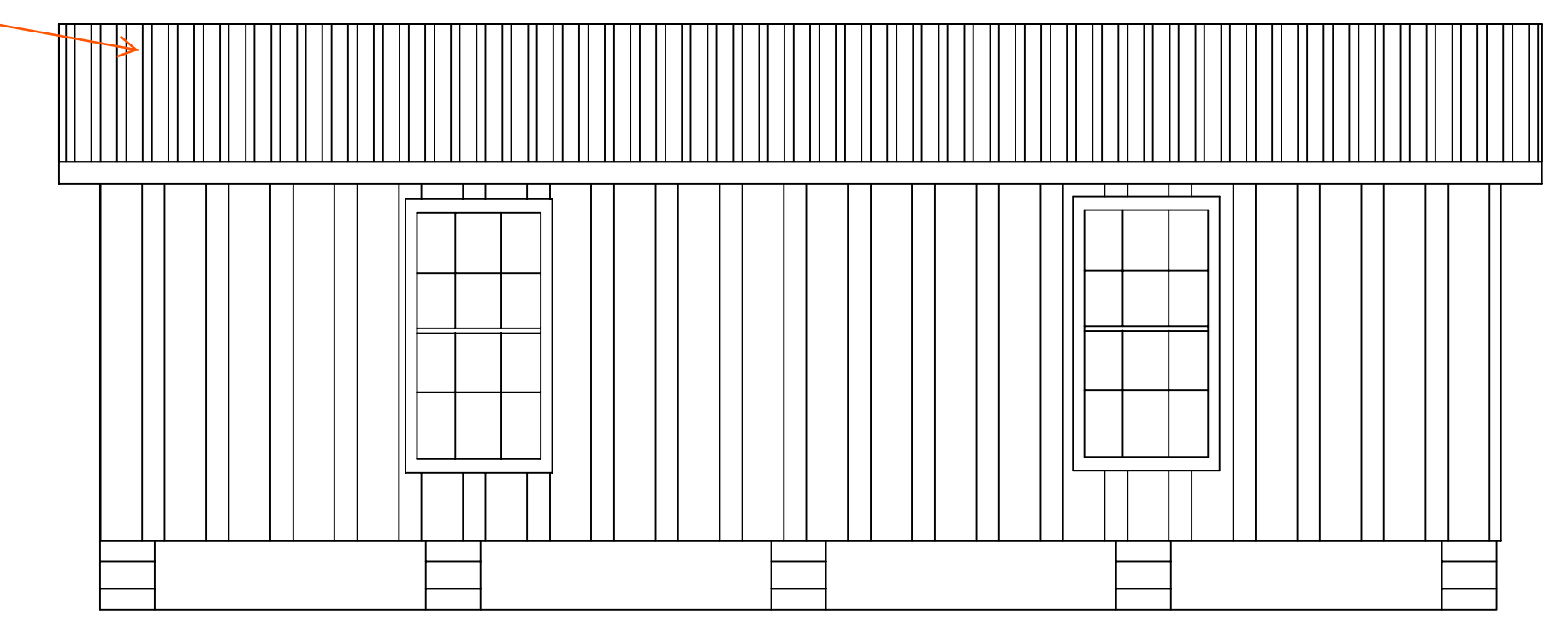
All emergency escape and rescue openings shall have a minimum net clear opening of 2.7 s.f. The minimum net clear opening height shall be 24 inches and the minimum net clear opening width shall be 20 inches. The window shall be installed such that the bottom of the opening is not more than 44 inches above the floor.

DOOR SCHEDULE									
MK	WIDTH	HEIGHT	THK	DOOR MATERIAL	FRAME MATERIAL	TYPE	HWR	REMARKS	
O1	3'-0"	6'-8"	1-3/4"	WOOD	WOOD	BDROOM	PRIVACY		
O2	2'-6"	6'-8"	1-3/4"	WOOD	WOOD	CLOSET	PASSAGE		

