

ROOF PLAN
1/8" = 1'-0"
SIDE TO SIDE 9/12
FRONT TO BACK 8/12
RAFTERS 2 X 6 DF NO 2 @ 16" OC
HP'S AND RIDGES 2 X 8 DF NO 2

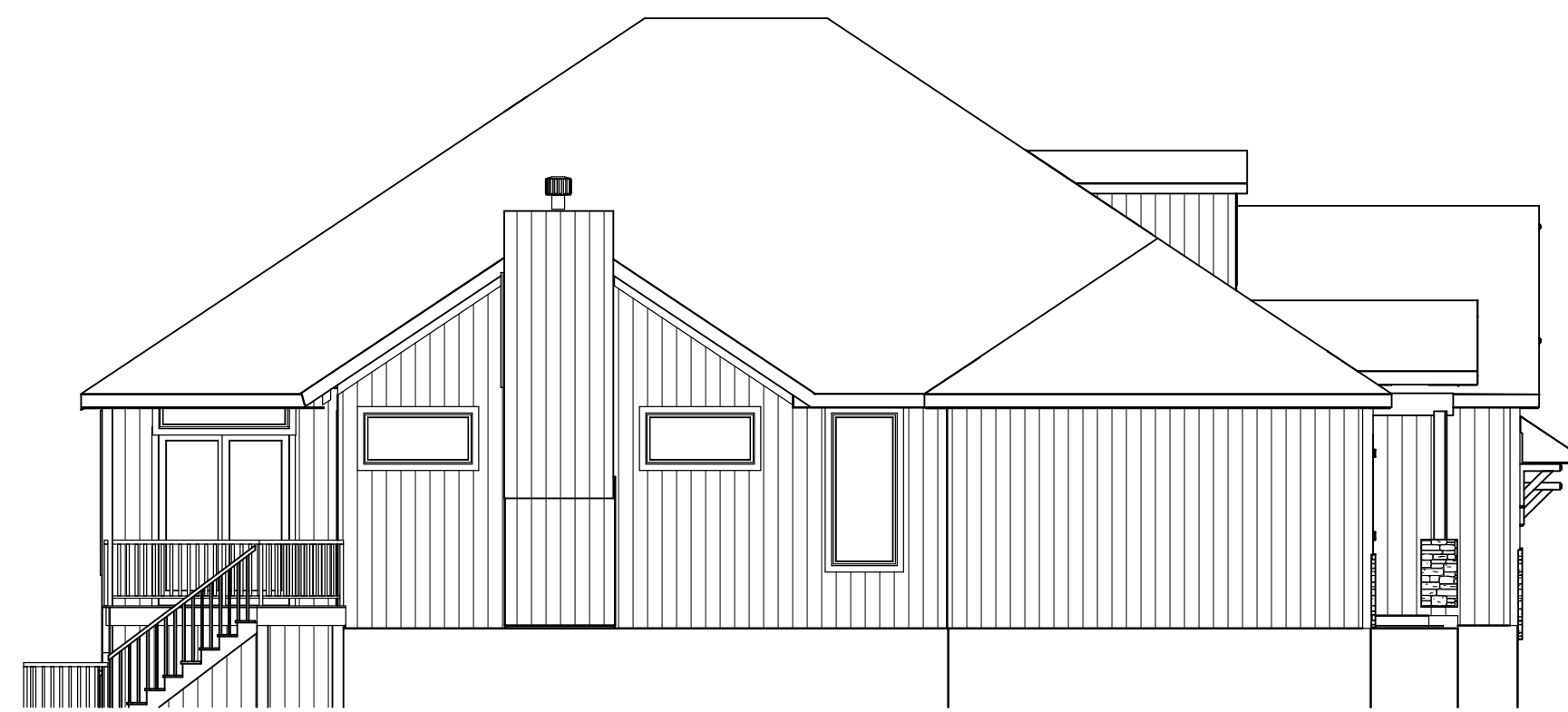


FRONT EL.
STUCCO AND STONE



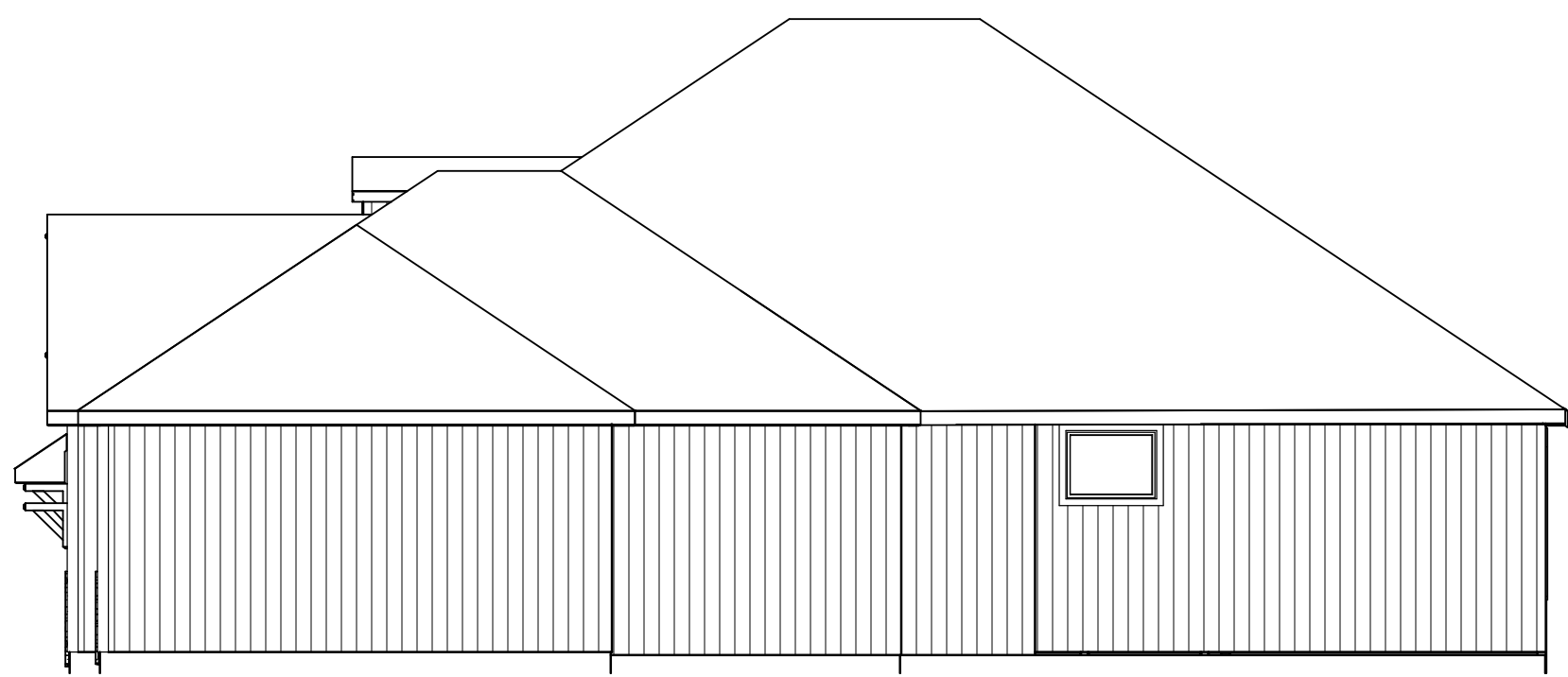
REAR EL.
1/8" = 1'-0"

TYPICAL WALL HEIGHTS 10'-1"



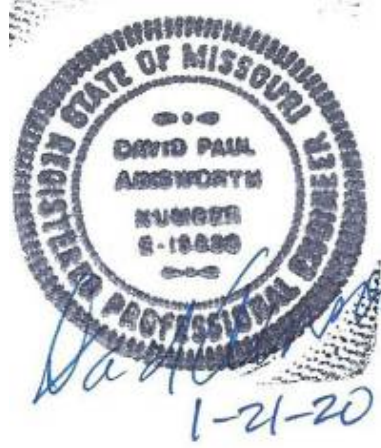
LEFT EL.
1/8" = 1'-0"

3 SIDES LP PANEL SIDING



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

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
01/25/2021



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

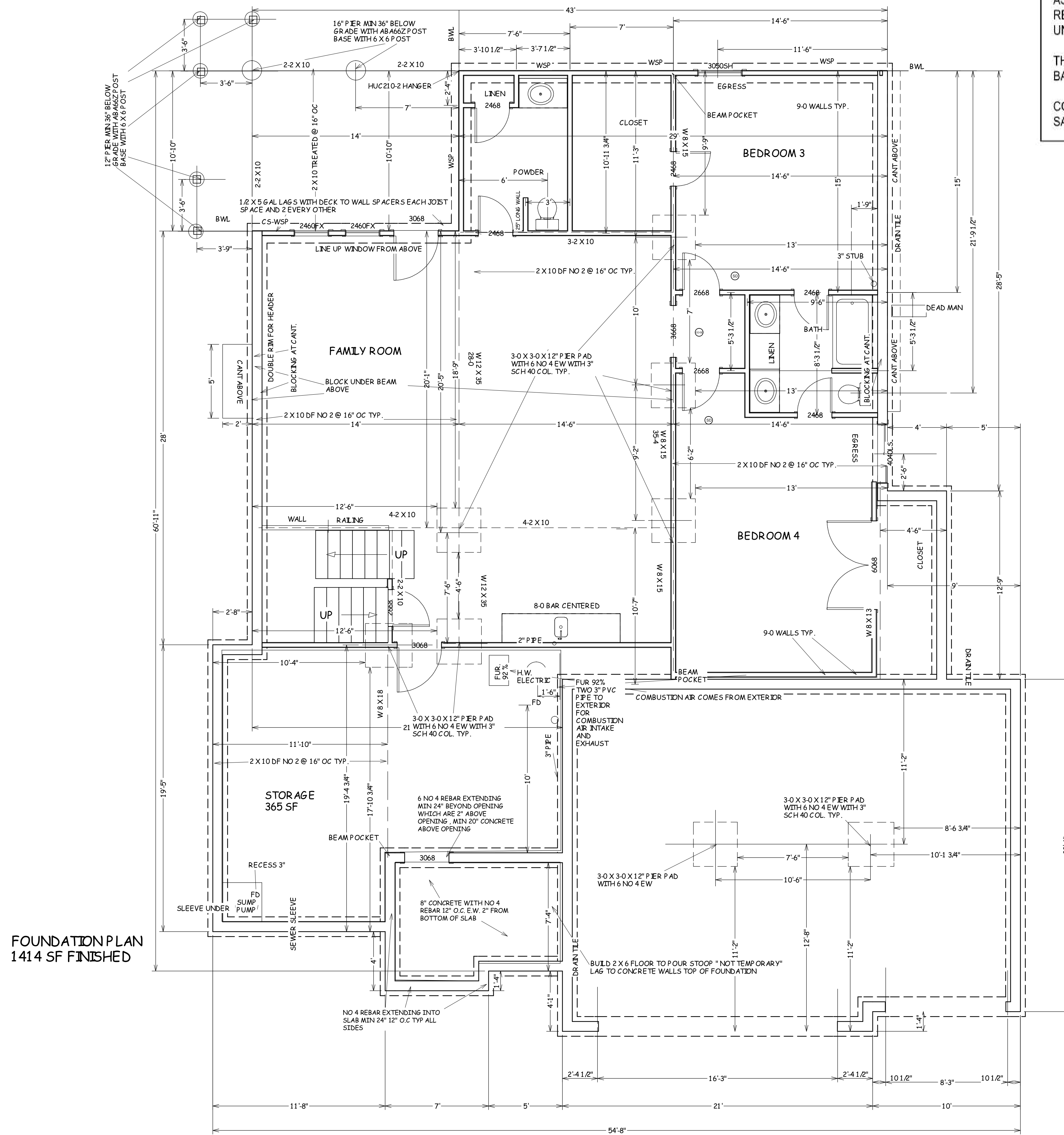
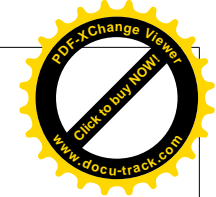
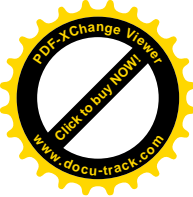
TRUMARK HOMES
KYLE VIII
LOT 98 RESERVE AT WOODSIDE RIDGE
138 NW AMBERSHAM DRIVE
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

DATE
1-21-21

PLAN NO.
3273

SHEET NO.
1 OF 6



ALTERNATIVE FOUNDATION WALL REINFORCEMENT NOTES:

AS AN ALTERNATIVE TO THE BASEMENT FOUNDATION WALL HORIZONTAL AND VERTICAL REINFORCEMENT, PROVIDE 9 lb/yd³ OF HELIX 5-25 DESIGNED IN ACCORDANCE WITH UNIFORM ES ER-0279.

THE HELIX ALTERNATE ALSO REQUIRES COUNTERFORTS TO BE INSTALLED AT BASEMENT WALLS LONGER THAN 16' AT 16' O.C. PER DETAIL 2, SHEET S103.

CONTACT HELIX FOR PRICING, DELIVERY, AND INSTALLATION AT 734-322-2144 x1 OR SALES @HELIXSTEEL.COM

TRUMARK HOMES
KYLE VIII
LOT 98 RESERVE AT WOODSIDE RIDGE
138 NW AMBERSHAM DRIVE
LEE SUMMIT MO

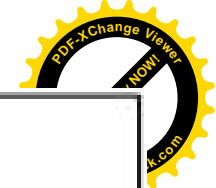
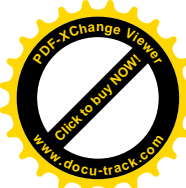
SCALE
1/4" = 1-0

DATE
1-21-21

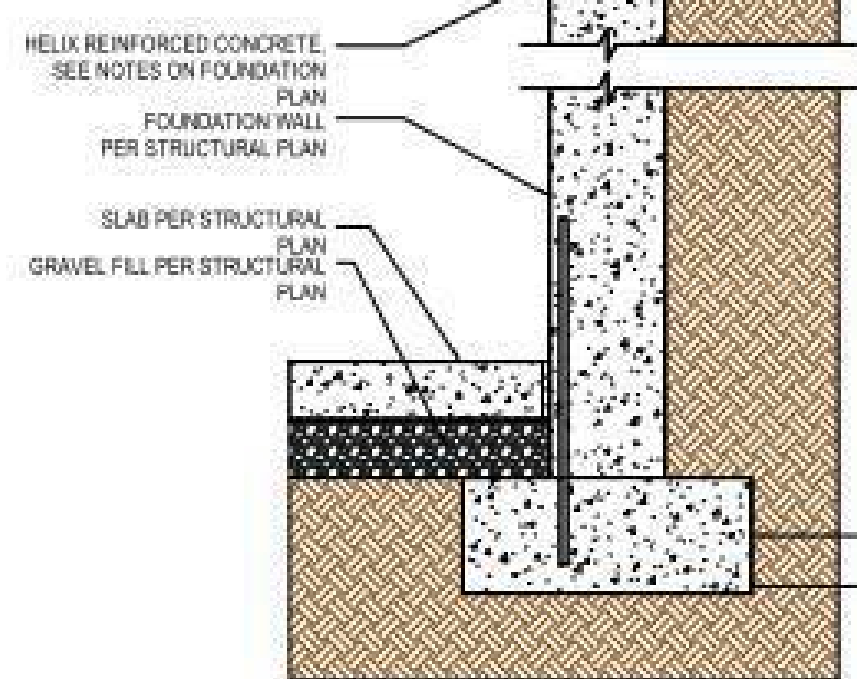
PLAN NO.
3273

SHEET NO.
2 OF 6



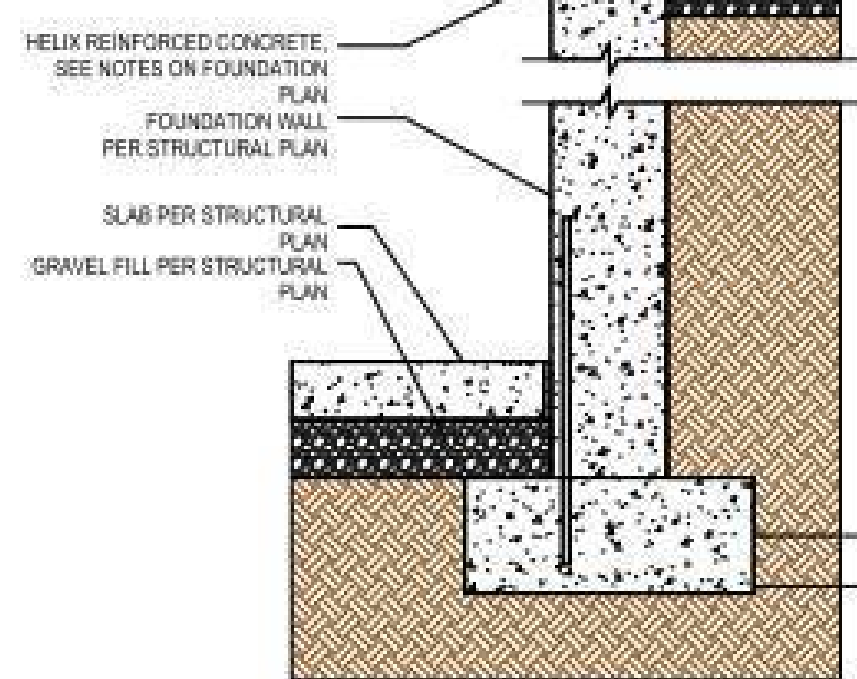


- DETAIL NOTES:
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.
 2. MIN. 3/4" COVER FOR FOUNDATION WALL REINFORCEMENT.
 3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.
 4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.



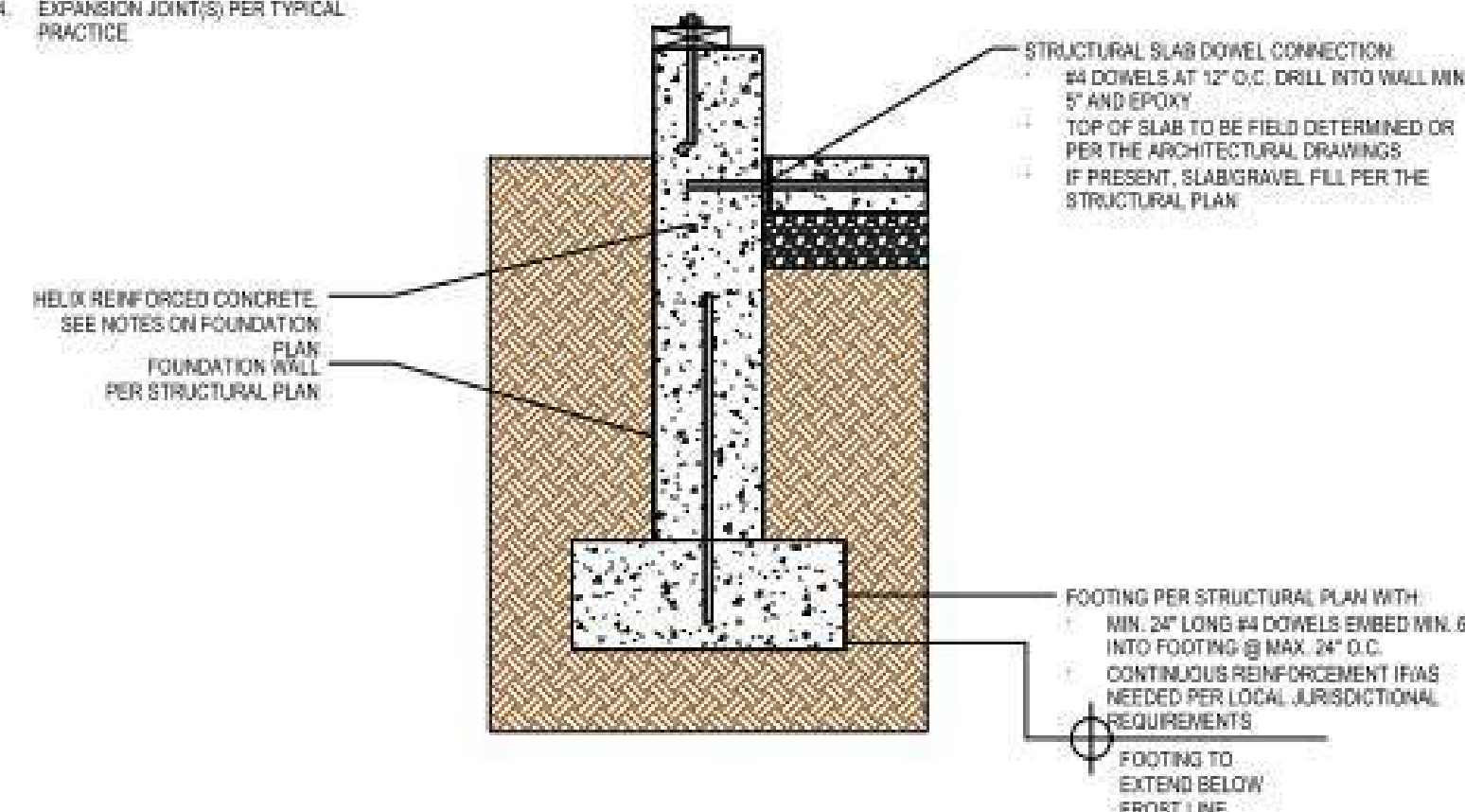
1 TYPICAL FOUNDATION WALL

- 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.



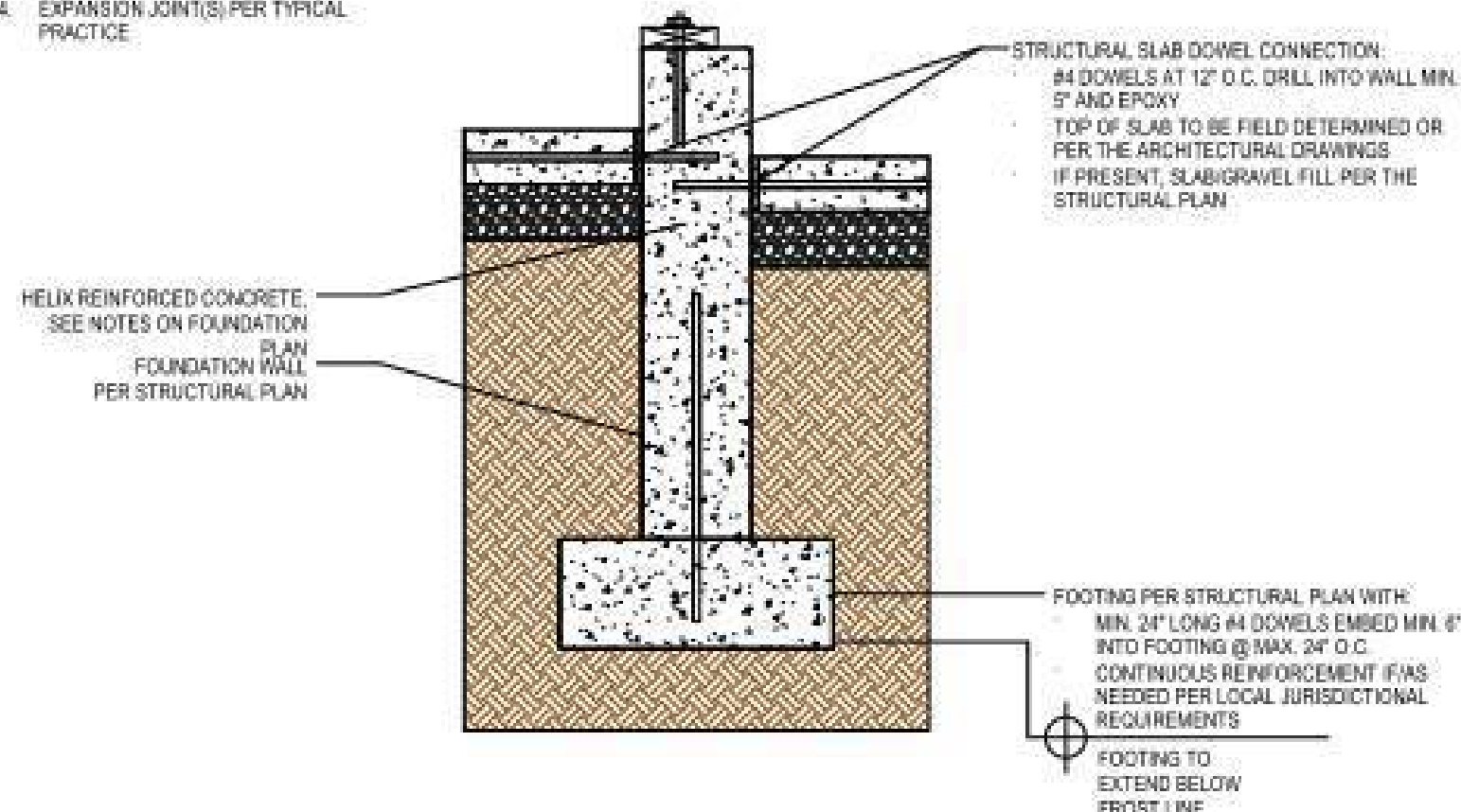
2 TYPICAL FOUNDATION WALL w/ STRUCTURAL SLAB ADJACENT

- 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.



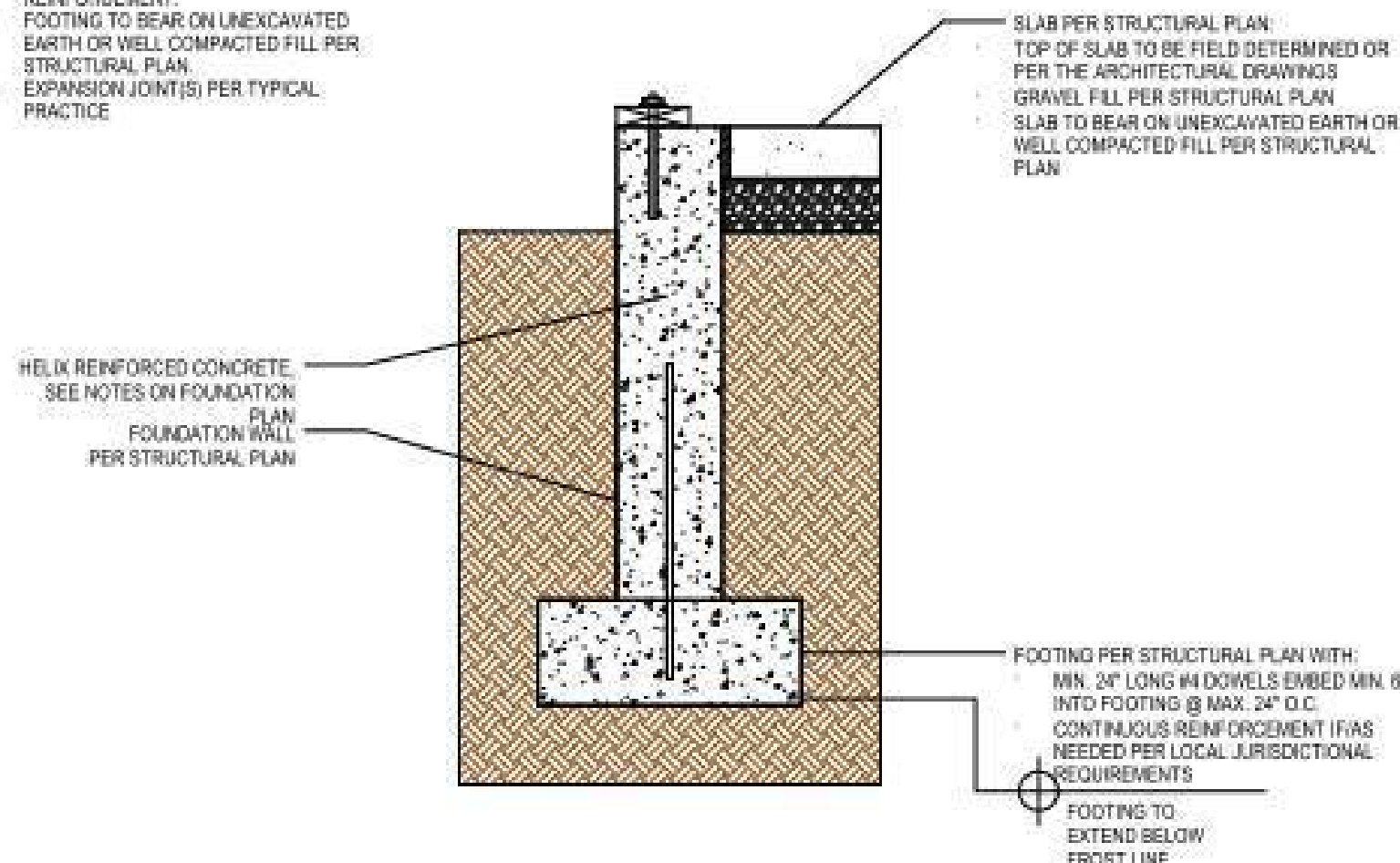
3 TYPICAL STEM WALL w/ STRUCTURAL SLAB ADJACENT

- 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.

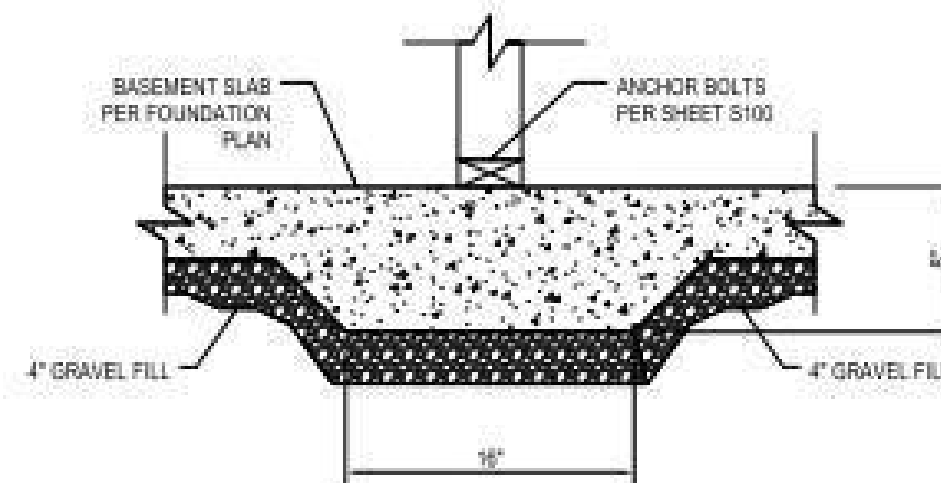


4 TYPICAL STEM WALL w/ MULTIPLE STRUCTURAL LEDGES

- 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.

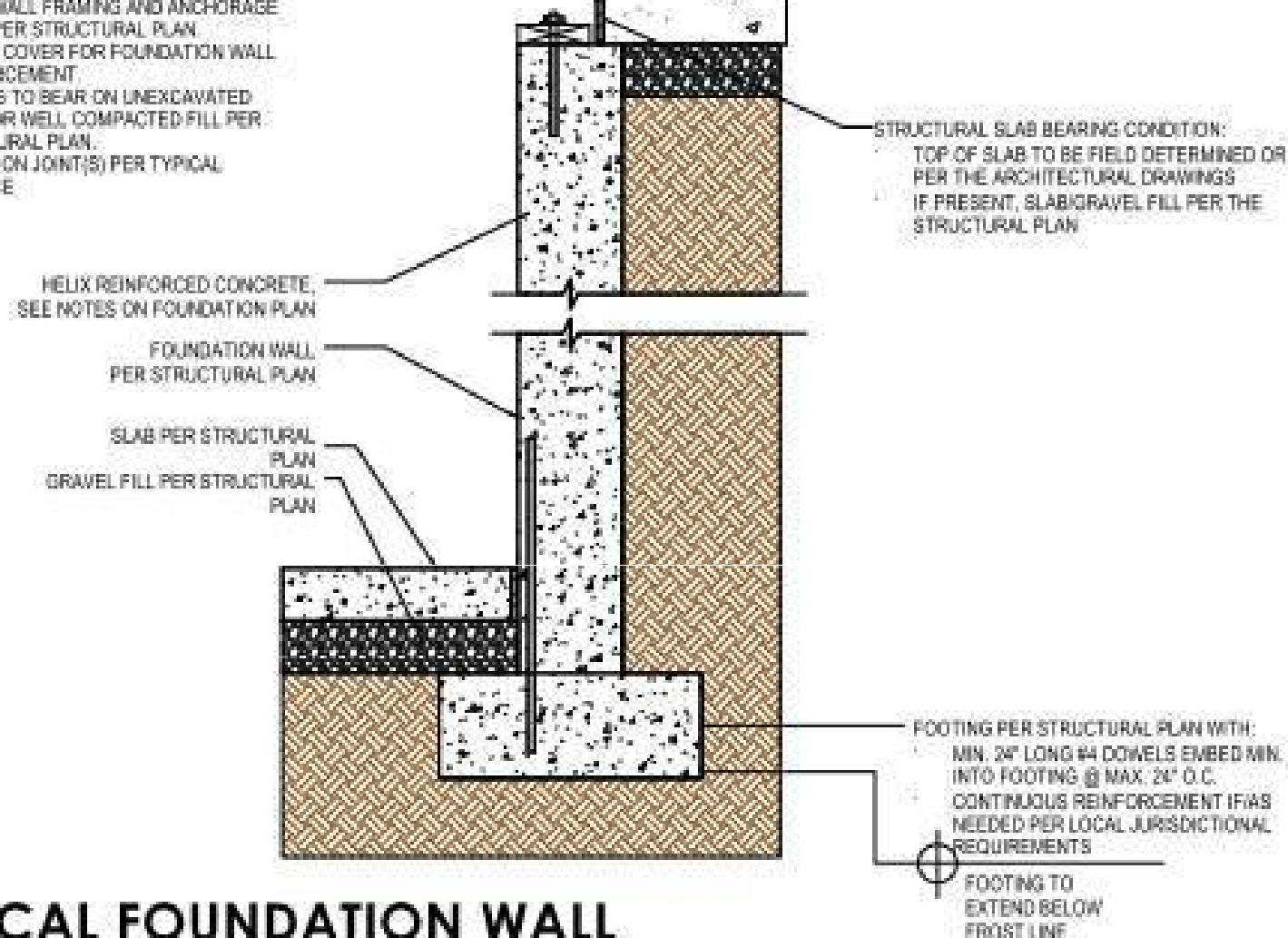


5 TYPICAL STEM WALL w/ SLAB-ON-GRADE ADJACENT



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

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

TRUMARK HOMES
KYLE VIII
LOT 98 RESERVE AT WOODSIDE RIDGE
138 NW AMBER SHAM DRIVE
LEE SUMMIT MO

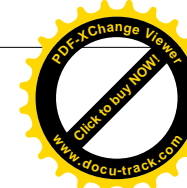
SCALE
1/4" = 1'-0

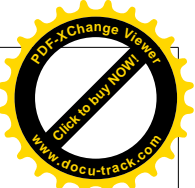
DATE
1-21-21



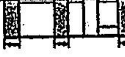
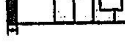
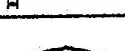
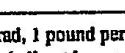
PLAN NO.
3273

