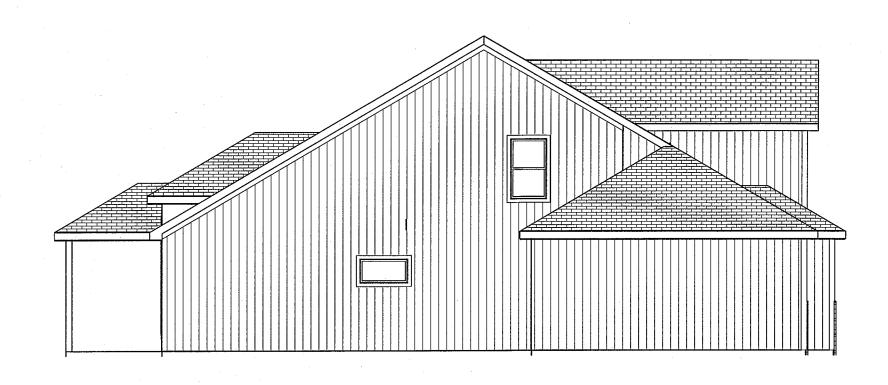


ROOF PLAN 1/8 = 1-0 ROOF PITCHES 7/12 U.N.O. RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP. U.N.O. HIPS AND RIDGES 2 X 8 DF NO 2 TYP. U.N.O.

