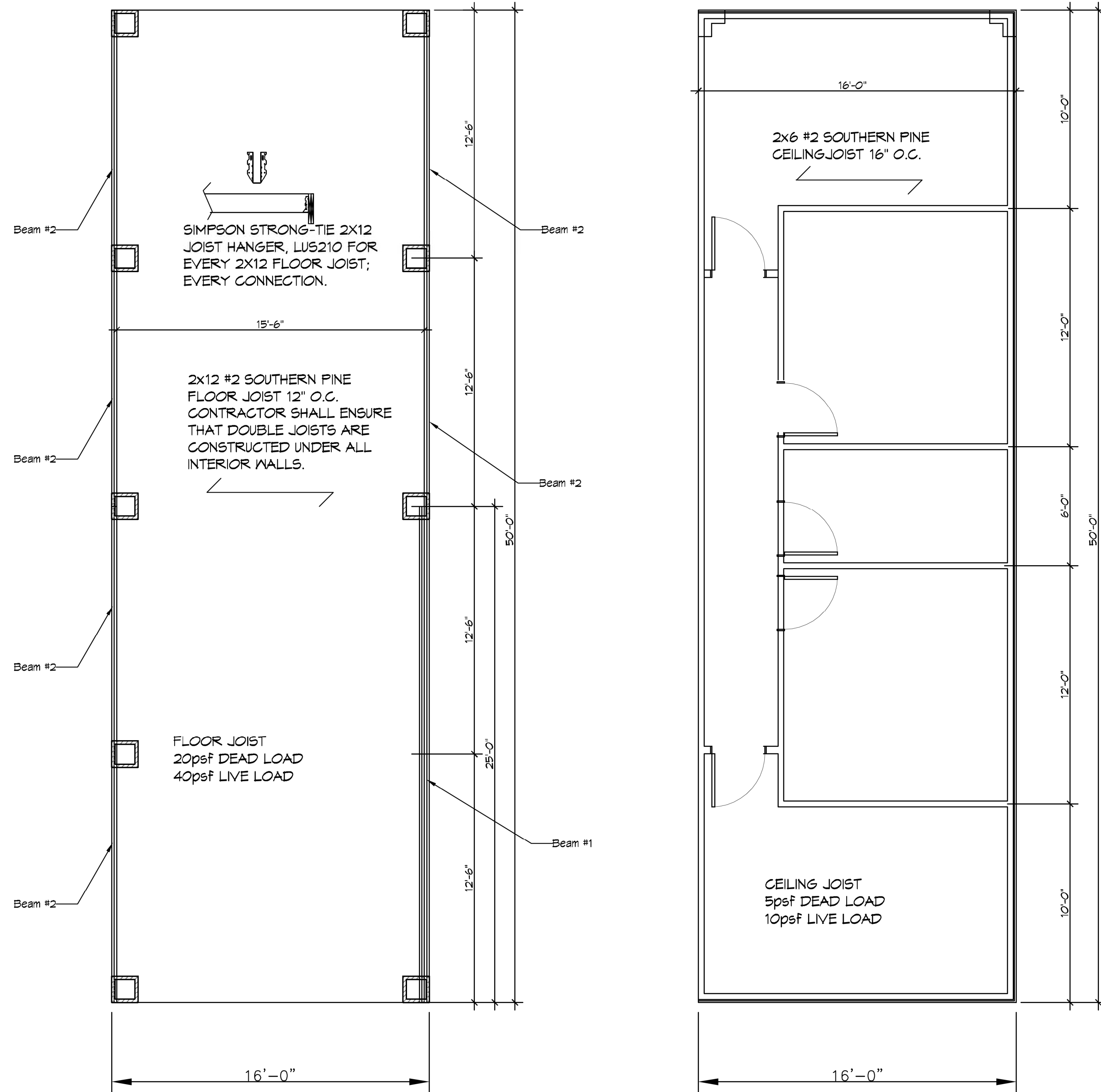




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**2 FLOOR FRAMING PLAN**

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

BEAM #1 VERSA-LAM QUADRUPLE  
PLY 1.25"x18"x25' LONG  
BEAM #2 VERSA-LAM DOUBLE PLY  
1.25"x18"x12.5' LONG

**3 CEILING SUPPORT PLAN**

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

**FLOOR FRAMING NOTES**

- DO NOT SCALE DRAWINGS. USE ONLY DIMENSIONS SHOWN ON DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE BUILDER SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS BEFORE CONTINUING WITH CONSTRUCTION. BUILDER SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOBSITE.
- INSTALL ALL BRIDGING AND PERMANENTLY FASTEN JOISTS INTO PLACE BEFORE APPLYING ANY LOADS EXCEPT THE WEIGHT OF THE ERECTORS.
- DECKS SHALL BEAR UNIFORMLY ALONG THE TOP CHORDS OF THE JOISTS.
- FLOOR DECK SHALL BE 3/4" EXPOSURE T&G STURDI-FLOOR PLYWOOD.
- HOLD FLOOR DECKING PANELS APART AS RECOMMENDED BY DECKING MANUF.
- HOLD FLOOR DECK PANELS AWAY FROM ITEMS PENETRATING FLOOR DECK AS RECOMMENDED BY FLOOR DECK MANUF. TO ALLOW FOR EXPANSION AND CONTRACTION OF FLOOR DECK.
- INSTALL DOUBLE JOISTS UNDER WALLS PARALLEL TO JOISTS. INSTALL SOLID BRIDGING BETWEEN FLOOR JOISTS UNDER WALLS PERPENDICULAR TO JOISTS. PROVIDE X OR SOLID BRACING AT 8'-0" MAX. FOR FLOOR JOISTS. DOUBLE HEADER JOISTS AND TRIMMERS AT ALL FLOOR OPENINGS WHERE JOISTS TERMINATE.

