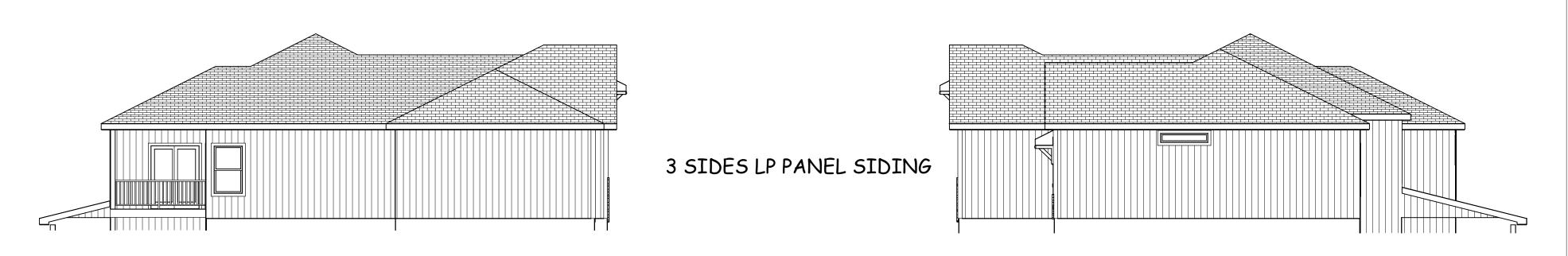


FRONT EL. LAP & STONE



LEFT EL. 1/8 = 1-0



REAR EL. 1/8 = 1-0 RIGHT EL. 1/8 = 1-0

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

BEHOME LLC LUETHJE RES. LOT 132 MONTICELLO 4816 NE FREEHOLD CT LEE SUMMIT MO

SCALE 1/4" = 1-0

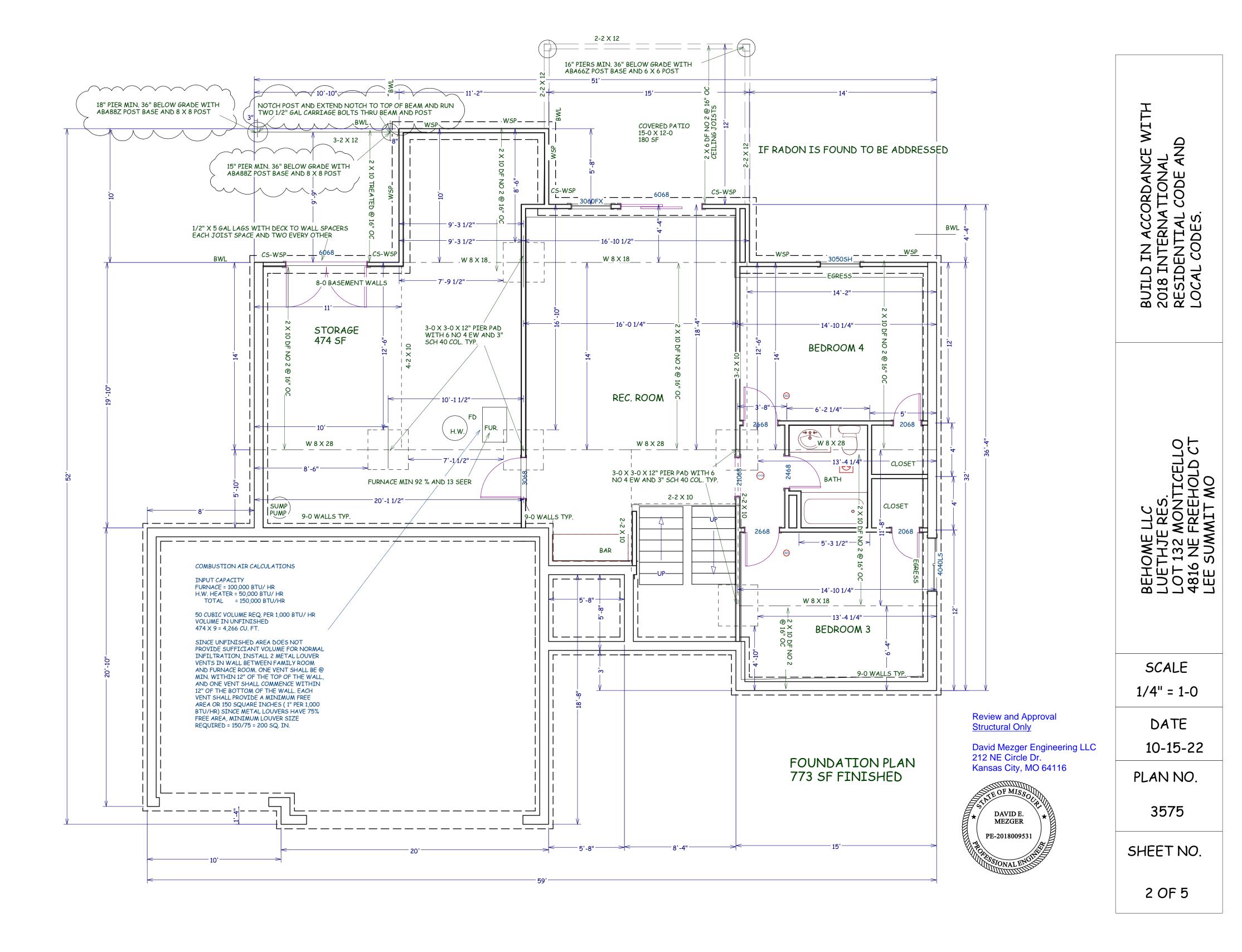
DATE 10-15-22

PLAN NO.

3575

SHEET NO.

