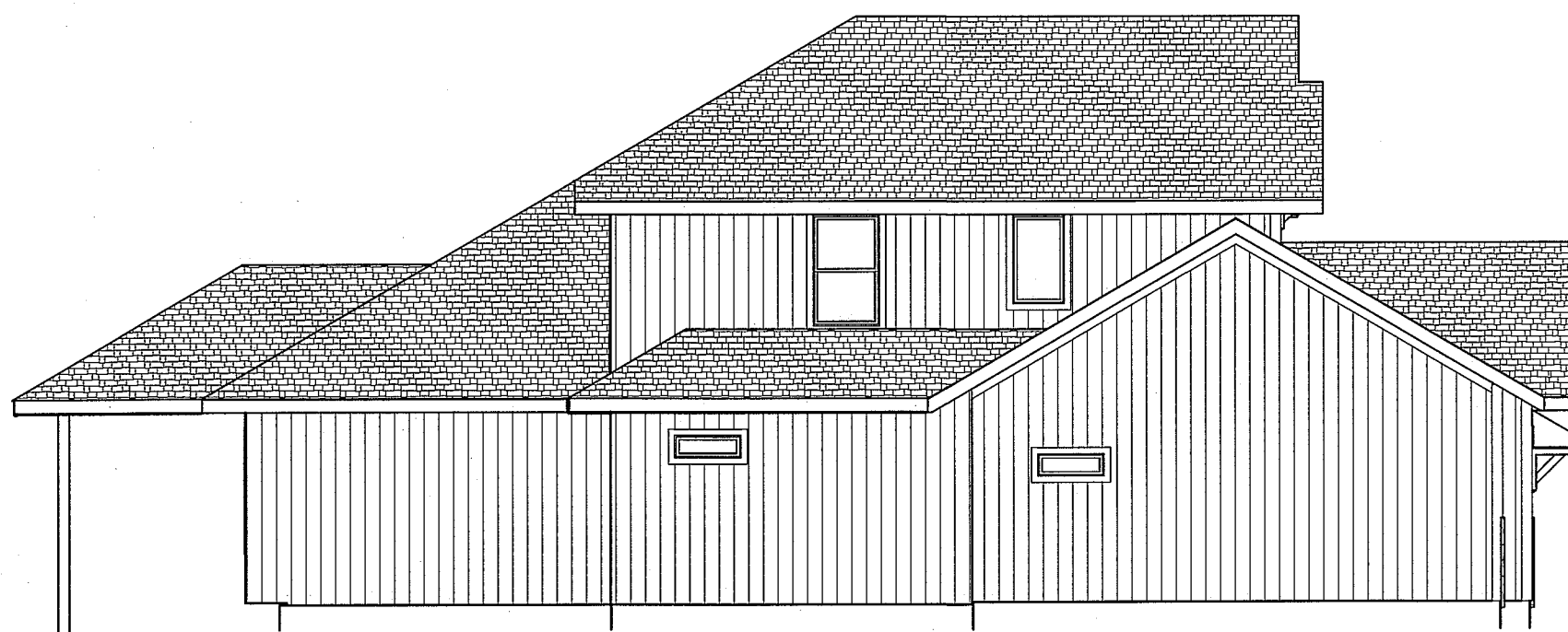
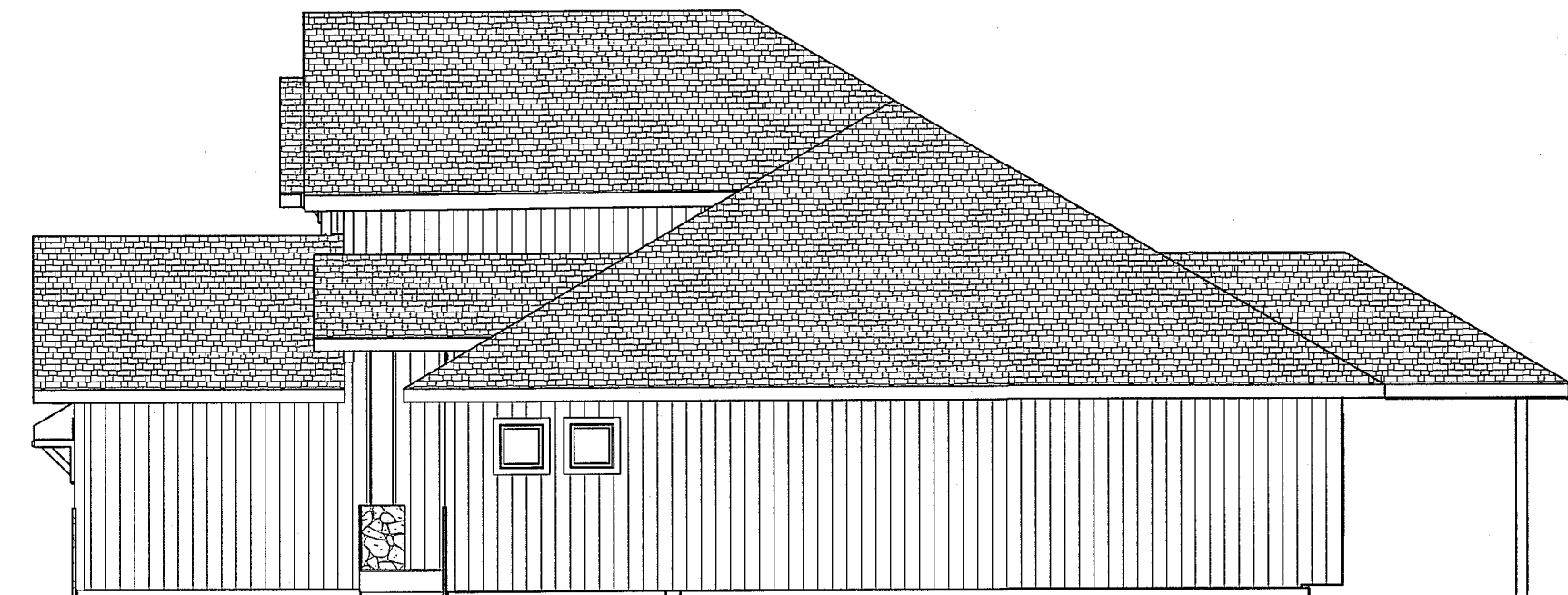