**FRAMING NOTES**

- ALL WOOD FRAMING, FABRICATION, AND ERECTION SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NFPA, THE PLYWOOD DESIGN SPECIFICATION BY THE APA AND MEET THE REQUIREMENTS BELOW. UNLESS NOTED OTHERWISE, ALL WOOD CONNECTIONS SHALL BE IN ACCORDANCE WITH THE FASTENING SCHEDULE OF THE 2015 INTERNATIONAL RESIDENTIAL BUILDING CODE.
- PROVIDE BLOCKING IN WALL TO SECURE MOUNTED MILLWORK, SHELVES, FIXTURES, MIRRORS, TOILET ACCESSORIES AND OTHER ITEMS REQUIRING A PERMANENT ATTACHMENT TO THE WALL.
- 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.
- BLOCK ALL STUD WALLS AT MID-HEIGHT.
- 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 BEARING 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.
- WIND BRACING-PROVIDE APA RATED 4x8x5/8" PLYWOOD ON ALL NEW EXTERIOR WALLS FROM FLOOR TO UNDERSIDE OF ROOF RAFTERS. NAIL PLYWOOD ACCORDING TO STRUCTURAL DETAIL.
- 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 GALVANIZED STRAPS 18" LONG, BOTH SIDES OF WALL-SPIKED TO PLATES.
- EXISTING WALLS NEARLY SUPPORTING A SECOND OR THIRD FLOOR SHALL HAVE EXISTING STUD WALLS AT 16" O.C. SISTERED WITH AN ADDITIONAL 2x4 TRTD STUD.
- PROVIDE TERMITE TREATMENT DURING APPROPRIATE STAGE OF CONSTRUCTION.

