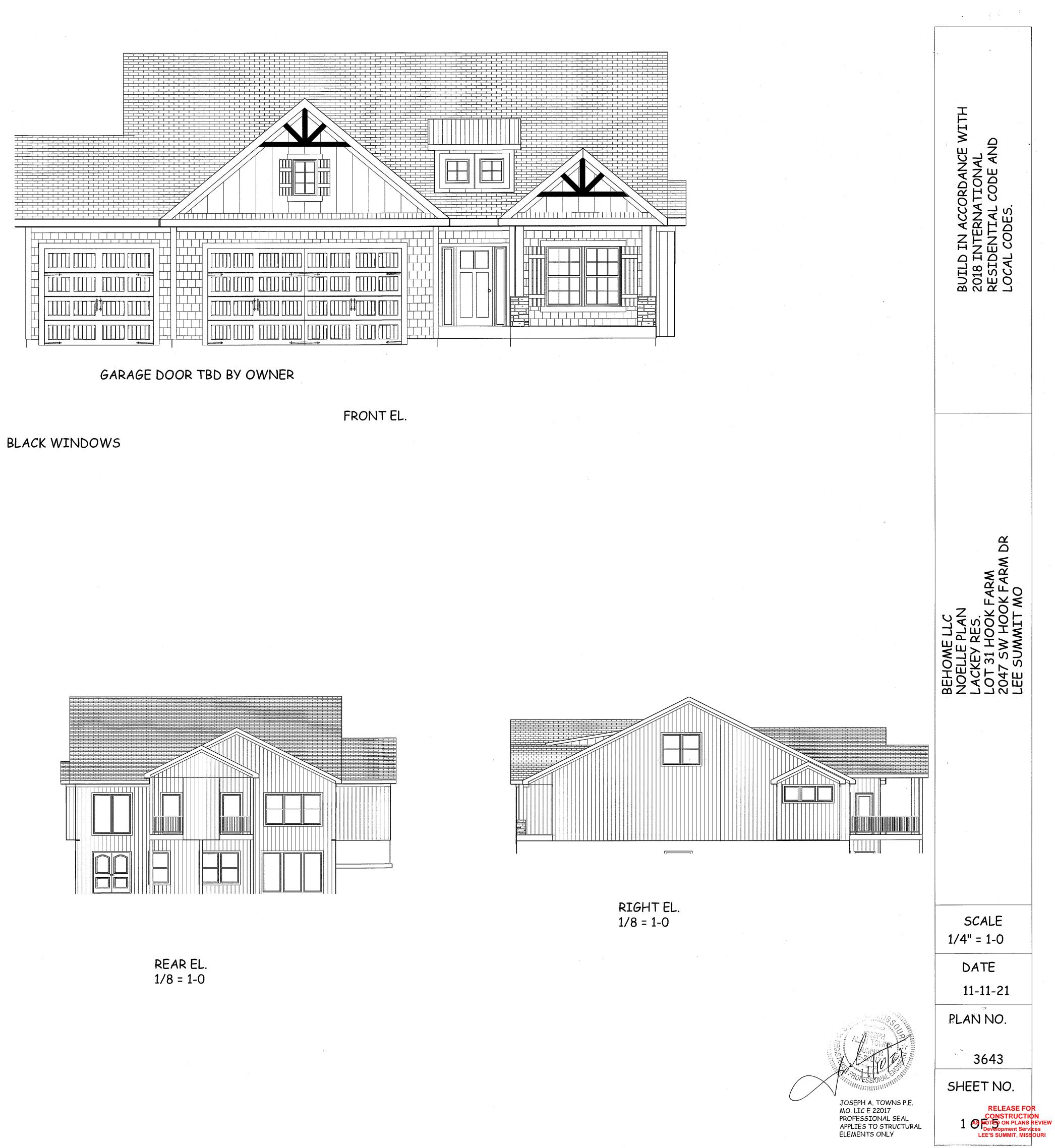
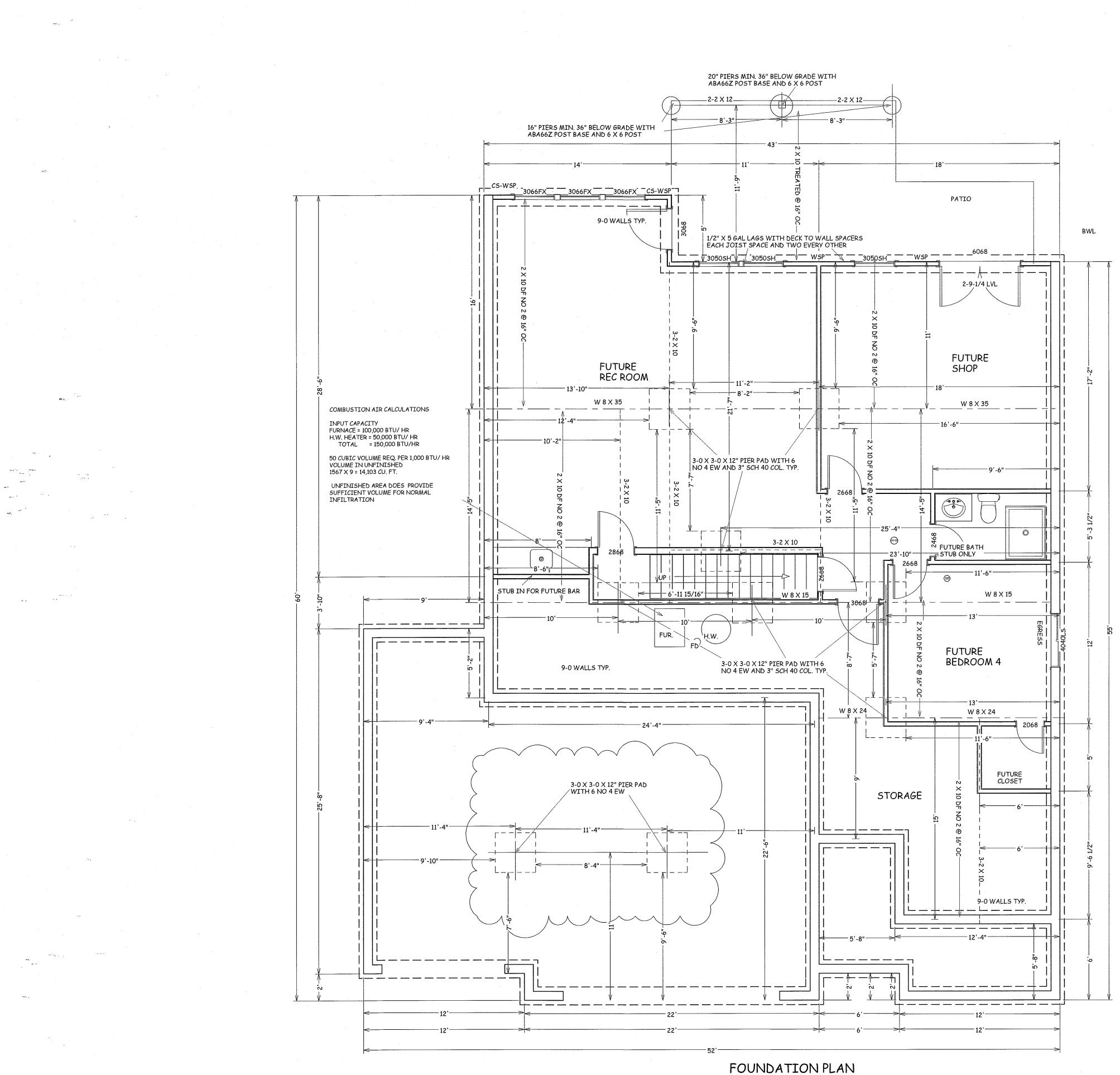


