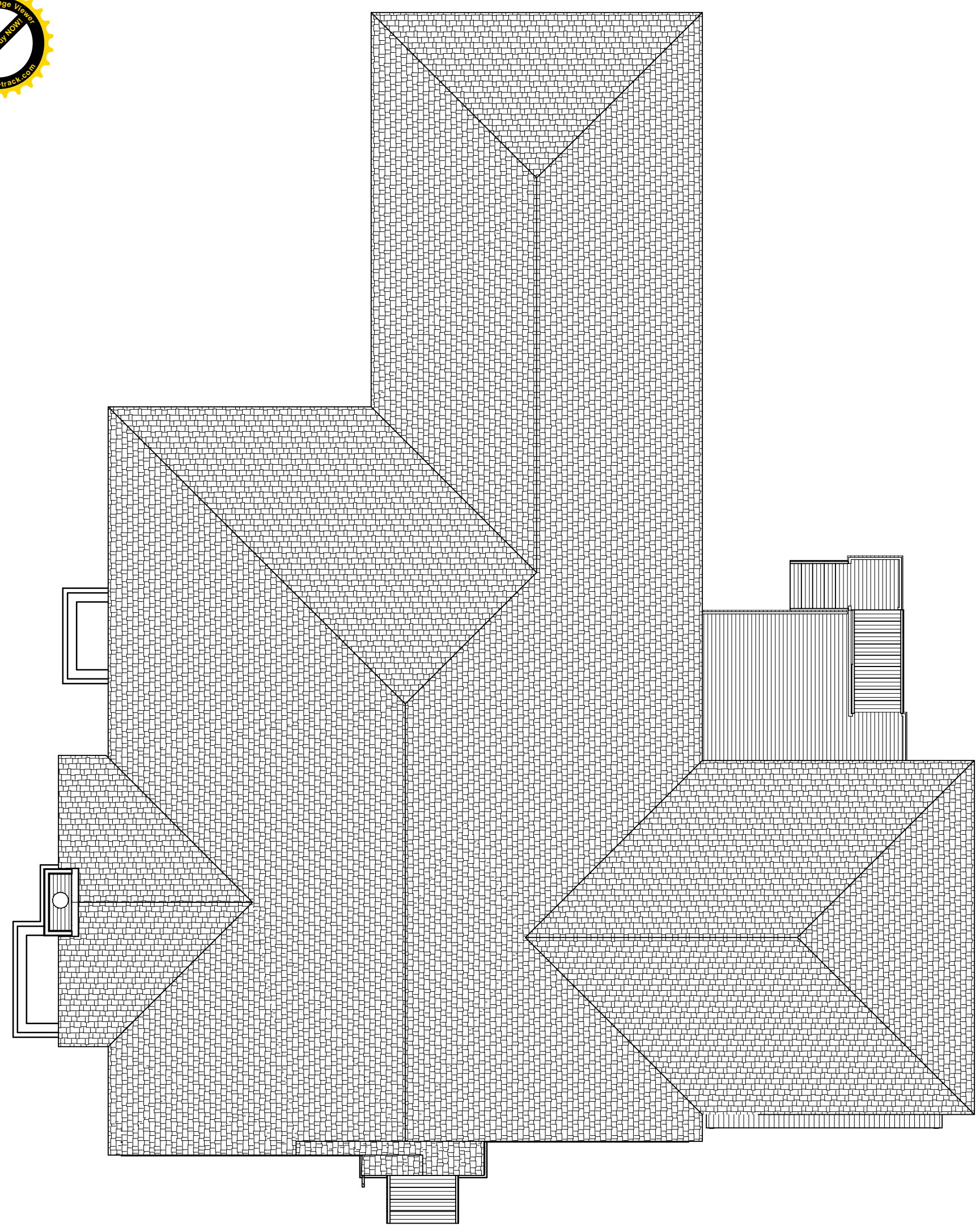
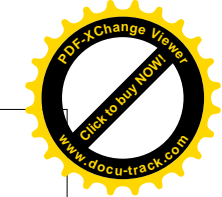


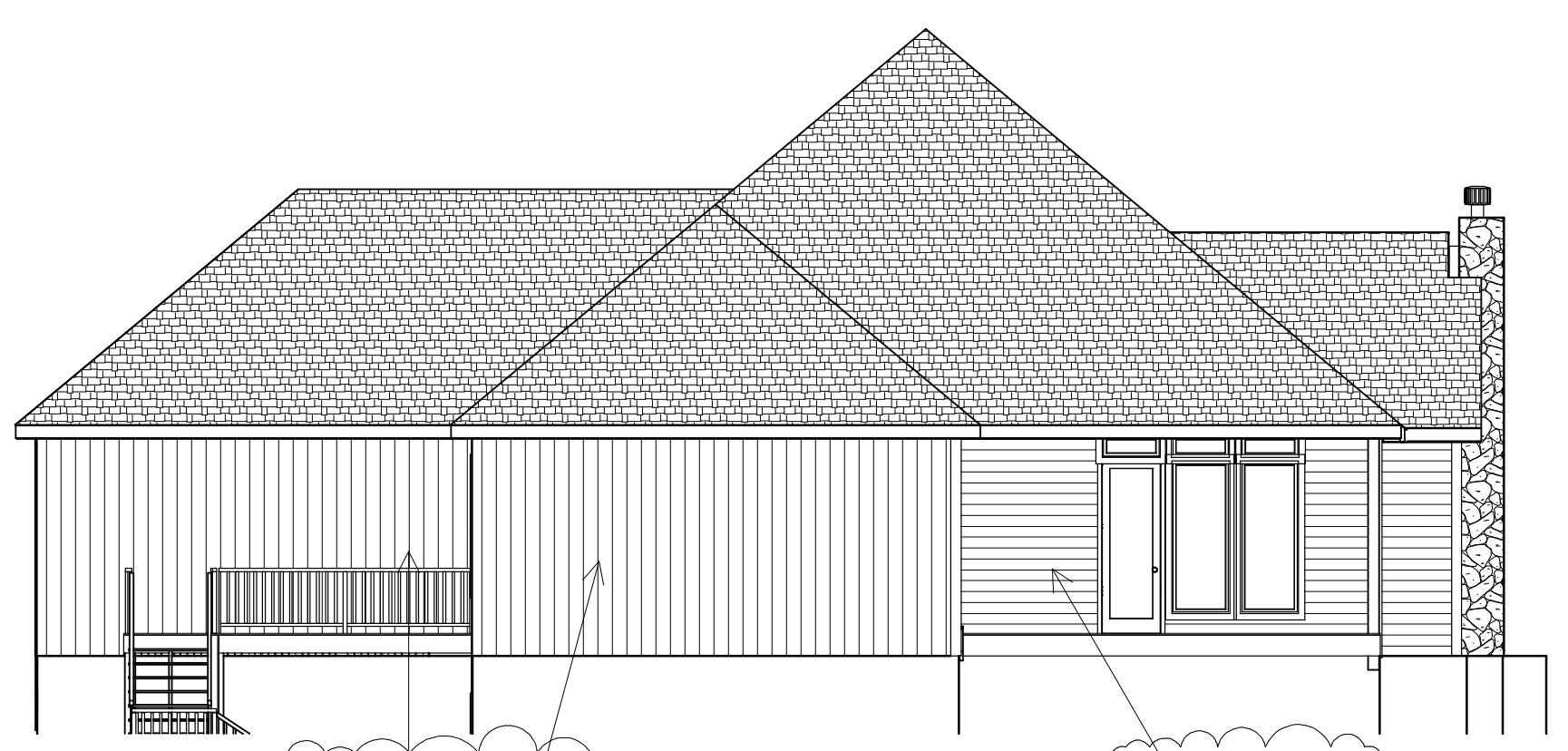
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
03/02/2021



ROOF PLAN
1/8" = 1'-0"
ROOF PITCHES 10/12
RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.
HIPS AND RIDGES 2 X 8 DF NO 2



