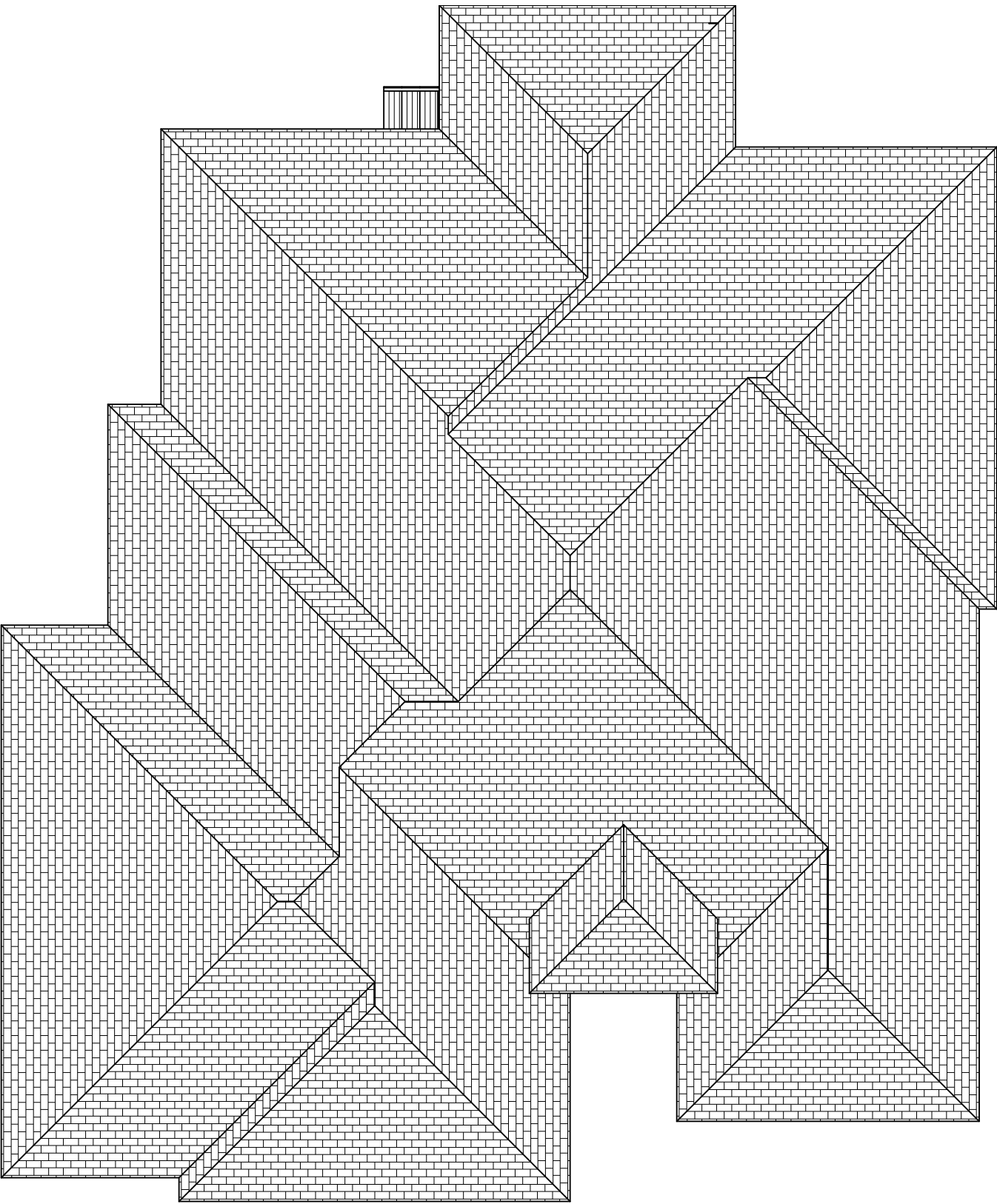
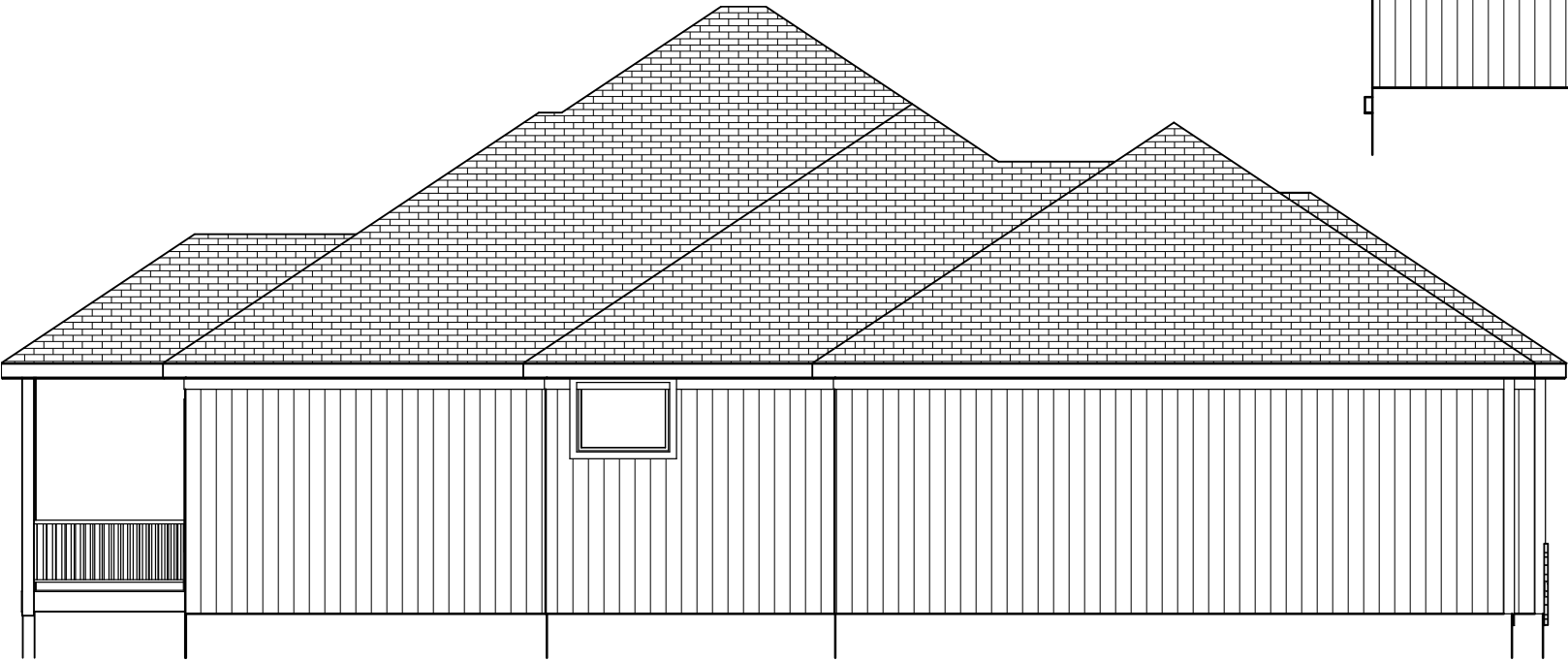


RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.
HIPS AND RIDGES 2 X 8 DF NO 2 TYP.



ROOF PLAN
1/8" = 1'-0"
8/12 ROOF PITCH



LEFT EL.
1/8" = 1'-0"



RETURNS LP SMART
SIDING

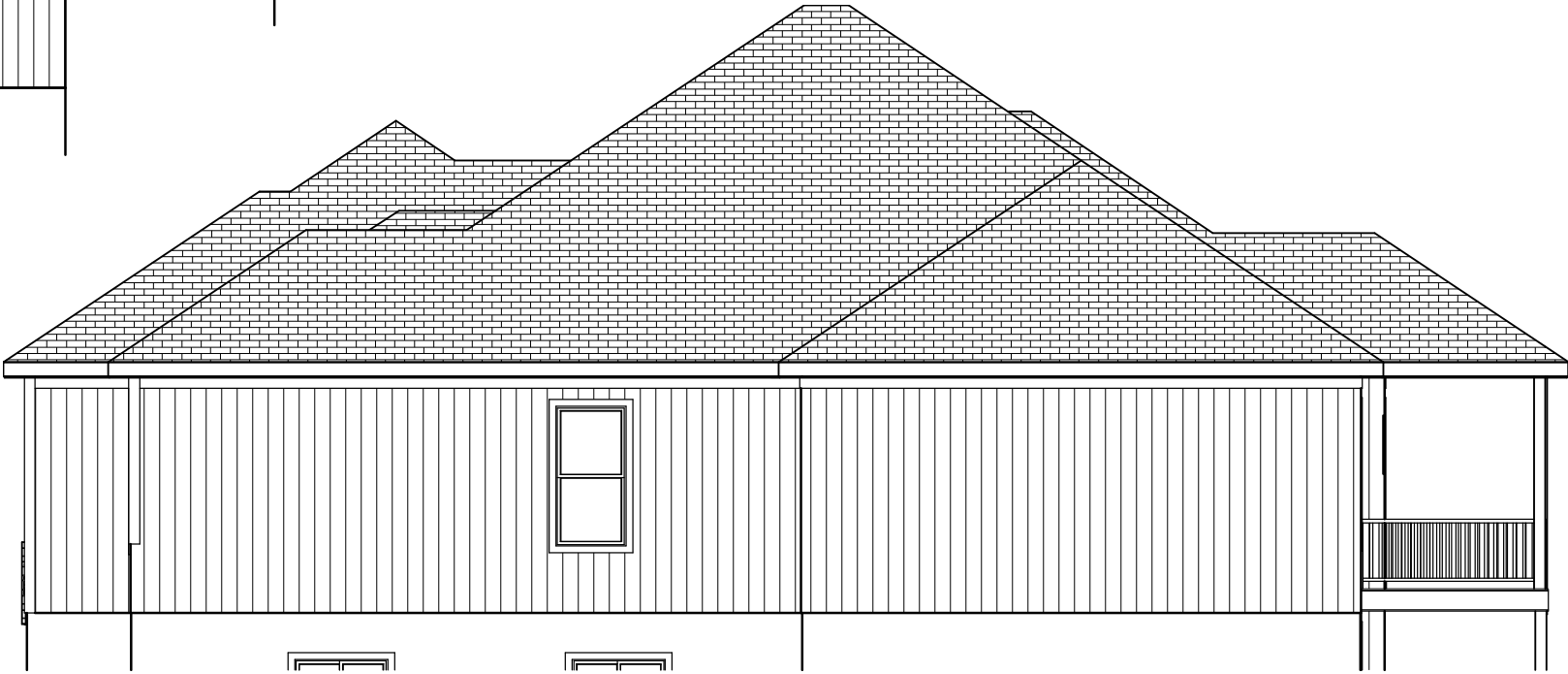
NOTE HILLCREST LONG BEADBOARD

FRONT ELEVATION
STUCCO & STONE SIDING

ELEVATION A

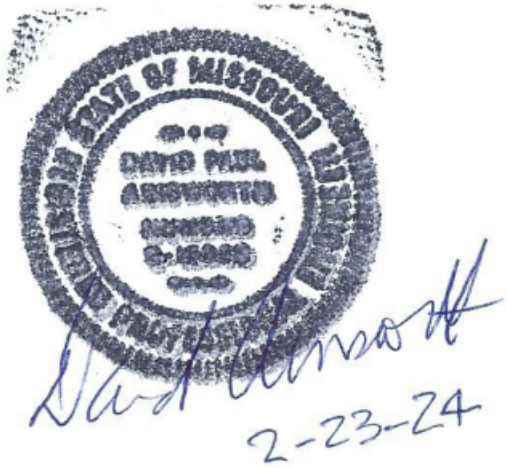


