

TABLE S102.7 - HEADER SPANS FOR INTERIOR LOAD-BEARING WALLS

HEADERS SUPPORTING	SIZE	DROPPED HEADER		RAISED HEADER	
		BUILDING WIDTH (FT)	MAXIMUM HEADER SPAN	BUILDING WIDTH (FT)	MAXIMUM HEADER SPAN
(2) 2x4	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36
	6'-0"	12	36	12	36
	7'-11"	12	36	12	36
(2) 2x6	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36
(2) 2x8	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36
(2) 2x10	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36
(2) 2x12	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36
(3) 2x10	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36
(3) 2x12	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36
(4) 2x10	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36
(4) 2x12	4'-0"	24	24'	24	24'
	5'-1"	12	36	12	36

TABLE S102.8 - HEADER SPANS FOR EXTERIOR LOAD-BEARING WALLS RESISTING WIND LOADS EXP "C"

WIND SPEED (MPH)	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'-7"	3'-5"	3'-2"	3'-0"
(2) 2x6	6'-0"	5'-7"	5'-4"	5'-0"	4'-8"	4'-5"	4'-2"	3'-10"
(2) 2x8	6'-0"	6'-4"	6'-1"	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'-9"	6'-4"	6'-3"	5'-11"	5'-7"	5'-3"	4'-10"
(3) 2x8	8'-5"	7'-4"	7'-2"	6'-4"	6'-4"	5'-11"	5'-7"	5'-2"
(3) 2x10	9'-0"	8'-4"	7'-8"	7'-5"	6'-4"	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"	8'-0"	8'-4"	7'-4"	7'-3"	6'-10"	6'-6"	6'-0"
(4) 2x10	10'-5"	8'-7"	8'-11"	8'-4"	7'-10"	7'-4"	6'-11"	6'-5"
(4) 2x12	11'-7"	10'-3"	9'-6"	8'-11"	8'-4"	7'-10"	6'-10"	6'-10"

TABLE S102.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 110 MPH WIND EXP "C"

UPLIFT LOADS	FOUNDATION SUPPORTING		MAXIMUM ANCHOR BOLT SPACING (INCHES)	
	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)
1 - 3 STORES	50 INCHES ON CENTER	50 INCHES ON CENTER	50 INCHES ON CENTER	50 INCHES ON CENTER

TABLE S102.10 - BOTTOM PLATE TO FOUNDATION CONNECTIONS (ANCHOR BOLTS) RESISTING LATERAL & SHEAR LOADS - EXP "C"

UPLIFT LOADS	FOUNDATION SUPPORTING		MAXIMUM ANCHOR BOLT SPACING (INCHES)	
	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)
1 STORY	31 INCHES ON CENTER	31 INCHES ON CENTER	31 INCHES ON CENTER	31 INCHES ON CENTER

TABLE S102.11 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXP "C"

HEADER SPAN (FEET)	12' O.C.		16' O.C.		24' O.C.	
	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER
2	1	1	1	1	1	1
4	2	2	2	2	2	2
6	3	3	3	3	3	3
8	4	4	4	4	4	4
10	5	5	5	5	5	5
12	6	6	6	6	6	6
14	7	7	7	7	7	7
16	8	8	8	8	8	8

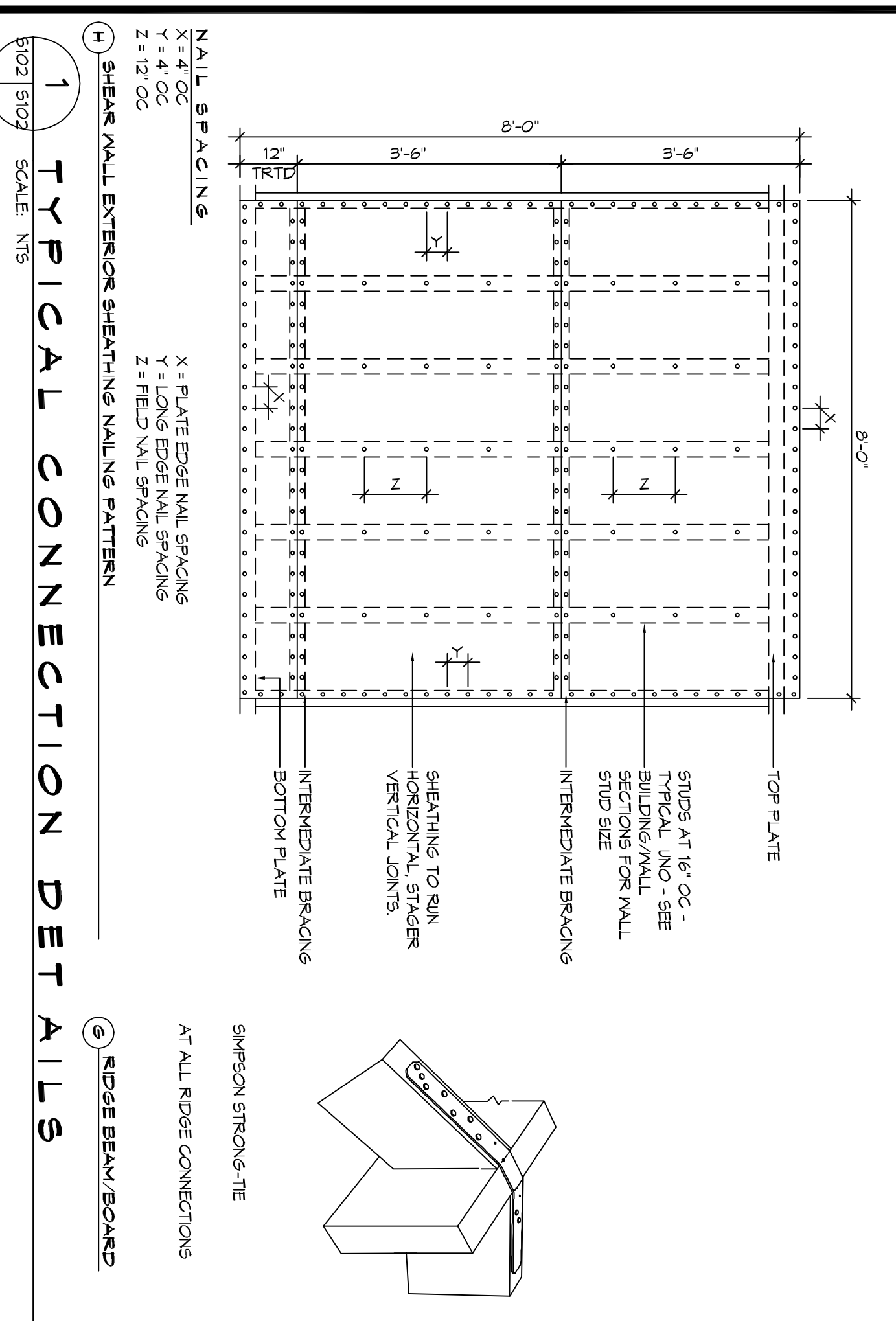


TABLE S102.5 - JACK STUD REQ. - INT LOAD-BEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)					
		12 FEET	24 FEET	36 FEET	48 FEET	60 FEET	72 FEET
ONE FLOOR ONLY (CENTER BEARING)	2	1	1	1	1	1	1
	4	1	1	1	1	1	1
	6	1	1	1	1	1	1
	8	1	1	1	1	1	1
	10	1	1	1	1	1	1
	12	1	1	1	1	1	1
	14	2	2	2	2	2	2
	16	2	2	2	2	2	2
	18	2	2	2	2	2	2
	20	2	2	2	2	2	2
	22	2	2	2	2	2	2
	24	2	2	2	2	2	2
	26	2	2	2	2	2	2
	28	2	2	2	2	2	2
30	2	2	2	2	2	2	

TABLE S102.6 - JACK STUD REQ. - EXTERIOR LOAD-BEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF LIVE LOAD 20 PBF						GROUND SNOW LOAD 30 PBF					
		3'	4.5'	5'	6'	8'	9'	4.5'	5'	6'	8'	9'	
ROOF AND CEILING	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	2	2	2	2	2	2	2	2	2	2	2	2
	8	2	2	2	2	2	2	2	2	2	2	2	2
	10	3	3	3	3	3	3	3	3	3	3	3	3
	12	3	3	3	3	3	3	3	3	3	3	3	3
	14	4	4	4	4	4	4	4	4	4	4	4	4
	16	4	4	4	4	4	4	4	4	4	4	4	4
	18	5	5	5	5	5	5	5	5	5	5	5	5
	20	5	5	5	5	5	5	5	5	5	5	5	5
	22	5	5	5	5	5	5	5	5	5	5	5	5
	24	5	5	5	5	5	5	5	5	5	5	5	5
	26	5	5	5	5	5	5	5	5	5	5	5	5
	28	5	5	5	5	5	5	5	5	5	5	5	5

