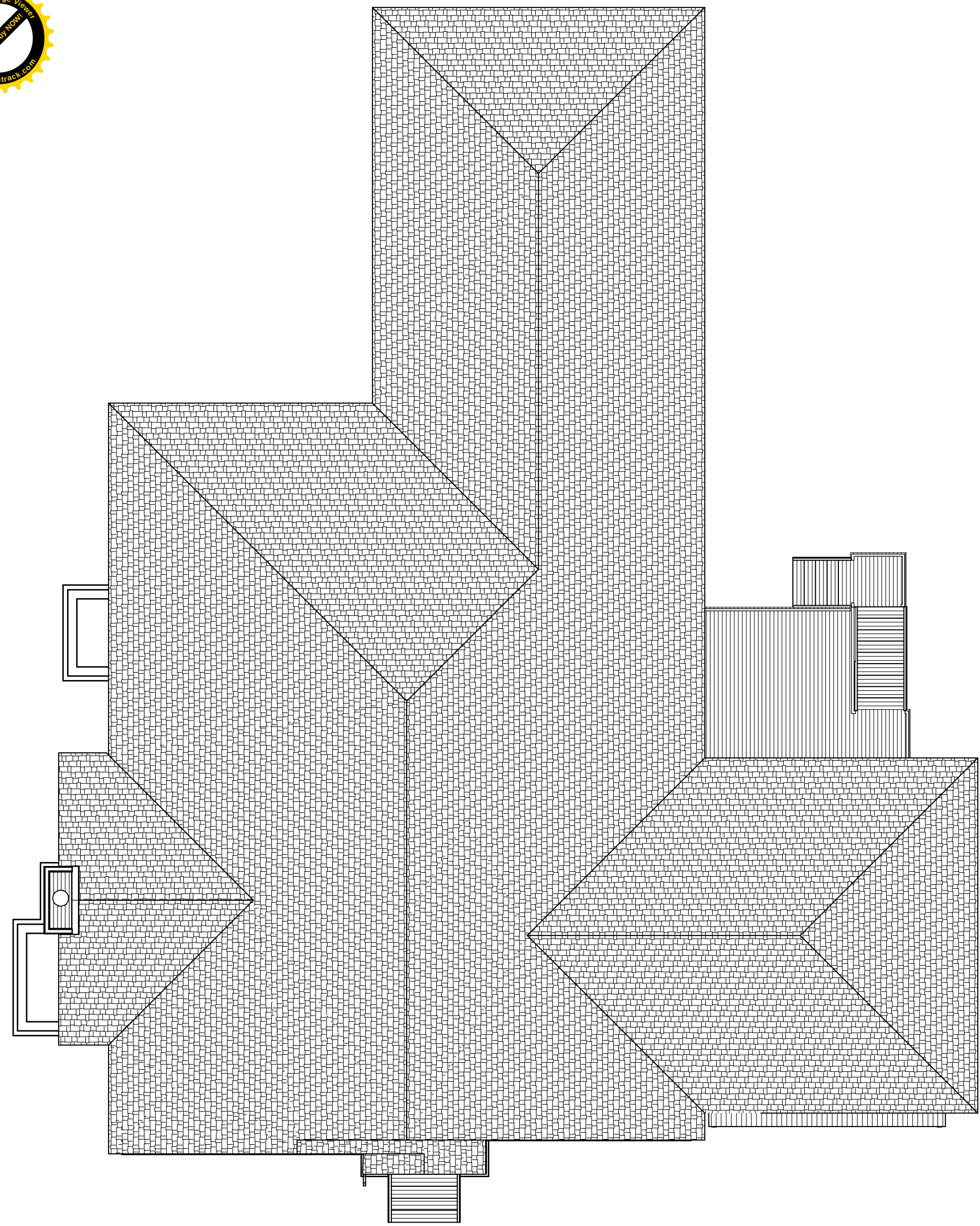
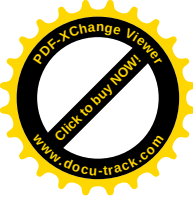


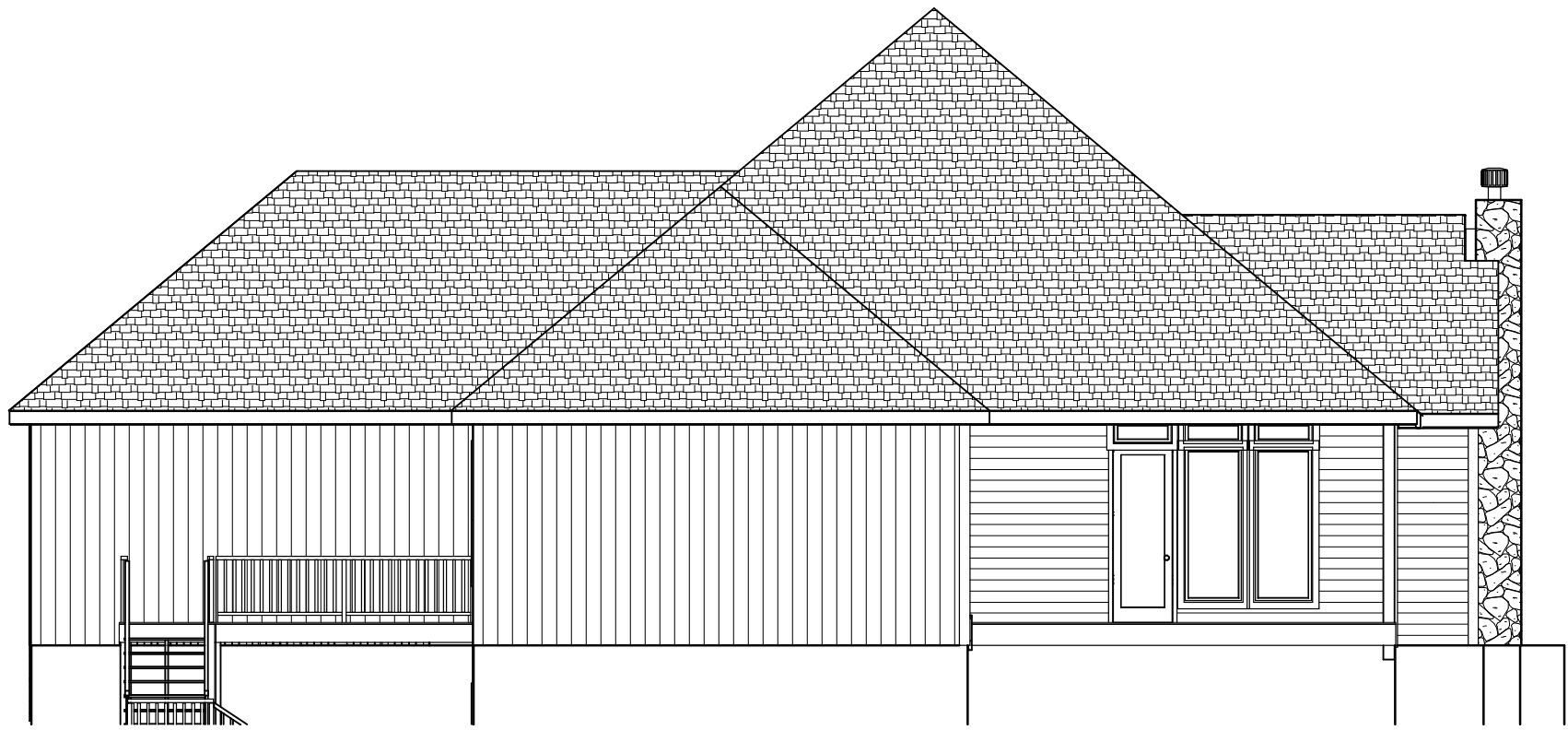


ROOF PLAN
1/8" = 1'-0"
ROOF PITCHES 10/12

RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.
HP'S AND RIDGES 2 X 8 DF NO 2



