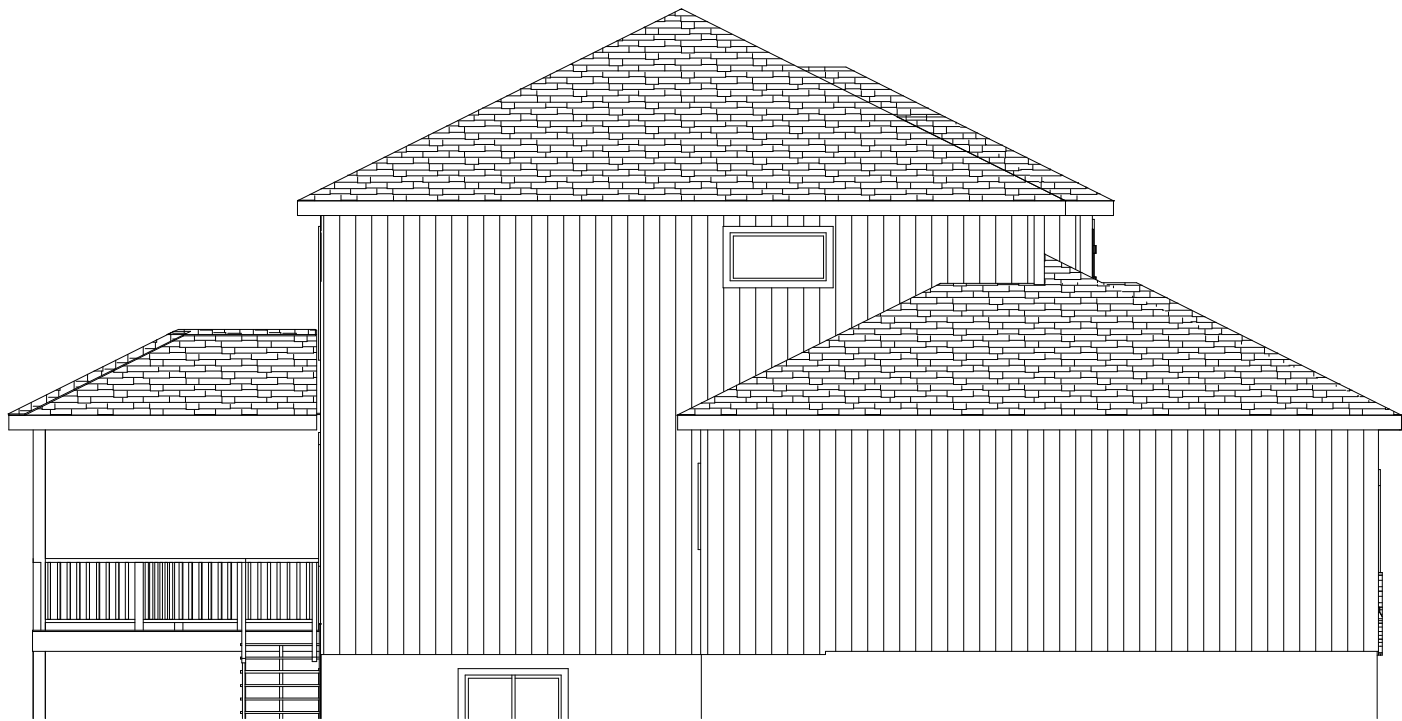


RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.  
HIPS AND RIDGES 2 X 8 DF NO 2

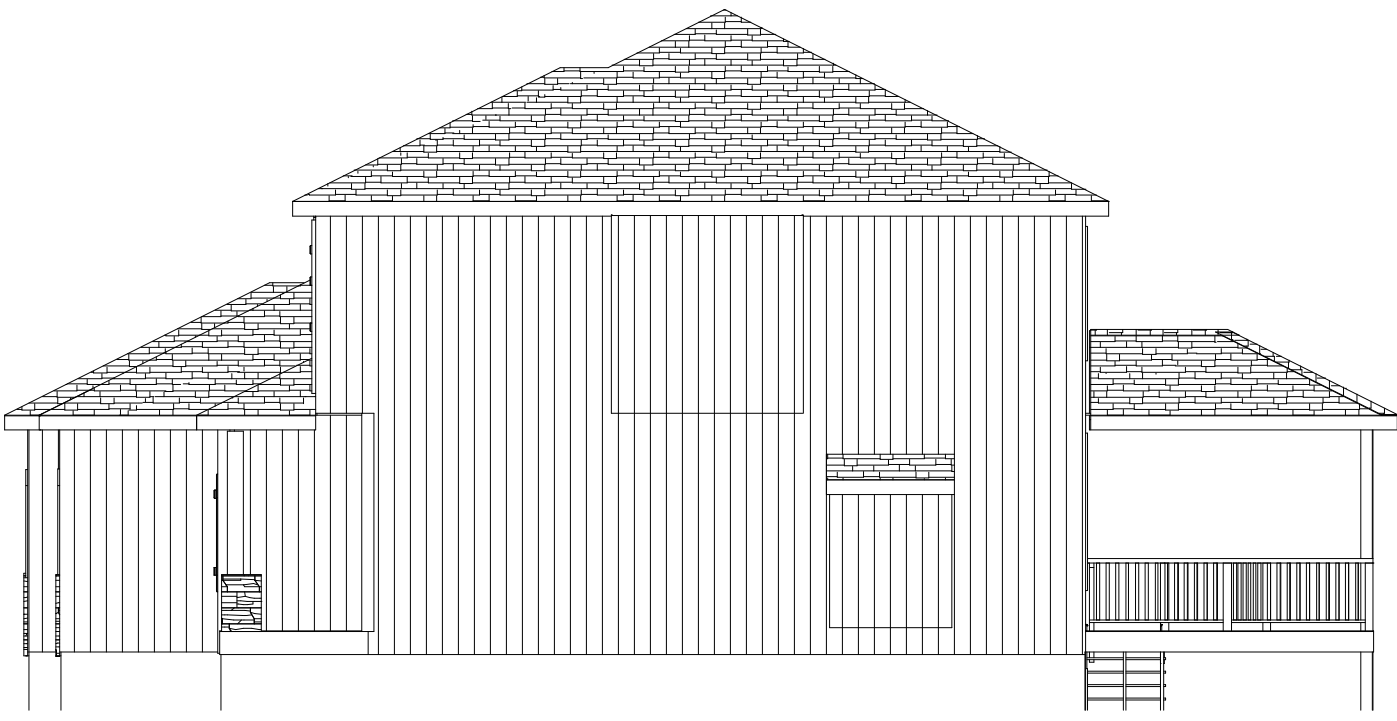
ROOF PLAN  
1/8" = 1'-0"  
ROOF PITCHES 6/12 U.N.O.  
12" SOFFITS TYP.