**DIMENSIONAL LUMBER FRAMING NOTES:**

- WOOD FRAME BUILDING SHALL BE CONSTRUCTED TO WITHSTAND 133 MPH WINDS, ROUGHNESS C, EXPOSURE C.
- THE FOLLOWING DEFLECTIONS SHALL APPLY:
  - EXTERIOR LOAD-BEARING WALL FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE WALL HEIGHT.
  - INTERIOR LOAD-BEARING WALL FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE WALL HEIGHT UNDER A HORIZONTAL LOAD OF 5 LBF/SQ. FT.
  - EXTERIOR NON-LOAD-BEARING FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE WALL HEIGHT.
  - ROOF RAFTER FRAMING: HORIZONTAL DEFLECTION OF 1/180 OF THE HORIZONTALLY PROJECTED SPAN.
  - CEILING JOIST FRAMING: VERTICAL DEFLECTION OF 1/240 OF THE SPAN.
- FRAMING SYSTEMS SHALL PROVIDE FOR MOVEMENT OF FRAMING MEMBERS WITHOUT DAMAGE OR OVERSTRESSING, SHEATHING FAILURE, CONNECTION FAILURE, undue strain ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO A MAXIMUM AMBIENT TEMPERATURE CHANGE OF 120 DEG. F.
- FRAMING SYSTEM SHALL MAINTAIN CLEARANCES AT OPENINGS, TO ALLOW FOR CONSTRUCTION TOLERANCES, AND TO ACCOMMODATE LIVE LOAD DEFLECTION OF PRIMARY BUILDING STRUCTURE FOR UPWARD AND DOWNWARD MOVEMENT OF 1/2 INCH.
- KILN-DRY LUMBER AFTER TREATMENT SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%. DO NOT USE MATERIAL THAT IS WARPED OR DOES NOT COMPLY WITH REQUIREMENTS FOR UNTREATED MATERIAL. KILN-DRY PLYWOOD AFTER TREATMENT SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 15%.
- ALL WOOD-PRESERVATIVE-TREATED LUMBER SHALL MEET THE AMVA G2 GUIDELINES EXCEPT WHERE SUCH LUMBER THAT IS NOT IN CONTACT WITH THE GROUND AND IS CONTINUOUSLY PROTECTED FROM LIQUID WATER MAY BE TREATED ACCORDING TO AMVA G31 WITH INORGANIC BORON SBX.
- ALL WOOD-PRESERVATIVE-TREATED LUMBER SHALL BE MARKED WITH A TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSG BOARD OF REVIEW.
- WOOD-PRESERVATIVE-TREATED LUMBER SHALL BE USED AS INDICATED ON THE DRAWINGS AND ALSO THE FOLLOWING:
  - WOOD CANTS, NAILERS, CURBS, EQUIPMENT SUPPORT BASES, BLOCKING, STRIPPING, AND SIMILAR MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND WATERPROOFING.
  - WOOD SILLS, SLEEPERS, BLOCKING, FURRING, STRIPPING, AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH CONCRETE.
  - WOOD FRAMING AND FURRING ATTACHED DIRECTLY TO THE INTERIOR OF BELOW-GRADE EXTERIOR CONCRETE WALLS.
  - WOOD FRAMING MEMBERS THAT ARE LESS THAN 18 INCHES ABOVE THE GROUND IN CRAWLSPACES OR UNEXCAVATED AREAS.
  - WOOD FLOOR PLATES THAT ARE INSTALLED OVER CONCRETE SLABS-ON-GRADE:
    - INSTALL SILL PLATE GASKETS AT ALL EXTERIOR WALLS BY ONE OF THE FOLLOWING MANUFACTURERS:
      - OWENS CORNING FOAM SEAL R
      - DOV WEATHERMATE SILL SEAL
- IDENTIFY ALL FIRE-RETARDANT-TREATED WOOD WITH APPROPRIATE CLASSIFICATION MARKING OF A QUALIFIED TESTING AGENCY.
- TREAT THE FOLLOWING WITH FIRE-RETARDANT-TREATED WOOD:
  - CONCEALED BLOCKING.
  - ROOF CONSTRUCTION.
  - PLYWOOD BACKING PANELS.
- INTERIOR PARTITIONS NOT INDICATED AS LOAD BEARING SHALL BE CONSTRUCTED WITH CONSTRUCTION GRADE OR NO. 2 GRADE SOUTHERN PINE LUMBER.
- ALL LOAD BEARING INTERIOR AND EXTERIOR PARTITIONS SHALL BE NO. 2 GRADE SOUTHERN PINE.
- OTHER FRAMING SHALL BE ANY SPECIES AND GRADE WITH A MODULUS OF ELASTICITY OF AT LEAST 1,400,000 AND AN EXTREME FIBER STRESS IN BENDING OF AT LEAST 1000 PSI FOR 2" NOMINAL THICKNESS AND 12" NOMINAL WIDTH FOR SINGLE MEMBER USE.
- PROVIDE CONSTRUCTION GRADE OR NO. 2 GRADE LUMBER OF ANY SPECIES FOR MISCELLANEOUS ITEMS SUCH AS:
  - BLOCKING.
  - NAILERS.
  - FURRING.
  - GROUNDS.
- FOR CONCEALED BOARDS, PROVIDE LUMBER WITH A 19% MAXIMUM MOISTURE CONTENT OF NO. 2 SOUTHERN PINE.
- PROVIDE 3/4 INCH FIRE-RETARDANT TREATED PANELS FOR EQUIPMENT SUPPORT PANELS.
- FASTENERS:
  - PROVIDE FASTENERS OF SIZE AND TYPE INDICATED. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN CONTACT WITH THE GROUND, PRESSURE-PRESERVATIVE TREATED, OR IN AN AREA WITH HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A 153.
  - POWER-DRIVEN FASTENERS SHALL COMPLY WITH NDS ESR-1534
  - STEEL BOLTS SHALL COMPLY WITH ASTM A 307, GRADE A; HEX NUTS SHALL COMPLY WITH ASTM A 563.
- PROVIDE GLASS FIBER RESILIENT INSULATION, FABRICATED IN STRIP FORM FOR USE AS A SILL SEALER; 1" NOMINAL THICKNESS, COMPRESSIBLE TO 1/32" OR A CLOSED CELL NEOPRENE FOAM 1/4" THICK.
- PROVIDE FLEXIBLE FLASHING AS A COMPOSITE, WITH SELF-ADHESIVE, FLASHING PRODUCT CONSISTING OF A PLIABLE, BUTYL RUBBER OR RUBBERIZED-ASPHALT COMPOUND, BONDED TO A HIGH-DENSITY POLYETHYLENE FILM, ALUMINUM FOIL, OR SPUNBONDED POLYOLEFIN TO PRODUCE AN OVERALL THICKNESS OF NOT LESS THAN 0.025".

