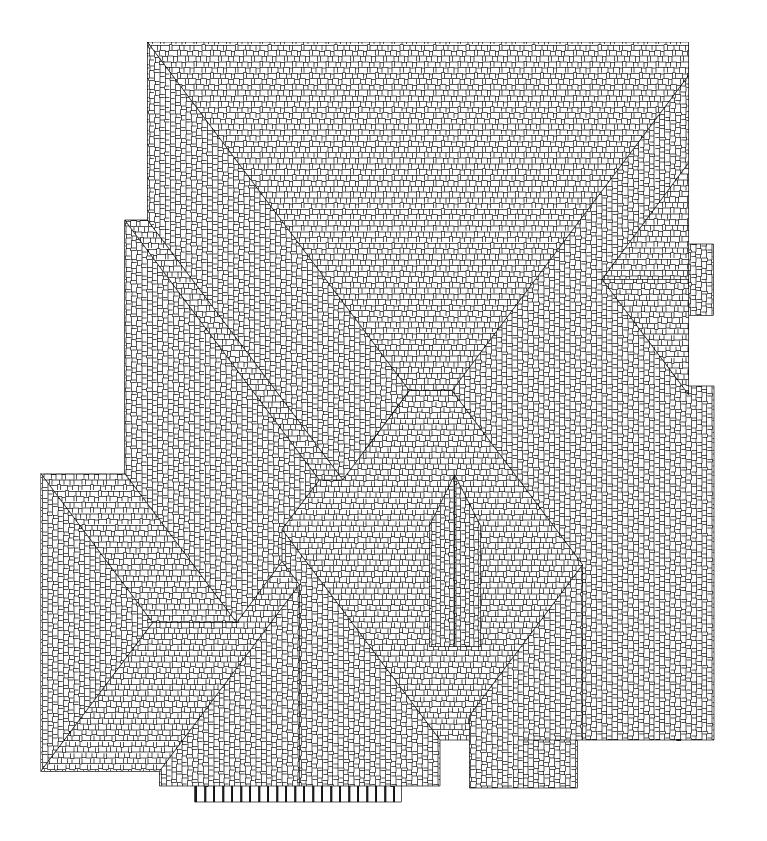
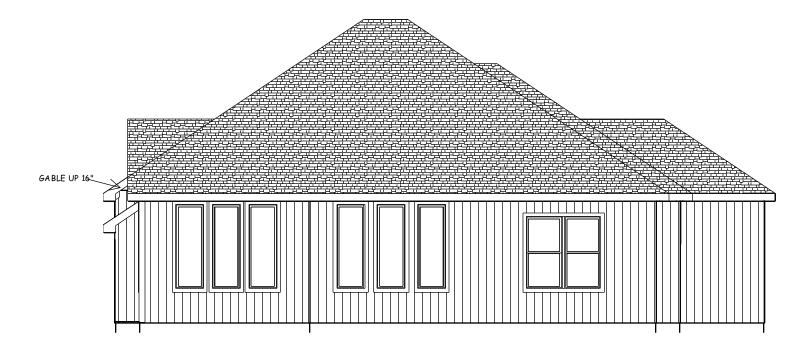
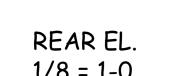
SHEET NO.

1 OF 4

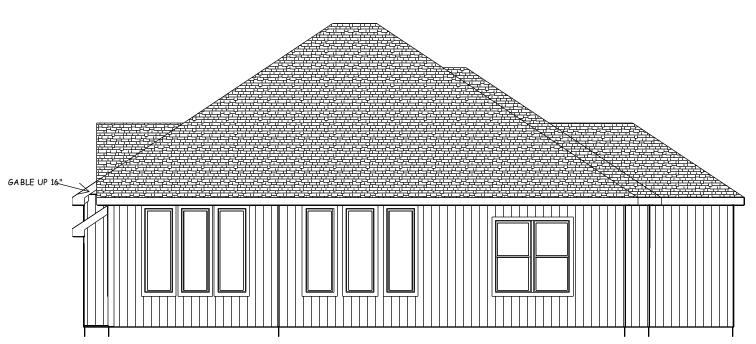


ROOF PLAN 1/8 = 1-0 ROOF PITCHES 6/12 FRONT TO BACK ROOF PITCHES 8/12 SIDE TO SIDE RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP. HIPS AND RIDGES 2 X 8 DF NO 2 TYP.









