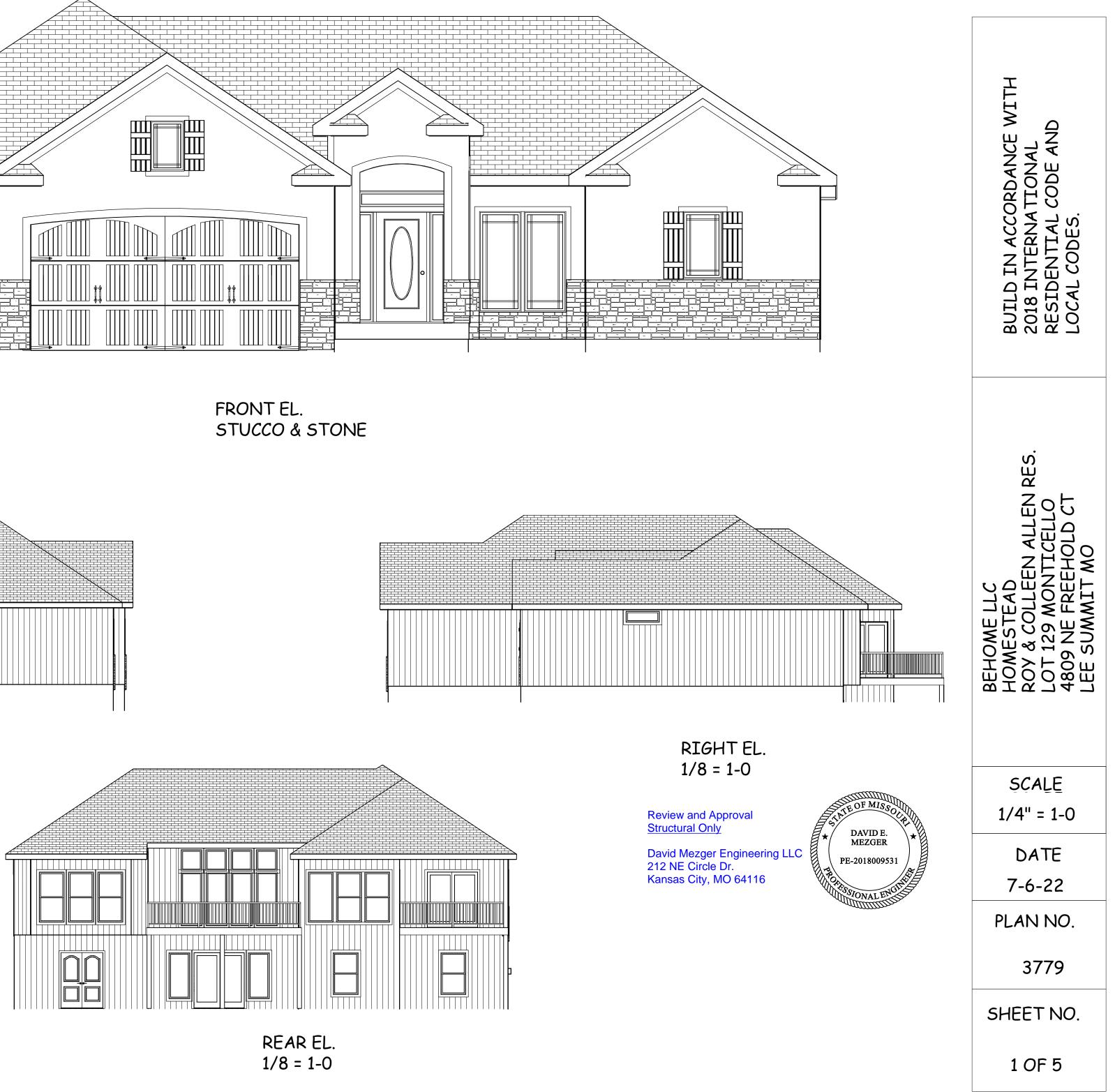