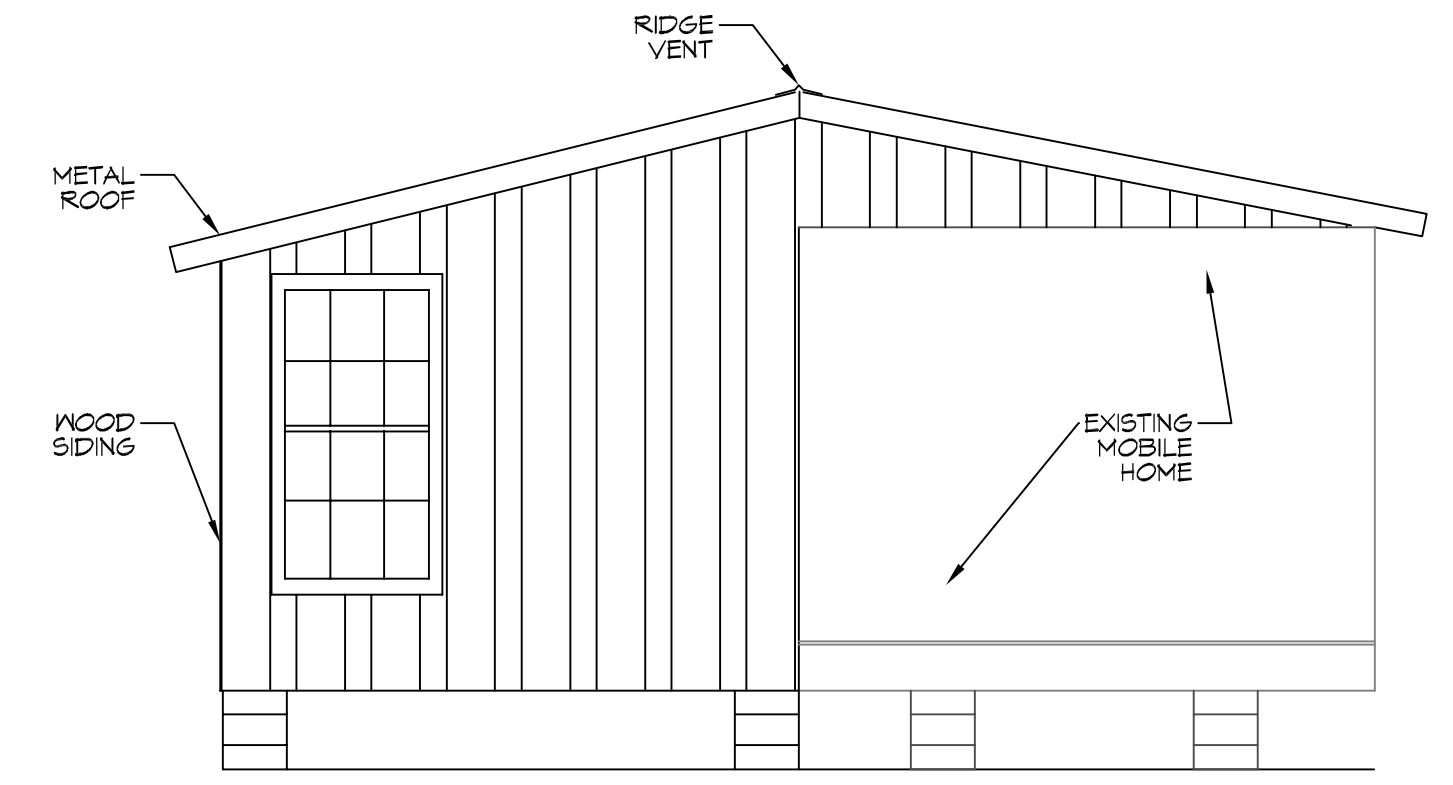
WINDOW SCHEDULE				
MK	SIZE	FRAME	TYPE	REMARKS
A	3'-0" x 6'-0"	ALUM	SLIDER	DOUBLE INSULATED

