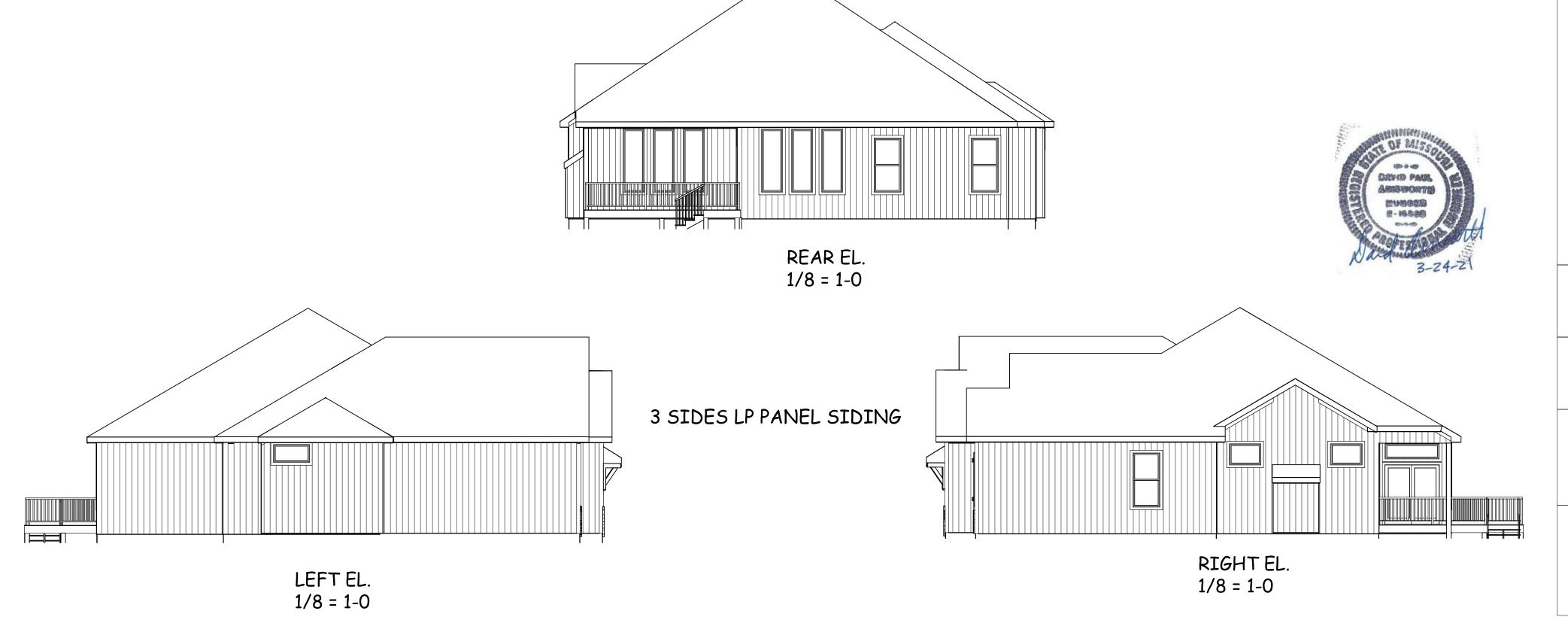


FRONT EL. A STUCCO AND STONE



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