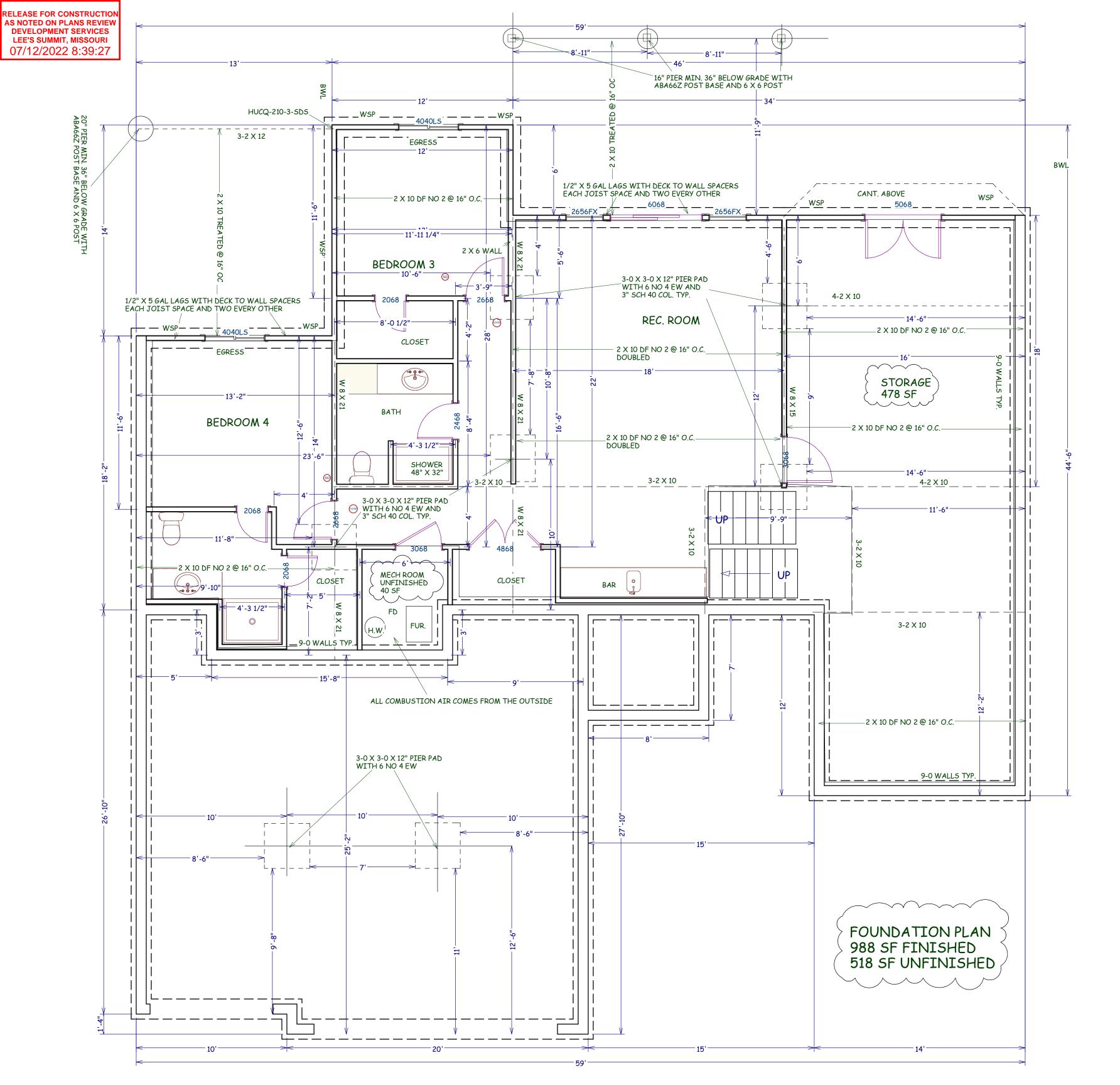