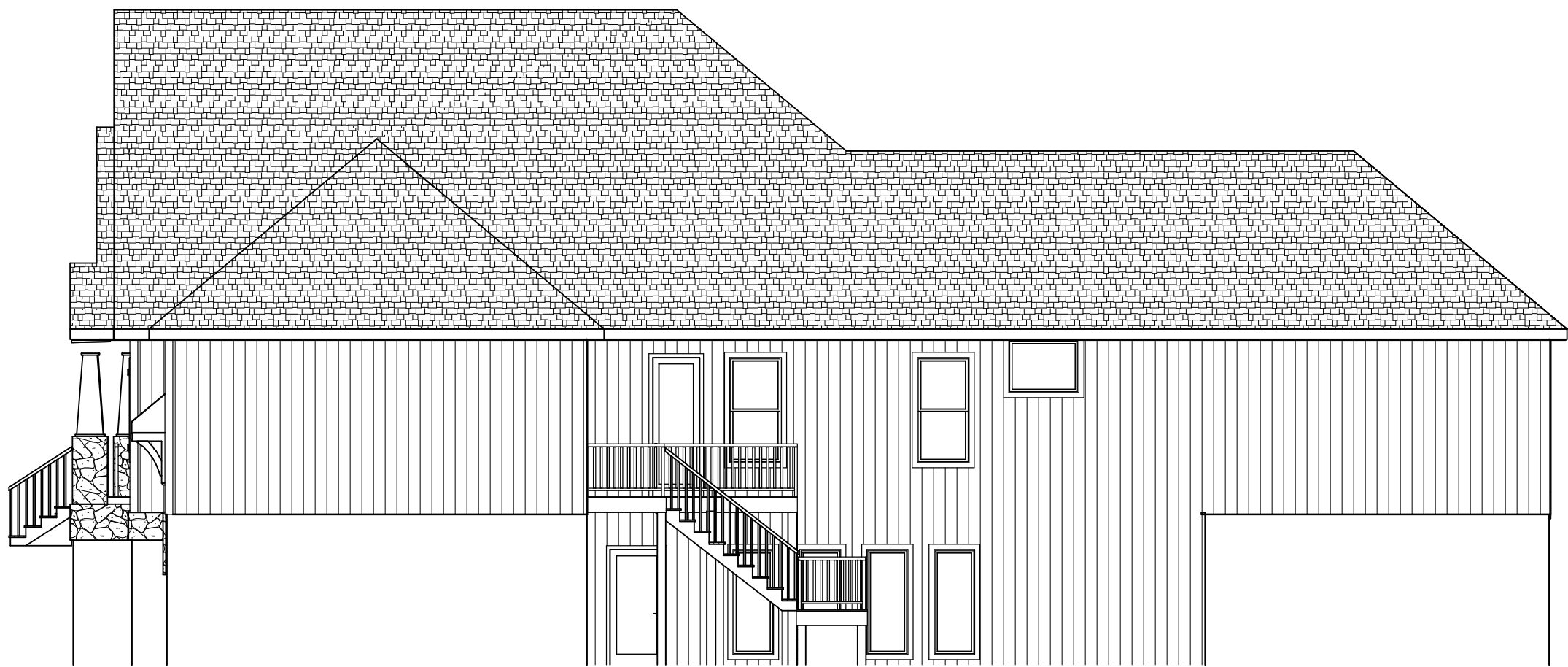
FRONT EL.
STUCCO AND STONE



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



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



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



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

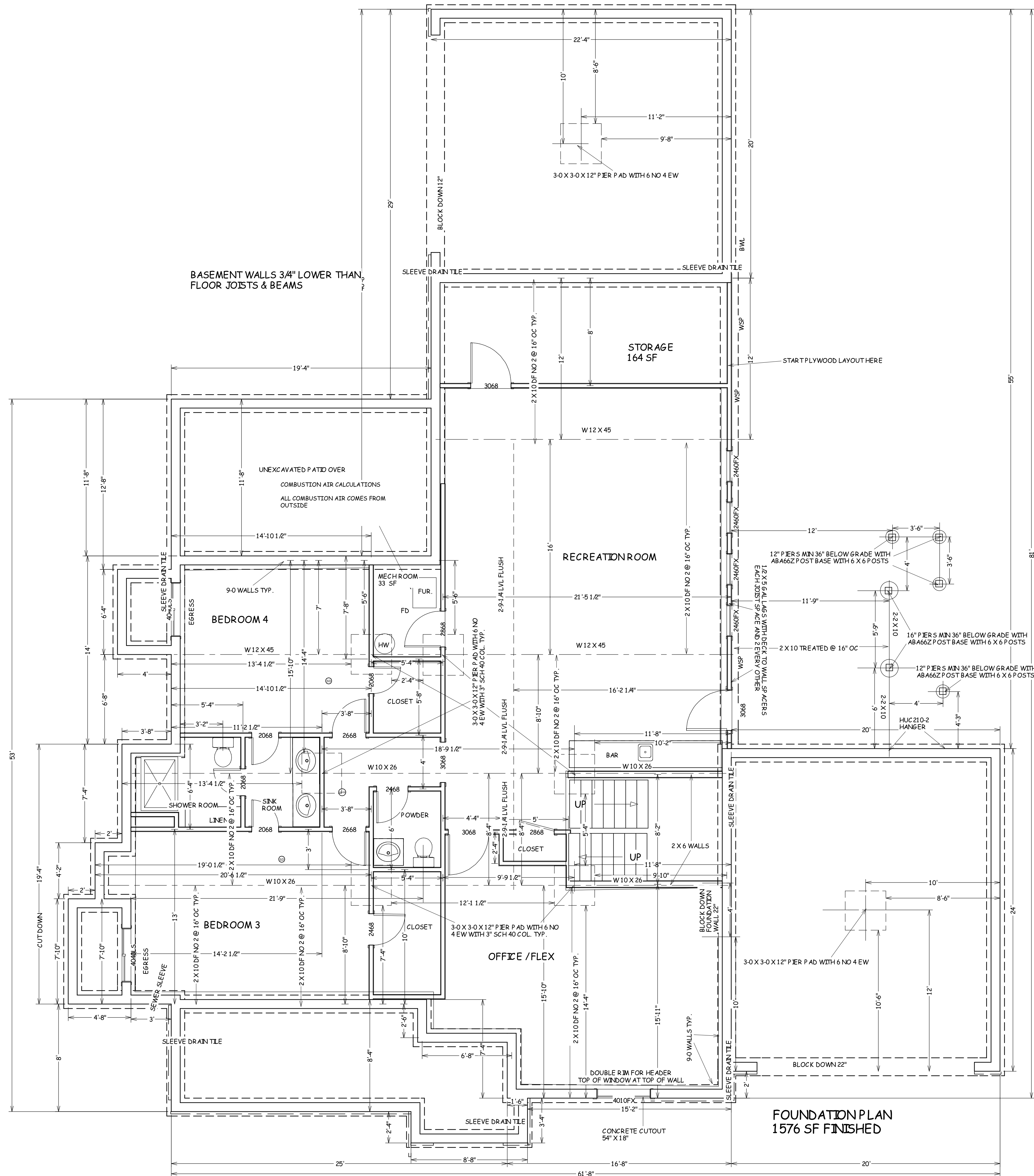
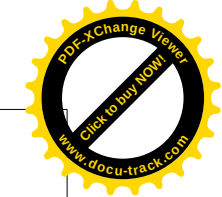
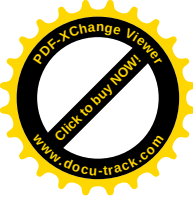
TRUMARK HOMES
BROOKSIDE IV
LOT 95 RESERVE AT WOODSIDE RIDGE
202 NW AMBERSHAM DRIVE
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

DATE
12-24-20

PLAN NO.
3303

SHEET NO.
1 OF 6



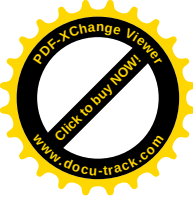
ALTERNATIVE FOUNDATION WALL REINFORCEMENT NOTES:

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.