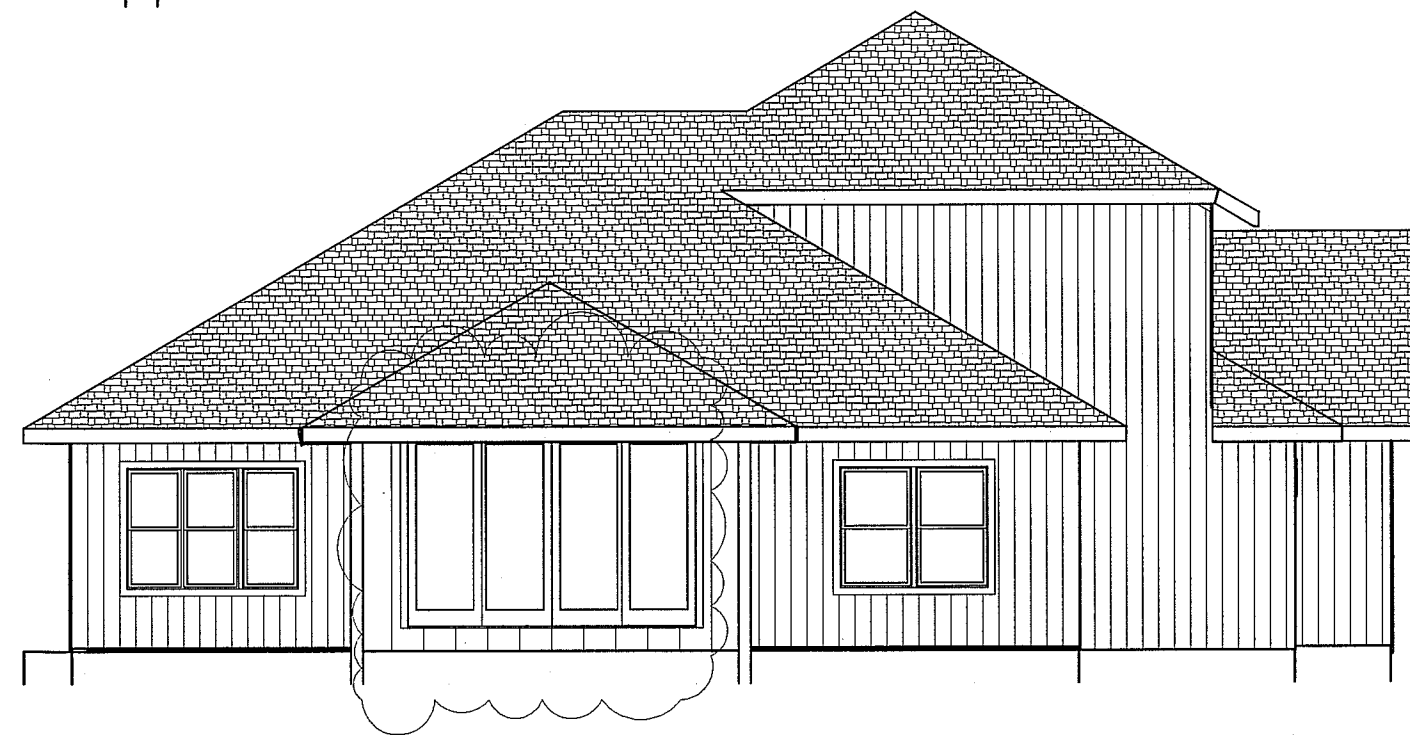
FRONT EL.
STUCCO & STONE



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



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



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

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

NICK ZVACEK HOMES
ANDERSON II
LOT 109 MONTICELLO
4705 NE FREEHOLD DR
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