FRONT EL.
STUCCO AND STONE



LP PANEL SIDING

LP LAP SIDING

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



LP LAP SIDING

LP LAP SIDING

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



LP PANEL SIDING

LP PANEL SIDING

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

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

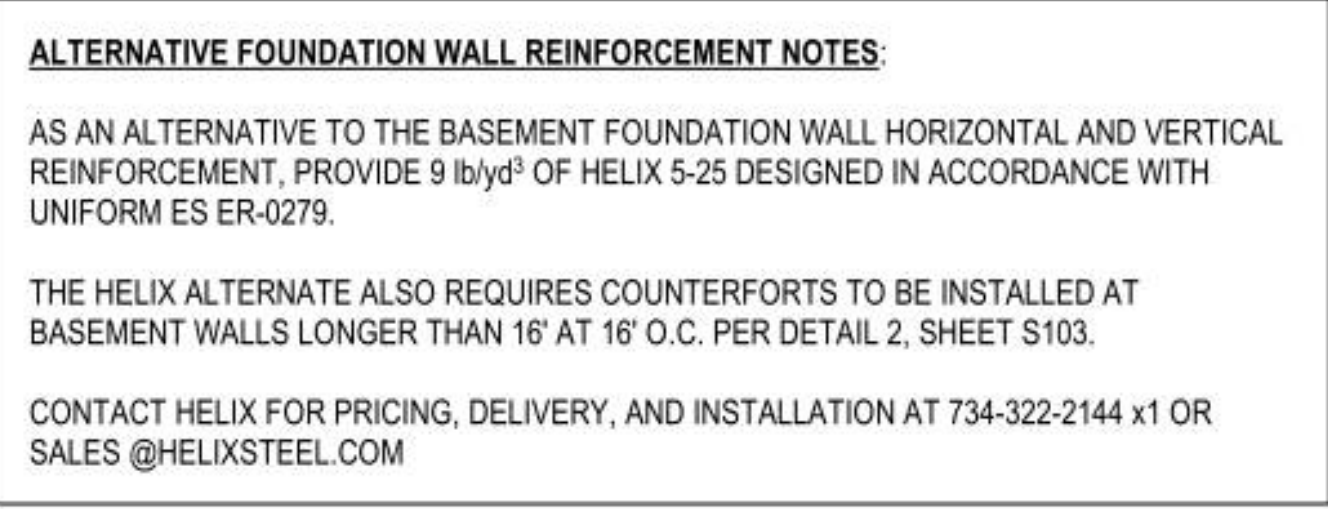
TRUMARK HOMES
BROOKSIDE IV
LOT 95 RESERVE AT WOODSIDE RIDGE
202 NW AMBERSHAM DRIVE
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

DATE
1-7-21

PLAN NO.
3303

SHEET NO.
1 OF 6



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

TRUMARK HOMES
BROOKSIDE IV
LOT 95 RESERVE AT WOODSIDE RIDGE
202 NW AMBERSHAM DRIVE
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

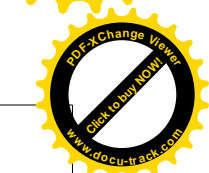
DATE
1-7-21

LAN NO.
3303

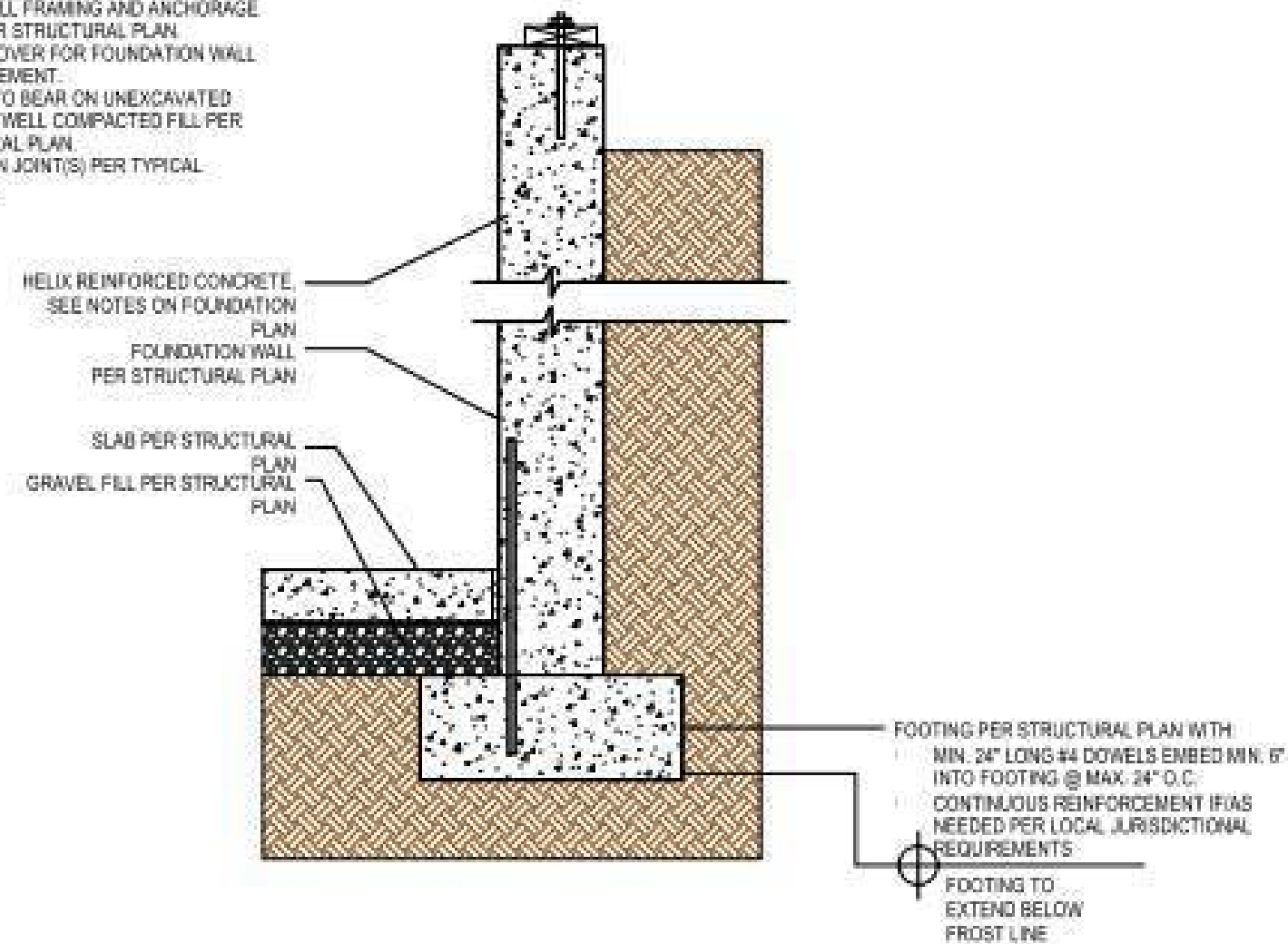
HEET NO.
2 OF 6



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEWED
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
03/02/2021

