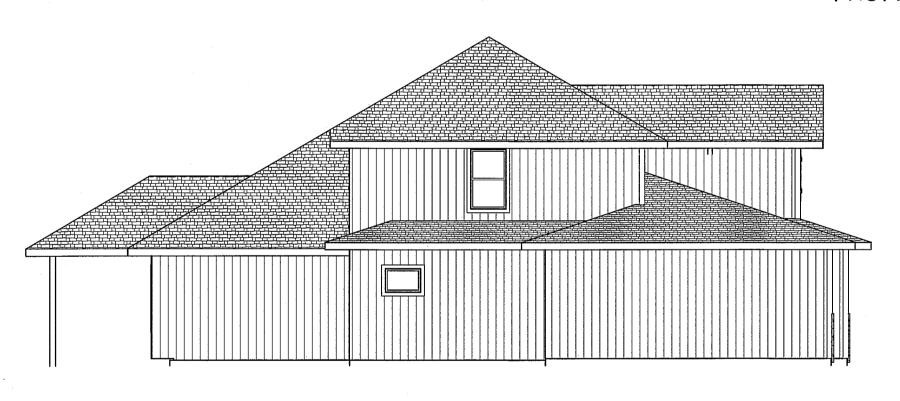
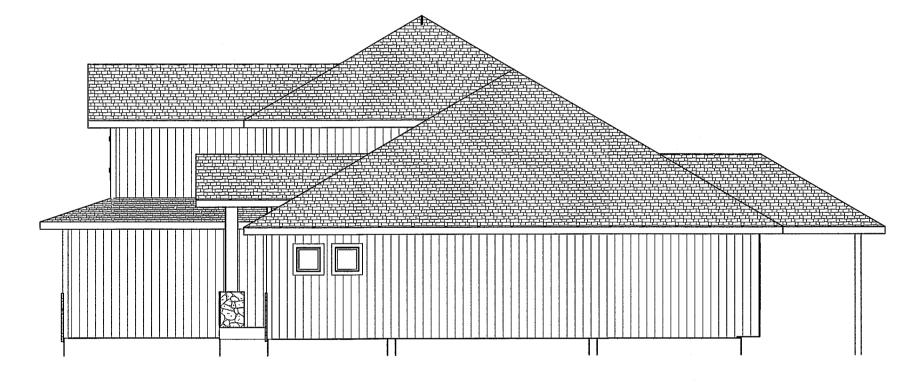


FRONT EL.