FINISH SCHEDULE						
ROOM NAME	ROOM NO	FLOOR	BASE	WALL	CEILING	REMARKS
BEDROOM	100	VGT	VINYL	1/2" GYP BD	1/2" GYP BD	

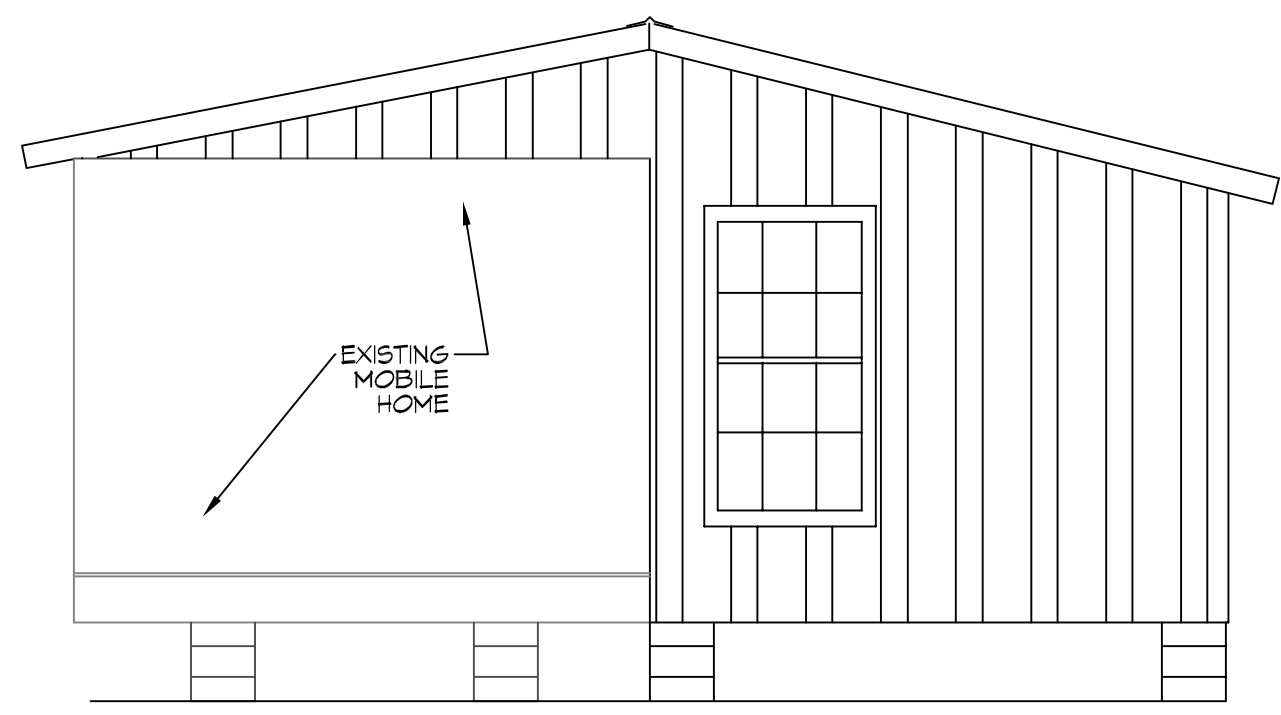
- ### GENERAL STRUCTURAL NOTES
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING & STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES & SEQUENCE & TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACINGS, BUYS OR TIEDOWNS WHICH MIGHT BE NECESSARY DURING CONSTRUCTION. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
 - IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES & REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
 - SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
 - GOVERNING CODES: INTERNATIONAL RESIDENTIAL CODE 2012 AND ASCE STANDARD T-10
 - UNLESS OTHERWISE SPECIFICALLY SHOWN DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST REVISIONS OF:
 - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY NFPA.
 - U.S. PRODUCT STANDARD PS-1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD.
 - APA DESIGN/CONSTRUCTION GUIDE - RESIDENTIAL AND COMMERCIAL.
 - MISCELLANEOUS:
 - USE ON LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 4'-0" O.C. MAXIMUM, FOR ALL JOIST AND RAFTERS. USE SOLID BLOCKING AT BEARINGS.
 - USE SOLID BLOCKING AT MID-HEIGHT FOR ALL INTERIOR AND EXTERIOR STUDS/WALLS.
 - PROVIDE BLOCKING IN WALL TO SECURE MOUNTED MILLWORK, SHELVES, FIXTURES, MIRRORS, TOILET ACCESSORIES AND OTHER ITEMS REQUIRING A PERMANENT ATTACHMENT TO THE WALL.
 - USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNLESS SHOWN OTHERWISE.
 - PLYWOOD SUBFLOORING SHALL BE 3/4" THICK TONGUE AND GROOVE STURDY FLOOR. APPLY CONTINUOUS BEAD OF GLUE ON JOISTS AND GROOVE OF TONGUE-AND-GROOVE PANELS. ATTACH SUBFLOORING TO JOIST USING SCREWS.
 - BEFORE APPLYING FINISH FLOORING, SET SCREWS 1/8" BUT DO NOT FILL. LIGHTLY SAND ANY SURFACE ROUGHNESS, PARTICULARLY AT JOINTS AND AROUND WALLS.
 - WALLS SHALL BE 2x4 STUDS AT 16" O.C., UNLESS NOTED OTHERWISE. WHERE PLUMBING IS REQUIRED IN WALL, WALL SHALL BE 2x6 STUDS AT 16" O.C., UNLESS NOTED OTHERWISE.
 - FLOOR, ATTIC, AND ROOF FRAMING SHALL BE OF SIZES AS INDICATED ON FRAMING PLANS. PROVIDE WOOD CROSS BRIDGING WHERE INDICATED ON DRAWINGS OR WHEN JOIST EXCEEDS 8'. LOCATE (3/2x12s BELOW BEARINGS WALLS OR FLOOR ABOVE AND/OR AS INDICATED ON FRAMING PLANS. BEAM SHALL BEAR ON ENTIRE WIDTH OF BEARING WALL TOP PLATES. LOCATE THREE STUDS AT BEAM BEARING POINTS BELOW DOUBLE TOP PLATE OR AS SHOWN ON PLAN. PROVIDE WOOD COLLAR BRACES AT EACH RAFTER 24" BELOW CROWN OF ROOF.
 - PLYWOOD ROOFING SHALL BE APA 24/0, 5/8" THICK. NAIL WITH 8D NAILS SPACED AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. PROVIDE PLY CLIPS AT UNSUPPORTED EDGES BETWEEN ROOF JOISTS.
 - COORDINATE FRAMING WITH HVAC, ELECTRICAL AND PLUMBING REQUIREMENTS.
 - BORED HOLES SHALL BE 2" CLEAR FROM TOP OR BOTTOM EDGE OF JOIST, NOT LARGER THAN 1-1/4" AND NOT IN MIDDLE OF SPAN.
 - STRAP ALL PLATES CUT AWAY FOR PLUMBING WITH 1-1/2" WIDE NO. 24 GAUGE GALVANIZED STRAPS 18" LONG, BOTH SIDES OF WALL-SPIKED TO PLATES.
 - PROVIDE STUD POSTS MADE UP OF MULTIPLE STUDS BENEATH END BEARINGS OF BEAM SHOWN ON FRAMING PLAN. NAIL EACH STUD TO ADJACENT STUD IN THE POST WITH 16d NAILS AT 12" O.C. (ON STUD CENTERLINE) AND WITHIN 3" OF EACH END. CUT STUDS CAREFULLY TO INSURE FULL AND COMPLETE BEARING TOP AND BOTTOM.
 - STAIR STRINGERS SHALL BE 2x12. INSTALL INTERMEDIATE STRINGER FOR STAIRS OVER 30" WIDE.
 - HIP RAFTERS, RIDGE BOARDS AND VALLEY RAFTERS SHALL BE ONE SIZE LARGER THAN RAFTERS, UNLESS NOTED OTHERWISE.
 - PROVIDE TERMITE TREATMENT DURING APPROPRIATE STAGE OF CONSTRUCTION.
 - DOUBLE UP ON FLOOR JOISTS UNDER ALL WALLS.
 - PROVIDE SOLID BLOCKING ON ALL HEADERS.