LEFT EL. 1/8 = 1-0



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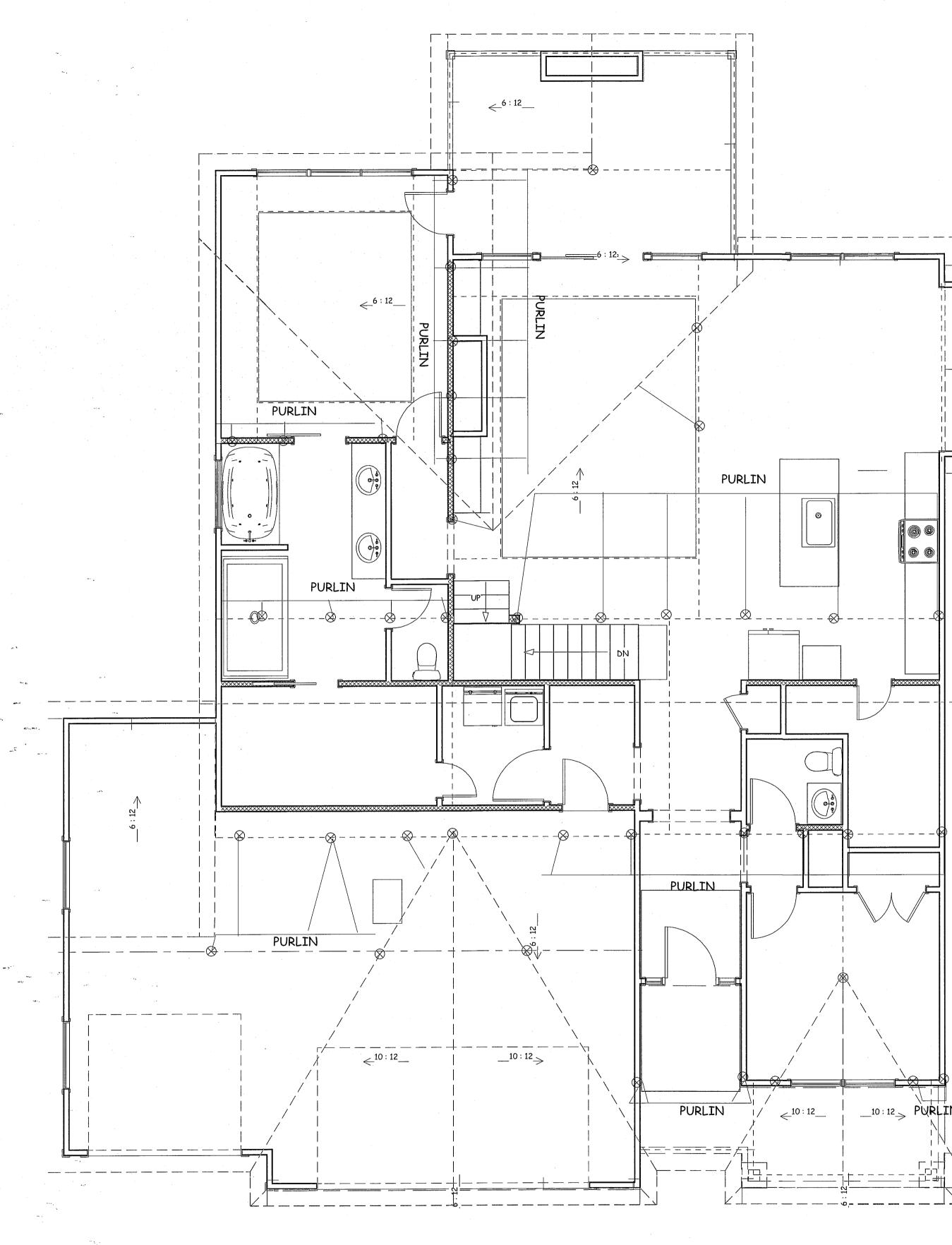




