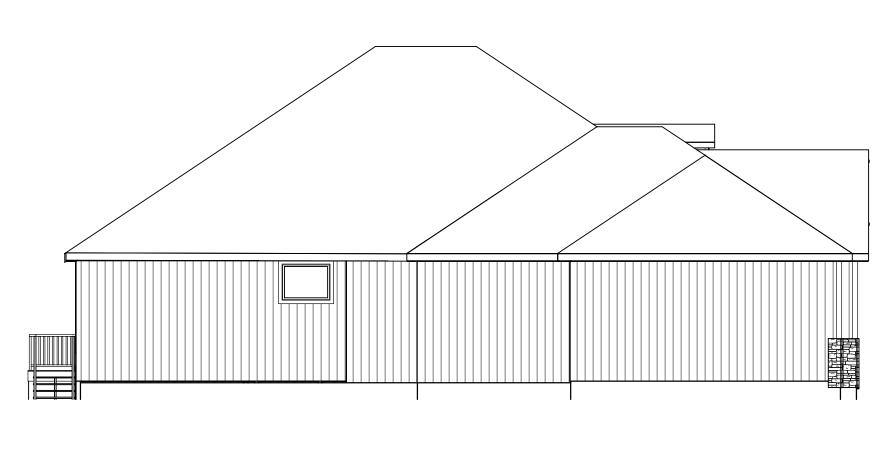
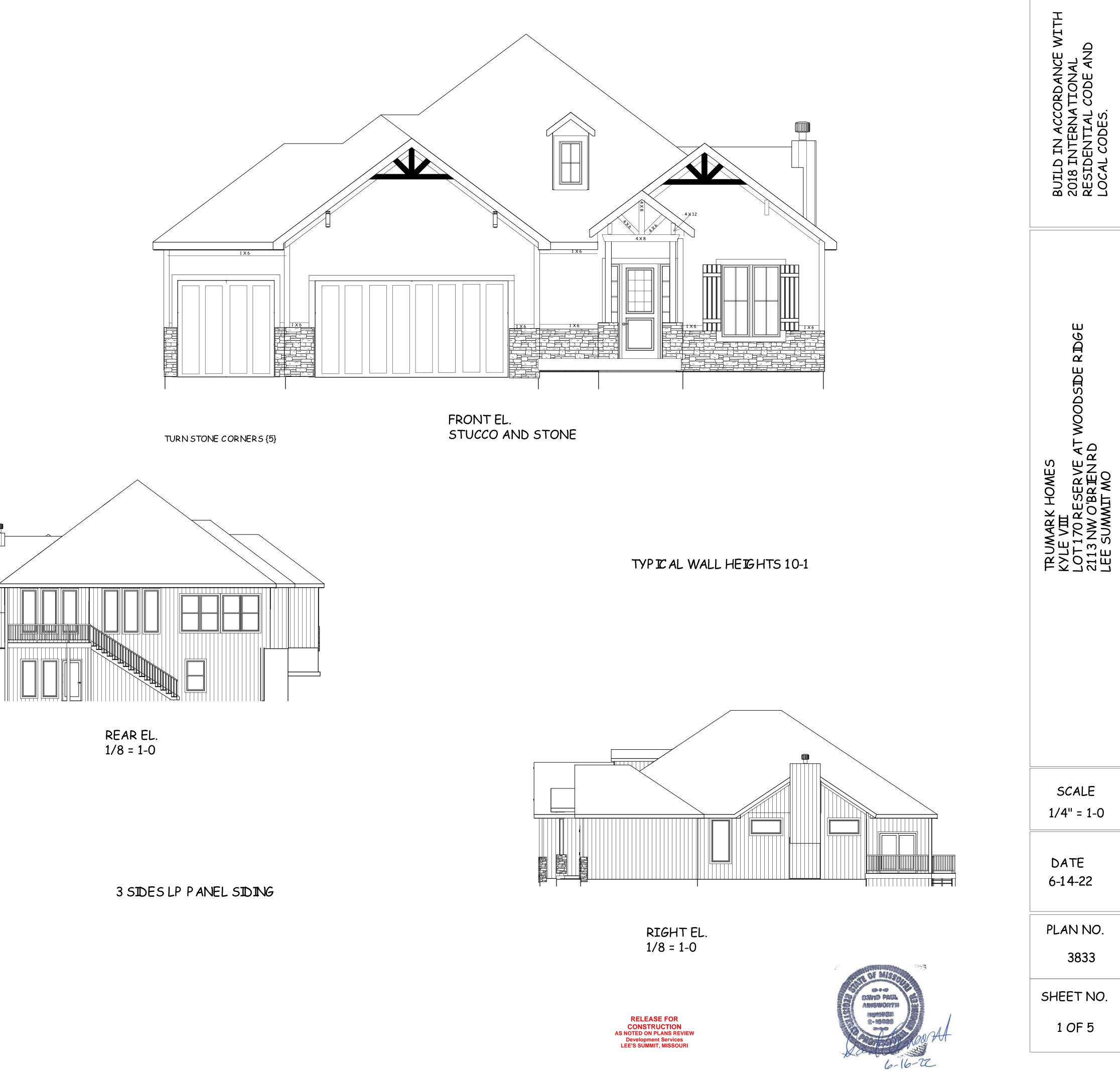