FRONT EL.  
STUCCO AND STONE



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



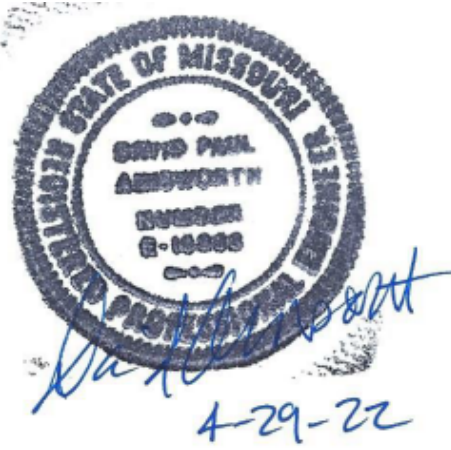
RIGHT EL.  
1/8" = 1'-0"



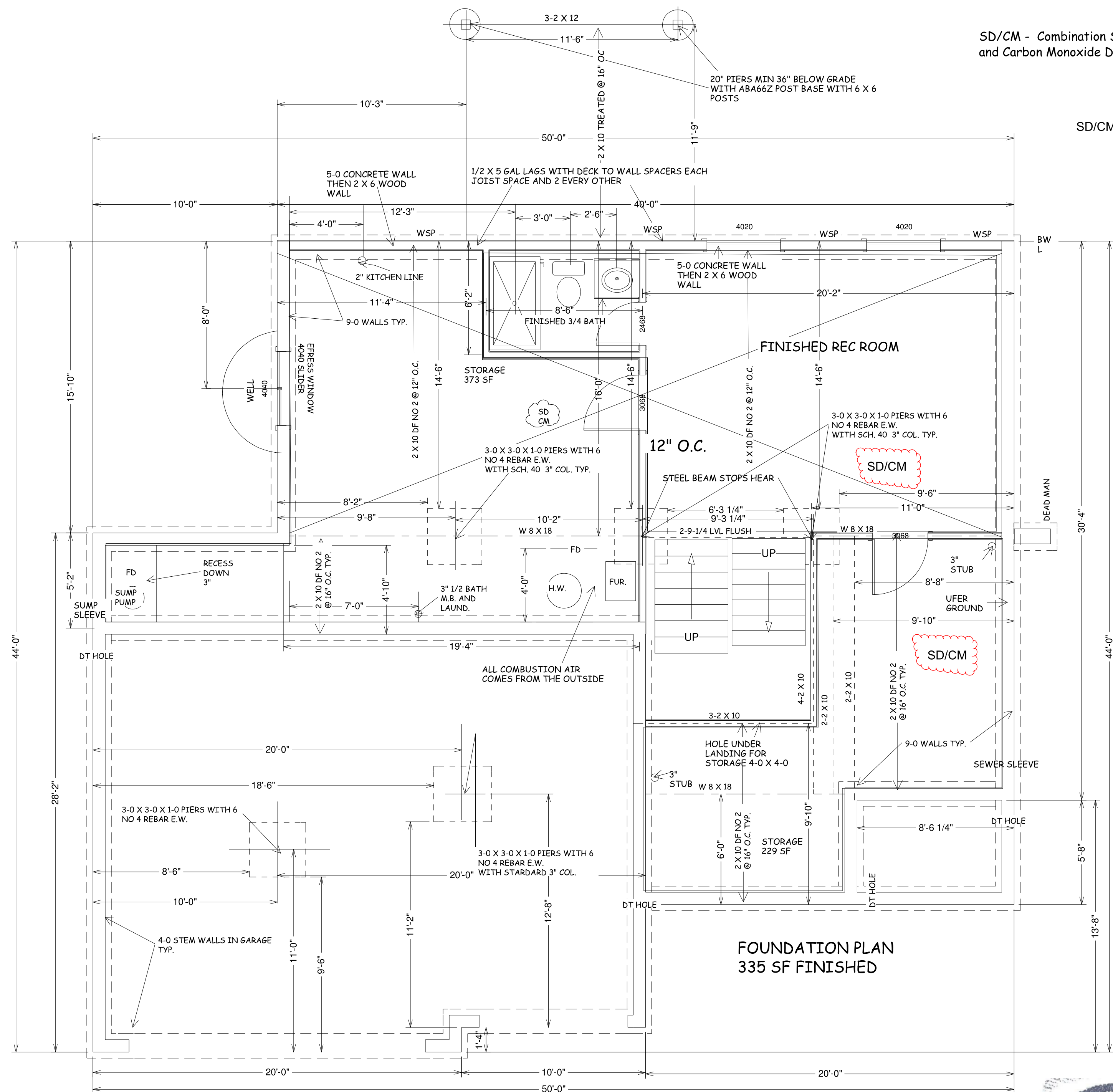
REAR EL.  
1/8" = 1'-0"