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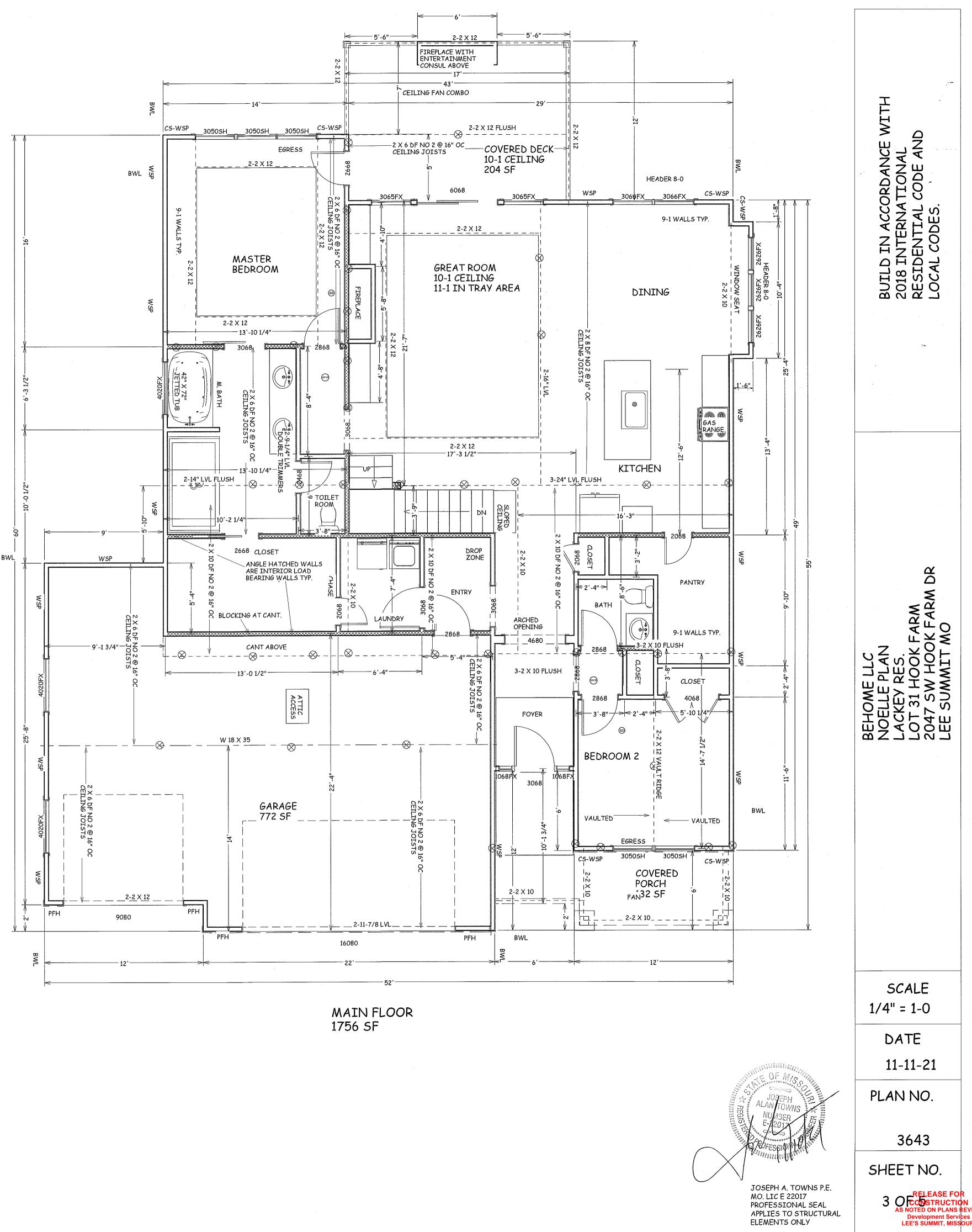
FOUNDATION PLAN 20 SF FINISHED 1567 SF UNFINISHED

BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES. DR FARM XK FARM MO OK NO <u>α</u> α 7 SUM BEHC NOEL LACK LACK LACK SCALE 1/4" = 1-0 DATE 11-11-21 PLAN NO. 3643 RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI SHEET NO. JOSEPH A. TOWNS P.E. MO. LIC E 22017 PROFESSIONAL SEAL APPLIES TO STRUCTURAL ELEMENTS ONLY 2 OF 5

