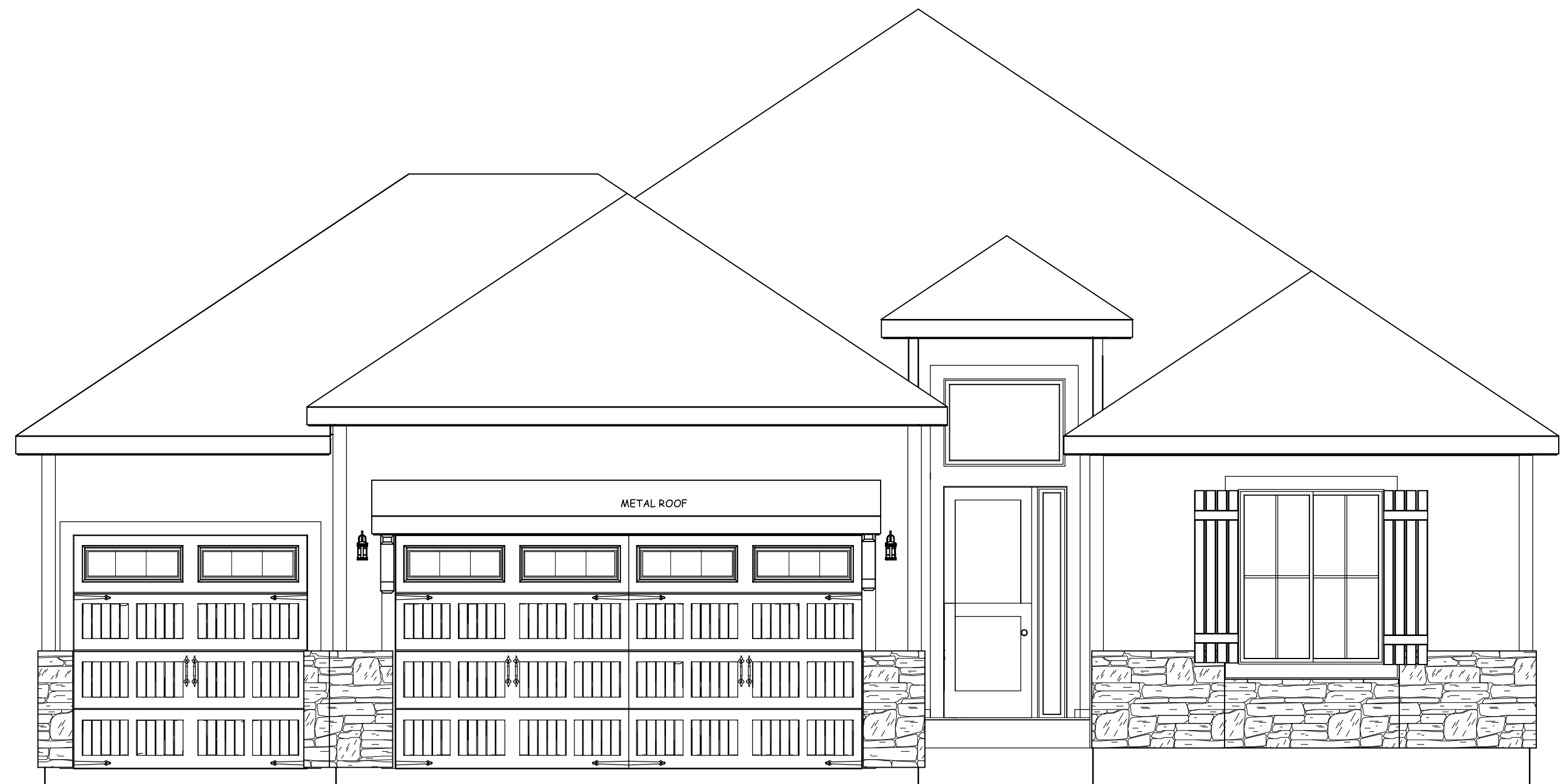
