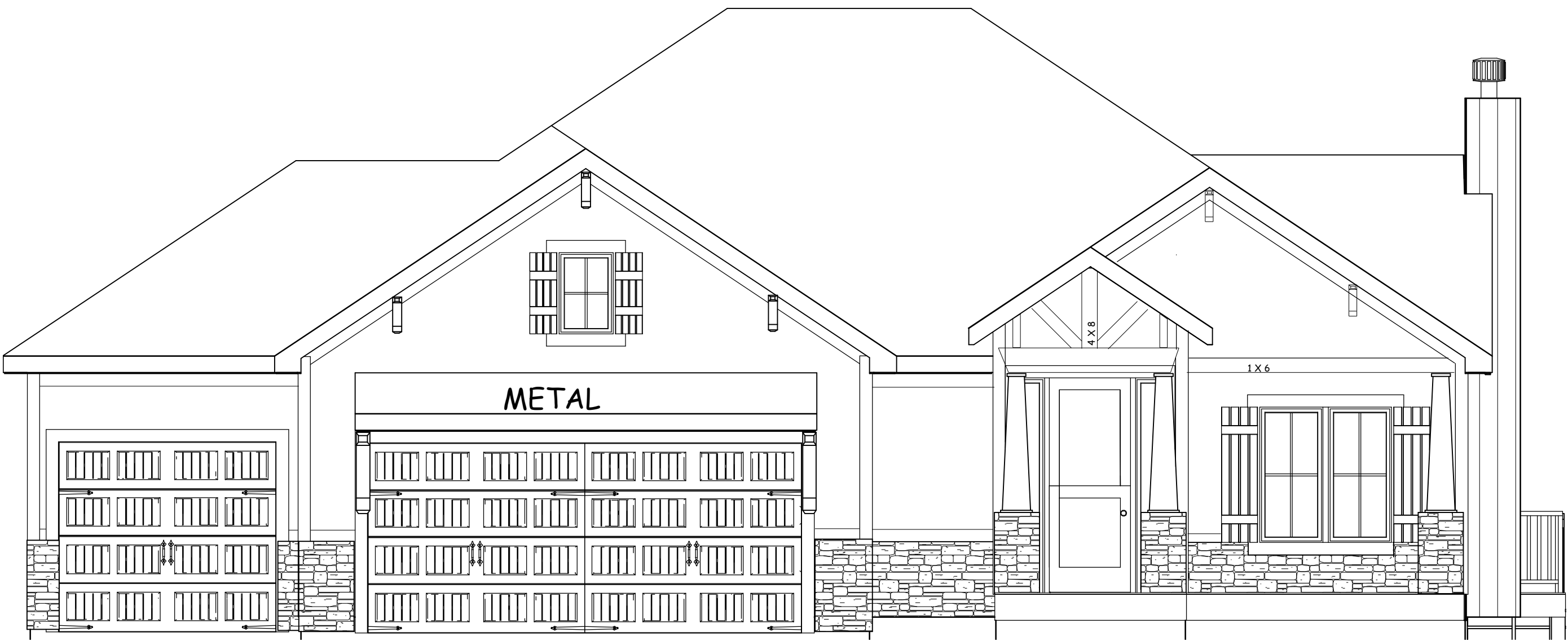
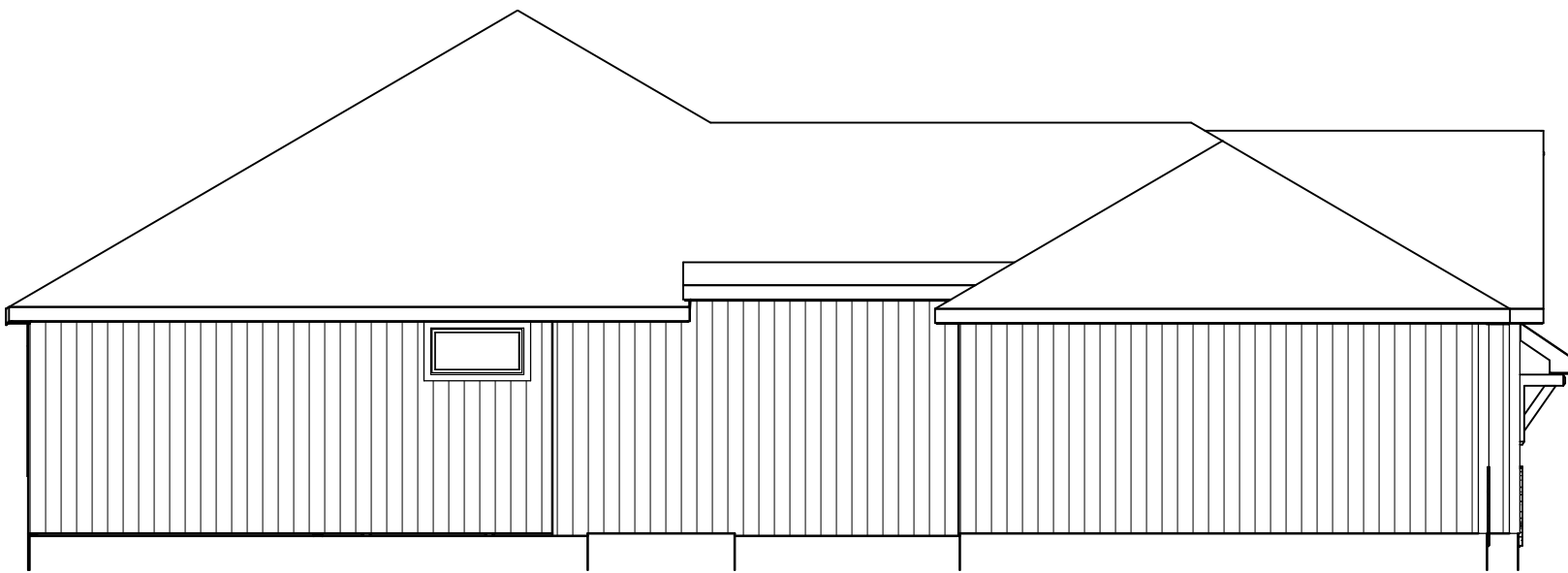