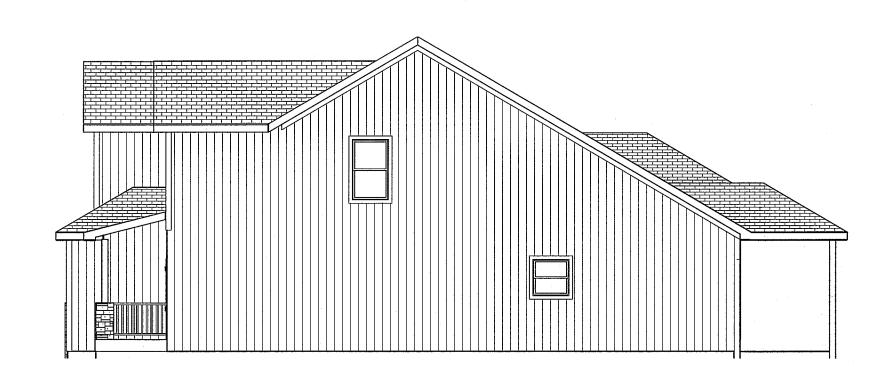


LEFT EL. 1/8 = 1-0

3 SIDES LP PANEL SIDING



FRONT EL. BOARD & BATT, LAP AND STONE

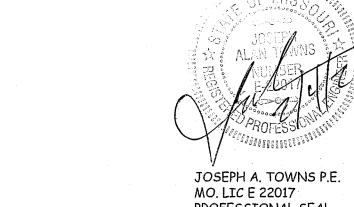


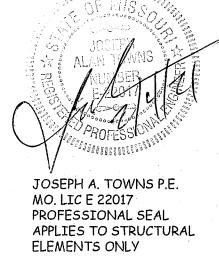
RIGHT EL. 1/8 = 1-0

3 SIDES LP PANEL SIDING



REAR EL. 1/8 = 1-0





SCALE

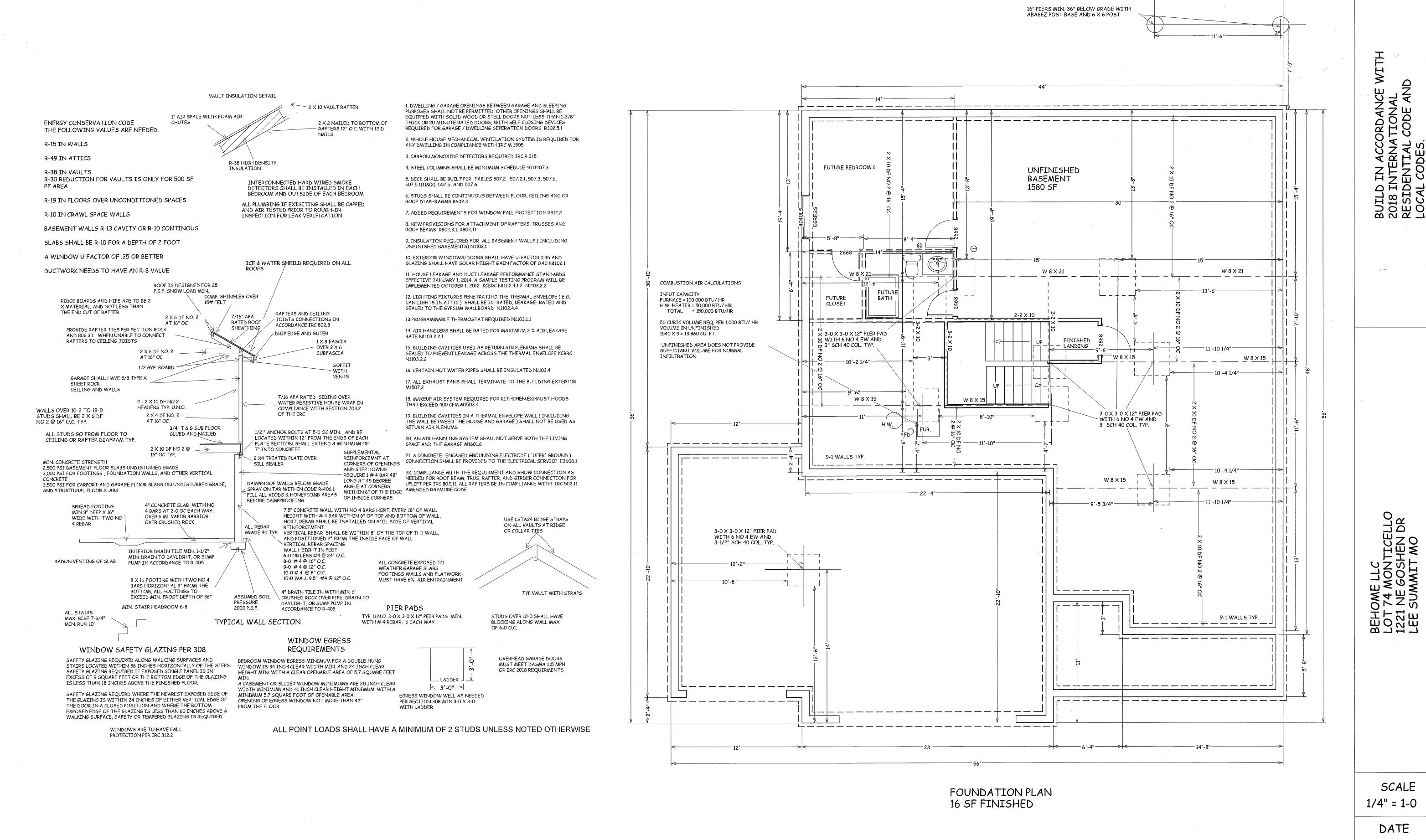
1/4" = 1-0

DATE 2-4-21

PLAN NO.

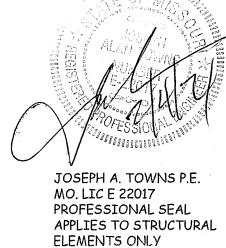
SHEET NO.