TRUMARK HOMES MARIE III LOT 4 COLBY CREEK 516 SE CARTER RD LEE SUMMIT MO

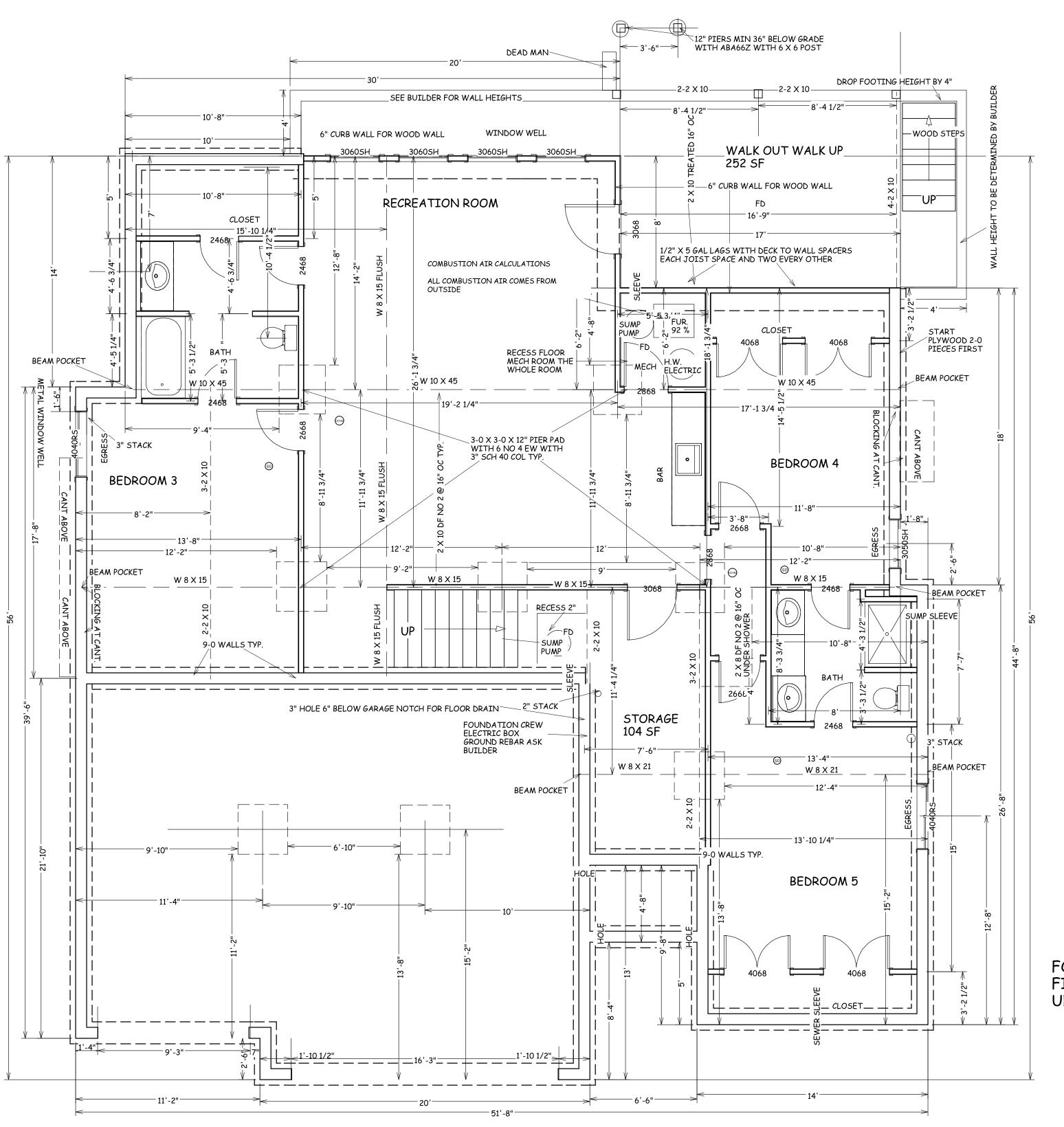
SCALE 1/4" = 1-0

DATE 3-18-21

PLAN NO. 3398-4

SHEET NO.