ROOF PLAN
1/8" = 1'-0"
SIDE TO SIDE 8/12
FRONT TO BACK 7/12

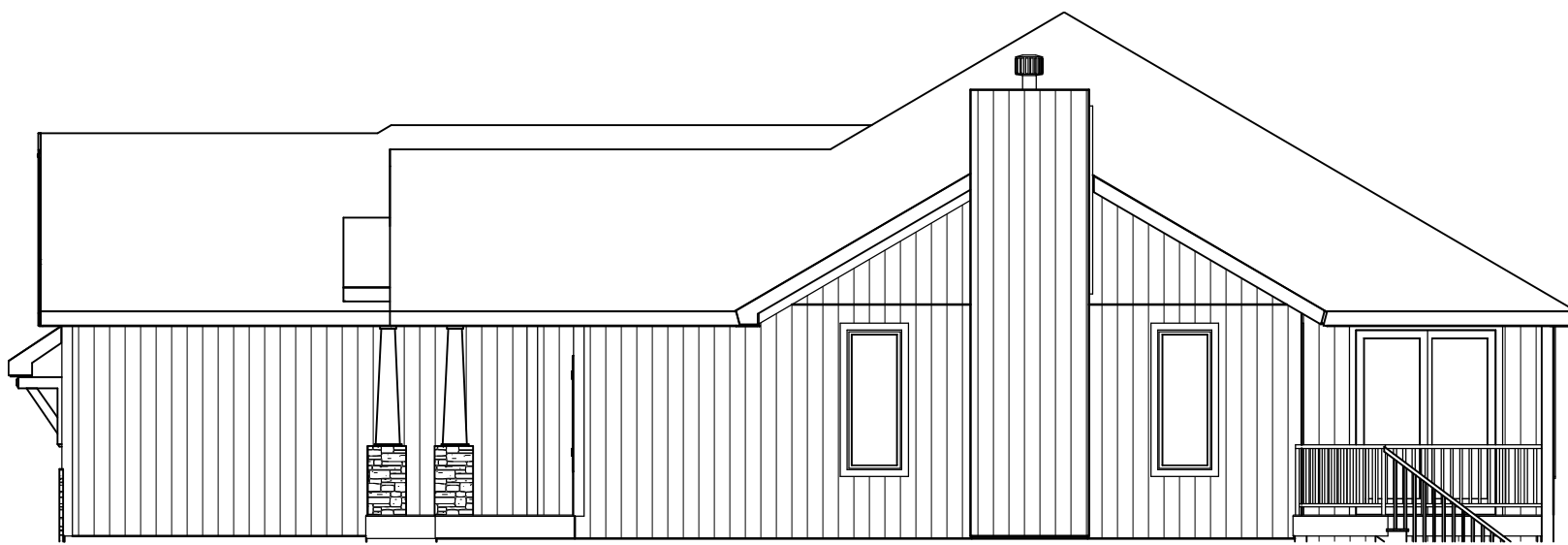
RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.
HIPS AND RIDGERS 2 X 8 DF NO 2
TYP.