1 OF 5



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

BEHOME LLC LUETHJE RES. LOT 132 MONTICELLO 4816 NE FREEHOLD CT LEE SUMMIT MO

1/4" = 1-0

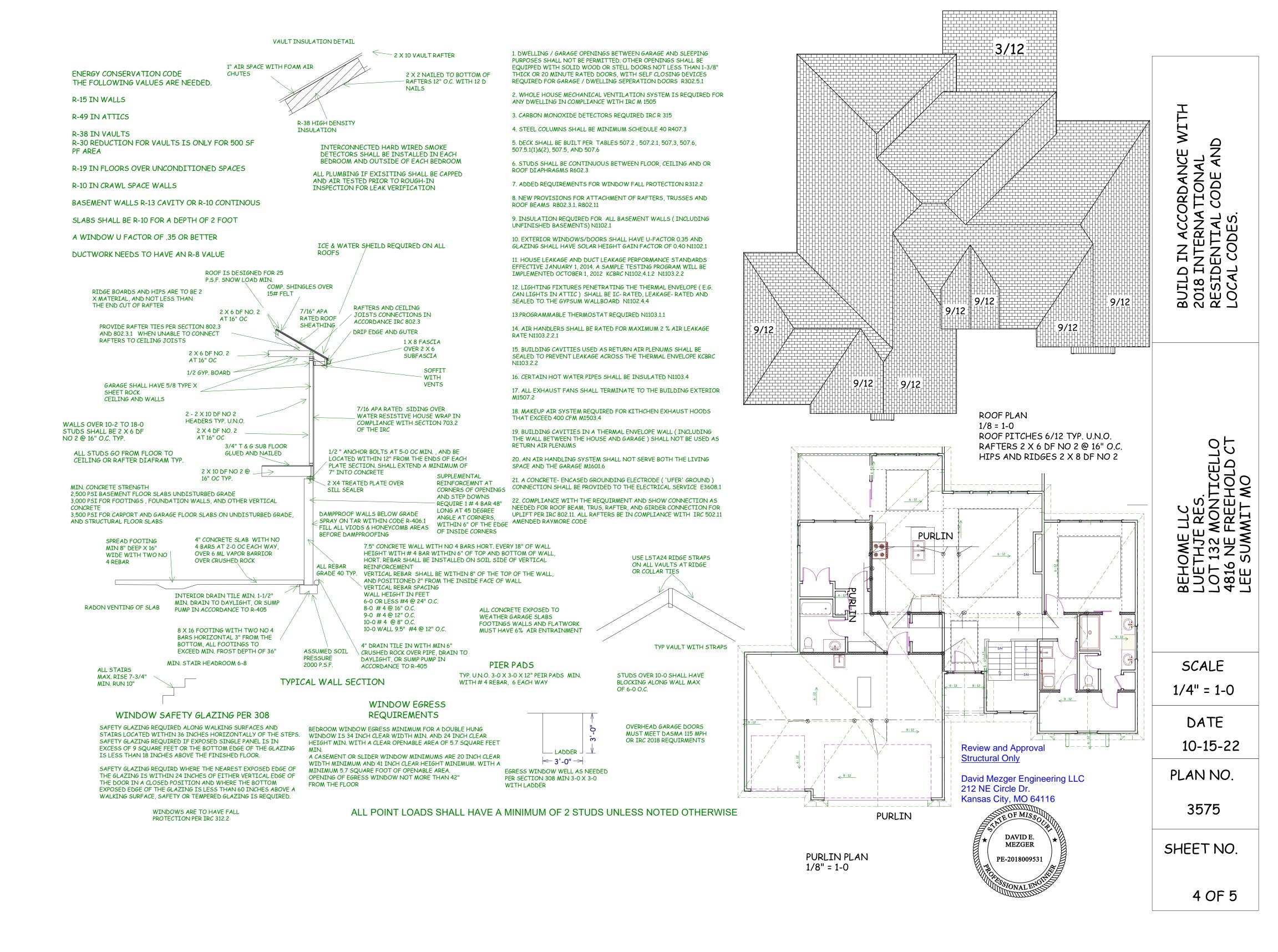
DATE 10-15-22

PLAN NO.

3575

SHEET NO.

3 OF 5



	=	TACING REQUIR	ABLE R602.10.3(1) EMENTS BASED O	N WIND SPEED			
EXPOSURE CATEGORY B 3D-FOOT MEAN ROOF HEIGHT 10-FOOT WALL HEIGHT 2 BRACED WALL LINES			MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE'				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing ^o (feet)	Method LIB ^b	Method GB	Methods DWB, W8P, SFB, PBS, PCP, HPS, BV-W8P, ABW, PFH, PFC, CS-SFB	Methods CS-WSP, CS-G, CS-PF	