1 OF 6



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

TRUMARK HOMES MARIE III LOT 4 COLBY CREEK 516 SE CARTER RD LEE SUMMIT MO

SCALE

1/4" = 1-0

DATE 3-18-21

PLAN NO. 3398-4

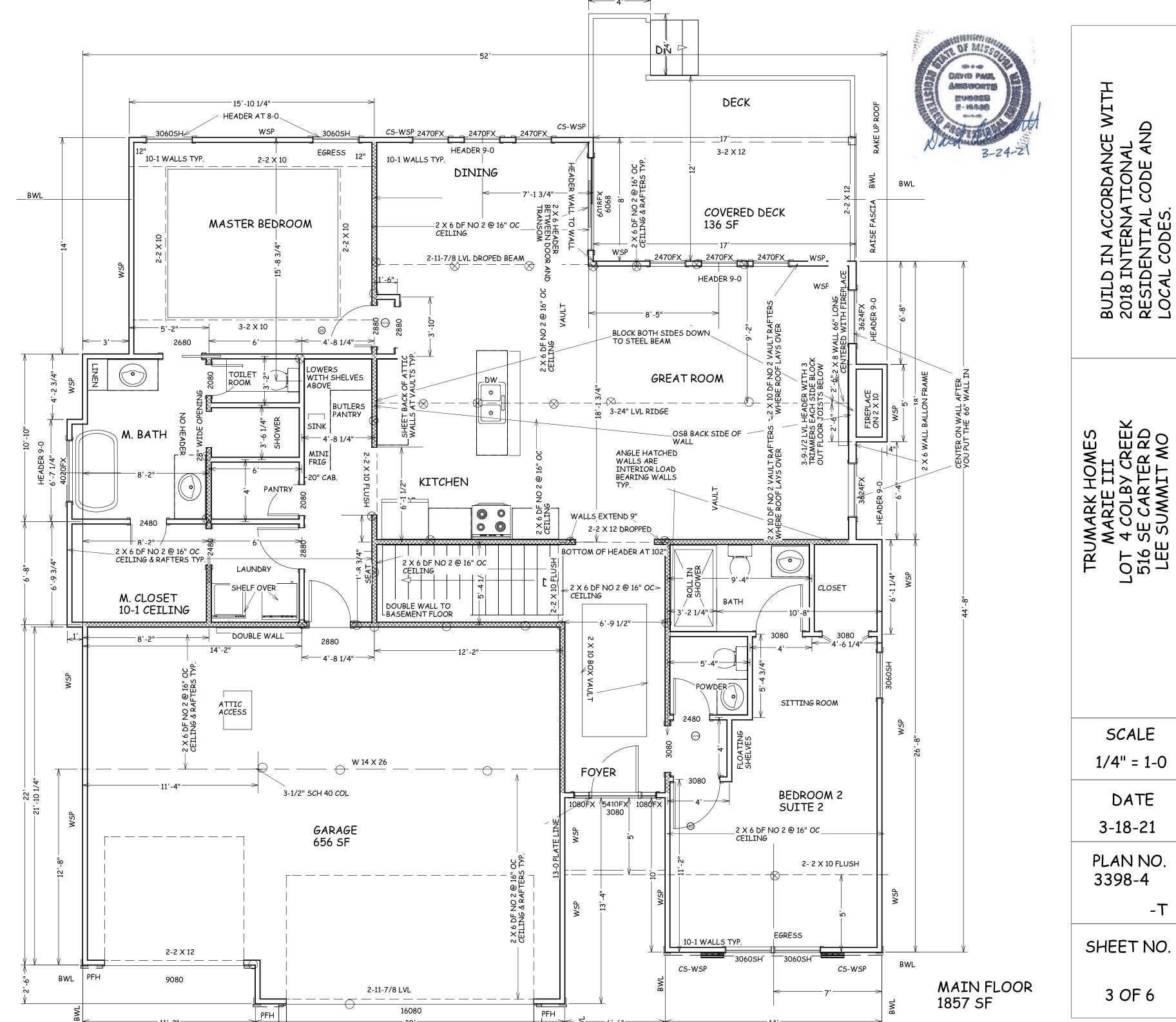
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SHEET NO.