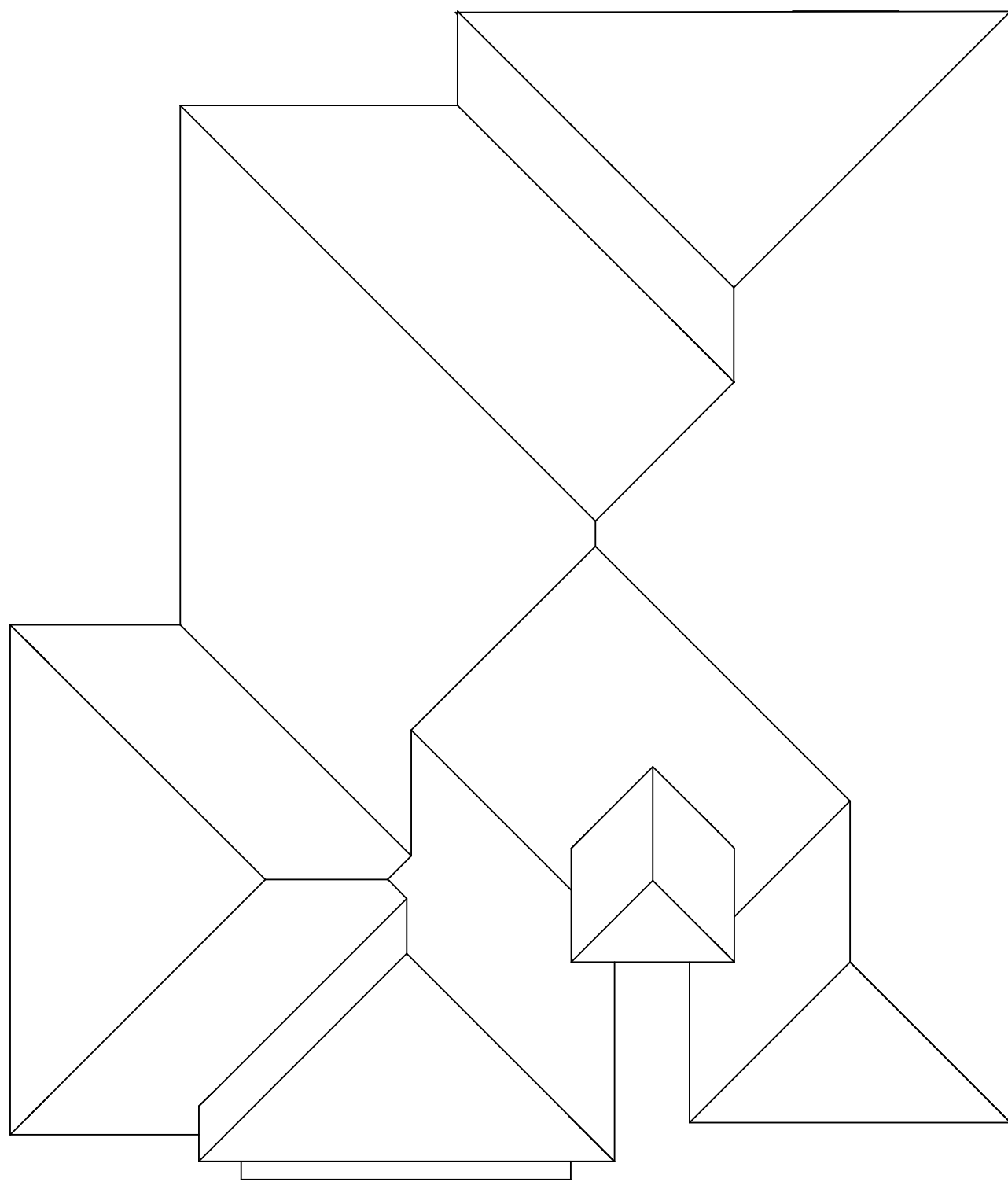