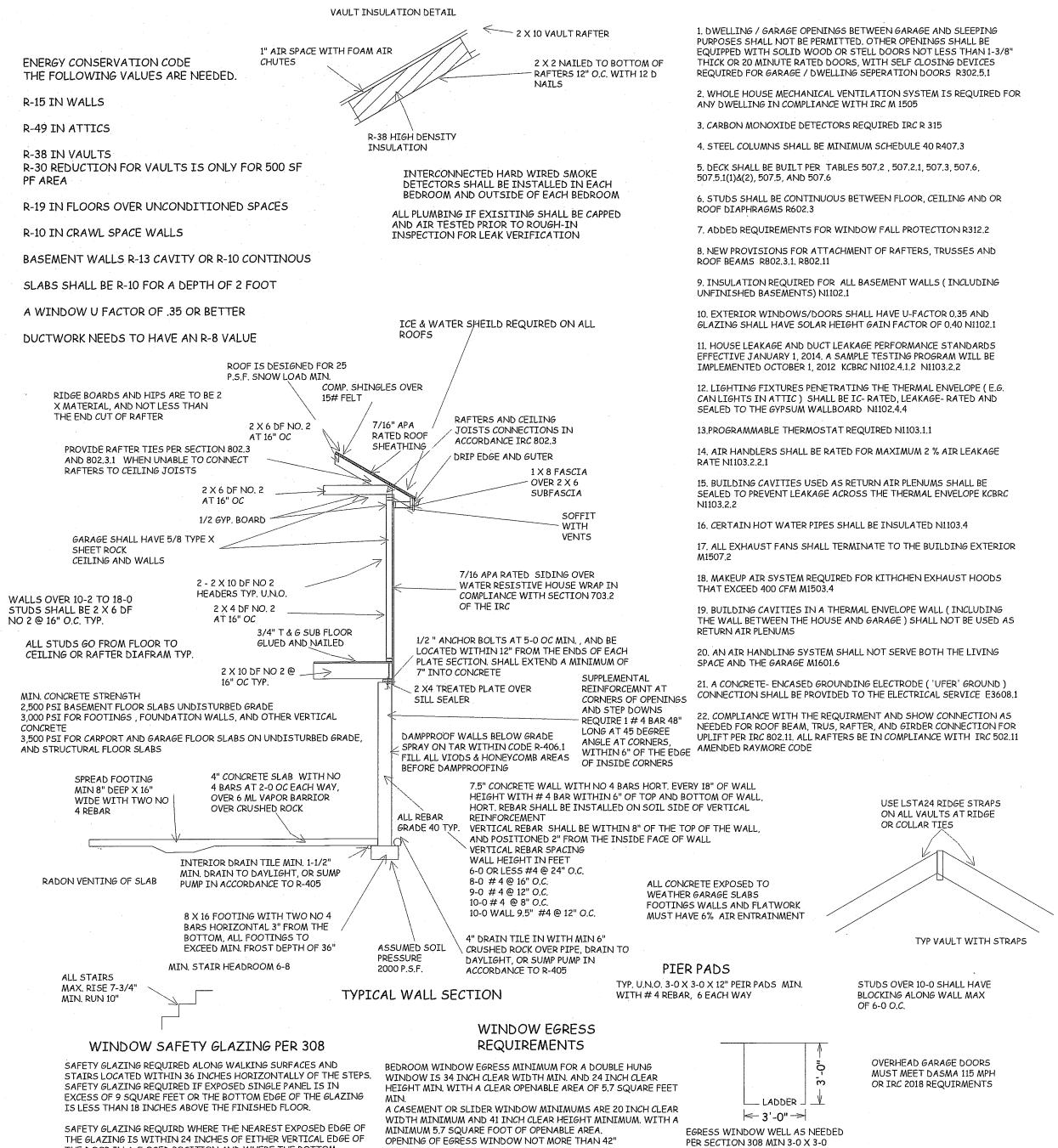


PURLIN PLAN ROOF PITCHES 6/12 U.N.O. RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP. HIPS AND RIDGES 2 X 8 DF NO 2 TYP. SOFFITS 12" TYP.

_____ 6



MAX. RAFTER SPAN 14-4



THE GLAZING IS WITHIN 24 INCHES OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE, SAFETY OR TEMPERED GLAZING IS REQUIRED.