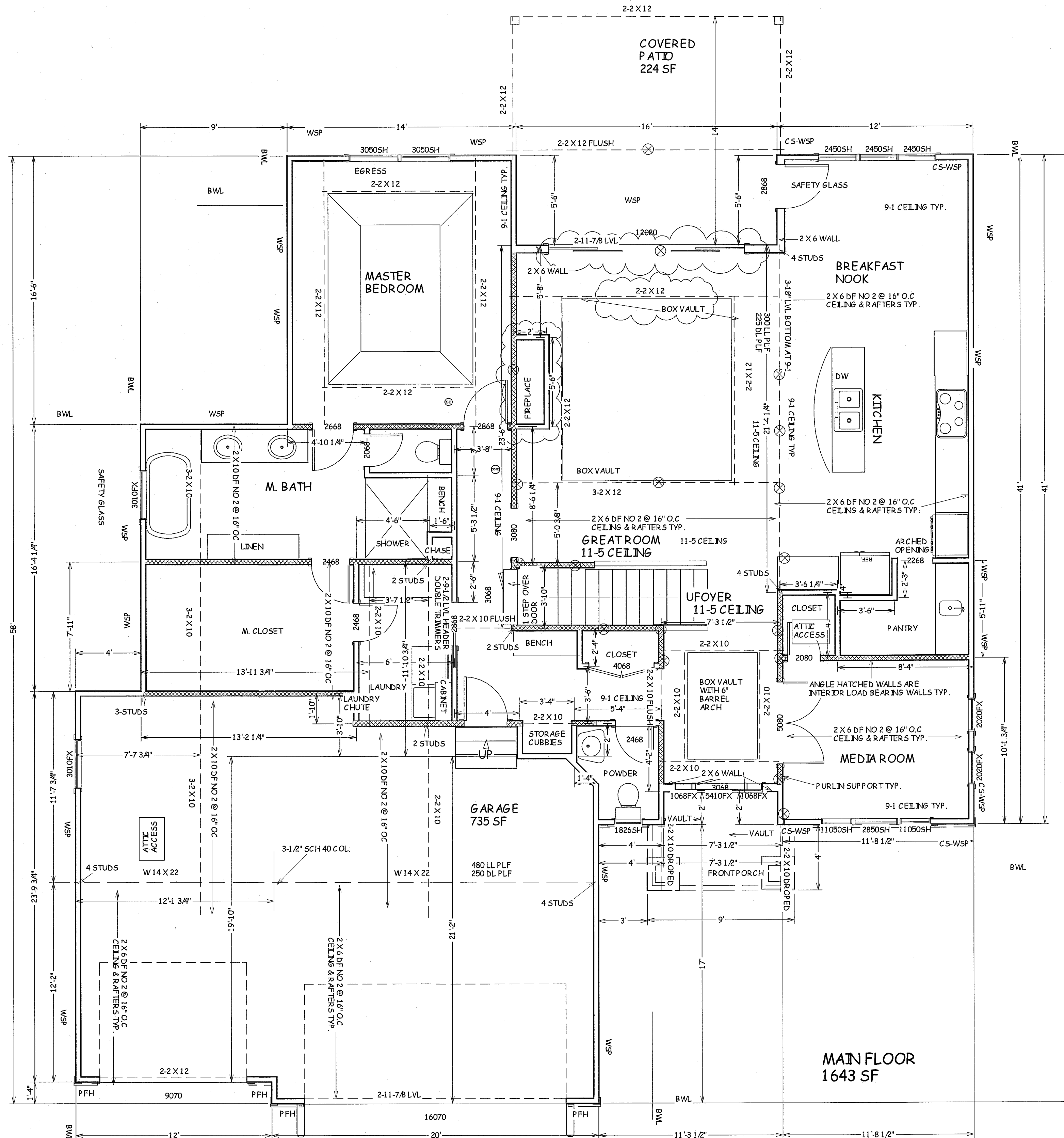
DATE
9-30-21

PLAN NO.
3531

SHEET NO.
1 OF 6

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
Development Services
LEE'S SUMMIT, MISSOURI