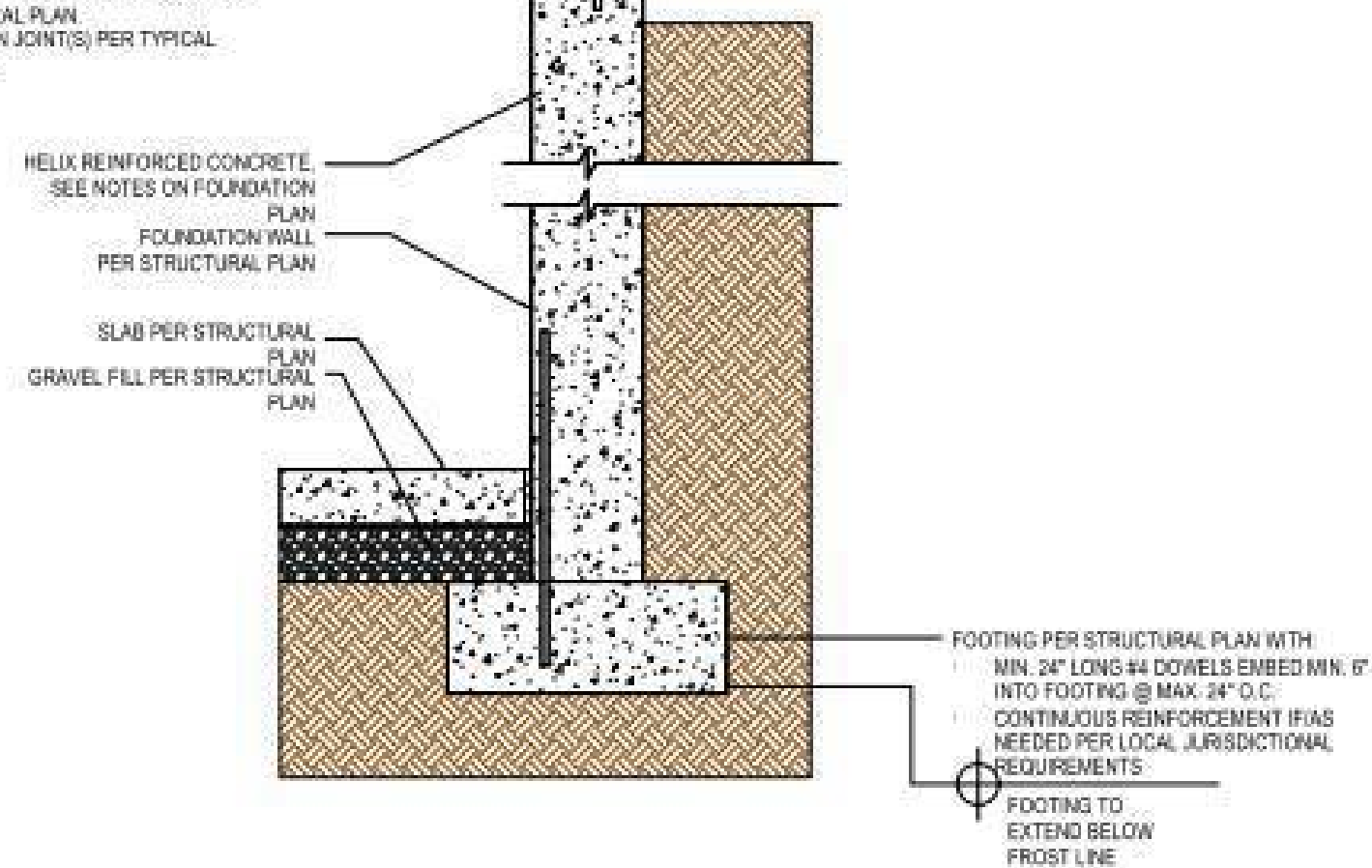
THE HELIX ALTERNATE ALSO REQUIRES COUNTERFORTS TO BE INSTALLED AT BASEMENT WALLS LONGER THAN 16' AT 16' O.C. PER DETAIL 2, SHEET S103.

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



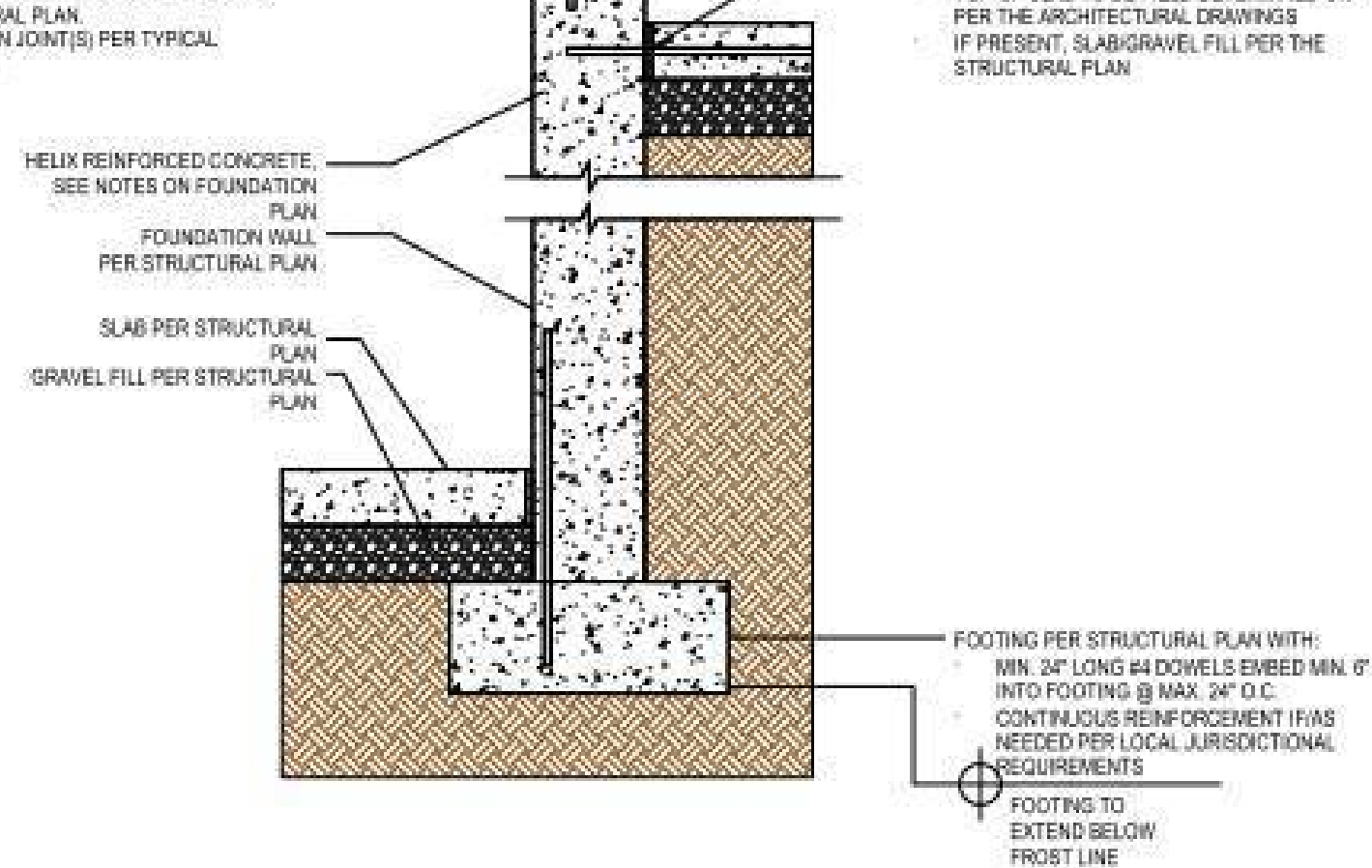


- DETAIL NOTES:
1. FLOORWALL FRAMING AND ANCHORAGE ABOVE PER STRUCTURAL PLAN.
 2. MIN. 3/4" COVER FOR FOUNDATION WALL REINFORCEMENT.
 3. FOOTING TO BEAR ON UNEXCAVATED EARTH OR WELL COMPACTED FILL PER STRUCTURAL PLAN.
 4. EXPANSION JOINT(S) PER TYPICAL PRACTICE.



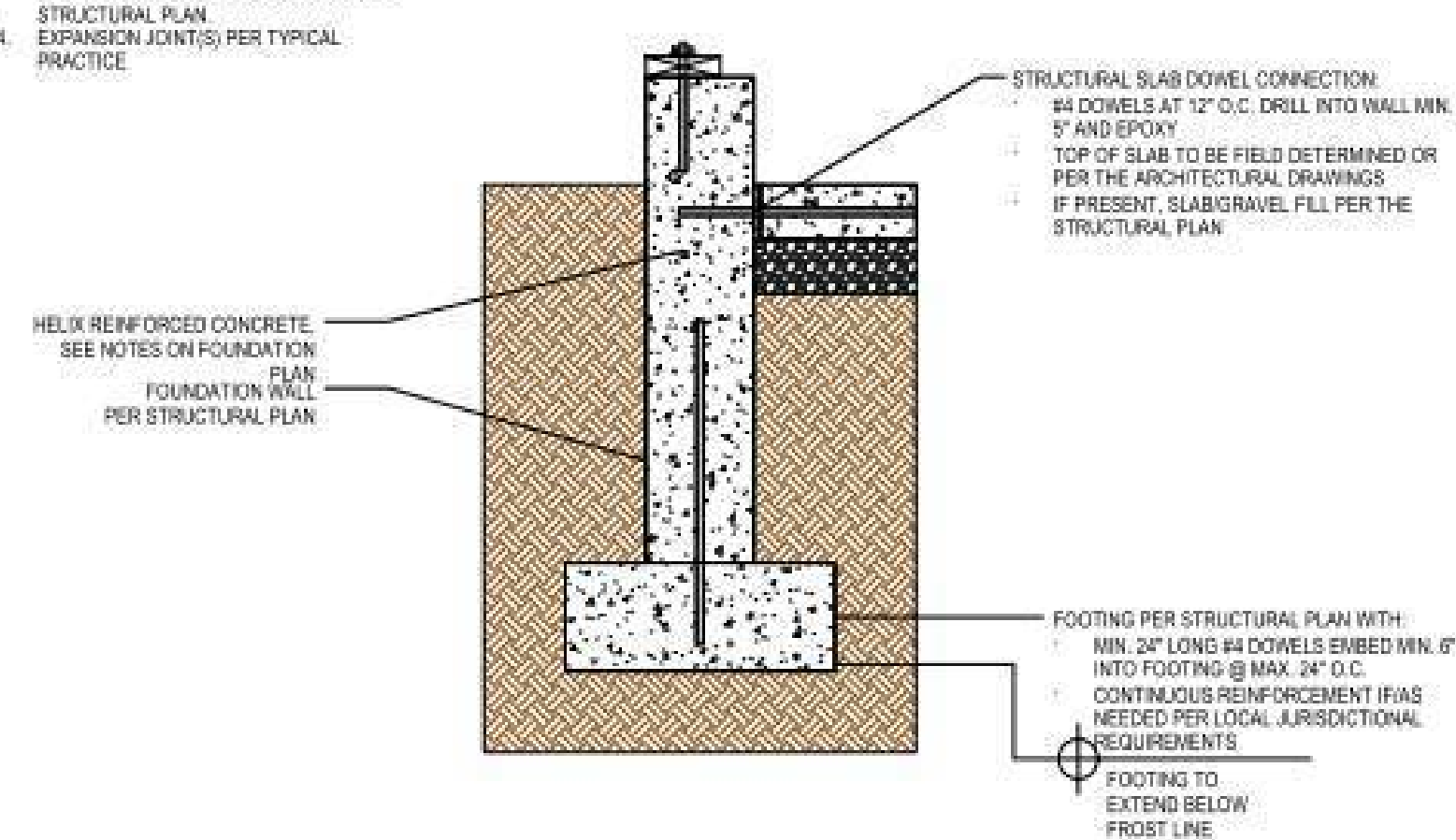
1 TYPICAL FOUNDATION WALL

- 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.



