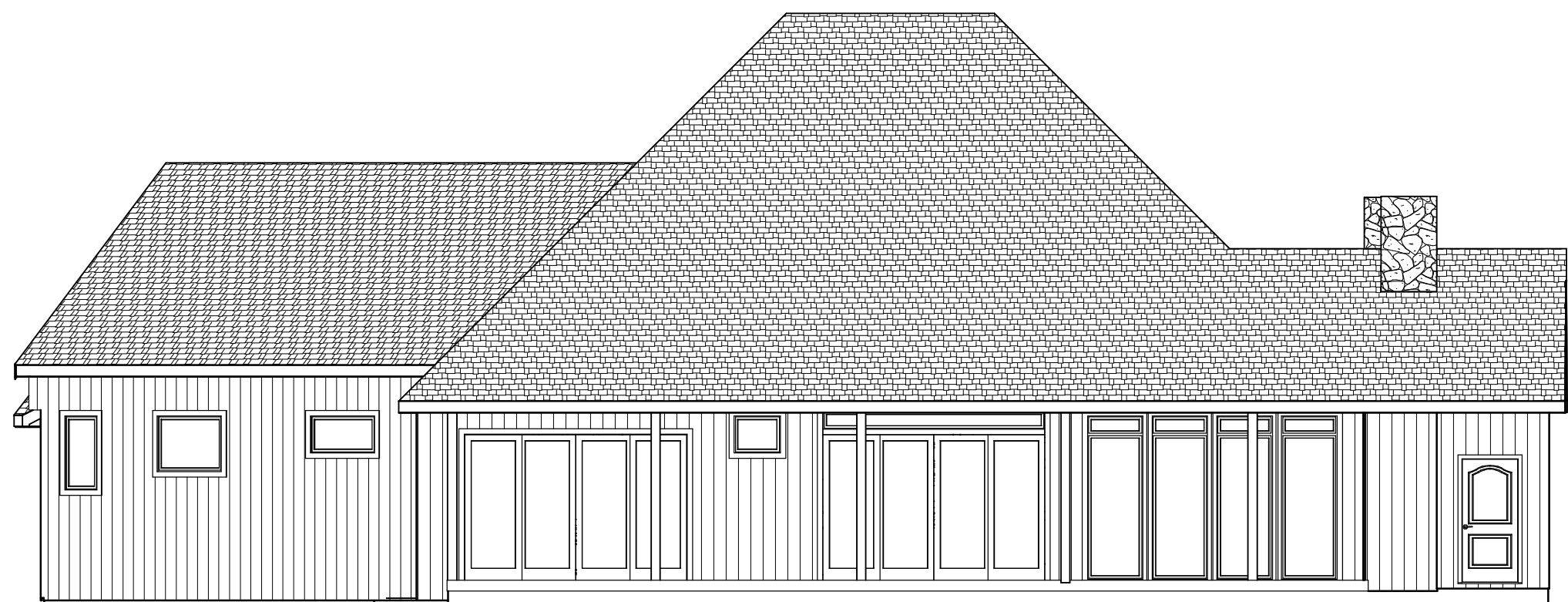


ROOF PLAN
1/8" = 1'-0"
SIDE TO SIDE 12/12 U.N.O.
FRONT TO BACK 8/12 U.N.O.



FRONT EL.
STUCCO & STONE

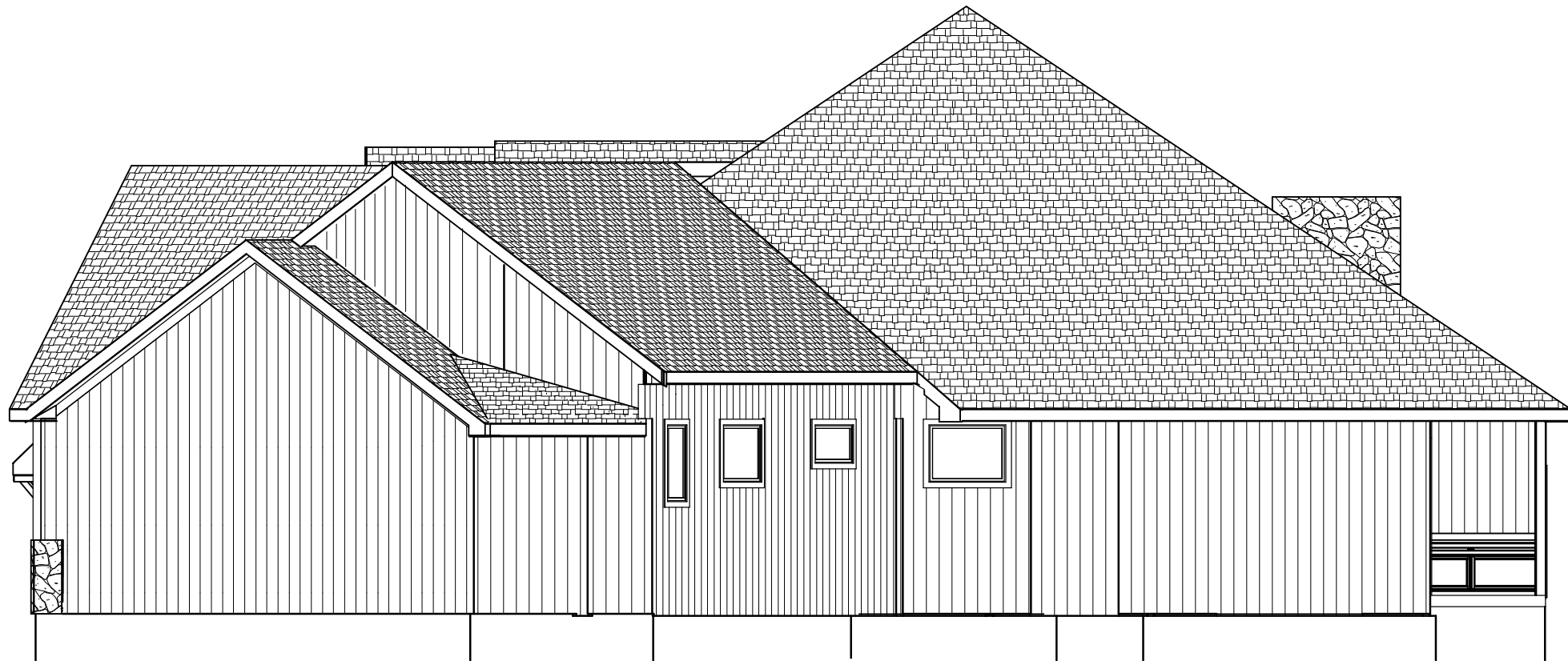


REAR EL.
1/8" = 1'-0"

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05/19/2020



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



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

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

TRUMARK HOMES
LOT 1441 WINTERSET
2924 NW THOREAU DR
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

DATE
5-18-20

PLAN NO.

871

SHEET NO.