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554 Old Spanish Trail  
Slidell, LA 70668

REVISIONS	DATE	DESCRIPTION

SEAL:

2nd FLOOR ADDITION  
T M A K I  
JOB No: 2021-11 DATE: 02-25-2021  
DRAWN BY: DD CHECKED BY: BAM

SHEET TITLE:  
FRAMING PLAN  
DRAWING NUMBER:  
**S-2**  
SHEET No: 2 of 3

### TABLE 93.7 - HEADER SPANS FOR INTERIOR LOAD-BEARING WALLS

HEADERS SUPPORTING	SIZE	DROPPED HEADER			RAISED HEADER		
		BUILDING WIDTH (ft.)			BUILDING WIDTH (ft.)		
		12	24	36	12	24	36
ONE FLOOR ONLY (SINGLE CENTER BEARING WALL)	(2) 2x4	4'-0"	2'-10"	2'-4"	4'-1"	2'-10"	2'-4"
	(2) 2x6	5'-11"	4'-3"	3'-5"	6'-1"	4'-4"	3'-6"
	(2) 2x8	7'-1"	5'-2"	4'-4"	7'-9"	5'-5"	4'-5"
	(2) 2x10	7'-11"	6'-0"	5'-0"	9'-2"	6'-6"	5'-3"
	(2) 2x12	8'-6"	6'-7"	5'-7"	10'-9"	7'-7"	6'-3"
	(3) 2x8	8'-5"	6'-4"	5'-3"	9'-8"	6'-10"	5'-7"
	(3) 2x10	9'-3"	7'-11"	6'-0"	11'-5"	8'-1"	6'-7"
	(3) 2x12	9'-11"	7'-8"	6'-7"	13'-6"	9'-6"	7'-9"
	(4) 2x8	9'-5"	7'-2"	6'-0"	11'-2"	7'-11"	6'-5"
	(4) 2x10	10'-3"	7'-11"	6'-9"	13'-3"	9'-4"	7'-8"
(4) 2x12	11'-0"	8'-7"	7'-4"	15'-7"	11'-0"	9'-0"	

### TABLE 93.8 - HEADER SPANS FOR EXTERIOR LOAD-BEARING WALLS RESISTING WIND LOADS EXP "C"

SIZE	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH	195 MPH
(2) 2x4	5'-1"	4'-8"	4'-4"	4'-1"	3'-10"	3'-7"	3'-5"	3'-2"
(2) 2x6	6'-3"	5'-9"	5'-4"	5'-0"	4'-8"	4'-5"	4'-2"	3'-10"
(2) 2x8	6'-10"	6'-4"	5'-11"	5'-6"	5'-2"	4'-10"	4'-7"	4'-3"
(2) 2x10	7'-4"	6'-10"	6'-4"	5'-11"	5'-6"	5'-2"	4'-11"	4'-6"
(2) 2x12	7'-10"	7'-3"	6'-9"	6'-3"	5'-11"	5'-7"	5'-3"	4'-10"
(3) 2x8	8'-5"	7'-9"	7'-2"	6'-9"	6'-4"	5'-11"	5'-7"	5'-2"
(3) 2x10	9'-0"	8'-4"	7'-9"	7'-3"	6'-9"	6'-4"	6'-0"	5'-7"
(3) 2x12	9'-7"	8'-11"	8'-3"	7'-8"	7'-3"	6'-10"	6'-5"	5'-11"
(4) 2x8	9'-8"	9'-0"	8'-4"	7'-9"	7'-3"	6'-10"	6'-6"	6'-0"
(4) 2x10	10'-5"	9'-7"	8'-11"	8'-4"	7'-10"	7'-4"	6'-11"	6'-5"
(4) 2x12	11'-7"	11'-1"	10'-3"	9'-6"	8'-11"	8'-4"	7'-10"	6'-10"