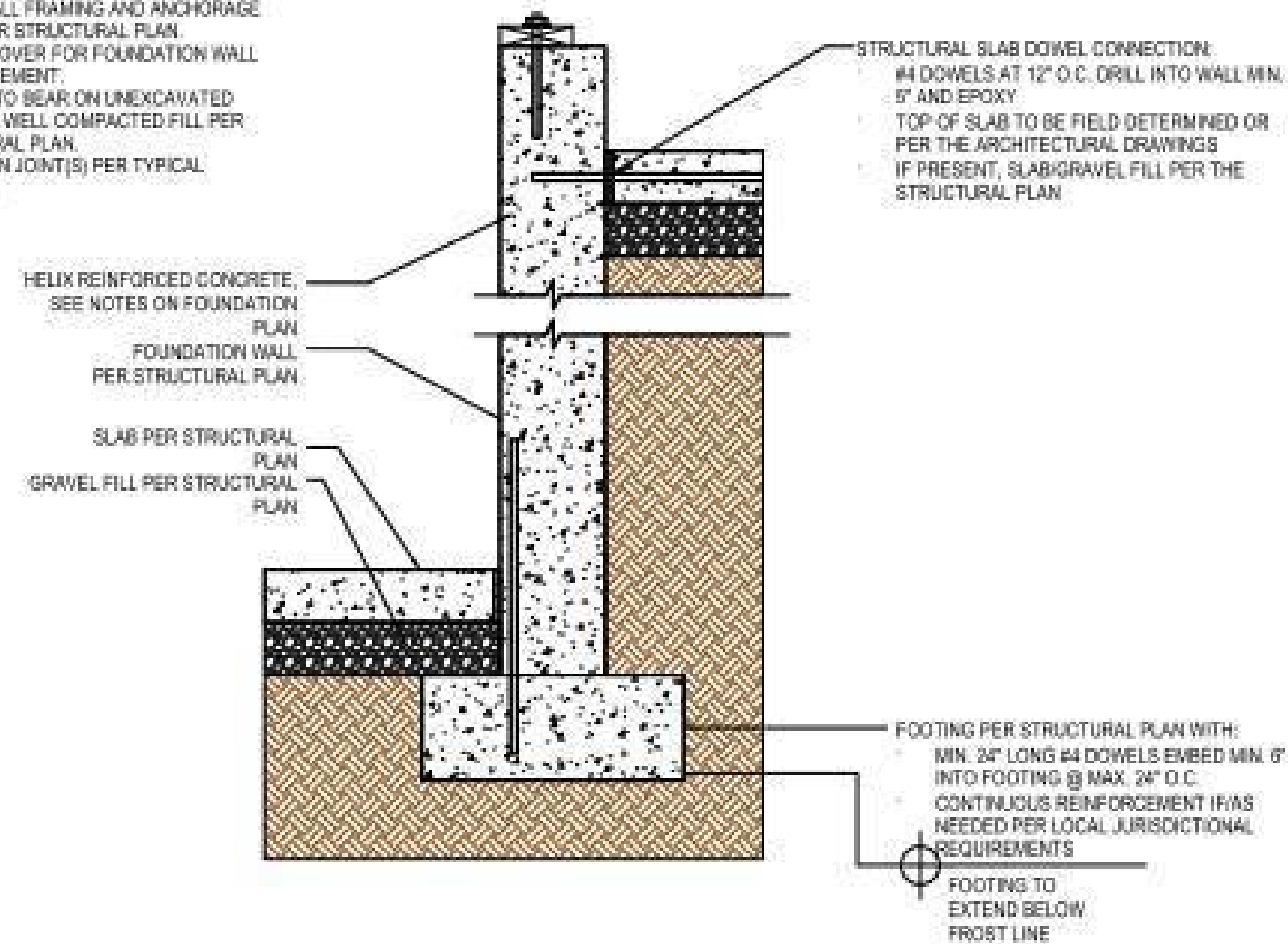


- DETAIL NOTES:
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.
 2. MIN. 3/4" COVER FOR FOUNDATION WALL REINFORCEMENT.
 3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.
 4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.



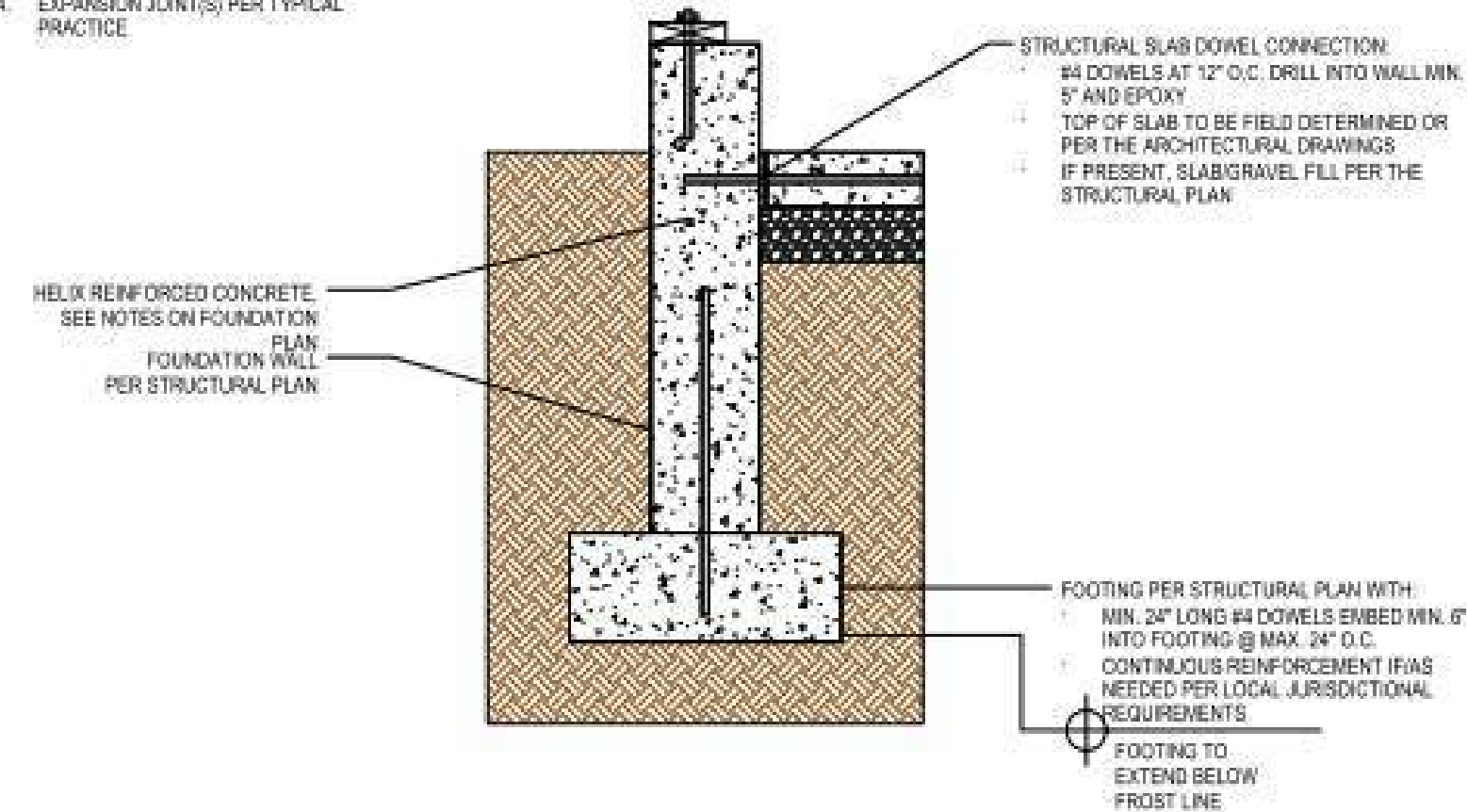
1 TYPICAL FOUNDATION WALL

- DETAIL NOTES:
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.
 2. MIN. 3/4" COVER FOR FOUNDATION WALL REINFORCEMENT.
 3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.
 4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.