HILLCREST BEAD BOARD

1/8 = 1-0

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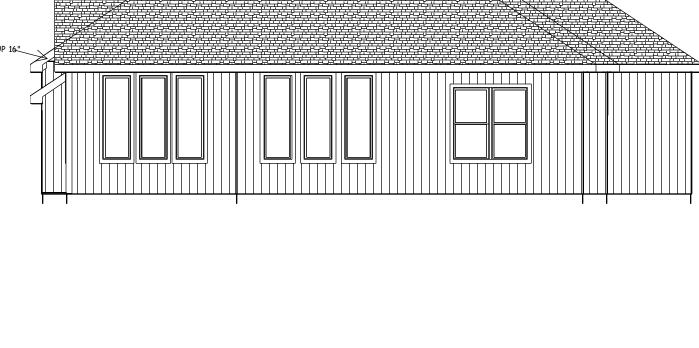
David Mezger Engineering LLC 212 NE Circle Dr. Kansas City, MO 64116



LEFT EL.

1/8 = 1-0

3 SIDES LP PANEL SIDING



RIGHT EL. 1/8 = 1-0

FRONT EL.

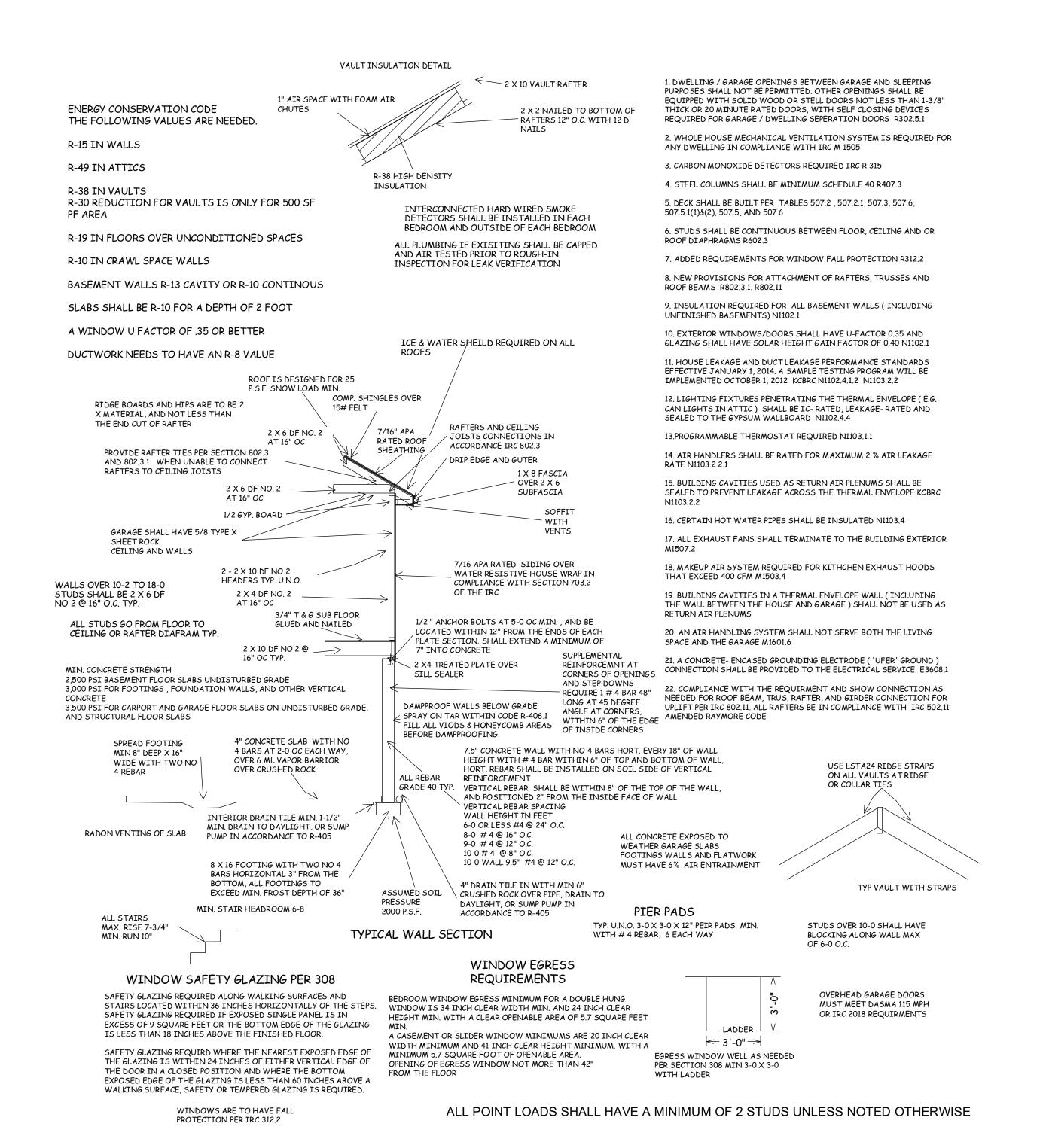
ELEVATION D

STONE AND STUCCO

DORMER 42" WIDE, 80" TALL, AND 9-0 FEET BACK FROM FRONT OFF ROOF

NOTE: TOP OF 4 X 12 IS 119- 1/2" OFF FLOOR

TOP OFF ROOF 8-11



ASK BUILDER GROUND ROD LOCATION DOUBLE JOISTS UNDER ALL WALLS TYP. 16" PIER MIN 36" BELOW GRADE WITH ABA66Z POST BASE WITH 6 X 6 POST BEAM POCKET 9-0 WALLS TYP. BEDROOM 4 FLEX ROOM/STORAGE -2 X 10 DF NO 2 @ 16" OC TYP. BARN DOOR 2 X 10 DF NO 2 @ 16" OC TYP. POCKET FAMILY ROOM 