2 OF 6

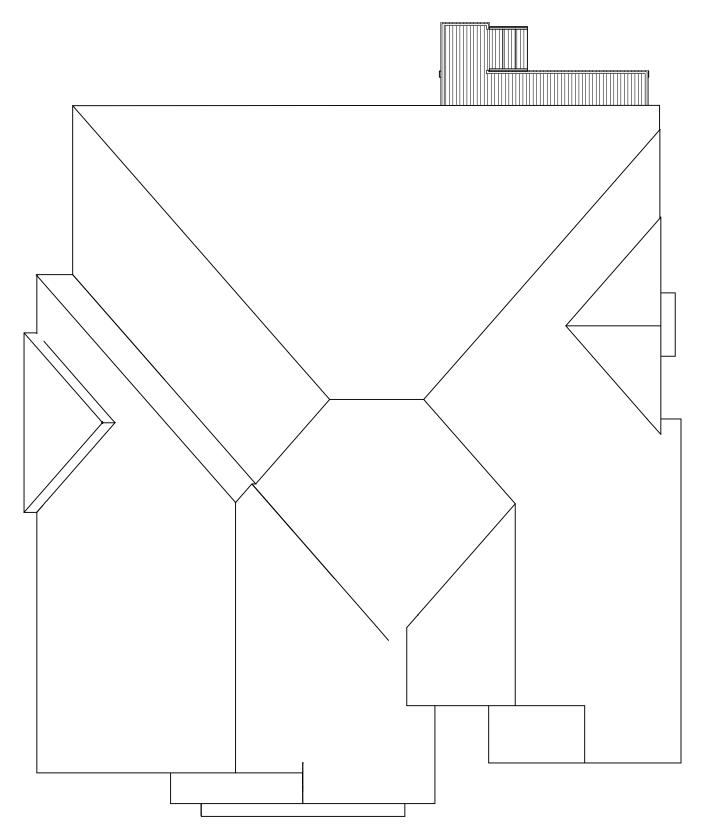
DAVID PAUL AMISWORTO EVINDED E-HASS

FOUNDATION PLAN FINISHED 1419 SF IF ALL FINISHED UNFINISHED 104 SF



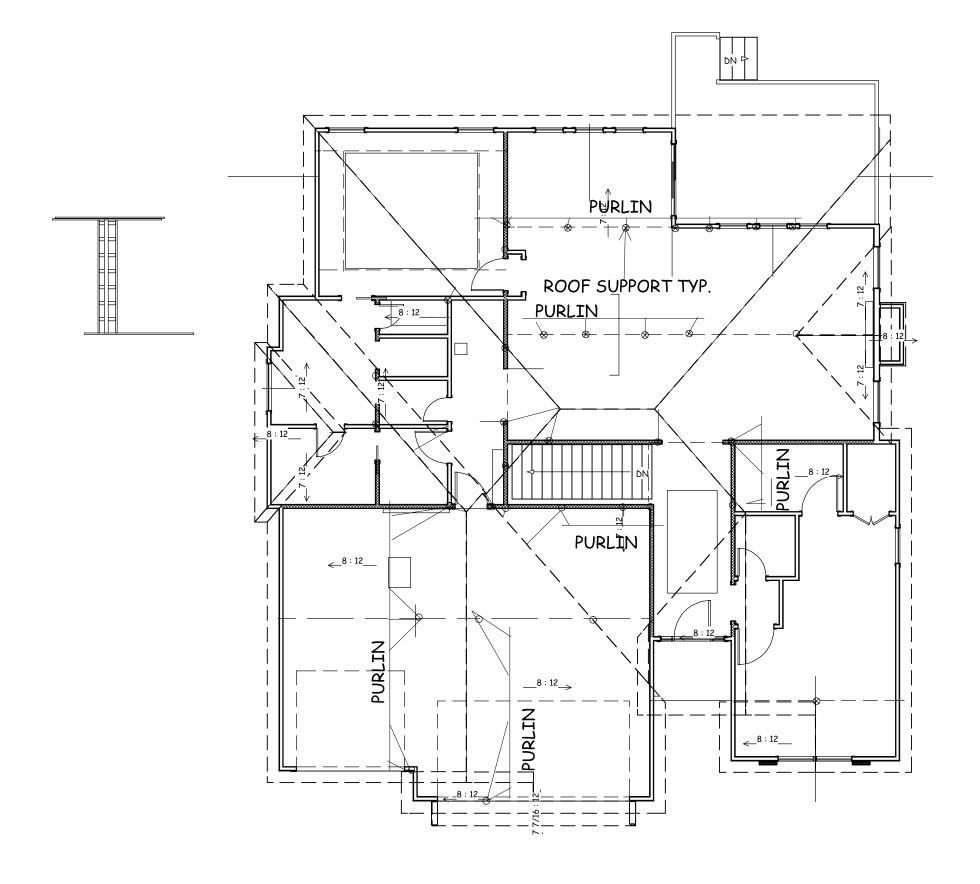
TYPICAL EXTERIOR CORNER FILE CORNER WITH STUDS

LADDER BLOCK WHERE INTERIOR WALLS INTERSECT WITH EXTERIOR WALLS



ROOF PLAN 1/8 = 1-0 FRONT TO BACK 7/12 SIDE TO SIDE 8/12

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



PURLIN PLAN 1/8" = 1-0 RAFTER SPAN 14-4 MAX. BETWEEM SUPPORTS



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

TRUMARK HOMES MARIE III LOT 4 COLBY CREEK 516 SE CARTER RD LEE SUMMIT MO

> SCALE 1/4" = 1-0

DATE 3-18-21

PLAN NO. 3398-4

SHEET NO.

4 OF 6

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 WITHIN 6" OF THE EDGE AMENDED RAYMORE CODE

> USE LSTA24 RIDGE STRAPS ON ALL VAULTS AT RIDGE OR COLLAR TIES TYP VAULT WITH STRAPS

PIER PADS

ALL CONCRETE EXPOSED TO

FOOTINGS WALLS AND FLATWORK

MUST HAVE 6% AIR ENTRAINMENT

WEATHER GARAGE SLABS

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

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

WINDOW SAFETY GLAZING PER 308

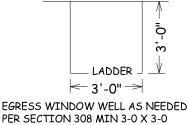
SAFETY GLAZING REQUIRED ALONG WALKING SURFACES AND STAIRS LOCATED WITHIN 36 INCHES HORIZONTALLY OF THE STEPS. SAFETY GLAZING REQUIRED IF EXPOSED SINGLE PANEL IS IN EXCESS OF 9 SQUARE FEET OR THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE THE FINISHED FLOOR.

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.

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

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



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

VAULT INSULATION DETAIL

R-38 HIGH DENSITY

INSULATION

COMP. SHINGLES OVER

7/16" APA

RATED ROOF

SHEATHING

1" AIR SPACE WITH FOAM AIR

CHUTES

ROOF IS DESIGNED FOR 25

P.S.F. SNOW LOAD MIN.

2 X 6 DF NO. 2

AT 16" OC

2 X 6 DF NO. 2

1/2 GYP. BOARD

2 - 2 X 10 DF NO 2

HEADERS TYP. U.N.O.

2 X 4 DF NO. 2 AT 16" OC

16" OC TYP.

2 X 10 DF NO 2 @

4" CONCRETE SLAB WITH NO

4 BARS AT 2-0 OC EACH WAY,

OVER 6 ML VAPOR BARRIOR

OVER CRUSHED ROCK

INTERIOR DRAIN TILE MIN. 1-1/2"

PUMP IN ACCORDANCE TO R-405

MIN. DRAIN TO DAYLIGHT, OR SUMP

8 X 16 FOOTING WITH TWO NO 4

BARS HORIZONTAL 3" FROM THE

EXCEED MIN. FROST DEPTH OF 36"

BOTTOM, ALL FOOTINGS TO

MIN. STAIR HEADROOM 6-8

3/4" T & G SUB FLOOR

GLUED AND NAILED

AT 16" OC

ENERGY CONSERVATION CODE

R-10 IN CRAWL SPACE WALLS

R-15 IN WALLS

R-49 IN ATTICS

R-38 IN VAULTS

THE FOLLOWING VALUES ARE NEEDED.

R-30 REDUCTION FOR VAULTS IS ONLY FOR 500 SF

R-19 IN FLOORS OVER UNCONDITIONED SPACES

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

RIDGE BOARDS AND HIPS ARE TO BE 2 X MATERIAL, AND NOT LESS THAN THE END CUT OF RAFTER

RAFTERS TO CEILING JOISTS

SHEET ROCK CEILING AND WALLS

ALL STUDS GO FROM FLOOR TO CEILING OR RAFTER DIAFRAM TYP.