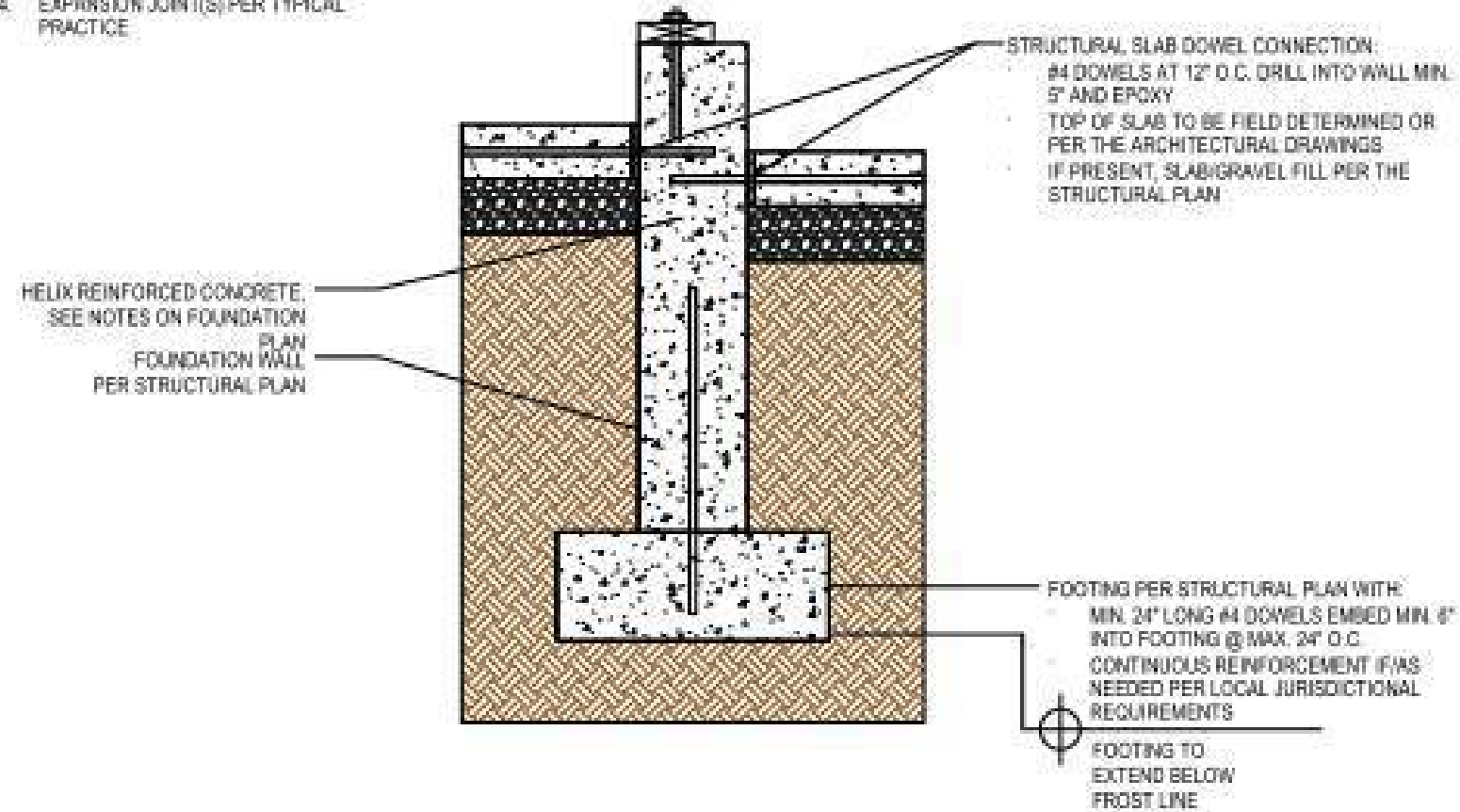
2 TYPICAL FOUNDATION WALL w/ STRUCTURAL SLAB ADJACENT

- DETAIL NOTES:
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.
 2. MIN. 3/4" COVER FOR FOUNDATION WALL REINFORCEMENT.
 3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.
 4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.



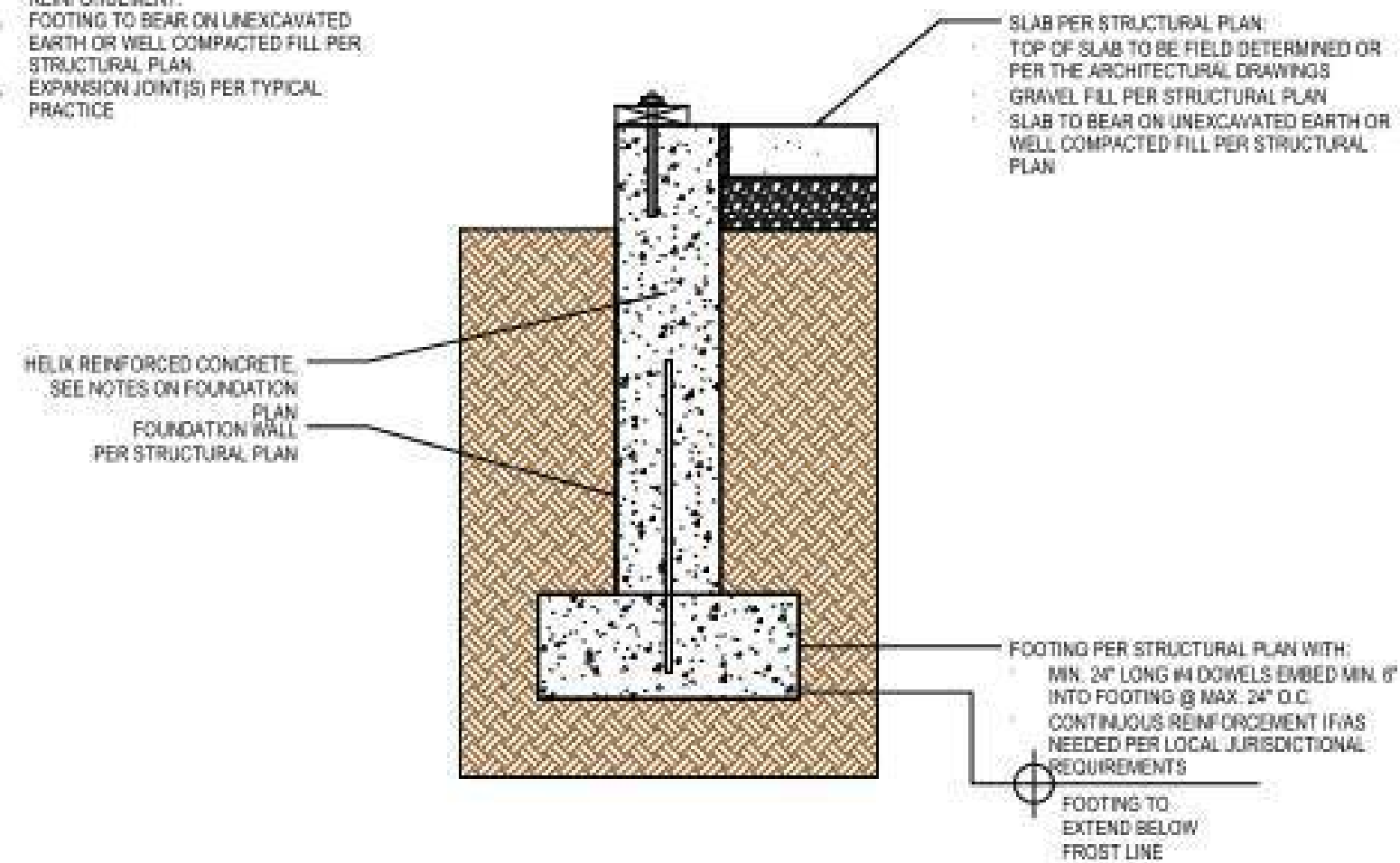
3 TYPICAL STEM WALL w/ STRUCTURAL SLAB ADJACENT

- DETAIL NOTES:
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.
 2. MIN. 3/4" COVER FOR FOUNDATION WALL REINFORCEMENT.
 3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.
 4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.

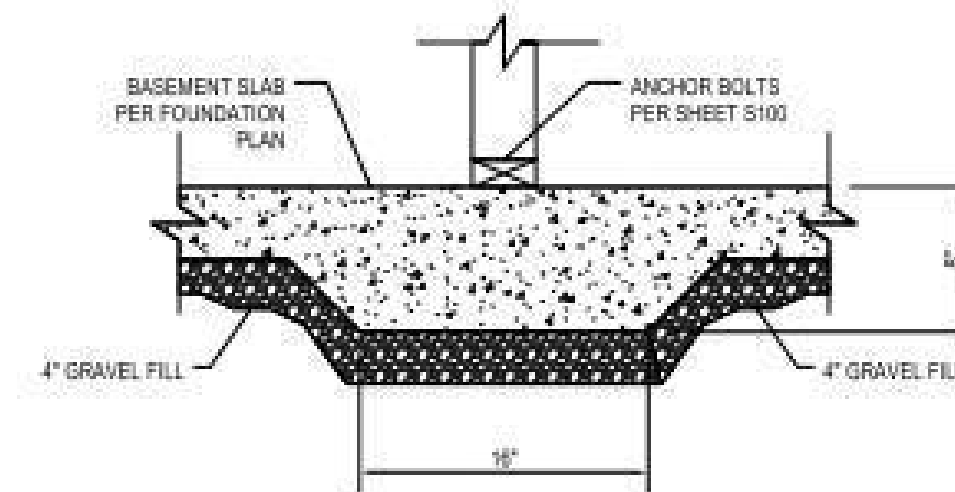


4 TYPICAL STEM WALL w/ MULTIPLE STRUCTURAL LEDGES

- DETAIL NOTES:
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.
 2. MIN. 3/4" COVER FOR FOUNDATION WALL REINFORCEMENT.
 3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.
 4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.