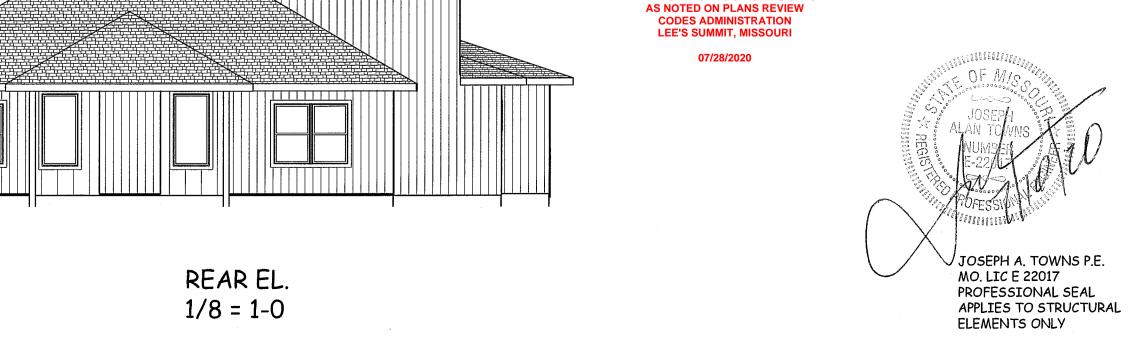


LEFT EL. 1/8 = 1-0



RIGHT EL. 1/8 = 1-0

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI



REAR EL. 1/8 = 1-0

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

NICK ZVACEK HOMES
ANDER SON III
LOT 70 SUMMIT VIEW FARMS
2300 SW CHASE CIR
LEE SUMMIT MO

SCALE 1/4" = 1-0

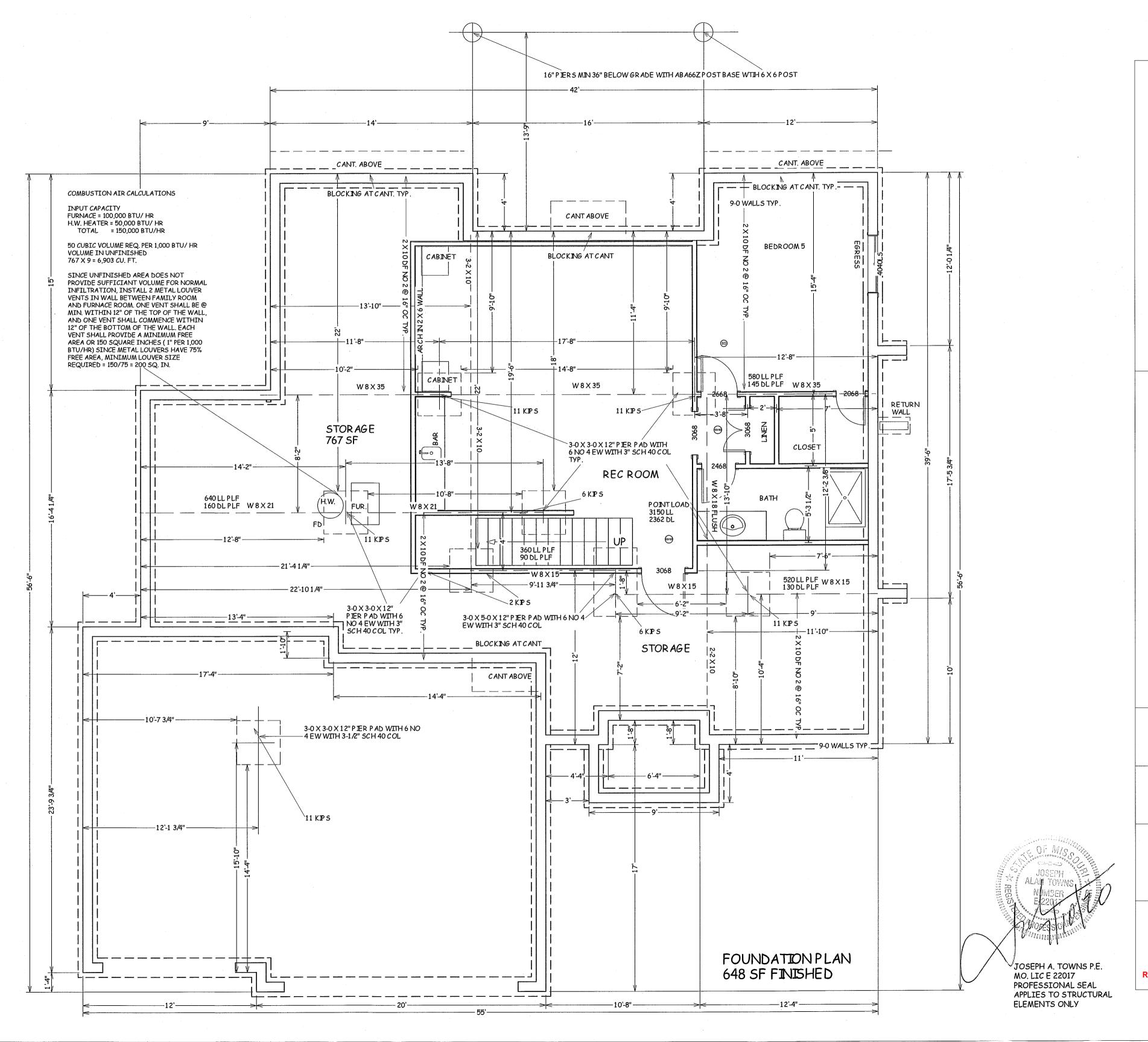
> DATE 7-10-20

PLAN NO.

3158

SHEET NO.

