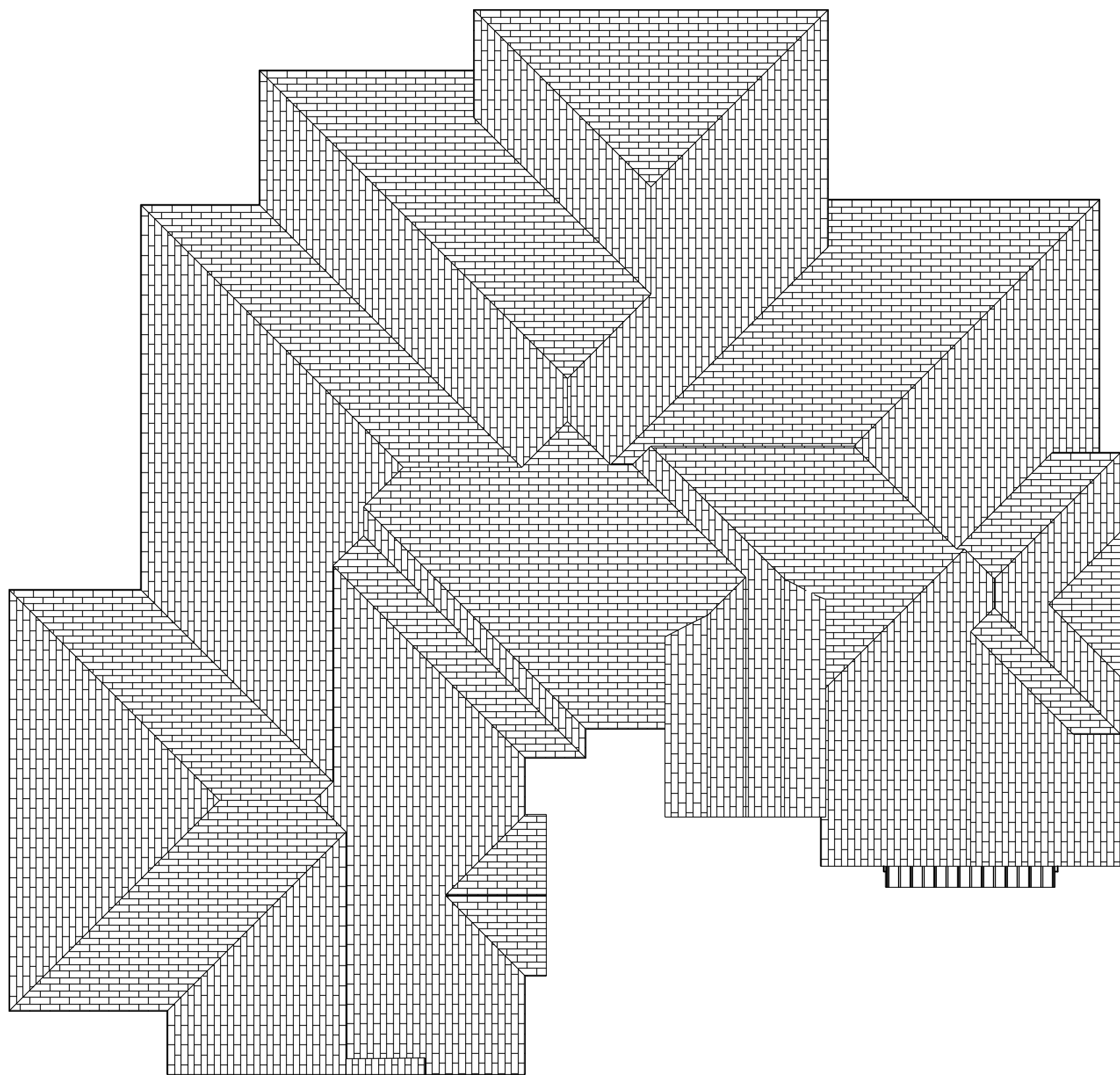
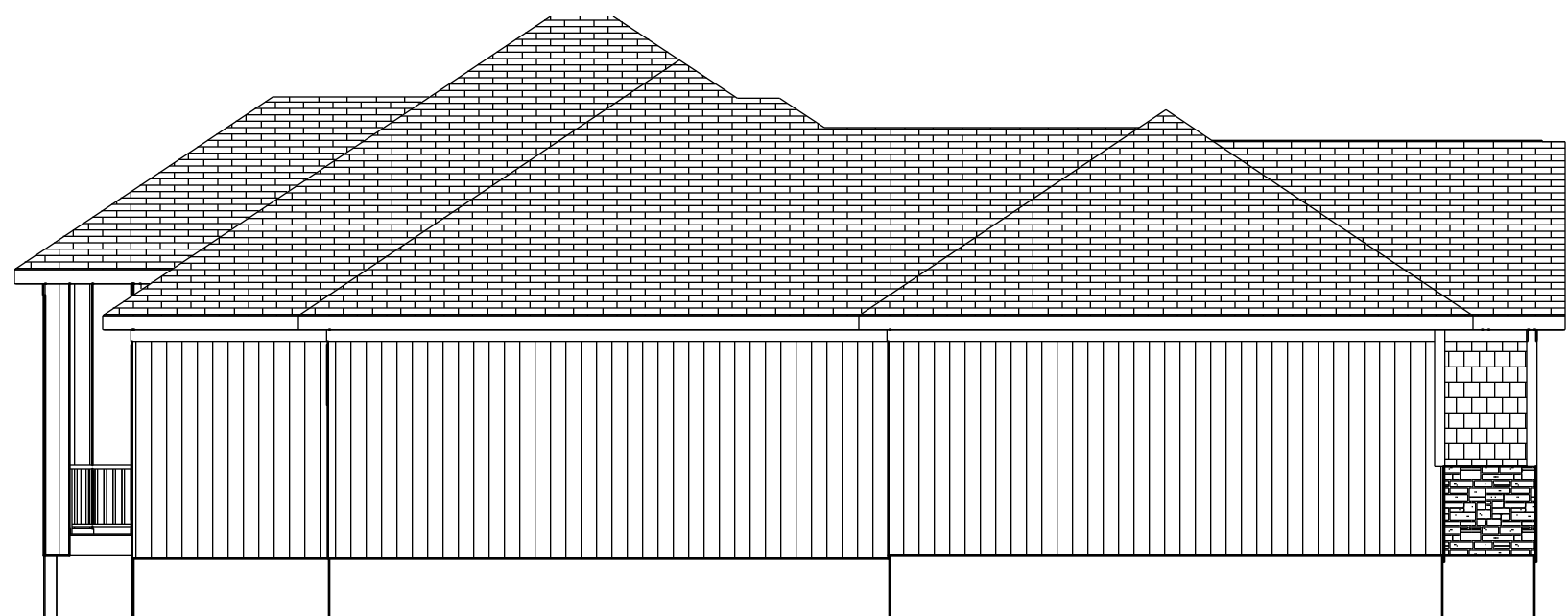