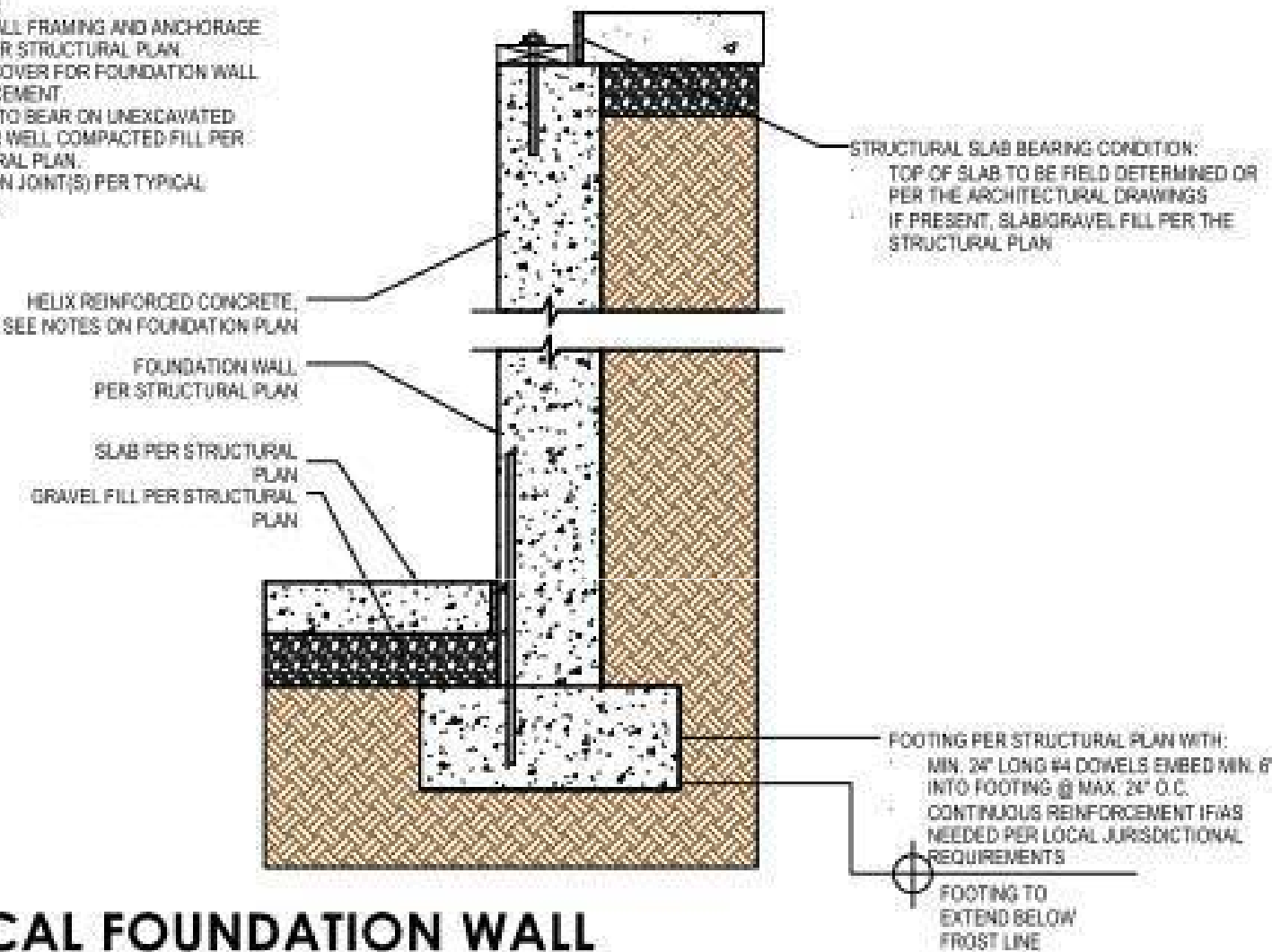


5 TYPICAL STEM WALL w/ SLAB-ON-GRADE ADJACENT



6 TYPICAL THICKENED SLAB

- DETAIL NOTES:
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.
 2. MIN. 3/4" COVER FOR FOUNDATION WALL REINFORCEMENT.
 3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.
 4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.



7 TYPICAL FOUNDATION WALL w/ STRUCTURAL SLAB BEARING ALTERNATIVE

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2018 INTERNATIONAL
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LOCAL CODES.