3 SIDES LP PANEL SIDING

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



BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.	
TRUMARK HOMES LOT 148 MONTICELLO 4732 FREEHOLD DR LEE SUMMIT MO	
SCALE 1/4" = 1'-0"	
DATE 5-2-22	
PLAN NO. 3783	
SHEET NO. 1 OF 6	



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

TRUMARK HOMES  
LOT 148 MONTICELLO  
4732 FREEHOLD DR  
LEE SUMMIT MO

SCALE  
1/4" = 1'-0"

DATE  
5-2-22

PLAN NO.

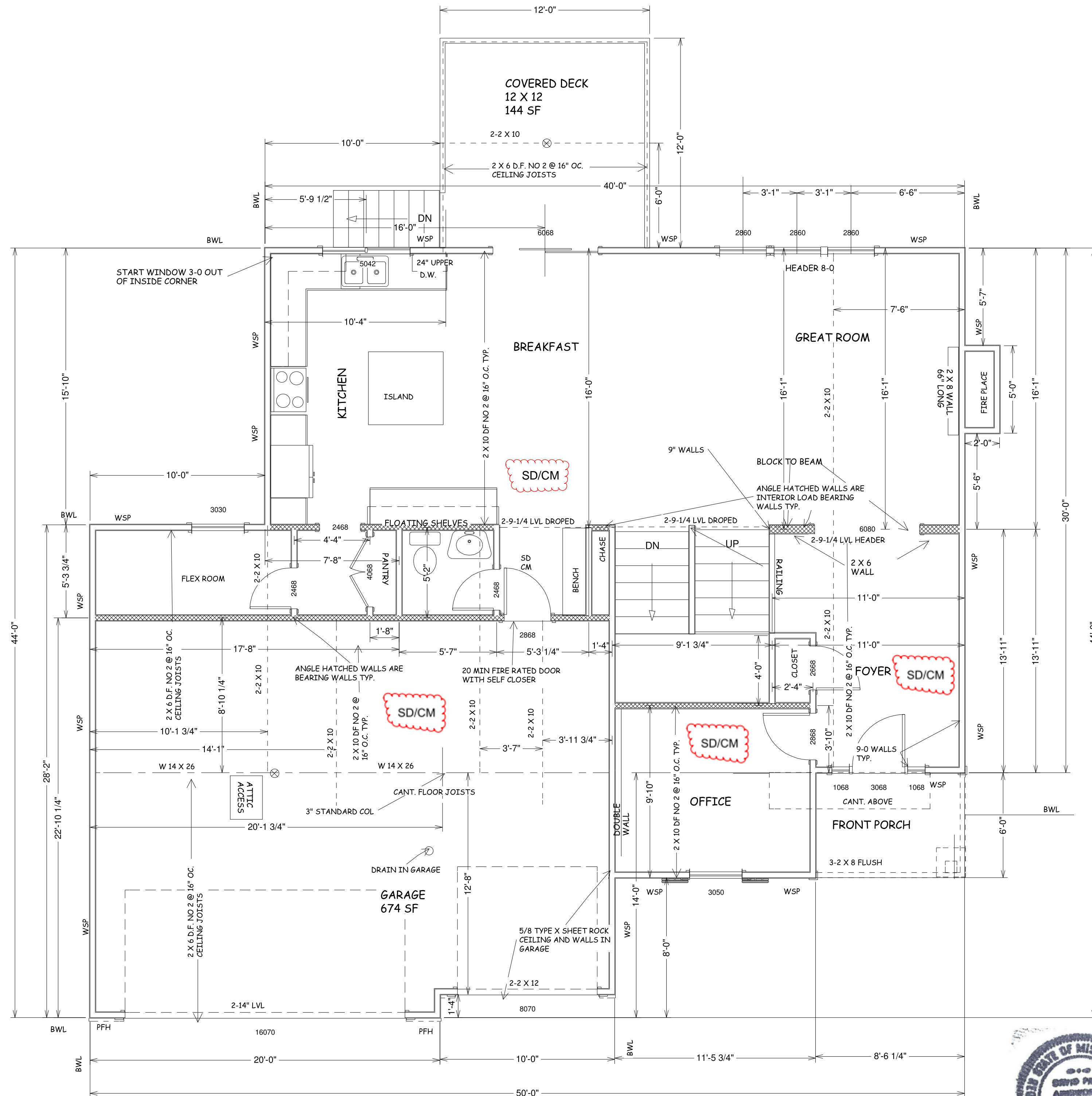
3783

SHEET NO.

2 OF 6

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





MAIN FLOOR  
1151 S.F.