3-0 X 3-0 X 12" PIER PAD WITH 6 NO 4 EW WITH 3" SCH 40 COL. TYP. N BLOCK UNDER BEAM ABOVE 2 X 10 DF NO 2 @ 16" OC TYF 2" STUB FOR FURTURE BAR BEDROOM 3 — 2 X 10 DF NO 2 @ 16" OC TYP. NOTE JOIST & 1 TOP PLATE 2-2 X 10 — DOGGIE DOOR → F RO 38" X 38" RAILING 3-0 X 3-0 X 12" PIER PAD WITH 6 NO 4 EW WITH 3" SCH 40 COL. TYP. NOTE POWER VENT 3" STUB GAS WATER HEATER 9-0 WALLS TYP. CLOSET GROUND ROD - 10'-4" — 3" STUB — → ALL COMPOSTION AIR POCKET COMES FROM OUTSIDE NOTE: ALLOW 8" FOR HANGING BEDROOM 5 PLUMBING 2 X 10 DF NO 2 @ 16" OC TYP. -2 X 10 DF NO 2 @ 16" OC TYP. 3-0 X 3-0 X 12" PIER PAD LINEN WITH 6 NO 4 EW WITH 3" SCH 40 COL. TYP. - 6'-10" - ^ CLOSET 3-0 X 3-0 X 12" PIER PAD WITH 6 NO 4 EW FD LEVEL W/ GRINDER FOOTING STORAGE POCKET RECESS FLOOR 3"