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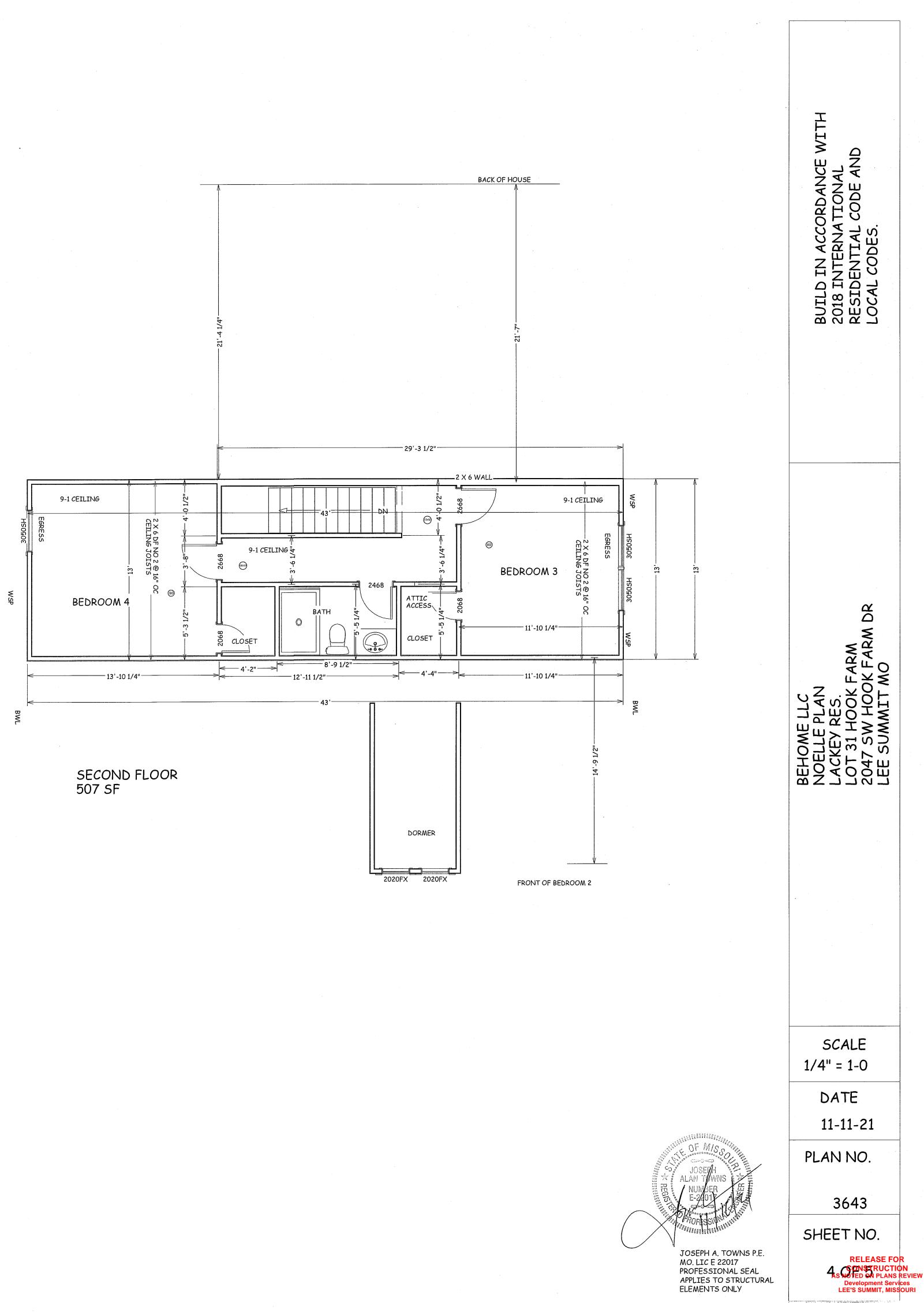