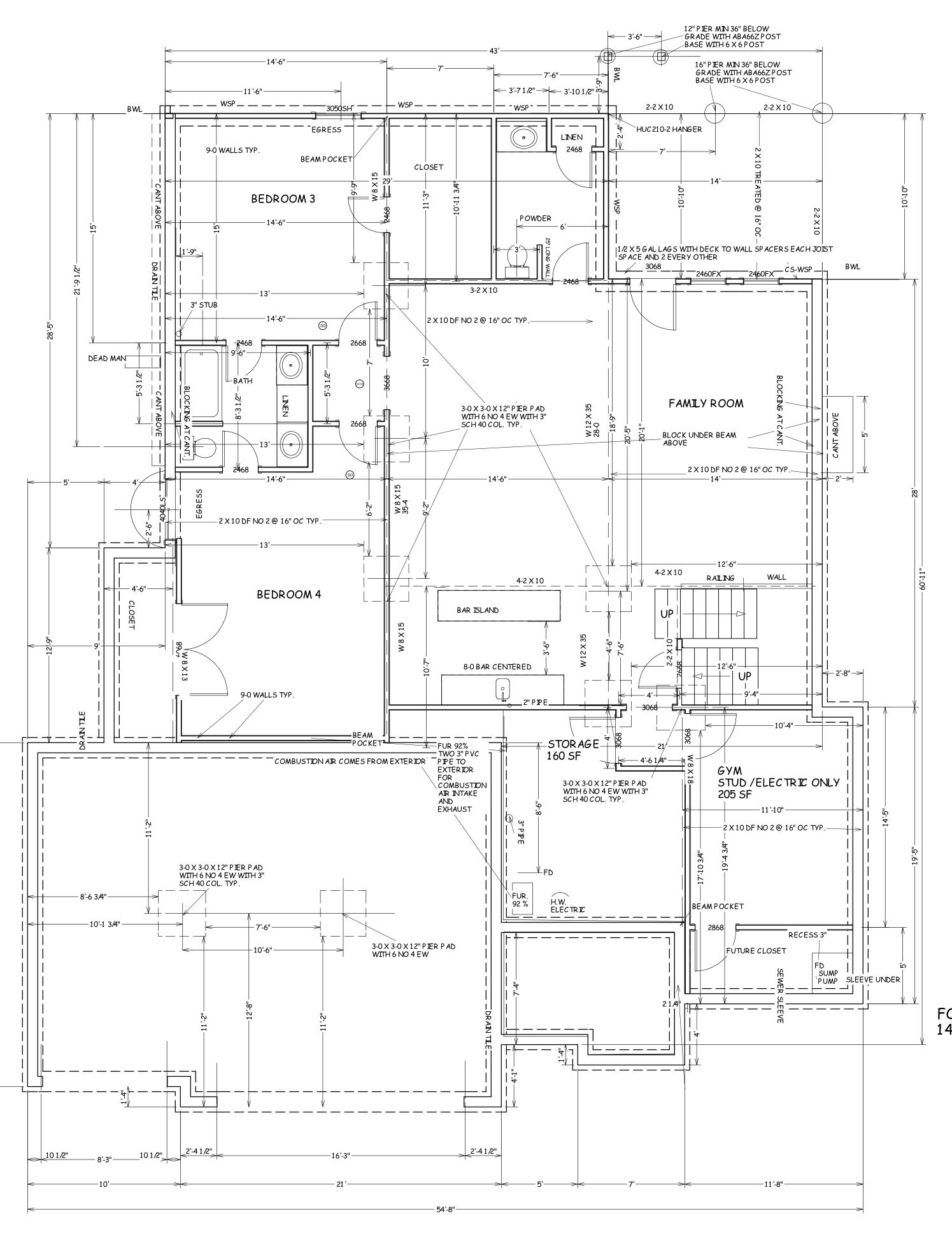
ROOF PLAN 1/8" = 1-0 SIDE TO SIDE 9/12 FRONT TO BACK 8/12 RAFTERS 2 X 6 DF NO 2@ 16" OC HIP S AND RIDGES 2 X 8 DF NO 2



