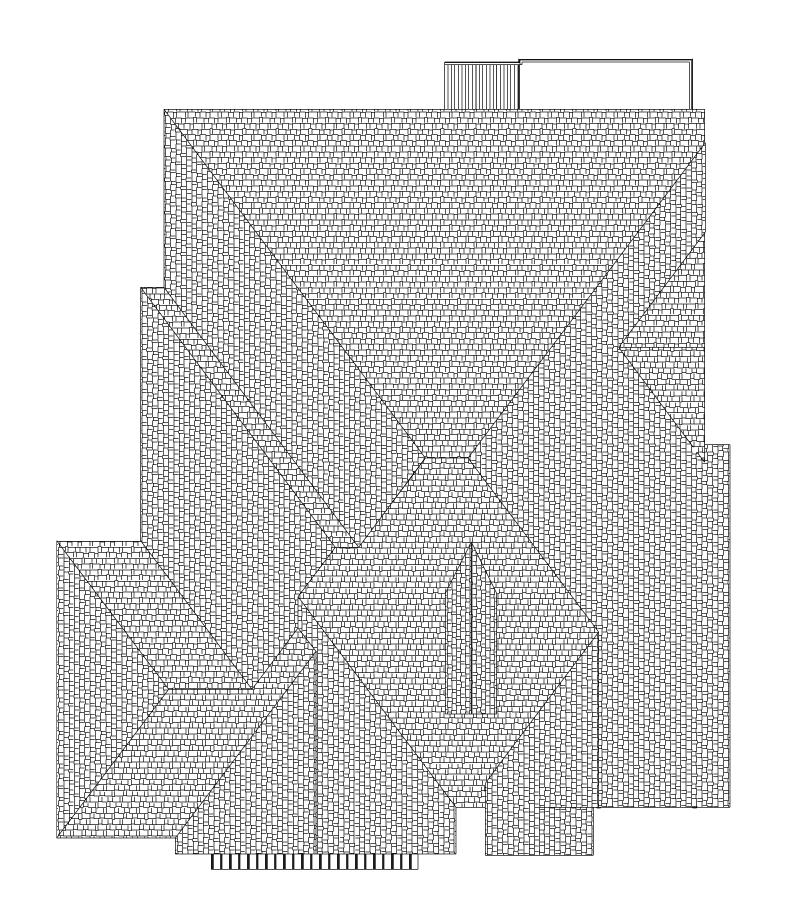
SHEET NO.





ROOF PLAN

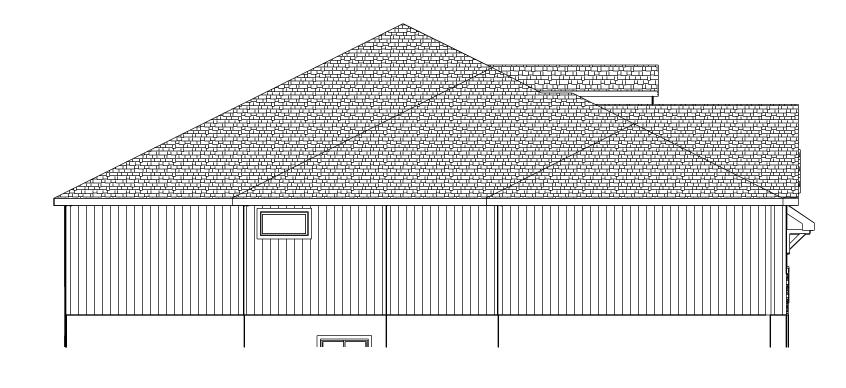
1/8 = 1-0

ROOF PITCHES 6/12 FRONT TO BACK

ROOF PITCHES 8/12 SIDE TO SIDE

RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.

HIPS AND RIDGES 2 X 8 DF NO 2 TYP.