### TABLE 93.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 130 MPH WIND EXP "C"

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACINGS (INCHES)	
		8' END ZONES	INTERIOR ZONES
1 - 3 STORIES	34 INCHES ON CENTER	40 INCHES ON CENTER	

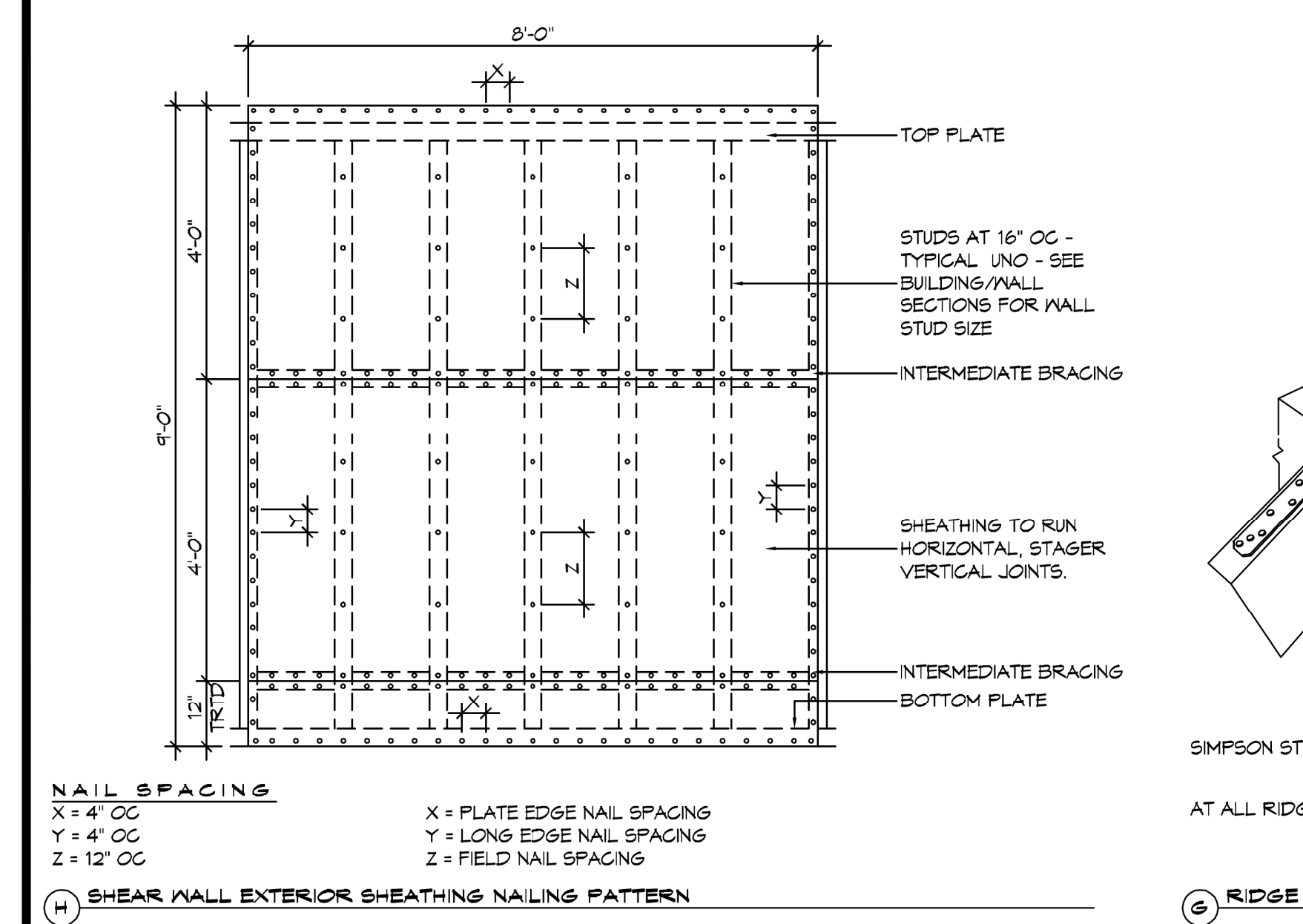
NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