1 OF 5



**RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES** 

LEE'S SUMMIT, MISSOURI



SCALE 1/4" = 1-0

CLO DR

200

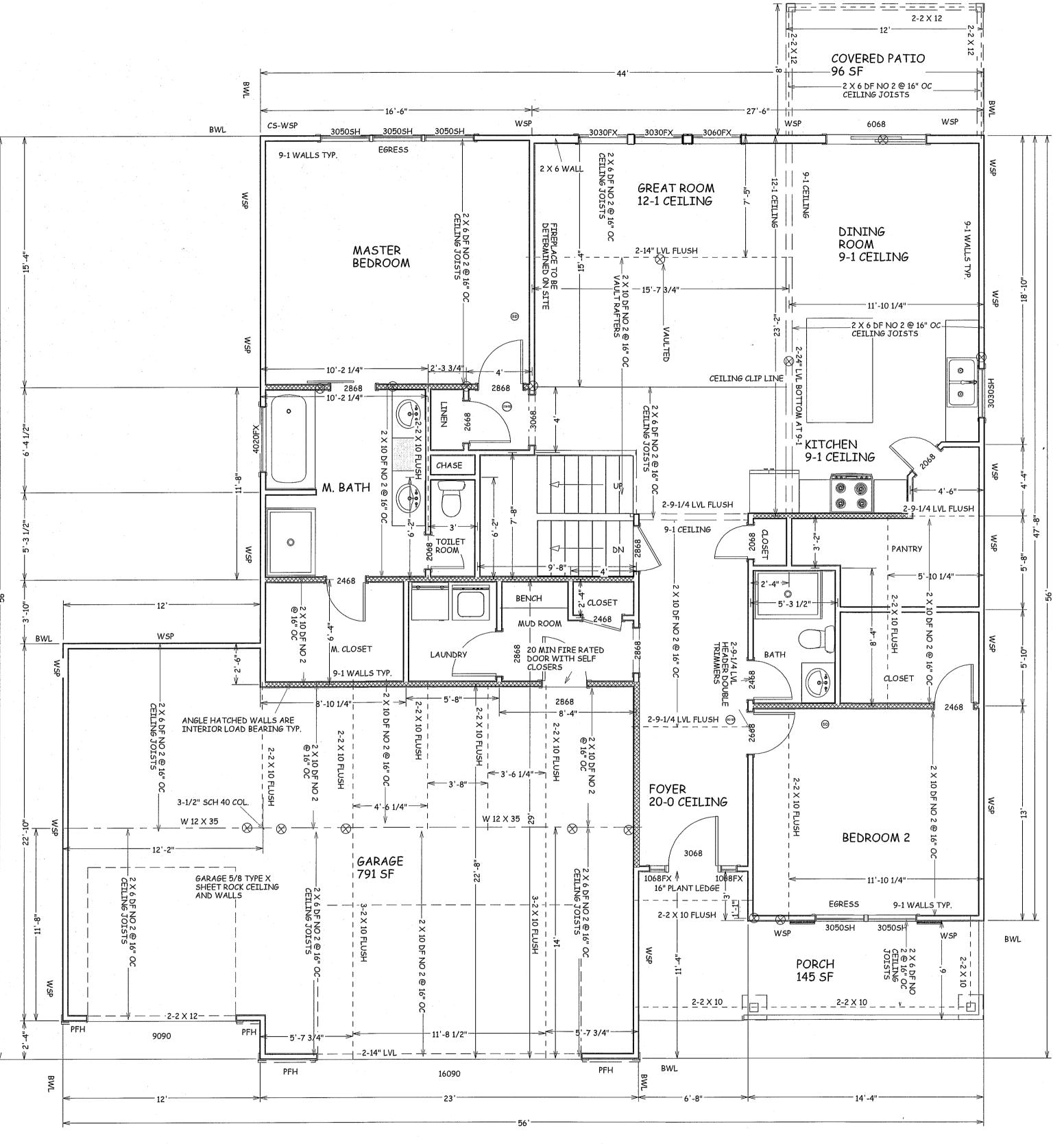
DATE

2-4-21

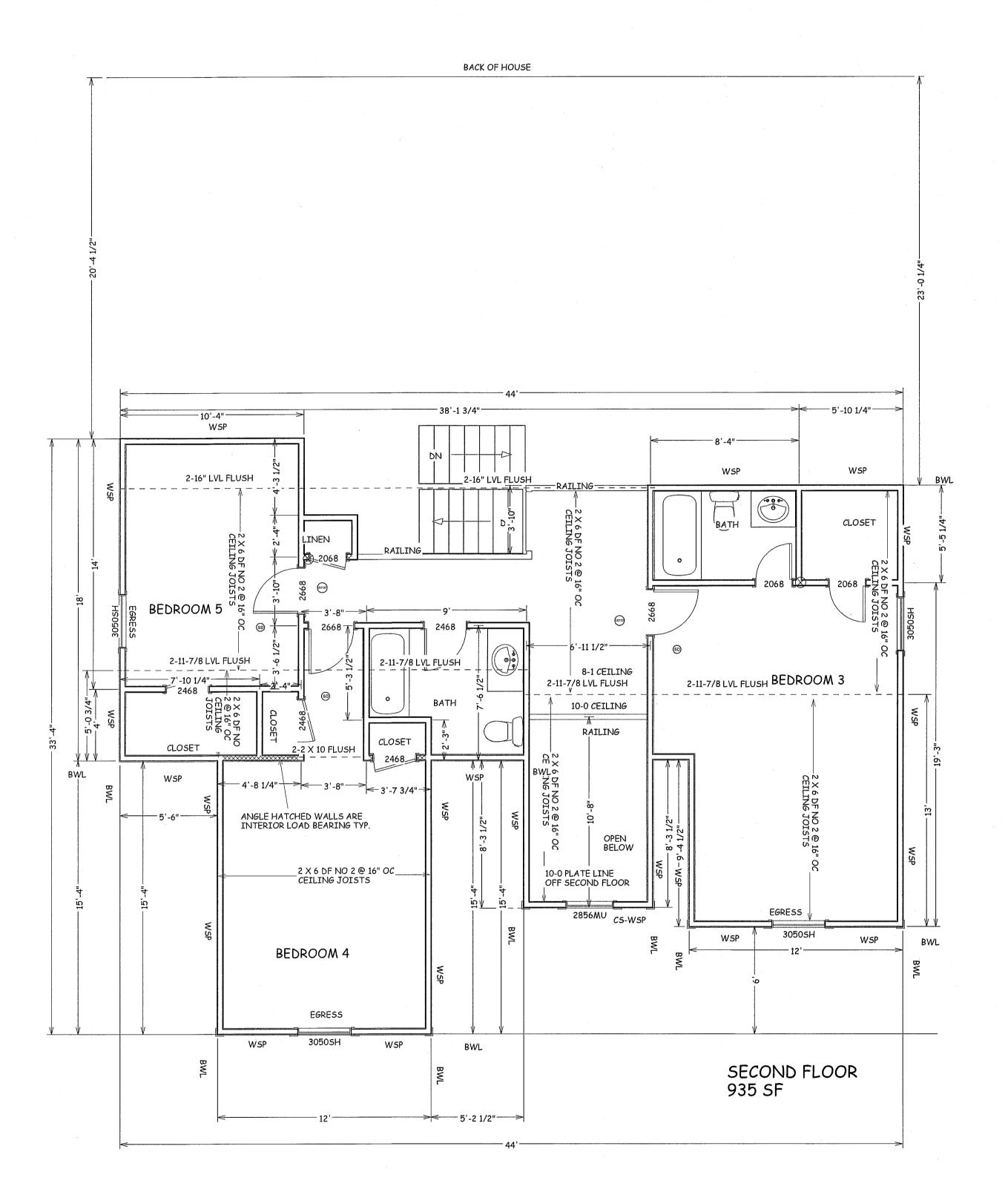
PLAN NO.

SHEET NO.