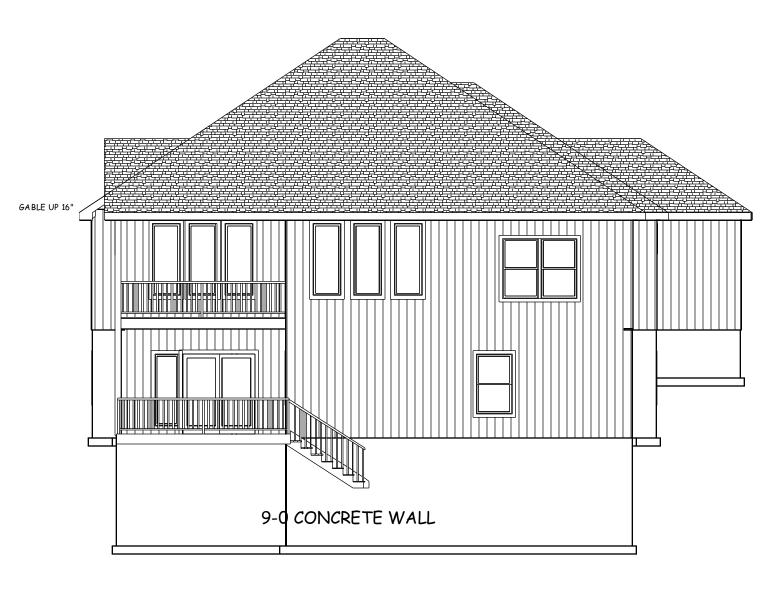


LEFT EL. 1/8 = 1-0



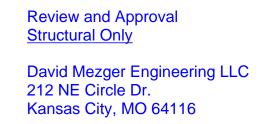
FRONT EL. STONE AND STUCCO ELEVATION D

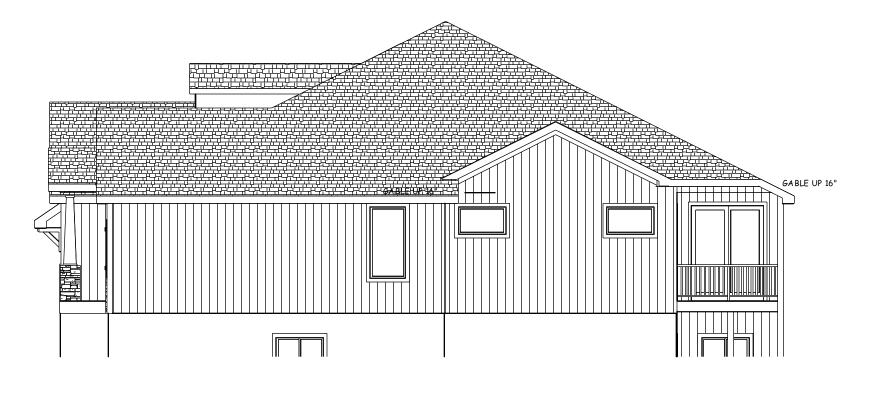
RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/03/2025



