

REAR EL. 1/8 = 1-0





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

TRUMARK HOMES
KYLE IV
FRONT WALKUP
LOT 83 WOODSIDE RIDGE
330 NW AMBERSHAN DR
LEE SUMMIT MO

SCALE 1/4" = 1-0

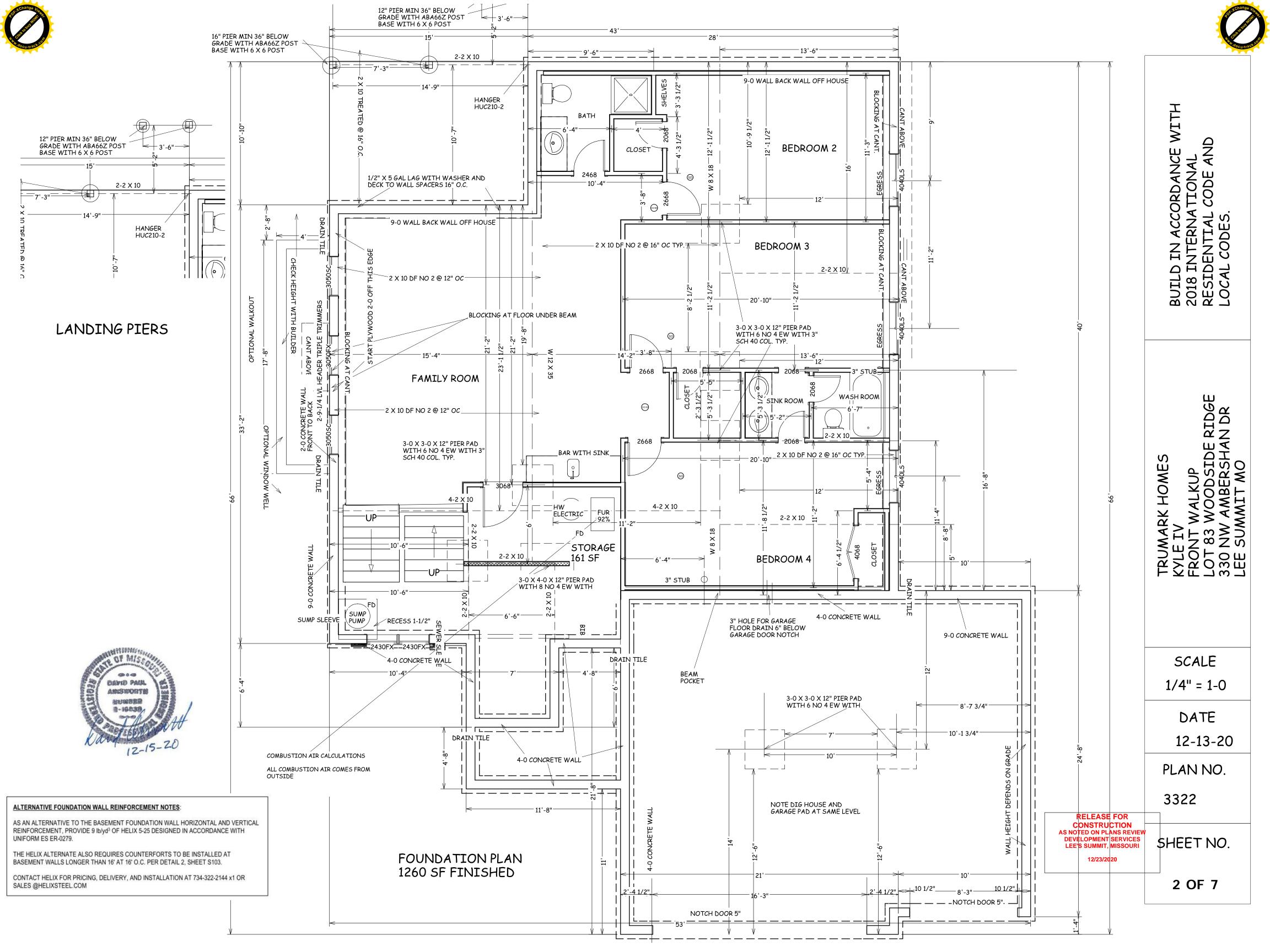
DATE 12-13-20

PLAN NO.

3322

SHEET NO.

1 OF 7





DETAIL NOTES:
1. FLOORWALL FRAWING AND ANCHORAGE

3 FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.

4. EXPANSION JOINT(S) PER TYPICAL PRACTICE

HELIX REINFORCED CONCRETE.

LEDGES

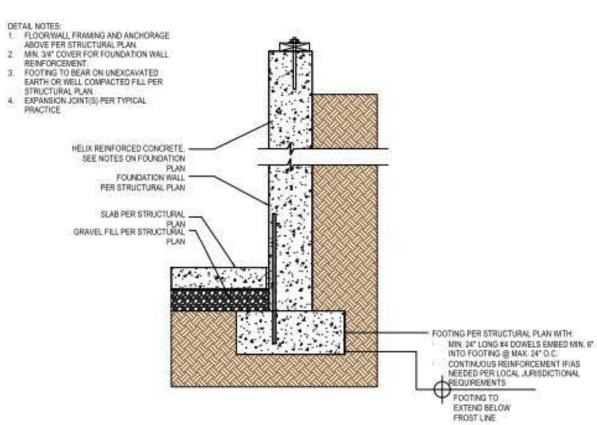
SEE NOTES ON FOUNDATION

FOUNDATION WALL

PER STRUCTURAL PLAN

REINFORCEMENT.

ABOVE PER STRUCTURAL PLAN. MIN. 34" COVER FOR FOUNDATION WALL



TYPICAL FOUNDATION WALL

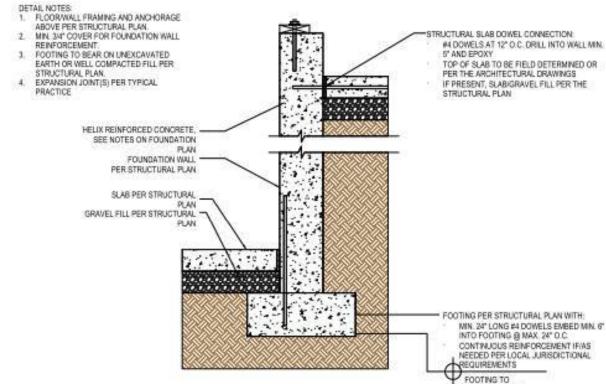
TRUCTURAL SLAB DOWEL CONNECTION: #4 DOWELS AT 12" O.C. DRILL INTO WALL MIN. 5" AND EPOXY TOP OF SLAB TO BE FIELD DETERMINED OR PER THE ARCHITECTURAL DRAWINGS IF PRESENT, SLABIGRAVEL FILL PER THE

FOOTING PER STRUCTURAL PLAN WITH:

MIN, 24" LONG #4 DOWELS EMBED MIN, 6" INTO FOOTING @ MAX, 24" O.C.

CONTINUOUS REINFORCEMENT IF/AS

NEEDED PER LOCAL JURISDICTIONAL REQUIREMENTS



TYPICAL FOUNDATION WALL w/ STRUCTURAL SLAB

DETAIL NOTES:

1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.

2. MIN. 34" COVER FOR FOUNDATION WALL REINFORCEMENT. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN SLAB PER STRUCTURAL PLAN: TOP OF SLAB TO BE FIELD DETERMINED OR PER THE ARCHITECTURAL DRAWINGS EXPANSION JOINT(S) PER TYPICAL PRACTICE GRAVEL FILL PER STRUCTURAL PLAN SLAB TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN HELIX REINFORCED CONCRETE. SEE NOTES ON FOUNDATION FOUNDATION WALL PER STRUCTURAL PLAN FOOTING PER STRUCTURAL PLAN WITH: MIN. 24" LONG M DOWELS EMBED MIN. 6" INTO FOOTING & MAX. 24" O.C. CONTINUOUS REINFORCEMENT IF/AS NEEDED PER LOCAL JURISDICTIONAL REQUIREMENTS
FOOTING TO EXTEND BELOW

TYPICAL STEM WALL w/ SLAB-ON-GRADE ADJACENT

HEUX REINFORCED CONCRETE, SEE NOTES ON FOUNDATION FOUNDATION WALL PER STRUCTURAL PLAN FOOTING PER STRUCTURAL PLAN WITH: MIN. 24" LONG #4 DOWELS EMBED MIN. 6" INTO FOOTING @ MAX. 24" O.C. CONTINUOUS REINFORCEMENT IF/AS NEEDED PER LOCAL JURISDICTIONAL PEQUIREMENTS TO

STRUCTURAL SLAB DOWEL CONNECTION. #4 DOWELS AT 12" O.C. DRILL INTO WALL MIN. TOP OF SLAB TO BE FIELD DETERMINED OR PER THE ARCHITECTURAL DRAWINGS

EXTEND BELOW

IF PRESENT, SLAB/GRAVEL FILL PER THE STRUCTURAL PLAN

DETAIL NOTES:

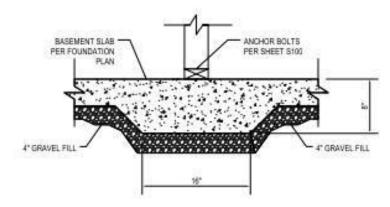
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.

2. MIN. 3M* COVER FOR FOUNDATION WALL RENFORCEMENT:

3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.

4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.

TYPICAL STEM WALL w/ STRUCTURAL SLAB ADJACENT



TYPICAL THICKENED SLAB

RELEASE FOR **CONSTRUCTION** AS NOTED ON PLANS REVIEW **DEVELOPMENT SERVICES** LEE'S SUMMIT, MISSOURI

12/23/2020

12-13-20

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ABOVE PER STRUCTURAL PLAN. REINFORCEMENT CHARLES AND A FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN. STRUCTURAL SLAB BEARING CONDITION: 4. EXPANSION JOINT(S) PER TYPICAL IF PRESENT, SLABIGRAVEL FILL PER THE HELIX REINFORCED CONCRETE, SEE NOTES ON FOUNDATION PLAN FOUNDATION WALL PER STRUCTURAL PLAN SLAB PER STRUCTURAL PLAN GRAVEL FILL PER STRUCTURAL -FOOTING PER STRUCTURAL PLAN WITH: NEEDED PER LOCAL JURISDICTIONAL

FLOORWALL FRAMING AND ANCHORAGE TOP OF SLAB TO BE FIELD DETERMINED OR PER THE ARCHITECTURAL DRAWINGS MIN, 24" LONG #4 DOWELS EMBED MIN, 6" INTO FOOTING @ MAX, 24" O.C. CONTINUOUS REINFORCEMENT IF/AS FOOTING TO EXTEND BELOW

TYPICAL FOUNDATION WALL w/ STRUCTURAL SLAB BEARING ALTERNATIVE

TYPICAL STEM WALL w/ MULTIPLE STRUCTURAL

900 BAYID PAUL AMISWORTH 多和無名數學 8-19538

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

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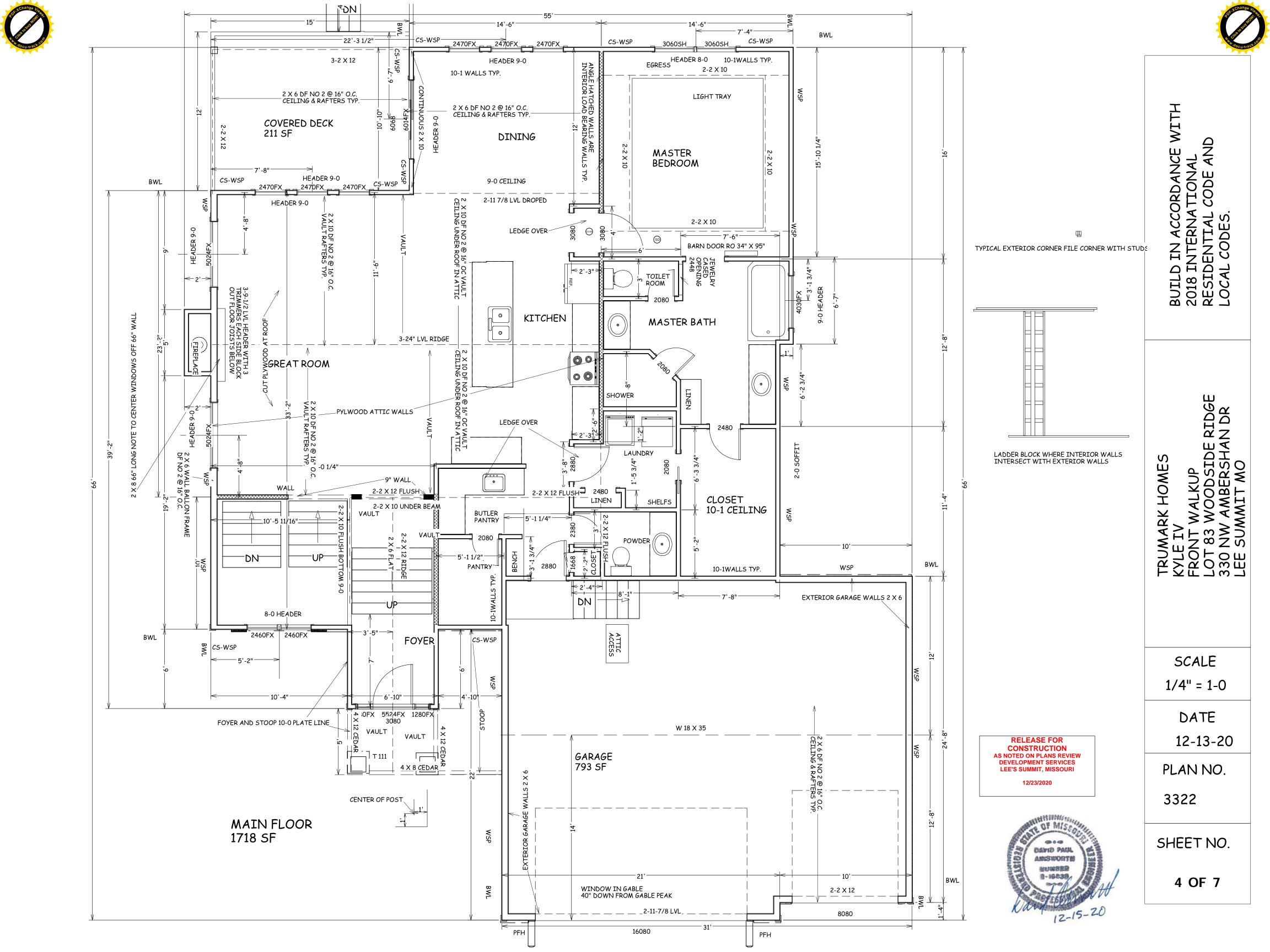
ONT WALKUP T 83 WOODSIDE RIDGE D NW AMBERSHAN DR E SUMMIT MO TRUMARK HOMES KYLE IV FRONT WALKUP LOT 83 WOODSIDE 330 NW AMBERSHA LEE SUMMIT MO

> 1/4" = 1-0 DATE

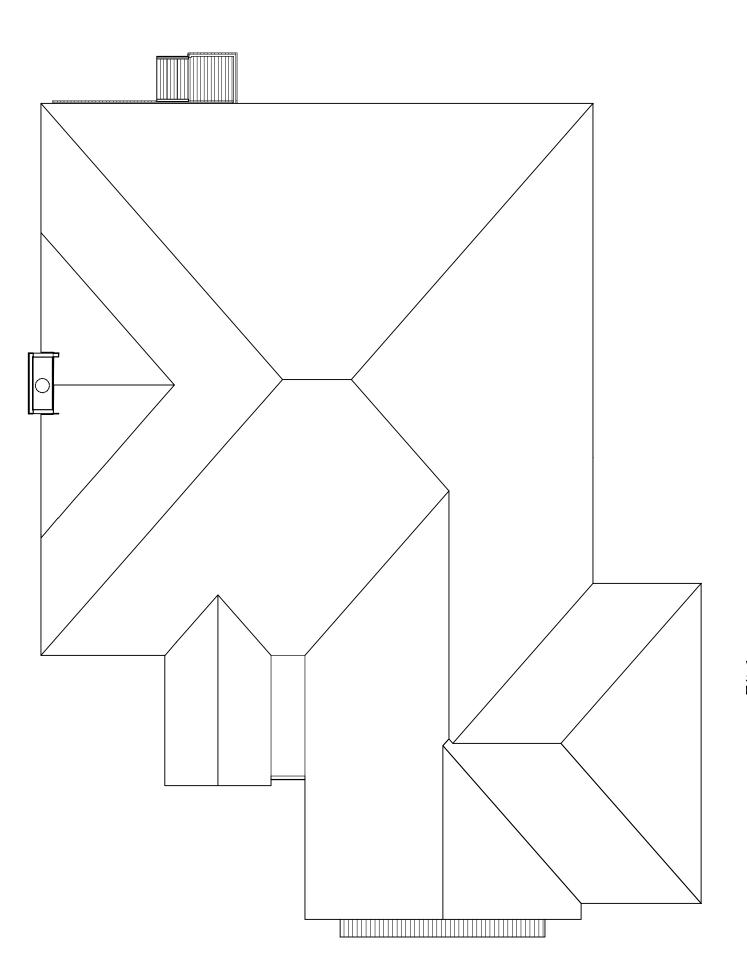
SCALE

SHEET NO.

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

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

VAULT INSULATION DETAIL 2 X 10 VAULT RAFTER 1. DWELLING / GARAGE OPENINGS BETWEEN GARAGE AND SLEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS SHALL BE 1" AIR SPACE WITH FOAM AIR EQUIPPED WITH SOLID WOOD OR STELL DOORS NOT LESS THAN 1-3/8" **ENERGY CONSERVATION CODE** 2 X 2 NAILED TO BOTTOM OF THICK OR 20 MINUTE RATED DOORS, WITH SELF CLOSING DEVICES REQUIRED FOR GARAGE / DWELLING SEPERATION DOORS R302.5.1 THE FOLLOWING VALUES ARE NEEDED RAFTERS 12" O.C. WITH 12 D NAILS 2. WHOLE HOUSE MECHANICAL VENTILATION SYSTEM IS REQUIRED FOR ANY DWELLING IN COMPLIANCE WITH IRC M 1505 R-15 IN WALLS 3. CARBON MONOXIDE DETECTORS REQUIRED IRC R 315 R-49 IN ATTICS R-38 HIGH DENSITY 4. STEEL COLUMNS SHALL BE MINIMUM SCHEDULE 40 R407.3 INSULATION R-38 IN VAULTS R-30 REDUCTION FOR VAULTS IS ONLY FOR 500 SF 5. DECK SHALL BE BUILT PER TABLES 507.2, 507.2.1, 507.3, 507.6, INTERCONNECTED HARD WIRED SMOKE 507.5.1(1)&(2), 507.5, AND 507.6 DETECTORS SHALL BE INSTALLED IN EACH BEDROOM AND OUTSIDE OF EACH BEDROOM 6. STUDS SHALL BE CONTINUOUS BETWEEN FLOOR, CEILING AND OR R-19 IN FLOORS OVER UNCONDITIONED SPACES ROOF DIAPHRAGMS R602.3 ALL PLUMBING IF EXISITING SHALL BE CAPPED AND AIR TESTED PRIOR TO ROUGH-IN 7. ADDED REQUIREMENTS FOR WINDOW FALL PROTECTION R312.2 R-10 IN CRAWL SPACE WALLS INSPECTION FOR LEAK VERIFICATION 8. NEW PROVISIONS FOR ATTACHMENT OF RAFTERS, TRUSSES AND BASEMENT WALLS R-13 CAVITY OR R-10 CONTINOUS ROOF BEAMS R802.3.1. R802.11 9. INSULATION REQUIRED FOR ALL BASEMENT WALLS (INCLUDING SLABS SHALL BE R-10 FOR A DEPTH OF 2 FOOT UNFINISHED BASEMENTS) N1102.1 A WINDOW U FACTOR OF .35 OR BETTER 10. EXTERIOR WINDOWS/DOORS SHALL HAVE U-FACTOR 0.35 AND ICE & WATER SHEILD REQUIRED ON ALL GLAZING SHALL HAVE SOLAR HEIGHT GAIN FACTOR OF 0.40 N1102.1 DUCTWORK NEEDS TO HAVE AN R-8 VALUE 11. HOUSE LEAKAGE AND DUCT LEAKAGE PERFORMANCE STANDARDS EFFECTIVE JANUARY 1, 2014. A SAMPLE TESTING PROGRAM WILL BE ROOF IS DESIGNED FOR 25 IMPLEMENTED OCTOBER 1, 2012 KCBRC N1102.4.1.2 N1103.2.2 P.S.F. SNOW LOAD MIN. COMP. SHINGLES OVER 12. LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE (E.G. RIDGE BOARDS AND HIPS ARE TO BE 2 CAN LIGHTS IN ATTIC) SHALL BE IC-RATED, LEAKAGE-RATED AND X MATERIAL, AND NOT LESS THAN SEALED TO THE GYPSUM WALLBOARD N1102.4.4 THE END CUT OF RAFTER RAFTERS AND CEILING JOISTS CONNECTIONS IN 2 X 6 DF NO. 2 13.PROGRAMMABLE THERMOSTAT REQUIRED N1103.1.1 RATED ROOF AT 16" OC ACCORDANCE IRC 802.3 SHEATHING PROVIDE RAFTER TIES PER SECTION 802.3 14. AIR HANDLERS SHALL BE RATED FOR MAXIMUM 2 % AIR LEAKAGE DRIP EDGE AND GUTER AND 802.3.1 WHEN UNABLE TO CONNECT RATE N1103.2.2.1 RAFTERS TO CEILING JOISTS 1 X 8 FASCIA OVER 2 X 6 15. BUILDING CAVITIES USED AS RETURN AIR PLENUMS SHALL BE 2 X 6 DF NO. 2 SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE KCBRC SUBFASCIA AT 16" OC SOFFIT 1/2 GYP. BOARD 16. CERTAIN HOT WATER PIPES SHALL BE INSULATED N1103.4 WITH **VENTS** GARAGE SHALL HAVE 5/8 TYPE X 17. ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR SHEET ROCK CEILING AND WALLS 7/16 APA RATED SIDING OVER 18. MAKEUP AIR SYSTEM REQUIRED FOR KITHCHEN EXHAUST HOODS 2 - 2 X 10 DF NO 2 WATER RESISTIVE HOUSE WRAP IN THAT EXCEED 400 CFM M1503.4 HEADERS TYP. U.N.O. COMPLIANCE WITH SECTION 703.2 WALLS OVER 10-2 TO 18-0 OF THE IRC 19. BUILDING CAVITIES IN A THERMAL ENVELOPE WALL (INCLUDING THE WALL BETWEEN THE HOUSE AND GARAGE) SHALL NOT BE USED AS STUDS SHALL BE 2 X 6 DF 2 X 4 DF NO. 2 AT 16" OC NO 2 @ 16" O.C. TYP. 3/4" T & G SUB FLOOR RETURN AIR PLENUMS 1/2 " ANCHOR BOLTS AT 5-0 OC MIN. , AND BE ALL STUDS GO FROM FLOOR TO GLUED AND NAILED LOCATED WITHIN 12" FROM THE ENDS OF EACH CEILING OR RAFTER DIAFRAM TYP. 20. AN AIR HANDLING SYSTEM SHALL NOT SERVE BOTH THE LIVING PLATE SECTION. SHALL EXTEND A MINIMUM OF SPACE AND THE GARAGE M1601.6 2 X 10 DF NO 2 @ 7" INTO CONCRETE SUPPLEMENTAL 16" OC TYP. 21. A CONCRETE- ENCASED GROUNDING ELECTRODE ('UFER' GROUND) REINFORCEMNT AT 2 X4 TREATED PLATE OVER CONNECTION SHALL BE PROVIDED TO THE ELECTRICAL SERVICE E3608.1 MIN. CONCRETE STRENGTH SILL SEALER CORNERS OF OPENINGS 2,500 PSI BASEMENT FLOOR SLABS UNDISTURBED GRADE 3,000 PSI FOR FOOTINGS , FOUNDATION WALLS, AND OTHER VERTICAL AND STEP DOWNS 22. COMPLIANCE WITH THE REQUIRMENT AND SHOW CONNECTION AS REQUIRE 1 # 4 BAR 48" NEEDED FOR ROOF BEAM, TRUS, RAFTER, AND GIRDER CONNECTION FOR UPLIFT PER IRC 802.11. ALL RAFTERS BE IN COMPLIANCE WITH IRC 502.11 LONG AT 45 DEGREE DAMPPROOF WALLS BELOW GRADE 3,500 PSI FOR CARPORT AND GARAGE FLOOR SLABS ON UNDISTURBED GRADE, ANGLE AT CORNERS, WITHIN 6" OF THE EDGE AMENDED RAYMORE CODE SPRAY ON TAR WITHIN CODE R-406.1 AND STRUCTURAL FLOOR SLABS FILL ALL VIODS & HONEYCOMB AREAS OF INSIDE CORNERS BEFORE DAMPPROOFING 4" CONCRETE SLAB WITH NO SPREAD FOOTING 4 BARS AT 2-0 OC EACH WAY, 7.5" CONCRETE WALL WITH NO 4 BARS HORT. EVERY 18" OF WALL MIN 8" DEEP X 16' HEIGHT WITH # 4 BAR WITHIN 6" OF TOP AND BOTTOM OF WALL, OVER 6 ML VAPOR BARRIOR WIDE WITH TWO NO USE LSTA24 RIDGE STRAPS HORT. REBAR SHALL BE INSTALLED ON SOIL SIDE OF VERTICAL OVER CRUSHED ROCK ON ALL VAULTS AT RIDGE REINFORCEMENT OR COLLAR TIES GRADE 40 TYP. VERTICAL REBAR SHALL BE WITHIN 8" OF THE TOP OF THE WALL, AND POSITIONED 2" FROM THE INSIDE FACE OF WALL VERTICAL REBAR SPACING INTERIOR DRAIN TILE MIN. 1-1/2" WALL HEIGHT IN FEET 6-0 OR LESS #4 @ 24" O.C. MIN. DRAIN TO DAYLIGHT, OR SUMP RADON VENTING OF SLAB 8-0 # 4 @ 16" O.C. PUMP IN ACCORDANCE TO R-405 ALL CONCRETE EXPOSED TO