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

TRUMARK HOMES  
LOT 148 MONTICELLO  
4732 FREEHOLD DR  
LEE SUMMIT MO

SCALE  
1/4" = 1'-0"

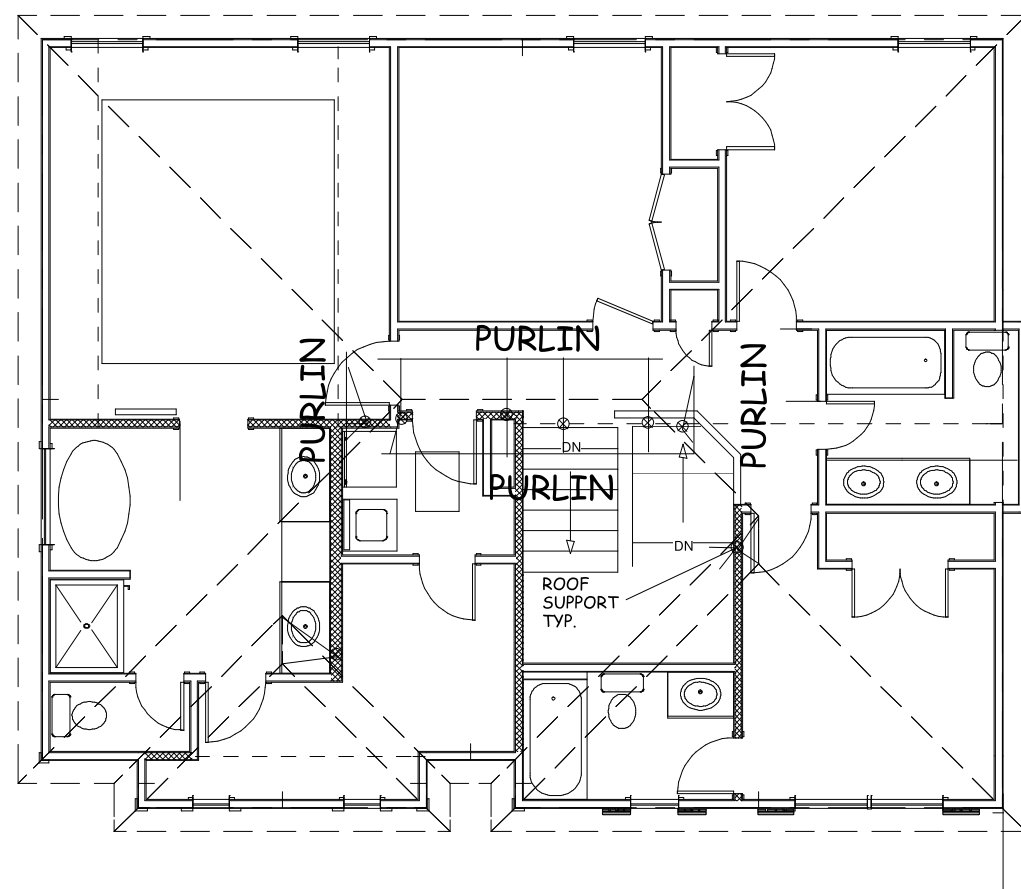
DATE  
5-2-22

PLAN NO.  
3783

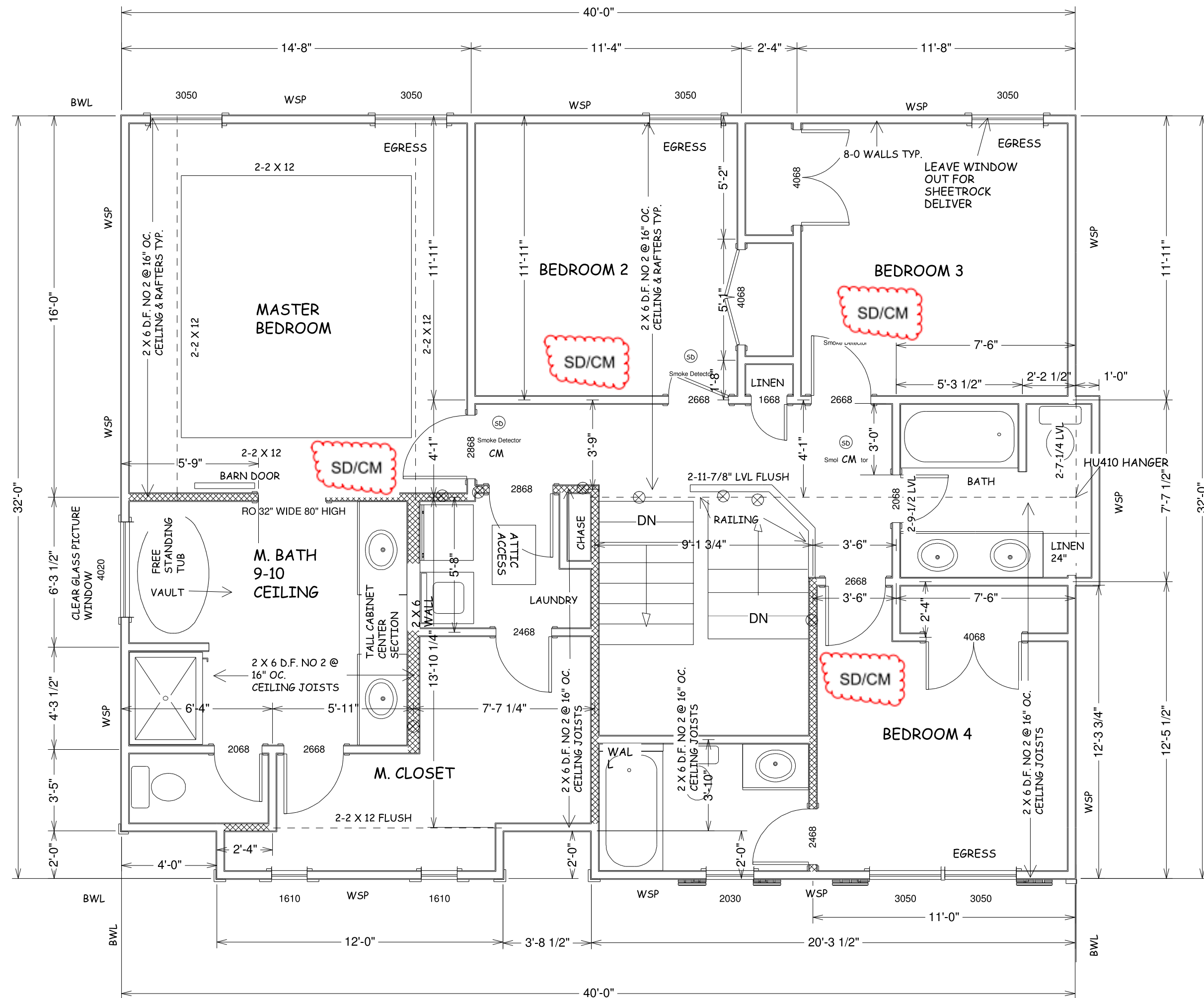
SHEET NO.