REAR EL.
1/8" = 1'-0"



RIGHT EL.
1/8" = 1'-0"

3 SIDES LP PANEL SIDING



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

TRUMARK HOMES
ANGELA II
LOT 149 WOODSIDE RIDGE
2078 O' BRIEN DR.
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

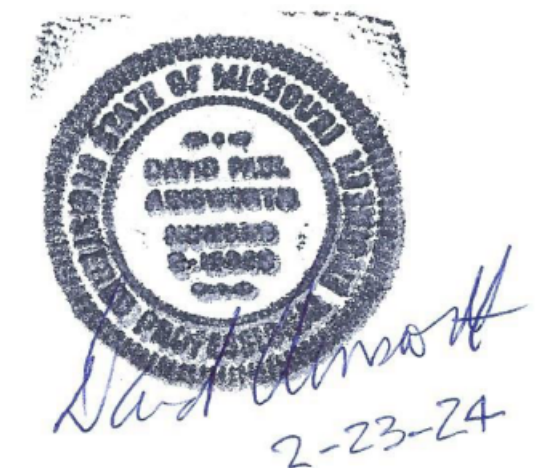
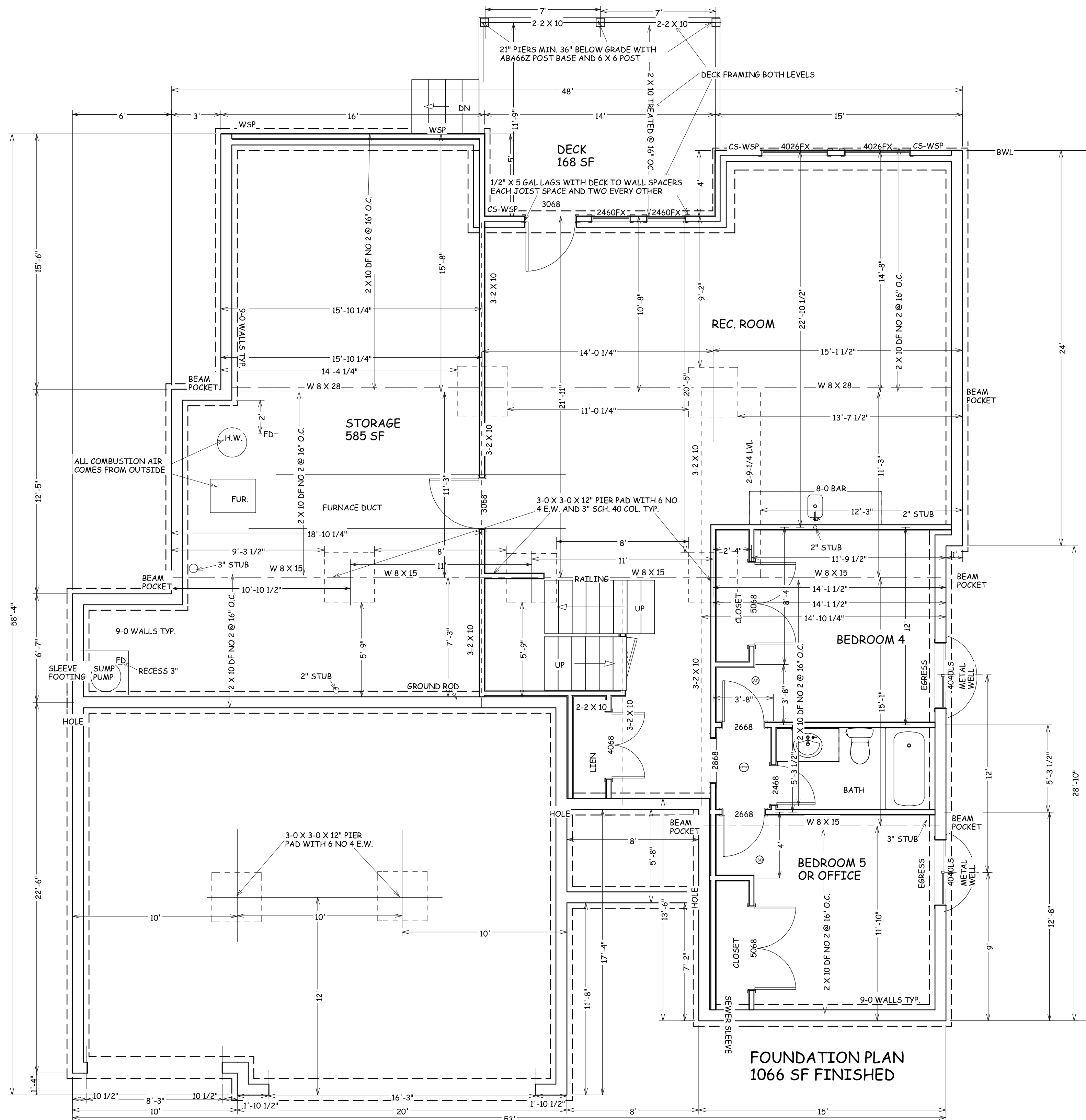
DATE
2-22-24