REAR EL. 1/8 = 1-0

3 SIDES LP PANEL SIDING

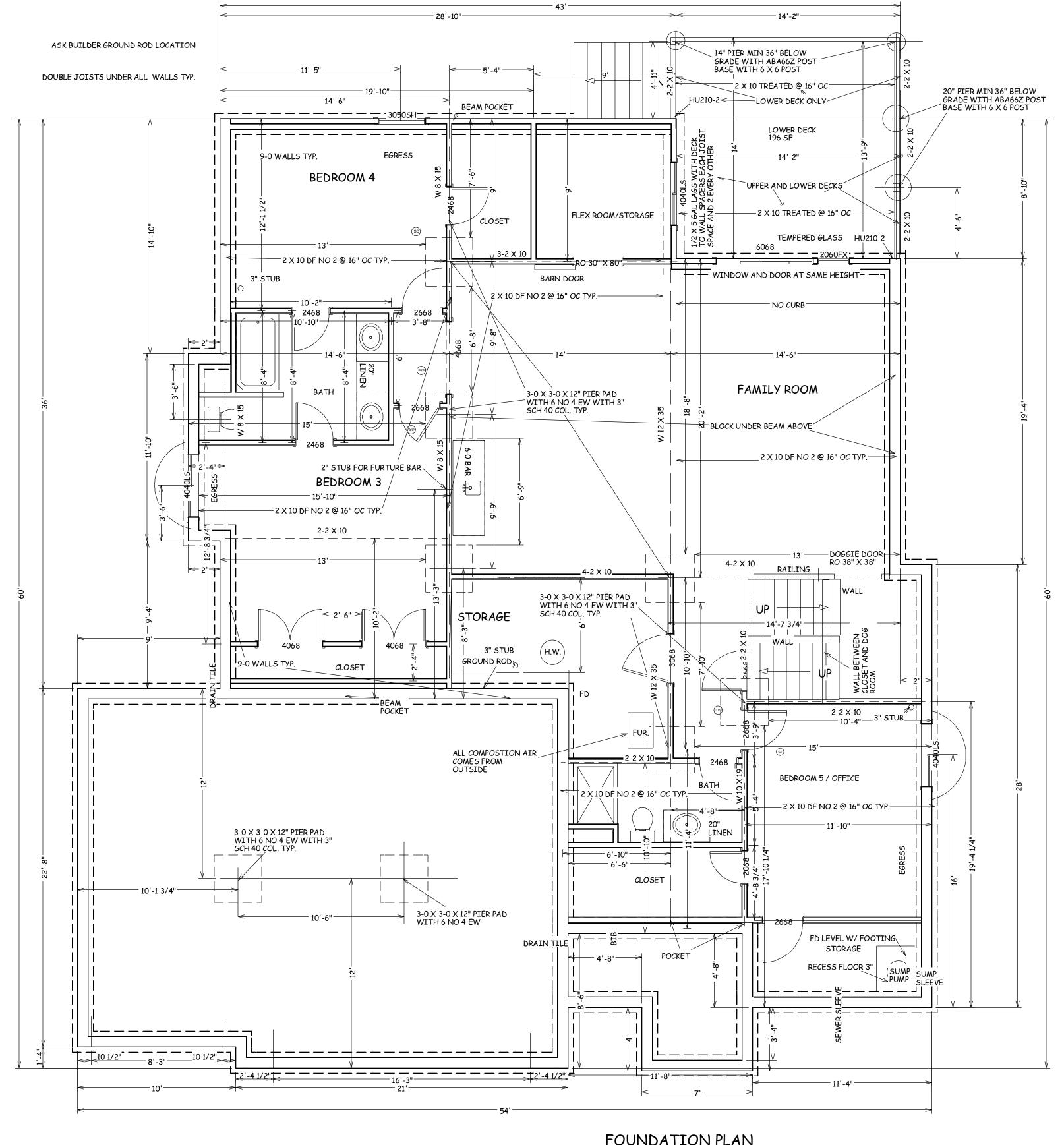




RIGHT EL. 1/8 = 1-0



PROTECTION PER IRC 312.2



FOUNDATION PLAN 1420 SF FINISHED 167 SF STORAGE

Review and Approval
Structural Only

David Mezger Engineering LLC
212 NE Circle Dr.
Kansas City, MO 64116



SUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND

TRUMARK CUSTOM HOMES KYLE IV LOT 128 WOODSIDE RIDGE 2123 NW KILLARNEY LN 1 FF SUMMIT MO

SCALE 1/4" = 1-0

DATE

1-8-25

PLAN NO.