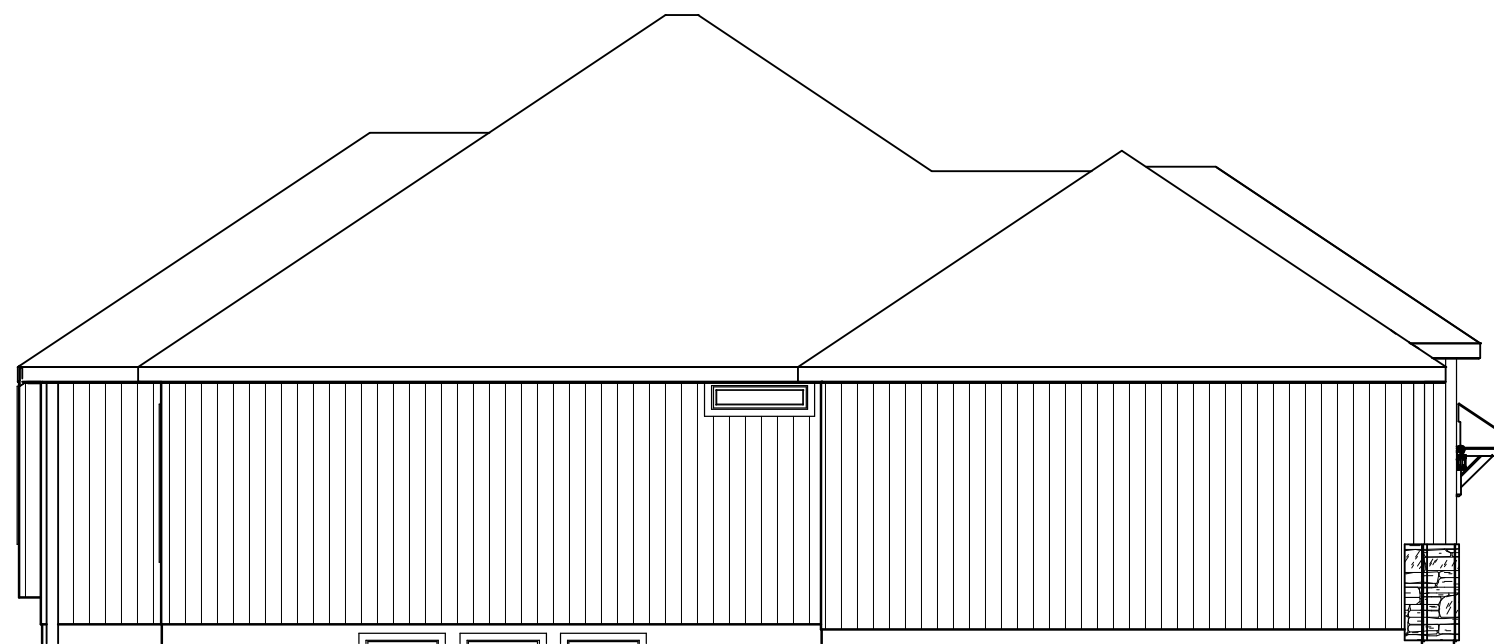
ROOF PLAN
1/8" = 1'-0"
8/12 ROOF PITCH

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

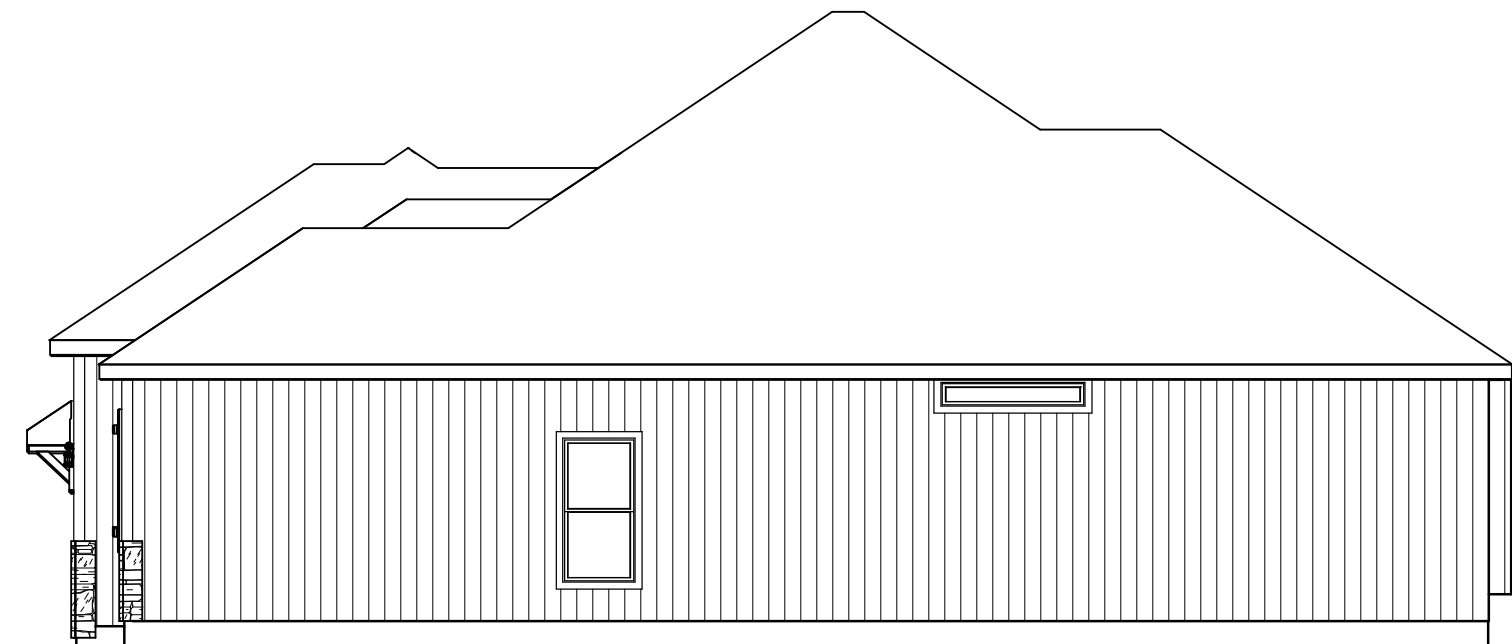
FRONT ELEVATION
STUCCO & STONE

ELEVATION A

RETURNS LP SMART
SIDING



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.

TRUMARK HOMES
WOOD BRIDGE V
LOT 21 COLBY CREEK
505 SE CARTER ROAD
LEE SUMMIT MO

SCALE

1/4" = 1'-0"

DATE

3-17-21

PLAN NO.

3449

SHEET NO.

1 OF 5





3 OF 5

ENERGY CONSERVATION CODE
THE FOLLOWING VALUES ARE NEEDED.