PLAN NO.

4189

SHEET NO.

1 OF 5



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

TRUMARK HOMES
ANGELA II
LOT 149 WOODSIDE RIDGE
2078 O' BRIEN DR.
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

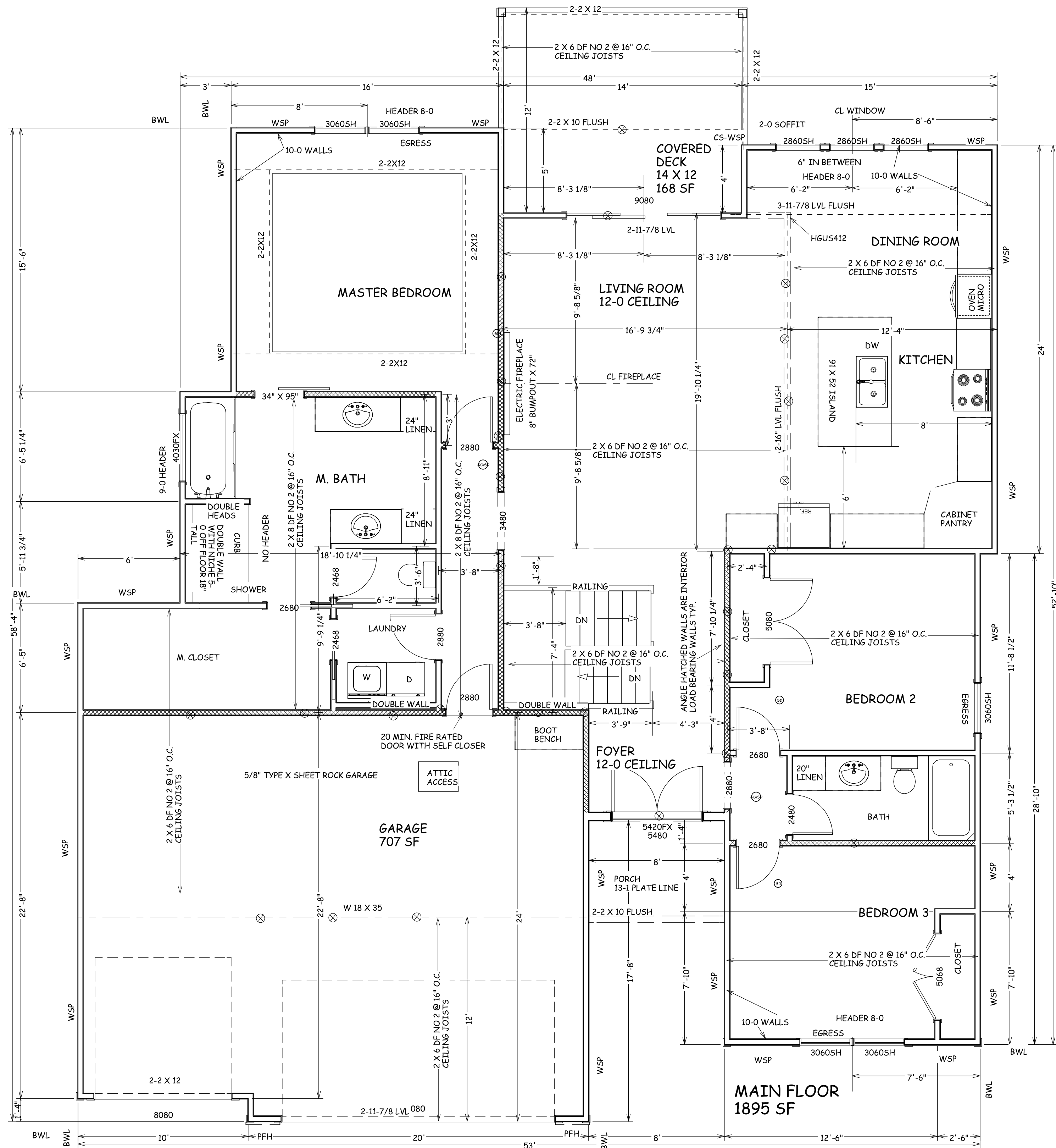
DATE
2-22-24

PLAN NO.