2 OF 5



MAIN FLOOR 1754 SF







JOSEPH A. TOWNS P.E. MO. LIC E 22017
PROFESSIONAL SEAL
APPLIES TO STRUCTURAL
ELEMENTS ONLY

N ACCORDANCE WITH TERNATIONAL VTIAL CODE AND ODES. BUILD IN A 2018 INTER RESIDENT LOCAL COL

BEHOME LLC LOT 74 MONTICELLO 1221 NE GOSHEN DR LEE SUMMIT MO

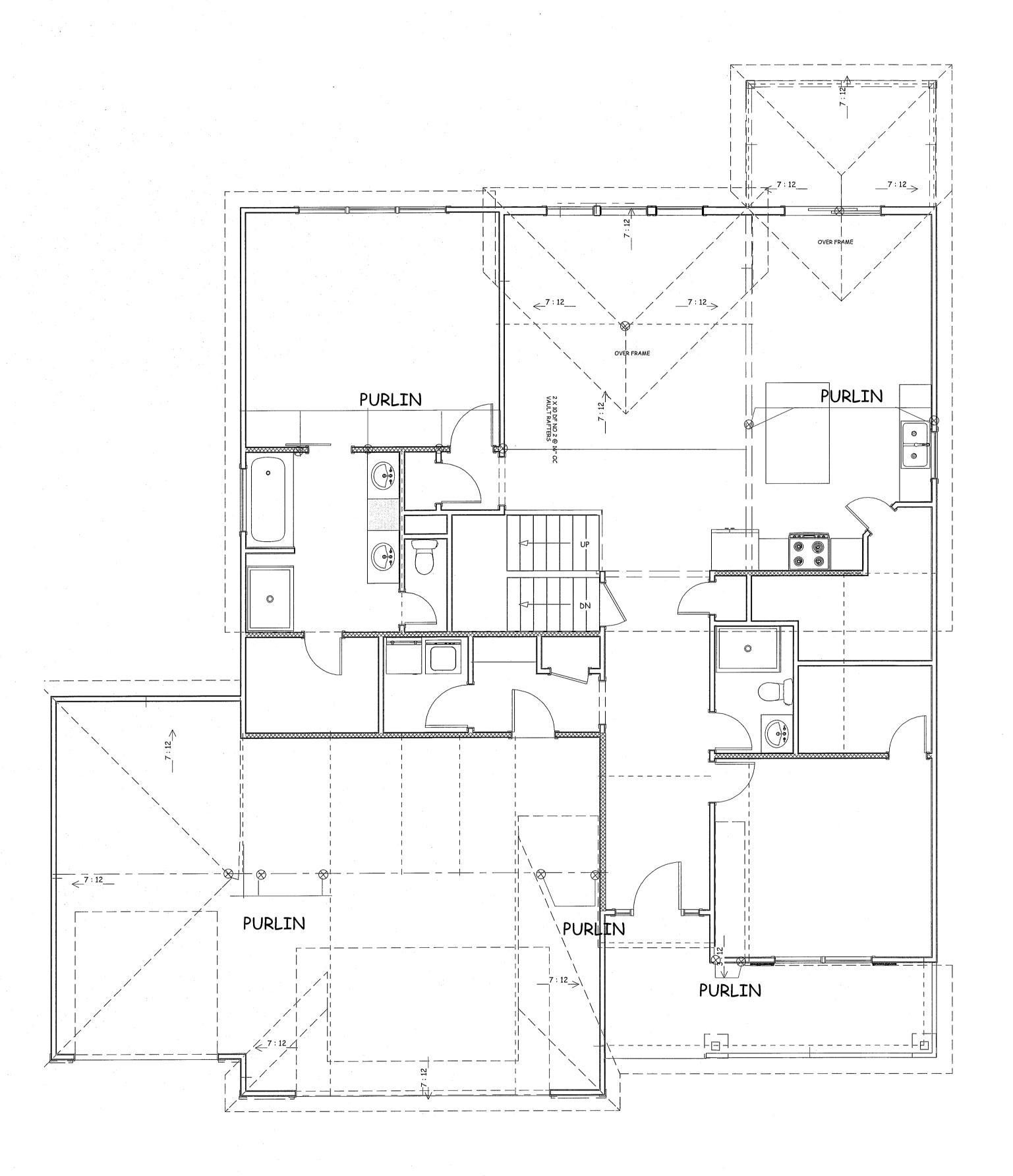
SCALE 1/4" = 1-0

DATE

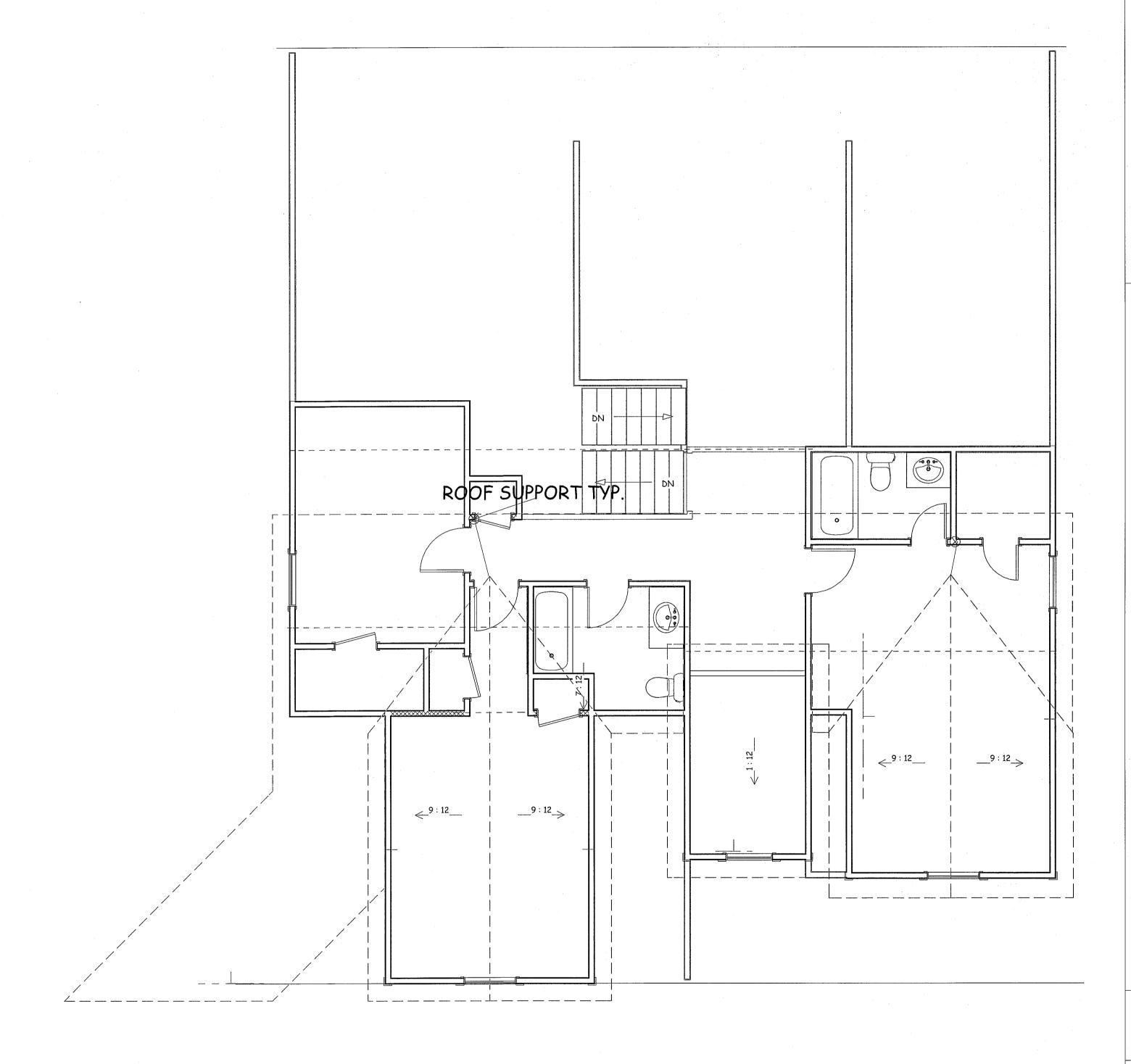