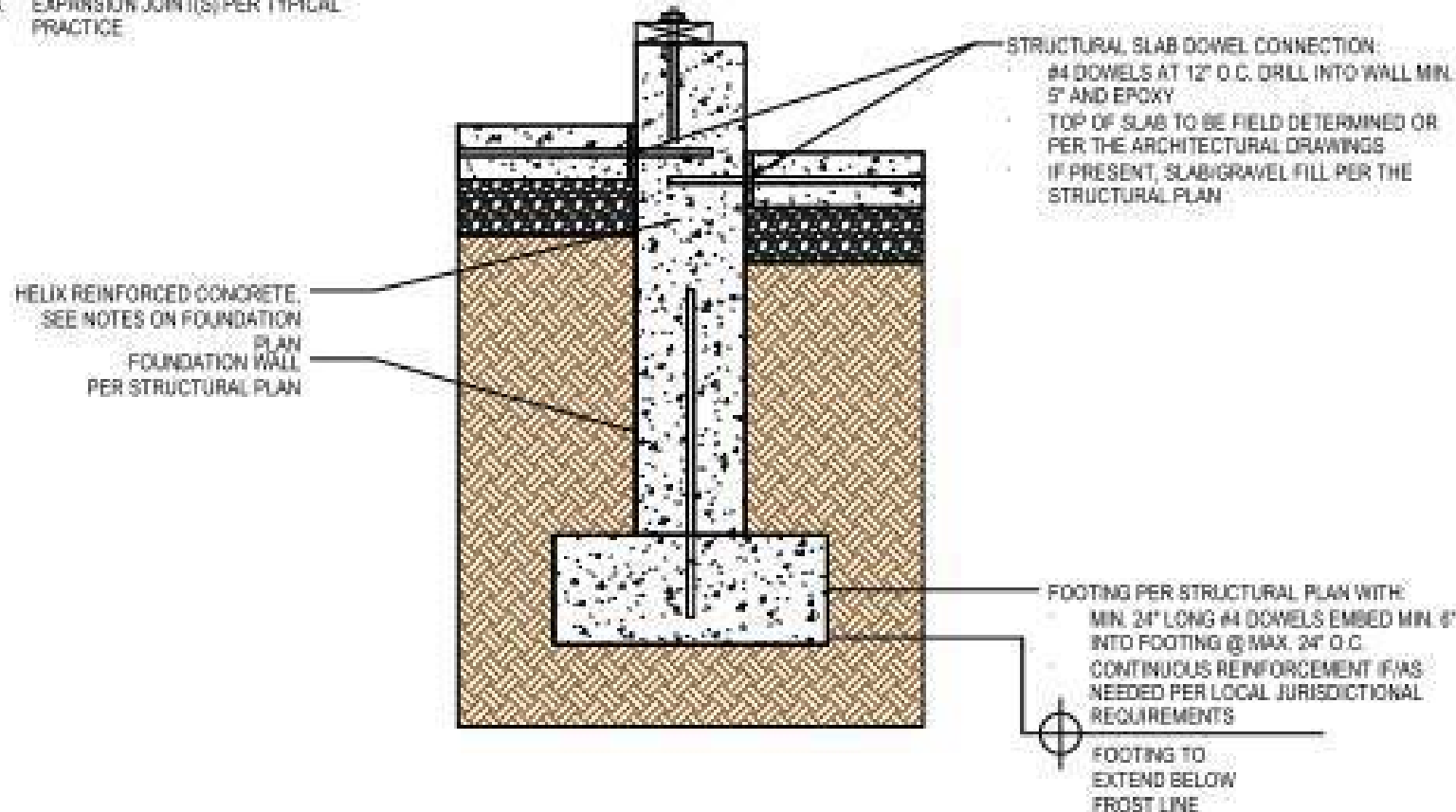
2 TYPICAL FOUNDATION WALL w/ STRUCTURAL SLAB ADJACENT

- 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.



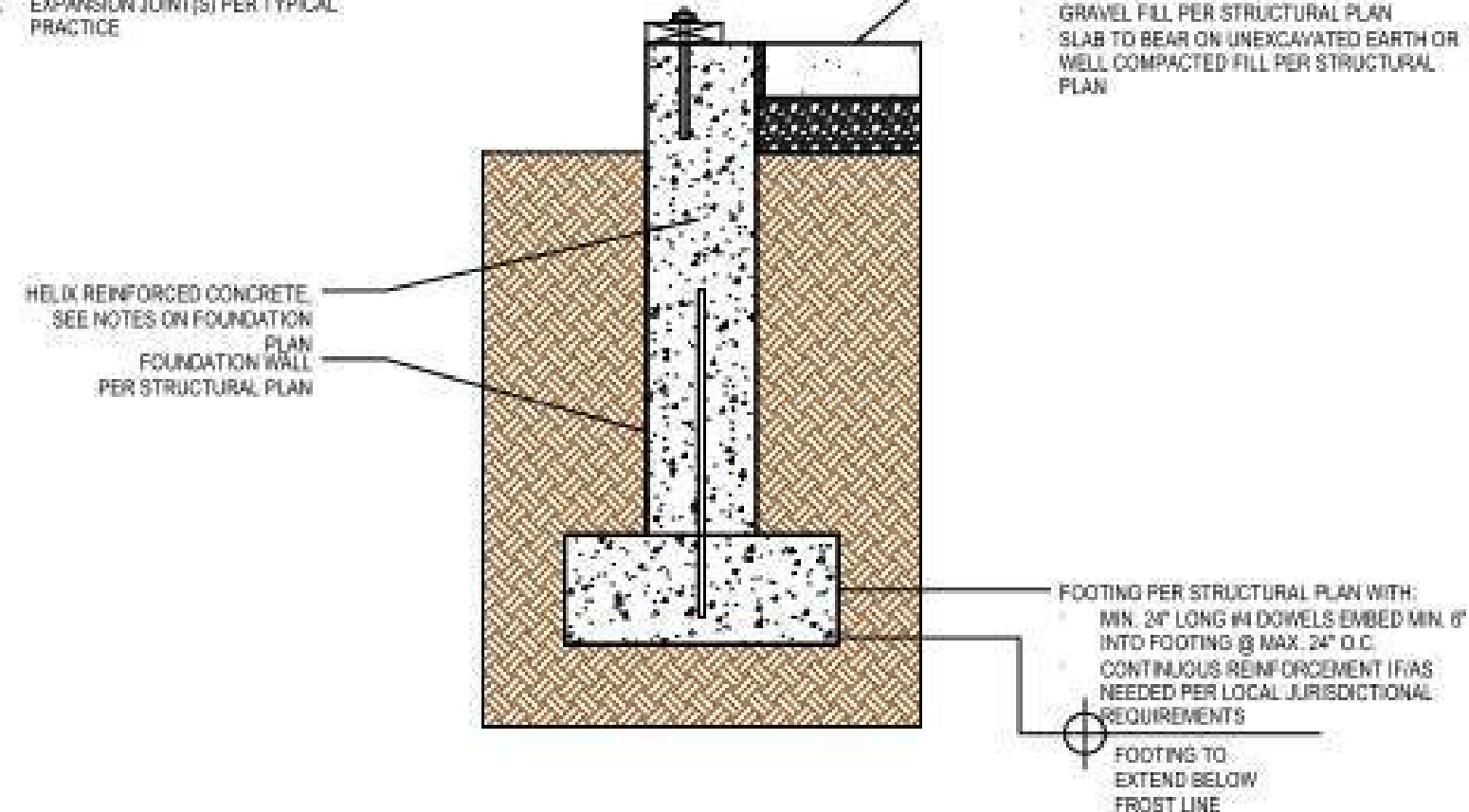
3 TYPICAL STEM WALL w/ STRUCTURAL SLAB ADJACENT

- 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.