4189

SHEET NO.

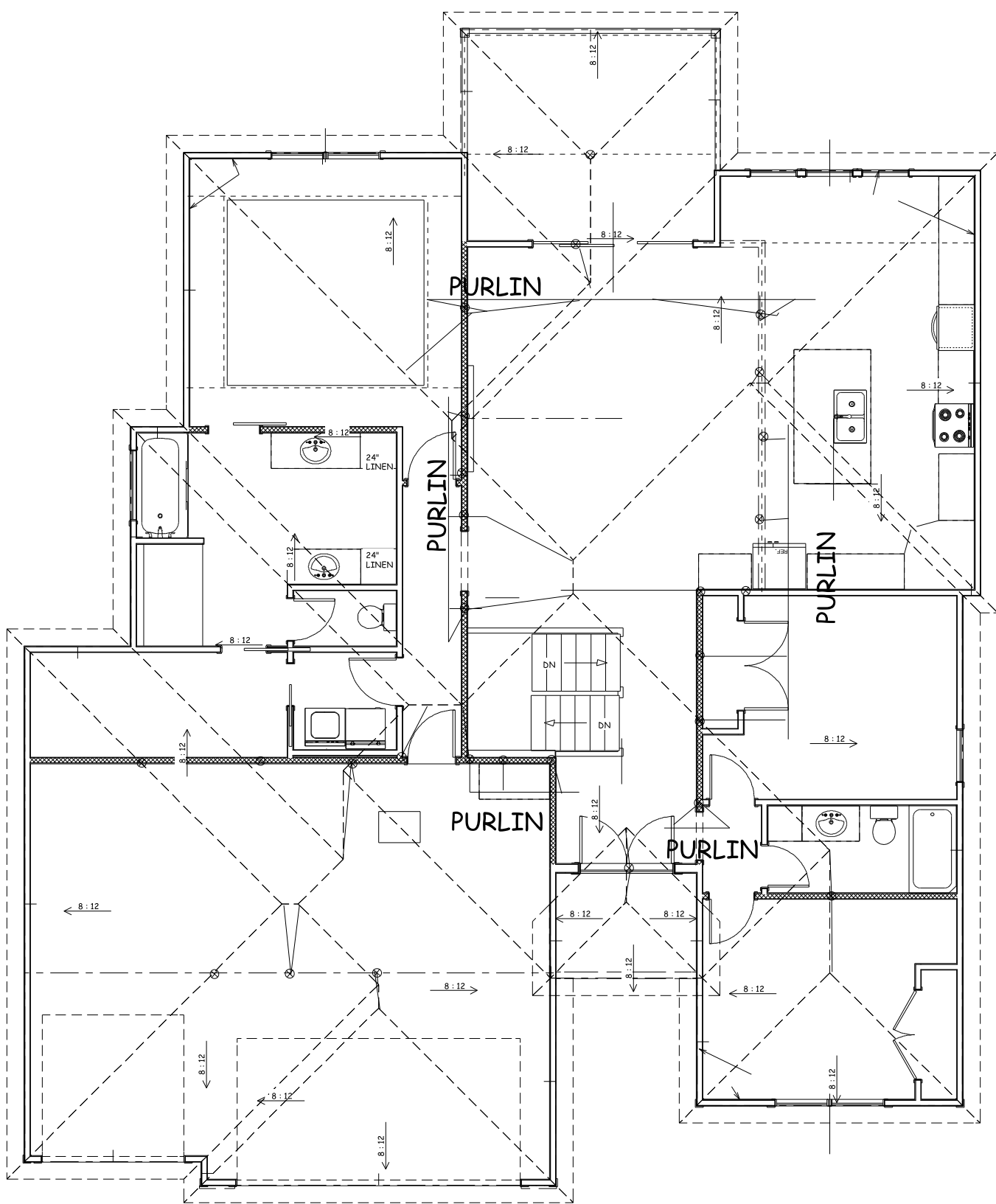
2 OF 5



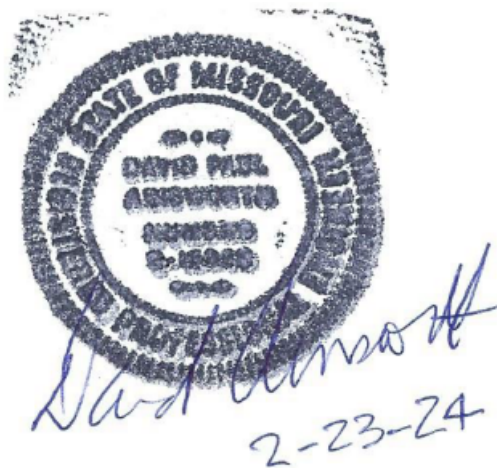
DAVID PAUL
ARCHITECT
2-23-24

BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.	
TRUMARK HOMES ANGELA II LOT 149 WOODSIDE RIDGE 2078 O' BRIEN DR. LEE SUMMIT MO	
SCALE	1/4" = 1-0
DATE	2-22-24
PLAN NO.	4189
SHEET NO.	3 OF 5

