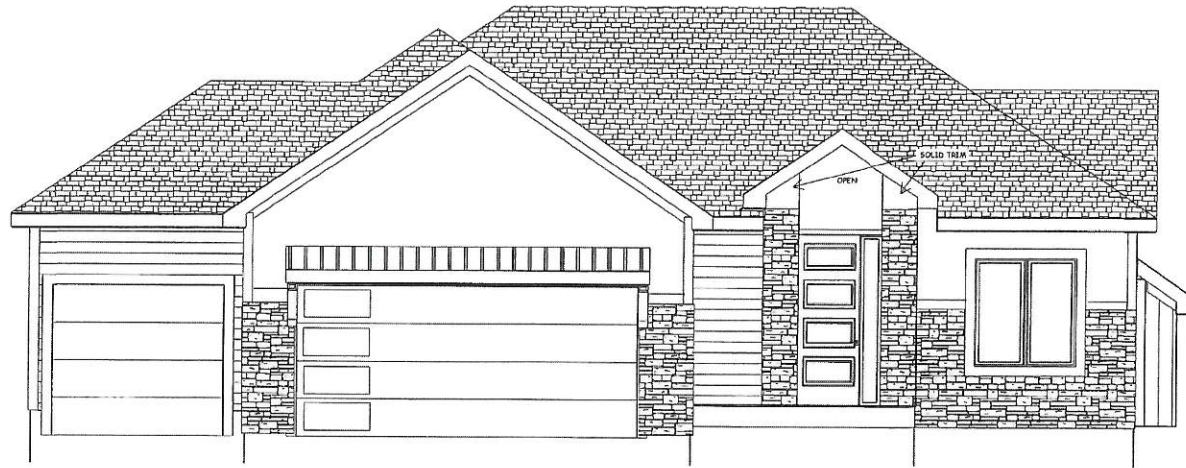
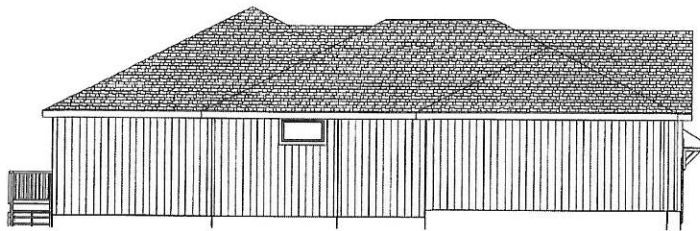
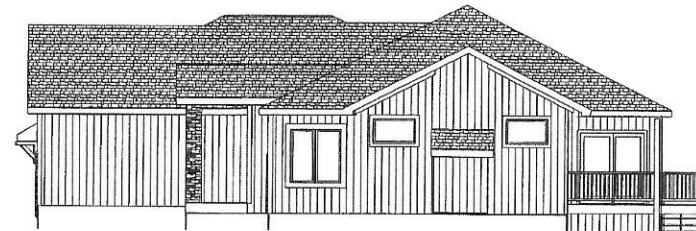