### TABLE 93.10 - BOTTOM PLATE TO FOUNDATION CONNECTIONS (ANCHOR BOLTS) RESISTING LATERAL & SHEAR LOADS - EXP "C"

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACINGS (INCHES)	
		1/2" Ø ANCHOR BOLTS	5/8" Ø ANCHOR BOLTS
1 STORY	31 INCHES ON CENTER	48 INCHES ON CENTER	

### TABLE 93.11 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXP "C"

HEADER SPAN (FEET)	WALL STUD 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
10	5	4	3
12	6	5	3
14	7	6	4
16	8	6	4



1 TYPICAL CONNECTION DETAILS  
 SCALE: NTS

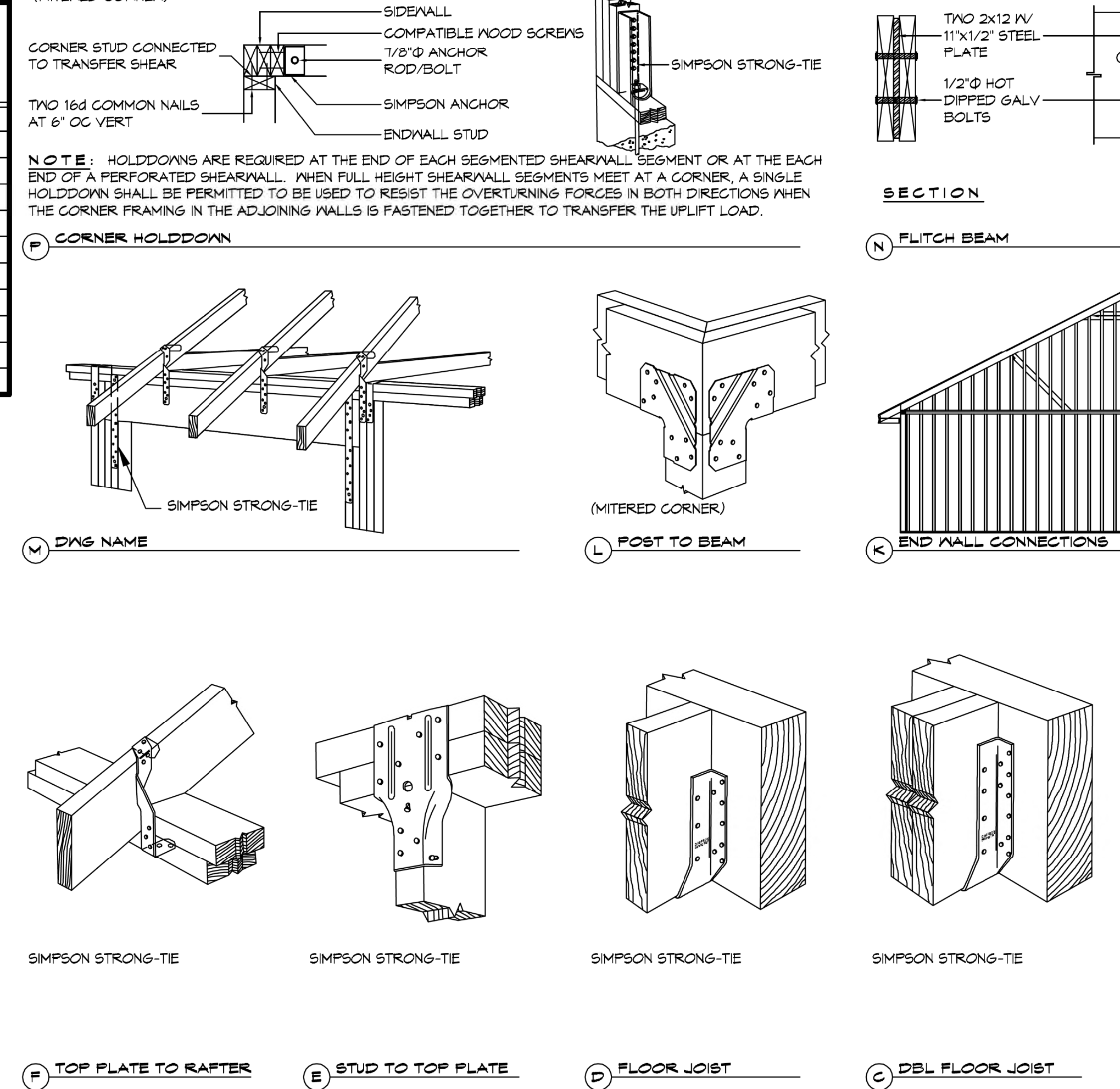
### TABLE 93.5 - JACK STUD REQ - INT LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)											
		12 FEET				24 FEET				36 FEET			
		NUMBER OF JACK STUDS REQUIRED AT EACH END OF THE HEADER											
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
TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	3	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	3	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