		10	3.5	3.5	2.0	2.0	
	A	20	6.5	6,5	3.5	3.5	
	△	30	9.5	9.5	5.5	4.5	
		40	12.5	12.5	7.0	6.0	
		50	15.0	15.0	9.0	7.5	
	اسسا السا	60	18.0	18.0	10.5	9.0	
		10	7.0	7.0	4.0	3.5	
	_	20	12.5	12.5	7.5	6.5	
		30	18.0	18.0	10.5	9.0	
≤ 115		40	23.5	23.5	13.5	11.5	
		50	29.0	29.0	16.5	14.0	
		60	34.5	34.5	20.0	17.0	
		10	NP	10.0	6.0	5.0	
		20	NP	18.5	11.0	9.0	
		30	NP	27.0	15.5	13.0	
		40	NP	35.0	20.0	17.0	
		50	NP	43.0	24.5	21.0	
	\$7±1	60	NP	51.0	29.0	25.0	

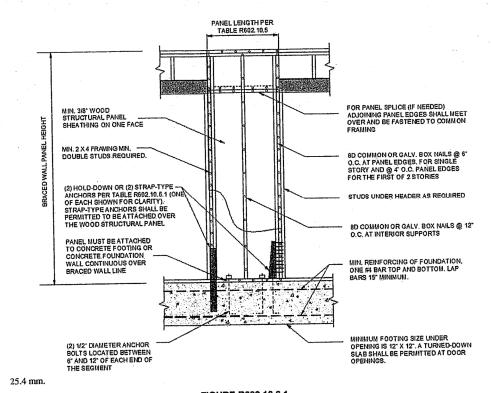
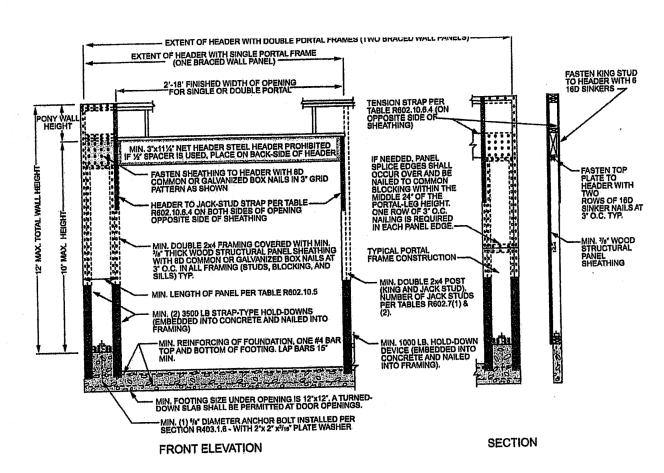