FRONT EL.
STUCCO, STONE, AND LAP SIDING



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



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



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

3 SIDES LP PANEL SIDING

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

TRUMARK HOMES
LOT 206 HIGHLAND MEADOWS
1105 SW FORD DR
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

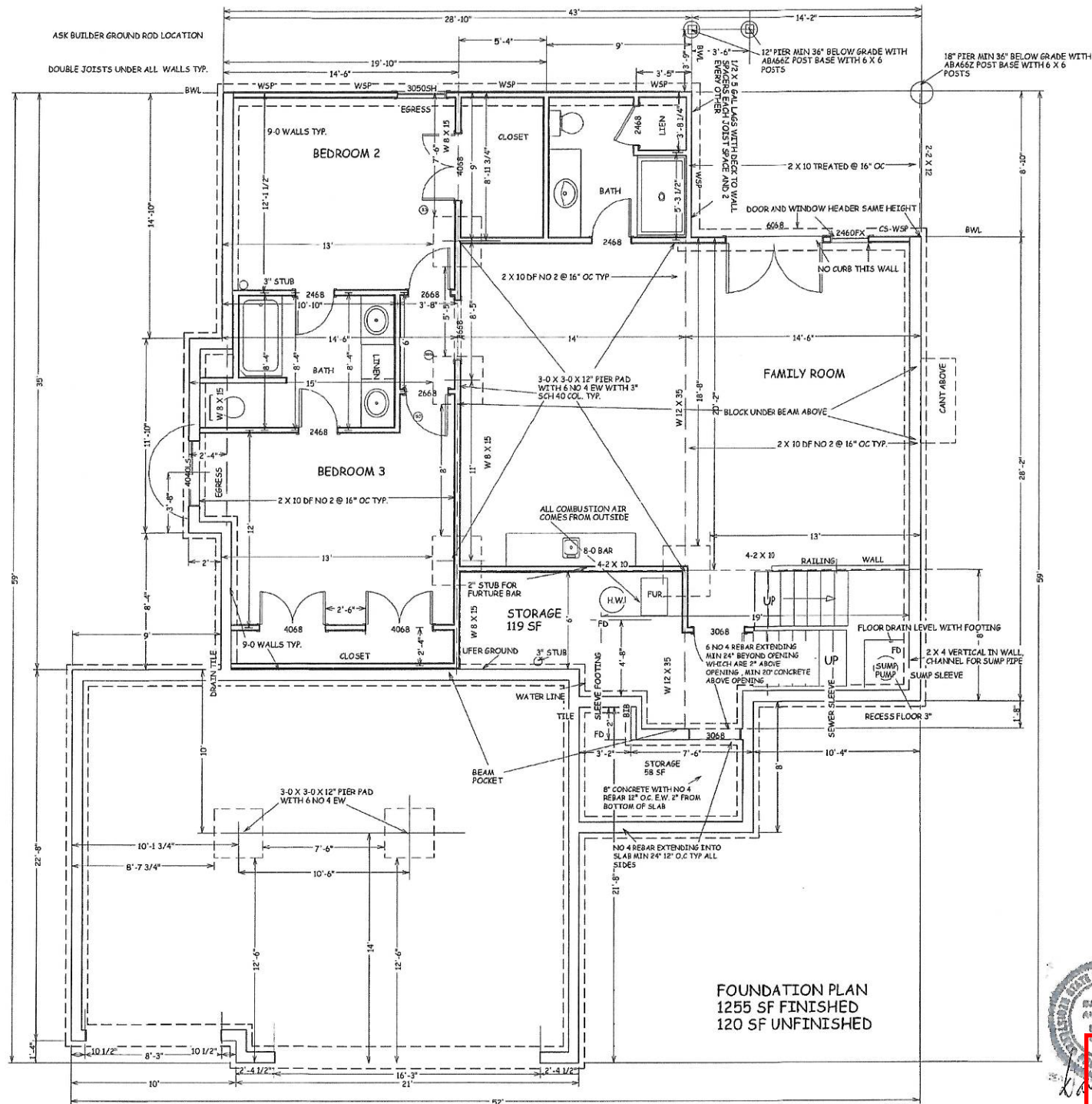
DATE
8-14-24

PLAN NO.

4280

SHEET NO.

1 OF 6



BUILD IN ACCORDANCE WITH
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TRUMARK HOMES
LOT 206 HIGHLAND MEADOWS
1105 SW FORD DR
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