16" SOFFITS TYP.
2 X 6 DF NO 2 @ 16" MAX SPAN 14-4 BETWEEN SUPPORTS



ROOF PLAN
1/8 = 1-0
ROOF PITCHES 8/12 U.N.O.
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
LP SIDING PANEL SIDING



REAR EL.
1/8 = 1-0
LP SIDING PANEL SIDING



LP SIDING PANEL SIDING, STONE,
SHAKE AND BOARD & BATT SIDING
RIGHT EL.
1/8 = 1-0



FRONT EL.
STONE, SHAKE AND BOARD & BATT
SIDING

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/09/2025



11871 SE STATE ROUTE H
AGENCY MO 64401
LEERHOAD.COM 816-244-6588
LEERHOAD@GMAIL.COM
W. LEE RHOD AIA
ARCHITECT

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

JW THOMAS
SILVERTON PLAN
LOT 13 WOODLAND OAKS
2516 NE WOODLAND OAK CIR
LEE SUMMIT MO

CHARLIES /
CHRISTINE

SCALE
1/4" = 1-0

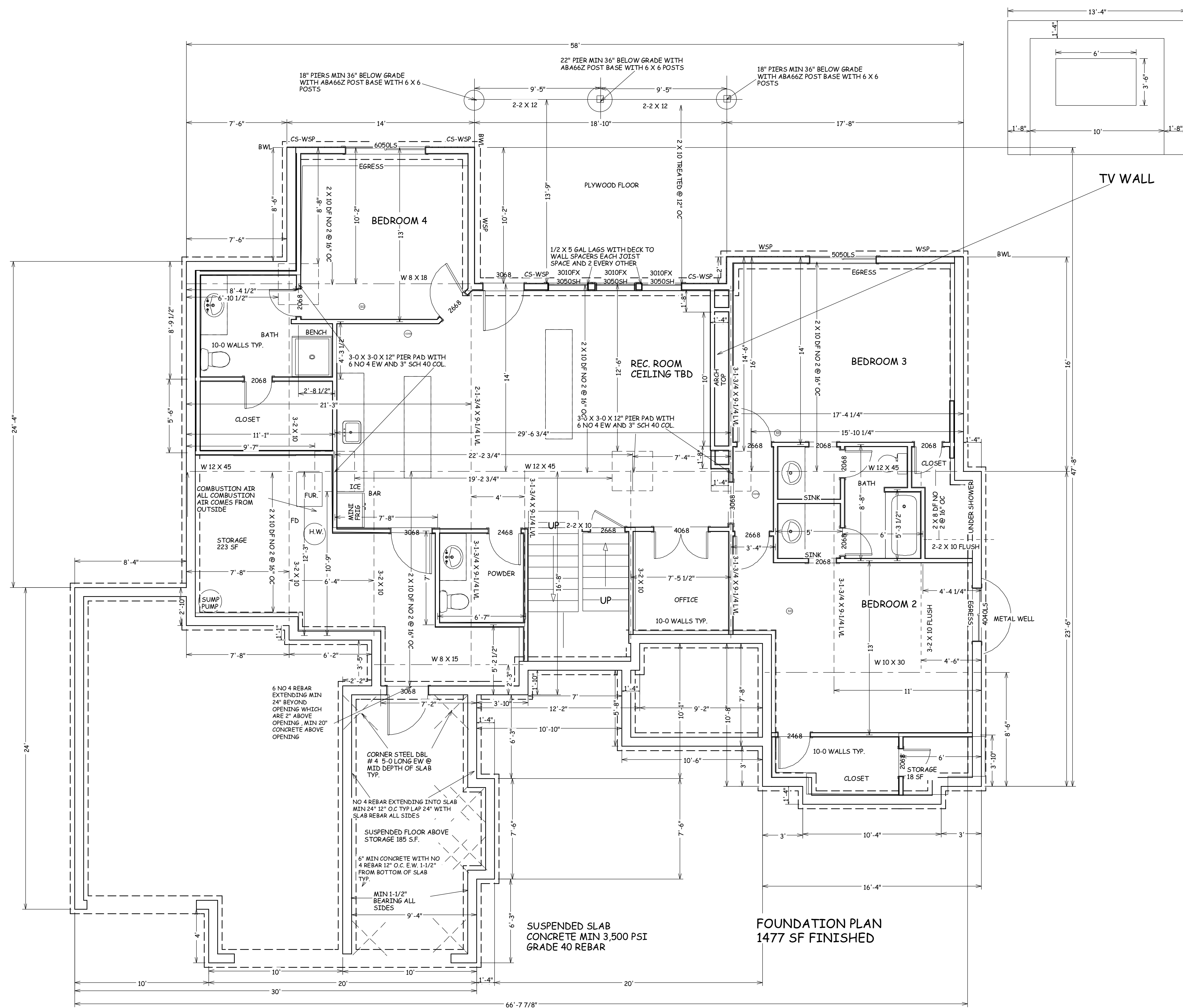
DATE
9-15-25

PLAN NO.

4479

SHEET NO.

1 OF 5



W. LEE RHOD AIA
ARCHITECT
11871 SE STATE ROUTE H
AGENCY MO 64401
LEERHOD.COM 816-244-6588
LEERHOD@GMAIL.COM

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LOT 13 WOODLAND OAKS
2516 NE WOODLAND OAK CIR
LEE SUMMIT MO

CHARLIES /
CHRISTINE

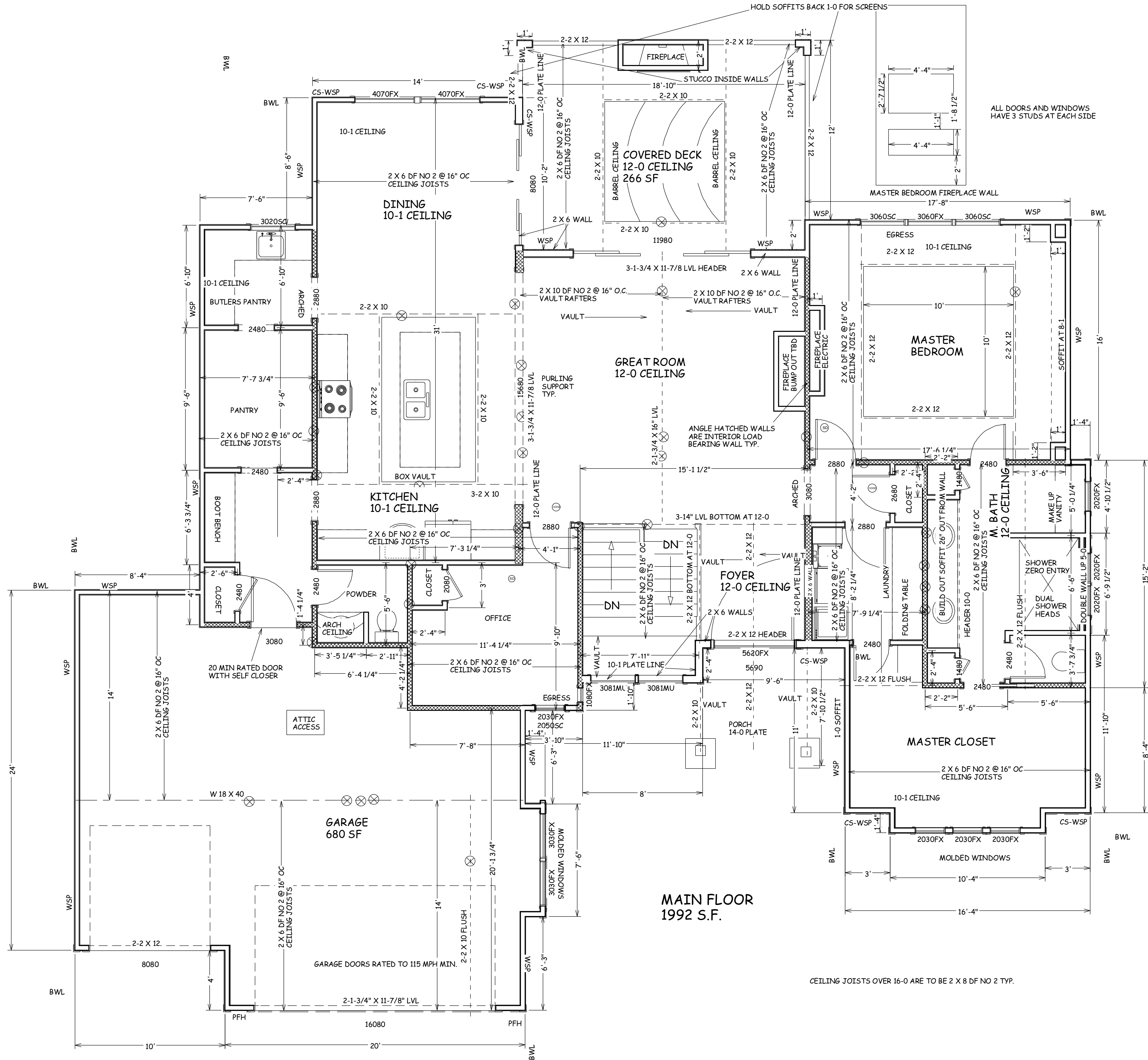
SCALE
1/4" = 1'-0"

DATE
9-15-25

PLAN NO.