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



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

NICK ZVACEK HOMES
ANDERSON II
LOT 109 MONTICELLO
4705 NE FREEHOLD DR
LEE SUMMIT MO

SCALE
1/4" = 1'-0

DATE
9-30-21

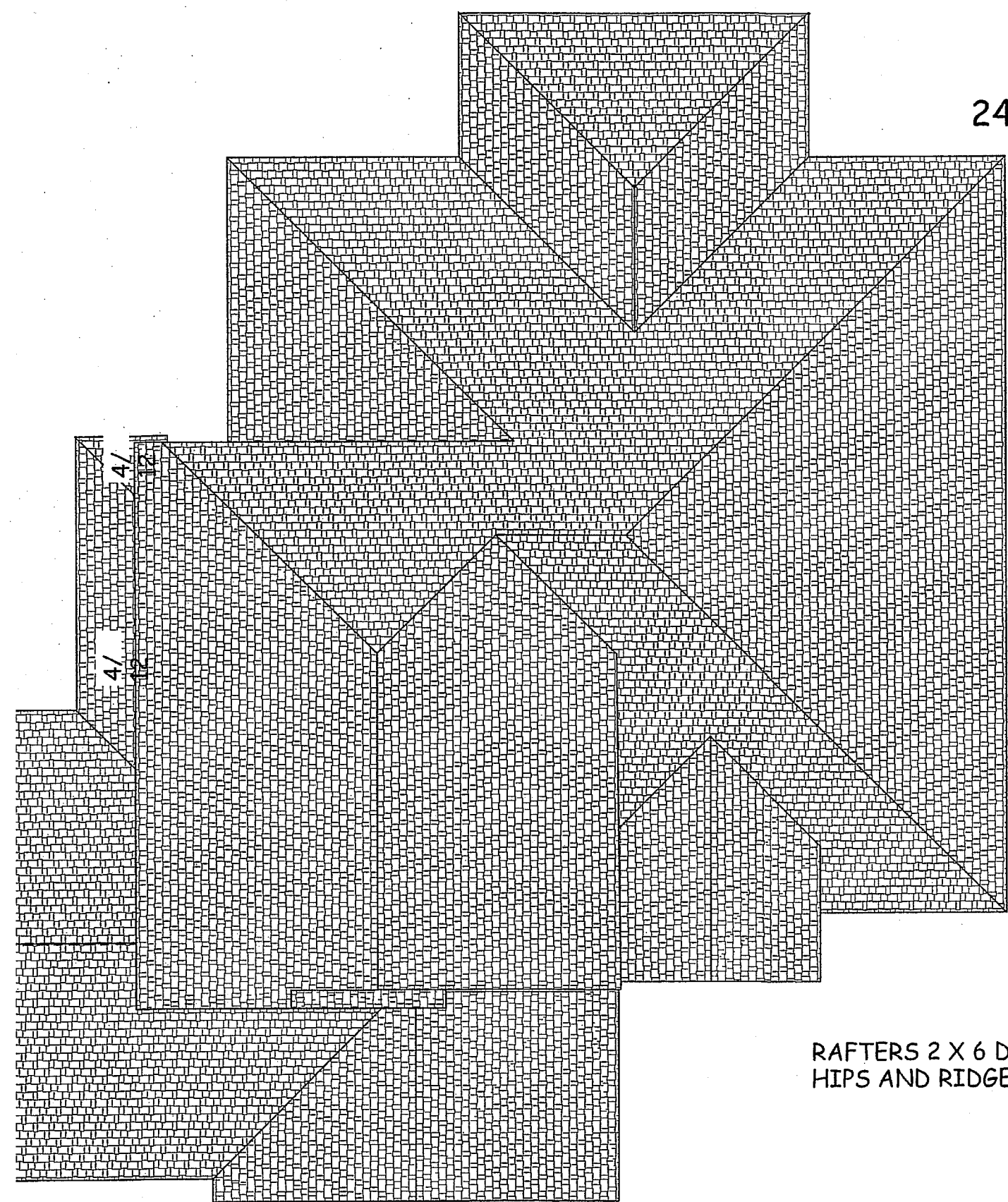
PLAN NO.
3531

SHEET NO.

3 OF 6

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
Development Services
LEE'S SUMMIT, MISSOURI

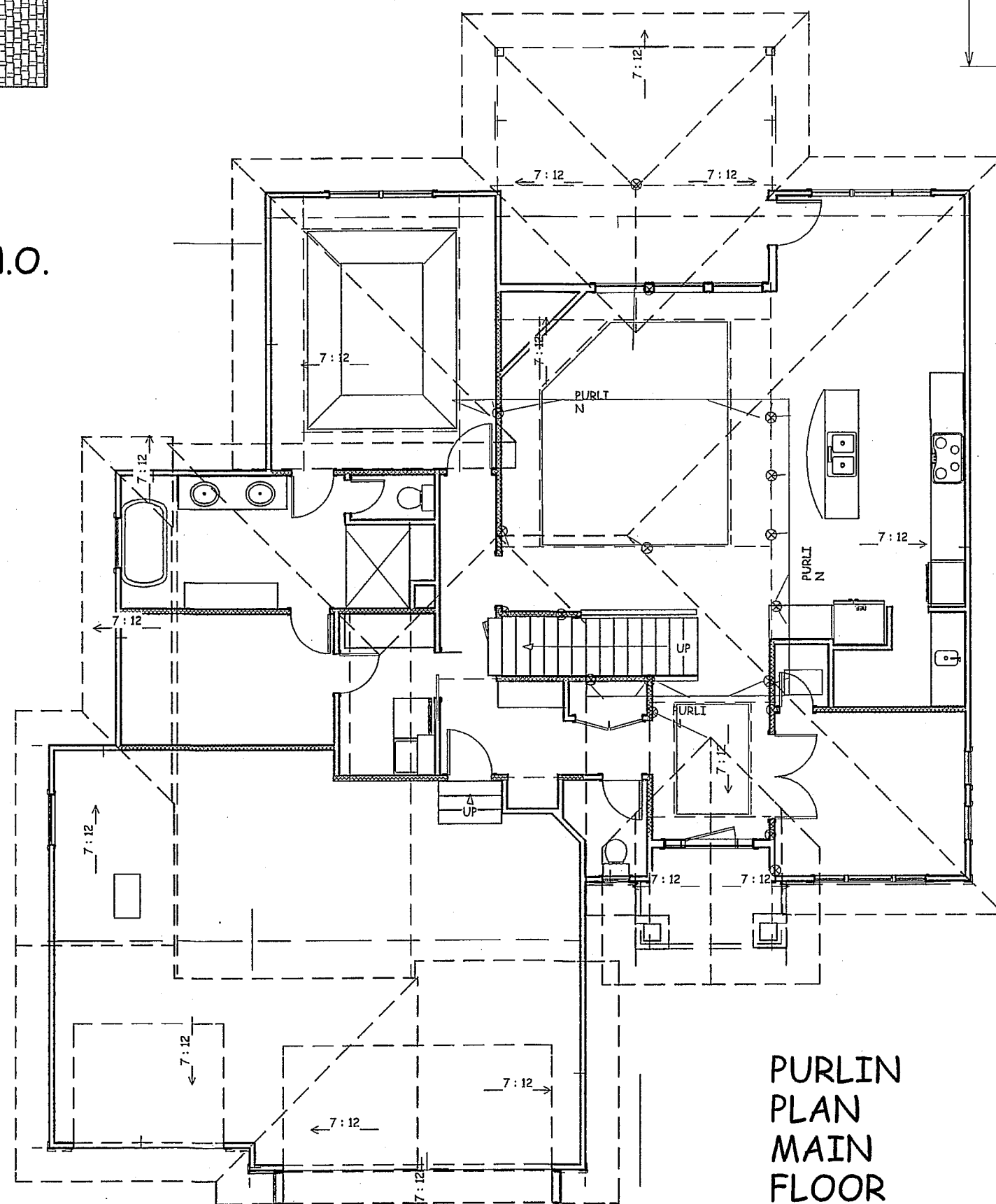
STATE OF MISSOURI
JOSEPH A. TOWNS P.E.
MO. LIC E 22017
PROFESSIONAL SEAL
APPLIES TO STRUCTURAL
ELEMENTS ONLY



