

OVERHEAD GARAGE DOORS MUST MEET DASMA 115 MPH OR IRC 2018 REQUIRMENTS

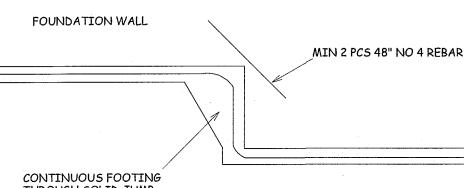
STUDS OVER 10-0 SHALL HAVE BLOCKING ALONG WALL MAX

TYP VAULT WITH STRAPS

USE LSTA24 RIDGE STRAPS ON ALL VAULTS AT RIDGE

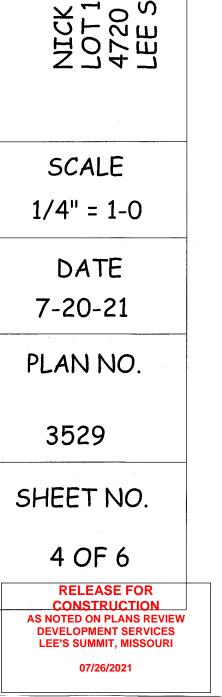






JOSEPH A. TOWNS P.E. MO. LIC E 22017

PROFESSIONAL SEAL APPLIES TO STRUCTURAL ELEMENTS ONLY



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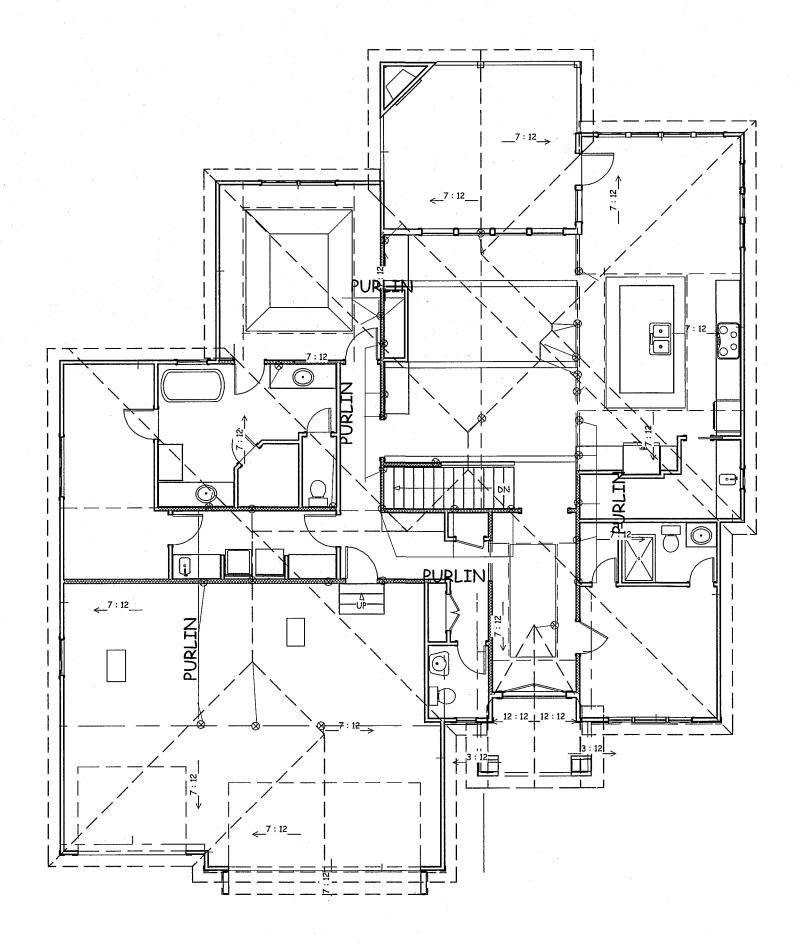
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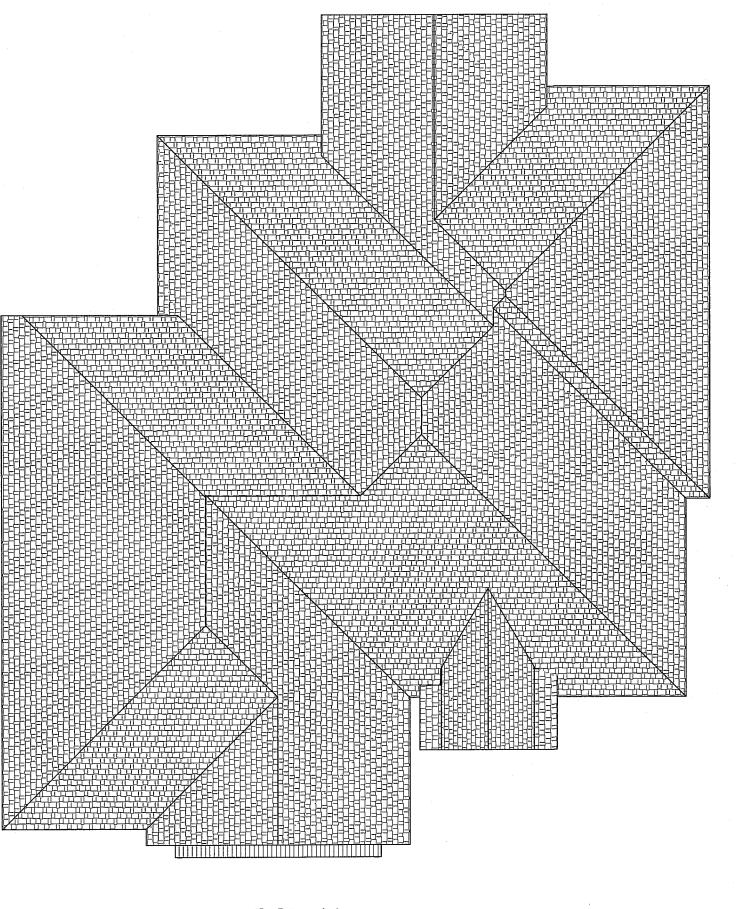
DIB INTERNATIONAL ESIDENTIAL CODE AN DCAL CODES.