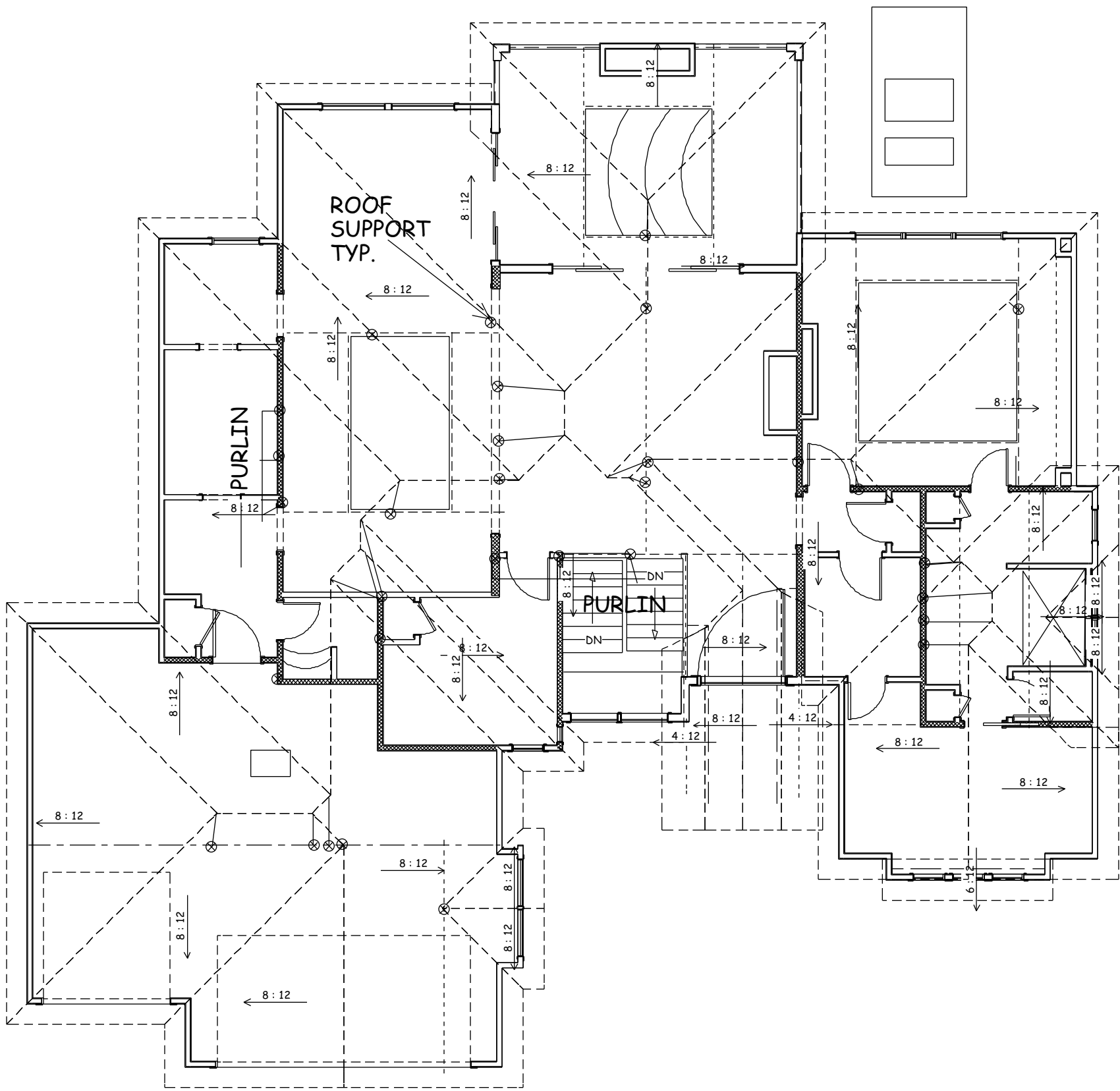
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SHEET NO.