4365

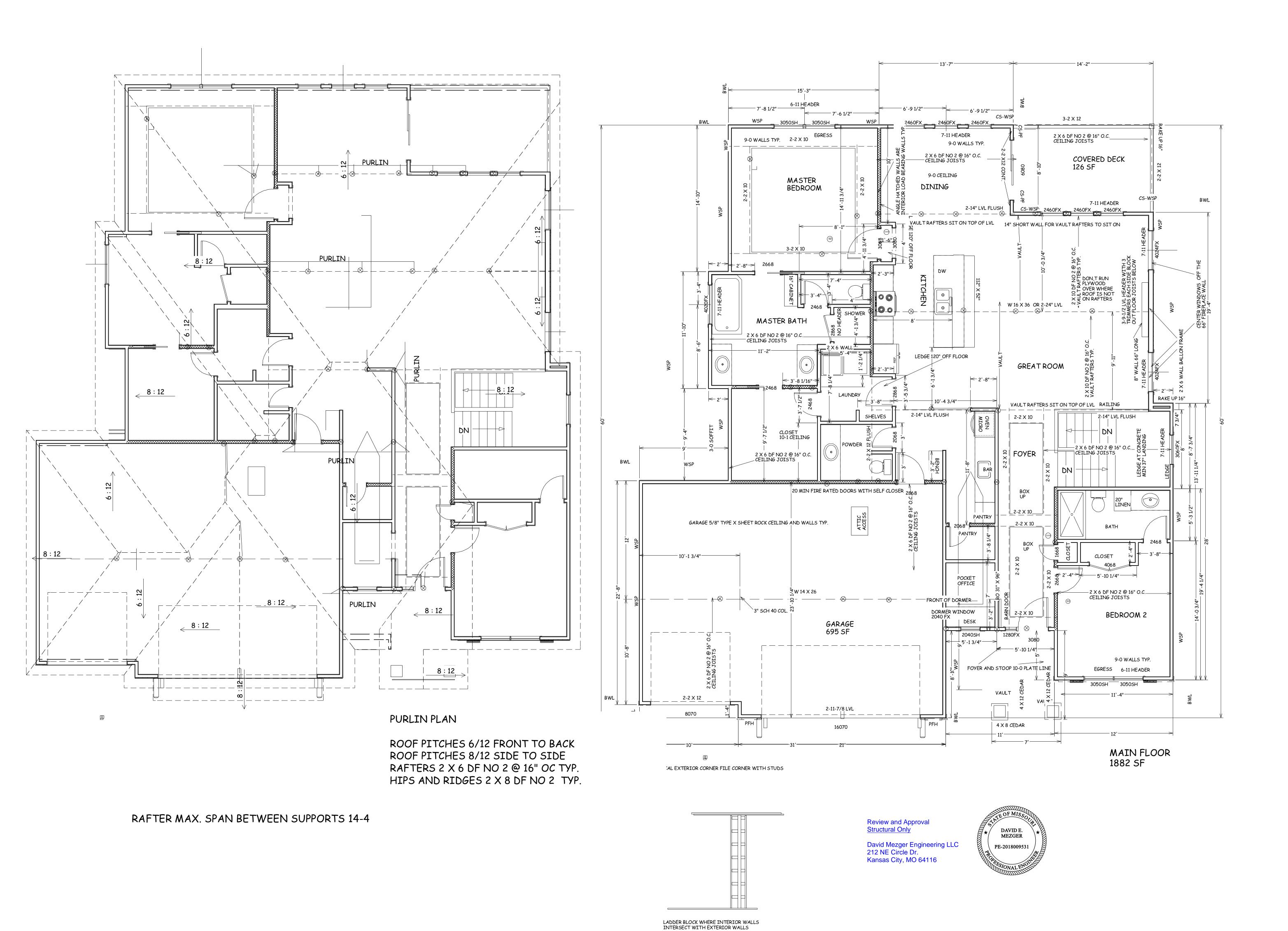
SHEET NO.

PRELEASE FOR CONSTRUCTION

PASA OTED FOR PLAN REVIEW DEVELOPMENT SERVICES

LEE'S SUMMIT, M SSOURI

02/03/2025



BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND

TRUMARK CUSTOM HOMES KYLE IV LOT 128 WOODSIDE RIDGE 2123 NW KILLARNEY LN

SCALE 1/4" = 1-0

DATE

1-8-25

PLAN NO.

4365

SHEET NO.