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

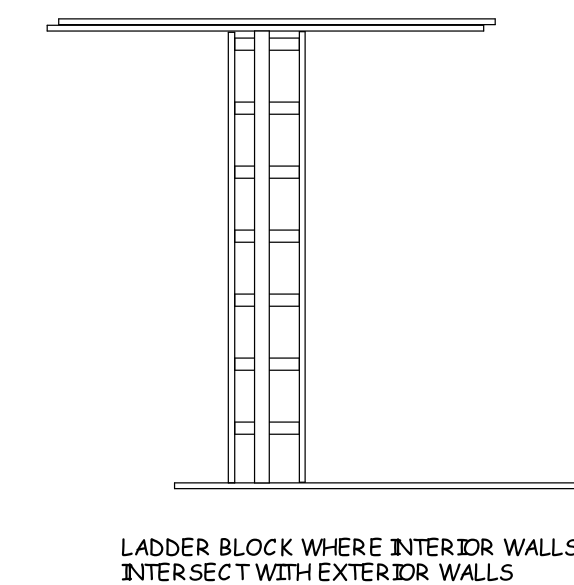
SCALE
1/4" = 1'-0

DATE
12-13-20

PLAN NO.
3322

SHEET NO.
3 OF 6



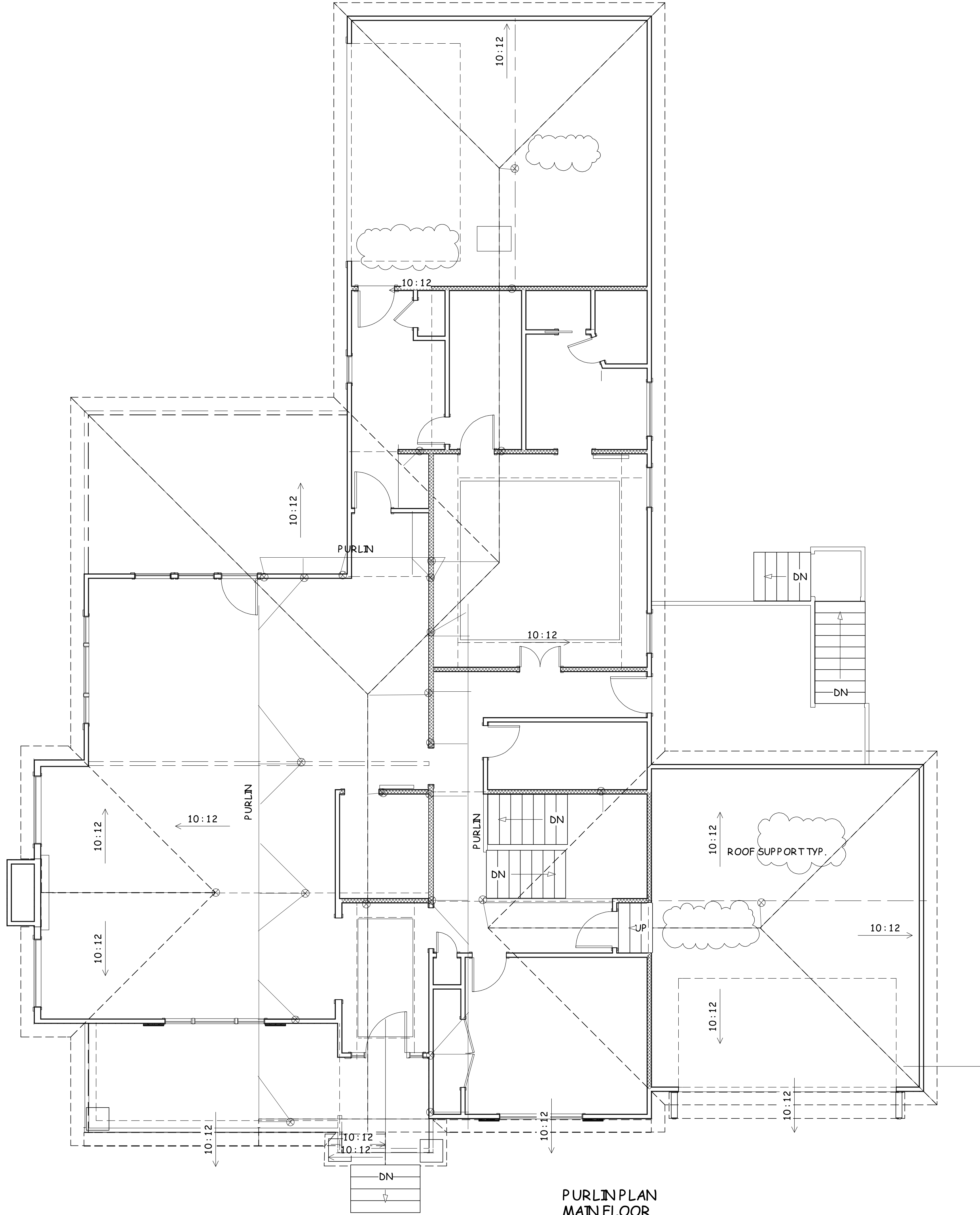
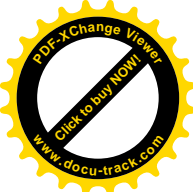


TRUMARK HOMES
BROOKSIDE IV
LOT 95 RESERVE AT WOODSIDE RIDGE
202 NW AMBERSHAM DRIVE
LEE SUMMIT MO

SHEET NO.
4 OF 6

DAVID PAUL AMBROSINI
NUMBER 8-16438
P.E.

David Ambrosini
1-8-21



PURLIN PLAN
MAIN FLOOR

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

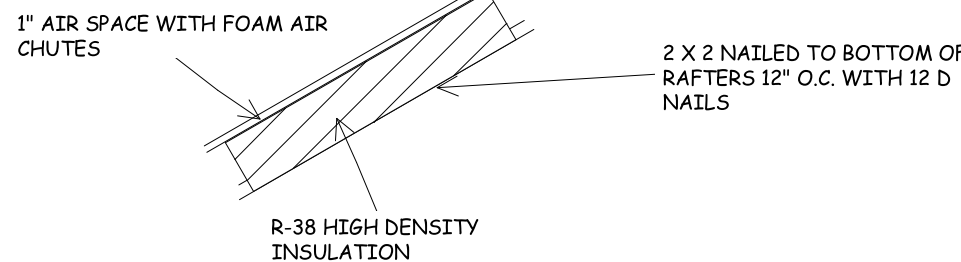
BASEMENT WALLS R-13 CAVITY OR R-10 CONTINUOUS

SLABS SHALL BE R-10 FOR A DEPTH OF 2 FOOT

A WINDOW U FACTOR OF .35 OR BETTER

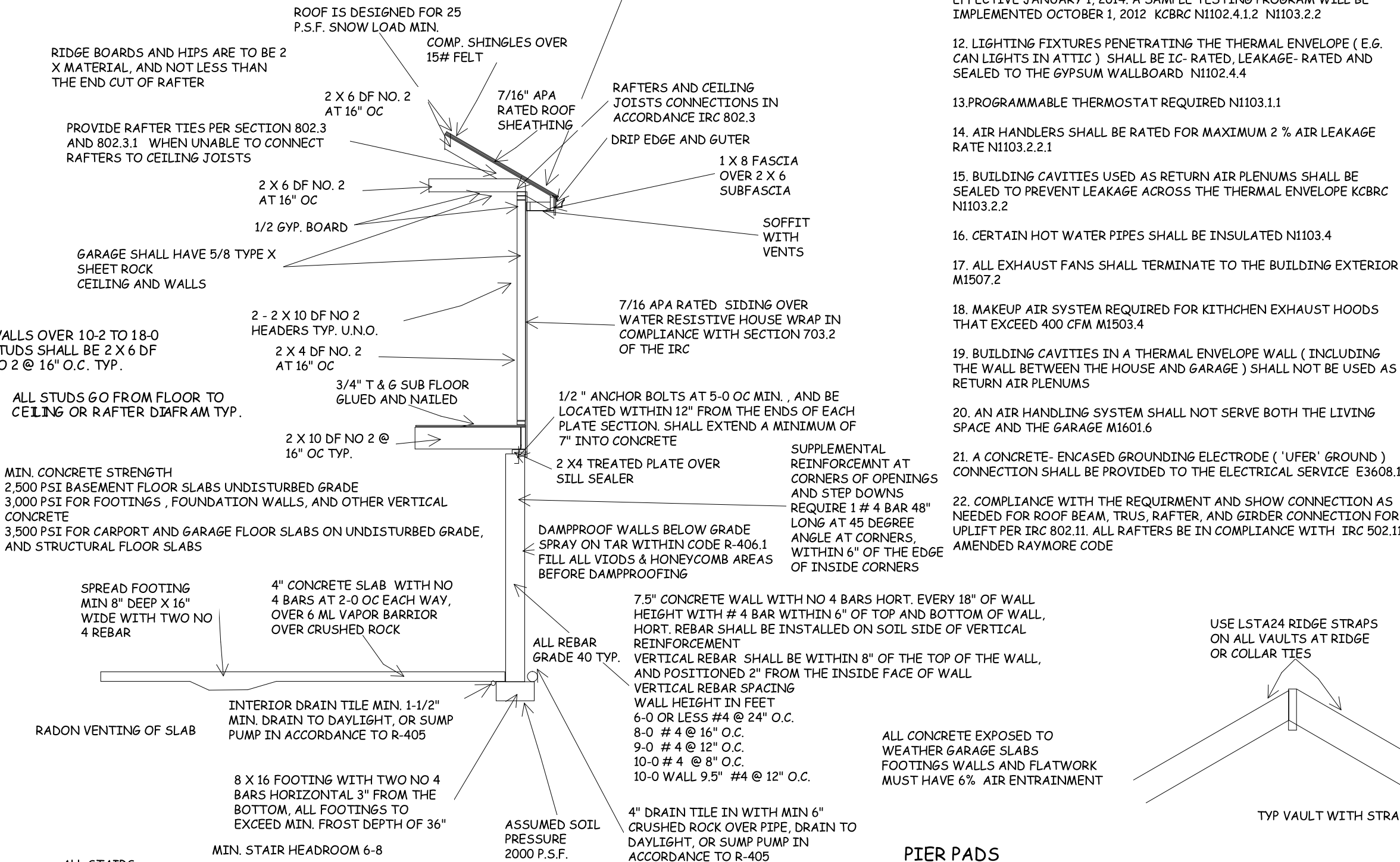
DUCTWORK NEEDS TO HAVE AN R-8 VALUE

VAULT INSULATION DETAIL



INTERCONNECTED HARD WIRED SMOKE
DETECTORS SHALL BE INSTALLED IN EACH
BEDROOM AND OUTSIDE OF EACH BEDROOM
ALL PLUMBING IF EXISTING SHALL BE CAPPED
AND AIR TESTED PRIOR TO ROUGH-IN INSPECTION
FOR LEAK VERIFICATION

ICE & WATER SHIELD REQUIRED ON ALL ROOFS



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

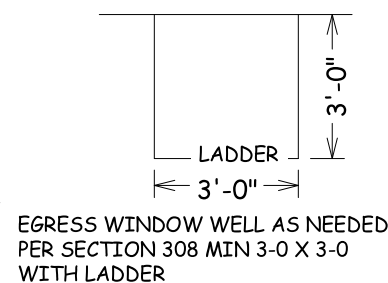
WINDOW EGRESS
REQUIREMENTS

BEDROOM WINDOW EGRESS MINIMUM FOR A DOUBLE HUNG
WINDOW IS 34 INCH CLEAR WIDTH 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.