1 OF 6



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

NICK ZVACEK HOMES
ANDERSON III
LOT 70 SUMMIT VIEW FARMS
2300 SW CHASE CIR
LEE SUMMIT MO

SCALE 1/4" = 1-0

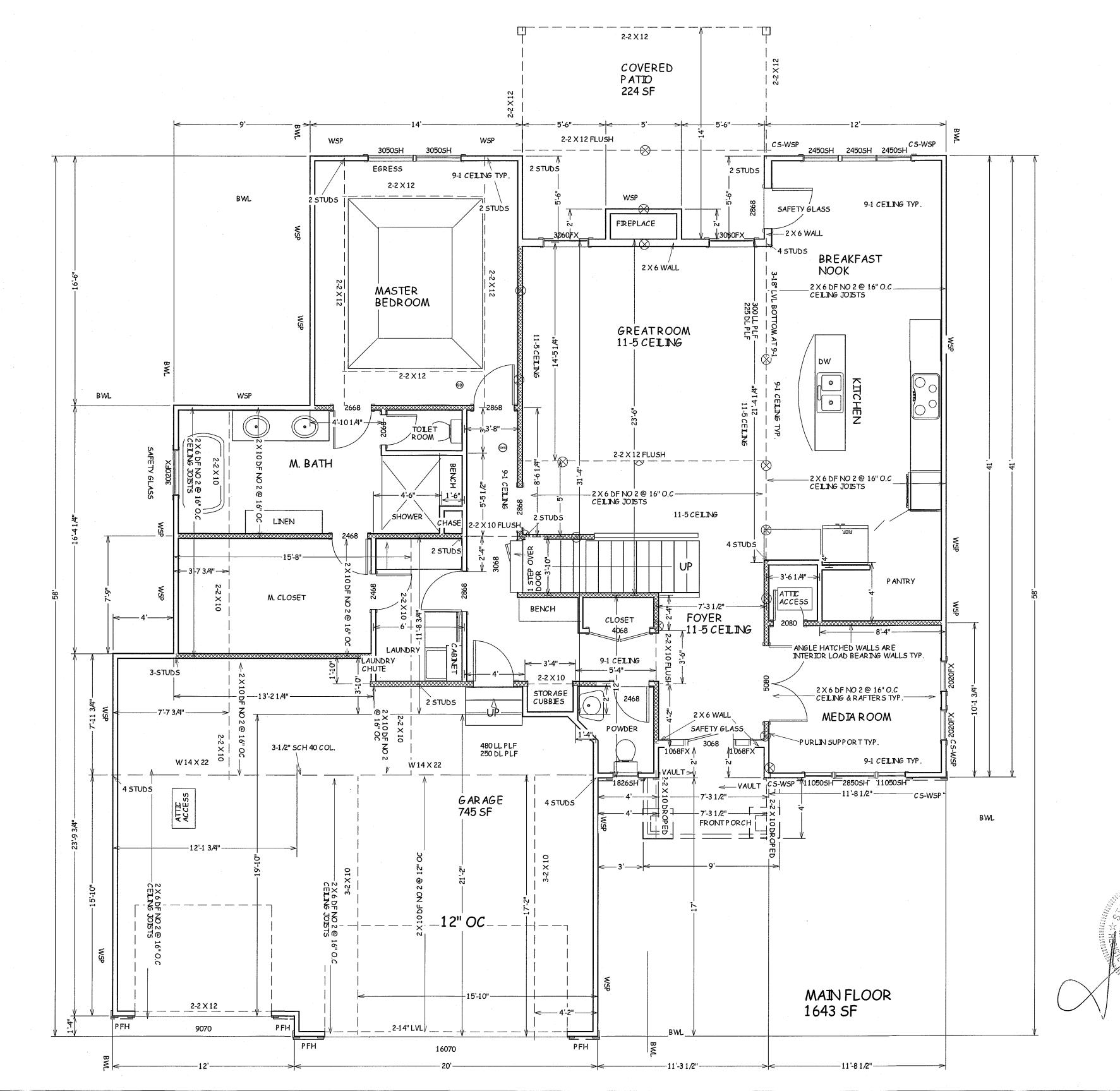
DATE 7-10-20

PLAN NO.

3158

SHEET NO.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI



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

NICK ZVACEK HOMES
ANDER SON III
T 70 SUMMIT VIEW FARMS
2300 SW CHASE CIR
LEE SUMMIT MO NEK NEK LOT

> SCALE 1/4" = 1-0

> > DATE 7-10-20

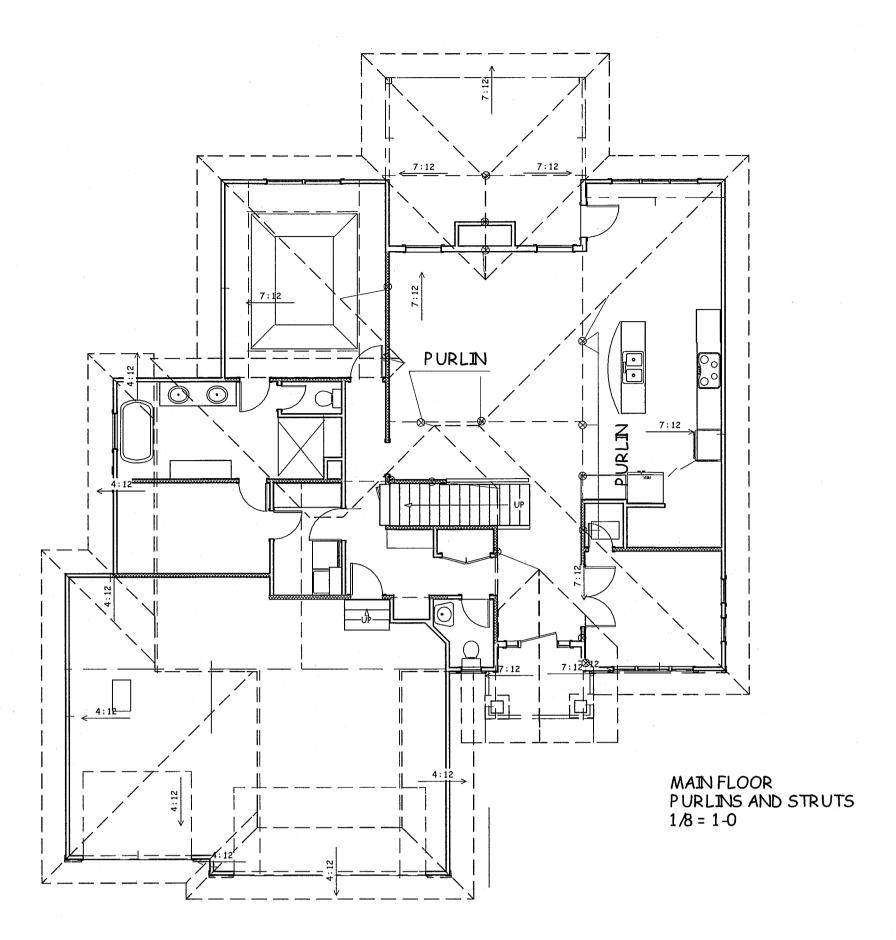
PLAN NO.