SHEET NO.
3 OF 6

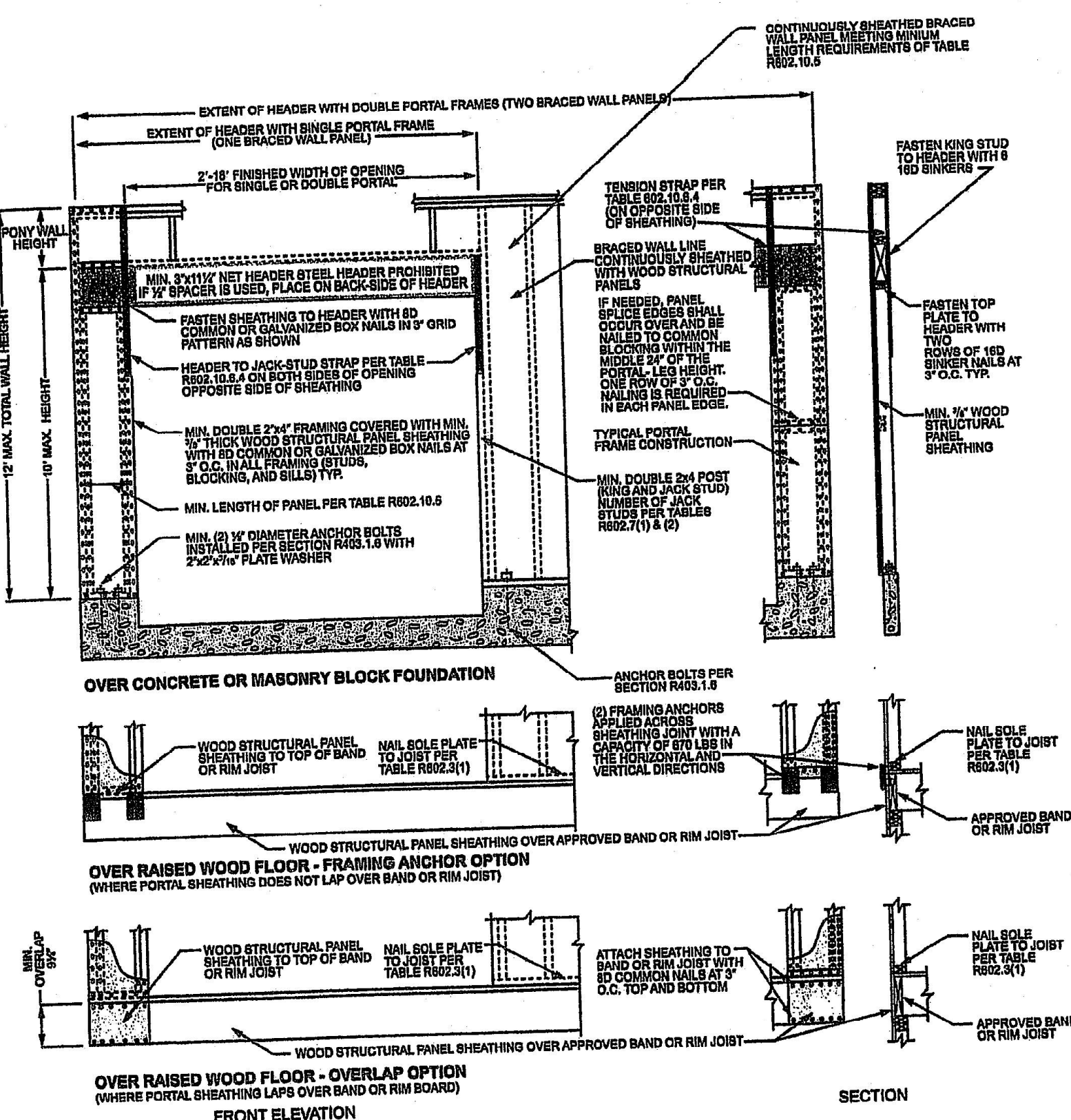






METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a	
				Fasteners	Spacing
Intermittent Bracing Methods	PFH Portal frame with hold-downs	1/4"		See Section R602.10.6.2	See Section R602.10.6.2
	PPG Portal frame at garage	7/16"		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	CS-WSP Continuously sheathed wood structural panel	3/8"		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 ^{b,c} Continuously sheathed wood structural panel adjacent to garage openings	3/8"		See Method CS-WSP	See Method CS-WSP
	CS-F ^b Continuously sheathed portal frame	7/16"		See Section R602.10.6.4	See Section R602.10.6.4
	CS-SFB ^b Continuously sheathed structural fiberboard	1/4" or 3/4" ^b for maximum 16" stud spacing		1 1/2" long x 0.12" dia. (for 1/4" thick sheathing) 1 1/2" long x 0.12" dia. (for 3/4" thick sheathing) galvanized roofing nails	3" edges 6" field

METHOD (See Table B602.10.4)		MINIMUM LENGTH ^a (inches)					CONTRIBUTING LENGTH (inches)
		Wall Height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, PBS, PCF, HPS, BV-WSP	GB	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 ^b
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48
	SDC D ₁ , D ₂ and D ₃ , 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	—	—	—	—	66		
144	—	—	—	—	72		
METHOD (See Table B602.10.4)		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	
PFH		24	27	30	Note d	Note d	1.5 × Actual ^b
		24	27	30	Note d	Note d	
CS-PF	SDC A, B and C	16	18	20	Note e	Note e	1.5 × Actual ^b
	SDC D ₁ and D ₂	16	18	20	Note e	Note e	



Seal of the State of Missouri Registered Professional Engineer. The seal is circular with "STATE OF MISSOURI" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom. In the center, it reads "DAVID PAUL ARMSTRONG", "NUMBER", and "8-1988". There are handwritten signatures and the date "1-21-20" over the seal.