1 OF 5

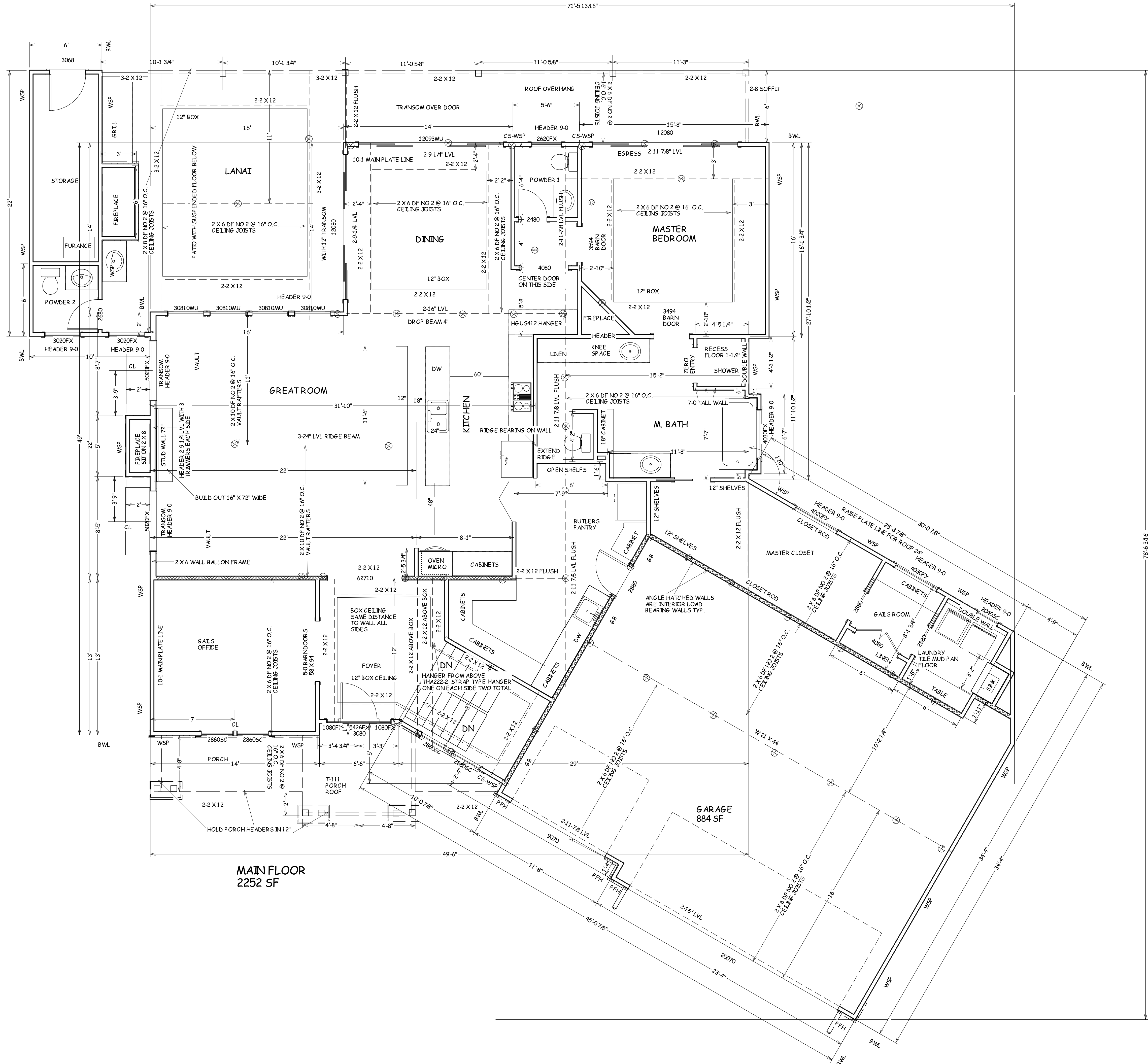
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**RELEASE FOR
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AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
05/19/2020**



TRUMARK HOMES
LOT 1441 WINTERSET
2924 NW THOREAU DR
LEE SUMMIT MO

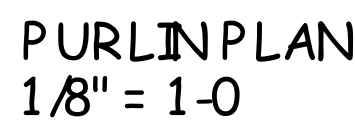
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RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
05/19/2020



TRUMARK HOMES LOT 1441 WINTERSET 2924 NW THOREAU DR LEE SUMMIT MO	
BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.	
SCALE 1/4" = 1-0	
DATE 5-18-20	
PLAN NO. 871	
SHEET NO. 3 OF 5	



05/19/2020



EXPOSURE CATEGORY B 50-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 LIB*	Method GB	Methods DWB, WSP, SFB, PFS, PCP, HPS, BV-WSP, ABW, PFF, PFO, CS-SFB	Methods CS-WSP, CS-G, 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