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BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.	
JW THOMAS SILVERTON PLAN LOT 13 WOODLAND OAKS 2516 NE WOODLAND OAK CIR LEE SUMMIT MO	
CHARLIES / CHRISTINE	
SCALE 1/4" = 1-0	
DATE 9-15-25	
PLAN NO.	
4479	
SHEET NO.	
3 OF 5	

16" SOFFITS TYP.
2 X 6 DF NO 2 @ 16" MAX SPAN 14-4 BETWEEN SUPPORTS

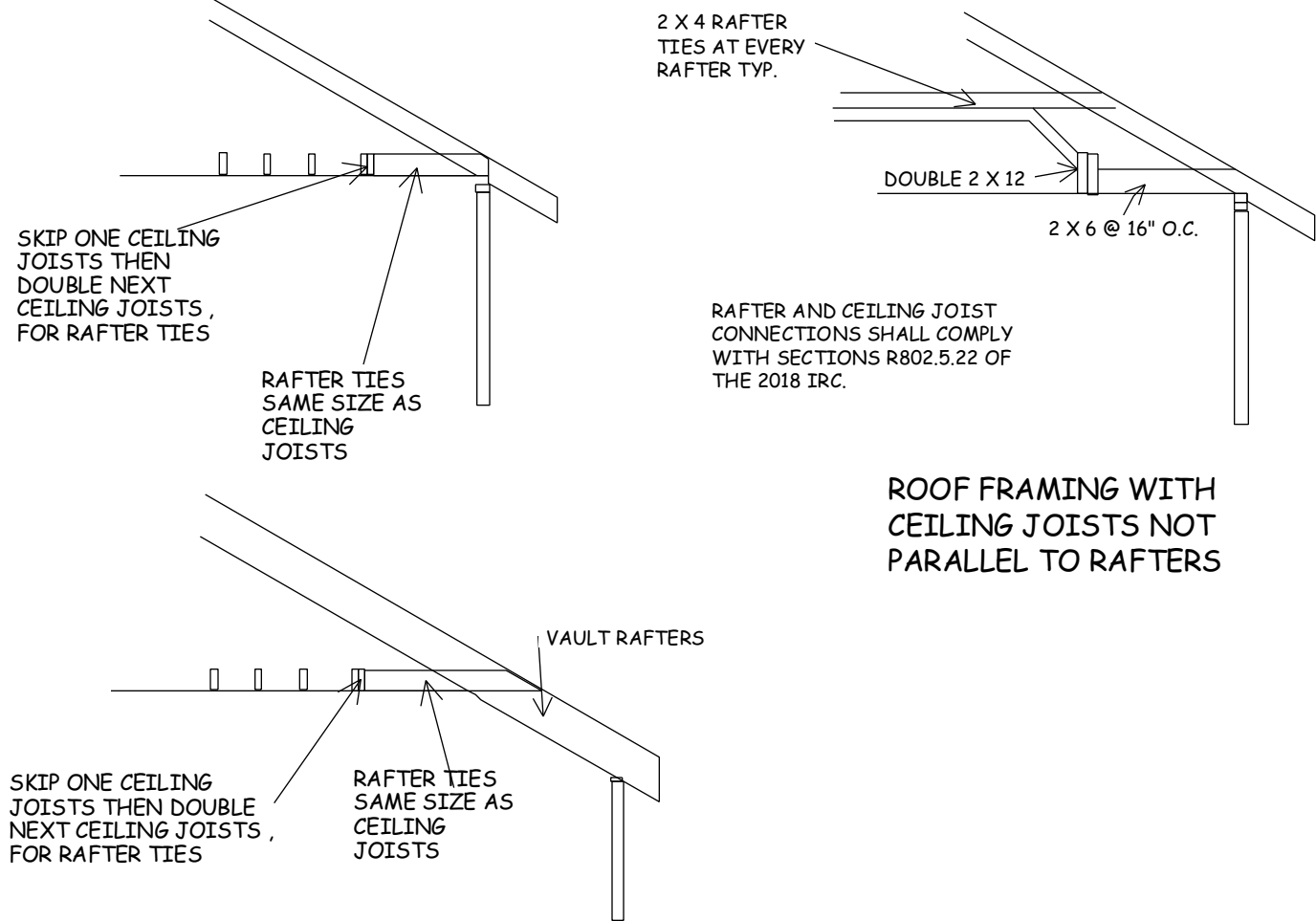


PURLIN PLAN
1/8 = 1'-0
ROOF PITCHES 8/12
RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.
HIPS AND RIDGES 2 X 8 DF NO 2 TYP.