PIER PADS

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

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



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



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TRUMARK HOMES
BROOKSIDE IV
LOT 95 RESERVE AT WOODSIDE RIDGE
202 NW AMBERSHAM DRIVE
LEE SUMMIT MO

SCALE
1/4" = 1-0

DATE
1-7-21

PLAN NO.
3303

SHEET NO.
5 OF 6

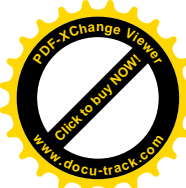


TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED						
EXPOSURE CATEGORY B 30-FOOT MEAN ROOF HEIGHT 10-FOOT WALL HEIGHT 2 BRACED WALL LINES		MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE ^a				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing ^b (feet)	Method LIP ^c	Method GB	Methods DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP, ABW, PPH, PFH, 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

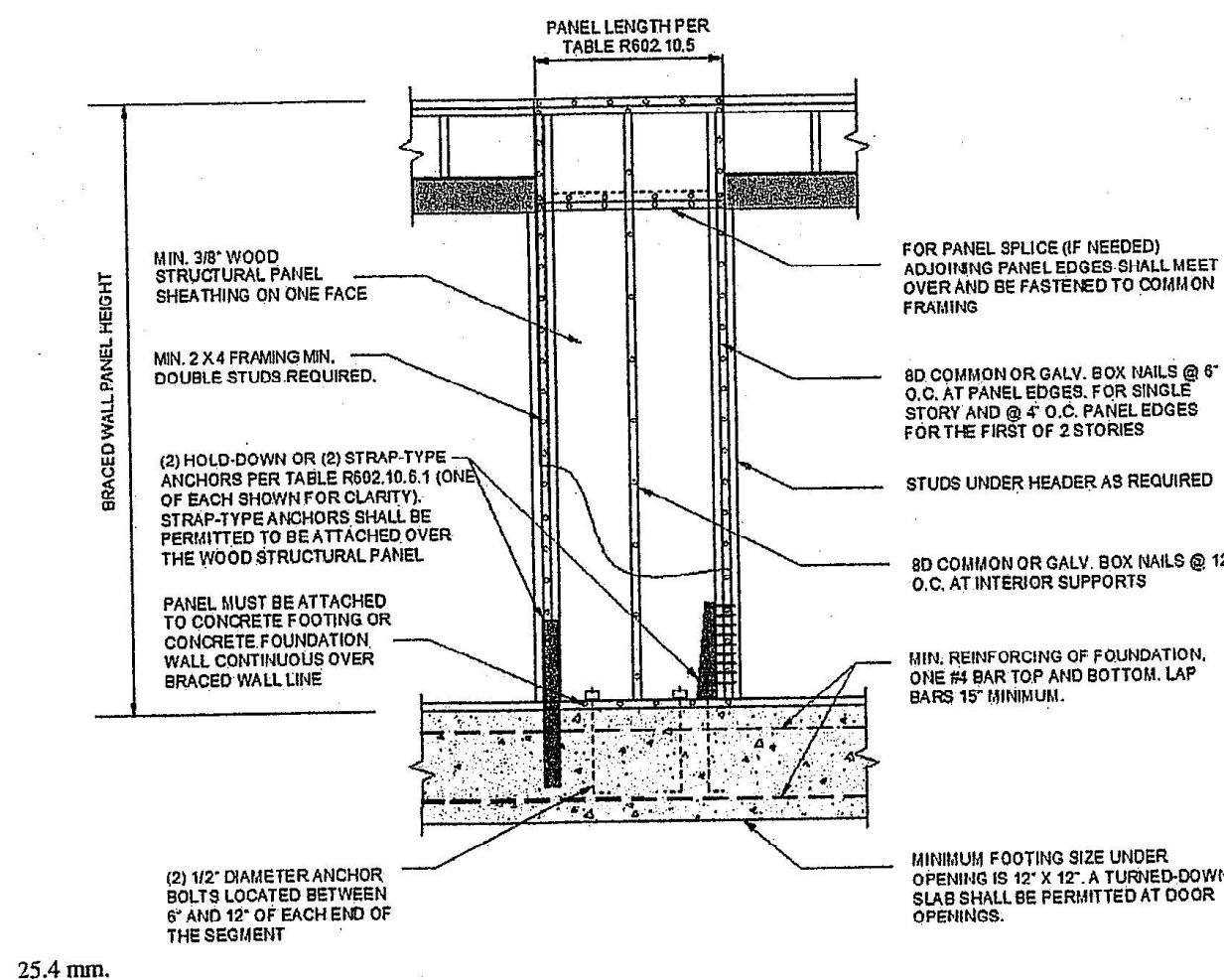
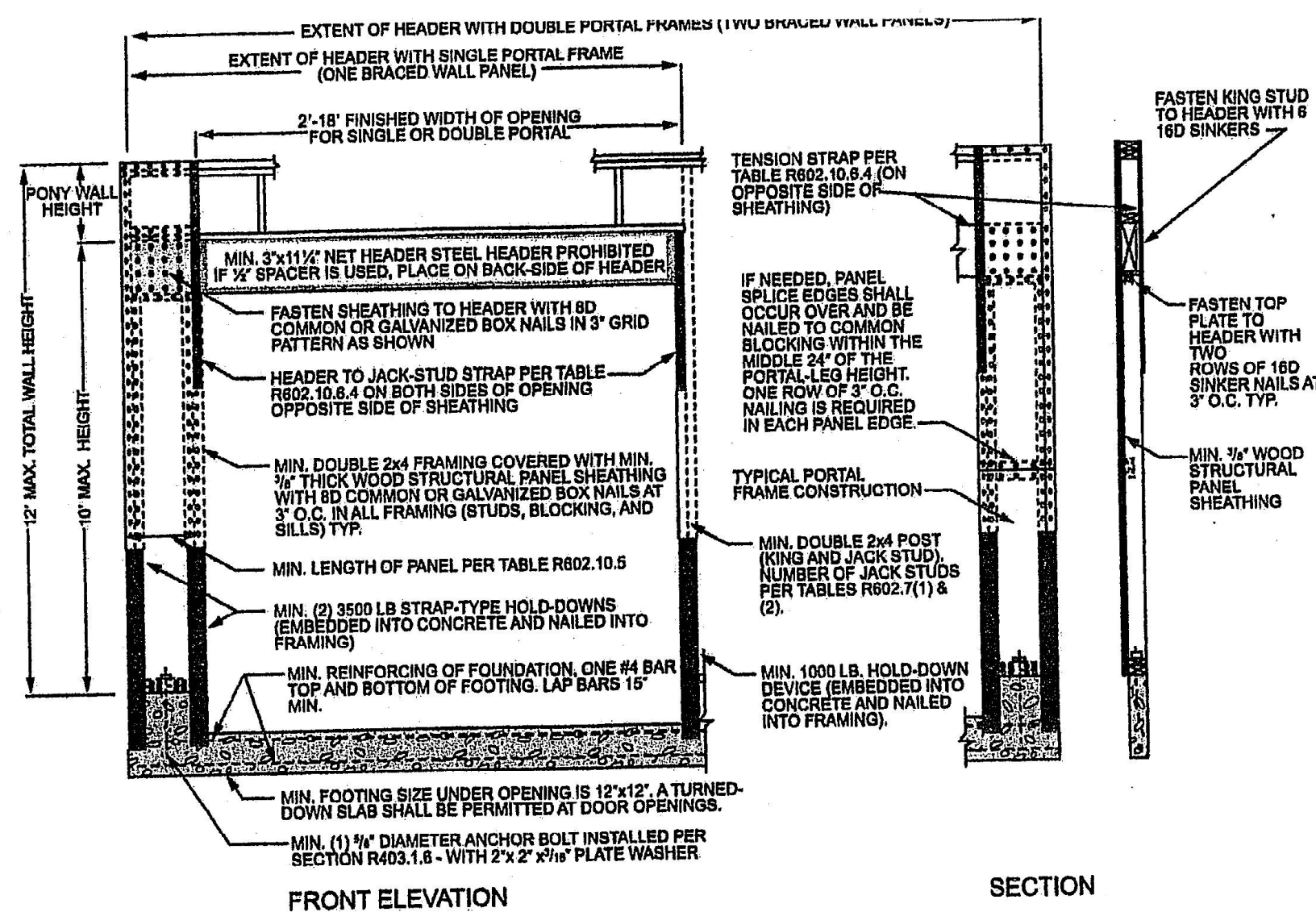


FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL



4 mm, 1 foot = 304.8 mm.