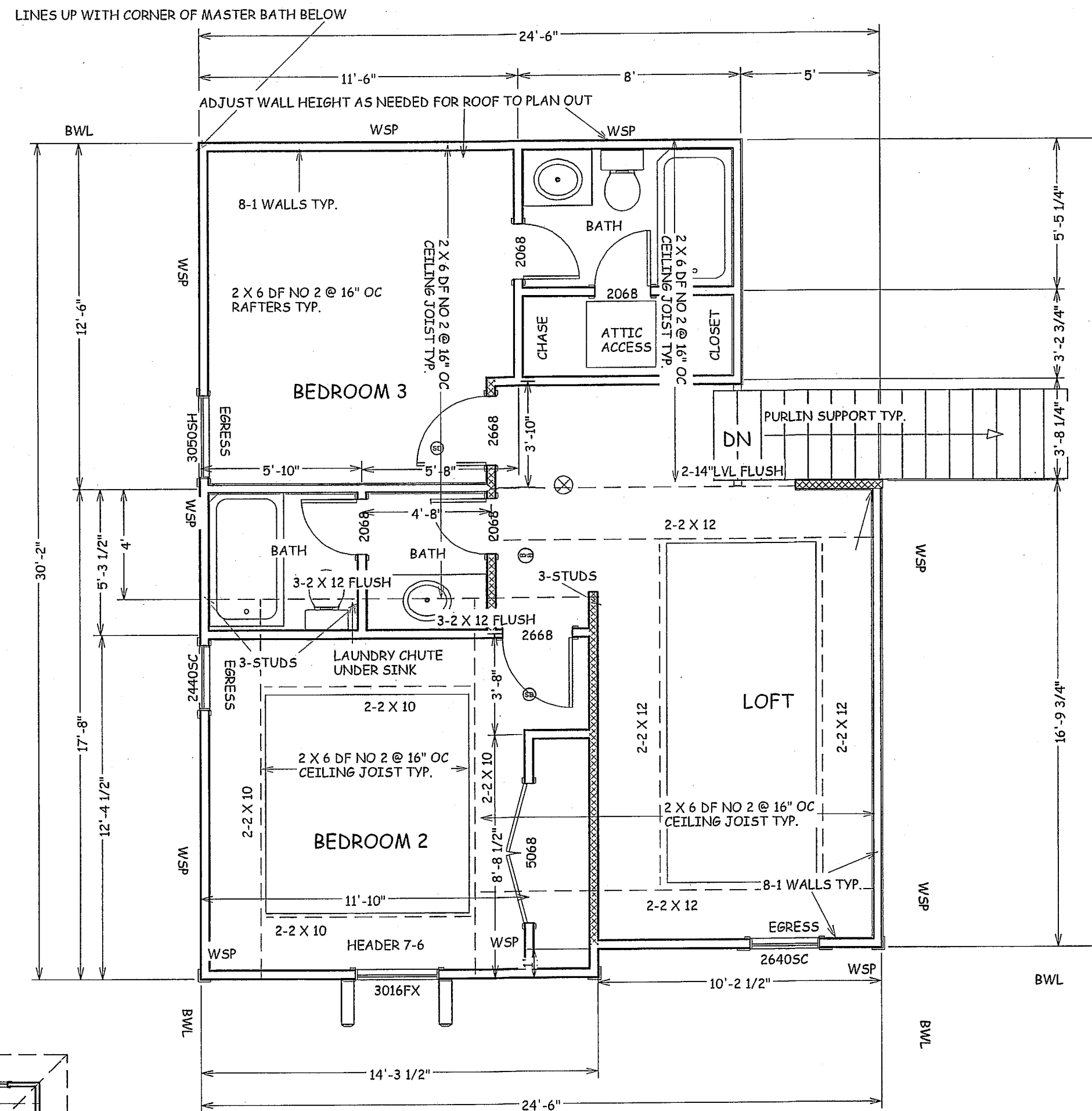
ROOF PLAN
1/8" = 1'-0"
ROOF PITCHES 7/12 U.N.O.

24" SOFFITS TYP.

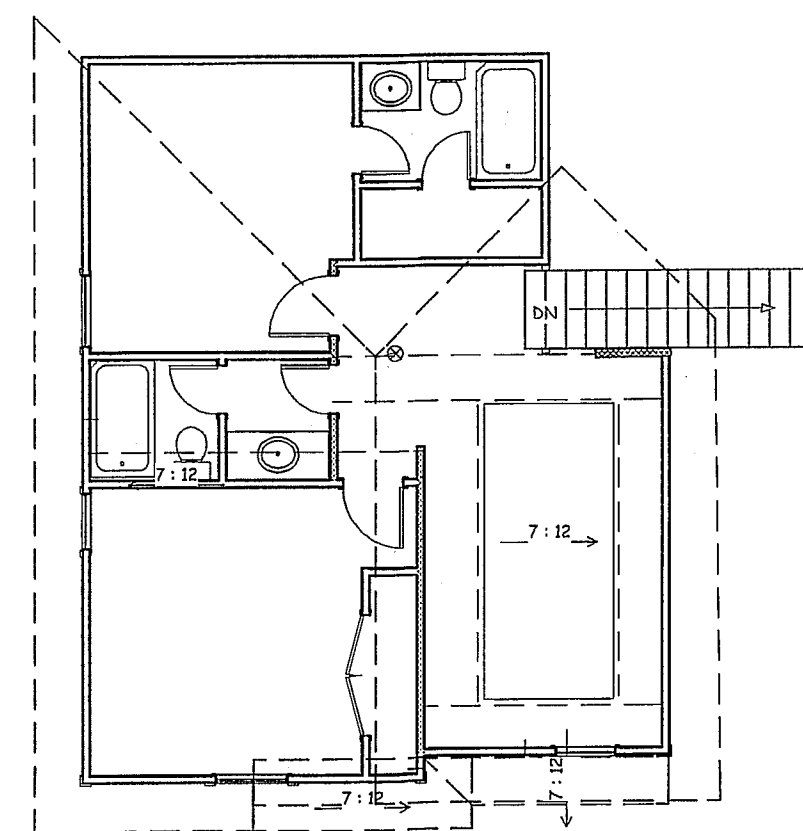
RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.
HIPS AND RIDGES 2 X 8 DF NO 2 TYP.