LEFT EL. 1/8 = 1-0

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 07/12/2022 8:39:25



LP PANEL SIDING 3 SIDES

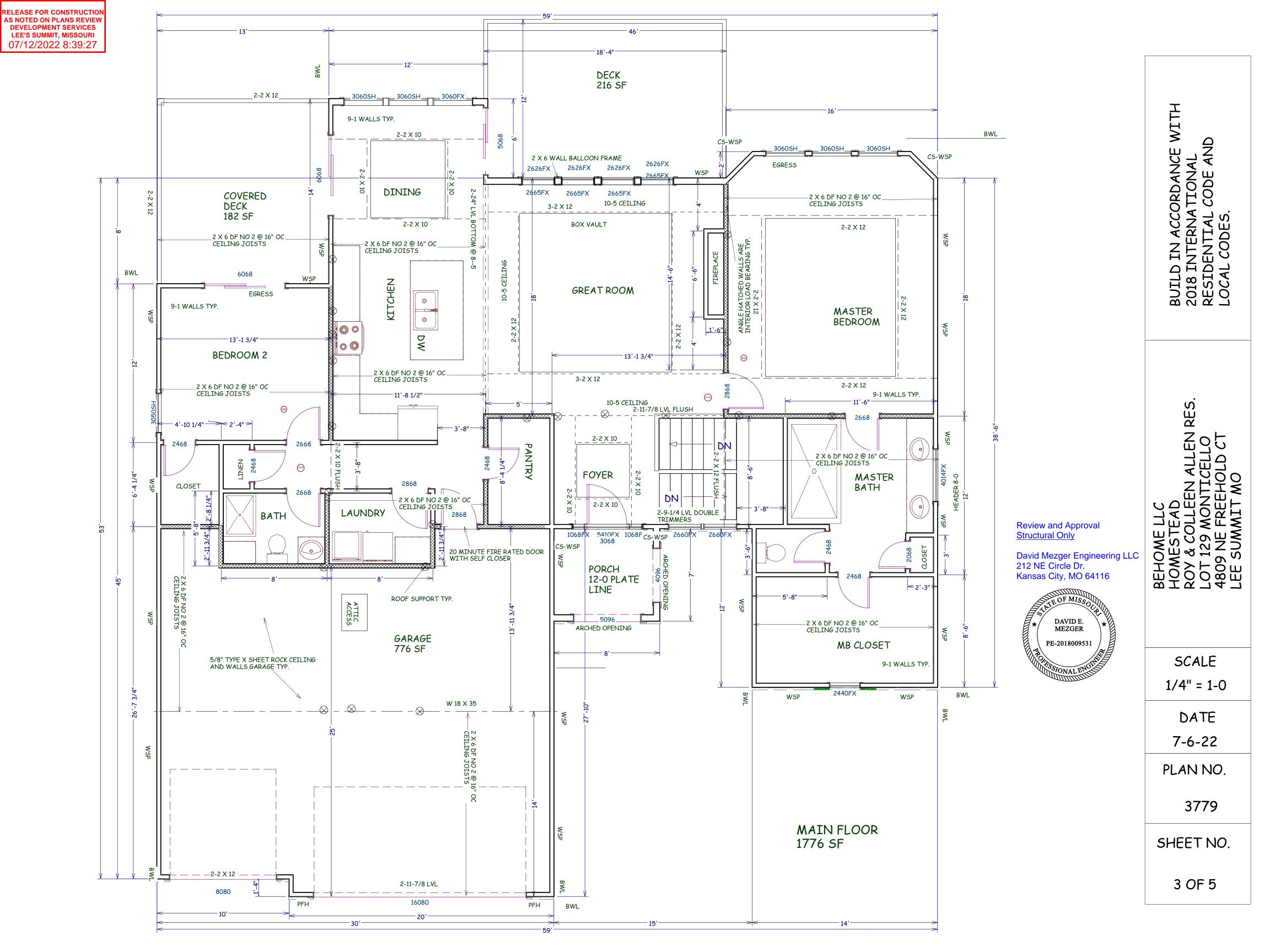


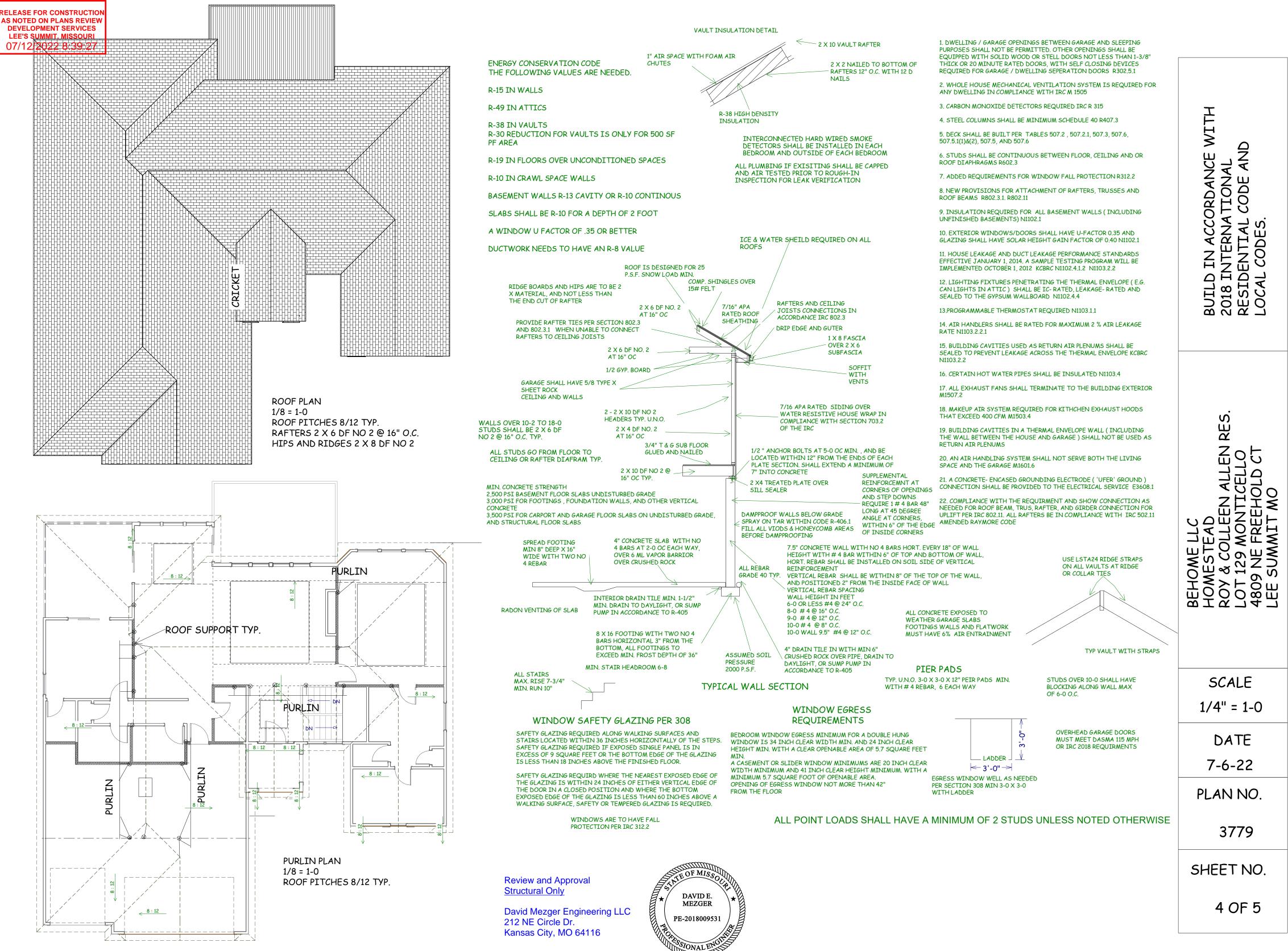
	BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.			
Approval Dnly ger Engineering LLC cle Dr. 7, MO 64116	BEHOME LLC HOMESTEAD ROY & COLLEEN ALLEN RES. LOT 129 MONTICELLO 4809 NE FREEHOLD CT LEE SUMMIT MO			
NALENGING	SCALE 1/4" = 1-0			
	DATE			
	7-6-22			
	PLAN NO.			
	3779			
	SHEET NO.			
	2 OF 5			