R-15 IN WALLS

R-49 IN ATTICS

R-38 IN VAULTS
R-30 REDUCTION FOR VAULTS IS ONLY FOR 500 SF
PF AREA

R-19 IN FLOORS OVER UNCONDITIONED SPACES

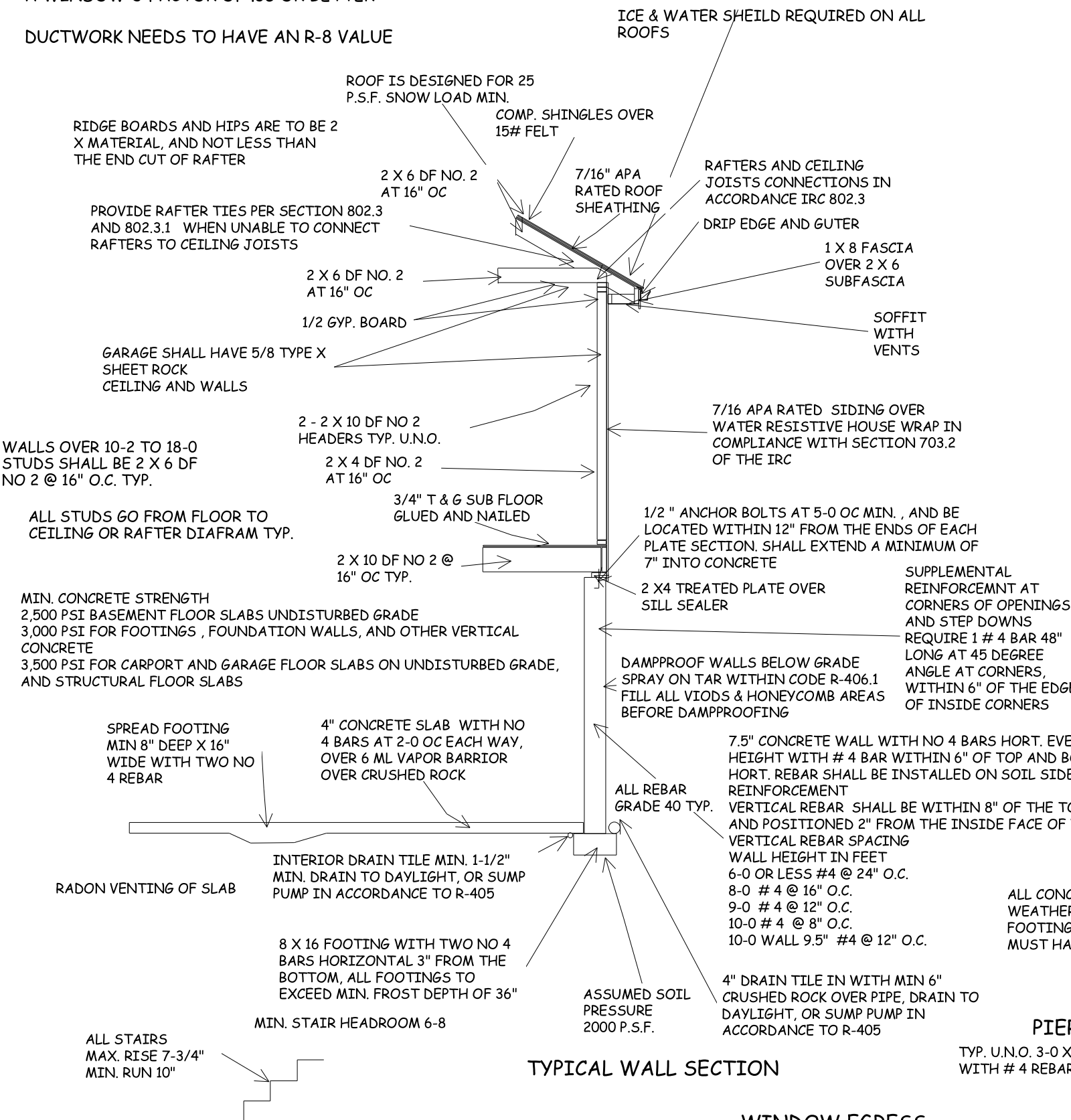
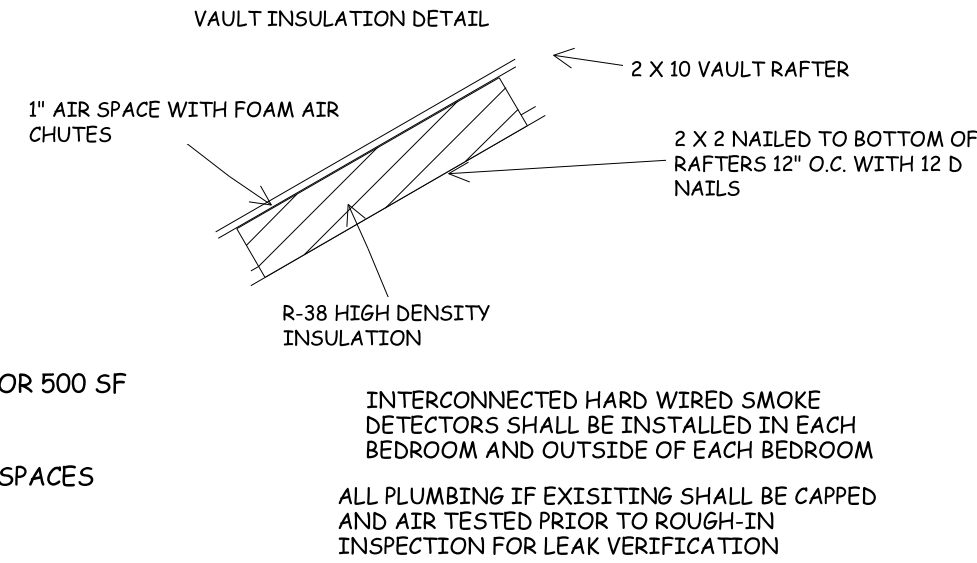
R-10 IN CRAWL SPACE WALLS