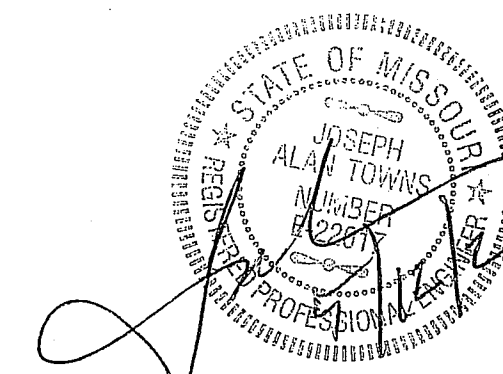
PURLIN
PLAN
MAIN
FLOOR
1/8" = 1'-0"



SECOND FLOOR
667 SF



PURLIN
PLAN
SECOND
FLOOR
1/8" = 1'-0"



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

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

NICK ZVACEK HOMES
ANDERSON II
LOT 109 MONTICELLO
4705 NE FREEHOLD DR
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

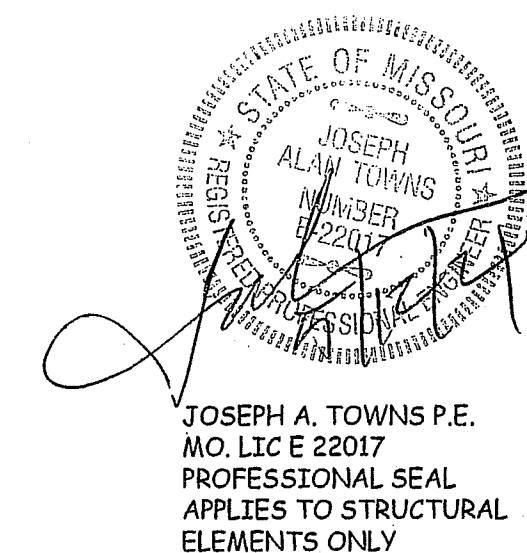
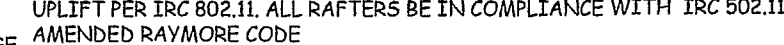
DATE
5-13-21

PLAN NO.
3531

SHEET NO.

4 OF 6
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
Development Services
LEE'S SUMMIT, MISSOURI

DUCTWORK NEEDS TO HAVE AN R-8 VALUE



5 OF 6
RELEASE FOR
CONSTRUCTION
S NOTED ON PLANS REVI
Development Services
LEE'S SUMMIT, MISSOUR

TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED						
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 ^a				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing ^c (feet)	Method L1B ^b	Method GB	Methods DWB, WSP, SFB, FCF, HFS, BV-WSP, ABW, PFH, FCF, CS-SFB	Methods CS-WSP, CS-PF, CS-PP
≤ 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 ^d	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