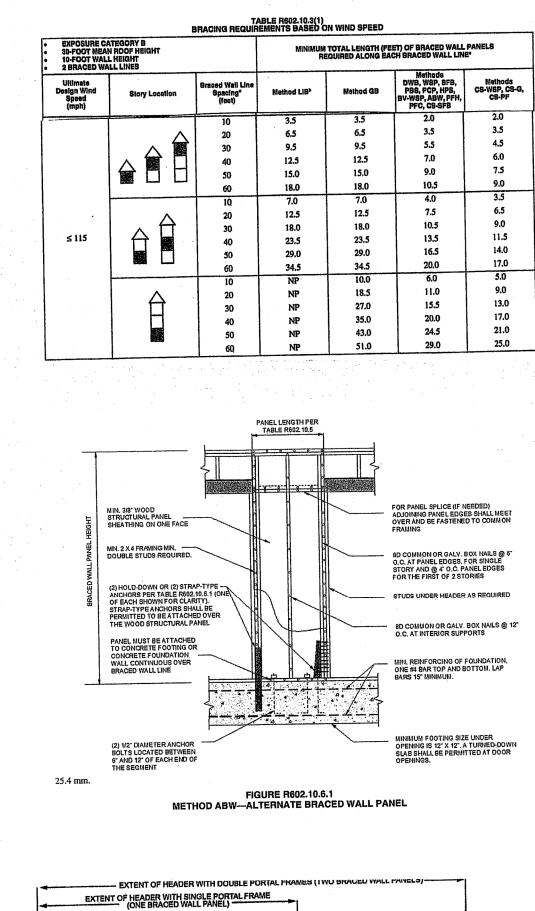


David Mezg 212 NE Circ Kansas City









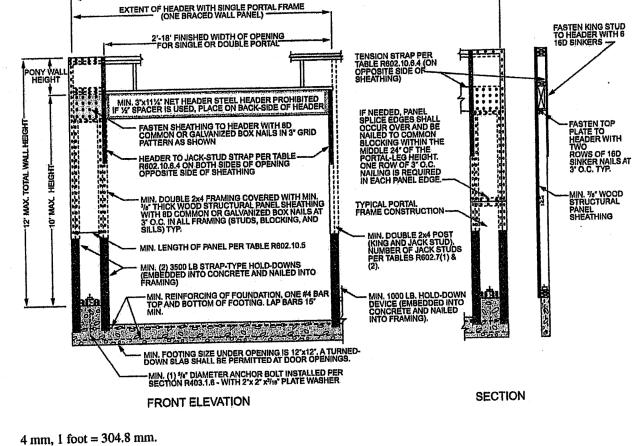


FIGURE R602.10.6.2

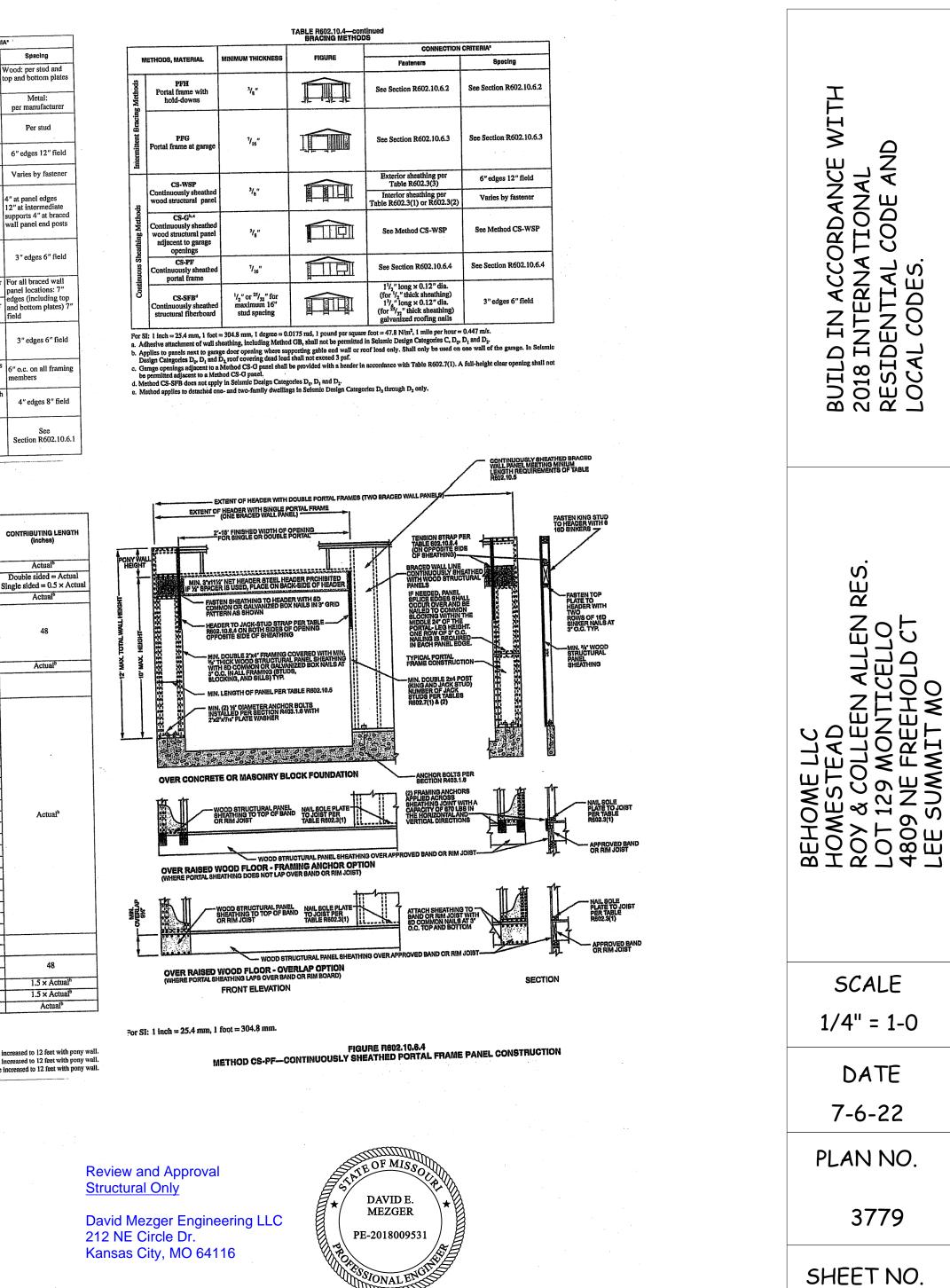
METHOD PFH-PORTAL FRAME WITH HOLD-DOWNS

				TABLE R602.10 BRACING METHO				
				T	CONNECTION CRITERIA			
METHODS, MATERIAL		IODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	_		
		LIB	1×4 wood or approved metal straps at 45° to 60° angles for	NUMBER	WOOd. 2-00 Common mans	W to		
		Let-in-bracing	maximum 16" stud spacing		Metal strap: per manufacturer			
		DWB Diagonal wood boards	³ / ₄ " (1" nominal) for maximum 24" stud spacing		2-8d $(2^{1}/_{2}^{n} \log \times 0.113^{n} \text{ dia.})$ nails or 2 - $1^{3}/_{4}^{n} \log \text{ staples}$			
	F	WSP			Exterior sheathing per Table R602.3(3)			
		Wood structural panel (See Section R604)	³ / ₈ "		Interior sheathing per Table R602.3(1) or R602.3(2)			
Intermittent Bracing Methods		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 / ₂ " × 0.131) nails	4 1 5 1		
		SFB Structural fiberboard sheathing	¹ / ₂ " or ²⁵ / ₃₂ " for maximum 16" stud spacing		$1^{1}/_{2}$ " long × 0.12" dia. (for $1^{1}/_{2}$ " thick sheathing) $1^{3}/_{4}$ " long × 0.12" dia. (for $2^{2}/_{32}$ " thick sheathing) galvanized roofing nails			