FIGURE R602.10.6.1 METHOD ABW---ALTERNATE BRACED WALL PANEL



4 mm, 1 foot = 304.8 mm.

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

			TABLE R602.10 BRACING METHO	.4 DDS			
				CONNECTION CRITERIA*			
ME	THODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Spacing		
	LIB	1 × 4 wood or approved metal straps			Wood: per stud and top and bottom plates		
	Let-in-bracing	at 45° to 60° angles for maximum 16" stud spacing		Metal strap: per manufacturer	Metal: per manufacturer		
	DWB Diagonal wood boards	³ / ₄ " (1" nominal) for maximum 24" stud spacing		2-8d $(2^{1}/_{2}" long \times 0.113" dia.)$ nails or 2 - $1^{3}/_{4}" long staples$	Per stud		
	WSP		Tesat 1	Exterior sheathing per Table R602.3(3)	6" edges 12" field		
	Wood structural panel (See Section R604)	³ / ₈ "		Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener		
ethods	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 $(2^{1}/_{2}" \times 0.131)$ nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts		
Intermittent Bracing Methods	SFB Structural fiberboard sheathing	1/2" or 25/32" for maximum 16" stud spacing		$1^1 l_2^m \log \times 0.12^m$ dia. (for $^1 l_2^m$ thick sheathing) $1^3 l_4^m \log \times 0.12^m$ dia. (for $^{25} l_{32}^m$ thick sheathing) galvanized roofing nails	3" edges 6" field		
Intermitten	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)	3/8" or 1/2" for maximum 16" stud spacing		For ³ / _g ", 6d common (2" long × 0.113" dia.) nails For ¹ / ₂ ", 8d common (2 ¹ / ₂ " long × 0.131" dia.) nails	3" edges 6" field		
	PCP Portland cement plaster	See Section R703.7 for maximum 16" stud spacing		1 ¹ / ₂ " long, 11 gage, ⁷ / ₁₆ " dia. head nails or ⁷ / 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	3/8"		See Section R602.10.6.1	See Section R602.10.6.1		

METHOD (See Table R602.10.4)			MIN	CONTRIBUTING LENGTH				
				Wall Heigh			(inches)	
		8 feet	9 feet	10 feet	11 feet	12 feet	Actual ^b	
DWB, WSP, SFB, PR	BS, PCP, HPS, BV-WSP	48	48	48	53	58	Double sided = Actual	
	GB	48	48	48	53	58	Single sided = $0.5 \times Actual$	
	LIB	55	62	69	NP	NP	Actual ^b	
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48	
	SDC D ₀ , D ₁ and D ₂ , ultimate design wind speed < 140 mph	32	32	34	NP	NP		
	CS-G	24	27	30	33	36	Actual ^b	
	Adjacent clear opening height (inches)							
	≤ 64	24	27	30	33	36		
	68	26	27	30	33	36	4	
	72	27	27	30	33	36	-	
	76	30	29	30	33	36	_	
	80	32	30	30	33	36		
	84	35	32	32	33	36	- Actual ^b	
	88	38	35	33	33	36		
	92	43	37	35	35	36		
	96	48	41	38	36	36		
CS-WSP, CS-SFB	100		44	40	38	38		
	104		49	43	40	39		
	108		54	46	43	41		
	112	<u> </u>		50	45	43	4.	
	116			55	48	45		
	120		T -	60	52	48	_	
	124		T -	T -	56	51	_	
	128		1 -	_	61	54	_	
	132	—	_		66	58		
	136			_		62		
	140	T-	T-			66		
	144		1 -			72		
METHOD		Portal header height						
(See Ta	ble R602,10.4)	8 feet	9 feet	10 feet		12 feet		
TYPET	Supporting roof only	16	16	16	Note c	Note c	48	
PFH	Supporting one story and roo		24	24	Note c	Note c		
	PFG	24	27	30	Note d	Note d		
	SDC A, B and C	16	18	20	Note e	Note e		
CS-PF	SDC D ₀ , D ₁ and D ₂	16	18	20	Note e	Note e	Actual ^b	
P = 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 r for PFH is 10 feet in accordance with for PFG is 10 feet in accordance with	minimum le	ngth.	but wall hei	ght shall be pe	rmitted to be	e increased to 12 feet with pony	