2-4-21

PLAN NO.

SHEET NO. 3 OF 5

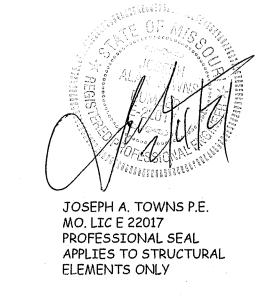


MAIN FLOOR PURLIN PLAN



SECOND FLOOR PURLIN PLAN





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

> BEHOME LLC LOT 74 MONTICELLO 1221 NE GOSHEN DR LEE SUMMIT MO

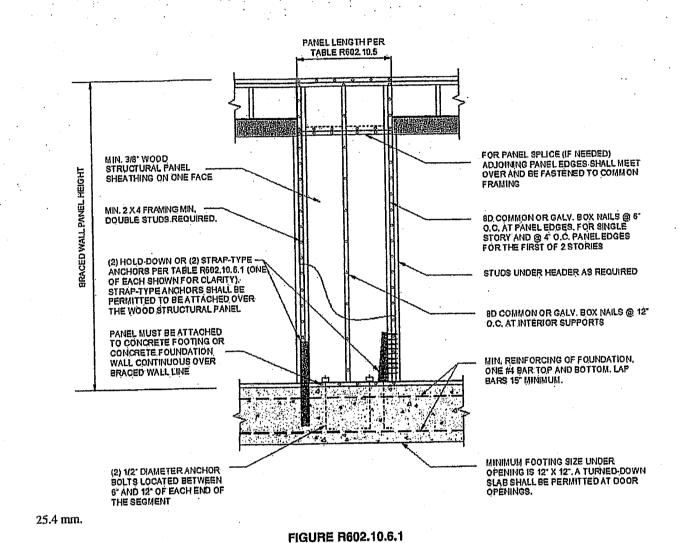
SCALE 1/4" = 1-0

DATE 2-4-21

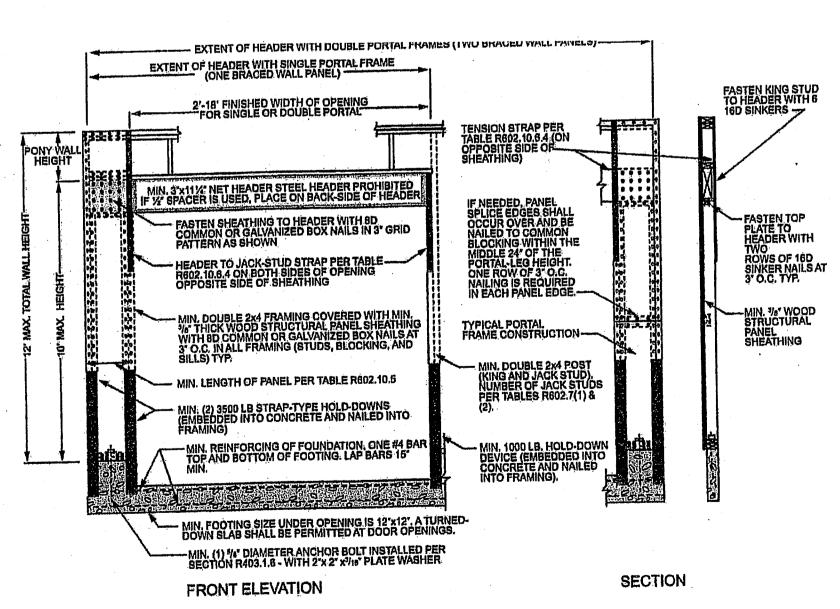
PLAN NO.