	mitten				Nails or screws per Table R602.3(1) for exterior locations			
Inter	Inter	GB Gypsum board	1/2"		Nails or screws per Table R702.3.5 for interior locations			
		PBS Particleboard sheathing (See Section R605	³ / ₈ " or ¹ / ₂ " för maximum 16" stud spacing		For ${}^{3}l_{g}$ ", 6d common (2" long × 0.113" dia.) nails For ${}^{1}l_{2}$ ", 8d common (2" l_{2} " long × 0.131" dia.) nails			
		PCP Portland cement plaster	See Section R703.7 for maximum 16" stud spacing		$1^{1}/_{2}$ " long, 11 gage, $7^{1}/_{16}$ " dia. head nails or $7^{1}/_{8}$ " long, 16 gage staples			
		HPS Hardboard panel siding	⁷ / ₁₆ " for maximum 16" stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate 1 ¹ / ₂ " penetration into studs	۱ 		
		ABW Alternate braced wall	³ / ₈ "		See Section R602.10.6.1			

	MINIMUM LENGTH OF BRACED WALL PANELS MINIMUM LENGTH' (Inches)						
METHOD (See Table R602.10.4)			Wall Height				
,		8 feet	9 feet	10 feet	11 feet	12 feet	1_
DWB, WSP, SFB, P	BS, PCP, HPS, BV-WSP	48	48	48	53	58	
	GB	48	48	48	53	58	S
	LIB	55	62	69	NP	NP	1_
1	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	
ABW	$\frac{1}{\text{SDC } D_0, D_1 \text{ and } D_2, \text{ ultimate}}$ design wind speed < 140 mph	32	32	34	NP	NP	
	CS-G	24	27	30	33	36	
	Adjacent clear opening height (inches)						
	≤ 64	24	27	30	33	36	