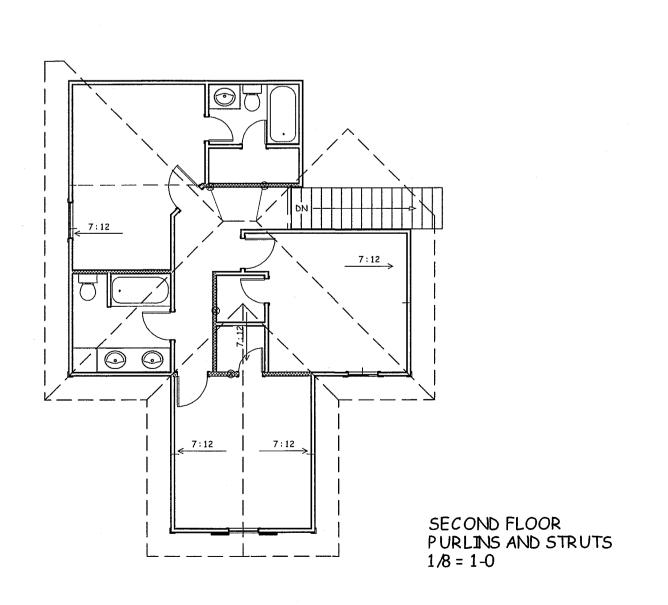
3158

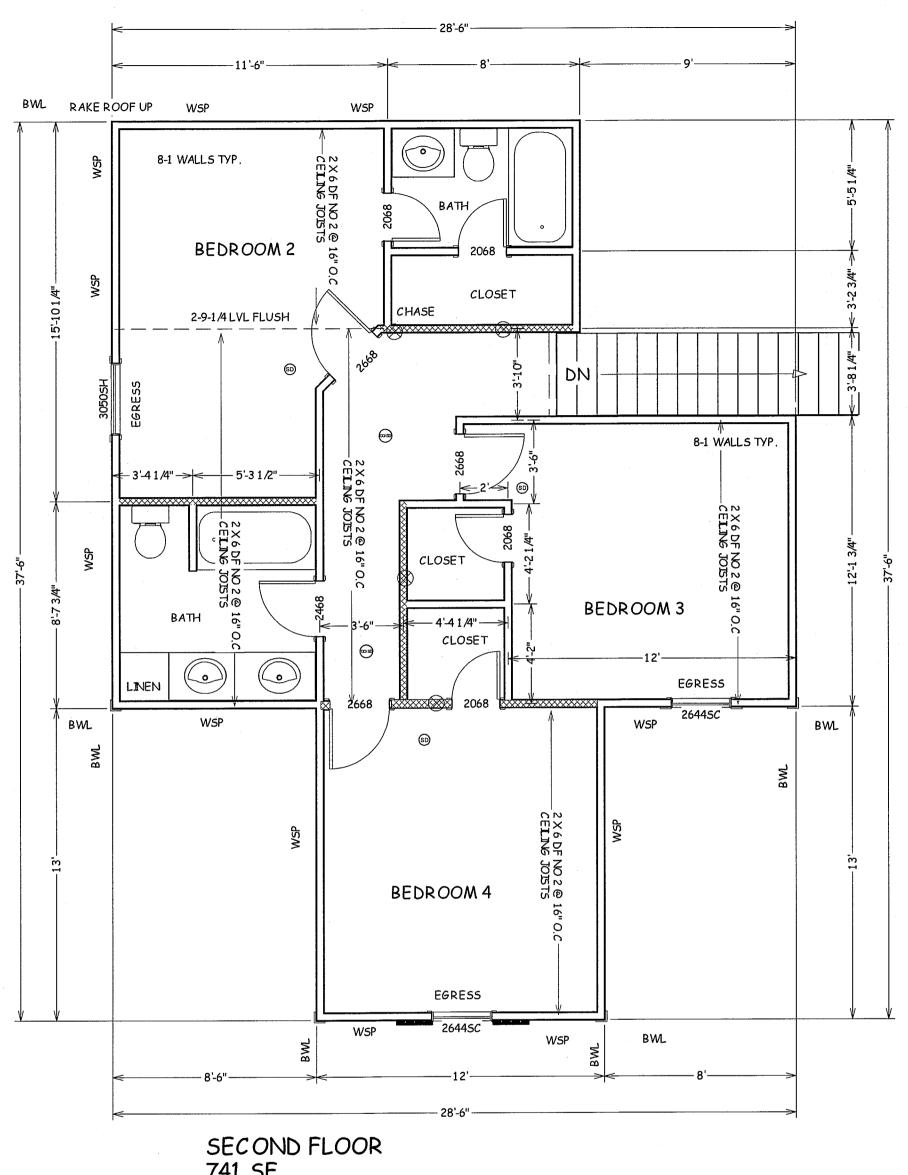
SHEET NO.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW LEE'S SUMMIT, MISSOURI

JOSEPH A. TOWNS P.E. MO. LIC E 22017 PROFESSIONAL SEAL APPLIES TO STRUCTURAL ELEMENTS ONLY 07/28/2020







SECOND FLOOR 741 SF

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

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

NICK ZVACEK HOMES
ANDERSON III
OT 70 SUMMIT VIEW FARMS
2300 SW CHASE CIR
LEE SUMMIT MO LOT

> SCALE 1/4" = 1-0

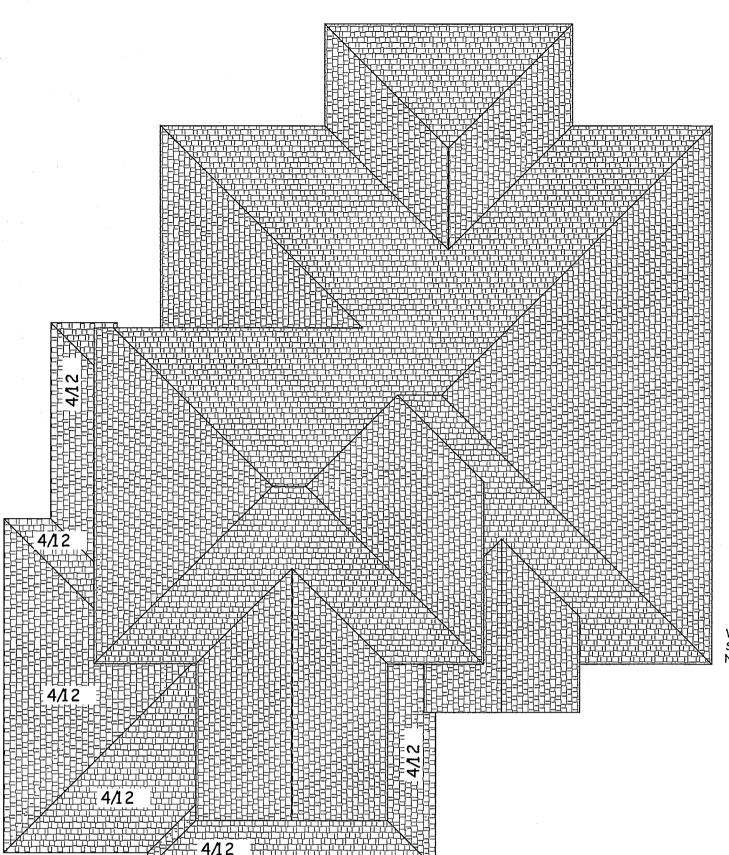
DATE 7-10-20

PLAN NO.

3158

SHEET NO.

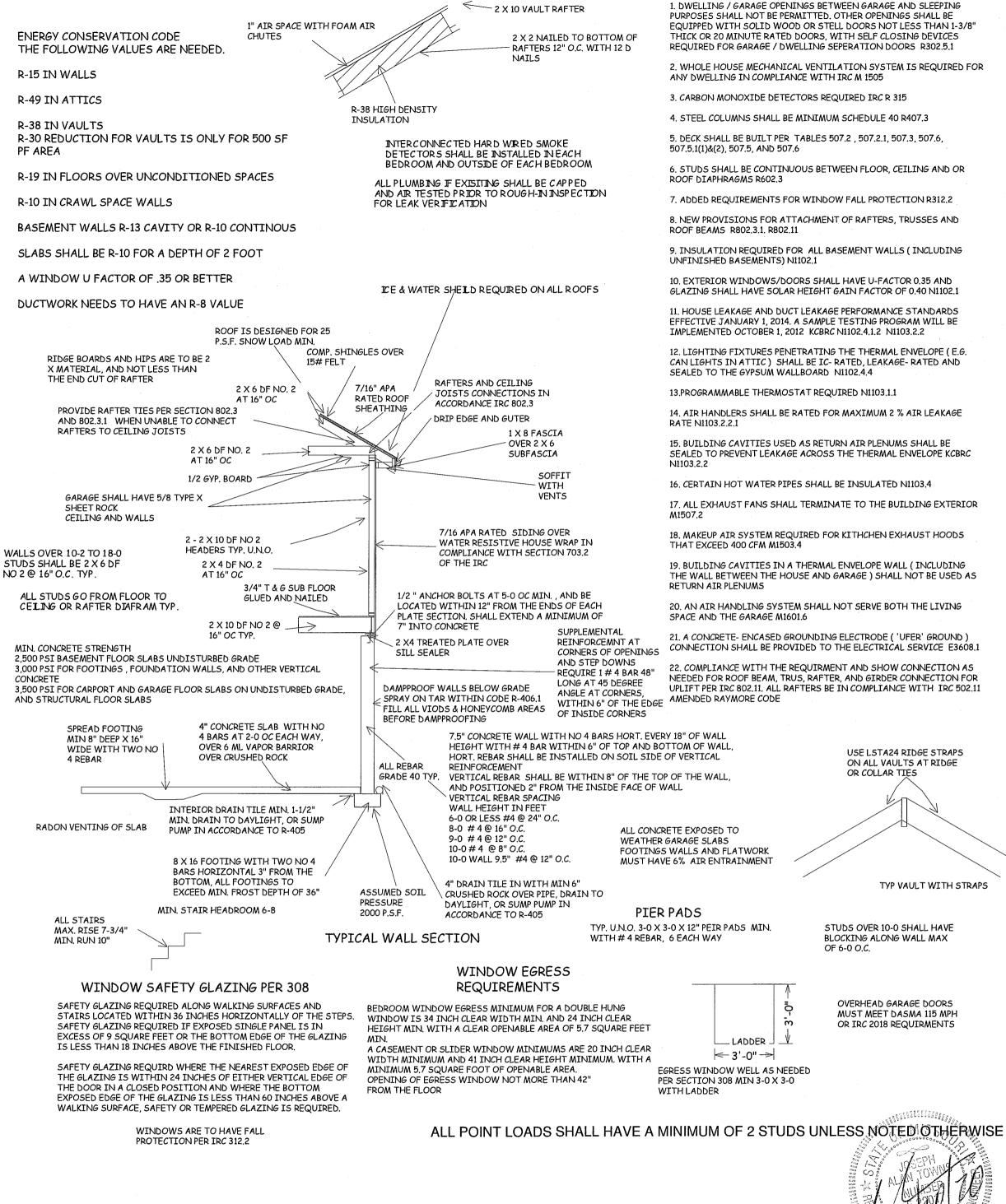
4 OF 6
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI



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

> RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP HIPS AND RIDGES 2 X 8 DF NO 2 TYP.

24" SOFFITS TYP.



VAULT INSULATION DETAIL

ANCE W CCORD

INTERNATIONAL IDENTIAL CODE AN AL CODES. SID BU1. 2018 J RESI LOCA

ANDER SON III

O SUMMIT VIEW FARM
2300 SW CHASE CIR
LEE SUMMIT MO 7 LOT

> SCALE 1/4" = 1-0

> > DATE 7-10-20

PLAN NO.

3158

SHEET NO.

ÌÓSEPH A. TOWNS P.E.

PROFESSIONAL SEAL APPLIES TO STRUCTURAL

MO. LIC E 22017

ELEMENTS ONLY

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

3158

SHEET NO.

6 OF 6

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION LEE'S SUMMIT, MISSOURI

8psclng

3" edges 6" fleld

See Section R602.10.6.2 Portal frame with hold-downs See Section R602.10.6.3 See Section R602.10.6.3 Exterior sheathing per Table R602.3(3) Interior sheathing per Table R602.3(1) or R602.3(2) 3/8" Varies by fastener See Method CS-WSP See Section R602.10.6.4 See Section R602.10.6.4 portal frame

1½" long × 0.12" dia. (for ½" thick sheathing) 1¾" long × 0.12" dia. (for ½"," thick sheathing) galvanized roofing nails

For Sl: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 degree = 0.0175 md, 1 pound per square foot = 47.8 N/m³, 1 mile per hour = 0.447 m/s.

a. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Selsmic Design Categories C, D₀, D₁ and D₂.

b. Appiles to panels next to garage door opening where supporting gable end wall or roof load only. Shall only be used on one wall of the garage. In Selsmic Design Categories D₀, D₁ and D₂, roof covering dead load shall not exceed 3 psf.

c. Garage openings adjacent to a Method CS-G panel; where supported with a header in accordance with Table R602.7(1). A full-height clear opening shall not be permitted adjacent to a Method CS-G panel;

d. Method CS-SFB does not apply in Selsmic Design Categories D₀, D₁ and D₂.

e. Method applies to detached one- and two-family dwellings in Selsmic Design Categories D₀ through D₂ only.

TABLE R602.10.4 BRACING METHODS											
				CONNECTION CRITERIA*							
ME	THODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Spacing						
<u>-</u>	LIB	1 × 4 wood or approved metal straps			Wood: per stud and op and bottom plates						
Intermittent Bracing Methods	Let-in-bracing	at 45° to 60° angles for maximum 16" stud spacing		Metal strap: per manufacturer	Metal: per manufacturer						
	DWB Diagonal wood boards	7," (1" nominal) for maximum 24" stud spacing		2-8d (2 ¹ / ₂ " long × 0.113" dia.) nails or 2 - 1 ³ / ₄ " long staples	Per stud						
	WSP Wood structural panel (See Section R604)	3/8"	Telephonologi I	Exterior sheathing per Table R602.3(3)	6" edges 12" field						
				Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener						
	BV-WSP Wood structural panels with stone or masonry veneer (See Section R602, 10.6.5)	7/ ₁₆ "	See Figure R602.10.6.5	8d common $(2^{1}l_{2}^{"} \times 0.131)$ nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts						
	SFB Structural fiberboard sheathing	1/2" or 25/32" for maximum 16" stud spacing		1 ¹ / ₂ " long × 0.12" dia. (for ¹ / ₂ " thick sheathing) 1 ³ / ₂ " long × 0.12" dia. (for ²⁵ / ₃₁ " thick sheathing) galvanized roofing nalls	3" edges 6" field						
	GB Gypsum board	1/2"		Nails or screws per Table R602.3(1) for exterior locations Nails or screws per Table R702.3.5 for interior locations	For all braced wall panel locations: 7" edges (including top and bottom plates) 7" field						
	PBS Particleboard sheathing (See Section R605	³ / _g " or ¹ / ₂ " for maximum 16" stud spacing		For ½, 6d common (2" long × 0.113" dia.) nalls For ½, 8d common (2½, long × 0.131" dia.) nalls	3" edges 6" field						
	PCP Portland cement plaster	See Section R703.7 for maximum 16" stud spacing		$1\frac{1}{2}$ " long, 11 gage, $\frac{7}{1_6}$ " dia. head nails or $\frac{7}{1_8}$ " long, 16 gage staples	6" o.c. on all framing members						
	HPS Hardboard panel siding	7/16" for maximum 16' stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate 1½" penetration into studs	4" edges 8" field						
	ABW Alternate braced wall	3/8"		See Section R602.10.6.1	See Section R602.10.6.						

	MINIMUM LENGTH' (Inches)					CONTRIBUTING LENGTH (Inches)		
METHOD (See Table R602.10.4)			Wali Helght .					
		8 feet	9 feet	10 feet	11 feet 53	12 feat 58	Actual ^b	
DWB, WSP, SFB, PB	S, PCP, HPS, BV-WSP	48	48	48			Double sided = Actual	
GB LIB		48	48	48	53	58	Single sided = 0.5 × Actual	
		55	62	69	NP	NP	Actual ⁶	
	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48	
ABW	SDC D ₀ , D ₁ and D ₂ , ultimate design wind speed < 140 mph	32	32	34	NP	NP		
	S-G	24	27	30	33	36	Actual	
	Adjacent clear opening height (inches)							
	≤ 64	24	27	30	33	36 36	İ	
	68	26	27	30	33	36	4	
	72	27	27	30	33	36		
	76 .	30	29 30	30	33	36		
	80	32	30	30	33	36		
	84	35	32	33	33	36		
	88	38	35	35	35	36		
	92	43	41	38	36	36		
	96	48	44	40	38	38	-	
CS-WSP, CS-SFB	100		49	43	40	39	Actual ^b	
	108	-	54	46	43	41		
	112			50	45	43	-	
	116	<u> </u>		55	48	45	1 ·	
	120	1		60	52	48	7	
	124	-	+=		56	51		
	128	+=	+=		61	54		
	132		 =		66	58		
	136	-				62]	
	140	 -	1-			66		
	144					72		
	ETHOD			Portal head			_	
(See Ta	ble R602,10.4)	8 feet		_1		12 fee		
PFH	Supporting roof only	16	16	16	Note c		40	
rrn	Supporting one story and roa	of 24	24	24	Note d			
	PFG	24	27	30				
CS-PF	SDC A, B and C	16	18	20	Note e			
	SDC D ₀ , D ₁ and D ₂	16	18	20	Motes	14010	123.00	
= Not Permitted. Linear interpolation shall Use the actual length who	foot = 304.8 mm, 1 mile per hour be permitted. ere it is greater than or equal to the for PFH is 10 feet in accordance wi for PFG is 10 feet in accordance wi	minimum l	ength.	but wall be	ioht shall be o	ermitted to	ne increased to 12 feet with pony	