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

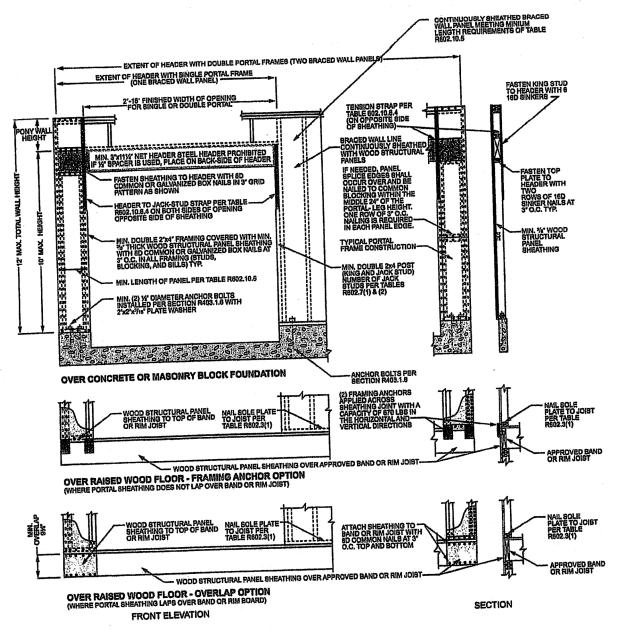
M	ETHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Specing
Methods	PFH Portal frame with hold-downs	3/ ₈ "		See Section R602.10.6.2	See Section R602.10.6.2
Intermittent Bracing Methods	PFG Portal frame at garage	⁷ / ₁₆ "		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	CS-WSP	3/8″		Exterior sheathing per Table R602.3(3)	6" edges 12" field
	Continuously sheathed wood structural panel			Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener
	CS-G ^{b,c} Continuously sheathed wood structural panel adjacent to garage openings	3/8″		See Method CS-WSP	See Method CS-WSP
	CS-PF Continuously sheathed portal frame	7/16"		See Section R602.10.6.4	See Section R602.10.6.4
	CS-SFB ^d Continuously sheathed structural fiberboard	1/2" or ²⁵ / ₃₂ " for maximum 16" stud spacing		1½" long × 0.12" dia. (for ½" thick sheathing) 1½" long × 0.12" dia. (for 2½", "thick sheathing) galvanized roofing nails	3"edges 6" field

Applies to panels next to garage door opening where supporting gable end wall or roof load only. Shall only be used on one wall or the garage. In Seismite Design Categories Do, Do and Do roof covering dead load shall not exceed 3 psf.

be permitted adjacent to a Method C3-G panel.

Method CS-SFB does not apply in Seismic Design Categories D_0 , D_1 and D_2 .

Method CS-SFB does not apply in Seisine Design Categories D_0 , D_1 and D_2 . Method applies to detached one- and two-family dwellings in Seismic Design Categories D_0 through D_2 only

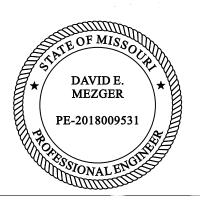


For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

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

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5 OF 5