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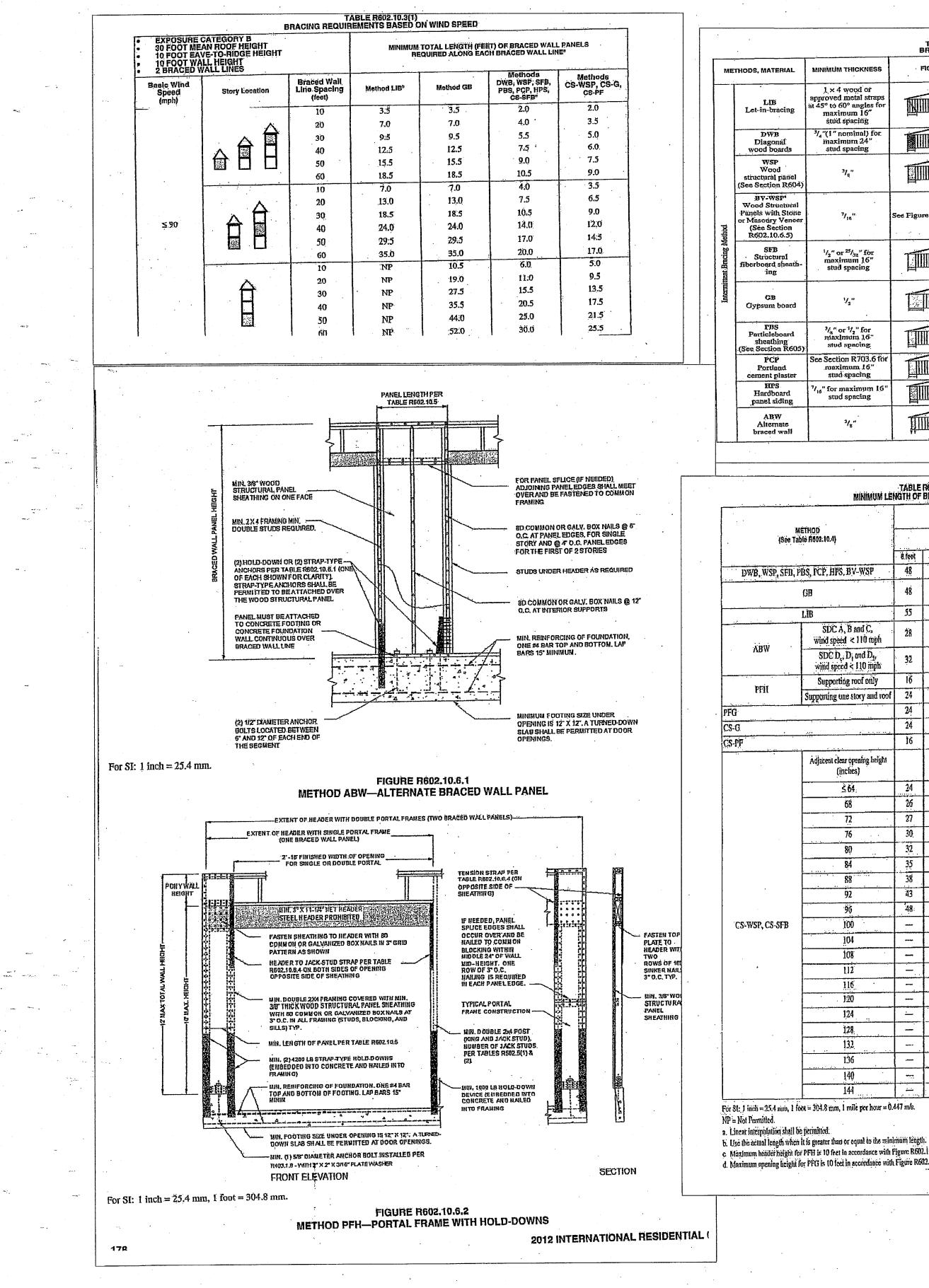
WINDOWS ARE TO HAVE FALL PROTECTION PER IRC 312.2