WEATHER GARAGE SLABS 10-0 # 4 @ 8" O.C. FOOTINGS WALLS AND FLATWORK 10-0 WALL 9.5" #4 @ 12" O.C. MUST HAVE 6% AIR ENTRAINMENT

PIER PADS

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.

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

TYP VAULT WITH STRAPS

LADDER -**←** 3'-0" →

WINDOW SAFETY GLAZING PER 308

2000 P.S.F.

TYPICAL WALL SECTION

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.

8 X 16 FOOTING WITH TWO NO 4

BARS HORIZONTAL 3" FROM THE BOTTOM, ALL FOOTINGS TO

EXCEED MIN. FROST DEPTH OF 36"

MIN. STAIR HEADROOM 6-8

ALL STAIRS

MIN. RUN 10"

MAX. RISE 7-3/4"

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

4" DRAIN TILE IN WITH MIN 6"

ASSUMED SOIL \setminus CRUSHED ROCK OVER PIPE, DRAIN TO

ACCORDANCE TO R-405

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 WITH LADDER

EGRESS WINDOW WELL AS NEEDED PER SECTION 308 MIN 3-0 X 3-0

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

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI

12/23/2020



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> RIDGE N DR SSIDE ERSH, MO 0

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5 OF 7





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TRUMARK HOMES
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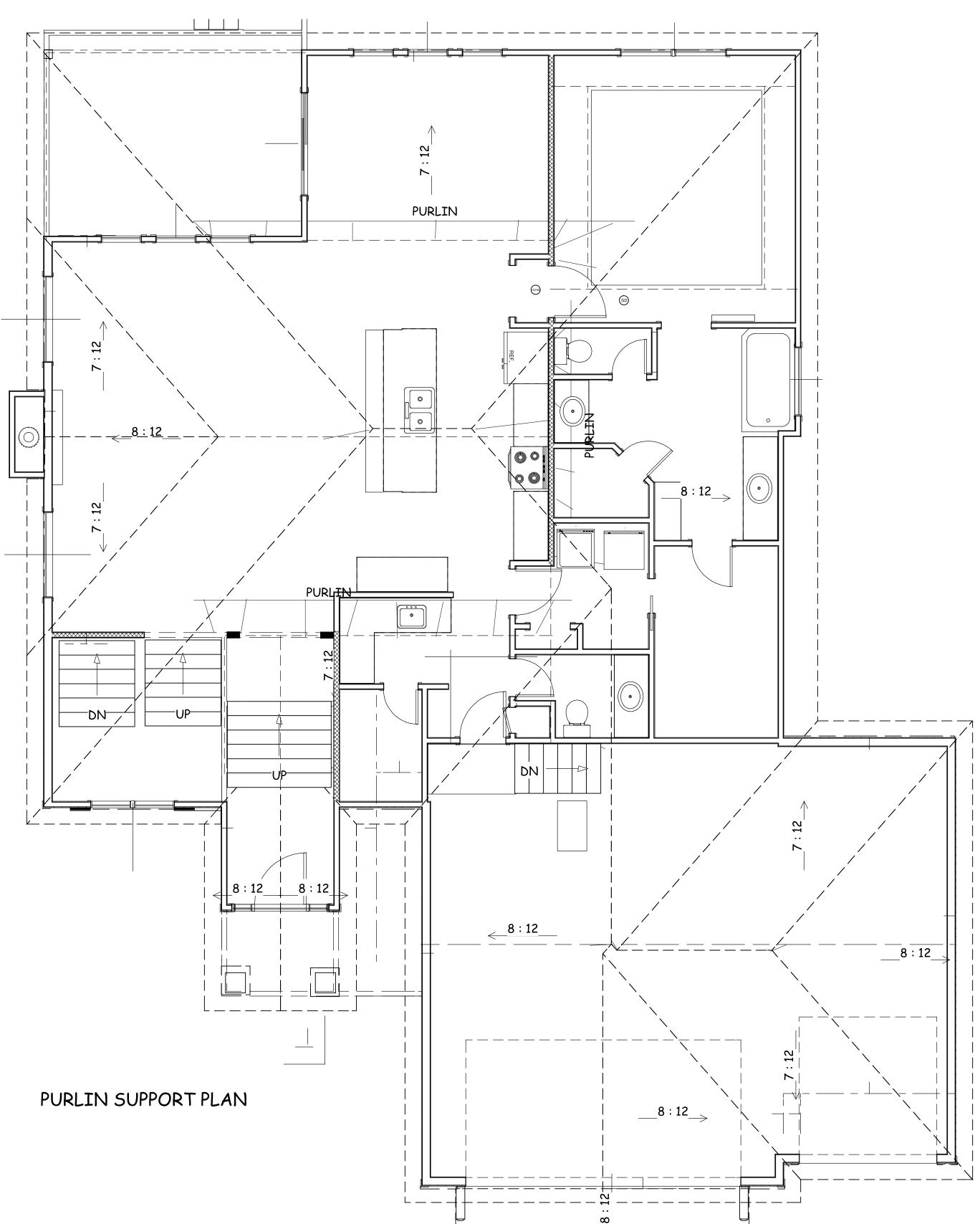
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6 OF 7



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
12/23/2020

DAVID PAUL ANISTORTH

5-1003B



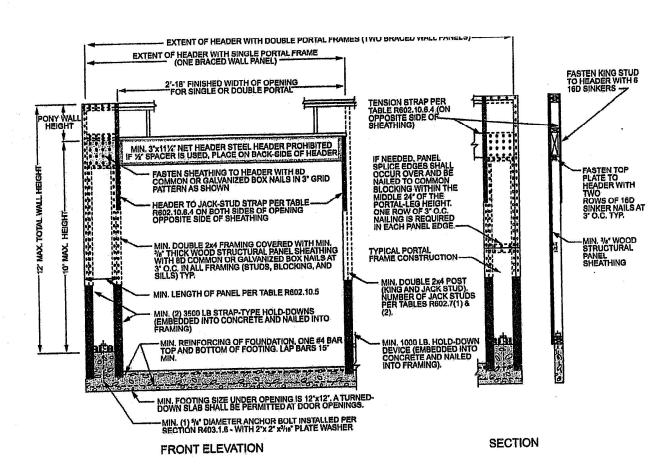
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TRUMARK HOMES
KYLE IV
FRONT WALKUP
LOT 83 WOODSIDE RIDGE
330 NW AMBERSHAN DR
LEE SUMMIT MO

		T/ BRACING REQUIR	ABLE R602.10.3(1) EMENTS BASED O	N WIND SPEED			
EXPOSURE CATEGORY B 3D-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				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing ^o (feet)	Method LIB ^b	Method GB	Methods DWB, WSP, 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	
		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	
	·	10	NP	10.0	6.0	5.0	
		20	NP	18.5	11.0	9.0	
	1 🖯	30	NP	27.0	15.5	13.0	
	1 H	40	NP	35.0	20.0	17.0	
		50	NP	43.0	24.5	21.0	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60	NP	51.0	29.0	25.0	