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

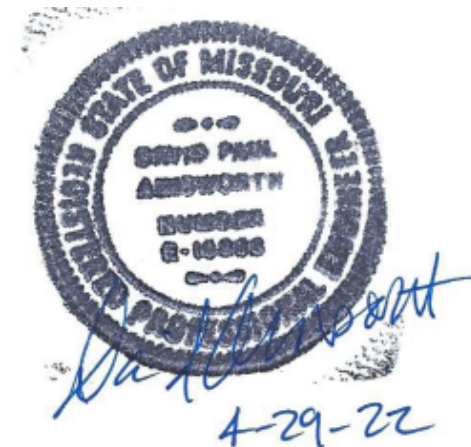




SECOND FLOOR PURLIN PLAN  
1/8" = 1'-0  
NO PURLINS ON MAIN FLOOR



SECOND FLOOR  
1160 S.F.



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

TRUMARK HOMES  
LOT 148 MONTICELLO  
4732 FREEHOLD DR  
LEE SUMMIT MO

SCALE  
1/4" = 1'-0

DATE  
5-2-22

PLAN NO.  
3783

SHEET NO.

4 OF 6

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

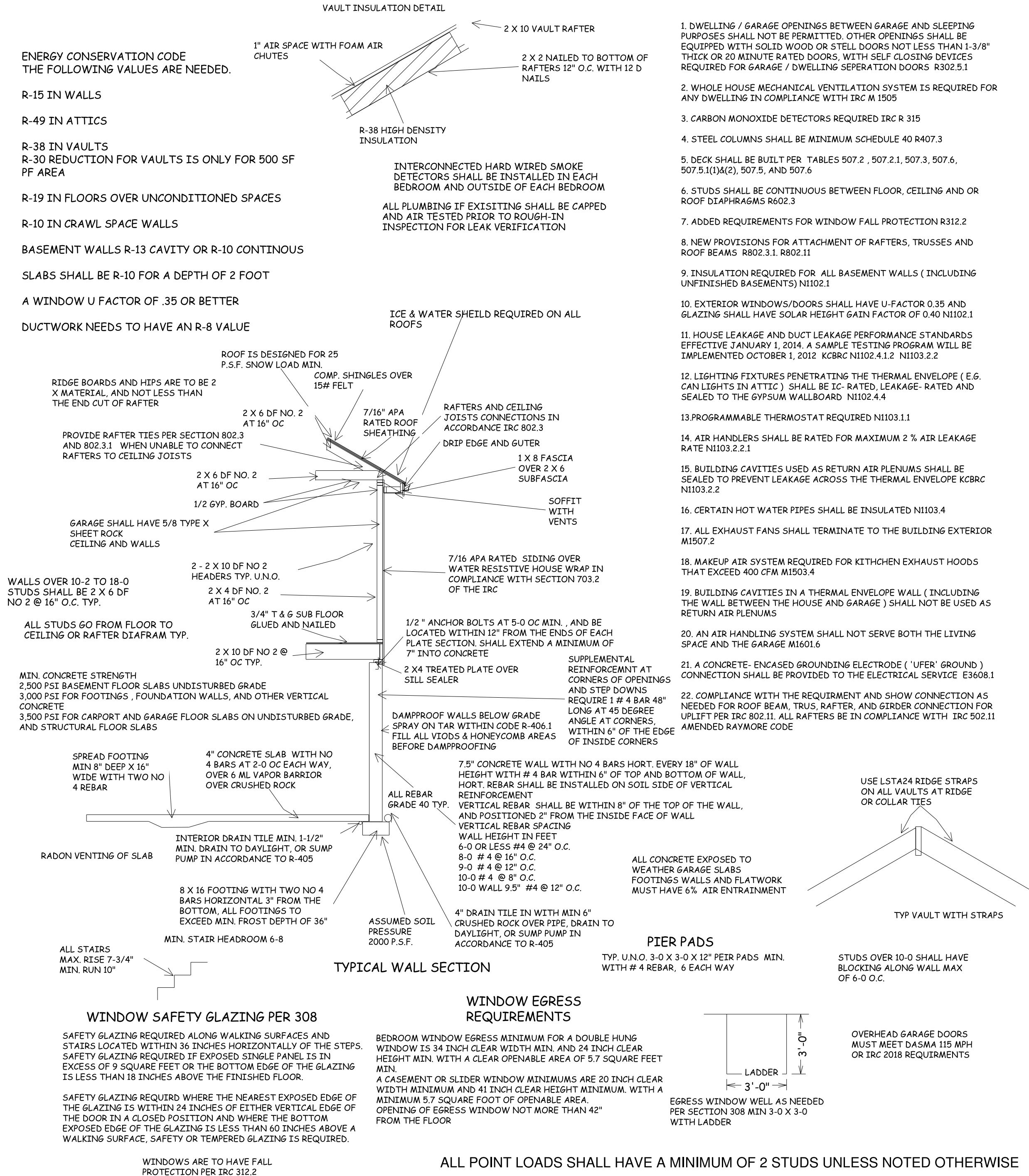
R-10 IN CRAWL SPACE WALLS

BASEMENT WALLS R-13 CAVITY OR R-10 CONTINOUS

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



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

TRUMARK HOMES  
LOT 148 MONTICELLO  
4732 FREEHOLD DR  
LEE SUMMIT MO

SCALE  
1/4" = 1-0

DATE  
5-2-22

PLAN NO.  
3783

SHEET NO.

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



TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED					
EXPOSURE CATEGORY 2 • 35-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 <sup>a</sup>			
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing (feet)	Method LIP <sup>b</sup>	Method GB	Methods CS-WSP, CS-PF, CS-SFB, CS-SFB, CS-SFB, CS-SFB, CS-SFB, CS-SFB
≤ 115		10	3.5	3.5	2.0
		20	4.5	6.5	3.5
		30	9.5	9.5	4.5
		40	12.5	12.5	6.0
		50	15.0	15.0	7.5
		60	18.0	18.0	9.0
		10	7.0	7.0	4.0
		20	12.5	12.5	6.5
		30	18.0	18.0	9.0
		40	23.5	23.5	11.5
		50	29.0	29.0	14.0
		60	34.5	34.5	17.0
		10	NP	10.0	5.0
		20	NP	18.5	11.0
		30	NP	27.0	15.5
		40	NP	35.0	20.0
		50	NP	43.0	24.5
		60	NP	51.0	29.0