WALLS OVER 10-2 TO 18-0 STUDS SHALL BE 2 X 6 DF

MIN. CONCRETE STRENGTH

AND STRUCTURAL FLOOR SLABS

4 REBAR

RADON VENTING OF SLAB

ALL STAIRS

MIN. RUN 10"

MAX. RISE 7-3/4"

SPREAD FOOTING

MIN 8" DEEP X 16"

WIDE WITH TWO NO

NO 2 @ 16" O.C. TYP.

GARAGE SHALL HAVE 5/8 TYPE X

2,500 PSI BASEMENT FLOOR SLABS UNDISTURBED GRADE

3,000 PSI FOR FOOTINGS , FOUNDATION WALLS, AND OTHER VERTICAL

3,500 PSI FOR CARPORT AND GARAGE FLOOR SLABS ON UNDISTURBED GRADE,

PROVIDE RAFTER TIES PER SECTION 802.3

AND 802,3,1 WHEN UNABLE TO CONNECT

BASEMENT WALLS R-13 CAVITY OR R-10 CONTINOUS

2 X 10 VAULT RAFTER

NAILS

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

ICE & WATER SHEILD REQUIRED ON ALL

RAFTERS AND CEILING

ACCORDANCE IRC 802.3

DRIP EDGE AND GUTER

JOISTS CONNECTIONS IN

7/16 APA RATED SIDING OVER

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

BEFORE DAMPPROOFING

SILL SEALER

ASSUMED SOIL

TYPICAL WALL SECTION

PRESSURE

2000 P.S.F

2 X4 TREATED PLATE OVER

DAMPPROOF WALLS BELOW GRADE

SPRAY ON TAR WITHIN CODE R-406.1

FILL ALL VIODS & HONEYCOMB AREAS

REINFORCEMENT

10-0 # 4 @ 8" O.C.

VERTICAL REBAR SPACING

6-0 OR LESS #4 @ 24" O.C.

10-0 WALL 9.5" #4 @ 12" O.C.

4" DRAIN TILE IN WITH MIN 6"

DAYLIGHT, OR SUMP PUMP IN

ACCORDANCE TO R-405

CRUSHED ROCK OVER PIPE, DRAIN TO

WALL HEIGHT IN FEET

WATER RESISTIVE HOUSE WRAP IN

COMPLIANCE WITH SECTION 703.2 OF THE IRC

1 X 8 FASCIA

OVER 2 X 6

SUBFASCIA

SOFFIT

REQUIRE 1 # 4 BAR 48" LONG AT 45 DEGREE

ANGLE AT CORNERS,

OF INSIDE CORNERS

7.5" CONCRETE WALL WITH NO 4 BARS HORT. EVERY 18" OF WALL

HORT. REBAR SHALL BE INSTALLED ON SOIL SIDE OF VERTICAL

GRADE 40 TYP. VERTICAL REBAR SHALL BE WITHIN 8" OF THE TOP OF THE WALL, AND POSITIONED 2" FROM THE INSIDE FACE OF WALL

HEIGHT WITH # 4 BAR WITHIN 6" OF TOP AND BOTTOM OF WALL,

WITH **VENTS**

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

WITH LADDER



ACCORDANCE WITH TIONAL DE NTERNA' ENTIAL 18 II SIDI CILD 018 MVM

E III .BY CREEK IRTER RD COL RI **4** S 0.

> SCALE 1/4" = 1-0

> > DATE

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WINDOWS ARE TO HAVE FALL PROTECTION PER IRC 312.2

TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED									
EXPOSURE CA SD-FOOT MEAN 10-FOOT WALL 2 BRACED WA	ROOF HEIGHT HEIGHT		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 ^o (feet)	Method LIB ^b	Method GB	Methods DWB, W8P, SFB, PBS, PCP, HPS, BV-WSP, ABW, PFH, PFC, CS-SFB	Methods CS-WSP, CS-G, CS-PF			
		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			
4		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			
≤ 115		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			
*	Ĥ	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			