FRONT EL.
STUCCO & STONE



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



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

3 SIDES LP PANEL SIDING



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

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/29/2023



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

LOT 140 MONTICELLO
4720 NE JAMESTOWN DR
LEE SUMMIT MO

TRUMARK HOMES
KYLE II

SCALE
1/4" = 1'-0"

DATE
9-27-23

PLAN NO.
4120

SHEET NO.
1 OF 5

LOT 140 MONTICELLO
4720 NE JAMESTOWN DR
LEE SUMMIT MO

TRUMARK HOMES
KYLE II

DATE
9-27-23

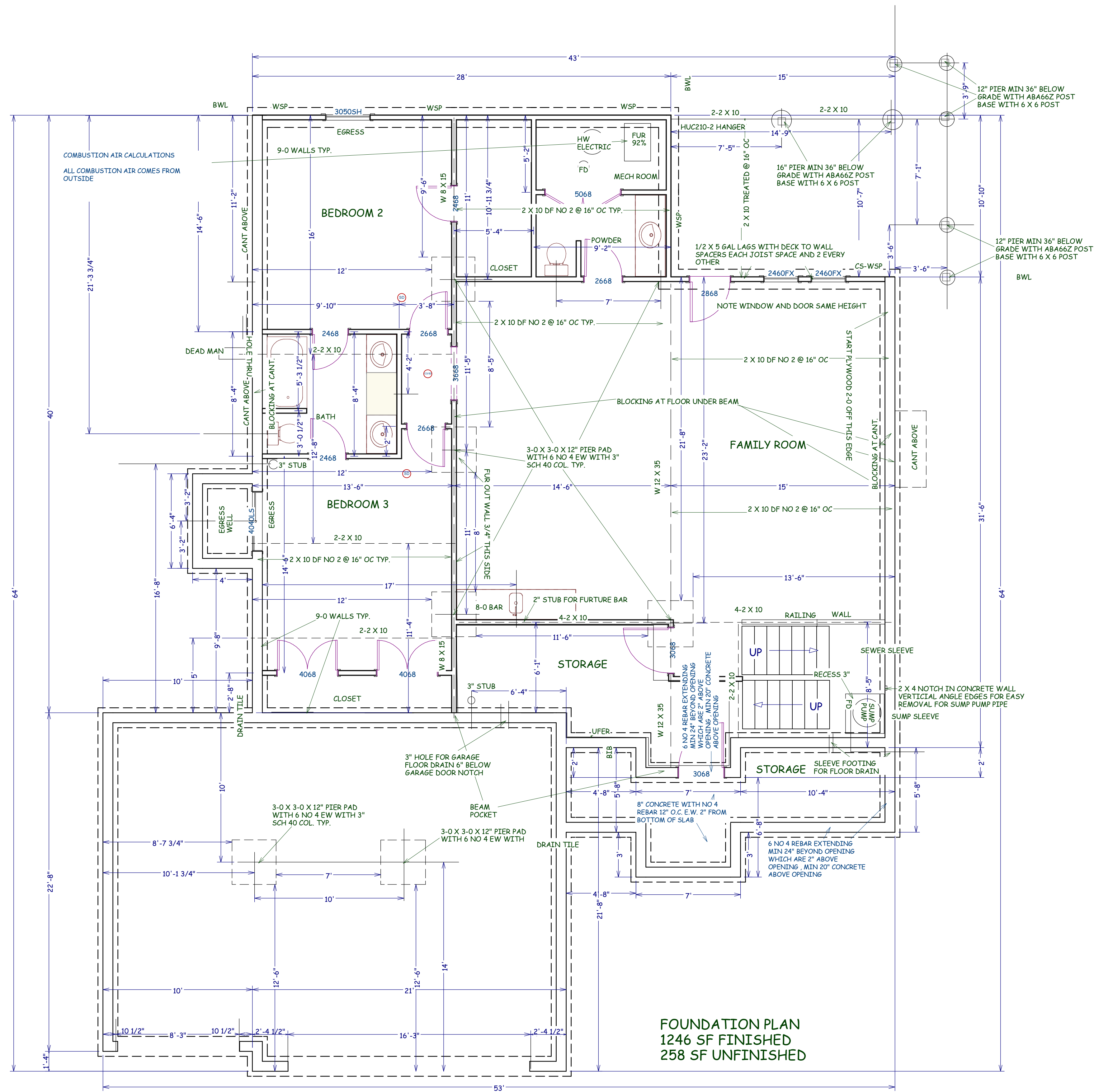
SHEET NO

2 OF 5



STATE OF MISSISSIPPI
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
MEMPHIS, TENNESSEE