DATE
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4280

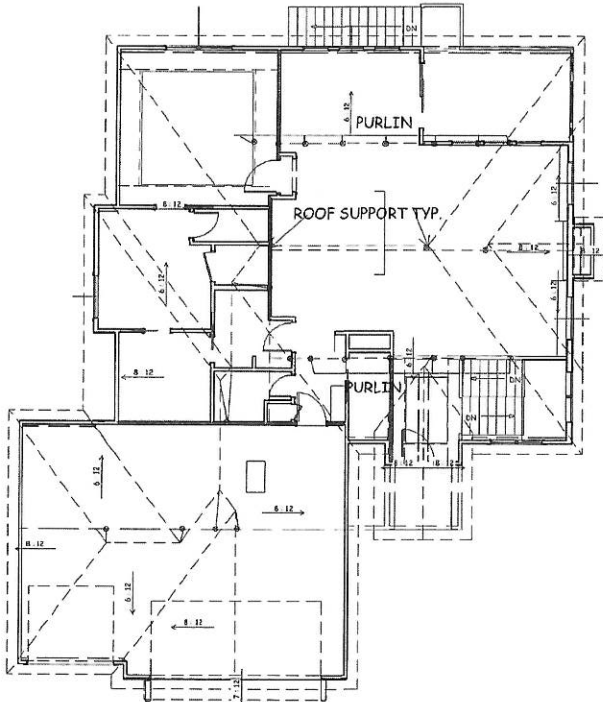
SHEET NO.



RELEASE FOR CONSTRUCTION
2 OF 6
AS NOTED FOR PLAN REVIEW
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LEE'S SUMMIT, MISSOURI

09/03/2024

2 X 6 DF NO 2 RAFTERS MAX. SPAN BETWEEN SUPPORTS 14'-4"
12" SOFFITS TYP.



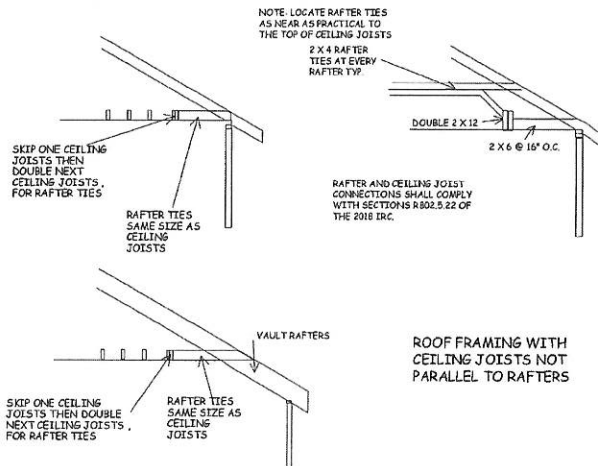
PURLIN LEG O.C. SUPPORT
2 X 6 DF NO 2 4'-0"
2 X 8 DF NO 2 5'-4"
2 X 10 DF NO 2 8'-0"
2 X 12 DF NO 2 9'-6"

SUPPORT LEG FOR PURLINS
2 X 4 8'-0"
2 X 4 W 2 X 4 T - BRACE 9'-7"
2 X 6 W 2 X 6 T - BRACE 17'-2"
2 X 8 W 2 X 6 T - BRACE 17'-4"