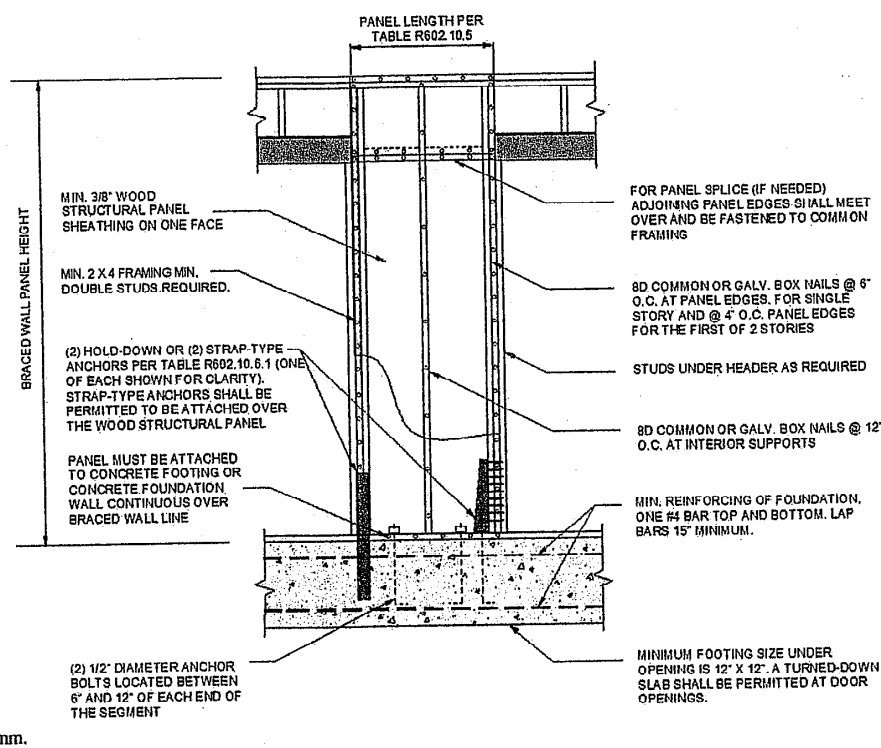


FIGURE R602.10.6.1  
METHOD ABW—ALTERNATE BRACED WALL PANEL

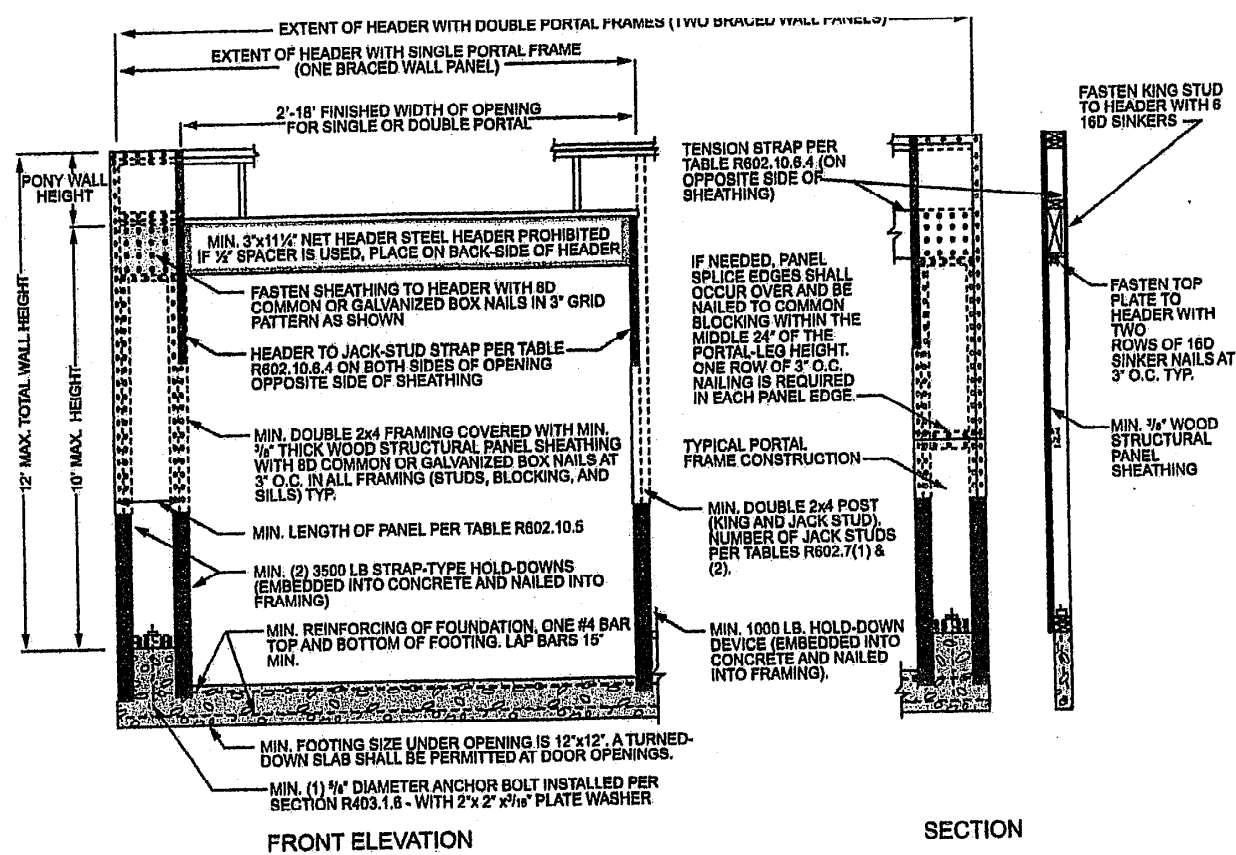








FIGURE R602.10.6.2  
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

BRACING METHODS				
METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA <sup>a</sup>	
			Fasteners	Spacing
Incremental Bracing Methods	LIP Let-in-bracing		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		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)		Exterior sheathing per Table R602.3(3)  Interior sheathing per Table R602.3(1) or R602.3(2)	6" edges 12" field
	WV-WSP <sup>b</sup> Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)		8d common (2 1/2" x 0.313) nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts
	SFB Structural fiberboard sheathing		1 1/2" long x 0.12" dia. (for 1/2" thick sheathing) 1 1/4" long x 0.12" dia. (for 3/4" thick sheathing) galvanized roofing nails	3" edges 6" field
	GB Gypsum board		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
	PBS Particleboard sheathing (See Section R605)		For 1/2", 6d common (2" long x 0.113" dia.) nails For 1 1/2", 8d common (2 1/2" long x 0.131" dia.) nails	3" edges 6" field
	FCP Furthest cement plaster		1 1/2" long, 11 gage, 1/4" dia. head nails or 1/4" long, 16 gage staples	6" o.c. on all framing members
	HFS Hardboard panel siding		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		See Section R602.10.6.1	See Section R602.10.6.1

TABLE R602.10.5 MINIMUM LENGTH OF BRACED WALL PANELS					
METHOD (See Table R602.10.4)	MINIMUM LENGTH <sup>a</sup> (inches)				
	Wall Height				
DWB, WSP, SFB, PBS, PCP, HFS, BV-WSP	8 feet	9 feet	10 feet	11 feet	12 feet
	48	48	48	53	58
GB	48	48	48	53	58
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38
	SDC D <sub>1</sub> , D <sub>2</sub> and D <sub>3</sub> , ultimate design wind speed < 140 mph	32	32	34	NP
CS-G	Adjacent clear opening height (inches)	24	27	30	33
CS-WSP, CS-SFB	≤ 64	24	27	30	33
	68	26	27	30	33
	72	27	27	30	33
	76	30	29	30	33
	80	32	30	30	33
	84	35	32	32	33
	88	38	35	33	36
	92	43	37	35	36
	96	48	41	38	36
	100	—	44	40	38
	104	—	49	43	40
	108	—	54	46	43
	112	—	—	50	45
	116	—	—	55	48
	120	—	—	60	52
	124	—	—	—	56
	128	—	—	61	54
	132	—	—	66	58
	136	—	—	—	62
	140	—	—	—	66
	144	—	—	—	72
METHOD (See Table R602.10.4)	Partial header height				
	8 feet	9 feet	10 feet	11 feet	12 feet
PFH	Supporting roof only	16	16	16	Note c
PFH	Supporting one story and roof	24	24	24	Note c
PFG		24	27	30	Note d
CS-PF	SDC A, B and C	16	18	20	Note e
	SDC D <sub>1</sub> , D <sub>2</sub> and D <sub>3</sub>	16	18	20	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 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 <sup>a</sup>	
				Fasteners	Spacing
Incremental Bracing Methods	PFH Portal frame with hold-downs	7/8" "		See Section R602.10.6.2	See Section R602.10.6.2
	PFG 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	7/8" "		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 <sup>b</sup> Continuously sheathed wood structural panel adjacent to garage openings	7/8" "		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 <sup>c</sup> Continuously sheathed structural fiberboard	1/2" or 3/16" " for maximum 16" stud spacing		1 1/2" long x 0.12" dia. (or 1/2" thick sheathing) 1 1/2" long x 0.12" dia. (or 3/16" 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/m<sup>2</sup>, 1 mile per hour = 0.447 m/s.  
a. Additive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D<sub>1</sub>, D<sub>2</sub>, and D<sub>3</sub>.  
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 D<sub>1</sub>, D<sub>2</sub>, and D<sub>3</sub>, 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 D<sub>1</sub>, D<sub>2</sub>, and D<sub>3</sub>.  
e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D<sub>1</sub> through D<sub>3</sub> only.