> FOUNDATION PLAN 1414 SF FINISHED

173 SF STORAGE

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VILD IN ACCORDANCE WITH 18 INTERNATIONAL SIDENTIAL CODE AND

TRUMARK CUSTOM HOMES
KYLE IV
LOT 157 HIGHLAND MEADOWS
2713 SW 12 ST

SCALE 1/4" = 1-0

DATE

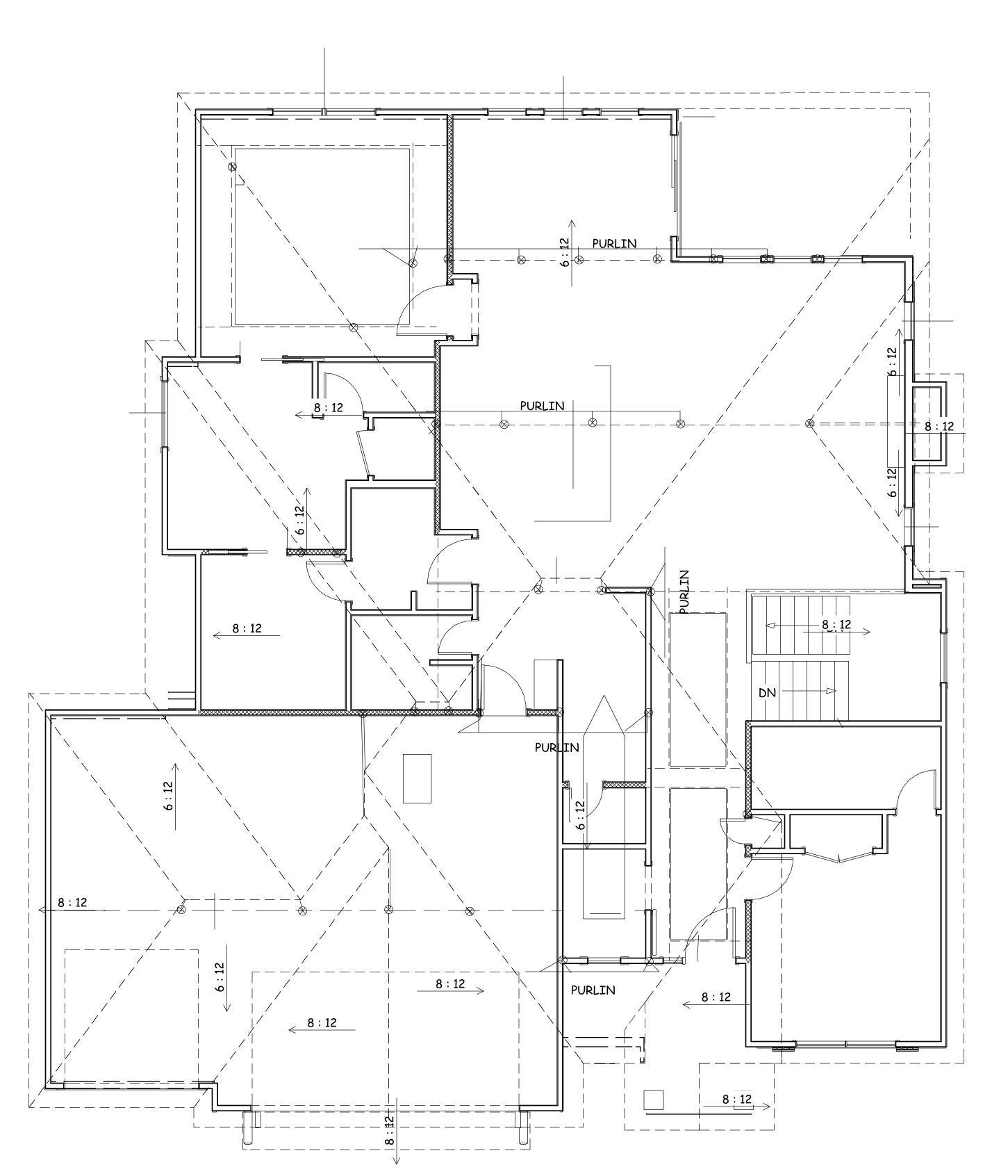
1-27-25

PLAN NO.