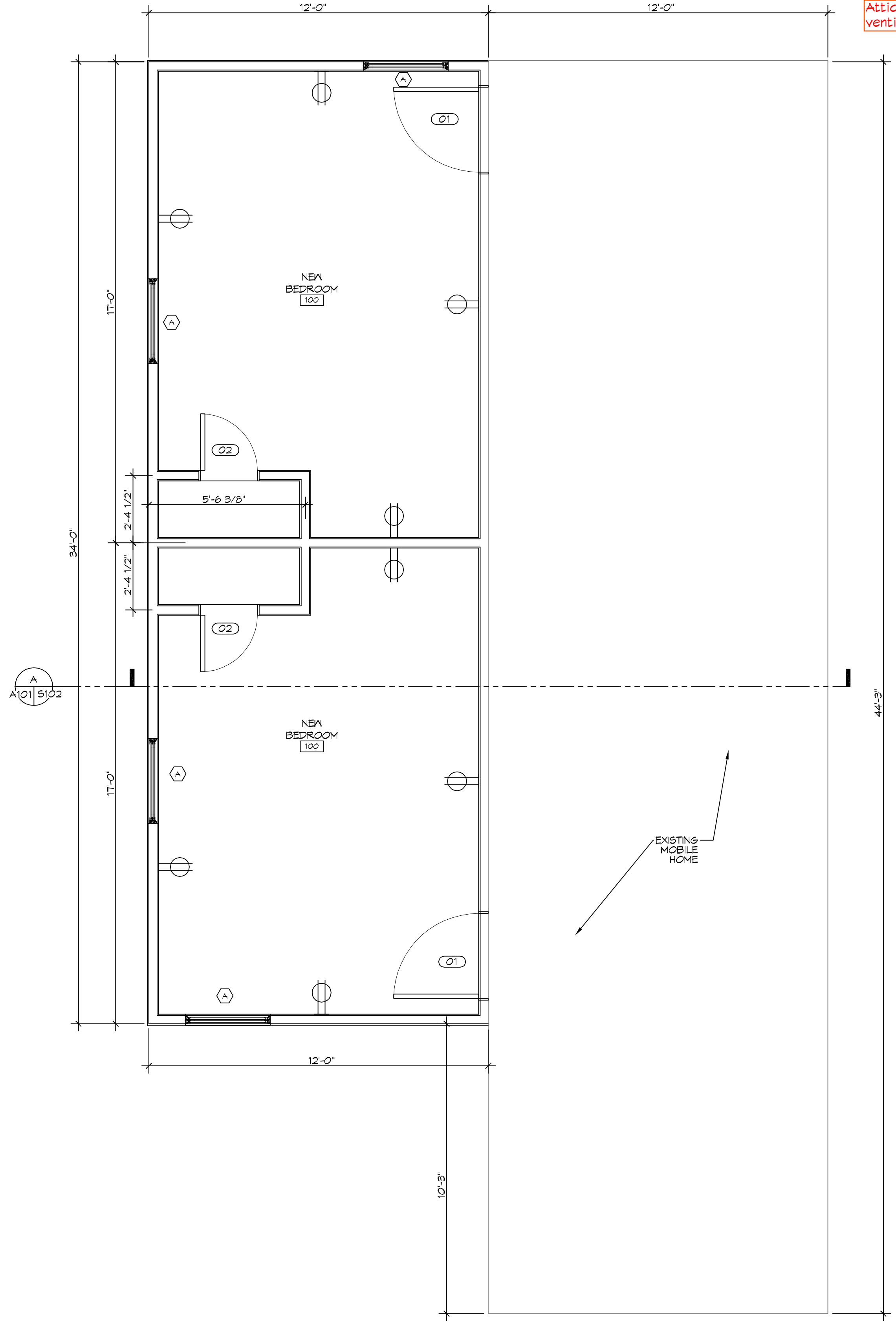
SIDE ELEVATION
SCALE: 1/4" = 1'-0"