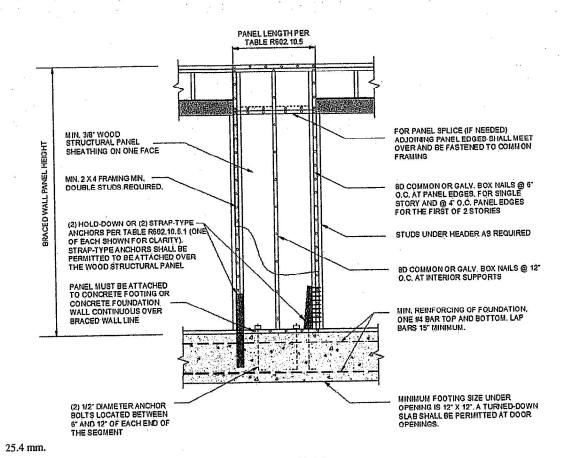
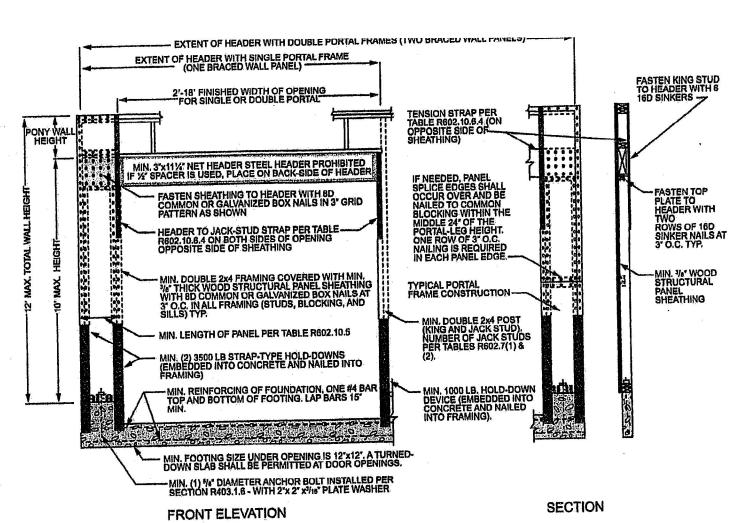


FIGURE R602.10.6.1
METHOD ABW---ALTERNATE BRACED WALL PANEL



4 mm, 1 foot = 304.8 mm.

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

			TABLE R602.10 BRACING METHO				
METHODS, MATERIAL				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 $(2^{1}/_{2}" \text{ long} \times 0.113" \text{ dia.})$ nails or 2 - $1^{3}/_{4}" \text{ long staples}$	Per stud		
	WSP Wood			Exterior sheathing per Table R602.3(3)	6" edges 12" field		
	structural panel (See Section R604)	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 $(2^1/2^n \times 0.131)$ nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts		
Intermittent Bracing Methods	SFB Structural fiberboard sheathing	ral maximum 16" stud spacing		$1^1 l_2^{"} \log \times 0.12^{"}$ dia. (for $^1 l_2^{"}$ thick sheathing) $1^3 l_4^{"} \log \times 0.12^{"}$ dia. (for $^{25} l_{32}^{"}$ thick sheathing) galvanized roofing nails	3" edges 6" field		
Intermittent	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	panel locations: 7" edges (including top		
	PBS Particleboard sheathing (See Section R605)	3/8" or 1/2" for maximum 16" stud spacing		For ³ / ₈ ", 6d common (2" long × 0.113" dia.) nails For ¹ / ₂ ", 8d common (2 ¹ / 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 / ₁₆ " dia. head nails or ⁷ / 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 1½" 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		

MINIMUM LET			MINI	CONTRIBUTING LENGTH				
METHOD (See Table R602.10.4)		Wali Height					(inches)	
(000 1000 1000 1000 1000 1000 1000 1000			9 feet	10 feet	11 feet	12 feet		
DWD WCD CER P	BS, PCP, HPS, BV-WSP	8 feet 48	48	48	53	58	Actual ⁶	
		48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actu	
	GB		62	69	NP	NP	Actual ⁶	
	LIB	55	- 02	- 60	INF	141	1.5000	
ADW	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	Actual ^b	
	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		
	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	1	
	136				-	62		
	140	5				66	_	
5	144				j —	72		
METHOD		8 feet		rtal header 10 feet	neigm 11 feet	12 feet	-	
(See Ti	able R602,10.4) Supporting roof only	16	16	16	Note c	Note o		
PFH			24	24	Note c	Note o	40	
	Supporting one story and roof	24	27	30	Note d	Note o		
	PFG SDC A, B and C	16	18	20	Note e	Note 6		
CS-PF	SDC D ₀ , D ₁ and D ₂	16	18	20	Note e	Note 6		

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.

BRACE WALL DETAILS WIND SPEED 115 MPH WIND EXPOSURE A

SEISMIC DESIGN CAEGORY A

NP = Not Permitted.

a. Linear interpolation shall be permitted.

TABLE R602.10.4—continued

				CONNECTION CRITERIA'		
N	METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Specing	
Methods	PFH Portal frame with hold-downs	³/ ₈ ″		See Section R602.10.6.2	See Section R602.10.6.2	
Intermittent Bracing Methods	PFG Portal frame at garage	7/16"		See Section R602.10.6.3	See Section R602.10.6.3	
	CS-WSP Continuously sheathed wood structural panel	3/8"		Exterior sheathing per Table R602.3(3)	6" edges 12" field	
8				Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener	
Continuous Sheathing Methods	CS-G ^{h,c} Continuously sheathed wood structural panel adjacent to garage openings	3/ ₈ "		See Method CS-WSP	See Method CS-WSP	
nuous Sh	CS-PF Continuously sheathed portal frame	7/16"		See Section R602.10.6.4	See Section R602.10.6.4	
Conti	CS-SFB ^d Continuously sheathed structural fiberboard	1/2" or ²⁵ /32" for maximum 16" stud spacing		1 $\frac{1}{2}$ " long × 0.12" dia. (for $\frac{1}{2}$ " thick sheathing) 1 $\frac{1}{4}$ " long × 0.12" dia. (for $\frac{2}{3}$ " 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.

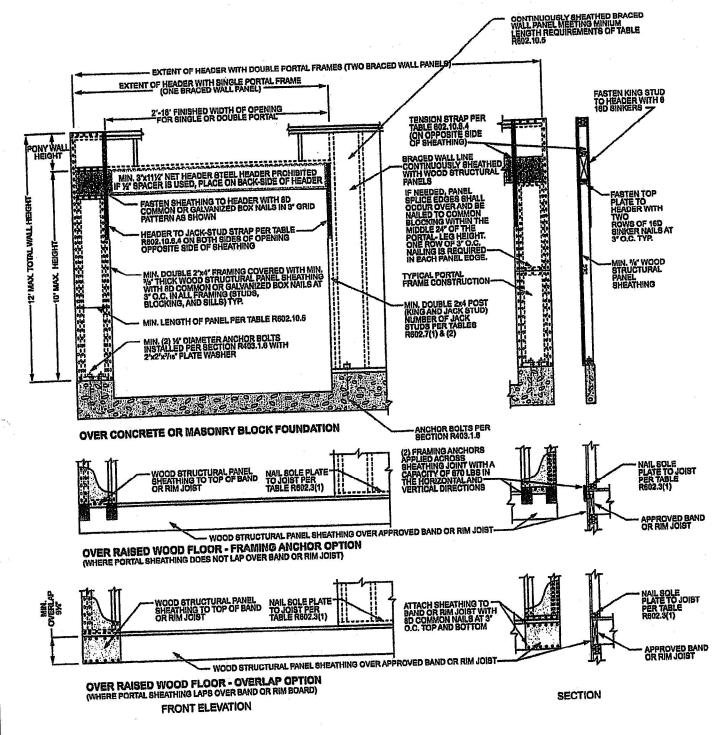
a. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D₀, D₁ and D₂.

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-O 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.



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



ACCORDANCE WITH SINTERNATIONAL IDENTIAL CODE ANAL CODES. 2018 IN RESIDE LOCAL BUILD 2018 IN RESIDE

MARIE III 4 COLBY CREEK 5 SE CARTER RD HOME LOT 7 516 5 LEE

> SCALE 1/4" = 1-0

DATE 3-18-21

PLAN NO. 3398-4

SHEET NO.

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