4364

SHEET NO.

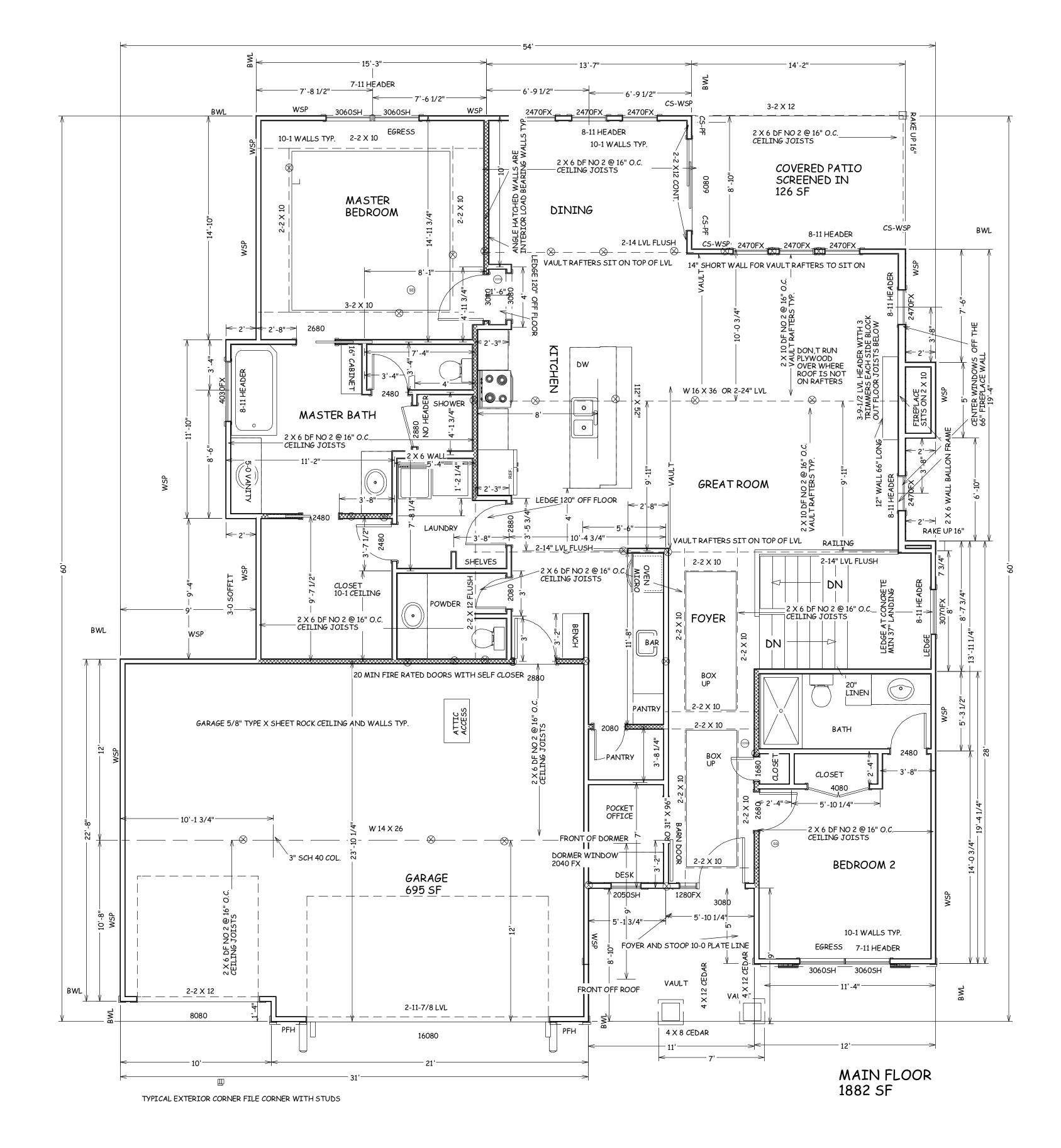
2 RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES
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02/06/2025 1:36:22