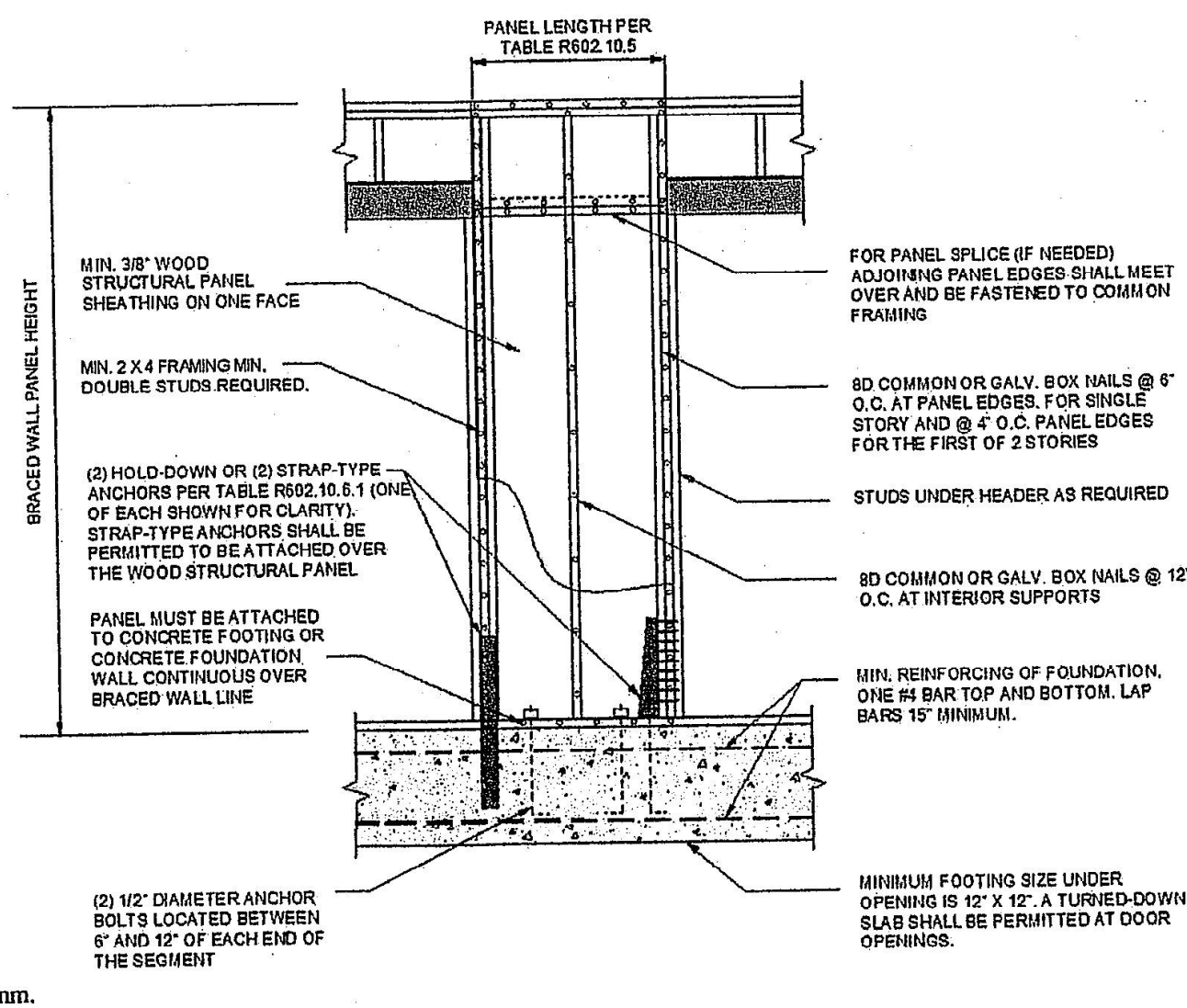


FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL

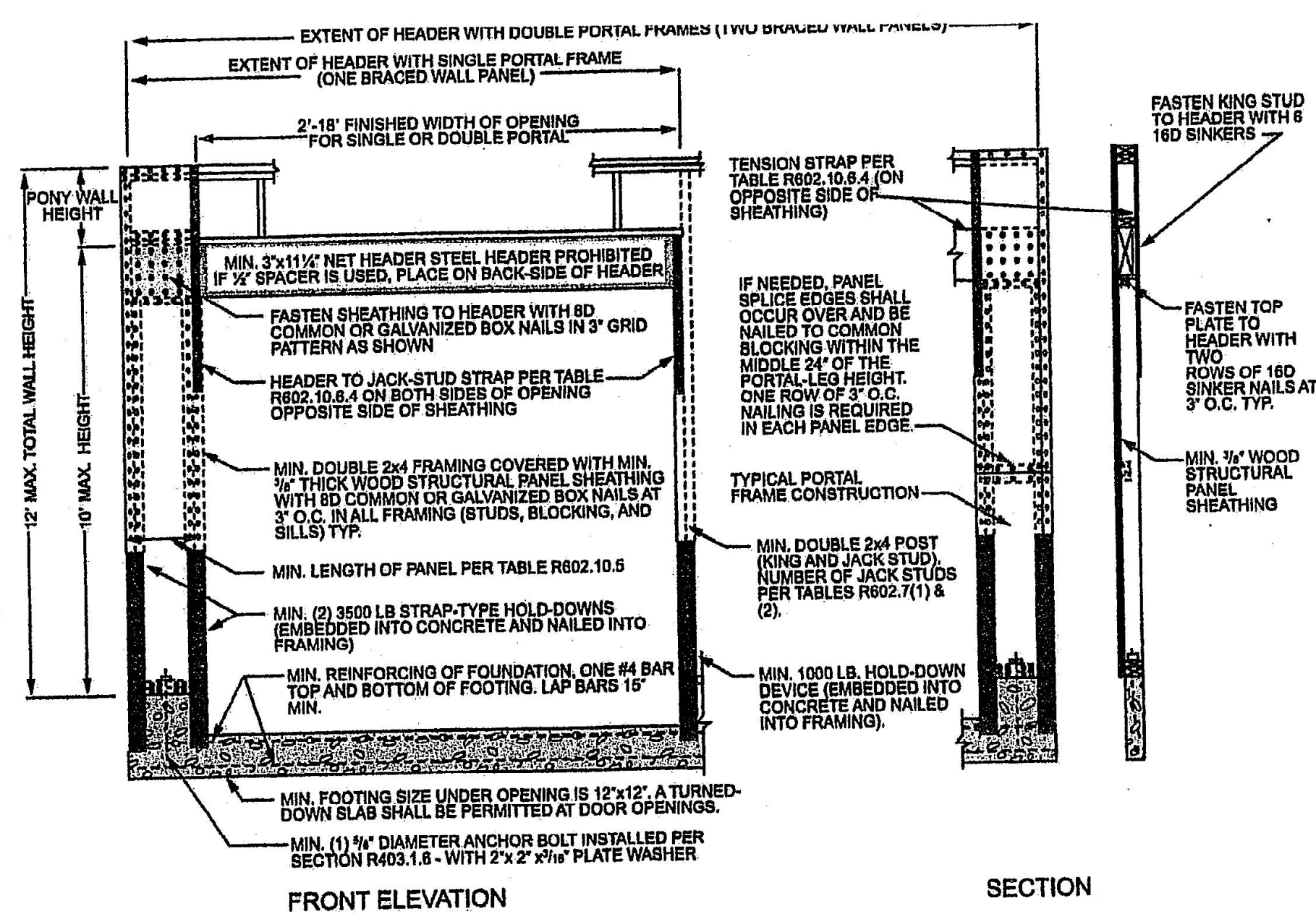


FIGURE R602.10.6.2
METHOD PFF—PORTAL FRAME WITH HOLD-DOWNS

METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA*	
			Fasteners	Spacing
LIB Let-in-bracing	1 x 4 wood or approved metal straps at 45° to 60° angles for maximum 16\" stud spacing		Wood: 2-8d common nails or 3-8d (2 1/2\" long x 0.113\" dia.) nails Metal strap: per manufacturer	Wood: per stud and top and bottom plates Metal: per manufacturer
DWB Diagonal wood boards	1/2\" (1\" nominal) for maximum 24\" stud spacing		2-8d (2 1/2\" long x 0.113\" dia.) nails or 2 - 1 1/4\" long staples	Per stud
WSP Wood structural panel (See Section R604)	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
BV-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	1/16\"	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 3/32\" 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 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
PFS Particleboard sheathing (See Section R605)	1/2\" or 1/4\" for maximum 16\" stud spacing		For 1/2\", 6d common (2\" long x 0.113\" dia.) nails For 1/4\", 8d common (2 1/4\" 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\" long, 11 gage, 1/16\" dia. head nails or 7/8\" long, 16 gage staples	6\" o.c. on all framing members
HPS Hardboard panel siding	1/16\" for maximum 16\" stud spacing		0.092\" dia., 0.225\" dia. head nails with length to accommodate 1 1/2\" penetration into studs	4\" edges 8\" field