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

FROM THE FLOOR

WITHLADDER





		CONNECTION CRITERIA"		
IM THICKNESS	FIGURE	Fasleners	Spacing	
4 wood or ed 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	
5 60° angles for ximum 16″ id spacing		Metal strap: per manufacturer	Metal: per manufacturer	
' nominal) for ximum 24" id spacing		2-8d (2 ¹ / ₂ " long × 0.113" dia.) nails or 2 - 1 ³ / ₄ " long staples	Per stud	
· · · · · · · · · · · · · · · · · · ·		Exterior sheathing per Table R602.3(3)	6" edges 12" field	
³ / ₈ ″		Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener	
7y ₁₅ ".	See Figure R602.10.6.5	8d common (2½," × 0.131) mils	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts	
or ²⁵ / ₃₂ " for ximum 16" ud spacing		$1^{1}/_{2}$ " long $\times 0.12$ " dia. (for $1^{1}/_{2}$ " thick sheathing) $1^{3}/_{4}$ " long $\times 0.12$ " dia. (for $2^{2}/_{32}$ " thick sheathing) galvanized roofing nails or 8d common ($2^{1}/_{2}$ " long $\times 0.131$ " dia.) nails	3" edges 6" field	
		Nails or screws per Table R602.3(1) for exterior locations	For all braced wall panel locations: 7" edges (including top and bottom plates) 7" field	
1/2"		Nails or screws per Table R702.3.5 for Interior locations		
" or ¹ /2" for ximum 16" ud spacing		For $V_{g''}$, 6d common (2" long × 0.113" dia.) nails For V_{2} "; 8d common (2 V_{2} " long × 0.131" dia.) nails	3" edges 6" field	
ction R703.6 for ximum 16" ud spacing		$1^{1}/_{1}$ " long, 11 gage, $7'_{16}$ " dia. head nails or 7_{8} " long, 15 gage staples	6" o.c. on all framing members	
r maximum 16" ud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate $1^{1}/_{2}$ " penetration into studs	4" edges 8" field	
³ / ₈ "	ŢŢŢŢŢŢŢŢŢŢŢŢ	See Section R602.10.6.1	See Section R602.10.6.1	

BRACING METHO				CONNECTION CRITERIA	
METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	Fasteners	Spacing
Methods	PFH Portal frame with hold-downs	³ /s"		See Section R602.10.6.2	See Section R602, 10.6:
Interneticent bracing Memous	PFG Portal frame at garage	~ ⁷ /16 ¹⁷		See Section R602.10.5.3	See Section R602.10.6:
Continuous Sheathing Methods	CS-WSP Continuously sheathed wood structural panel	Sý ir S		Exterior sheathing per. Table R602.3(3)	6" edges 12" field
				Interior sheathing per Table R602.3(1) or R602.3(2)	Varles by fastener
	CS-G ^{Le} Continuously sheathed wood structural panel adjacent to garage openings	378"		See Method CS-WSP	See Method CS-WSF
	CS-PF Continuously sheathed portal frame	7/ ₁₆ "		See Section R602.10.6.4	See Section R602.10.6
	CS-SER Continuously sheathed structural fiberboard	'/2" or ^{75/} 52" 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 ²² / ₃₂ " thick sheathing) galvanized roofing nails or 8d common. (2 ¹ / ₂ " long × 0.131" dia.) nails	3" edges 6" field

b. Applies to panels next to garage door opening when supporting gable and wall or roof load only. May only be used on one wall of the garage. In Seisnuc Design Categories D₀, D₁ and D₂ roof covering dead load may not exceed 3 pst. c: Garage openings adjacent to a Method CS-G panel shall be provided with a beader in accordance with Table R502:5(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 Selsmic Design Categories Do. D, and D, and in areas where the wind speed exceeds 100 mph