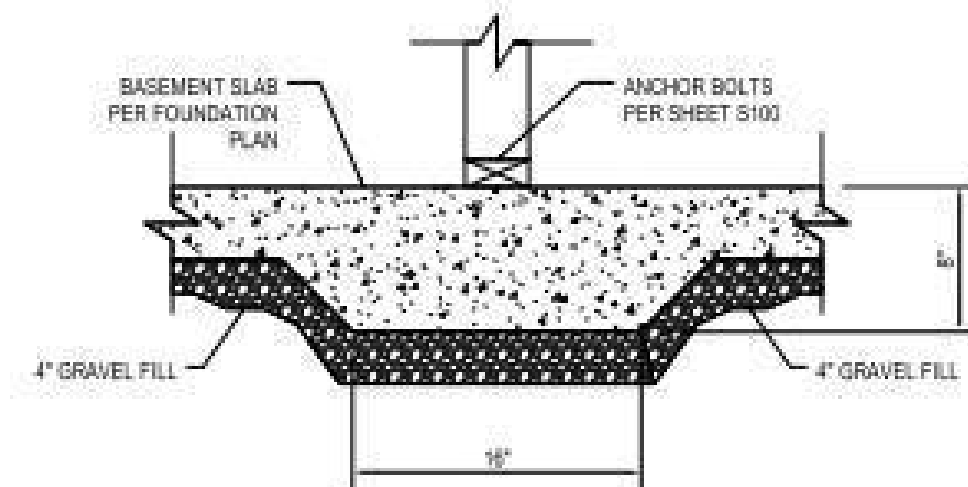


4 TYPICAL STEM WALL w/ MULTIPLE STRUCTURAL LEDGES

- 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.

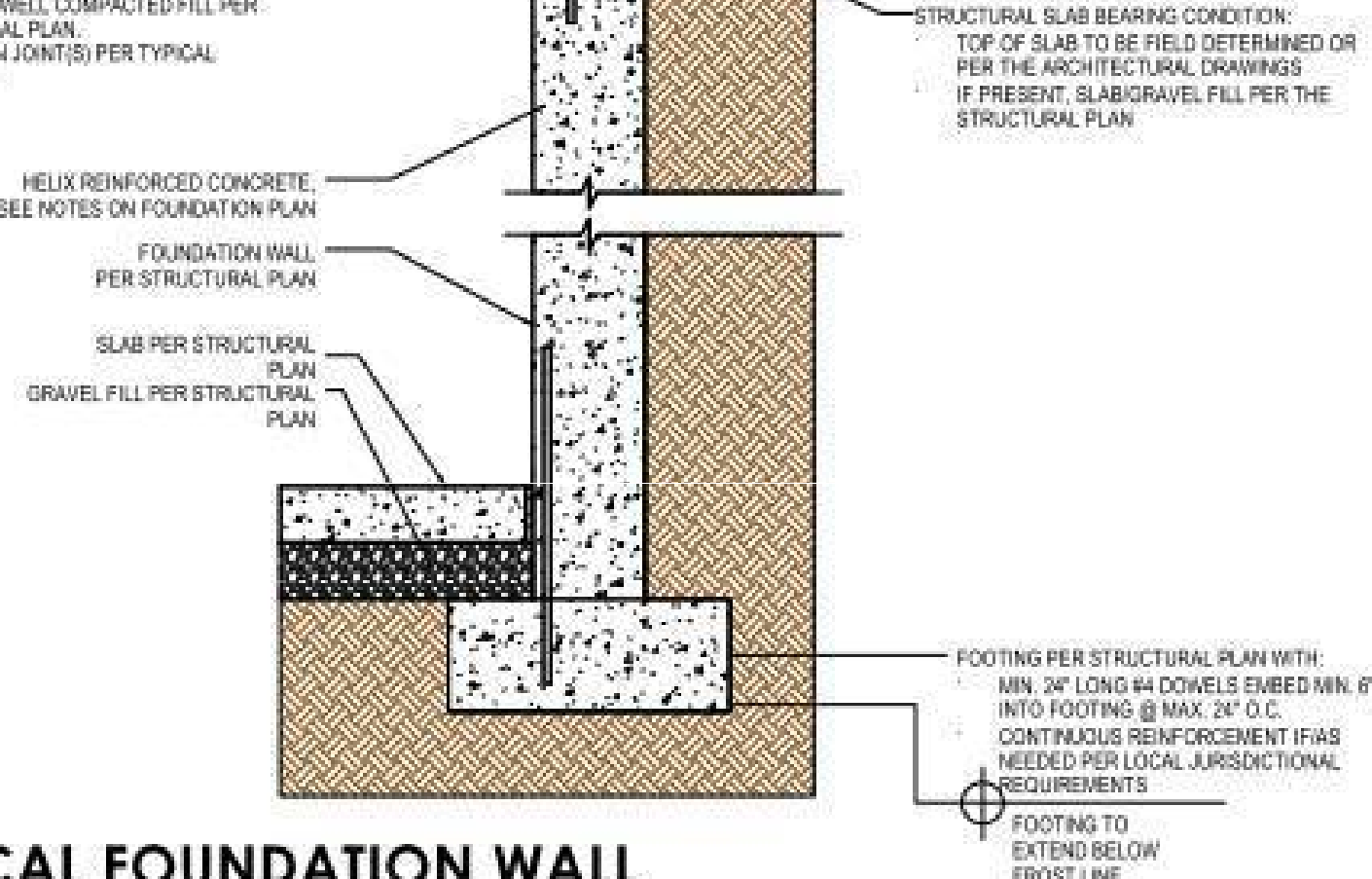


5 TYPICAL STEM WALL w/ SLAB-ON-GRADE ADJACENT



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

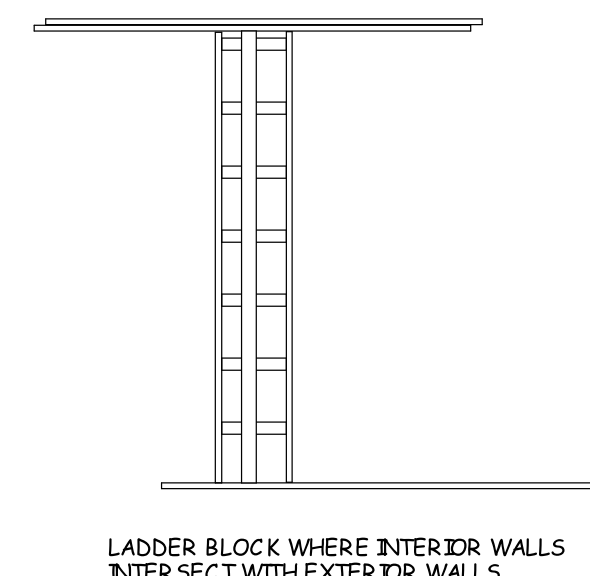
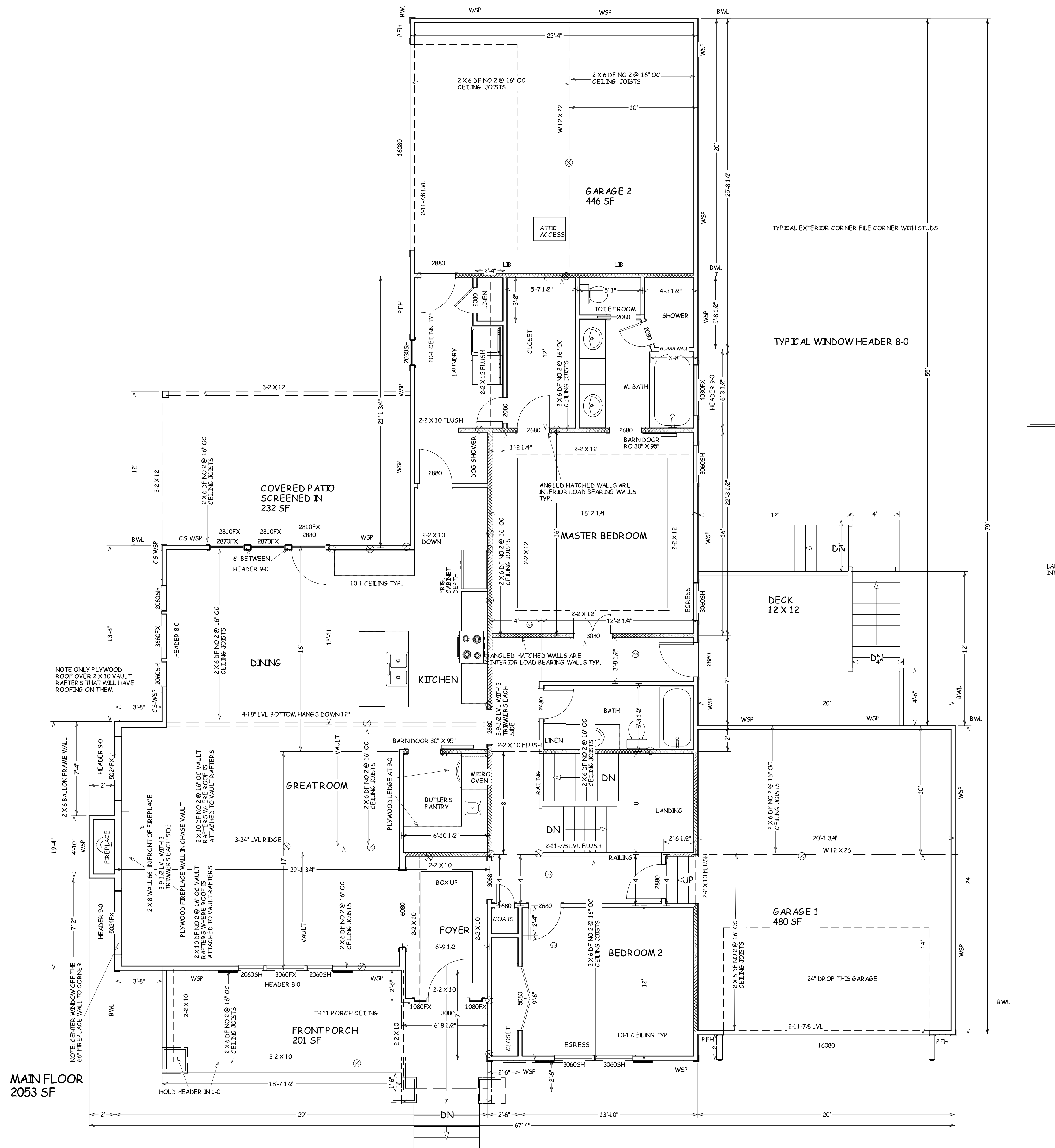
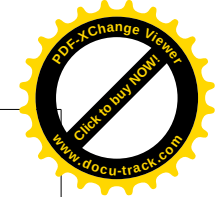
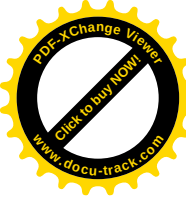