TABLE S102.3 - NAILING SCHEDULE

DESCRIPTION	NUMBER OF COMMON WALLS	NUMBER OF WALL FINISHES	SPACING
TOP PLATE TO TOP PLATE (FACE VALUED)	2-16d	2-16d	PER FOOT
TOP PLATE AT INTERSECTION (FACE)	4-16d	5-16d	JOINTS - EACH SIDE
STUD TO STUD (FACE VALUED)	2-16d	2-16d	24' O.C.
HEADER TO HEADER (FACE VALUED)	16d	16d	16' O.C. EDGES
TOP OR BOTTOM PLATE TO STUD (END)	SEE TABLE	SEE TABLE	PER STUD
BOTTOM PLATE TO BAND JOIST END	2-16d	2-16d	PER FOOT
JOIST OR BLOCKING			
WOOD STRUCTURAL PANELS	8d	10d	SEE TABLE S102.1
DIAGONAL BOARD SHEATHING	2-8d	2-10d	PER SUPPORT
1X6" OR WIDER	3-8d	3-10d	PER SUPPORT

TABLE S102.4 - BUILDINGS ENVELOPE REQUIREMENTS

OPaque ELEMENTS	INSULATION	MINIMUM R-VALUE
ROOFS	INSULATION ENTIRELY ABOVE DECK	R-20.0 c.l.
WALLS, ABOVE GRADE	METAL BUILDING	R-18
	METAL BUILDING	R-18
	WOOD-FRAMED AND OTHER	R-13.0
FLOORS	WOOD-FRAMED AND OTHER	R-13.0
SLAB-ON-GRADE	UNHEATED	F-0.750
OPaque DOORS	NON-SWINGING	U-0.700
	SWINGING	U-1.450
	NON-SWINGING	NR

ROOF UNDERLAYMENT NOTES

- FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (INTERSECTION SLOPE) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (INTERSECTION SLOPE) THE UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
 - LAYER A: A 1/4" THICK STRIP OF UNDERLAYMENT FELT SHALL BE APPLIED STARTING AT THE EAVE, FASTENED SUFFICIENTLY TO HOLD IN PLACE UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 14 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
 - FOR ROOF SLOPES OF GREATER UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
 - LAYER A: 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 FASTENED 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 100 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 ARE NOT LOCATED TO THE WALL STUD WITH WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.10.
 - WALL ASSEMBLY TO WALL ASSEMBLY:
 - STORY TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD: WHEN UPPER STORY WALL STUD IS NOT LOCATED DIRECTLY ABOVE LOWER WALL STUD, THE STUD SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.11.

TABLE S102.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - 130 MPH WIND LOAD EXP "C"

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

TABLE S102.2 - WALL SHEATHING OR CLADDING REQUIREMENT - 130 MPH WIND LOAD EXP "C"

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

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TOP PLATE TO TOP PLATE (FACE VALUED)	2-16d	2-16d	PER FOOT
TOP PLATE AT INTERSECTION (FACE)	4-16d	5-16d	JOINTS - EACH SIDE
STUD TO STUD (FACE VALUED)	2-16d	2-16d	24' O.C.
HEADER TO HEADER (FACE VALUED)	16d	16d	16' O.C. EDGES
TOP OR BOTTOM PLATE TO STUD (END)	SEE TABLE	SEE TABLE	PER STUD
BOTTOM PLATE TO BAND JOIST END	2-16d	2-16d	PER FOOT
JOIST OR BLOCKING			
WOOD STRUCTURAL PANELS	8d	10d	SEE TABLE S102.1
DIAGONAL BOARD SHEATHING	2-8d	2-10d	PER SUPPORT
1X6" OR WIDER	3-8d	3-10d	PER SUPPORT

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REVISIONS

#	DESCRIPTION	DATE

SCALE: NTS

NEW DINING ADDITION

SOUTHWEST

9154 PONTCHARTRAIN DR
SLIDELL, LA 70458

JOB No: 2354 DATE: 02-07-2019
DRAWN BY: DD/K/KK CHECKED BY: CD

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