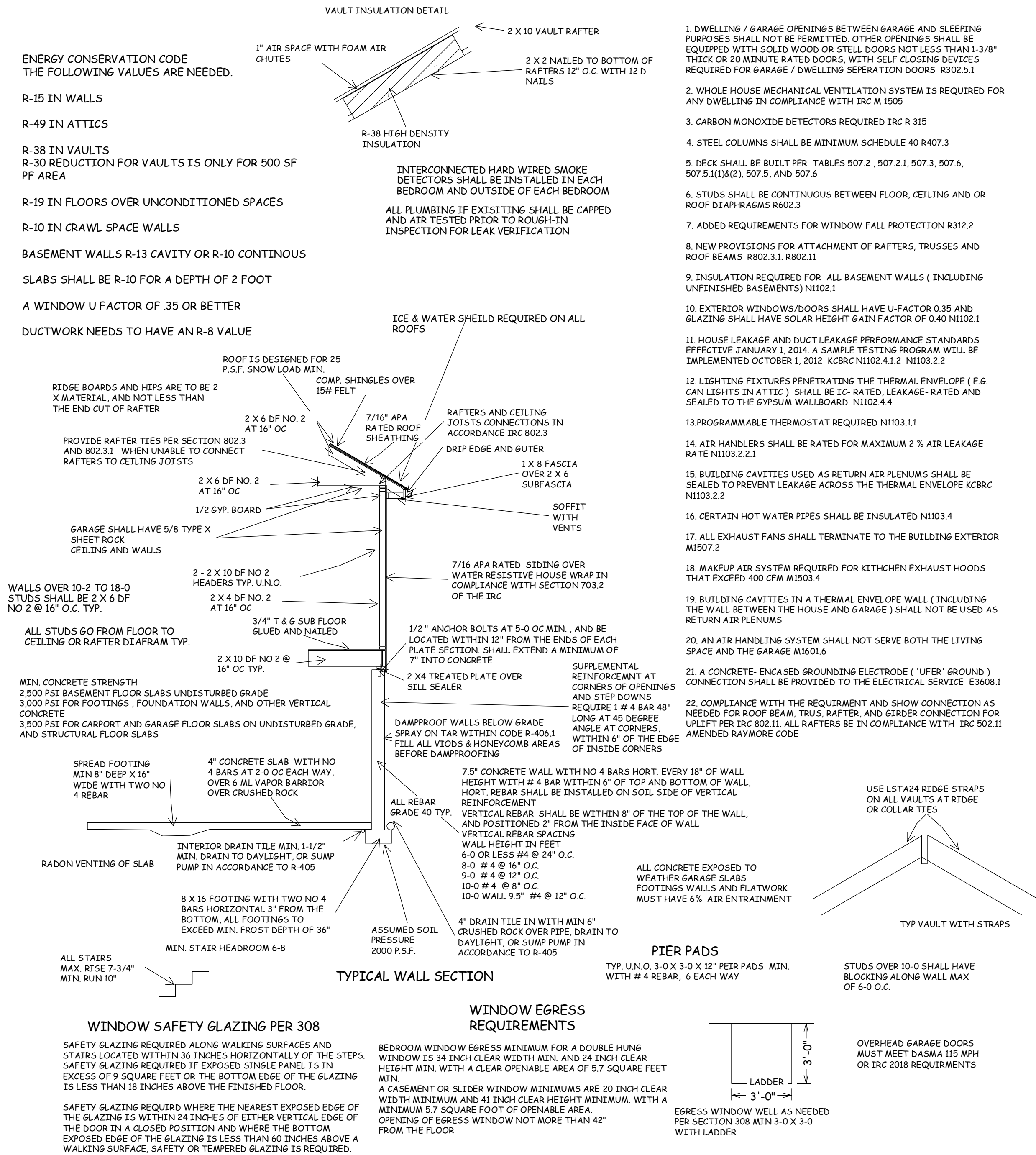
PURLIN LEG O.C. SUPPORT
2 X 6 DF NO 2 4'-0"
2 X 8 DF NO 2 5'-4"
2 X 10 DF NO 2 8'-0"
2 X 12 DF NO 2 9'-6"

SUPPORT LEG FOR PURLINS
2 X 4 8'-0"
2 X 4 W 2 X 4 T - BRACE 9'-7"
2 X 6 W 2 X 6 T - BRACE 17'-2"
2 X 8 W 2 X 6 T - BRACE 17'-4"

NOTE: LOCATE RAFTER TIES
AS NEAR AS PRACTICAL TO
THE TOP OF CEILING JOISTS



RAFTER TIES



ALL POINT LOADS SHALL HAVE A MINIMUM OF 2 STUDS UNLESS NOTED OTHERWISE



11871 SE STATE ROUTE H
AGENCY MO 64401
LEERHOAD.COM 816-244-6588
LEERHOAD@GMAIL.COM

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CHARLIES /
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SCALE
1/4" = 1'-0