### TABLE 93.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF LIVE LOAD 20 PSF				GROUND SNOW LOAD 30 PSF			
		NUMBER OF JACK STUDS REQUIRED							
		3'	4.5'	5'	6'	3'	4.5'	5'	6'
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
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

HEADER WIDTH - 3" (2-2X), 4.5" (3-2X), 5", 6" (4-2X) EACH W/ 1/2" PLYWOOD SPACER BETWEEN



1 TYPICAL CONNECTION DETAILS  
 SCALE: NTS

### TABLE 93.3 - NAILING SCHEDULE

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
<b>WALL FRAMING</b>			
TOP PLATE TO TOP PLATE (FACE NAILED)	2-16d	2-16d	PER FOOT
TOP PLATE AT INTERSECTION (FACE)	4-16d	5-16d	JOINTS - EACH SIDE
STUD TO STUD (FACE-NAILED)	2-16d	2-16d	24" O.C.
HEADER TO HEADER (FACE NAILED)	16d	16d	16" O.C. EDGES
TOP OR BOTTOM PLATE TO STUD (END)	SEE TABLE	SEE TABLE	PER STUD
BOTTOM PLATE TO FLOOR JOIST, BAND JOIST, END JOIST OR BLOCKING	2-16d	2-16d	PER FOOT
<b>ROOF SHEATHING</b>			
WOOD STRUCTURAL PANELS	8d	10d	SEE TABLE 93.1
DIAGONAL BOARD SHEATHING			
1"x6" OR 1"x8"	2-8d	2-10d	PER SUPPORT
1"x10" OR WIDER	3-8d	3-10d	PER SUPPORT

### TABLE 93.4 - BUILDING ENVELOPE REQUIREMENTS

ROOFS	OPAQUE ELEMENTS		ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
	INSULATION ENTIRELY ABOVE DECK	METAL BUILDING	U-0.048	R-20.0 c.i.
WALLS, ABOVE GRADE	METAL BUILDING	U-0.021	R-30	
	MASS	U-0.151 @	R-5.7 c.i. @	
	METAL BUILDING	U-0.113	R-13.0	
FLOORS	STEEL-FRAMED	U-0.124	R-13.0	
	WOOD-FRAMED AND OTHER	U-0.084	R-13.0	
	MASS	U-0.107	R-6.3 c.i.	
SLAB-ON-GRADE	STEEL JOIST	U-0.052	R-19.0	
	WOOD FRAMED AND OTHER	U-0.051	R-19.0	
OPAQUE DOORS	UN-HEATED	F-0.130	NR	
	SPRINGING	U-0.100	NR	
	NON-SPRINGING	U-1.450	NR	

c.i. = CONTINUOUS INSULATION; NR = NO INSULATION REQUIREMENT  
 @ = EXCEPTION APPLIES

### 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 93.10.

**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 93.11.

**WALL ASSEMBLY TO FOUNDATION:**  
 FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION, SILL PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/2" X 20 GA. ASTM A663 GRADE 93 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 G195 OR Z450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE 93.12.

### TABLE 93.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - 130 MPH WIND LOAD EXP "C"

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

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 93.2 - WALL SHEATHING OR CLADDING REQUIREMENT - 130 MPH WIND LOAD EXP "C"

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

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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Chief Engineer: Brian Mestich, PE  
 554 Old Spanish Trail  
 Slidell, LA 70688

DATE	REVISIONS	DESCRIPTION

2nd FLOOR ADDITION

## S-3

SHEET TITLE: TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES  
 DRAWING NUMBER: