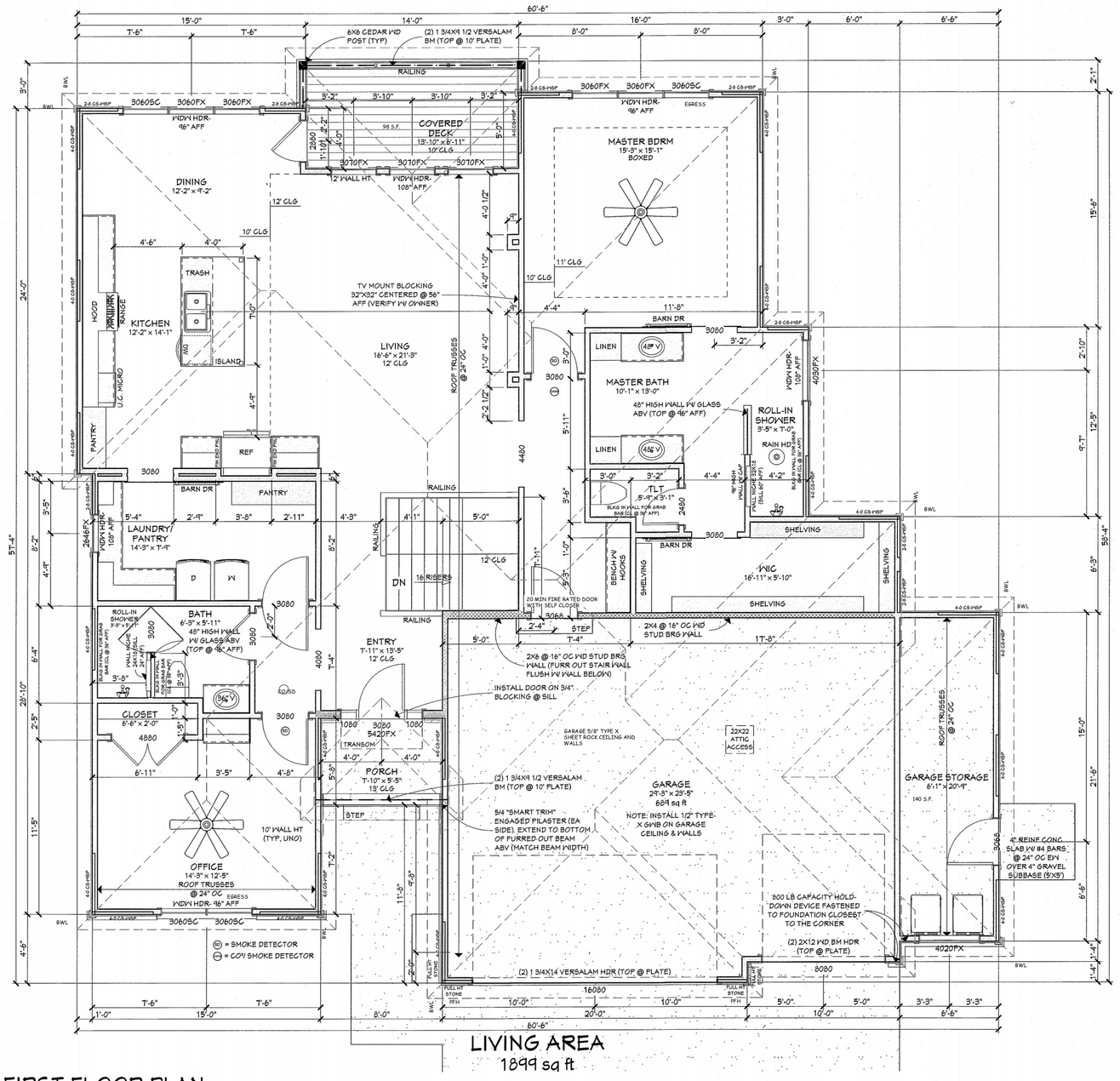
BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.



FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES:
1. CEILINGS SHALL BE 10'-1 1/8" UNO.
2. ROOF TRUSSES (CANTILEVER TYPE) SHALL BE @ 24" OC & DESIGNED BY TRUSS MFR (SEE ROOF PLAN FOR SLOPE)
3. ROOF OVERHANGS SHALL BE 12" @ GABLES & 12" @ EAVES, UNO.

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
11/26/2024

Digitally signed by Brandon Kalwei
DN: CN=Brandon Kalwei, OU=Development, OU=LS Users, DC=COLS, DC=LOC
Date: 2024.11.26 11:24:34-06'00'

Review and Approval
Structural Only

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

STATE OF MISSOURI
DAVID E. MEZGER
PE-2018009531
PROFESSIONAL ENGINEER

Digitally signed by David Eugene Mezger
DN: C=US, E=mezgerde@gmail.com, O=David Mezger Engineering LLC, CN=David Eugene Mezger
Date: 2024.11.23 16:52:56-06'00'

McGray Lumber
Serving the Professional Builder

U:\My Documents\Bosley Genel\242040 BOSLEY SUBMITTAL.layout 11/12/2024 16:31:32

PLAN SERVICES
715 SE 4th St.
Topeka, KS 66607
P: 785.357.0321
F: 785.233.4755

A New Home For:
Trumark Homes
Lot 169 Woodside Ridge Reserve- Bosley Residence
2117 NW O'Brien Rd
LEE SUMMIT MO

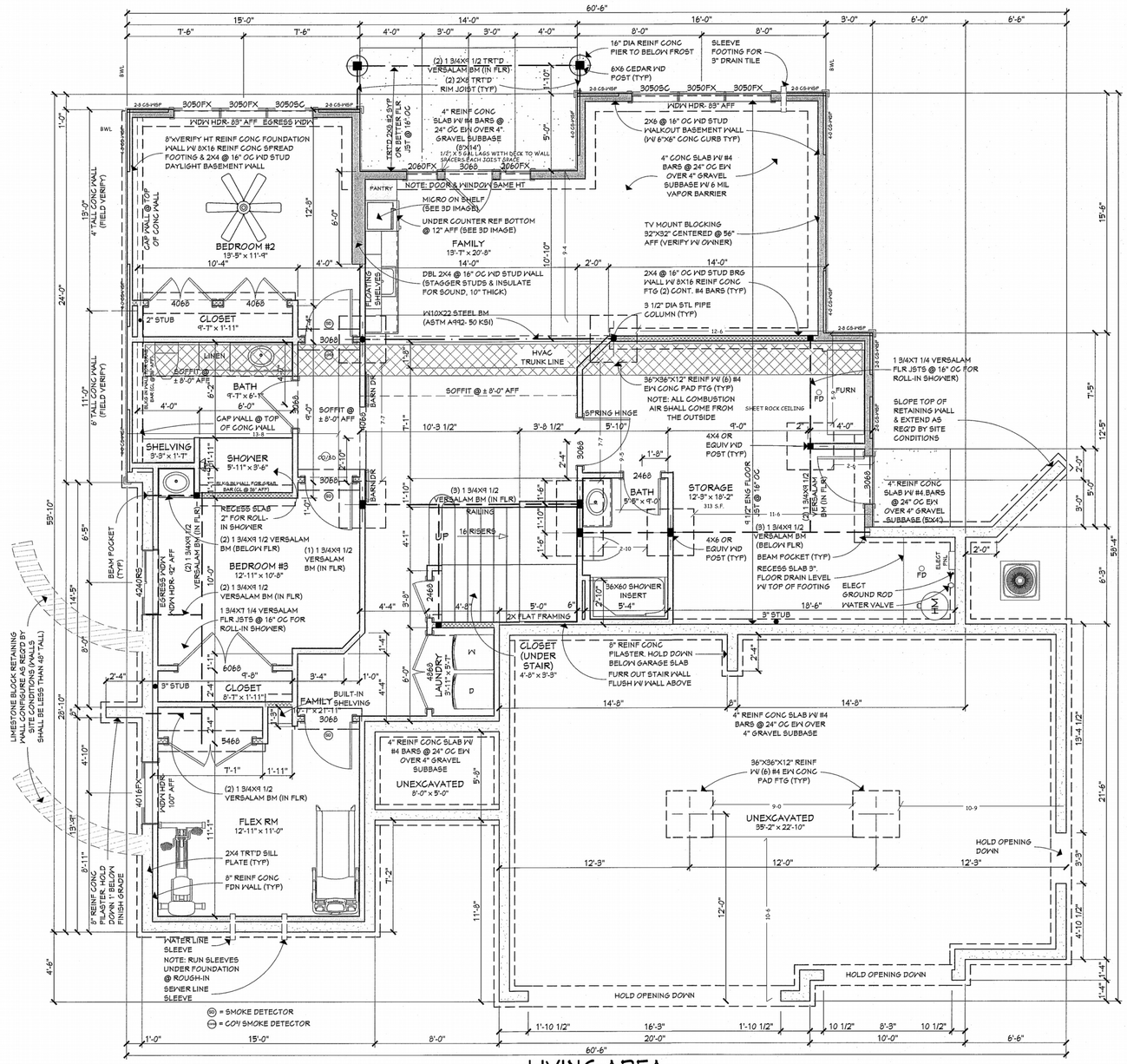
DRAWN
J. L. ROE
DATE
11/4/24
JOB NO.
242040
REVISIONS
11/5/24
11/12/24

SCALE 1/4" = 1-0	PLAN NO. 4341
DATE 11-20-24	SHEET NO. 1 OF 5

SHEET 1 OF 4

NOTE: J. L. ROE IS NOT A REGISTERED ARCHITECT

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



FOUNDATION PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES:
1. FOUNDATION WALLS SHALL BE 9'-0" UNO.

Review and Approval
Structural Only

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

STATE OF MISSOURI
DAVID E. MEZGER
PE-2018009531
PROFESSIONAL ENGINEER

David Eugene Mezger
Digitally signed by David Eugene Mezger
DN: C=US, E=mezgerde@gmail.com, O=David Mezger Engineering LLC, CN=David Eugene Mezger
Date: 2024.11.21 16:53:10-06'00'

SCALE 1/4" = 1-0	PLAN NO. 4341
DATE 11-20-24	SHEET NO. 2 OF 5

McCray Lumber
Serving the Professional Builder

U:\My Documents\Bosley Gene\242040 BOSLEY SUBMITTAL.lagout 11/12/2024 16:31:37

PLAN SERVICES
715 SE 4th St.
Topeka, KS 66607
P: 785.357.0321
F: 785.233.4755

A New Home For:
Trumark Homes
Lot 169 Woodside Ridge Reserve- Bosley Residence
2117 NW O'Brien Rd
LEE SUMMIT MO

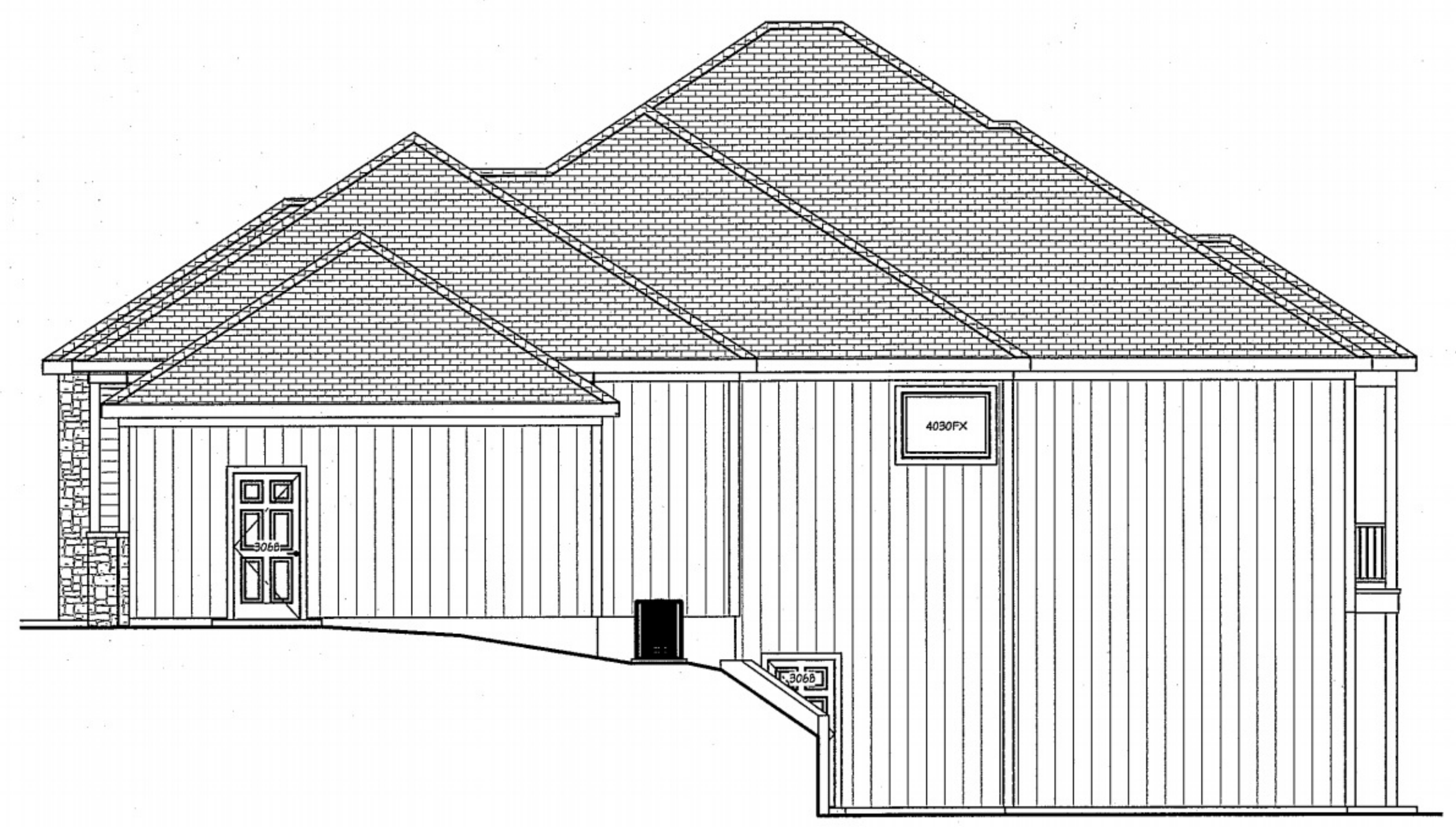
DRAWN
J. L. ROE
DATE
11/4/24
JOB NO.
242040
REVISIONS
11/5/24
11/12/24

SHEET 2 OF 4

JOHN ROE IS NOT A REGISTERED ARCHITECT

RELEASED FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
11/26/2024

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

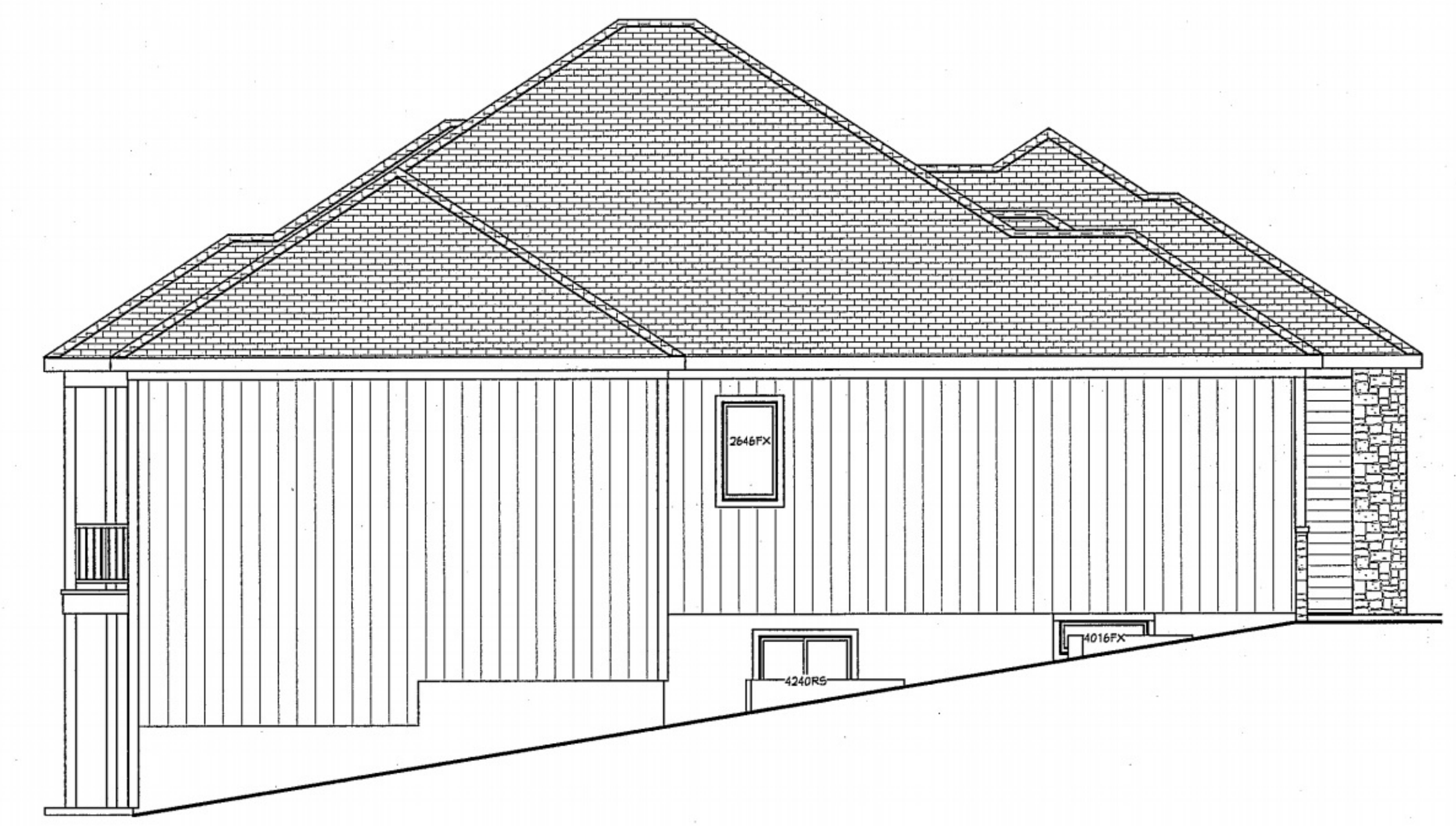


RIGHT SIDE ELEVATION
SCALE: 1/8"=1'-0"

NOTE:
SIDING ON BACK & SIDES SHALL BE LP SMART SIDING-
SHEET SIDING W/ 8" GROOVES

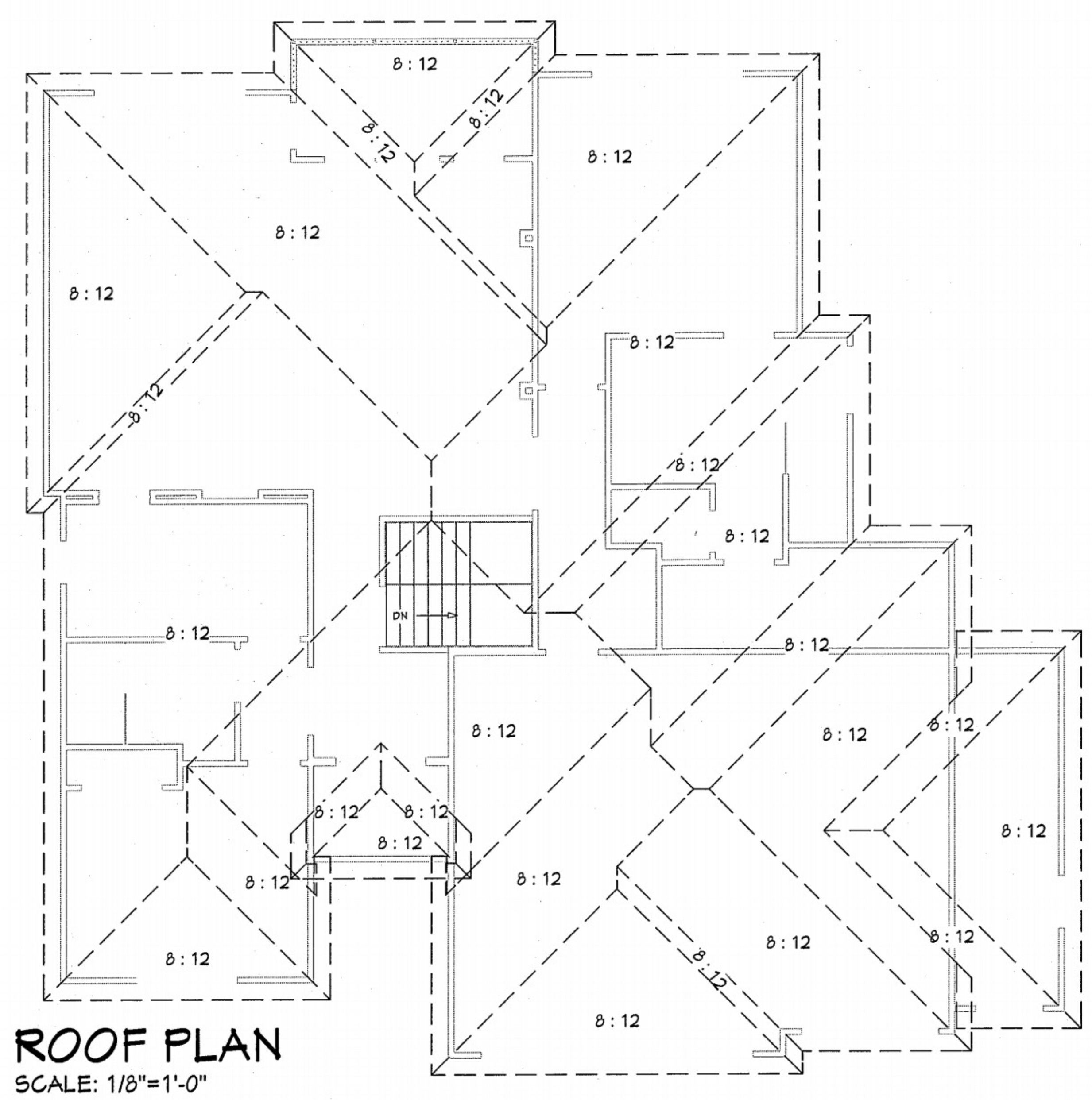
REAR ELEVATION
SCALE: 1/8"=1'-0"

NOTE:
SIDING ON BACK & SIDES SHALL BE LP SMART SIDING-
SHEET SIDING W/ 8" GROOVES



LEFT SIDE ELEVATION
SCALE: 1/8"=1'-0"

NOTE:
SIDING ON BACK & SIDES SHALL BE LP SMART SIDING-
SHEET SIDING W/ 8" GROOVES



ROOF PLAN
SCALE: 1/8"=1'-0"

GARAGE DOORS SHALL BE "LONG BEAD BOARD STYLE"

FRONT ELEVATION
SCALE: 1/4"=1'-0"

NOTE:
SIDING SHALL BE LP SMART SIDING-
NICKEL GAP LAP SIDING- ON THE FRONT & RETURNS
THIN STONE VENEER- ON THE FRONT & RETURNS AS SHOWN ON THE PLAN

Review and Approval
Structural Only

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

STATE OF MISSOURI
DAVID E. MEZGER
PE-2018009531
PROFESSIONAL ENGINEER

David Eugene Mezger
Digitally signed by David Eugene Mezger
DN: C=US, E=mezgerde@gmail.com, O=David Mezger Engineering LLC, CN=David Eugene Mezger
Date: 2024.11.21 16:53:26-06'00'

McCray Lumber
Serving the Professional Builder

U:\My Documents\Bosley Gene\242040 BOSLEY SUBMITTAL.layout 11/12/2024 16:31:38

PLAN SERVICES
715 SE 4th St.
Topeka, KS 66607
P: 785.357.0321
F: 785.233.4755

A New Home For:
Trumark Homes
Lot 169 Woodside Ridge Reserve- Bosley Residence
2117 NW O'Brien Rd
LEE SUMMIT MO

DRAWN
J. L. ROE
DATE
11/4/24
JOB NO.
242040
REVISIONS
11/5/24
11/12/24

SCALE 1/4" = 1-0	PLAN NO. 4341
DATE 11-20-24	SHEET NO. 3 OF 5

SHEET 3 OF 4

J. L. ROE IS NOT A REGISTERED ARCHITECT

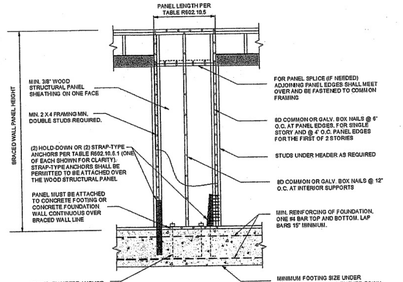
RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
11/26/2024

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

TABLE R602.10.1(1)
BRACING REQUIREMENTS BASED ON WIND SPEED

- EXPOSURE CATEGORY B
- 30-FOOT MEAN ROOF HEIGHT
- 10-FOOT WALL HEIGHT
- 2 BRACED WALL LINES

Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing[a] (feet)	MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE[b]			
			Method LIB[c]	Method GB	Methods DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP, ABW, PFH, PFG, 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



25.4 mm.

FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL

TABLE R602.10.4
BRACING METHODS

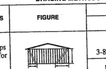
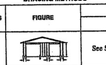
METHODS		MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA[a]	
					Fasteners	Spacing
Intermittent Bracing Methods	LIB	Let-in-bracing	1 × 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing		Wood: 2-8d common nails or 3-8d (2½" long x 0.113" dia.) nails	Wood: per stud and top and bottom plates
					Metal strap: per manufacturer	Metal: per manufacturer
	DWB	Diagonal wood boards	¾" (1" nominal) for maximum 24" stud spacing		2-8d (2½" long x 0.113" dia.) nails or 2 - 1¾" long staples	Per stud
	WSP	Wood structural panel (See Section R604)	⅜"		Exterior sheathing per Table R602.3(3)	6" edges 12" field
					Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener
	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 (2½" x 0.131) nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts
	SFB	Structural fiberboard sheathing	½" or ²⁵/₃₂" for maximum 16" stud spacing		1½" long x 0.12" dia. (for ½" thick sheathing) 1¾" long x 0.12" dia. (for ²⁵/₃₂" thick sheathing) galvanized roofing nails	3" edges 6" field
	GB	Gypsum board	½"		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)	½" or ⅝" for maximum 16" stud spacing		Nails or screws per Table R702.3.5 for interior locations	3" edges 6" field
	PCP	Portland cement plaster	See Section R703.7 for maximum 16" stud spacing		For ⅞" - 6d common (2" long x 0.113" dia.) nails For ⅞" - 7d common (2½" long x 0.131" dia.) nails	6" o.c. on all framing members
	HPS	Hardboard panel siding	⅜" for maximum 16" stud spacing		1½" long, 11 gage, ⅞" dia. head nails or ⅞" long, 16 gage staples	4" edges 8" field
	ABW	Alternate braced wall	⅜"		0.092" dia., 0.225" dia. head nails with length to accommodate 1½" penetration into studs	See Section R602.10.6.1

TABLE R602.10.4—continued
BRACING METHODS

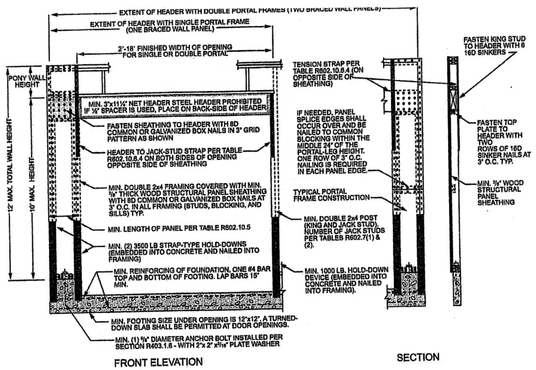
METHODS		MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA[a]	
					Fasteners	Spacing
Intermittent Bracing Methods	PFH	Portal frame with hold-downs	⅜"		See Section R602.10.6.2	See Section R602.10.6.2
	PFG	Portal frame at garage	⅞"		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	CS-WSP	Continuously sheathed wood structural panel	⅜"		Exterior sheathing per Table R602.3(3)	6" edges 12" field
					Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener
	CS-G[d]	Continuously sheathed wood structural panel adjacent to garage openings	⅜"		See Method CS-WSP	See Method CS-WSP
	CS-PF	Continuously sheathed portal frame	⅞"		See Section R602.10.6.4	See Section R602.10.6.4
	CS-SFB[e]	Continuously sheathed structural fiberboard	½" or ²⁵/₃₂" for maximum 16" stud spacing		1½" long x 0.12" dia. (for ½" thick sheathing) 1¾" long x 0.13" dia. (for ²⁵/₃₂" 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 CB, shall not be permitted in Seismic Design Categories C, D_0, D_1 and D_2.
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 D_0, D_1 and D_2 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_0, D_1 and D_2.
e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D_0 through D_2 only.

TABLE R602.10.5
MINIMUM LENGTH OF BRACED WALL PANELS

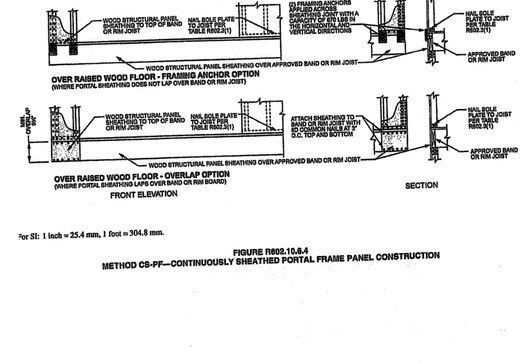
METHOD (See Table R602.10.4)		MINIMUM LENGTH[a] (inches)					CONTRIBUTING LENGTH (inches)
		Wall Height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP		48	48	48	53	58	Actual[b]
GB		48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual
LIB		55	62	69	NP	NP	Actual[c]
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48
	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]
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	—	—	—	—	65	
	144	—	—	—	—	72	
METHOD (See Table R602.10.4)		Portal header height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
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[f]	SDC A, B and C	16	18	20	Note e	Note e	1.5 × Actual[b]
	SDC D_0, D_1 and D_2	16	18	20	Note e	Note e	Actual[b]

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.



4 mm, 1 foot = 304.8 mm.

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



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

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

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

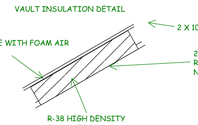
BASEMENT WALLS R-13 CAVITY OR R-10 CONTINOUS

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

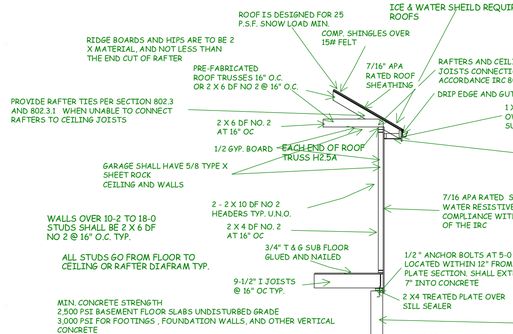
VAULT INSULATION DETAIL



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

ROOF TRUSS INFORMATION
1. MINIMUN DESIGN LOADS FOR TRUSSES
TOP CORD LIVE LOAD 20 PSF DEAD LOAD 10 PSF
BOTTOM CORD LIVE LOAD 10 PSF DEAD LOAD 10 PSF
WIND LOADS IN ACCORDANCE WITH THE 2018 BUILDING CODE



TYPICAL WALL SECTION

WINDOW SAFETY GLAZING PER 308

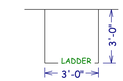
SAFETY GLAZING REQUIRED ALONG WALKING SURFACES AND STAIRS LOCATED WITHIN 36 INCHES HORIZONTALLY OF THE STEPS. SAFETY GLAZING REQUIRED IF EXPOSED SINGLE PANEL IS IN EXCESS OF 9 SQUARE FEET OR THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE THE FINISHED FLOOR.

SAFETY GLAZING REQUIRD 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 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

OVERHEAD GARAGE DOORS MUST MEET DASMA 115 MPH OR IRC 2018 REQUIRMENTS

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 STELL DOORS NOT LESS THAN 1-3/8" THICK OR 20 MINUTE RATED DOORS, WITH SELF CLOSING DEVICES REQUIRED FOR GARAGE / DWELLING SEPERATION DOORS R302.5.1

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, 507.6, 507.5.1(1)&(2), 507.5, AND 507.6

6. STUDS SHALL BE CONTINUOUS BETWEEN FLOOR, CEILING AND OR ROOF DIAPHRAGMS R602.3

7. ADDED REQUIREMENTS FOR WINDOW FALL PROTECTION R312.2

8. NEW PROVISIONS FOR ATTACHMENT OF RAFTERS, TRUSSES AND ROOF BEAMS R802.3.1, R802.11

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 HEIGHT 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 KCBRC 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 PLENUMS SHALL BE SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE KCBRC 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 KITHCHEN 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 PLENUMS

20. AN AIR HANDLING SYSTEM SHALL NOT SERVE BOTH THE LIVING SPACE AND THE GARAGE M1601.6

21. A CONCRETE- ENCASED GROUNDING ELECTRODE ('UFER' GROUND) CONNECTION SHALL BE PROVIDED TO THE ELECTRICAL SERVICE E3608.1

22. COMPLIANCE WITH THE REQUIRMENT AND SHOW CONNECTION AS NEEDED FOR ROOF BEAM, TRUS, RAFTER, AND GIRDER CONNECTION FOR UPLIFT PER IRC 802.11. ALL RAFTERS BE IN COMPLIANCE WITH IRC 502.11 AMENDED RAYMORE CODE

Review and Approval
Structural Only

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

STATE OF MISSOURI
DAVID E. MEZGER
PE-2018009531
PROFESSIONAL ENGINEER

Digitally signed by David Eugene Mezger
DN: C=US, E=mezgerde@gmail.com, O=David Mezger Engineering LLC, CN=David Eugene Mezger
Date: 2024.11.21 16:53:40-06'00'

SCALE 1/4" = 1-0	PLAN NO. 4341
DATE 11-20-24	SHEET NO. 4 OF 5

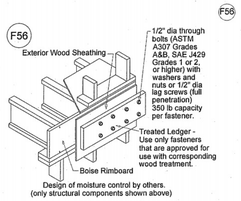
RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
11/26/2024

Trumark Homes LLC
Bosley Residence

Recommended 1st Floor Placement Plan

Joist Spacing 16" O.C

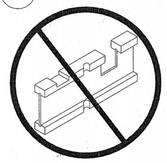
F56



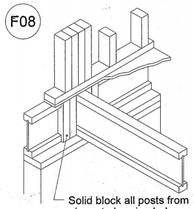
Typical Deck Attachment

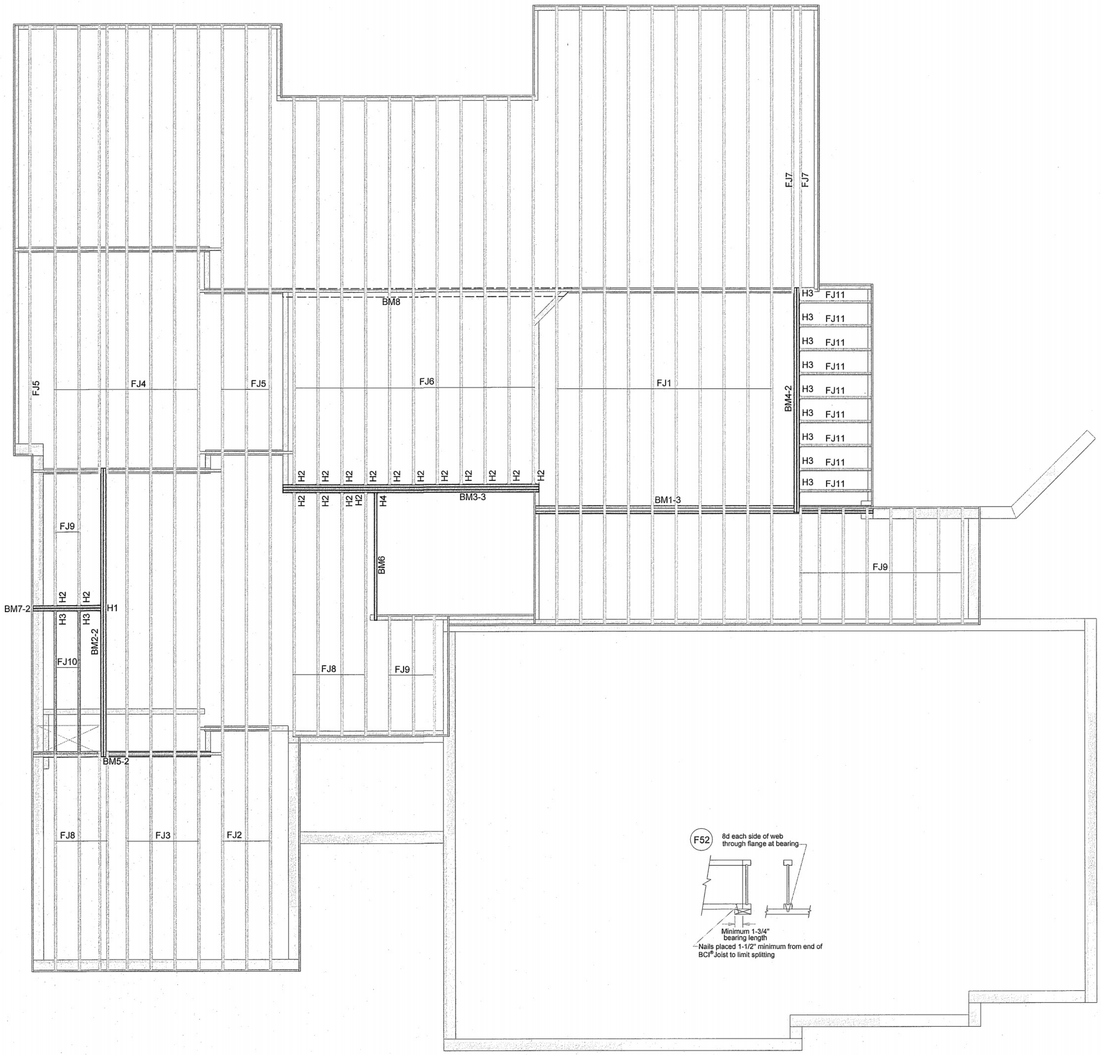
F58

DN01 **DO NOT** cut, notch or drill flanges



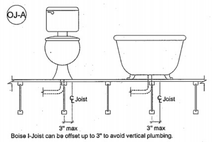
F08





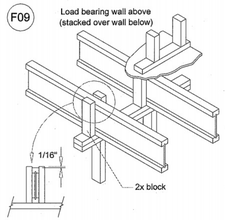
F52

OJ-A

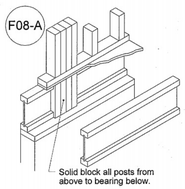


See Boise Specifier Guide For Filler Block Detail And Table
In Regard To Double Joist Installation

F09



F08-A



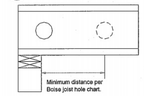
BUILD IN ACCORDANCE WITH
2018 INTERNATIONAL
RESIDENTIAL CODE AND
LOCAL CODES.

Products				
PlotID	Net Qty	Product	Length	Plies
FJ1	10	9-1/2" BCI® 4500s-1.8	36' 0"	1
FJ2	3	9-1/2" BCI® 4500s-1.8	30' 0"	1
FJ3	4	9-1/2" BCI® 4500s-1.8	28' 0"	1
FJ4	8	9-1/2" BCI® 4500s-1.8	26' 0"	1
FJ5	4	9-1/2" BCI® 4500s-1.8	24' 0"	1
FJ6	11	9-1/2" BCI® 4500s-1.8	22' 0"	1
FJ7	2	9-1/2" BCI® 4500s-1.8	16' 0"	1
FJ8	8	9-1/2" BCI® 4500s-1.8	14' 0"	1
FJ9	13	9-1/2" BCI® 4500s-1.8	8' 0"	1
FJ10	2	1-3/4" x 7-1/4" VERSA-LAM® LVL 2.1E 3100 SP	8' 0"	1
FJ11	9	1-3/4" x 7-1/4" VERSA-LAM® LVL 2.1E 3100 SP	6' 0"	1
BM1-3	3	1-3/4" x 9-1/2" VERSA-LAM® LVL 2.1E 3100 SP	20' 0"	3
BM2-2	2	1-3/4" x 9-1/2" VERSA-LAM® LVL 2.1E 3100 SP	18' 0"	2
BM3-3	3	1-3/4" x 9-1/2" VERSA-LAM® LVL 2.1E 3100 SP	16' 0"	3
BM4-2	2	1-3/4" x 9-1/2" VERSA-LAM® LVL 2.1E 3100 SP	14' 0"	2
BM5-2	2	1-3/4" x 9-1/2" VERSA-LAM® LVL 2.1E 3100 SP	10' 0"	2
BM6	1	1-3/4" x 9-1/2" VERSA-LAM® LVL 2.1E 3100 SP	8' 0"	1
BM7-2	2	1-3/4" x 9-1/2" VERSA-LAM® LVL 2.1E 3100 SP	4' 0"	2
Ca1	21	1-1/8" x 9-1/2" BC RIM BOARD OSB	12' 0"	1
Bk1	40	9-1/2" BCI® 4500s-1.8	2' 0"	1
Bk2	2	1-3/4" x 7-1/4" VERSA-LAM® LVL 2.1E 3100 SP	2' 0"	1

Accessories				
PlotID	Net Qty	Product	Length	Plies
	60	3/4" 4x8 OSB		1

Connector Summary				
PlotID	Qty	Manuf	Product	Skew
H1	1	Simpson	HHUS410	-
H2	17	Simpson	IUS1.81/9.5	-
H3	11	Simpson	HU7	-
H4	1	Simpson	HU9	-

DN04 **DO NOT** cut holes near bearing support



Review and Approval
Structural Only

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

STATE OF MISSOURI
DAVID E. MEZGER
PE-2018009531
PROFESSIONAL ENGINEER

Digitally signed by David Eugene Mezger
DN: C=US, E=mezgerde@gmail.com, O=David Mezger Engineering LLC, CN=David Eugene Mezger
Date: 2024.11.21 16:53:55-06'00'
David Eugene Mezger

DESIGN LOAD
Live Load 40 PSF
Dead Load 15 PSF
Total Load 55 PSF

SCALE
1/4" = 1-0

PLAN NO.
4341

DATE
11-20-24

SHEET NO.
5 OF 5

USER NOTES

This design is provided as a courtesy to the builder and does NOT guarantee a complete structural review of the project. Neither Lateral nor Seismic Analysis has been considered. All bearing locations and product usages shall be verified by the builder and engineer of record. This design shall be reviewed, verified, and approved by the builder, engineer of record, and local building department prior to ordering materials.

NOTE:
ALL MEASUREMENTS
TO BE VERIFIED
IN THE FIELD.

Boise Cascade

Trumark Homes LLC
Bosley Residence
McGRAY LUMBER
Edwardsville, Keith Tally, 9134221300

Scale: 1/4" = 1'-0"
DWG: BC FRAMER
File: 24000166
By: Keith Tally
Date: 11/14/2024
Sheet 1 of 1

McGray Lumber
Serving the Professional Builder

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
11/26/2024