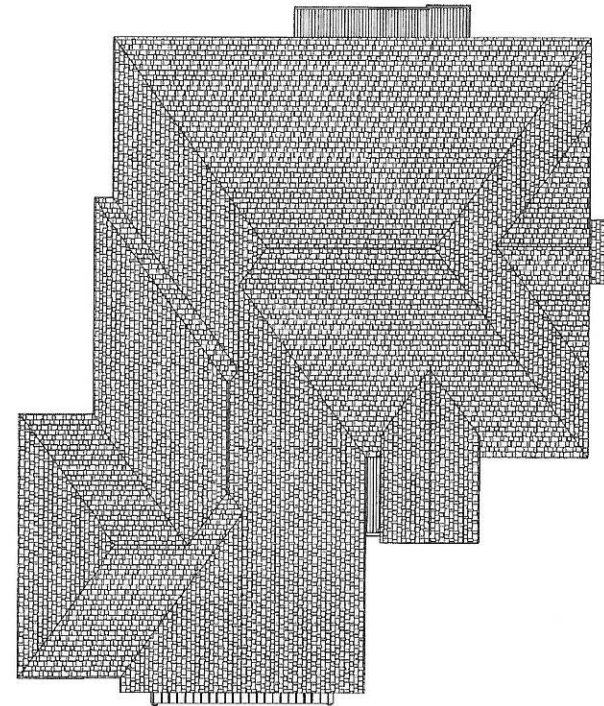
PURLIN PLAN

1/8 = 1-0

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



RAFTERS TIES



ROOF PLAN

1/8 = 1-0

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

BUILD IN ACCORDANCE WITH
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TRUMARK HOMES
LOT 206 HIGHLAND MEADOWS
1105 SW FORD DR
LEE SUMMIT MO

SCALE
1/4" = 1-0

DATE
8-14-24

PLAN NO.

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RELEASE FOR CONSTRUCTION
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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

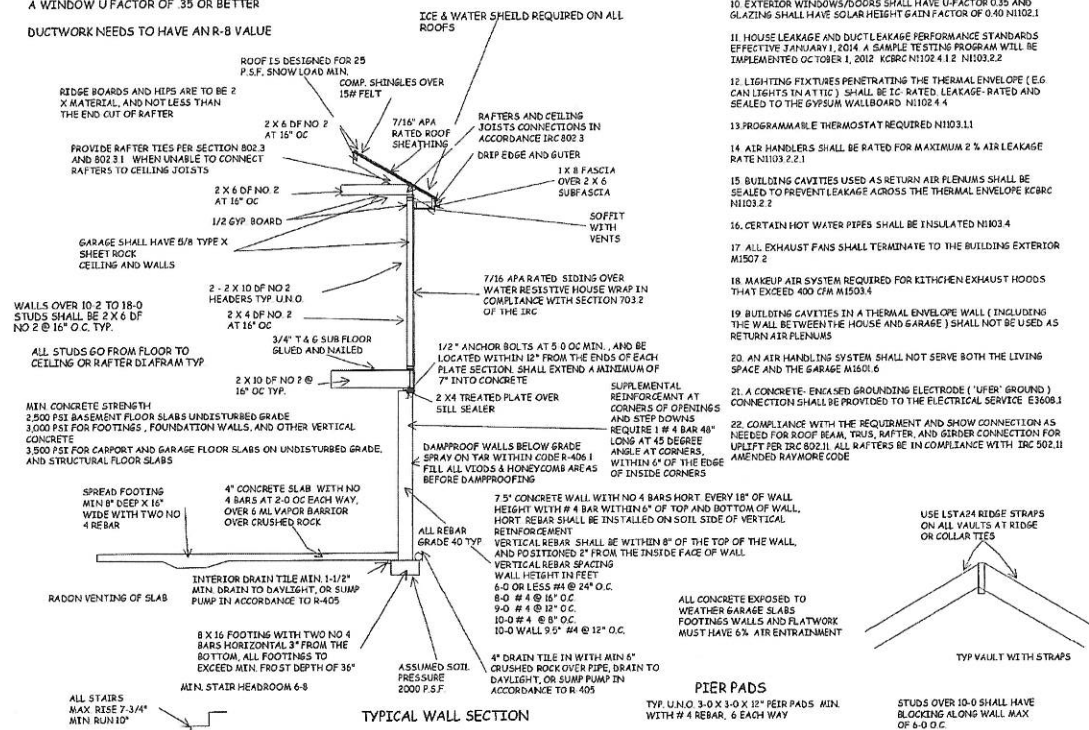
R-10 IN CRAWL SPACE WALLS

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



WINDOW SAFETY GLAZING PER 308

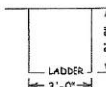
SAFETY GLAZING REQUIRED ALONG WALKING SURFACES AND STAIRS LOCATED WITHIN 36 INCHES HORIZONTALLY OF THE STEPS. SAFETY GLAZING REQUIRED IF EXPOSED SINGLE PANEL IS IN EXCESS OF 9 SQUARE FEET OR THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE THE FINISHED FLOOR.

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

WINDOW EGRESS REQUIREMENTS

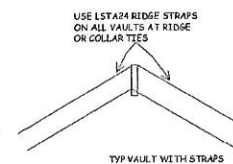
BEDROOM WINDOW EGRESS MINIMUM FOR A DOUBLE HUNG WINDOW IS 34 INCH CLEAR WIDTH AND 24 INCH CLEAR HEIGHT MIN. WITH A CLEAR OPENABLE AREA OF 5.7 SQUARE FEET MIN. A CASEMENT OR SLIDER WINDOW MINIMUM ARE 20 INCH CLEAR WIDTH MINIMUM AND 41 INCH CLEAR HEIGHT MINIMUM. WITH A MINIMUM 5.7 SQUARE FOOT OF OPENABLE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



EGRESS WINDOW WELL AS NEEDED PER SECTION 308 MIN 3'-0\"/>

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

1. DWELLING / GARAGE OPENINGS BETWEEN GARAGE AND SLEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS SHALL BE EQUIPPED WITH SOLID WOOD OR STEEL DOORS NOT LESS THAN 1-3/8\"/>
- 2. WHOLE HOUSE MECHANICAL VENTILATION SYSTEM IS REQUIRED FOR ANY DWELLING IN COMPLIANCE WITH IRC M 1505
- 3. CARBON MONOXIDE DETECTORS REQUIRED IRC R 315
- 4. STEEL COLUMNS SHALL BE MINIMUM SCHEDULE 40 R407.3
- 5. DECK SHALL BE BUILT PER TABLES 507.2, 507.2.1, 507.3, 507.5, 507.5.1 (1)(a), 507.5, AND 507.6
- 6. STUDS SHALL BE CONTINUOUS BETWEEN FLOOR, CEILING AND OR ROOF DIAPHRAGMS R502.3
- 7. ADDED REQUIREMENTS FOR WINDOW FALL PROTECTION R312.2
- 8. NEW PROVISIONS FOR ATTACHMENT OF RAFTERS, TRUSSES AND ROOF BEAMS R502.3.1 R502.11
- 9. INSULATION REQUIRED FOR ALL BASEMENT WALLS (INCLUDING UNFINISHED BASEMENTS) N1102.1
- 10. EXTERIOR WINDOWS/DOORS SHALL HAVE U-FACTOR 0.35 AND GLAZING SHALL HAVE SOLAR HEAT GAIN FACTOR OF 0.40 N1102.1
- 11. HOUSE LEAKAGE AND DUCT LEAKAGE PERFORMANCE STANDARDS EFFECTIVE JANUARY 1, 2014. A SAMPLE TESTING PROGRAM WILL BE IMPLEMENTED OCTOBER 1, 2012. KBCRC N1102.4.1.2 N1103.2.2
- 12. LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE (E.G. CAN LIGHTS IN ATTIC) SHALL BE IC RATED, LEAKAGE RATED AND SEALED TO THE GYPSUM WALLBOARD N1102.4.4
- 13. PROGRAMMABLE THERMOSTAT REQUIRED N1103.1.1
- 14. AIR HANDLERS SHALL BE RATED FOR MAXIMUM 2 % AIR LEAKAGE RATE N1103.2.2.1
- 15. BUILDING CAVITIES USED AS RETURN AIR FLEXIBLES SHALL BE SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE KBCRC N1103.2.2
- 16. CERTAIN HOT WATER PIPES SHALL BE INSULATED N1103.4
- 17. ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR M1507.2
- 18. MAKEUP AIR SYSTEM REQUIRED FOR KITCHEN EXHAUST HOODS THAT EXCEED 400 CFM M1503.4
- 19. BUILDING CAVITIES IN A THERMAL ENVELOPE WALL (INCLUDING THE WALL BETWEEN THE HOUSE AND GARAGE) SHALL NOT BE USED AS RETURN AIR FLEXIBLES
- 20. AN AIR HANDLING SYSTEM SHALL NOT SERVE BOTH THE LIVING SPACE AND THE GARAGE M1501.6
- 21. A CONCRETE- ENCASED GROUNDING ELECTRODE ('UFER' GROUND) CONNECTION SHALL BE PROVIDED TO THE ELECTRICAL SERVICE E1608.1
- 22. COMPLIANCE WITH THE REQUIREMENT AND SHOW CONNECTION AS NEEDED FOR ROOF BEAM, TRUS, RAFTER, AND GIBBER CONNECTION FOR UPLIFT PER IRC 602.11. ALL RAFTERS BE IN COMPLIANCE WITH IRC 502.11 AMENDED RAYMORE CODE



TYP VAULT WITH STRAPS

PIER PADS
TYP. U.N.O. 3'-0\"/>

STUDS OVER 10-0 SHALL HAVE BLOCKING ALONG WALL MAX OF 6-0 O.C.

OVERHEAD GARAGE DOORS MUST MEET DASHA 115 MPH OR IRC 2018 REQUIREMENTS



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TRUMARK HOMES
LOT 206 HIGHLAND MEADOWS
1105 SW FORD DR
LEE SUMMIT MO

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TABLE A00.10.12-2 BRACING REQUIREMENTS BASED ON WIND SPEED						
ENVELOPE CATEGORY B • 20' HIGHT INPLAN IN HEIGHT • BRACE WALL 10' HIGHT • 3 BRACE WALL LINES		MINIMUM TOTAL LENGTH PER FEET OF BRACE WALL PANELS EXTENDING ALONG EACH BRACE WALL LINE				
Ultimate Design Wind Speed (mph)	Story Location	Story Total Wall Length ^a (Feet)	Minimum LWP	Minimum SW	Minimum SWL, HAP, STPL, PCL, SWL, STPL, DIPER, SWL, STPL, PCL, SWL, STPL	Minimum SWL, HAP, STPL, PCL, SWL, STPL, DIPER, SWL, STPL, PCL, SWL, STPL
≤ 115		10	3.5	3.5	1.0	2.0
		20	6.5	6.5	1.5	3.5
		30	9.5	9.5	2.0	4.5
		40	12.5	12.5	2.0	6.0
		50	15.0	15.0	2.0	7.5
		60	18.0	18.0	2.0	9.0
		10	7.5	7.5	4.0	4.5
		20	12.5	12.5	7.5	6.5
		30	18.0	18.0	10.5	9.0
		40	23.5	23.5	13.0	11.5
		50	29.0	29.0	15.5	14.0
		60	34.5	34.5	18.0	16.0
		10	NP	NP	4.0	5.0
		20	NP	NP	11.0	9.0
		40	NP	NP	15.5	13.0
		60	NP	NP	20.0	18.0
	40	NP	NP	20.0	18.0	
	60	NP	NP	24.0	21.0	

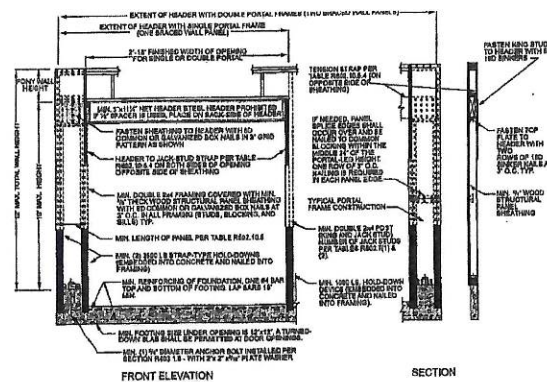
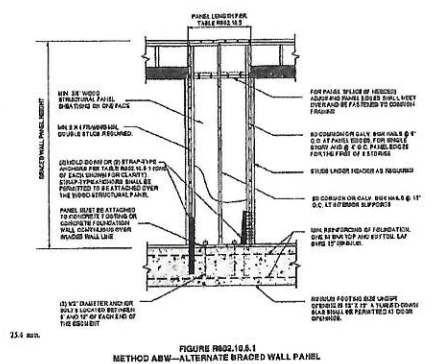


FIGURE R602.10.8.2
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

METHODS, MATERIALS	MINIMUM THICKNESS	BRACING	CONNECTION DETAILS	
			Face member	Splicing
MAXIMUM THICKNESS 1 1/2"	1 x 6 wood or approved metal strap at 45° to face of maximum 12" end joist and top flange		1-Weld: 2-61 concrete nails or 1-Weld (1/2" x 1/2" x 1 1/2") flat plate Metal strap per manufacturer	Weld: per end and top and bottom plates Metal: per manufacturer
	1/2" x 12" metal web bracing		1-Weld: 2-61 long 0-133 flat bolts or 2- 1/2" long straps	For steel
	Weld structural plate (See Section R602)		Start-toe mounting per Table R607.3(1)	Welds by fabricator
	1/2" x 12" metal web bracing with straps or rafter ties (See Section R602.1.6.3.3)		Intersecting joist per Table R602.3(1) or R602.3(2)	12" at point end 12" at bottom flange "respects" 6" at end weld and girth
	6/8" x 12" x 1/2" galvanized steel rafter tie		1/2" long x 0-133 (See 1/2" x 1/2" x 1 1/2") flat plate 1/2" long x 12" x 1/2" flat plate (See 1/2" x 1/2" x 1 1/2") flat plate	3" edge 6" field
	CR Open wood		Joist to rafter ties per Table R602.3(1) for exterior locations Joist to rafter ties per Table R602.3(1) for interior locations	All braced wall joists (including top and bottom plates)
	6/8" x 12" x 1/2" galvanized steel rafter tie		For 1/2" x 12" section 1/2" long x 0-133 flat bolts 1/2" long x 12" x 1/2" flat plate 1/2" long x 12" x 1/2" flat plate	3" edges 6" field
	6/8" x 12" x 1/2" galvanized steel rafter tie		For 1/2" x 12" section 1/2" long x 0-133 flat bolts 1/2" long x 12" x 1/2" flat plate 1/2" long x 12" x 1/2" flat plate	as per an off-manufacture
	6/8" x 12" x 1/2" galvanized steel rafter tie		For 1/2" x 12" section 1/2" long x 0-133 flat bolts 1/2" long x 12" x 1/2" flat plate 1/2" long x 12" x 1/2" flat plate	4" edges 8" field
	6/8" x 12" x 1/2" galvanized steel rafter tie		For 1/2" x 12" section 1/2" long x 0-133 flat bolts 1/2" long x 12" x 1/2" flat plate 1/2" long x 12" x 1/2" flat plate	as per an off-manufacture
AW Aluminum braced wall	1/2"		See Section R602.10.6.1	See Section R602.10.6.1

MINIMUM LENGTH OF HANGING WALL PANELS								
METHOD (See Table PB10.10.4)		Span (feet)					CONTRIBUTED LENGTH (feet)	
		Wind Height						
		1 foot	5 feet	10 feet	15 feet	20 feet		
DWB, WBF, STB, PCL, PCL, HPS, B, W, NP	CS	48	48	48	53	55	Actual*	
	CS	48	48	48	53	55	Disaster relief = Actual Single relief = 0.5 x Actual	
	1/8"	55	63	68	NP	NP	Actual*	
	ASW	SDC A, B and C, unknown wind speed < 140 mph	38	32	34	38	42	48
	SDC IV, D, and D ₁ , unknown wind speed < 140 mph	33	32	34	NP	NP		
	CS-4	24	27	30	35	36	Actual*	
	Adjust one opening height (feet)							
	CS-WBF, CS-STB	64	54	27	30	33	36	Actual*
		81	25	27	30	33	36	
		72	27	30	33	35	35	
76		30	30	38	33	35		
80		32	35	38	33	35		
88		38	35	33	33	35		
93		41	37	35	33	36		
96		49	41	38	36	38		
100		40	40	34	38			
105		49	43	40	38			
108		54	48	43	41			
110		50	43	41				
115		55	48	43				
120		60	53	48				
126		66	58	51				
128		61	54	54				
135	66	61						
140	68							
146	72							
METHOD (See Table PB10.10.4)		Period number heights						
		1 foot	5 feet	10 feet	15 feet	20 feet		
PFH	Noting on only one	14	16	14	Note c	Note c	48	
	Supporting steel and steel	16	18	24	Note c	Note c		
	PFH	24	27	30	Note d	Note c		
CS-PP	SDC A, B, and C	16	18	20	Note c	Note c	1.5 x Actual*	
	SDC IV, D, and D ₁	16	18	30	Note d	Note c	1.5 x Actual*	