LEFT EL. 1/8 = 1-0



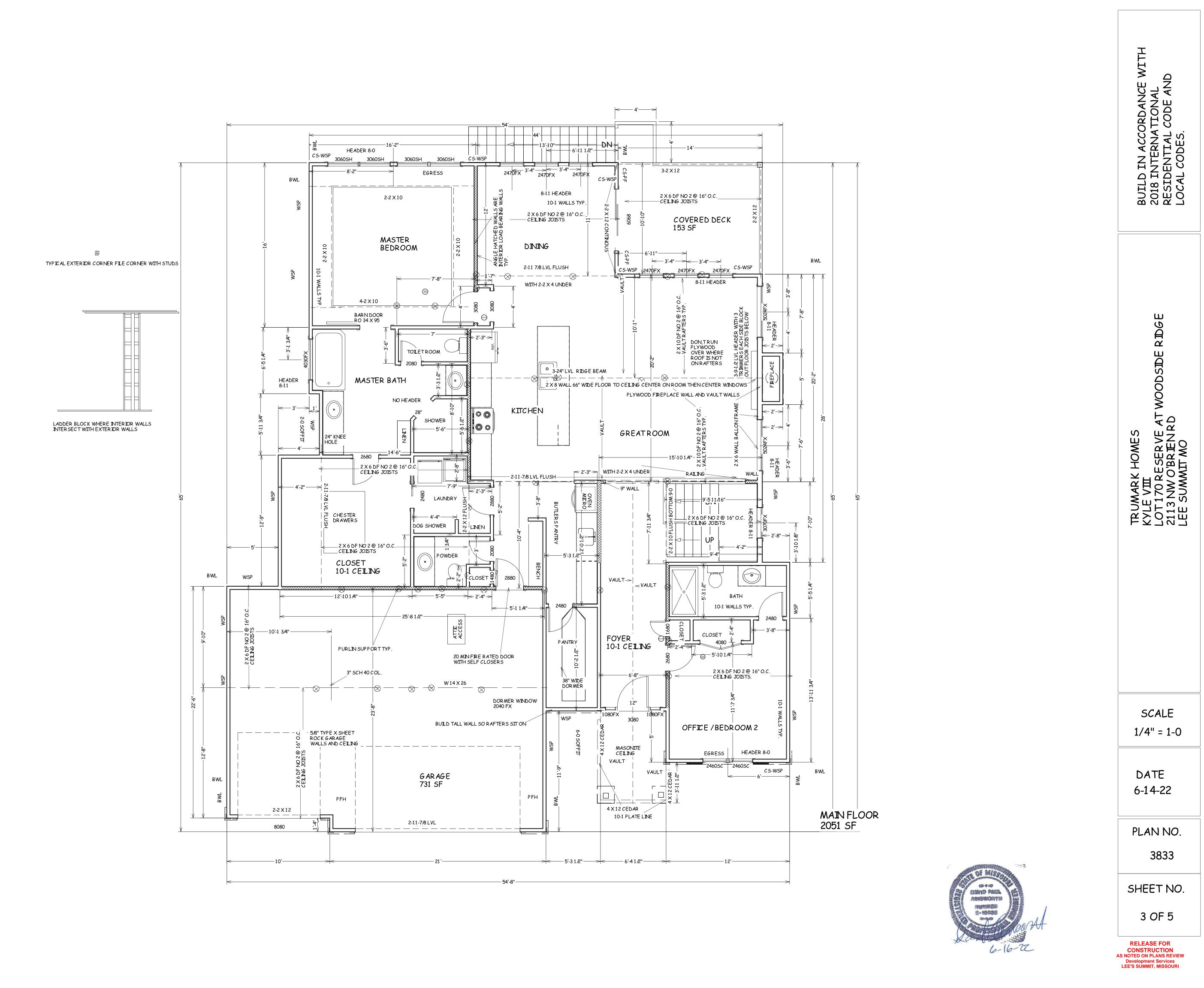


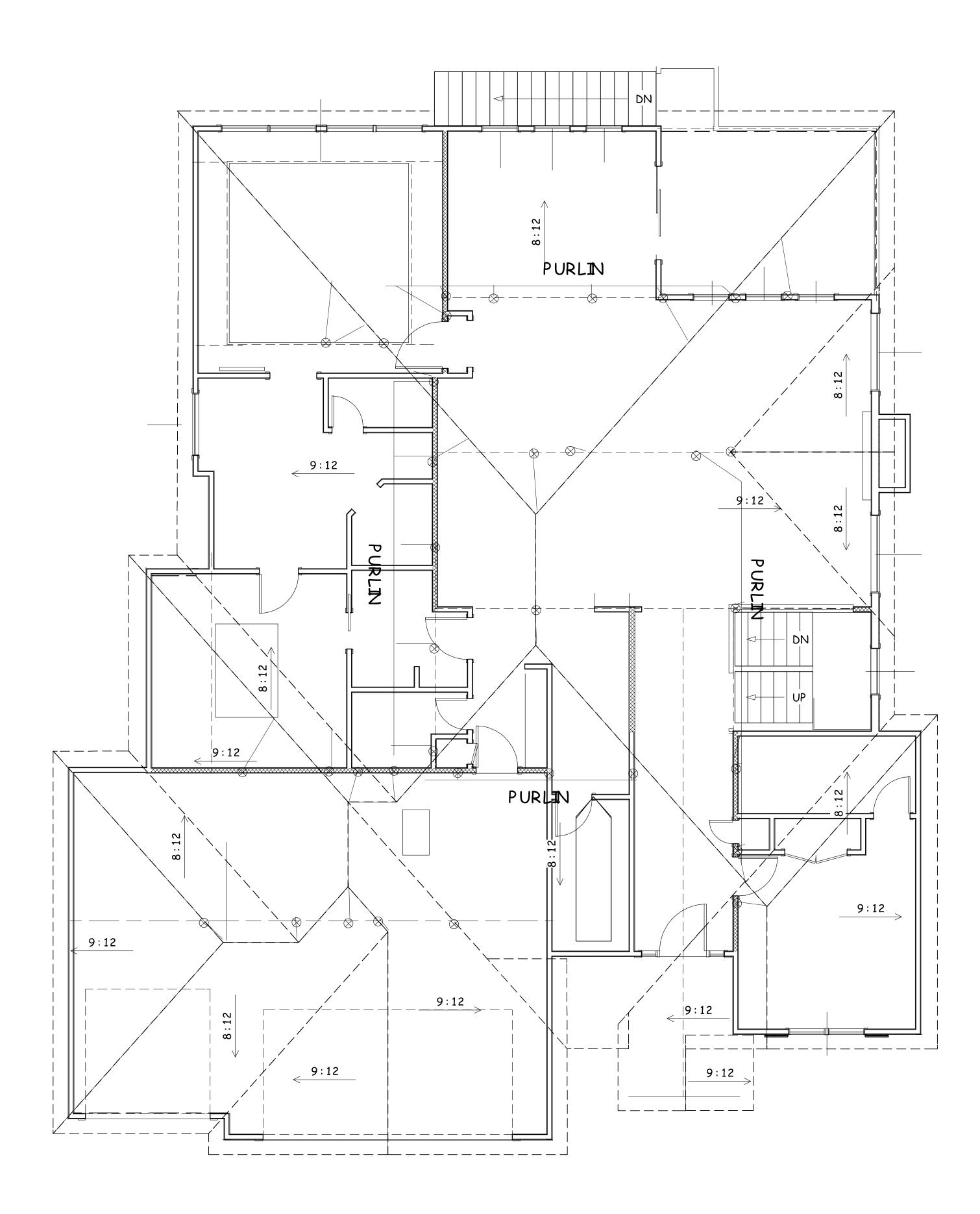


| BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES. |
|---|
| TRUMARK HOMES KYLE VⅢ LOT 170 RESERVE AT WOODSIDE RIDGE 2113 NW O'BRIEN RD LEE SUMMIT MO |
| SCALE 1/4" = 1-0 |
| DATE 6-14-22 |
| PLAN NO. 3833 |
| SHEET NO. 2 OF 5 |
| RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI |

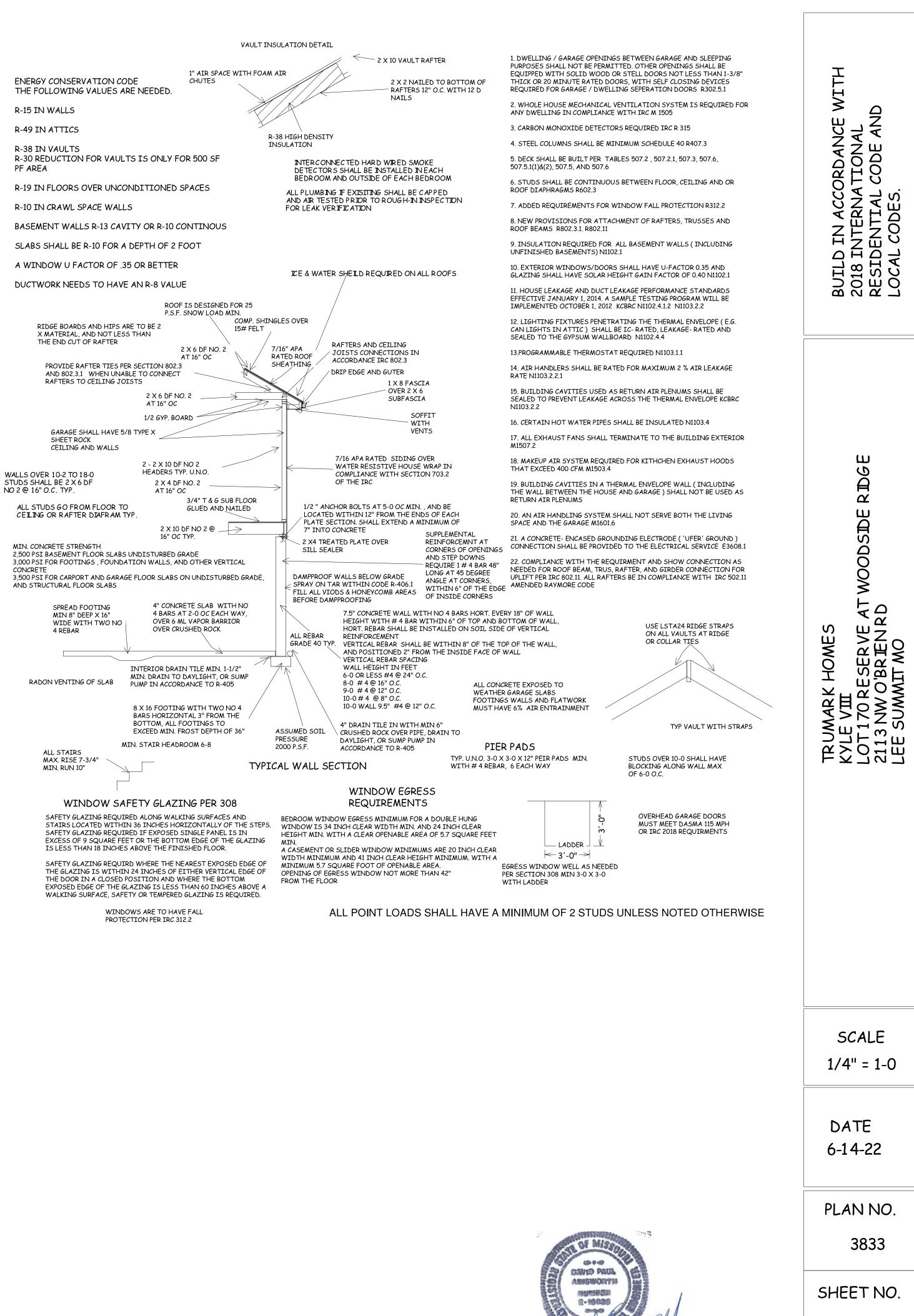
FOUNDATION PLAN 1414 SF FINISHED





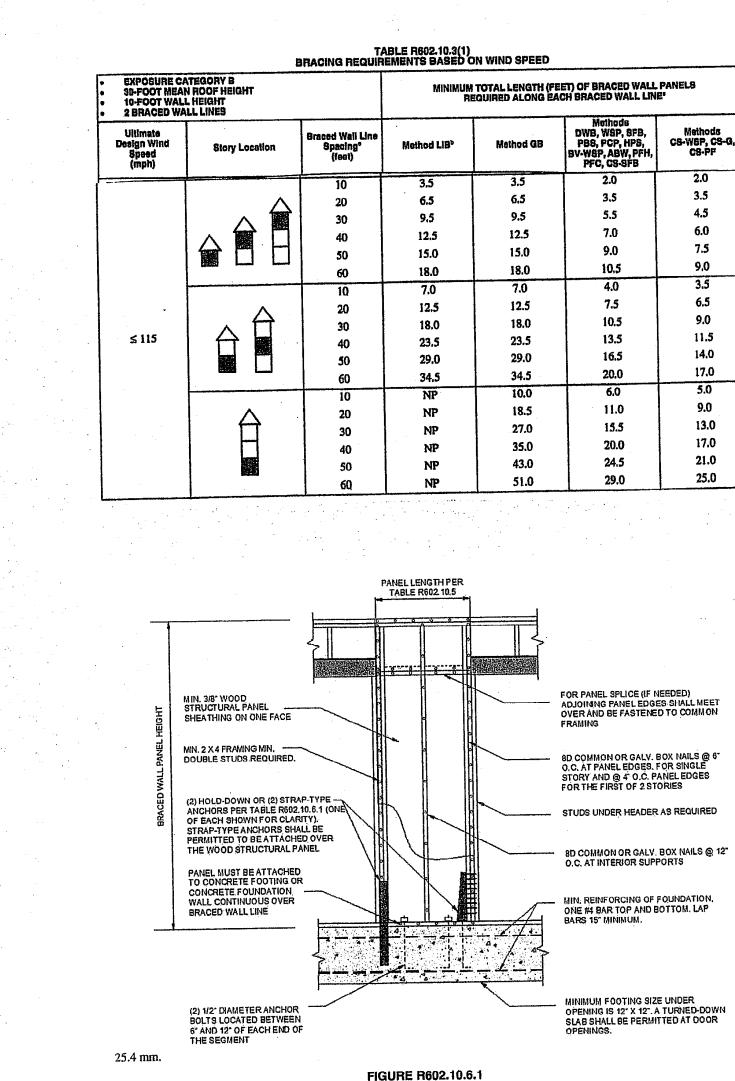


PURLINPLAN

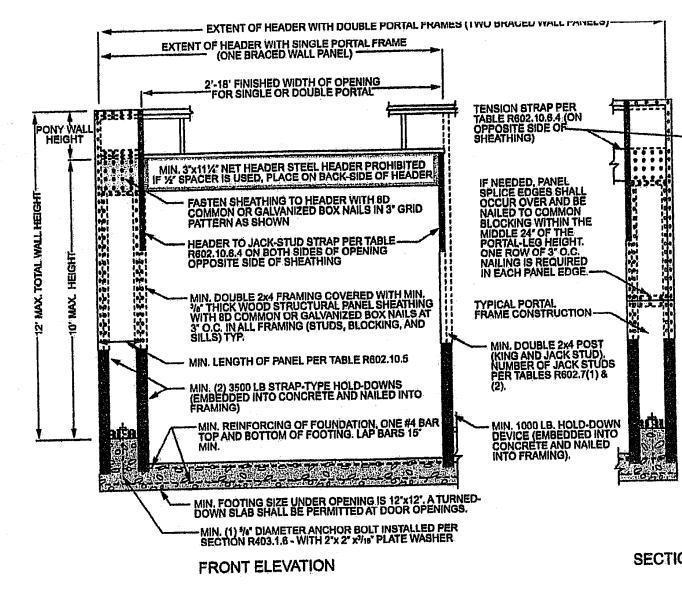


RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI

4 OF 5



METHOD ABW-ALTERNATE BRACED WALL PANEL



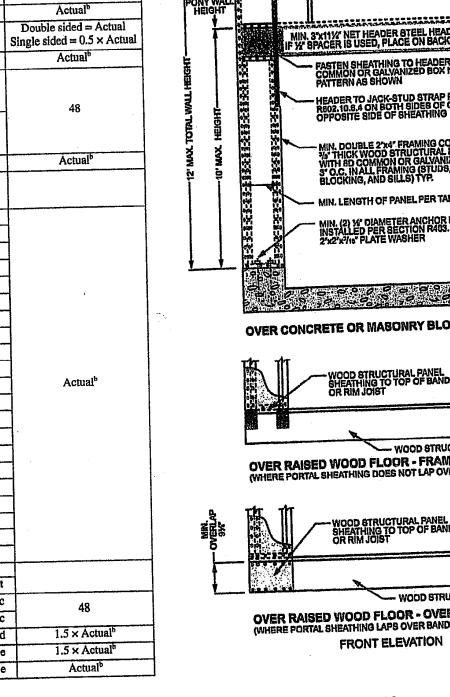
4 mm, 1 foot = 304.8 mm.

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

SECTION

BRACE WALL DETAILS WIND SPEED 115 MPH WIND EXPOSURE A SEISMIC DESIGN CAEGORY A

| 132 136 140 140 144 METHOD (See Table R602,10.4) PFH Supporting r Supporting one st PFG CS-PF SDC A, B SDC D ₀ , D | oof only tory and roof | | 9 feet 16 24 | | 11 feet Note c | 62 66 72 12 feet Note c | |
|---|---------------------------|----------------------|----------------------------|--|---|---|--|
| 140 144 METHOD (See Table R602,10.4) PFH Supporting r Supporting one st PFG CS-PF SDC A, B SDC A, B SDC D ₀ , D | oof only tory and roof | 16 24 | 9 feet 16 | 10 feet 16 | nelght 11 feet Note c | 72 12 feet | |
| METHOD (See Table R602,10.4) PFH Supporting r Supporting one si PFG CS-PF SDC A, B SDC A, B | oof only tory and roof | 16 24 | 9 feet 16 | 10 feet 16 | 11 feet Note c | 12 feet | 40 |