FRONT ELEVATION
SCALE: 1/4" = 1'-0"



REAR ELEVATION
SCALE: 1/4" = 1'-0"



1 FLOOR PLAN ADDITION
SCALE: 3/8" = 1'-0"

DAMMON ENGINEERING, INC.

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#	DESCRIPTION	DATE

SEAL:

FOUNDATION & STRUCTURAL DIMENSION LUMBER NOTES

- PROVIDE STRUCTURAL FRAMING MEMBERS OF THE SIZES INDICATED ON THESE STRUCTURAL AND ARCHITECTURAL DRAWINGS, UNLESS INSTRUCTED OTHERWISE. USE PRESSURE TREATED SOUTHERN PINE NO. 2 MINIMUM FOR ALL BEAMS, FLOOR JOIST AND BOTTOM SILL PLATES.
 - BEAMS SHALL BE PRESSURE TREATED CONFORMING TO ANFA U3B USING A WATER BASED TREATMENT. ALL BEAMS SHALL BE GLUED AND NAILED.
 - FLOOR JOIST AND BOTTOM SILL PLATE SHALL BE PRESSURE TREATED CONFORMING TO ANFA U3B.
- USE SOUTHERN PINE NO. 2 MINIMUM FOR ALL REMAINING STRUCTURAL MEMBERS.

CARLOS ZAMALAITA

130 US OWENS ROAD
MADISONVILLE, LOUISIANA 70447
JOB No: 2017
DATE: 10-10-2017
DRAWN BY: CAZ
CHECKED BY: BAW

SHEET TITLE:
FLOOR PLAN ADDITION
AND ELEVATIONS

DRAWING NUMBER:
A101