3 OF A RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/03/2025

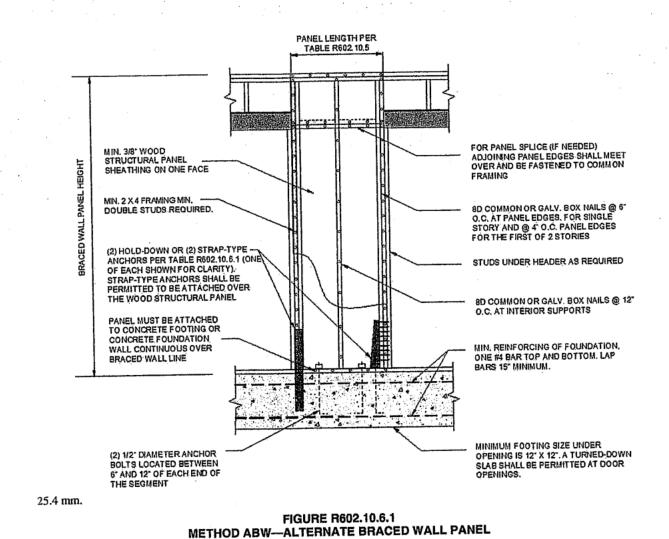
PLAN NO.

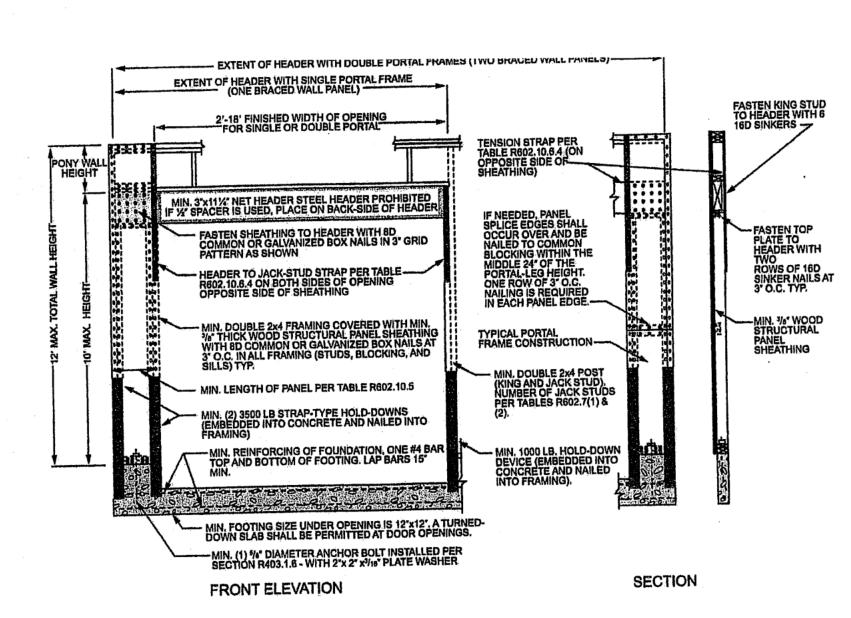
4365

SHEET NO.

4 OFELEAE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, M SSOURI
02/03/2025

6.5 5.5 9.5 12.5 7.0 12.5 7.5 15.0 9.0 15.0 10.5 9.0 18.0 18.0 12.5 12.5 18.0 18.0 11.5 ≤ 115 13.5 23.5 23.5 14.0 29.0 29.0 16.5 17.0 34.5 20.0 34.5 11.0 13.0 27.0 17.0 20.0 35.0 21.0 24.5 43.0 25.0 29.0





4 mm, 1 foot = 304.8 mm.

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

				TABLE R602.10 BRACING METHO				
Г				T	CONNECTION CRITERIA			
	METH	HODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Spacing		
-		LIB	1 × 4 wood or approved metal straps		Wood: 2-8d common nails or 3-8d (2 ¹ / ₂ " long x 0.113" dia.) nails	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 Wood structural panel (See Section R604)	3/8"		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		
	sthods	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" 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 / ₂ " long × 0.12" dia. (for ¹ / ₂ " thick sheathing) 1 ³ / ₄ " long × 0.12" dia. (for ²⁵ / ₃₂ " thick sheathing) galvanized roofing nails	3" edges 6" field		
1	Intermittent	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 ${}^{3}I_{8}$ ", 6d common (2" long × 0.113" dia.) nails For ${}^{1}I_{2}$ ", 8d common (2 ${}^{1}I_{2}$ " 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	members		
		HPS Hardboard panel siding	7/16" for maximum 16" stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate 11/2" penetration into studs	4" edges 8" field		
		ABW Alternate braced wall	3/8"		See Section R602.10.6.1	See Section R602.10.6.1		