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

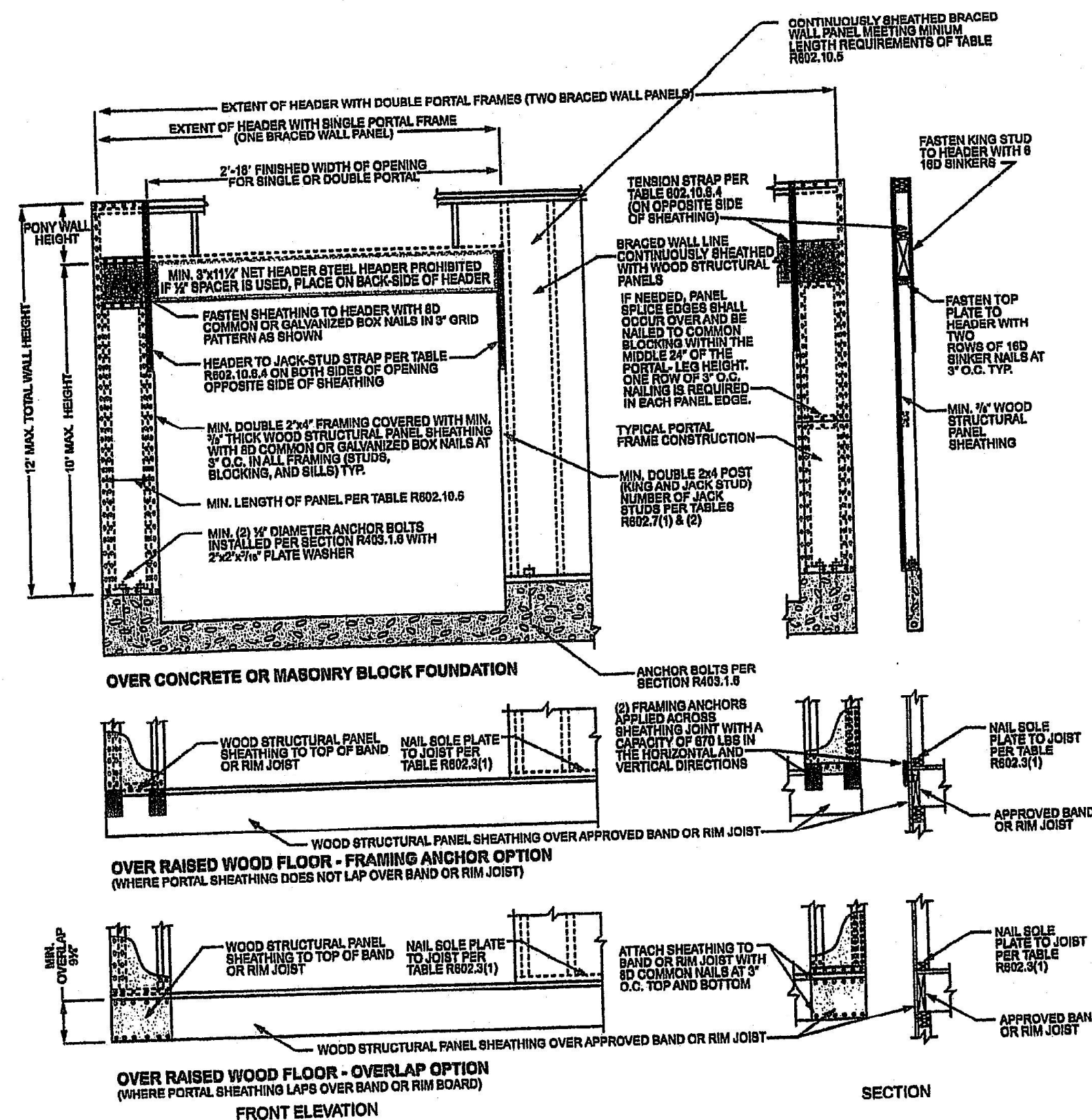
TABLE R602.10.4 BRACING METHODS					
METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a		
			Fasteners	Spacing	
Intermittent Bracing Methods	LIB Let-in-bracing		Wood: 2-8d common nails or 3-8d (2 1/2\"/>	Wood: per stud and top and bottom plates	
	DWB Diagonal wood boards		2-8d (2 1/2\"/>	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\"/>	
	BV-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)		8d common (2 1/2\"/>	4\"/>	
	SFB Structural fiberboard sheathing		1 1/2\"/>	3\"/>	
	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\"/>	
	PBS Particleboard sheathing (See Section R605)		For 1/2\"/>	3\"/>	
	PCP Portland cement plaster		1 1/2\"/>	6\"/>	
	HPS Hardboard panel siding		0.092\"/>	4\"/>	
	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)	Wall Height (inches)	MINIMUM LENGTH ^a (inches)				
		8 feet	9 feet	10 feet	11 feet	12 feet
DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP	48	48	48	48	53	58
GB	48	48	48	48	53	58
LIP	55	62	69	NP	NP	NP
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42
	SDC D ₁ , D ₂ and D ₃ , ultimate design wind speed < 140 mph	32	32	34	NP	NP
CS-G	Adjacent clear opening height (inches)	24	27	30	33	36
CS-WSP, CS-SFB	≤ 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	33	32	32	33	36
	88	38	35	33	33	36
	92	43	37	35	33	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	—	—	—	—	63
	140	—	—	—	—	66
	144	—	—	—	—	72
METHOD (See Table R602.10.4)	Portal header height	8 feet	9 feet	10 feet	11 feet	12 feet
	Supporting roof only	16	16	16	Note c	Note c
PPH	Supporting one story and roof	24	24	24	Note c	Note c
PFH		24	27	30	Note d	Note d
CS-PF	SDC A, B and C	16	18	20	Note e	Note e
	SDC D ₁ , D ₂ and D ₃	16	18	20	Note e	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 when it is greater than or equal to the minimum length.
c. Maximum header height for PPH 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 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.
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 ^a		
			Fasteners	Spacing	
Intermittent Bracing Methods	PFH Portal frame with hold-downs		See Section R602.10.6.2	See Section R602.10.6.2	
	PFH Portal frame at garage		See Section R602.10.6.3	See Section R602.10.6.3	
Continuous Sheathing Methods	CS-WSP Continuously sheathed wood structural panel		Exterior sheathing per Table R602.3(3) Interior sheathing per Table R602.3(1) or R602.3(2)	6\"/>	
	CS-G ^b Continuously sheathed wood structural panel adjacent to garage openings		See Method CS-WSP	See Method CS-WSP	
	CS-PF ^c Continuously sheathed portal frame		See Section R602.10.6.4	See Section R602.10.6.4	
	CS-SFB ^d Continuously sheathed structural fiberboard		1 1/2\"/>	3\"/>	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.88 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, D₁, D₂, and D₃.
b. Applies to panels next to garage door opening where supporting gable end wall or roof truss only. Shall only be used on one wall of the garage. In Seismic Design Categories D₁, D₂, and D₃ 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 D₁, D₂, and D₃.
e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D₁ through D₃ 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



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LOCAL CODES.

TRUMARK HOMES
BROOKSIDE IV
LOT 95 RESERVE AT WOODSIDE RIDGE
202 NW AMBERSHAM DRIVE
LEE SUMMIT MO

SCALE
1/4" = 1-0

DATE
1-7-21

PLAN NO.
3303

SHEET NO.

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