DUCTWORK NEEDS TO HAVE AN R-8 VALUE



4 OF 5



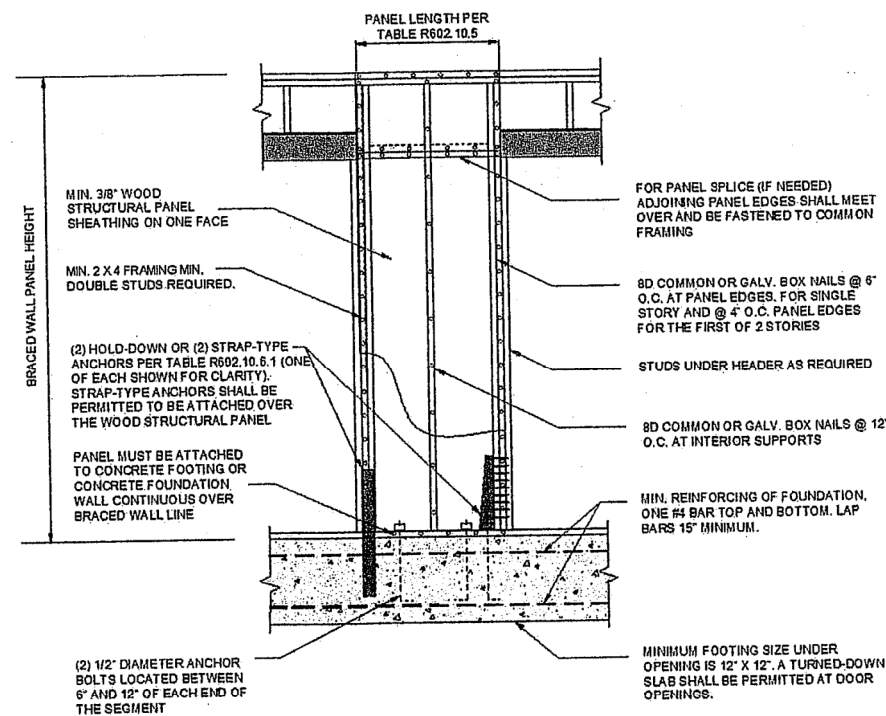
• EXPOSURE CATEGORY B • 30-FOOT MEAN ROOF HEIGHT • 10-FOOT WALL HEIGHT • 2 BRACED WALL LINES		MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE*				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing (feet)	Method LIP ^a	Method GB	Methods DWB, WSP, SFB, RBL, RCP, WPS, BV-WSP, ABW, PFB, PFC, CS-FP	Methods CS-WSP, CS-G, CS-FP
≤ 115		10	3.5	3.5	2.0	2.0
		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
		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
		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 ^b	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
		60	NP	51.0	29.0	25.0

METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA *	
Intermittent Bracing Methods	LJB Let-in-bracing	1 x 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing		Fasteners: Wood: 2-8d common nails or 3-8d (2 1/2" long x 0.113" dia.) nails Metal strap: per manufacturer	Spacing: Wood: per stud and top and bottom plates Metal: per manufacturer
	DWB Diagonal wood boards	3/4" (1" nominal) for maximum 24" stud spacing		2-8d (2 1/2" long x 0.113" dia.) nails or 2 x 1 1/2" long staples	Per stud
	WSP Wood structural panel (See Section R604)	3/4"		Exterior sheathing per Table R602.3(3) Interior sheathing per Table R602.3(1) or R602.3(2)	6" edges 12" field Varies by fastener
	BY-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	1/4"	See Figure R602.10.6.5	8d common (2 1/2" x 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 3/8" for maximum 16" stud spacing		1 1/2" long x 0.12" dia. (for 1/2" thick sheathing) or 0.92" dia. x 0.12" dia. (for 3/8" thick sheathing) galvanized roofing nails	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
	FBS Fiberboard sheathing (See Section R605)	3/4" or 1/2" for maximum 16" stud spacing		For 1/2", 6d common (2" long x 0.113" dia.) nails For 3/4", 8d common (2 1/2" long x 0.131" dia.) nails	3" edges 6" field
	PCP Portland cement plaster	See Section R703.7 for maximum 16" stud spacing		1 1/2" x 11 gage, 1/4" dia. head nails or 1/4" long, 16 gage staples	6" o.c. on all framing members
	HPS Hardboard panel siding	3/4" for maximum 16" stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate 1/4" penetration into studs	4" edges 8" field
	ABW Alternate braced wall	3/4"		See Section R602.10.6.1	See Section R602.10.6.