SCALE
1/4" = 1'-0

DATE
12-24-20

PLAN NO.
3303

SHEET NO.
3 OF 6



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

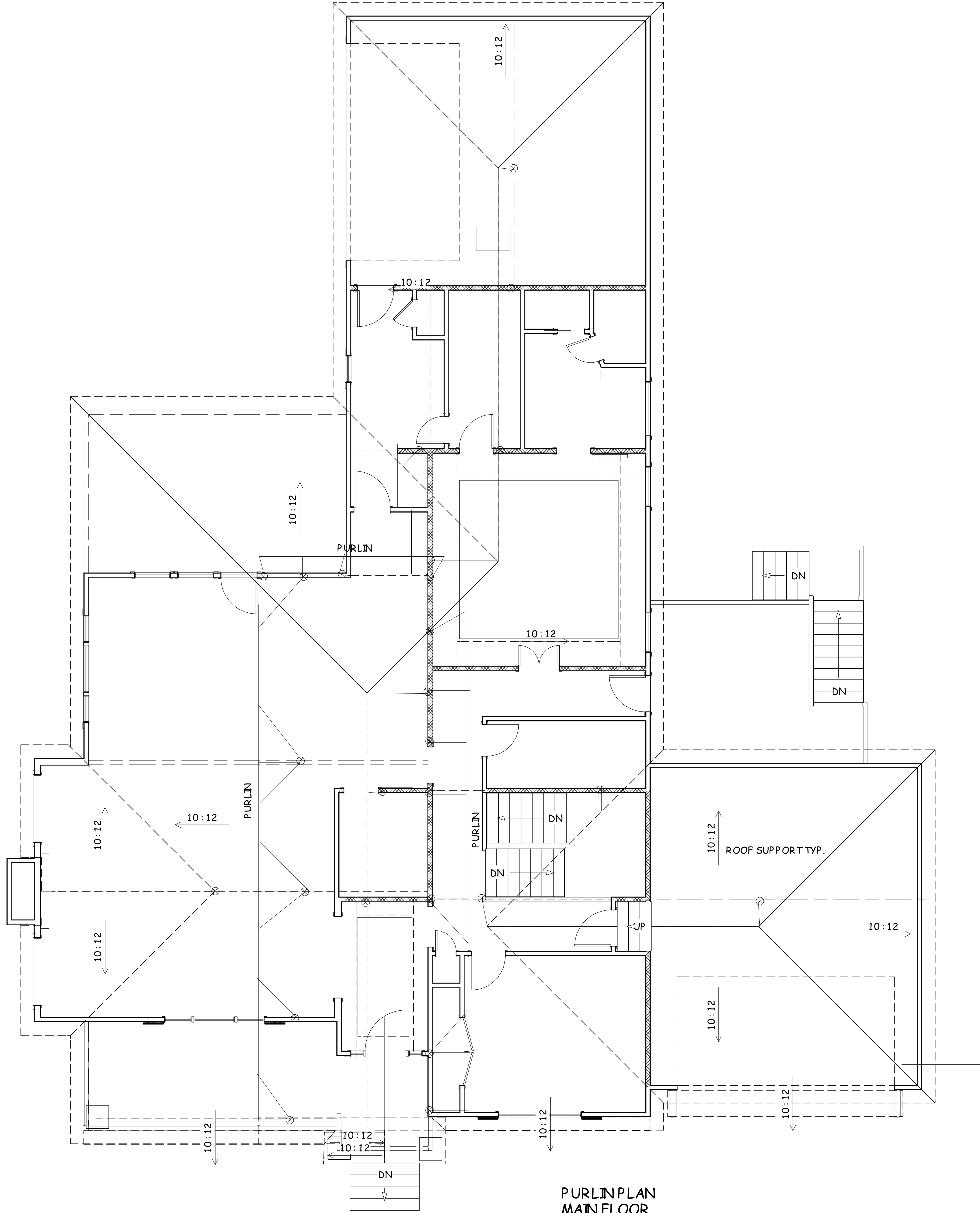
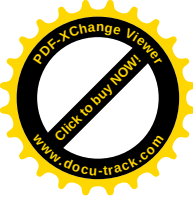
TRUMARK HOMES
BROOKSIDE IV
LOT 95 RESERVE AT WOODSIDE RIDGE
202 NW AMBERSHAM DRIVE
LEE SUMMIT MO

SCALE
1/4" = 1-0

DATE
12-24-20

PLAN NO.
3303

SHEET NO.
4 OF 6



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

1" AIR SPACE WITH FOAM AIR
CHUTES

2 X 10 VAULT RAFTER

2 X 2 NAILED TO BOTTOM OF
RAFTERS 12" O.C. WITH 12 D
NAILS

R-38 HIGH DENSITY
INSULATION

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

2 X 6 DF NO. 2
AT 16" OC

2 X 6 DF NO. 2
AT 16" OC

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

3/4" T & G SUB FLOOR
GLUED AND NAILED

2 X 10 DF NO 2 @
16" OC TYP.

MIN. CONCRETE STRENGTH
2,500 PSI BASEMENT FLOOR SLABS UNDISTURBED GRADE
3,000 PSI FOR FOOTINGS, FOUNDATION WALLS, AND OTHER VERTICAL
CONCRETE
3,500 PSI FOR CARPORT AND GARAGE FLOOR SLABS ON UNDISTURBED GRADE,
AND STRUCTURAL FLOOR SLABS

SPREAD FOOTING
MIN 8" DEEP X 16"
WIDE WITH TWO NO 4
REBAR

4" CONCRETE SLAB WITH NO
4 BARS AT 2-0 OC EACH WAY,
OVER 6 ML VAPOR BARRIER
OVER CRUSHED ROCK

INTERIOR DRAIN TILE MIN. 1-1/2"
MIN. DRAIN TO DAYLIGHT, OR SUMP
PUMP IN ACCORDANCE TO R-405

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
MAX. RISE 7-3/4"
MIN. RUN 10"

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL REBAR
GRADE 40 TYP.

7.5" CONCRETE WALL WITH NO 4 BARS HORT. EVERY 18" OF WALL
HEIGHT WITH # 4 BAR WITHIN 6" OF TOP AND BOTTOM OF WALL.
HORT. REBAR SHALL BE INSTALLED ON SOIL SIDE OF VERTICAL
REINFORCEMENT

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

VERTICAL REBAR SPACING
WALL HEIGHT IN FEET
6-0 OR LESS #4 @ 24" O.C.
8-0 #4 @ 16" O.C.
9-0 #4 @ 12" O.C.
10-0 #4 @ 8" O.C.
10-0 WALL 9-5" #4 @ 12" O.C.