3356

SHEET NO.
4 OF 5

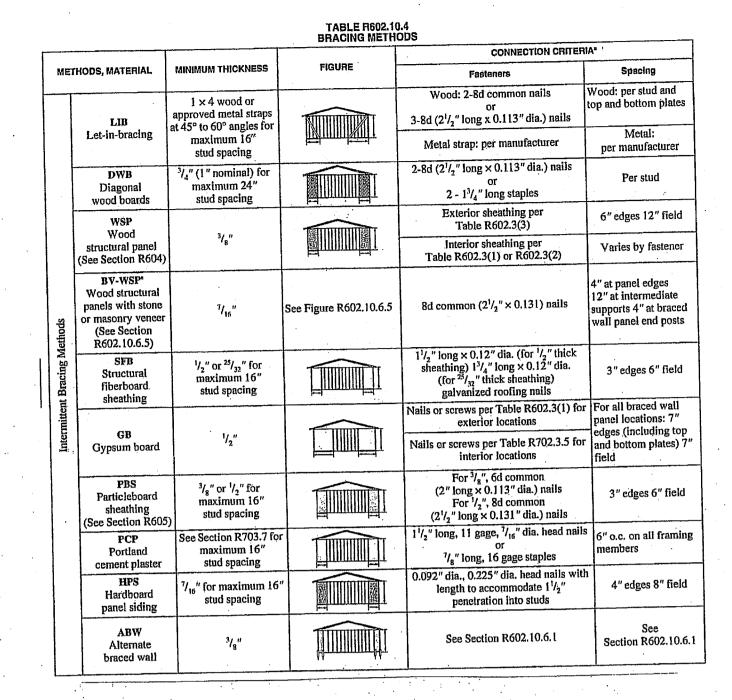


METHOD ABW-ALTERNATE BRACED WALL PANEL



4 mm, 1 foot = 304.8 mm.