| METHOD (See Table R602,10.4) PFH Supporting r Supporting one si PFG CS-PF SDC A, B SDC A, B | oof only tory and roof | 16 24 | 9 feet 16 | 10 feet 16 | 11 feet Note c | | 40 |
| (See Table R602.10.4) PFH Supporting one st PFG CS PE SDC A, B | oof only tory and roof | 16 24 | 16 | 16 | Note c | | |
| PFH Supporting r Supporting one st PFG CS-PF SDC A, B SDC A, B | tory and roof | 24 | | | | Note c | 40 |
| PFH Supporting one st PFG CS-PF SDC A, B SDC D ₀ , D | tory and roof | in the second second | 24 | 24 | | | 48 |
| PFG CS-PF SDC A, B SDC D ₀ , D | | 24 | | 6T | Note c | Note c | |
| CS-PF SDC A, B | | 24 | 27 | 30 | Note d | Note d | $1.5 \times \text{Actual}^{\text{h}}$ |
| CS-PF SDC D ₀ , D | and C | 16 | 18 | 20 | Note e | Note e | 1.5 × Actual ^b |
| | | 16 | 18 | 20 | Note e | Note e | Actual ^b |
| Linear interpolation shall be permitted. Use the actual length where it is greater than or Maximum header height for PFH is 10 feet in ac Maximum header height for PFG is 10 feet in ac Maximum header height for CS-PF is 10 feet in a | cordance with Fig | gure R602 | 2.10.6.2, Du | t wall height t wall height it wall height | t shall be perm t shall be perm at shall be per | nitted to be incre nitted to be incre mitted to be incr | eased to 12 feet with pony cased to 12 feet with pony eased to 12 feet with pony |