ABW Alternate braced wall	1/4\"		See Section R602.10.6.1	See Section R602.10.6.1

METHOD (See Table R602.10.4)	MINIMUM LENGTH* (inches)				CONTRIBUTING LENGTH (inches)
	8 feet	9 feet	10 feet	12 feet	
DWB, WSP, SFB, PFS, PCP, HPS, BV-WSP	48	48	48	53	58
GB	48	48	48	53	58
ABW	28	32	34	38	42
CS-G	24	27	30	33	36
CS-WSP, CS-SFB	24	27	30	33	36
PFH	16	16	16	Note c	Note c
PFG	24	24	24	Note c	Note c
CS-PF	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 where it is greater than or equal to the minimum length.
c. Maximum header height for PFF in 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 in 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.
e. Maximum header height for CS-PF in 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.

METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA*	
			Fasteners	Spacing
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	1/16\"		See Section R602.10.6.3	See Section R602.10.6.3
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* Continuously sheathed wood structural panel adjacent to garage openings	3/8\"		See Method CS-WSP	See Method CS-WSP
CS-PF Continuously sheathed portal frame	1/16\"		See Section R602.10.6.4	See Section R602.10.6.4
CS-SFB* Continuously sheathed structural fiberboard	1/2\" or 3/32\" 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 3/8\" thick sheathing) galvanized roofing nails	3\" edges 6\" field

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, D, 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 5 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.