For R1: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.
 NIP = Not Permitted.

1. Litter incineration shall be permitted.

2. Use the actual height where it is greater than or equal to the minimum height.

3. Minimum border height for PPH is 10 feet in accordance with Figure 16022.10.5.2, but wall height shall be permitted to be increased to 12 feet with pvc wall.

4. Minimum border height for PPH is 10 feet in accordance with Figure 16022.10.5.3, but wall height shall be permitted to be increased to 12 feet with pvc wall.

5. Minimum border height for PPH is 10 feet in accordance with Figure 16022.10.5.4, but wall height shall be permitted to be increased to 12 feet with pvc wall.

6. Minimum border height for PPH is 10 feet in accordance with Figure 16022.10.5.5, but wall height shall be permitted to be increased to 12 feet with pvc wall.

POTENTIAL DEFECTS	MINIMUM REQUIREMENTS	FUTURE	CONSEQUENCE CATEGORY ^a	
			Fatigue	Spalling
Structurally Damaged Members	PTF Trans lapers with int-to-int		See Section 800.2.10.6.2	See Section 800.2.10.6.3
	PTF Partial beam at girth		See Section 800.2.10.6.3	See Section 800.2.10.6.3
Crack-related Structural Members	CR-WP Continuously shaded wet weather paint aligned to repair cracks		Interior shading per Table 800.15.1.2	6" edges 1" field Values for future
	CR-WP Continuously shaded wet weather paint aligned to repair cracks		See Section 800.2.10.6.3	See Section 800.2.10.6.3
	CR-WP Continuously shaded wet weather paint aligned to repair cracks		See Section 800.2.10.6.4	See Section 800.2.10.6.4
Crack-related Structural Members	CR-WP Continuously shaded wet weather paint aligned to repair cracks		1" long w/ 0.125" dia. (or 1" wide shading) 1" long w/ 0.125" dia. (or 1" wide shading) aligned to repair cracks	3" edge 0.6" field

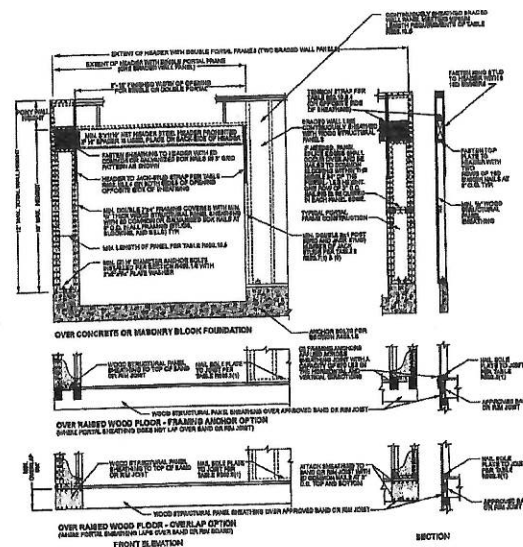


FIGURE R602.10.8.4
METHOD CB-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

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TRUMARK HOMES
LOT 206 HIGHLAND MEADOWS
11105 SW FORD DR
LEE SUMMIT MO

SCALE
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DATE
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6 OF 6
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