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

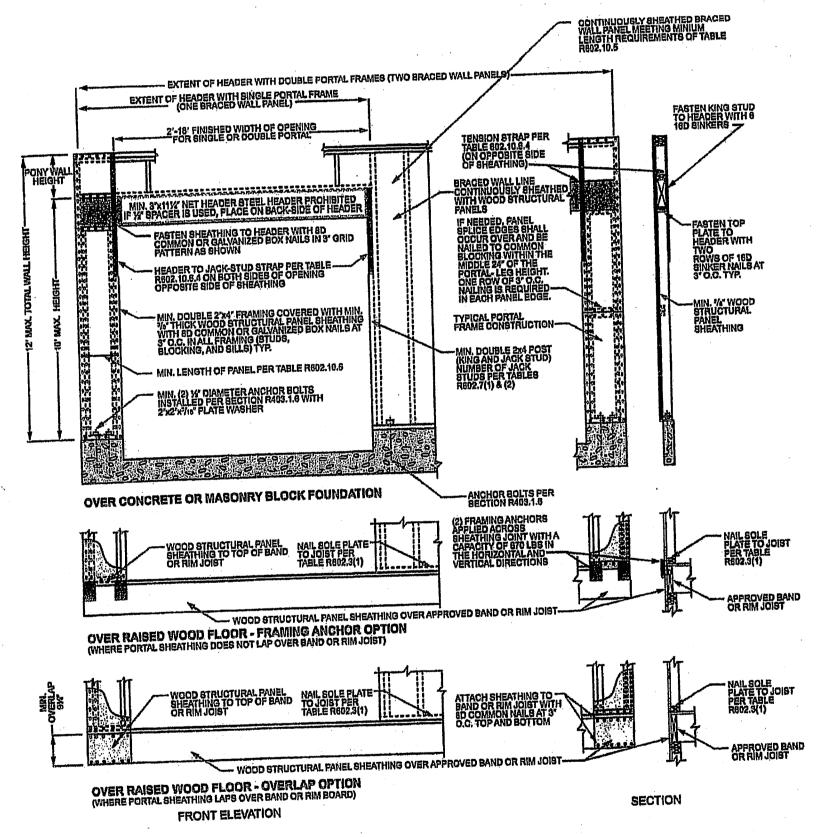


,			MINI	CONTRIBUTING LENGTH			
METHOD (See Table R602.10.4)  DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP		(Inches) Wall Height					(Inches)
		8 feet   9 feet   10 feet   11 feet   12 feet				12 feet	_
		48	48	48	53	58	Actual
GB		48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actua
LIB		55	62	69	NP	NP	Actual <sup>6</sup>
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 <sup>b</sup>
	Adjacent clear opening height (inches)						Actual <sup>b</sup>
	≤ 64	24	27	30	33	36	
	68	26	27	30	33	36 36	
	72	27	27	30	33	36	
	76	30	29	30	33	36	
	80	32	30	30	33 33	36	
	84	35	32	32	33	36	
	88	38	35	33 35	35	36	
	92	43	37	38	36	36	
	96	48	41	40	38	38	
CS-WSP, CS-SFB	100		44	43	40	39	
	104		54	46	43	41	
	108			50	45	43	
	112			55	48	45	
	120			60	52	48	
	124				56	51	
	128			-	61	54	
	132				66	58	7
	136					62	
	140					66	
	144				<del>                                     </del>	72	
Ň	METHOD	Portal header height					
(See Table R602,10.4)		8 feet	9 feet	10 faet	11 feet	12 feet	
	Supporting roof only	16	16	16	Note c	Note c	48
PFH	Supporting one story and roof		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	
	$\overline{SDCD_0}$ , $\overline{D_1}$ and $\overline{D_2}$	16	18	20	Note e	Note e	Actual
P = Not Permitted. Linear interpolation shal	foot = 304.8 mm, 1 mile per hour = 1 be permitted. ere it is greater than or equal to the m for PFH is 10 feet in accordance with		ngth.				· · · · · · · · · · · · · · · · · · ·

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

				CONNECTION CRITERIA'			
METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	Facteners	Specing		
g Methods	PFH Portal frame with hold-downs	7 <sub>8</sub> "		See Section R602.10.6.2	See Section R602.10.6.2		
Intermittent Bracing Methods	PFG Portal frame at garage	<sup>7</sup> / <sub>16</sub> "		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 <sup>5, c</sup> Continuously sheathed wood structural panel adjacent to garage openings	³/g″		See Method CS-WSP	See Method CS-WSP		
	CS-PF Continuously sheathed portal frame	7/ <sub>16</sub> "		See Section R602,10.6.4	See Section R602.10.6.		
	CS-SFB <sup>2</sup> Continuously sheathed structural fiberboard	1/2" or <sup>25</sup> /32" for maximum 16" stud spacing		1 <sup>1</sup> / <sub>2</sub> " long × 0.12" dia. (for <sup>1</sup> / <sub>2</sub> " thick sheathing) 1 <sup>3</sup> / <sub>8</sub> " long × 0.12" dia. (for <sup>25</sup> / <sub>32</sub> " thick sheathing) galvanized roofing nails	3" edges 6" field		

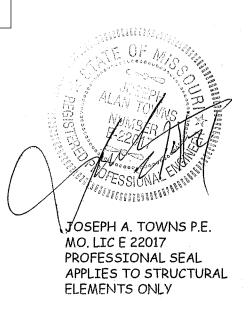
For SI: 1 inch = 25.4 mm, 1 fool = 304.8 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.8 N/m<sup>2</sup>, 1 mile per hour = 0.447 m/s. a. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C,  $D_0$ ,  $D_1$  and  $D_2$ . a. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D<sub>0</sub>, D<sub>1</sub> and D<sub>2</sub>.
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 D<sub>0</sub>, D<sub>1</sub> and D<sub>2</sub>, 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 D<sub>0</sub>, D<sub>1</sub> and D<sub>2</sub>.
e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D<sub>0</sub> through D<sub>2</sub> 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

CONSTRUCTION **AS NOTED ON PLANS REVIEW** DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI



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

SCALE 1/4" = 1-0

DATE

2-4-21 PLAN NO.

3356

SHEET NO.

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