BUTLI 2018 RESTI LOCA



PURLIN PLAN

1/8 = 1-0



ROOF PLAN 1/8" = 1-0 ROOF PITCHES 7/12

MAX. RAFTER SPAN 14-4

ALL RAFTERS 2 X 6 DF NO 2 @ 16" O.C UNLESS NOTED OTHERWISE ALL HIPS 2 X 8 DF NO 2 UNLESS NOTED OTHER WISE

BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.

EL CONSTRUCTION NTICELLO EEHOLD DR T MO

0

NICK ZV/ LOT 151 A 4720 NE LEE SUM

FRE

SCALE

1/4" = 1-0

DATE

7-20-21

PLAN NO.

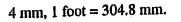
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SHEET NO.

JOSEPH A. TOWNS P.E. MO. LIC E 22017 PROFESSIONAL SEAL APPLIES TO STRUCTURAL ELEMENTS ONLY

5 OF 6 RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI

07/26/2021



FRONT ELEVATION

FIGURE R602.10.6.2 METHOD PFH-PORTAL FRAME WITH HOLD-DOWNS

BRACE WALL DETAILS WIND SPEED 115 MPH WIND EXPOSURE A SEISMIC DESIGN CAEGORY A

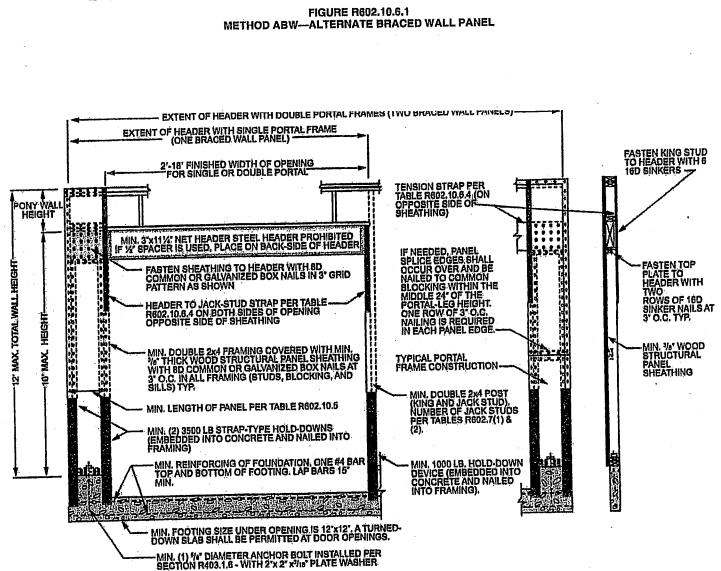


	FIGURE R602.10.6.1	
 	- 1 mmmal 4 mm mm a APN 187311	DANCI

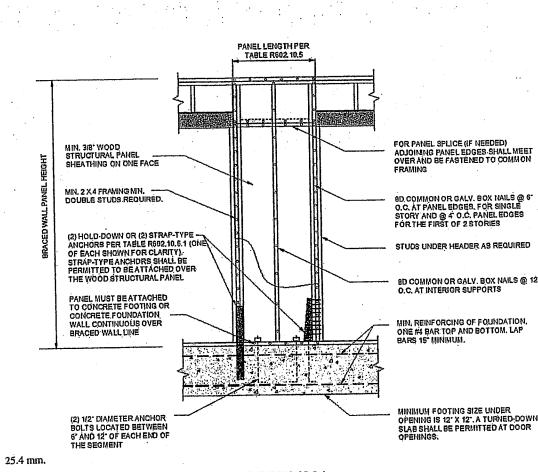


TABLE R802.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED

Method LIB^b

6.5

9.5

12.5

15.0

18.0

7.0

12.5

18.0

23.5

29.0

34.5

NP

NP

NP

NP

NP

.