DATE
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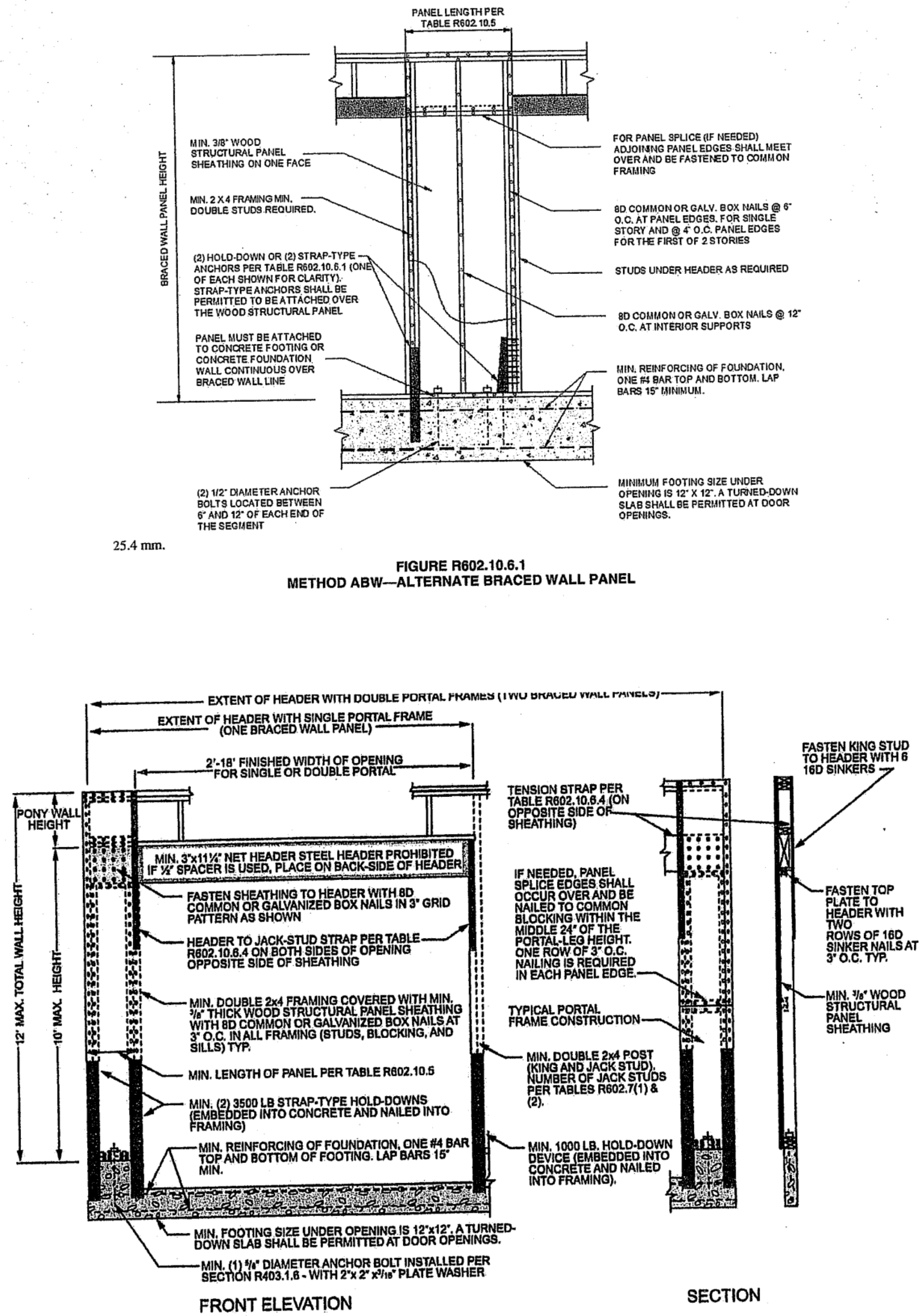
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TABLE R602.10.2(1) BRACING REQUIREMENTS BASED ON WIND SPEED						
EXPOSURE CATEGORY B 35-FOOT MEAN ROOF HEIGHT 15-FOOT WALL HEIGHT 2 BRACED WALL LINES		MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE ^a				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing (feet)	Method LIB ^b	Method GB	Methods DWB, WSP, SFB, PBS, PCP, HFS, BV-WSP, ABW, PFP, PFC, CS-SFB	Methods CS-WSP, CS-PF
≤ 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	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



4 mm, 1 foot = 304.8 mm.