	68	26	27	30	33	36	
	72	27	27	30	33	36	
	76	30	29	30	33	36	
	80	32	30	30	33	36	_
	84	35	32	32	33	36	
	88	38	35	33	33	36	_
	92	43	37	35	35	36	_
	96	48	41	38	36	36 38	_
CS-WSP, CS-SFB	100		44	40	38	39	4
	104		49	43	40	41	_
	108		54		45	41	-
	112			50	43	45	
	116			60	52	48	-
	120	<u> </u>		00	56	51	-
	124	+			61	54	-
	128	<u> </u>	+		66	58	-
	132	+				62	-
	136			<u> </u>		66	-
	140				<u> </u>	72	-
	AETHOD	+		Portal heads	er height	J	+
	able R602,10.4)	8 feet	9 feet	10 fee	11 feet	12 fee	1
(000 1	Supporting roof only	16	16	16	Note c	Note	2
PFH	Supporting one story and roo	f 24	24	24	Note c	Note	_
	PFG	24	27	30	Note d	Note	_
	SDC A, B and C	16	18	20	Note e	Note	
CS-PF	SDC D ₀ , D ₁ and D ₂	16	18	20	Note e	Note	e

For Sit 1 the 1 = 25.4 thin, 1 the 1 = 56.6 min, 1 the per war to be a set of the permitted.
a. Linear interpolation shall be permitted.
b. Use the actual length where it is greater than or equal to the minimum length.
c. Maximum header height for PFIs 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.
d. Maximum header height for PFG 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.
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.

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



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