Braced Wall Line Spacing* (feet)

20

30

40

50

60.

20

30

40

50

60

10

20

30

40

50

60

MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE'

Method **GB**

3.5

6,5

9.5

12.5

15.0

18.0

7.0

12.5

18.0

23.5

29.0

34.5

10.0

18.5

.27.0

35.0

43.0

51.0

DWB, W8P, 8FB, PB6, PCP, HP8, V-W8P, ABW, PFH PFC, C8-9FB

2.0

3.5

5.5

7.0

9.0

10.5

4.0

7.5

10.5

13.5

16.5

20.0

6.0

11.0

15.5

20.0

24.5

29.0

Methods CS-WSP, CS-G, CS-PF

2.0

3.5

4.5

6.0

7.5

9,0

3.5

6.5

9.0

11.5

14.0

17.0

5.0

9.0

13.0

17.0

21.0

25.0

EXPOSURE CATEGORY B SD-FOOT MEAN ROOF HEIGHT 10-FOOT WALL HEIGHT 2 BRACED WALL LINES

Story Location

 $\hat{\Box}$

Uitimate Design Win Speed (mph)

≤ 115

STORY AND @ 4 O.C. PANEL EDGES FOR THE FIRST OF 2 STORIES	
STUDS UNDER HEADER AS REQUIRED	•
8D COMMON OR GALV. BOX NAILS @ 12"	