METHOD (See Table R602.10.4)			MIN	CONTRIBUTING LENGTH				
			9 feet	10 feet	11 feet	12 feet		
DWB, WSP, SFB, P	BS, PCP, HPS, BV-WSP	48	48	48	53	58	Actual ^b	
GB			48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual	
LIB			62	69	NP	NP	Actual ^b	
	SDC A, B and C, ultimate design wind speed < 140 mph	55 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		
	CS-G	24	27	30	33	36	Actual ^b	
	Adjacent clear opening height (inches)							
	≤ 64	24	27	30	33	36	Actual ^b	
	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		
CS-WSP, CS-SFB	100		44	40	38	38		
	104		49	43	40	39		
	108		54	46	43	41		
	112	<u> </u>	<u> </u>	50	45	43		
	116			55	48	48		
	120			60	52	51		
	124	1 =	$\perp =$		56	54		
	128			1	61	58	_	
	132				00	62		
	136	<u> </u>				66		
	140			 -		72	_	
	144	 	1 -	ortal heads	er helaht	1		
	METHOD able R602,10.4)	8 feet	9 feet	10 feet		12 feet	7	
(See 1	Supporting roof only	16	16	16	Note c	Note o		
PFH	Supporting one story and roo		24	24	Note c	Note o	5 48	
	PFG	24	27	30	Note d	Note		
	SDC A, B and C	16	18	20	Note e	Note 6	1.5 × Actual ^b	
CS-PF	SDC D ₀ , D ₁ and D ₂	16	18	20	Note e	Note 6		

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 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.

BRACE WALL DETAILS WIND SPEED 115 MPH WIND EXPOSURE A SEISMIC DESIGN CAEGORY A OVER CONCRETE OR MASONRY BLOCK FOUNDATION

ANCHOR BOLTS PER
SHARTHING TO TOP OF BAND
OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION
(WHERE PORTAL SHEATHING DOES NOT LAP OVER BAND OR RIM JOIST)

WOOD STRUCTURAL PANEL
TABLE REGIST!)

WOOD STRUCTURAL PANEL
WOOD STRUCTURAL PANEL
WOOD STRUCTURAL PANEL
SHEATHING OF THE HORD OF THE HOR

Specing

See Section R602.10.6.2

See Section R602.10.6.3

6" edges 12" field

Varies by fastener

See Method CS-WSP

See Section R602.10.6.4

3" edges 6" field

See Section R602.10.6.2

See Section R602.10.6.3

Exterior sheathing pe Table R602.3(3)

Interior sheathing per Table R602.3(1) or R602.3(2

See Method CS-WSP

See Section R602.10.6.4

 $1^{1}/_{2}$ " long × 0.12" dia. (for $\frac{1}{2}$ " thick sheathing) $1^{3}/_{4}$ " long × 0.12" dia. (for $\frac{25}{22}$ " thick sheathing) galvanized roofing nails

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.8 N/m², 1 mile per hour = 0.447 m/s.

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

b. Applies 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 Seismic 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 shall be provided 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 Seismic Design Categories D₀, D₁ and D₂.

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

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

METHODS, MATERIAL

tinuously sheathed

wood structural panel

wood structural panel

adjacent to garage

stud spacing

MIN. 3'X111/' NET HEADER STEEL HEADER PROHIBITED 'W' SPACER IS USED, PLACE ON BACK-SIDE OF HEADER

FIGURE R602.10.6.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

Review and Approval
Structural Only

David Mezger Engineering LLC 212 NE Circle Dr. Kansas City, MO 64116