		BRACING METHODS		CONNECTION CRITERIA*	
METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	Fasteners	Spacing
Intermittent Bracing Methods	PFH Portal frame with hold-downs	1/4"		See Section R602.10.6.2	See Section R602.10.6.2
	PFG Portal frame at garage	7/16"		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	CS-WSP Continuously sheathed wood structural panel	3/8"		Exterior sheathing per Table R602.3(3) Interior sheathing per Table R602.3(1) or R602.3(2)	6" edges 12" field Varies by fastener
	CS-G ¹ Continuously sheathed wood structural panel adjacent to garage openings	3/8"		See Method CS-WSP	See Method CS-WSP
	CS-FF Continuously sheathed portal frame	7/16"		See Section R602.10.6.4	See Section R602.10.6.4
	CS-SFB ² Continuously sheathed structural fiberboard	1/2" or 5/16" for maximum 16" stud spacing		1 1/2" long x 0.12" dia. (for 1/2" thick sheathing) 1 1/4" long x 0.12" dia. (for 5/16" thick sheathing) galvanized roofing nails	3" edges 6" field

For 1 ft: $S_{in} = 25.4 \text{ mm}$, 1 foot = 304.8 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.88 N/m², 1 mile per hour = 0.447 m/s.

- Adhesive attachment of wall sheathing, including Method CR, shall not be permitted for Seismic Design Categories C₁, D₁, and D₂. Applies to panels not used for roof covering where supporting gable and wall or roof load only. Shall only be used on one wall of the garage. In Seismic Design Categories C₁, D₁, and D₂, roof covering dead load shall not exceed 3 psf.
- 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.
- Method CS-SFB does not apply in Seismic Design Categories D₁, D₂, and D₃.
- Method applies to detached one- and two-family dwellings in Seismic Design Categories D₃ through D₄ only.



EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (1 W/ BRACED WALL PANELS)
 EXTENT OF HEADER WITH SINGLE PORTAL FRAME (ONE BRACED WALL PANEL)
 2'-18" FINISHED WIDTH OF OPENING FOR SINGLE OR DOUBLE PORTAL
 MIN. 3"x1 1/2" NET HEADER STEEL HEADER PROHIBITED IF 3/4" SPACER IS USED, PLACE ON BACK-SIDE OF HEADER
 FASTEN SHEATHING TO HEADER WITH 8D COMMON OR GALVANIZED BOX NAILS IN 3" GRID PATTERN AS SHOWN
 HEADER TO JACK STUD STRAP PER TABLE R602.10.6.4 ON BOTH SIDES OF OPENING OPPOSITE SIDE OF SHEATHING
 MIN. DOUBLE 2x4 FRAMING COVERED WITH MIN. 1/2" THICK WOOD STRUCTURAL PANEL SHEATHING WITH 8D COMMON OR GALVANIZED BOX NAILS AT 3" O.C. IN ALL FRAMING STUDS, BLOCKING, AND SILL) TYP.
 MIN. LENGTH OF PANEL PER TABLE R602.10.5
 MIN. (2) 3500 LB STRAP-TYPE HOLD-DOWNS (EMBEDDED INTO CONCRETE AND NAILED INTO FRAMING)
 MIN. REINFORCING OF FOUNDATION, ONE #4 BAR TOP AND BOTTOM OF FOOTING, LAP BARS 15" MIN.
 MIN. FOOTING SIZE UNDER OPENING IS 12"x12"; A TURNED-UNDER SLAB SHALL BE PERMITTED AT DOOR OPENINGS.
 MIN. (1) 3/4" DIAMETER ANCHOR BOLT INSTALLED PER SECTION R603.1.8 - WITH 2"x2"x1/8" PLATE WASHER
 TENSION STRAP PER TABLE R602.10.6.4 (ON OPPOSITE SIDE OF SHEATHING)
 IF NEEDED, PANEL SPICE EDGES SHALL OCCUR OVER AND BE NAILED TO COMMON BLOCKING WITHIN THE MIDDLE 24" OF THE PORTAL-LESS HEIGHT. ONE ROW OF 3" O.C. NAILING IS REQUIRED IN EACH PANEL EDGE.
 TYPICAL PORTAL FRAME CONSTRUCTION
 MIN. DOUBLE 2x4 POST (JONG AND JACK STUD), NUMBER OF JACK STUDS PER TABLES R602.7(1) & (2)
 MIN. 1000 LB. HOLD-DOWN DEVICE (EMBEDDED INTO CONCRETE AND NAILED INTO FRAMING)
 FASTEN KING STUD TO HEADER WITH 8 D SINKERS
 FASTEN TOP PLATE TO HEADER WITH TWO ROWS OF 16D SINKER NAILS AT 3" O.C. TYP.
 MIN. 1/4" WOOD STRUCTURAL PANEL SHEATHING

FRONT ELEVATION

SECTION

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

METHOD (See Table R602.10.4)		MINIMUM LENGTH ^h (inches)					CONTRIBUTING LENGTH ^h (inches)
		Wall Height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP		48	48	48	53	58	Actual ^h
GB		48	48	48	53	58	Double sided = Actual Single sided = 0.5 x Actual
LIB		53	62	69	NP	NP	Actual ^h
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48
	SDC D _o , D ₁ and D ₂ , ultimate design wind speed < 140 mph	32	32	34	NP	NP	
CS-G		24	27	30	33	36	Actual ^h
CS-WSP, CS-SFB	Adjacent clear opening height (inches)						Actual ^h
	≤ 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	
	100	—	44	40	38	38	
	104	—	49	43	40	39	
	108	—	54	46	43	41	
	112	—	—	50	45	43	
	116	—	—	55	48	45	
	120	—	—	60	52	48	
	124	—	—	—	56	51	
128	—	—	—	61	54		
132	—	—	—	66	58		
136	—	—	—	—	62		
140	—	—	—	—	66		
144	—	—	—	—	72		
METHOD (See Table R602.10.4)		Portal header height					48
		8 feet	9 feet	10 feet	11 feet	12 feet	
FFH	Supporting roof only	16	16	16	Note c	Note c	
	Supporting one story and roof	24	24	24	Note c	Note c	
	FFG	24	27	30	Note d	Note d	1.5 x Actual ^h
CS-PF	SDC A, B and C	16	18	20	Note e	Note e	1.5 x Actual ^h
	SDC D _o , D ₁ and D ₂	16	18	20	Note e	Note e	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.
NP = Not Permitted.