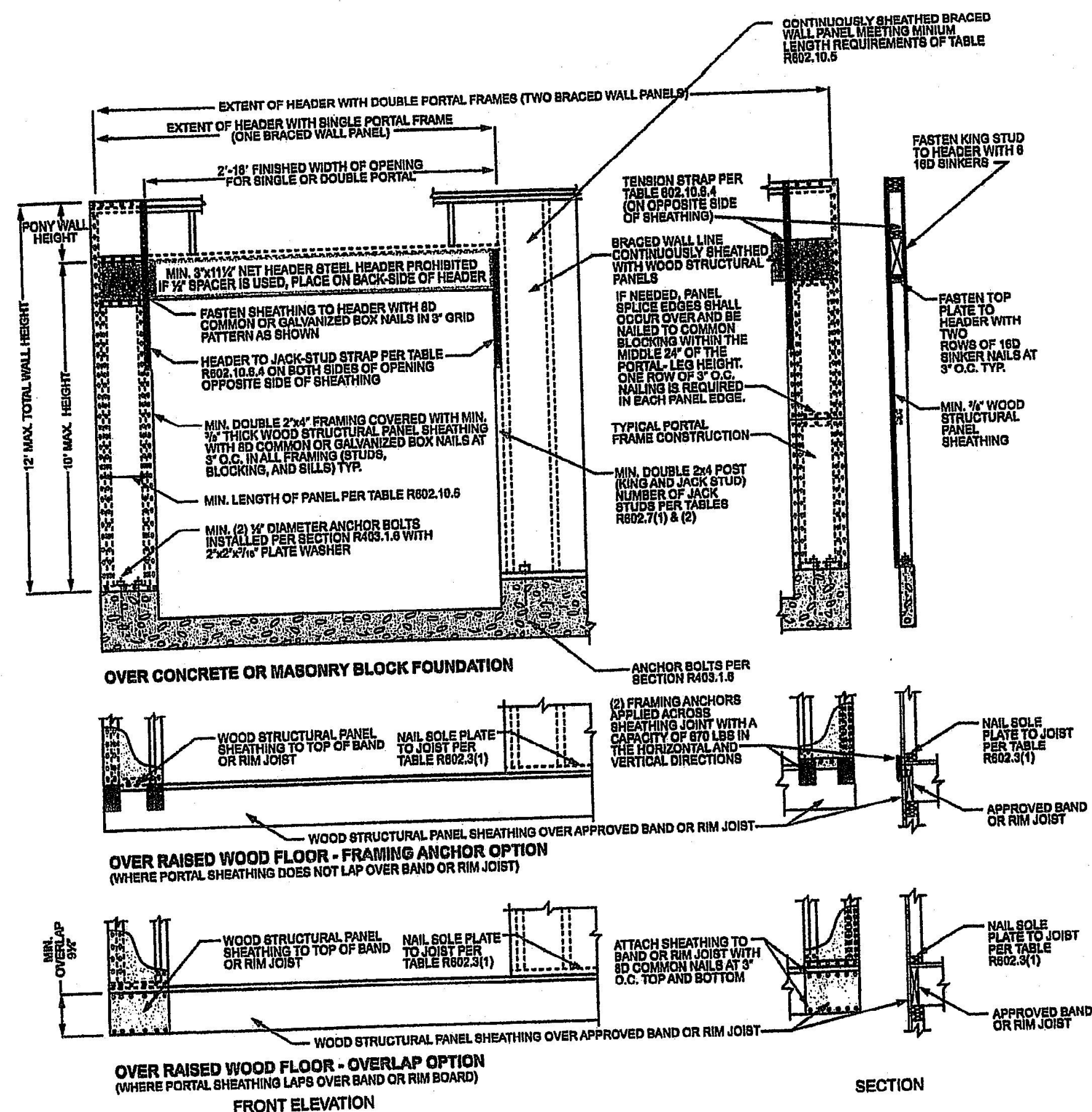


FIGURE R602.10.6.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

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

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2018 INTERNATIONAL
RESIDENTIAL CODE AND
LOCAL CODES.

TRUMARK HOMES
LOT 1441 WINTERSET
2924 NW THOREAU DR
LEE SUMMIT MO

SCALE
1/4" = 1-0

DATE
5-18-20

PLAN NO.

871

SHEET NO.

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