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

	25.4 mm.									
	FIGURE R602.10.6.1									
METHOD ABWALTERNATE BRACED WALL PANEL										
		•								
	EXTENT OF HEADER WITH DOUBLE PORTAL PRAMES (1 WO BRACED WALL PARELS)									
	EXTENT OF HEADER WITH SINGLE PORTAL FRAME (ONE BRACED WALL PANEL)									
	(ONE BRACED WALL FAREL)	FASTEN KING STUD								
	2'-18' FINISHED WIDTH OF OPENING	FASTEN KING STUD TO HEADER WITH 6 16D SINKERS								
	FOR SINGLE OR DOUBLE PORTAGE									
1	11 11 TABLE R602, 10.8-4 (ON] /								
PONY WALL HEIGHT	OPPOSITE SIDE OF SHEATHING)									
HEIGH	becare the first	A								
	MIN. 3-x11/2 NET HEADER STEEL HEADER PROHIBITED 計画 THE NET STEEL HEADER PROHIBITED HE NET STEEL HE	V								
1										
第 ·		FASTEN TOP								
Ĕ	COMMON OR GALVANIZED BOX NAILS IN 3" GRID NAILED TO COMMON PATTERN AS SHOWN BLOCKING WITHIN THE	HEADER WITH								
3	PATTERN AS SHOWN BLOCKING WITHIN THE MIDDLE 24' OF THE MEDLE 24' OF THE PRIVAL-LEO HEIGHT	ROWS OF 18D SINKER NAILS AT								
% <u>1</u>	R802 10.8.4 ON BOTH SIDES OF OPENING ONE ROW OF 3 O.G. OPENING NAILING IS REQUIRED	3" O.C. TYP.								
12' MAX, TOTAL WALL HEIGHT: IO' MAX, HEIGHT	FASTEN SHEATHING TO HEADER WITH 8D COMMON OR GALVANIZED BOX NAILS IN 3' GRID COMMON OR GALVANIZED BOX NAILS IN 3' GRID PATTERN AS SHOWN HEADER TO JACK-STUD STRAP PER TABLE—MIDILE 24' OF THE PORTAL-LEG HEIGHT. GROZ, 10.8.4 ON BOTH SIDES OF OPENING OPPOSITE SIDE OF SHEATHING OPPOSITE SIDE OF SHEATHING WITH BD COMMON OR GALVANIZED BOX NAILS AT THICK WOOD STRUCTURAL PANEL SHEATHING WITH BD COMMON OR GALVANIZED BOX NAILS AT STRUCTURAL PANEL SHEATHING WITH BD COMMON OR GALVANIZED BOX NAILS AT STRUCTURAL PANEL SHEATHING FRAME CONSTRUCTION WITH BD COMMON OR GALVANIZED BOX NAILS AT STRUCTURAL PANEL SHEATHING STRUCT	_]								
₽ ≖	AND DOUBLE 2/4 FRAMING COVERED WITH MIN.	MIN. 1/6' WOOD STRUCTURAL								
IZ" MAX. IO" MAX.	IN TYPICAL PORTAL REPORTED TO THE PROPERTY OF	I PANEL								
2 6	WITH BD COMMON OR GALVANIZED BOX NAILS AT FRAME CONSTRUCTION 3° O.C. IN ALL FRAMING (BTUDS, BLOCKING, AND BULLEN TYP.	SHEATHING								
T T	MIN. DOUBLE 2x4 POST									
	MIN. LENGTH OF PANEL PER TABLE R802.10.6 (KING AND JACK STUD). NUMBER OF JACK STUDS									
1 1	PER TABLES REUZ:/(1) & PER TABLES REUZ:/(1) &									
1 1	(EMBEDDED INTO CONCRETE AND MAILED INTO	i								
1 1	FRAMING)	卓								
↓ ↓	MIN. REINFORCING OF FOUNDATION, GNE #4 BAR 15" MIN. 1000 LB. HOLD-DOWN TOP AND BOTTOM OF FOOTING: LAP BARS 15" MIN. 1000 LB. HOLD-DOWN TOP AND BOTTOM OF FOOTING: LAP BARS 15" CONCRETE E AND NAILED									
	CONCRETE AND NAILED INTO FRAMING).									
	MIN. FOOTING SIZE UNDER OPENING IS 12'X12'. A TURNED- DOWN SLAB SHALL BE PERMITTED AT DOOR OPENINGS.	•								
	MIN. (1) 'W' DIAMETER ANCHOR BOLT INSTALLED PER SECTION R403.1.8 - WITH 2'x 2' x'1s' PLATE WASHER									

DWB, WAP, 8FB, PBS, PCP, HPB, BV-WBP, ABW, PFH, PFC, CS-SFB

3,5

10.5

20.0

24.5

3.5

4.5

7.5

9.0

6.5

9.0

14.0

17.0

9.0

17.0

21.0

Mathod QB

9.5

12.5

18.0

23.5

34.5

27.0

35.0 43.0

12.5

15.0

12.5

18.0

23.5

29.0

34.5

NP

raced Wall Lin Spacing* (feet)

20

40

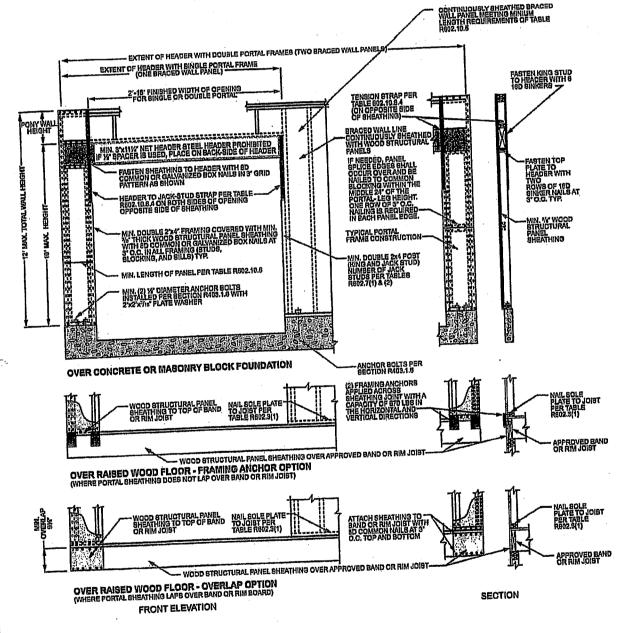
(2) 112 DIAMETER ANCHOR BOLTS LOCATED BETWEEN 6' AND 12' OF EACH END OF THE SEGMENT

FRONT ELEVATION

4 mm, 1 foot = 304.8 mm.

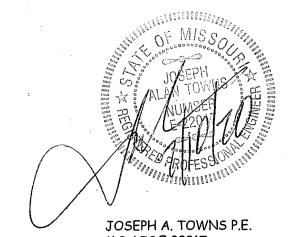
FIGURE R602.10.6.2 METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

SECTION



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

Figure R802.10.6.4
METHOD CS-PF--CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION



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