SECTION

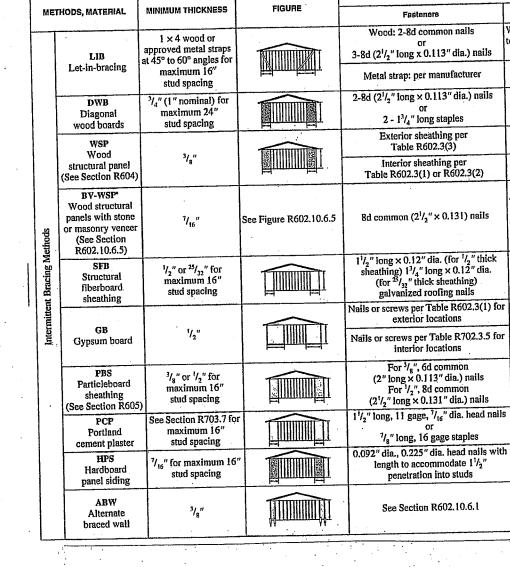


TABLE R602, 10.5 MINIMUM LENGTH OF BRACED WALL PANELS

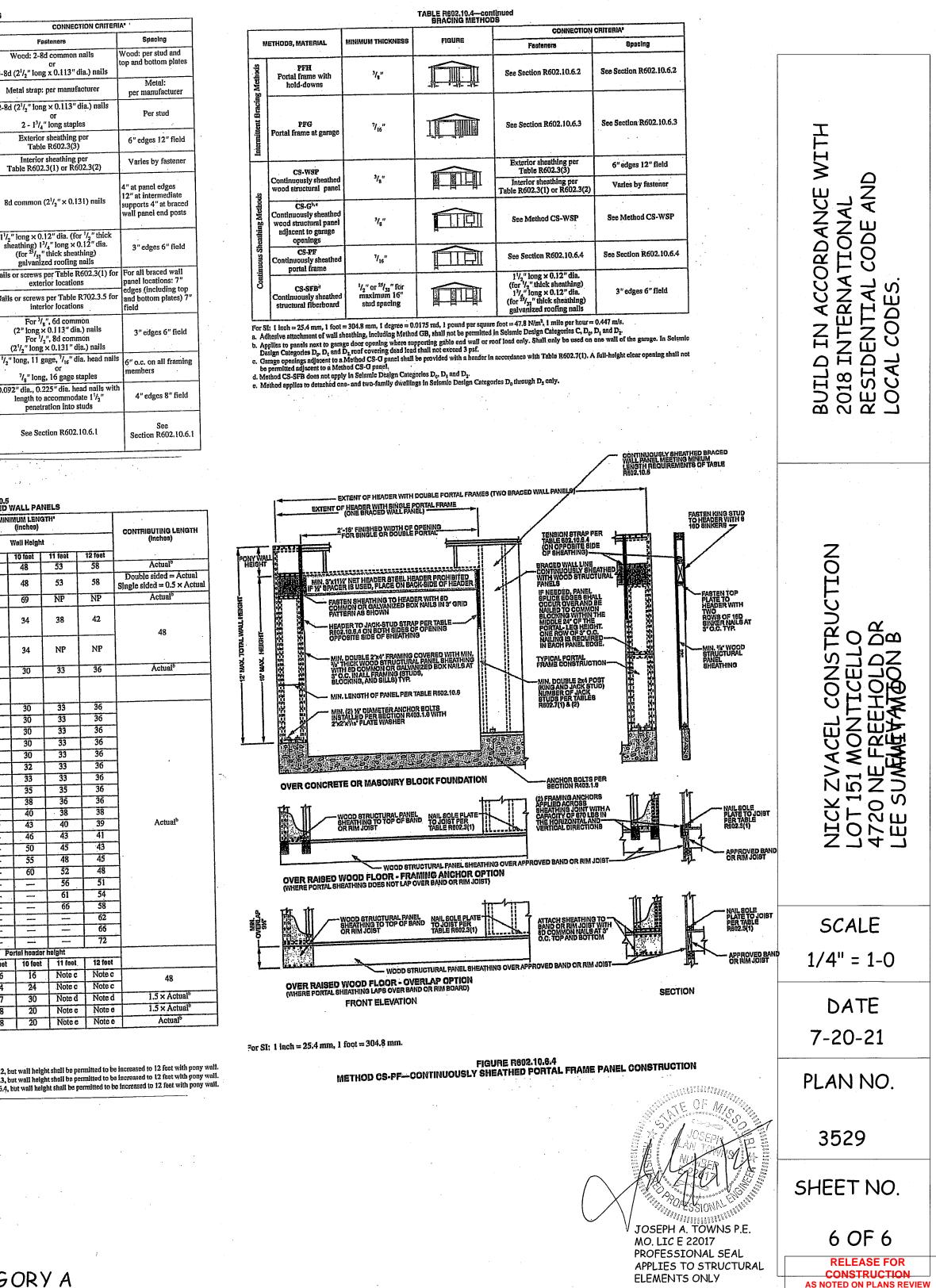
TABLE R602.10.4 BRACING METHODS

MINIMUM LENGTH OF BRACED WALL PAVELS MINIMUM LENGTH* (inches)						<u> </u>	
METHOD (See Table R602.10.4)			Wali Height				
		8 feet	9 feet	10 feet	11 feet	12	
DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP			48	48	53		
GB		48	48	48	53		
LIB		55	62	69	NP		
1	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38		
ABW	$\overline{SDC D_0}, \overline{D_1} \text{ and } \overline{D_2}, \text{ ultimate}$ design wind speed < 140 mph	32	32	34	NP		
CS-G		24	27	30	33		
	Adjacent clear opening height (inches)						
	≤ 64	24	27	30	33		
	68	26	27	30	33		
	72	27	27	30	33		
	76	30	29	30	33		
	80	32	30	30	33		
	84	35	32	32	33		
	88	38	35	33	33		
	92	43	37	35	35		
	96	48	41	38	36	ļ	
CS-WSP, CS-SFB	100	-	44	40	38	 	
	104		49	43	40		
	108		54	46	43	 	
	112			50	45		
	116			55	48	_	
	120			60	52	_	
	124			<u> </u>	56	┞	
	128			<u> </u>	61	┢	
	132	ļ			00	╀	
	136	<u> </u>		<u> </u>		┝	
	140	-				╀	
	144	<u> </u>		ortal header	height	1	
METHOD		8 feet	9 feet	10 feet	11 feet	Т	
(See Table R602,10.4) Supporting roof only		16	16	16	Note c	╈	
PFH	Supporting one story and roo		24	24	Note c	╈	
		24	27	30	Note d	+	
PFG SDC A, B and C		16	18	20	Note e	╉	
CS-PF	$\overline{SDC D_0, D_1 \text{ and } D_2}$	16	18	20	Note e	+	
L	$\frac{\text{SDC } D_0, D_1 \text{ and } D_2}{\text{foot} = 304.8 \text{ mm}, 1 \text{ mile per hour} = 1000 \text{ mm}}$						
For SI: 1 inch = 25.4 mm ,	1001 = 304.8 mm, 1 mme per nour =	0.441 1008	•				

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour

NP = Not Permitted. a. Linear interpolation shall be permitted.

b. Use the actual length where it is greater than or equal to the minimum length. b. Use the actual length where it is greater than or equal to the minimum length.
 c. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.6.2, but wall height shall be permitted to be increased to 12 feet with pony wall.
 d. Maximum header height for PFG is 10 feet in accordance with Figure R602.10.6.3, but wall height shall be permitted to be increased to 12 feet with pony wall.
 e. Maximum header height for CS-PF is 10 feet in accordance with Figure R602.10.6.4, but wall height shall be permitted to be increased to 12 feet with pony wall.



DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI

07/26/2021