-EXTENT OF READER WITH DOUBLEPORTAL FRAMES (TWO BRACED WALL PARELS)-

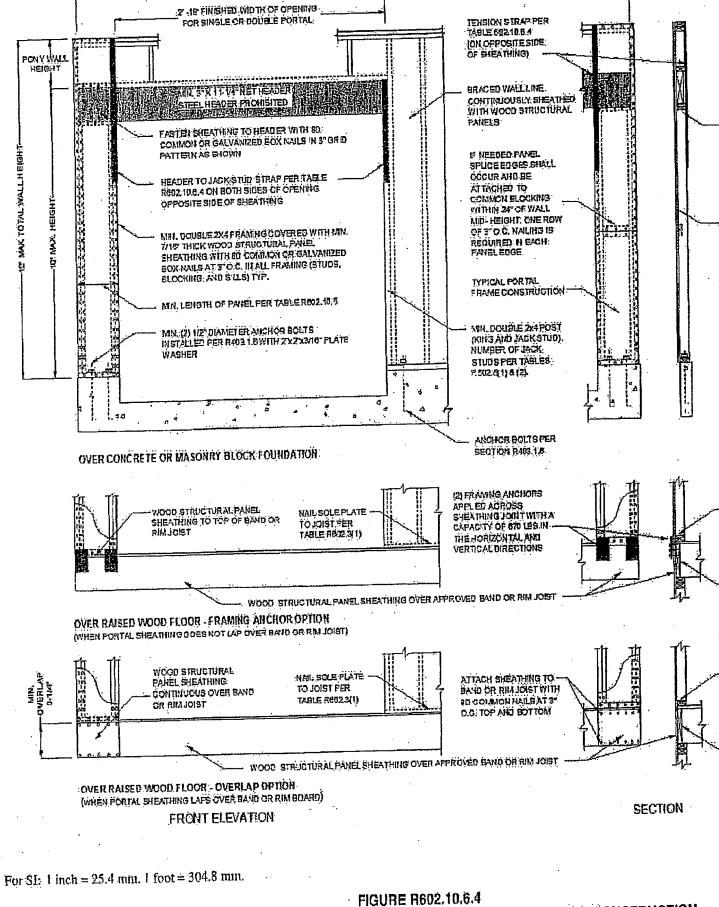
EXTENT OF HEADER WITH SINGLE PORTAL FRAME

(ONE BRACED WALL PAREL)

TABLE R602.10.5 MINIMUM LENGTH OF BRACED WALL PANELS. **MINIMUM LENGTH** (inches) ONTRIBUTING LENGTH fincheel Wall Helpht 8 feet 9 feet 10 feet 11 feet 12 feet Actual^b 48 48 48 53 58 Double sided = Actual 48 48 48 53 58 Single sided = 0.5 × Actual Actual 69 NP NP 55 62 SDC A, B and C, 32 - 38 42 wind speed < 110 roph 48 SDC D., D, and D., 32 34 NP NP 37 wind speed < 110 mph 18° 20° -48 16 16 16 Supporting roof only 27 29 48 Supporting one story and roof 24 24 24 30 334 364 1.5 x Actual" 24 27 Actual' 27 30 33 36 24 Achial 18 20 22 24" 16 Adjacent clear opening height (inches) 24 27 30 33 36 ≤64 26 27 30 33 36 68 27 30 33 36 27 30 29 30 33 36 76 30 30 33 36 32 80 32 32 33 36 35 84 38 35 33 33 36 88 43 37 35 35 36 48 41 38 36 36 - 96 44 40 38 38 ----100 Actual^b 49 43 40 39 104 ----54 46 43 41 108 ------ 50 45 43 112 - 55 48 45 116 ------ 60 52 48)20 - 56 51 124 - 61 54 ____ 128 -- 66 58 132 - - 62 136 - - 66 140 → <u>- 72</u>

<u>...</u> 144

c. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.6.2, but wall height may be increased to 12 feet with pony wall. d. Maximum opening lieight for PFG is 10 feet in accordance with Figure R602.10.6.3, but wall height may be increased to 12 feet with pony wall.



METHOD CS-PF-CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