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

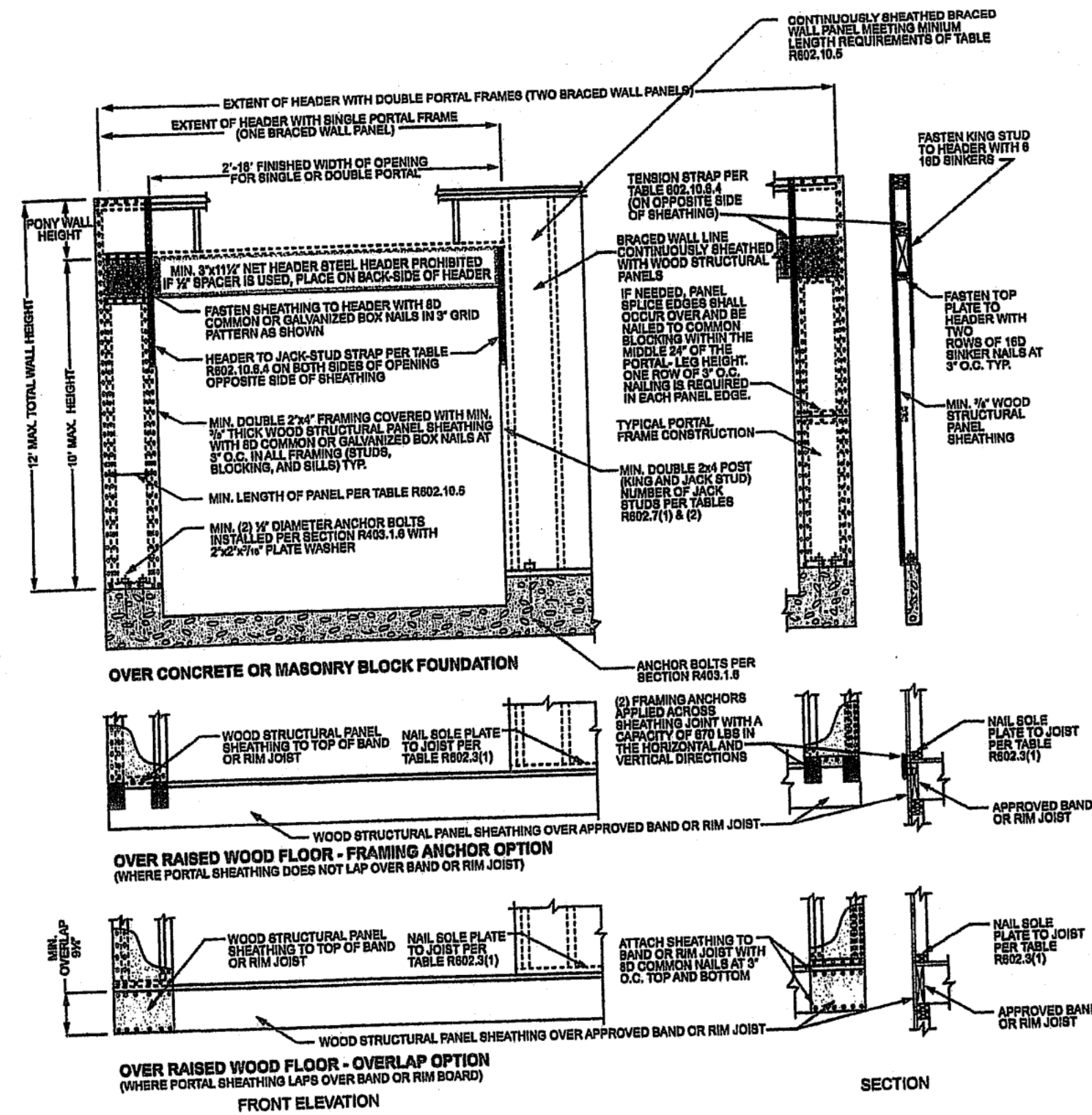
TABLE R602.10.4 BRACING METHODS					
METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a		
Intermittent Bracing Methods	LIB Let-in bracing		Fasteners Wood: 2-8d common nails or 3-8d (2 1/2\"/>	Spacing Wood: per stud and top and bottom plates Metal: per manufacturer	
	DWB Diagonal wood boards		2-8d (2 1/2\"/>	Per stud	
	WSP Wood structural panel (See Section R604)		Exterior sheathing per Table R602.3(3) Interior sheathing per Table R602.3(1) or R602.3(2)	6\"/>	
	BV-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)		8d common (2 1/2\"/>	4\"/>	
	SFB Structural fibroboard sheathing		1 1/2\"/>	3\"/>	
	GB Gypsum board		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\"/>	
	PBS Particleboard sheathing (See Section R605)		For 1/2\"/>	3\"/>	
	PCP Portland cement plaster		1 1/2\"/>	6\"/>	
	HFS Hardboard panel siding		0.092\"/>	4\"/>	
	ABW Alternate braced wall		See Section R602.10.6.1	See Section R602.10.6.1	

TABLE R602.10.5 MINIMUM LENGTH OF BRACED WALL PANELS						
METHOD (See Table R602.10.4)	MINIMUM LENGTH ^a (inches)					CONTRIBUTING LENGTH (inches)
	Wall Height					
	8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, PBS, PCP, HFS, BV-WSP	48	48	48	53	58	Actual ^b
GB	48	48	48	53	58	Double sided = Actual Single sided = 0.5 x 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
	SDC D ₁ , D ₂ and D ₃ , ultimate design wind speed < 140 mph	32	32	34	NP	NP
CS-G	Adjacent clear opening height (inches)	24	27	30	33	36
CS-WSP, CS-SFB	≤ 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	—	—	—	—	65
	144	—	—	—	—	72
METHOD (See Table R602.10.4)						
PFFH	Supporting roof only	16	16	16	Note c	Note c
	Supporting one story and roof	24	24	24	Note c	Note c
PFG		24	27	30	Note d	Note d
CS-PF	SDC A, B and C	16	18	20	Note e	Note e
	SDC D ₁ , D ₂ and D ₃	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.
a. Linear interpolation shall be permitted.
b. Use the actual length when it is greater than or equal to the minimum length.
c. Maximum header height for PFF 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.

TABLE R602.10.4—continued BRACING METHODS					
METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a		
Intermittent Bracing Methods	PFF Portal frame with hold-downs		See Section R602.10.6.2	See Section R602.10.6.2	
	PFG Portal frame at garage		See Section R602.10.6.3	See Section R602.10.6.3	
Continuous Sheathing Methods	CS-WSP Continuously sheathed wood structural panel		Exterior sheathing per Table R602.3(3) Interior sheathing per Table R602.3(1) or R602.3(2)	6\"/>	
	CS-G ^b Continuously sheathed wood structural panel adjacent to garage openings		See Method CS-WSP	See Method CS-WSP	
	CS-PF Continuously sheathed portal frame		See Section R602.10.6.4	See Section R602.10.6.4	
	CS-SFB ^b Continuously sheathed structural fibroboard		1 1/2\"/>	3\"/>	

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, D₁, D₂ and D₃.
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 D₁, D₂ and D₃ 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 D₁, D₂ and D₃.
e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D₁ through D₃ only.



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

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

11871 SE STATE ROUTE H
AGENCY MO 64401
LEERHOAD.COM 816-244-6588
LEERHOAD@GMAIL.COM

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1/4" = 1-0

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