- Linear interpolation shall be permitted.
- Use the actual length where it is greater than or equal to the minimum length.

Maximum header height for FPH 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.

- Maximum header height for FPH 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.
- Maximum header height for FPG 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.
- Maximum header height for CS-SP 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.

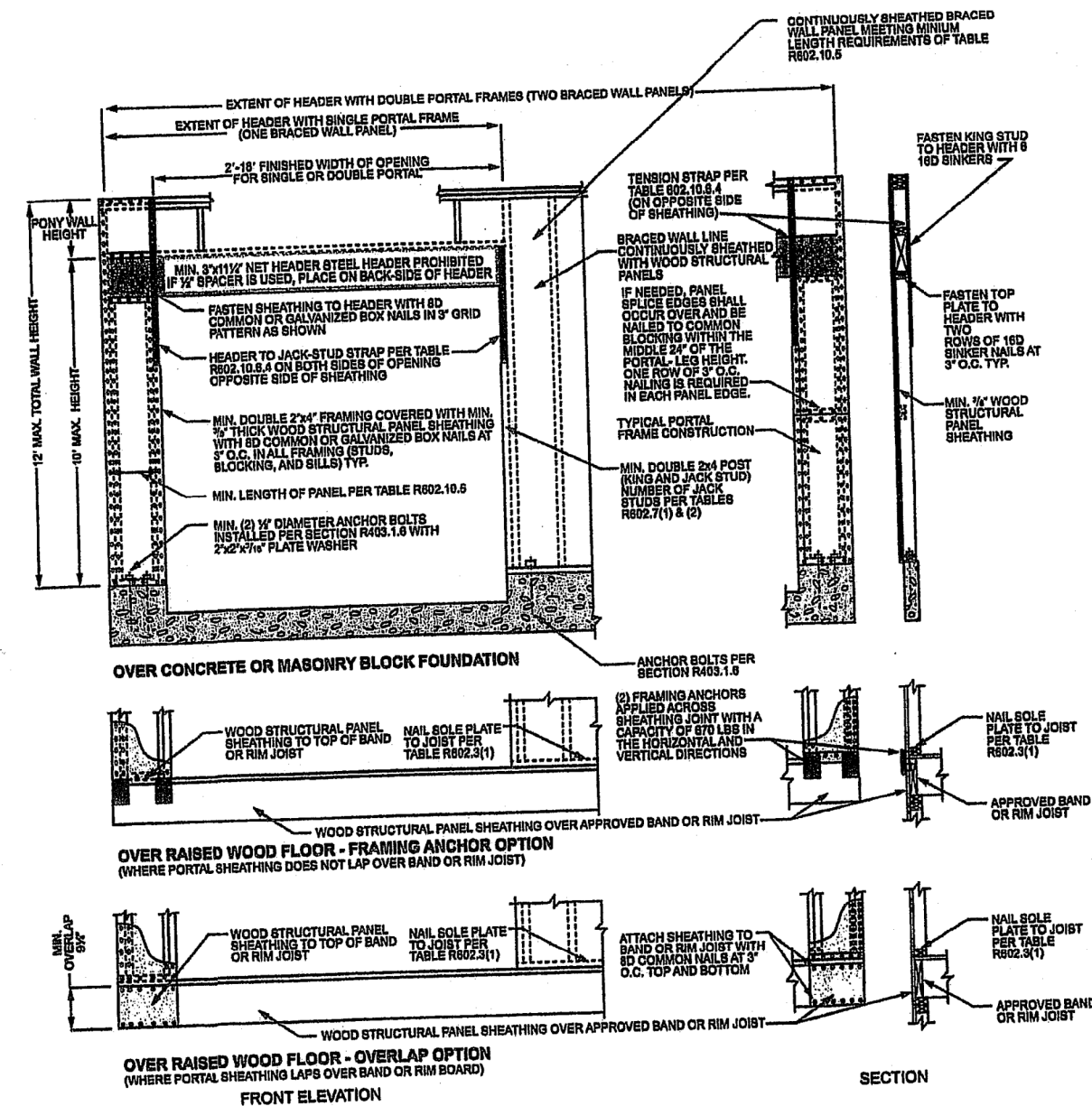


FIGURE R602.10.6.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

TRUMARK HOMES
ANGELA II
LOT 149 WOODSIDE RIDGE
2078 O' BRIEN DR.
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

DATE
2-22-24

PLAN NO.

4189

SHEET NO.

5 OF 5