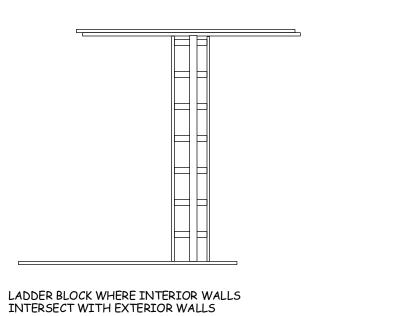


PURLIN PLAN

ROOF PITCHES 6/12 FRONT TO BACK ROOF PITCHES 8/12 SIDE TO SIDE RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP. HIPS AND RIDGES 2 X 8 DF NO 2 TYP.

RAFTER MAX. SPAN BETWEEN SUPPORTS 14-4





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David Mezger Engineering LLC
212 NE Circle Dr.
Kansas City, MO 64116

DAVID E.
MEZGER

PE-2018009531

SCALE 1/4" = 1-0

HOM

CUSTOM

MEA

DATE

1-27-25

PLAN NO.

4364

SHEET NO.

3 OF 4

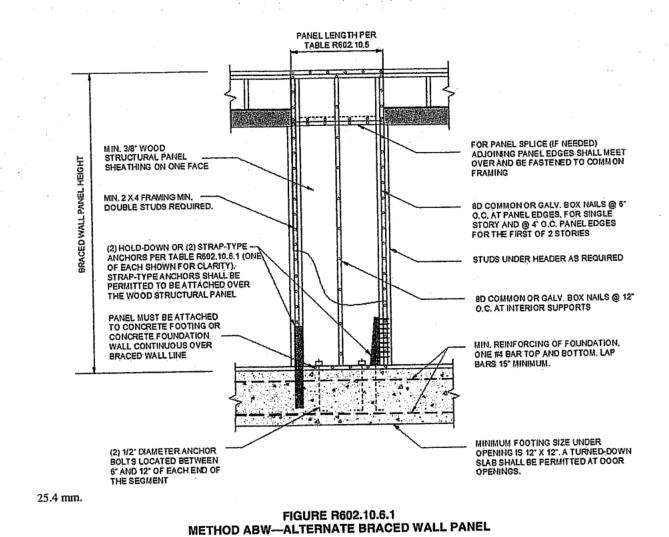
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
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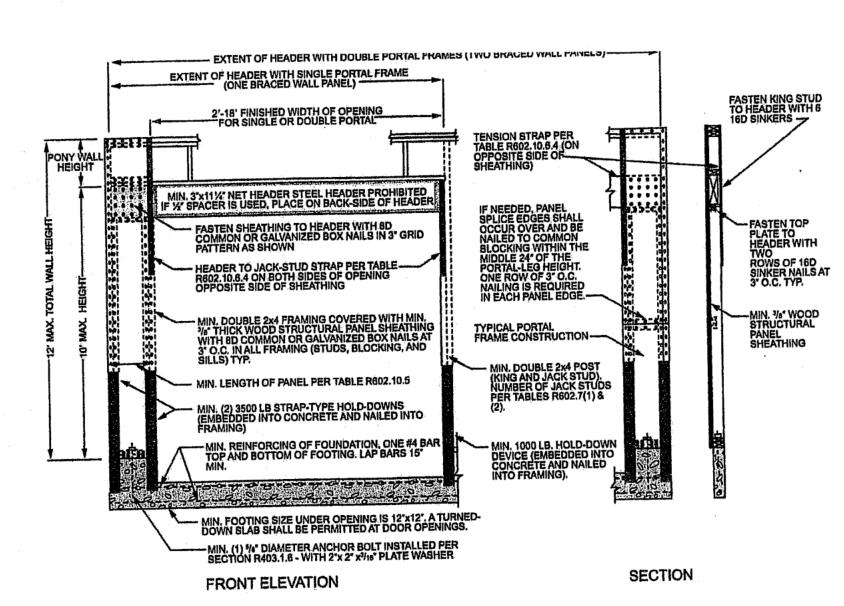
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4	OF 4 RELEASE FOR COM AS NOTED ON PLA DEVELOPMENT	NS REVIEN SERVICES
	DEE'S SUMMIT, I	

6.5 5.5 9.5 12.5 7.0 12.5 7.5 15.0 9.0 15.0 9.0 10.5 18.0 18.0 12.5 12.5 18.0 18.0 11.5 ≤ 115 13.5 23.5 23.5 14.0 29.0 29.0 16.5 17.0 34.5 20.0 34.5 11.0 13.0 27.0 17.0 20.0 35.0 21.0 24.5 43.0 25.0 29.0 51.0





4 mm, 1 foot = 304.8 mm.

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

			TABLE R602.10. BRACING METHO			
METHODS, MATERIAL MINIMUM THICKNESS			CONNECTION CRITERIA*			
		MINIMUM THICKNESS	FIGURE	Fasteners	Spacing	
	LIB	1 × 4 wood or approved metal straps			Wood: per stud and top and bottom plates	
Let-in-bracing		at 45° to 60° angles for maximum 16" stud spacing		Metal strap: per manufacturer	Metal: per manufacturer	
	DWB Diagonal wood boards	3/4" (1" nominal) for maximum 24" stud spacing		2-8d $(2^{1}/_{2}" long \times 0.113" dia.)$ nails or 2 - $1^{3}/_{4}" long staples$	Per stud	
	WSP			Exterior sheathing per Table R602.3(3)	6" edges 12" field	
Wood structural panel (See Section R60		³ / ₈ "		Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener	
ethods	BV-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 " × 0.131) nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts	
Intermittent Bracing Methods	SFB Structural fiberboard sheathing	1/2" or 25/32" 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 $^{25}/_{32}$ " thick sheathing) galvanized roofing nails	3" edges 6" field	
rmittent	GB			Nails or screws per Table R602.3(1) for exterior locations	ledges (including top	
Inte	Gypsum board	1/2"		Nails or screws per Table R702.3.5 for interior locations		
	PBS Particleboard sheathing (See Section R605)	³ / ₈ " or ¹ / ₂ " for maximum 16" stud spacing		For ${}^{3}I_{8}$ ", 6d common (2" long × 0.113" dia.) nails For ${}^{1}I_{2}$ ", 8d common (2 ${}^{1}I_{2}$ " long × 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, $7^{1}/_{16}$ " dia. head nails or $7^{1}/_{8}$ " long, 16 gage staples	members	
	HPS 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	3/8"		See Section R602.10.6.1	See Section R602.10.6.	

MINIMUM LENG				MUM LENG (Inches)	CONTRIBUTING LENGTH			
METHOD (See Table R602.10.4)		Wali Height					(Inches)	
	F	8 feet	9 feet	10 feet	11 feet	12 feet		
DWD WSD SER P	BS, PCP, HPS, BV-WSP	48	48	48	53	58	Actual ^b	
DWB, W31, 312, 1	GB	48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual	
				69	NP	NP	Actual ⁶	
	LIB	55	62	09	- IVF	144		
	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48	
ABW	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 ^b	
	Adjacent clear opening height (inches)							
	≤ 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		
CS-WSP, CS-SFB	100		44	40	38	38		
	104		49	43	40	39	Actual ^b	
	108		54	46	43	41	_	
	112		_	50	45	43		
	116			55	48	45]	
	120	_	-	60	52	48		
	124	1=	_	_	56	51		
	128		—	_	61	54	_	
	132		_		66	58	_	
	136					62	1.	
	140	-	_			66	_	
	144					72		
	METHOD			ortal header		1 49 61	-	
(See Table R602,10.4)		8 feet	9 feet	10 feet	11 feet	12 feet		
PFH	Supporting roof only	16	16	16	Note c	Note c	46	
rrn	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		
CS-PF	SDC D ₀ , D ₁ and D ₂	16	18	20	Note e	Note e	Actual	

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.