BASEMENT WALLS R-13 CAVITY OR R-10 CONTINUOUS

SLABS SHALL BE R-10 FOR A DEPTH OF 2 FOOT

A WINDOW U FACTOR OF .35 OR BETTER

DUCTWORK NEEDS TO HAVE AN R-8 VALUE



TYPICAL WALL SECTION

WINDOW EGRESS
REQUIREMENTS

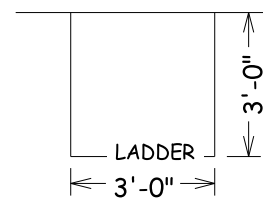
WINDOW SAFETY GLAZING PER 308

SAFETY GLAZING REQUIRED ALONG WALKING SURFACES AND STAIRS LOCATED WITHIN 36 INCHES HORIZONTALLY OF THE STEPS. SAFETY GLAZING REQUIRED IF EXPOSED SINGLE PANEL IS IN EXCESS OF 9 SQUARE FEET OR THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE THE FINISHED FLOOR.

SAFETY GLAZING REQUIRED WHERE THE NEAREST EXPOSED EDGE OF 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.

WINDOWS ARE TO HAVE FALL
PROTECTION PER IRC 312.2

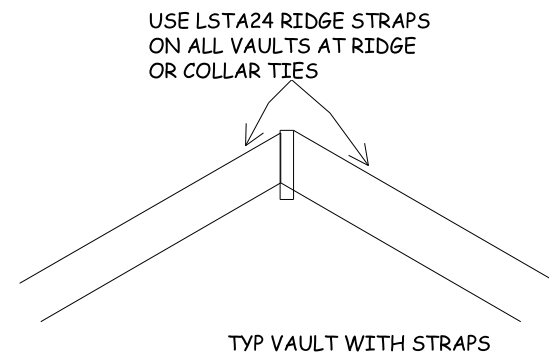
BEDROOM WINDOW EGRESS MINIMUM FOR A DOUBLE HUNG WINDOW IS 34 INCH CLEAR WIDTH MIN. AND 24 INCH CLEAR HEIGHT MIN. WITH A CLEAR OPENABLE AREA OF 5.7 SQUARE FEET MIN.
A CASEMENT OR SLIDER WINDOW MINIMUMS ARE 20 INCH CLEAR WIDTH MINIMUM AND 41 INCH CLEAR HEIGHT MINIMUM. WITH A MINIMUM 5.7 SQUARE FOOT OF OPENABLE AREA.
OPENING OF EGRESS WINDOW NOT MORE THAN 42" FROM THE FLOOR



EGRESS WINDOW WELL AS NEEDED
PER SECTION 308 MIN 3-0 X 3-0
WITH LADDER

PIER PADS

TYP. U.N.O. 3-0 X 3-0 X 12" PEIR PADS MIN.
WITH # 4 REBAR, 6 EACH WAY



ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL REBAR
GRADE 40 TYP.

ASSUMED SOIL
PRESSURE
2000 P.S.F.

4" DRAIN TILE IN WITH MIN 6"
CRUSHED ROCK OVER PIPE, DRAIN TO
DAYLIGHT, OR SUMP PUMP IN
ACCORDANCE TO R-405

7.5" CONCRETE WALL WITH NO 4 BARS HORT. EVERY 18" OF WALL
HEIGHT WITH # 4 BAR WITHIN 6" OF TOP AND BOTTOM OF WALL,
HORT. REBAR SHALL BE INSTALLED ON SOIL SIDE OF VERTICAL
REINFORCEMENT
VERTICAL REBAR SHALL BE WITHIN 8" OF THE TOP OF THE WALL,
AND POSITIONED 2" FROM THE INSIDE FACE OF WALL
VERTICAL REBAR SPACING
WALL HEIGHT IN FEET
6-0 OR LESS #4 @ 24" O.C.
8-0 # 4 @ 16" O.C.
9-0 # 4 @ 12" O.C.
10-0 # 4 @ 8" O.C.
10-0 WALL 9.5" #4 @ 12" O.C.

DAMPPOOF WALLS BELOW GRADE
SPRAY ON TAR WITHIN CODE R-406.1
FILL ALL VIODS & HONEYCOMB AREAS
BEFORE DAMPPROOFING

2 X4 TREATED PLATE OVER
SILL SEALER

1/2 " ANCHOR BOLTS AT 5-0 OC MIN. , AND BE
LOCATED WITHIN 12" FROM THE ENDS OF EACH
PLATE SECTION. SHALL EXTEND A MINIMUM OF
7" INTO CONCRETE

3/4" T & 6 SUB FLOOR
GLUED AND NAILED

2 X 4 DF NO. 2
AT 16" OC

2 - 2 X 10 DF NO 2
HEADERS TYP. U.N.O.

1/2 GYP. BOARD

2 X 6 DF NO. 2
AT 16" OC

2 X 6 DF NO. 2
AT 16" OC

7/16" APA
RATED ROOF
SHEATHING

1 X 8 FASCIA
OVER 2 X 6
SUBFASCIA

RAFTERS AND CEILING
JOISTS CONNECTIONS IN
ACCORDANCE IRC 802.3

DRIP EDGE AND GUTTER

ICE & WATER SHIELD REQUIRED ON ALL
ROOFS

SOFFIT
WITH
VENTS

7/16 APA RATED SIDING OVER
WATER RESISTIVE HOUSE WRAP IN
COMPLIANCE WITH SECTION 703.2
OF THE IRC

1" AIR SPACE WITH FOAM AIR
CHUTES

2 X 10 VAULT RAFTER

R-38 HIGH DENSITY
INSULATION

INTERCONNECTED HARD WIRED SMOKE
DETECTORS SHALL BE INSTALLED IN EACH
BEDROOM AND OUTSIDE OF EACH BEDROOM

ALL PLUMBING IF EXISITING SHALL BE CAPPED
AND AIR TESTED PRIOR TO ROUGH-IN
INSPECTION FOR LEAK VERIFICATION

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EXPOSURE CATEGORY B • 30-FOOT MEAN ROOF HEIGHT • 10-FOOT WALL HEIGHT • 8 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 ^a	Method GB	Methods DWB, WSP, SFB, PFB, PCF, HPS, BV-WSP, ABW, PFH, PFG, CS-WP	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

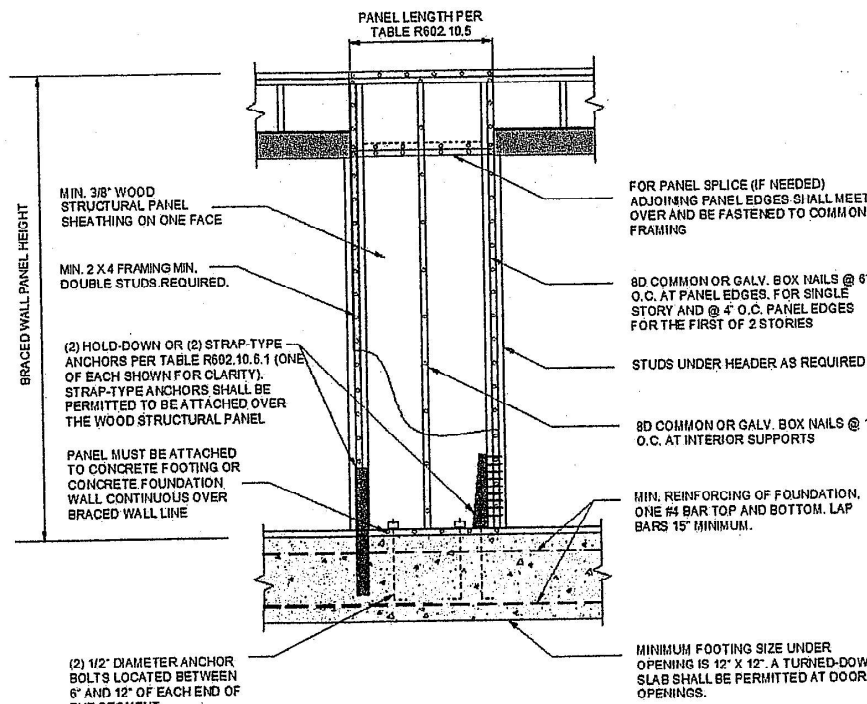
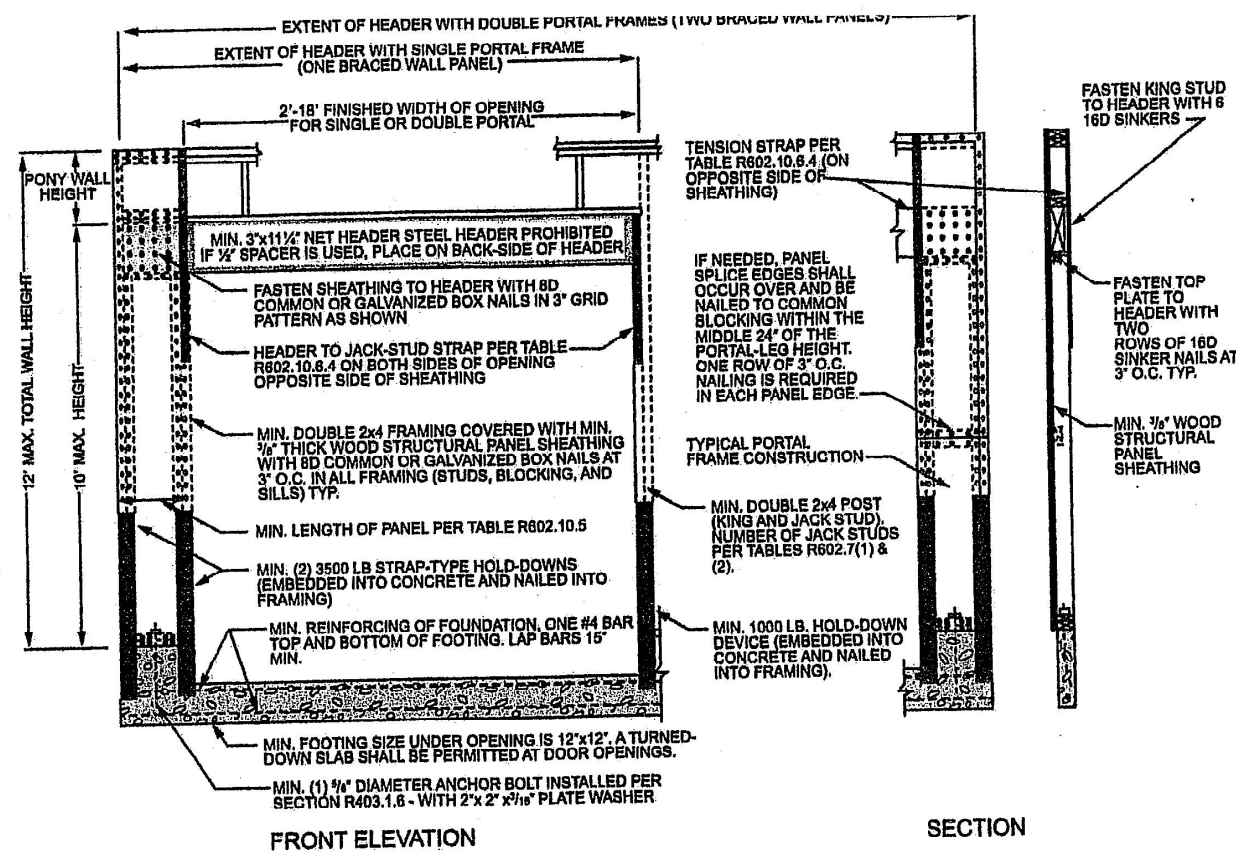


FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL



4 mm, 1 foot = 304.8 mm.

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

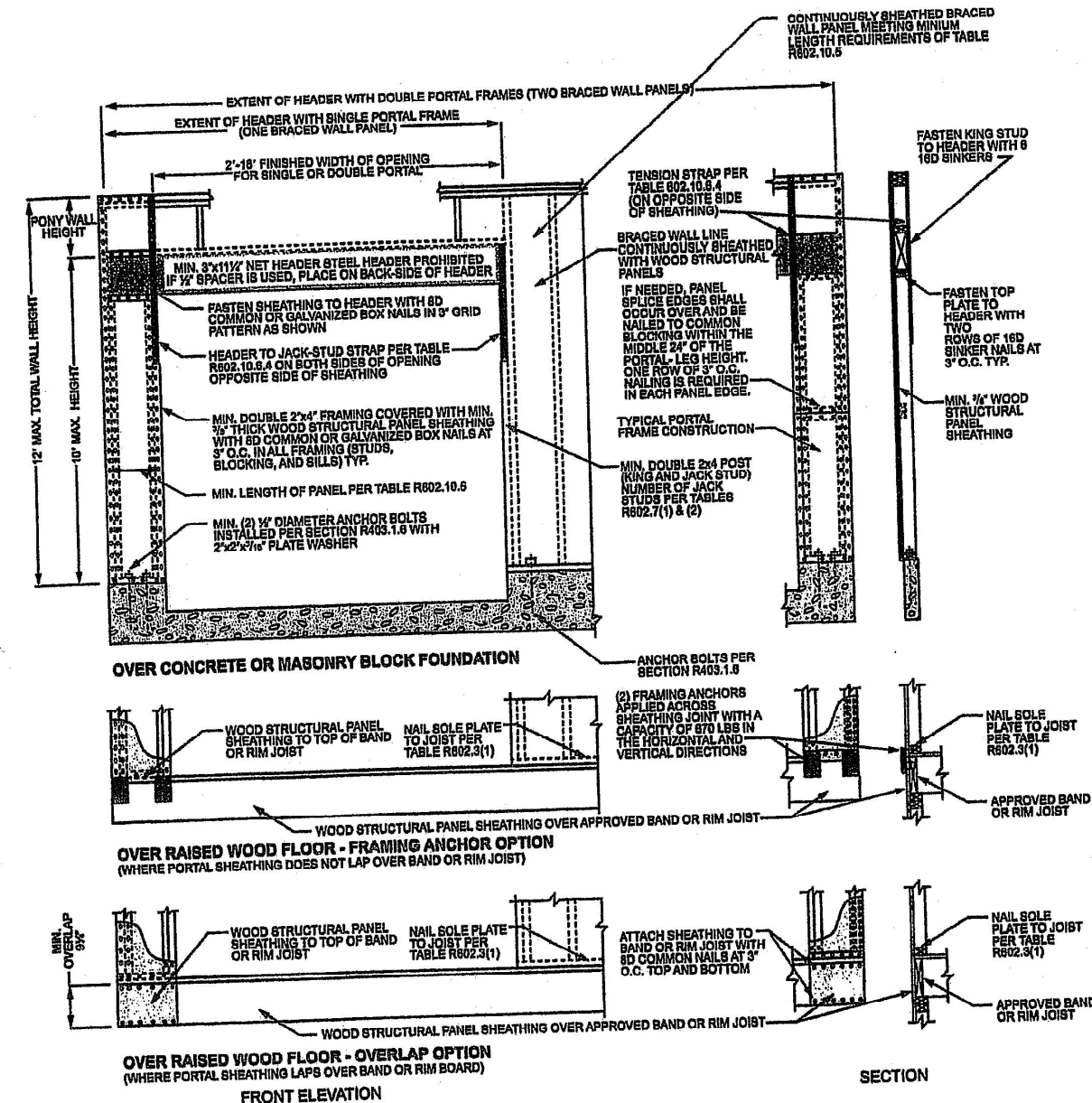
TABLE R602.10.4 BRACING METHODS				
METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a	
			Fasteners	Spacing
LIB Let-in-bracing	1 x 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing		Wood: 2-8d common nails or 3-8d (2 1/2" long x 0.113") nails	Wood: per stud and top and bottom plates
DWB Diagonal wood boards	3/4" (1" nominal) for maximum 16" stud spacing		8-d (2 1/2" long x 0.113" dia) nails or 2 - 1 1/4" long staples	Metal: per manufacturer 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
WV-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	7/16"	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
SBP Structural fiberboard sheathing	1/2" or 2/32" 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 2/32" 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) field
FPS Particleboard sheathing (See Section R605)	3/8" or 1/2" for maximum 16" stud spacing		For 3/8", 6d common (2" long x 0.113") dia) nails For 1/2", 8d common (2 1/2" long x 0.131") dia) nails	3" edges 6" field
FCP Portland cement plaster	See Section R703.7.7 for maximum 16" stud spacing		1 1/2" long, 11 gages, 1/8" dia. head nails or 1/4" long, 16 gage staples	6" o.c. on all framing members
RFS Hardboard panel siding	7/16" 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	3/8"		See Section R602.10.6.1	See Section R602.10.6.1

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, PCF, HPS, BV-WSP		48	48	48	53	58	Actual ^b
GB		48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual
LJB		55	62	69	NP	NP	Actual ^b
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48
	SDC D ₁ , D ₂ and D ₃ , ultimate design wind speed < 140 mph	32	32	34	NP	NP	
CS-G		24	27	30	33	36	Actual ^b
CS-WSP, CS-SFB	Adjacent clear opening height (Inches)						Actual ^b
	≤ 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	—	—	—	—	66	
144	—	—	—	—	72		
METHOD (See Table R602.10.4)		Partial header height					
PFH	Supporting roof only	16	16	16	Note c	Note c	48
	Supporting one story and roof	24	24	24	Note c	Note c	
PFG		24	27	30	Note d	Note d	1.5 × Actual ^b
CS-PF	SDC A, B and C	16	18	20	Note e	Note e	1.5 × Actual ^b
	SDC D ₁ , D ₂ and D ₃	16	18	20	Note e	Note e	Actual ^b

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 millo 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 R602.10.6.2, 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	
				Fasteners	Spacing
Insituform Bracing Methods	PFH Portal frame with hold-downs	3/4"		See Section R602.10.6.2	See Section R602.10.6.2
	PPG Portal frame at garage	7/16"		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	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	7/16"		See Section R602.10.6.4	See Section R602.10.6.4
	CS-SFB* Continuously sheathed structural floorboard	1/2" or 3/4" for maximum 16" stud spacing		1/4" x 12" long x 0.12" dia. (or 1/4" thick sheathing) 1 1/2" long x 0.12" dia. (or 3/4" 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 = 47.88 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. Applies to panels next to garage door opening where supporting gable and 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 D₂ 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

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

TRUMARK HOMES
WOOD BRIDGE V
LOT 21 COLBY CREEK
505 SE CARTER ROAD
LEE SUMMIT MO

SCALE

1/4" = 1-0

DATE

3-17-21

PLAN NO.

3449

SHEET NO.

5 OF 5