| | | LIB | 1 × 4 wood or approved metal straps | RITHING T | Wood: 2-8d common nails or $3-8d (2^{1}/_{2}" \log x \ 0.113" dia.)$ nails | Wood: per stud and top and bottom plates |
|--|------------------------------|--|---|------------------------|--|--|
| | | Lib 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 - $1^{3}/_{4}"$ long staples | Per stud |
| | | WSP | | Tean Thirth The T | Exterior sheathing per Table R602.3(3) | 6" edges 12" field |
| | | Wood structural panel (See Section R604) | 3/ ₈ " | | Interior sheathing per Table R602.3(1) or R602.3(2) | Varies by fastener |
| | ethods | BV-WSP ^e Wood structural panels with stone or masonry veneer (See Section R602.10.6.5) | 7/ ₁₆ " | See Figure R602.10.6.5 | 8d common $(2^{1}/_{2}^{"} \times 0.131)$ 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 $1^{1}/_{2}^{"}$ thick sheathing) $1^{3}/_{4}^{"}$ long × 0.12" dia. (for $2^{2}/_{32}$ " thick sheathing) galvanized roofing nails | 3" edges 6" field |
| | Intermitten | 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 | members |
| | | HPS Hardboard panel siding | d 7/16" for maximum 16" | | 0.092" dia., 0.225" dia. head nails with length to accommodate 1 ¹ / ₂ " 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 |
| | ۱ | | | | | |

. **.** .

MINIMUM LENGTH (Inches)

Wall Height

8 feet | 9 feet | 10 feet | 11 feet | 12 feet

48 48 48 53 58

55 62 69 NP NP

34

24 27 30 33 36

24 27 30 33 36

 26
 27
 30
 33
 36

 27
 27
 30
 33
 36

 27
 27
 30
 33
 36

30 29 30 33 36

32 30 30 33 36
 35
 32
 32
 33
 36

 38
 35
 33
 33
 36
 35

-- 49 43 40 39

---- |

48 41 38 36

32 34

48 53

38

NP

40 38 38

55 48 45

61

60 52 48

51

54

54 46 43 41

- 50 45 43

TABLE R602,10.5 MINIMUM LENGTH OF BRACED WALL PANELS

48 48

32

28

32

43

---- |

METHOD (See Table R602.10.4)

DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP

GB

LIB

CS-G

ABW

CS-WSP, CS-SFB

FASTEN KING STUD TO HEADER WITH 6 16D SINKERS

-FASTEN TOP PLATE TO HEADER WITH TWO

-- MIN. 3/8" WOOD STRUCTURAL PANEL SHEATHING

ROWS OF 16D SINKER NAILS AT 3" O.C. TYP.

SDC A, B and C, ultimate

design wind speed < 140 mph

SDC D_0 , D_1 and D_2 , ultimate

design wind speed < 140 mph

Adjacent clear opening height

(inches)