		LENGTH PER E R602 10.5	
ANNO TENEDIT	MIN. 3/8* WOOD STRUCTURAL PANEL SHEATHING ON ONE FACE MIN. 2 X 4 FRAMING MIN. DOUBLE STUDS REQUIRED.		FOR PANEL SPLICE (IF NEEDED) ADJOINING PANEL EDGES SI IALL MEET OVER AND BE FASTENED TO COMMON FRAMING 8D COMMON OR GALV. BOX NAILS @ 6' O.C. AT PANEL EDGES. FOR SINGLE STORY AND @ 4' O.C. PANEL EDGES
200	(2) HOLD-DOWN OR (2) STRAP-TYPE ANCHORS PER TABLE R602.10.5.1 (ONE) OF EACH SHOWN FOR CLARITY). STRAP-TYPE ANCHORS SHALL BE PERMITTED TO BE ATTACHED OVER THE WOOD STRUCTURAL PANEL PANEL MUST BE ATTACHED TO CONCRETE FOOTING OR CONCRETE FOOTING OR CONCRETE FOUNDATION WALL CONTINUOUS OVER BRACED WALL LINE		STUDS UNDER HEADER AS REQUIRED 8D COMMON OR GALY, BOX NAILS @ 12* O.C. AT INTERIOR SUPPORTS MIN. REINFORCING OF FOUNDATION, ONE #5 BAR TOP AND BOTTOM. LAP BARS 15* MINIMUM.
25.4 mm.	(2) 1/2* DIAMETER ANCHOR BOLTS LOCATED BETWEEN 6* AND 12* OF EACH END OF THE SEGMENT		MINIMUM FOOTING SIZE UNDER OPENING IS 12' X 12' A TURNED-DOWN SLAB SHALL BE PERMITTED AT DOOR OPENINGS.

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.				
				CONNECTION CRITERIA*			
MET	HODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Facteners	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 $(2^{1}l_{2}^{"} \text{ long} \times 0.113" \text{ dia.})$ nails or $2 - 1^{3}l_{4}^{"} \text{ long staples}$	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		
sthods	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 $(2^{1}l_{2}^{"} \times 0.131)$ nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts		
Intermittent Bracing Methods	SFB Structural fiberboard sheathing	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		
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	For all braced wall panel locations: 7" edges (including top and bottom plates) 7" field		
	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	6" o.c. on all framing 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 ½" 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 LEN			MINI	CONTRIBUTING LENGTH			
	le R602.10.4)	Wali Height				(inches)	
	<u> </u>	8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, P	BS, 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	7
	72	27	27	30	33	36	1
	76	30	29	30	33	36	1
	80	32	30	30	33	36	Actual ^b
	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	
CD-1101, CD 012	104		49	43	40	39	
	108		54	46	43	41	
	112			50	45	43	7
	116	<u> </u>		55	48	45	7
	120			60	52	48	7
	124			-	56	51	
	128	_	-	_	61	54	
	132		=		66	58	7
	136	 				62	7
	140	-	 	-	 -	66	7
-	144		 	=	T-	72	1
METHOD		 	Po	rtal header	height		
	able R602.10.4)	8 feet	9 feet	10 feet	11 feet	12 feet	
PFH	Supporting roof only	16	16	16	Note c	Note o	48
	Supporting one story and root	24	24	24	Note c	Note o	:
	PFG	24	27	30	Note d	Note o	
	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	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. 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

			TABLE R602.10.4—cont	inued S		
				CONNECTION CRITERIA		
METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	Fasteners	Spacing	
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	3/8"		Exterior sheathing per Table R602.3(3)	6" edges 12" field	
Continuous Sheathing Methods	Continuously sheathed wood structural panel			Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener	
	CS-G ^{b,c} Continuously sheathed wood structural panel adjacent to garage openings	2/8"		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 ⁴ Continuously sheathed structural fiberboard 1/2" or ²⁵ /2" for maximum 16" stud spacing			$1\frac{1}{2}$ " long × 0.12" dia. (for $\frac{1}{2}$ " thick sheathing) $\frac{1}{4}$ " long × 0.12" dia. (for $\frac{2}{3}$ " thick sheathing) galvanized roofing nails	3" edges 6" field	

For Sit I 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.

- WOOD STRUCTURAL PANEL SHEATHING OV OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION (WHERE PORTAL SHEATHING DOES NOT LAP OVER BAND OR RIM JOIST) OVER RAISED WOOD FLOOR - OVERLAP OPTION (WHERE PORTAL SHEATHING LAPS OVER BAND OR RIM BOARD) SECTION FRONT ELEVATION

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

RELEASE FOR CONSTRUCTION **AS NOTED ON PLANS REVIEW** DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 12/23/2020

SHEET NO.

SCALE

1/4" = 1-0

DATE

PLAN NO.

3322

12-13-20

7 OF 7

OF MISS 900 BAND PAUL ASSTROPTS 表和概念就是 8-19538