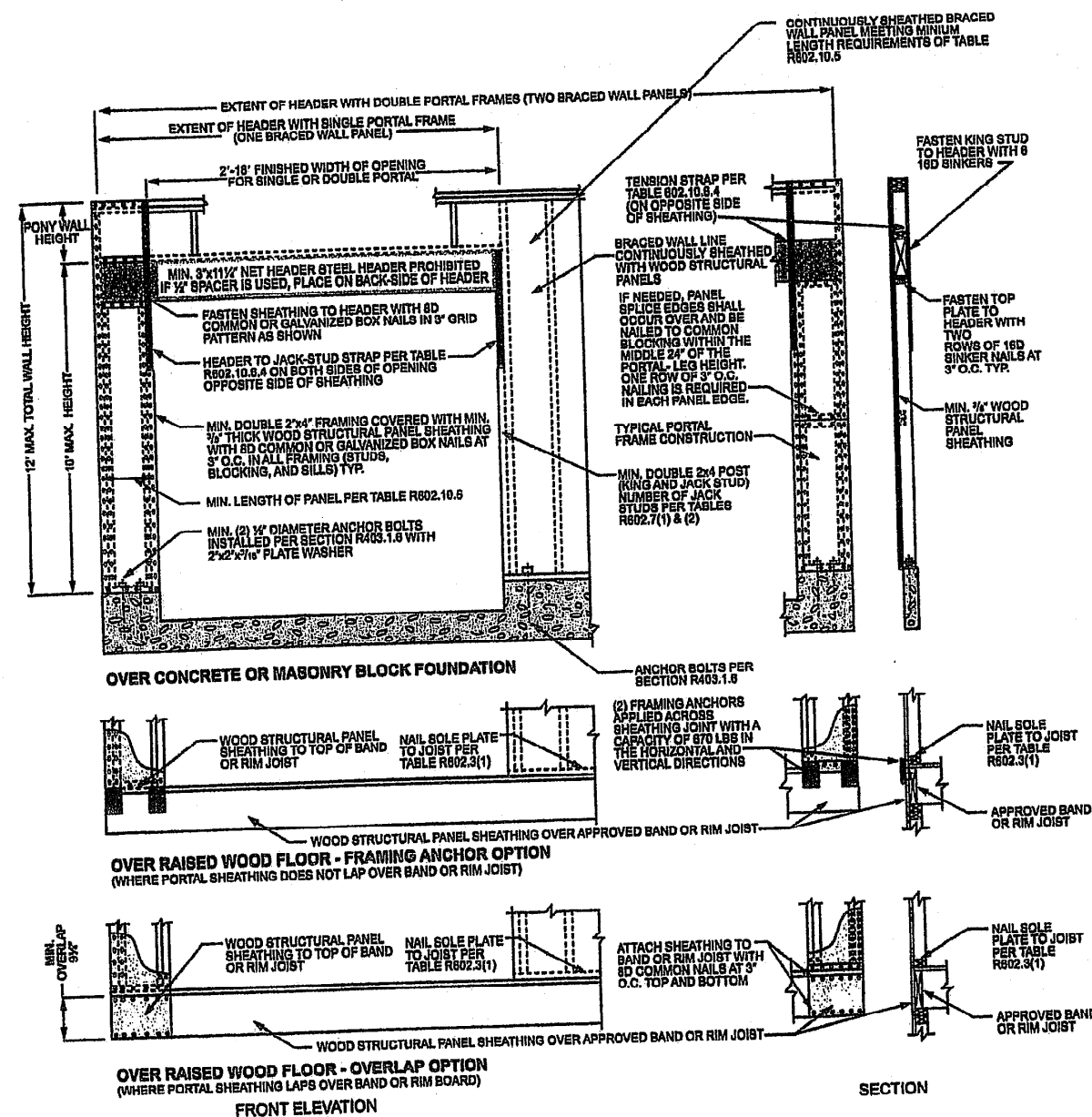


FIGURE R602.10.6.4  
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

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

TRUMARK HOMES  
LOT 148 MONTICELLO  
4732 FREEHOLD DR  
LEE SUMMIT MO

SCALE  
1/4" = 1'-0"

DATE  
5-2-22

PLAN NO.

3783

SHEET NO.

6 OF 6

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