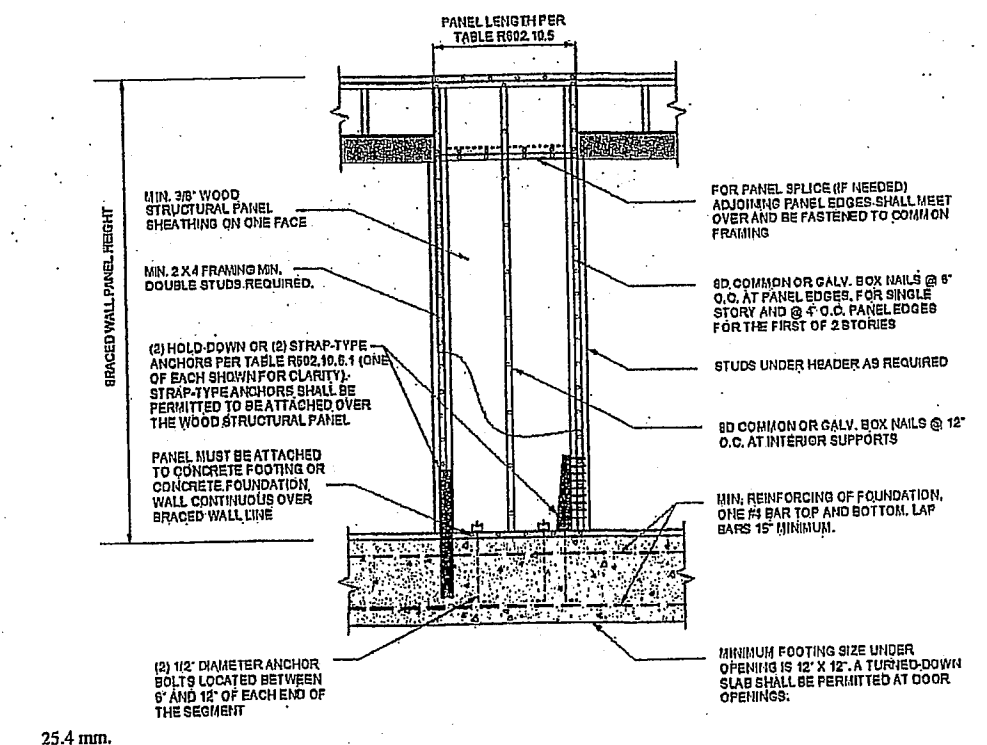


FIGURE R602.10.5.1
METHOD ABW—ALTERNATE BRACED WALL PANEL

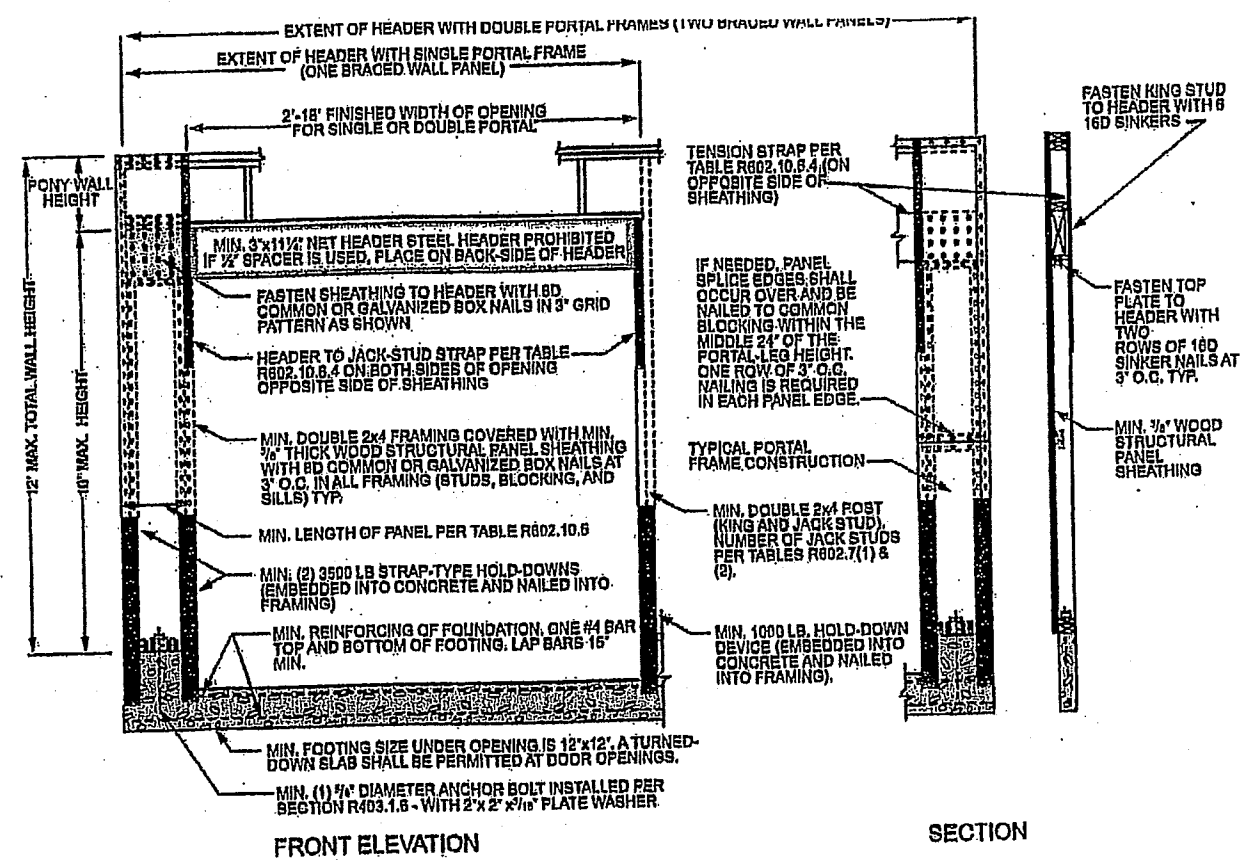


FIGURE R602.10.5.2
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a
L1B 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\"/>
DWB Diagonal wood boards	1/2\"/>		Fasteners: Wood: 2-8d common nails or 3-8d (2 1/2\"/>
WSP Wood structural panel (See Section R604)	3/4\"/>		Fasteners: Wood: 2-8d common nails or 3-8d (2 1/2\"/>
WV-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	3/4\"/>		Fasteners: Wood: 2-8d common (2 1/2\"/>
SFB Structural fiberboard sheathing	1/2\"/>		Fasteners: Nails or screws per Table R602.3(1) for exterior locations Nails or screws per Table R702.3.5 for interior locations
GB Gypsum board	1/2\"/>		Fasteners: Nails or screws per Table R602.3(1) for exterior locations Nails or screws per Table R702.3.5 for interior locations
FBS Particleboard sheathing (See Section R605)	3/4\"/>		Fasteners: For 1/2\", 6d common (2\"/>
FCF Portland cement plaster	See Section R703.7 for maximum 16\"/>		Fasteners: 1 1/2\"/>
HFS Hardboard siding	3/4\"/>		Fasteners: 0.092\"/>
ABW Alternate braced wall	3/4\"/>		Fasteners: See Section R602.10.6.1

METHOD (See Table R602.10.4)	MINIMUM LENGTH ^a (inches)	CONTRIBUTING LENGTH (inches)
	8 feet	Actual ^b
DWB, WSP, SFB, FCF, HFS, BV-WSP	48	Double sided = Actual
GB	48	Single sided = 0.5 x Actual
L1B	55	Actual ^b
ABW	28	48
CS-G	24	Actual ^b
CS-WSP, CS-SFB	160	Actual ^b
PFH	16	48
CS-PP	16	Actual ^b

For S1: 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 where it is greater than or equal to the minimum length.
c. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.5.2, but wall height shall be permitted to be increased to 12 feet with pony wall.
d. Maximum header height for FCF is 10 feet in accordance with Figure R602.10.5.3, but wall height shall be permitted to be increased to 12 feet with pony wall.
e. Maximum header height for CS-PP is 10 feet in accordance with Figure R602.10.5.4, but wall height shall be permitted to be increased to 12 feet with pony wall.

METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a
PFH Portal frame with hold-downs	3/4\"/>		Fasteners: Wood: per stud and top and bottom plates Metal: per manufacturer
FRG Portal frame at garage	3/4\"/>		Fasteners: Wood: per stud and top and bottom plates Metal: per manufacturer
CS-WSP Continuously sheathed wood structural panel	3/4\"/>		Fasteners: Wood: per stud and top and bottom plates Metal: per manufacturer
CS-G Continuously sheathed wood structural panel adjacent to garage openings	3/4\"/>		Fasteners: Wood: per stud and top and bottom plates Metal: per manufacturer
CS-SFB Continuously sheathed structural fiberboard	3/4\"/>		Fasteners: Wood: per stud and top and bottom plates Metal: per manufacturer

For S1: 1 inch = 25.4 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.
a. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D₁, D₂, and D₃.
b. Apply 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 R602.10.1. 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.

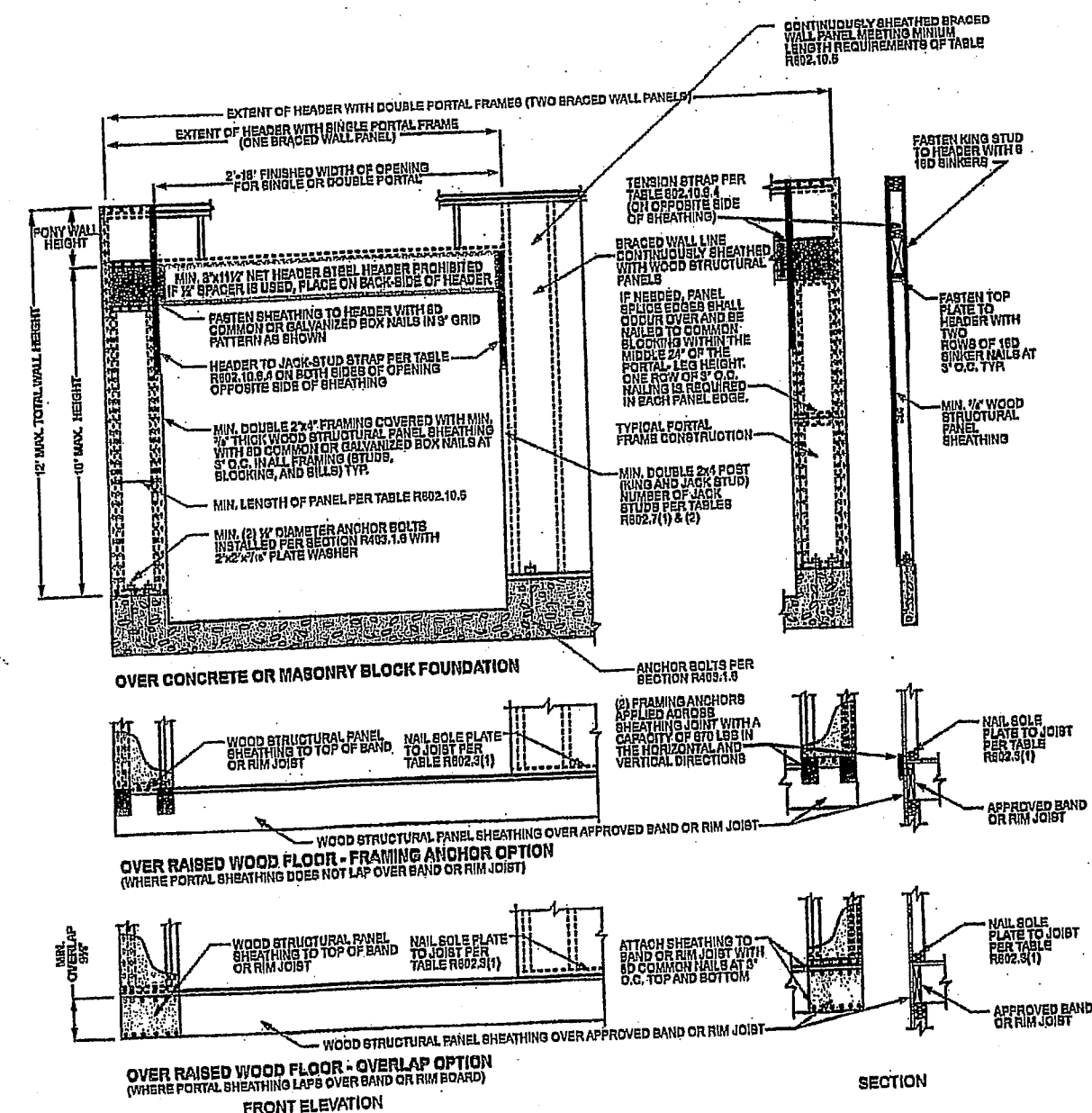


FIGURE R602.10.5.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

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

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

NICK ZVACEK HOMES
ANDERSON II
LOT 109 MONTICELLO
4705 NE FREEHOLD DR
LEE SUMMIT MO

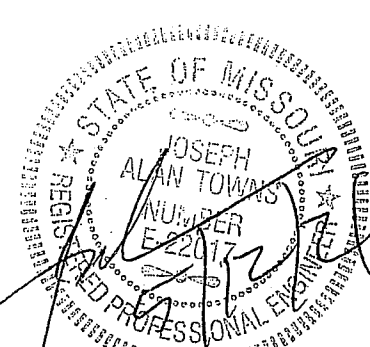
SCALE
1/4" = 1'-0"

DATE
5-13-21

PLAN NO.
3531

SHEET NO.

6 OF 6



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

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
Development Services
LEE'S SUMMIT, MISSOURI