≤ 64

68

72

76 80

92

96

100

104

108

112

116

120

124

128

| | | | TARI 5 800 10 4-000 | tinuori | | т |
|------------------------------|---|---|---|--|--|--|
| | | | TABLE R602.10.4con BRACING METHOL | CONNECTION | CRITERIA | D WITH |
| M | ETHODS, MATERIAL | MINIMUM THICKNESS | FIGURE | Fasteners | Specing | |
| ig Methods | PFH Portal frame with hold-downs | ³⁄g″ | | See Section R602.10.6.2 | See Section R602.10.6.2 | DANCE ONAL DDE AN |
| Intermittent Bracing Methods | PFG Portal frame at garage | 7/ ₁₆ " | | See Section R602.10.6.3 | Sec Section R602.10.6.3 | I ACCORDANCE ERNATIONAL TIAL CODE AN DES. |
| | CS-WSP | 36.17 | | Exterior sheathing per Table R602.3(3) | 6" edges 12" field | |
| 숷 | Continuously sheathed wood structural panel | 3/g" | | Interior sheathing per Table R602.3(1) or R602.3(2) | Varies by fastener | |
| Continuous Sheathing Methods | CS-G ^{t, c} Continuously sheathed wood structural panel adjacent to garage openings | 3/g" | | See Method CS-WSP | See Method CS-WSP | BUILD 2018 I RESID LOCAL |
| uous Sh | CS-PF Continuously sheathed portal frame | 7/ ₁₆ " | | See Section R602.10.6.4 | See Section R602.10.6.4 | $\square \square \square \square$ |
| Contin | 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) $1\frac{3}{4}$ " long × 0.12" dia. (for $\frac{25}{32}$ " thick sheathing) galvanized roofing nails | 3" edges 6" field | |
| | Sign Caregories D _p , D ₁ and rage openings adjacent to a permitted adjacent to a Me thod CS-SFB does not app athod applies to detached o | Dation covering used shall Method CS-G panel. No in Seismic Design Categ- ne- and two-family dwellin Extent of HEADER WITH FHEADER WITH SINGLE F (ONE BRACED WALL PAN -18' FINISHED WIDTH OF FOR SINGLE OR DOUBLE WIDTH DEADER STEEL HE AT NET HEADER STEEL HE TEN SHEATHING TO HEAD NO OR GALVANIZED BO TERN AS SHOWN DER TO JACK-STUD STRA 10.5.4 ON BOTH SIDES OF SHEATHING TO HEAD OSITE SIDE OF SHEATHIN DOUBLE 27:4' FRAMING THICK WOOD STRUCTURAL A DOUBLE 27:4' FRAMING MICK WOOD STRUCTURAL A DOUBLE 27:4' FRAMING MOOD STRUCTURAL PANEL CONSTRUCTURAL PANEL CONSTRUCTURAL PANEL COOD STRUCTURAL PANEL MOOD STRUCTURAL PANEL MOOD STRUCTURAL PANEL MOOD STRUCTURAL PANEL MOOD STRUCTURAL PANEL FRAMING TO TOP OF BA R RIM JOIST WOOD STRUCTURAL PANEL FRONT ELEVATION FRONT ELEVATION FOOT = 304.8 mm. | DOUBLE PORTAL FRAMES portes D _o , D ₁ and D ₂ . Igs in Seismic Design Category DOUBLE PORTAL FRAMES DOUBLE PORTAL FRAMES PORTAL EL) DOUBLE PORTAL FRAME PORTAL ER WITH 8D X NAILS IN 3' GRID P PER TABLE F OFENING G COVERED WITH MIN. L PANEL SHEATHING NIZED BOX NAILS AT SS, TABLE R602.10.5 IR HOLTS IS.1.6 WITH ND NAIL SOLE PLATE TO JOIST PER TABLE R602.3(1) IL RUCTURAL PANEL SHEATHIN DOUR BAND OR RIM JOISTY ELD NAIL SOLE PLATE TABLE R602.3(1) I RUCTURAL FANEL SHEATHIN MING ANCHOR OPTION N | TWO BRACED WALL PANELS | A full-height clear opening shall n CONTINUIOUSLY SHE WILL PANEL MEETING LENGTH REQUIREMENT RECUIREMENT ALL EATHED THE HTT. CONTINUIOUSLY SHE HEROURAN PER DE EATHED THE HTT. CONTINUE STOP TON DE STOP TON DE STOP THE STOP THE STOP THE STOP THE STOP THE STOP THE STOP THE STOP THE STOP THE STOP THE STOP THE STOP THE STOP | TRUMARK HOMES KYLE VⅢ LOT 170 RESERVE AT WOODSIDE RIDGE 2113 NW O'BRIEN RD LEE SUMMIT MO |
| | N | iethod CS-PF—C | Continuously sh | URE R602.10.6.4 EATHED PORTAL FRAME | PANEL CONSTRUCT | SCALE |
| | | | | | | 1/4" = 1-0 |
| | | | | | | DATE 6-14-22 |

FIGURE MINIMUM THICKNESS

METHODS, MATERIAL

Methods CS-WEP, CS-G, CS-PF

3.5

4.5

6.0

7.5

9,0

6.5

9.0

11.5

14.0

17.0

5.0

9.0

13.0

17.0

21.0

25.0

3.5

TABLE R602.10.4 BRACING METHODS

CONNECTION CRITERIA"

Fasteners

Spacing

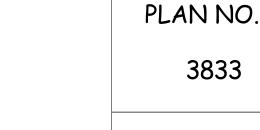
CONTRIBUTING LENGTH

(Inches)

58

42

NP



SHEET NO.

3833

5 OF 5

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI