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METHODS, MATERIAL

ntinuously sheathed

wood structural panel

wood structural panel

adjacent to garage

stud spacing

MIN. 3'X111/' NET HEADER STEEL HEADER PROHIBITED 'W' SPACER IS USED, PLACE ON BACK-SIDE OF HEADER

OVER CONCRETE OR MASONRY BLOCK FOUNDATION

OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION

OVER RAISED WOOD FLOOR - OVERLAP OPTION (WHERE PORTAL SHEATHING LAPS OVER BAND OR RIM BOARD)

FRONT ELEVATION

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

Specing

See Section R602.10.6.2

See Section R602.10.6.3

6" edges 12" field

Varies by fastener

See Method CS-WSP

See Section R602.10.6.4

3" edges 6" field

SECTION

See Section R602.10.6.2

See Section R602.10.6.3

Exterior sheathing pe Table R602.3(3)

Interior sheathing per Table R602.3(1) or R602.3(2

See Method CS-WSP

See Section R602.10.6.4

 $1^{1}/_{2}$ " long × 0.12" dia. (for $\frac{1}{2}$ " thick sheathing) $1^{3}/_{4}$ " long × 0.12" dia. (for $\frac{25}{22}$ " thick sheathing) galvanized roofing nails

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, D₀, D₁ and D₂.

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 D₀, D₁ and D₂ 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 D₀, D₁ and D₂.

e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D₀ through D₂ only.

DAVID E. **MEZGER** PE-2018009531

Kansas City, MO 64116

TABLE R602.10.5 MINIMUM LENGTH OF BRACED WALL PANELS MINIMUM LENGTH* (Inches)					CONTRIBUTING LENGTH			
METHOD (See Table R602.10.4)		Wali Height				CONTRIBUTING LENGTH (Inches)		
(200 1	-	8 feet	9 feet	10 feet	11 feet	12 feet	-	
DWD WCD CER DI	SS, PCP, HPS, BV-WSP	48	48	48	53	58	Actual ^b	
	GB	48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual	
	LIB	55	62	69	NP	NP	Actual ⁶	
	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48	
ABW	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 ^b	
	Adjacent clear opening height (inches)							
	≤ 64	24	27	30	33	36	_	
	68	26	27	30	33	36	4	
	72	27	27	30	33	36		
	76	30	29	30	33	36		
	80	32	30	30	33	36	4 .	
	84	35	32	32	33	36	Actual ^b	
	88	38	35	33	33	36		
	92	43	37	35	35	36		
	96	48	41	38	36	36		
CS-WSP, CS-SFB	100		44	40	38	38		
	104		49	43	40	41		
	108		54	46 50	45	43		
	112				48	45		
	116			55 60	52	48		
	120		<u> </u>	1 00	56	51		
	124	<u> </u>		+=	61	54		
	128	 _	 _	 	66	58		
	132		 _			62		
	136 140		-	-		66		
	144				 	72		
	TETHOD	 	P	ortal heads	r height			
	ible R602,10.4)	8 feet	9 feet	10 feet		12 feet		
	Supporting roof only	16	16	16	Note c	Note o	40	
PFH	Supporting one story and roo		24	24	Note c	Note		
PFG		24	27	30	Note d	Note		
CS-PF	SDC A, B and C	16	18	20	Note e	Note	1.5 × Actual ^b Actual ^b	

braced wall

BRACE WALL DETAILS WIND SPEED 115 MPH

WIND EXPOSURE A

SEISMIC DESIGN CAEGORY A

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