4" DRAIN TILE IN WITH MIN 6"
CRUSHED ROCK OVER PIPE, DRAIN TO
DAYLIGHT, OR SUMP PUMP IN
ACCORDANCE TO R-405

ASSUMED SOIL
PRESSURE
2000 P.S.F.

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ICE & WATER SHIELD REQUIRED ON ALL ROOFS

ROOF IS DESIGNED FOR 25
P.S.F. SNOW LOAD MIN.

COMP. SHINGLES OVER
15# FELT

7/16" APA
RATED ROOF
SHEATHING

RAFTERS AND CEILING
JOISTS CONNECTIONS IN
ACCORDANCE IRC 802.3

DRIP EDGE AND GUTTER

1 X 8 FASCIA
OVER 2 X 6
SUBFASCIA

SOFFIT
WITH
VENTS

7/16" APA RATED SIDING OVER
WATER RESISTIVE HOUSE WRAP IN
COMPLIANCE WITH SECTION 703.2
OF THE IRC

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

2 X4 TREATED PLATE OVER
SILL SEALER

DAMPPOOF WALLS BELOW GRADE
SPRAY ON TAR WITHIN CODE R-406.1
FILL ALL JOISTS & HONEYCOMB AREAS
BEFORE DAMPPROOFING

7.5" CONCRETE WALL WITH NO 4 BARS HORT. EVERY 18" OF WALL
HEIGHT WITH # 4 BAR WITHIN 6" OF TOP AND BOTTOM OF WALL.
HORT. REBAR SHALL BE INSTALLED ON SOIL SIDE OF VERTICAL
REINFORCEMENT

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

VERTICAL REBAR SPACING
WALL HEIGHT IN FEET
6-0 OR LESS #4 @ 24" O.C.
8-0 #4 @ 16" O.C.
9-0 #4 @ 12" O.C.
10-0 #4 @ 8" O.C.
10-0 WALL 9-5" #4 @ 12" O.C.

4" DRAIN TILE IN WITH MIN 6"
CRUSHED ROCK OVER PIPE, DRAIN TO
DAYLIGHT, OR SUMP PUMP IN
ACCORDANCE TO R-405

ASSUMED SOIL
PRESSURE
2000 P.S.F.

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

ALL CONCRETE EXPOSED TO
WEATHER GARAGE SLABS
FOOTINGS WALLS AND FLATWORK
MUST HAVE 6% AIR ENTRAINMENT

WINDOW EGRESS
REQUIREMENTS

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

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 STEEL 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) NI102.1

10. EXTERIOR WINDOWS/DOORS SHALL HAVE U-FACTOR 0.35 AND
GLAZING SHALL HAVE SOLAR HEIGHT GAIN FACTOR OF 0.40 NI102.1

11. HOUSE LEAKAGE AND DUCT LEAKAGE PERFORMANCE STANDARDS
EFFECTIVE JANUARY 1, 2014 A SAMPLE TESTING PROGRAM WILL BE
IMPLEMENTED OCTOBER 1, 2012 KCBRC NI102.4.1.2 NI103.2.2

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 NI102.4.4

13. PROGRAMMABLE THERMOSTAT REQUIRED NI103.1.1

14. ATR HANDLERS SHALL BE RATED FOR MAXIMUM 2 % AIR LEAKAGE
RATE NI103.2.2.1

15. BUILDING CAVITIES USED AS RETURN ATR PLENUMS SHALL BE
SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE KCBRC
NI103.2.2

16. CERTAIN HOT WATER PIPES SHALL BE INSULATED NI103.4

17. ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR
M1507.2

18. MAKEUP AIR SYSTEM REQUIRED FOR KITCHEN 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 ATR 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 REQUIREMENT AND SHOW CONNECTION AS
NEEDED FOR ROOF BEAM, TRUSS, RAFTER, AND GIRDER CONNECTION FOR
UPLIFT PER IRC 802.11. ALL RAFTERS BE IN COMPLIANCE WITH IRC 502.11
AMENDED RAYMORE CODE

USE LSTA24 RIDGE STRAPS
ON ALL VAULTS AT RIDGE
OR COLLAR TIES

TYP VAULT WITH STRAPS

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

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

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

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

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

3'-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
12-24-20

PLAN NO.
3303

SHEET NO.
5 OF 6



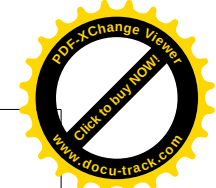


TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED						
EXPOSURE CATEGORY B 30-FOOT MEAN ROOF HEIGHT 10-FOOT WALL HEIGHT 2 BRACED WALL LINES		MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE ^a				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing ^b (feet)	Method LIP ^c	Method GB	Methods DWB, WSP, SFB, PFB, PCP, HPS, BV-WSP, ABW, PFH, PFH, CS-SFB	Methods CS-WSP, CS-G, CS-PF
≤ 115		10	3.5	3.5	2.0	3.5
		20	6.5	6.5	3.5	4.5
		30	9.5	9.5	5.5	6.0
		40	12.5	12.5	7.0	7.5
		50	15.0	15.0	9.0	9.0
		60	18.0	18.0	10.5	10.5
		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

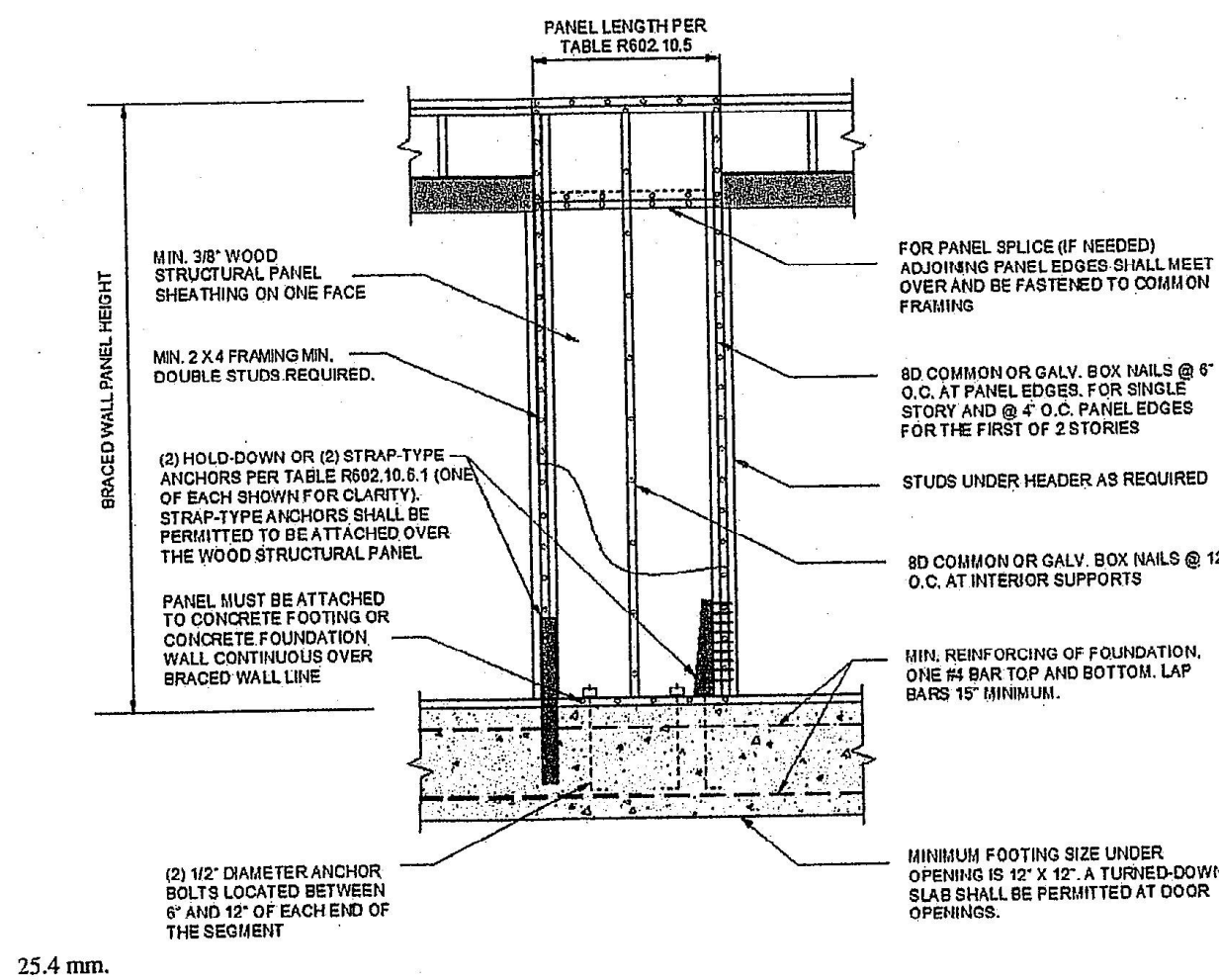
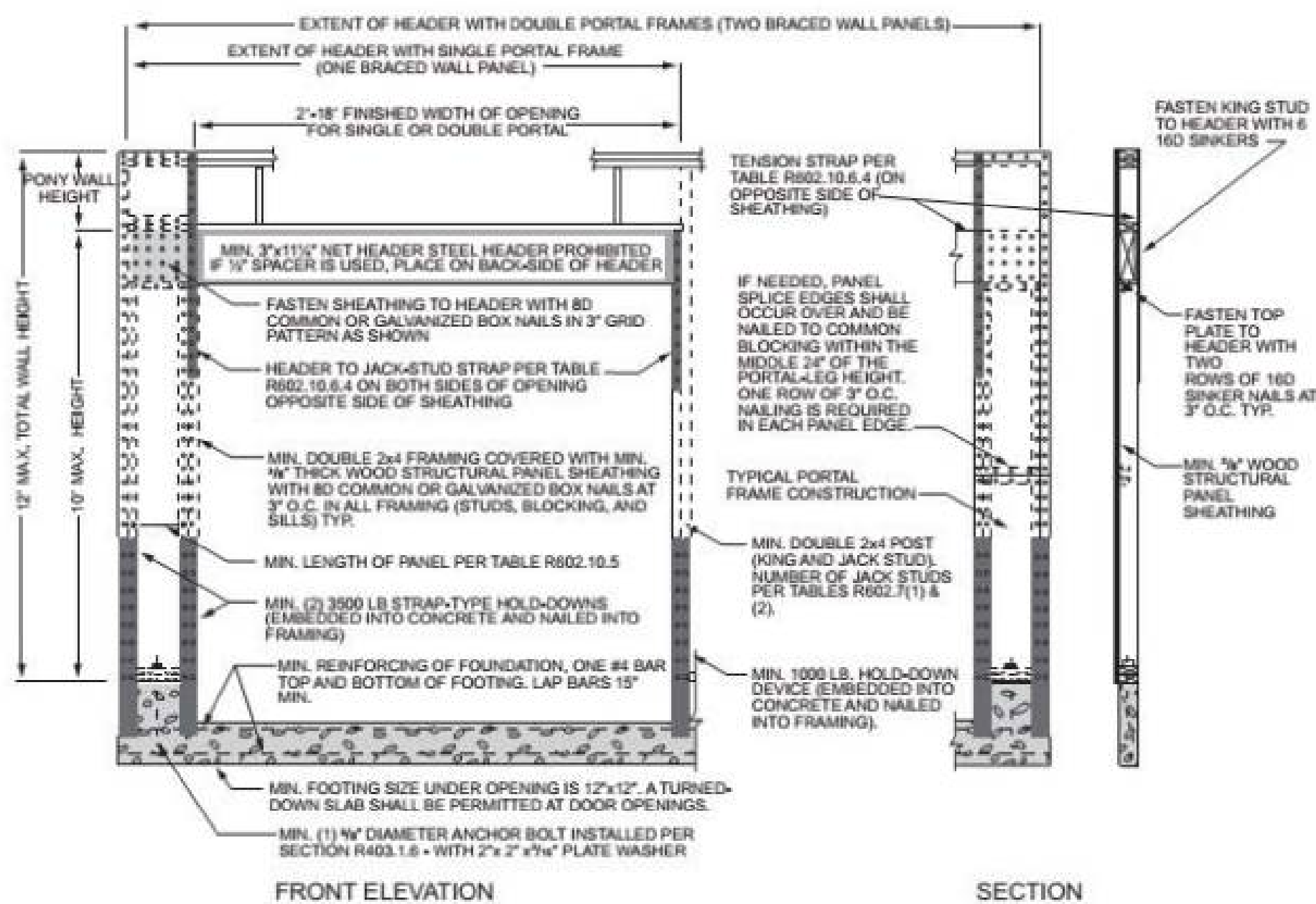


FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL



2018 IRC PFH DETAIL

TABLE R602.10.4 BRACING METHODS					
METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a		
			Fasteners	Spacing	
Intermittent Bracing Methods	LJB Let-in-bracing		Wood: 2-8d common nails or 3-8d (2 1/2\"/>	Wood: per stud and top and bottom plates Metal: per manufacturer	
	DWB Diagonal wood boards		2-8d (2 1/2\"/>	Per stud	
	WSP Wood structural panel		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		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		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	53	58	Actual ^b
GB	48	48	48	53	58	Double sided = Actual Single sided = 0.5 x Actual
ABW	SDC A, B and C, ultimate design wind speed < 140 mph SDC D ₁ , D ₂ and D ₃ , ultimate design wind speed < 140 mph	28	32	34	38	42
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	—	—	—	—	65
	144	—	—	—	—	72
METHOD (See Table R602.10.4)	Supporting roof only	16	16	16	Note c	Note c
	Supporting one story and roof	24	24	24	Note c	Note c
	PFH	24	27	30	Note d	1.5 x Actual ^b
	CS-PF	SDC A, B and C SDC D ₁ , D ₂ and D ₃	16 16	18 20	Note e Note e	1.5 x Actual ^b 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 when 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 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 load 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.

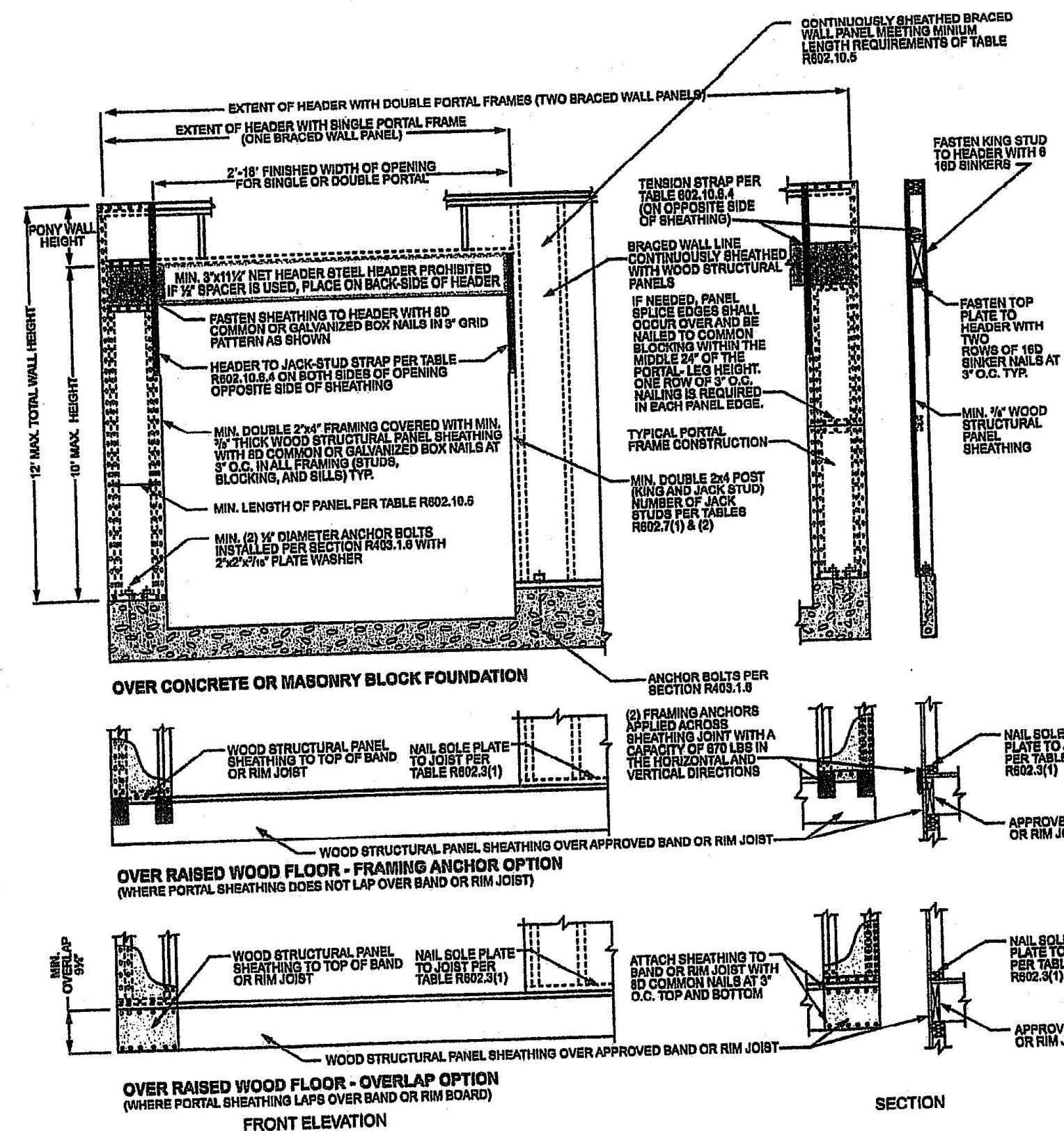


FIGURE R602.10.6.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

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
12-24-20

PLAN NO.
3303

SHEET NO.