[Handwritten Signature]
9-27-23



LOT 140 MONTICELLO
4720 NE JAMESTOWN DR
LEE SUMMIT MO

TRUMARK HOMES
KYLE II

SCALE
1/4" = 1'-0"

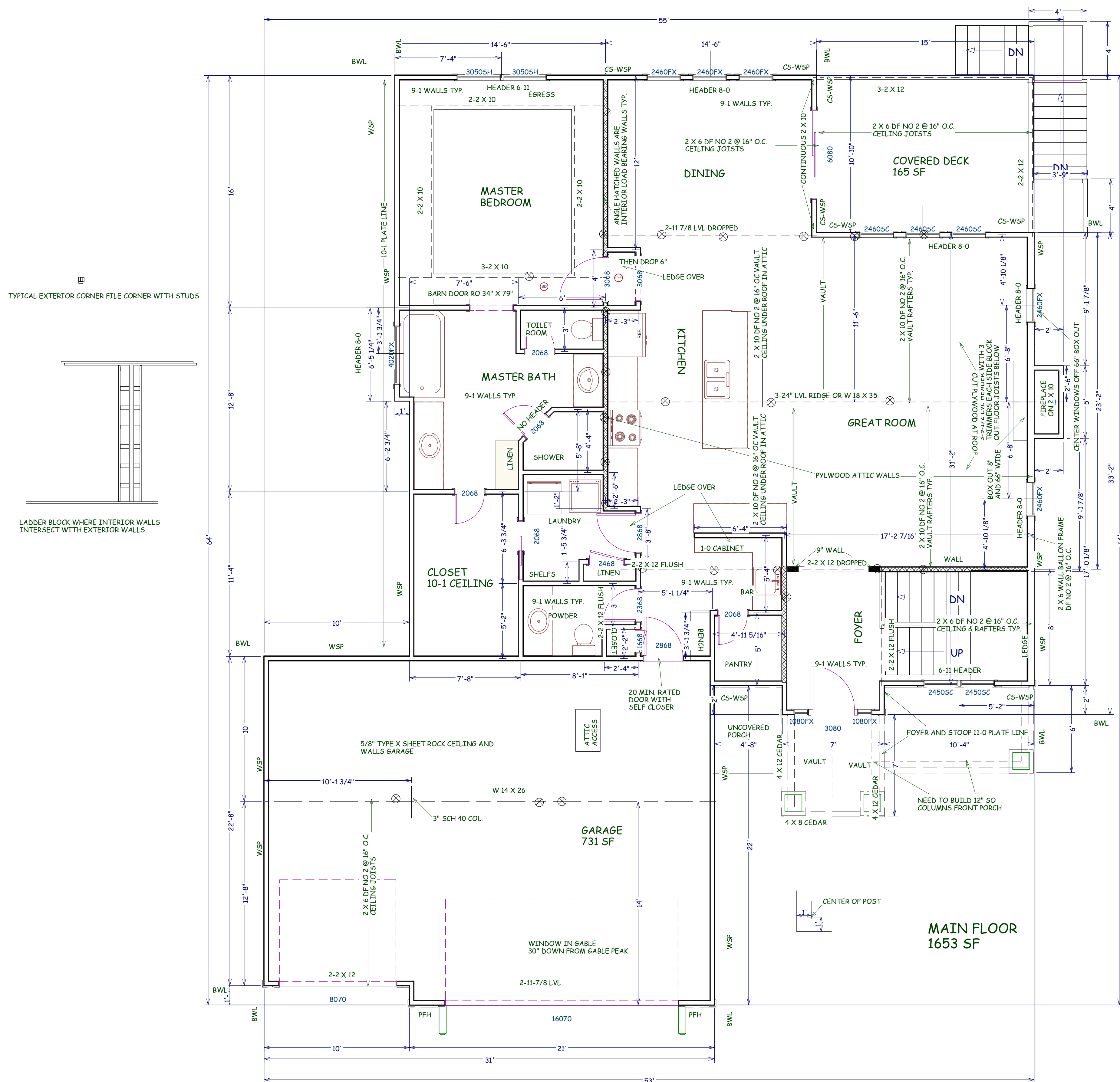
DATE
9-27-23

PLAN NO.
4120

SHEET NO.

3 OF 5

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/29/2023



| EXPOSURE CATEGORY B 35-FOOT MEAN ROOF HEIGHT 15-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 | Method LIB ^b | Method GB | Methods DWB, WSP, SFB, PBS, PCP, WSP, BV-WSP, ABW, PFH, PFC, 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 |

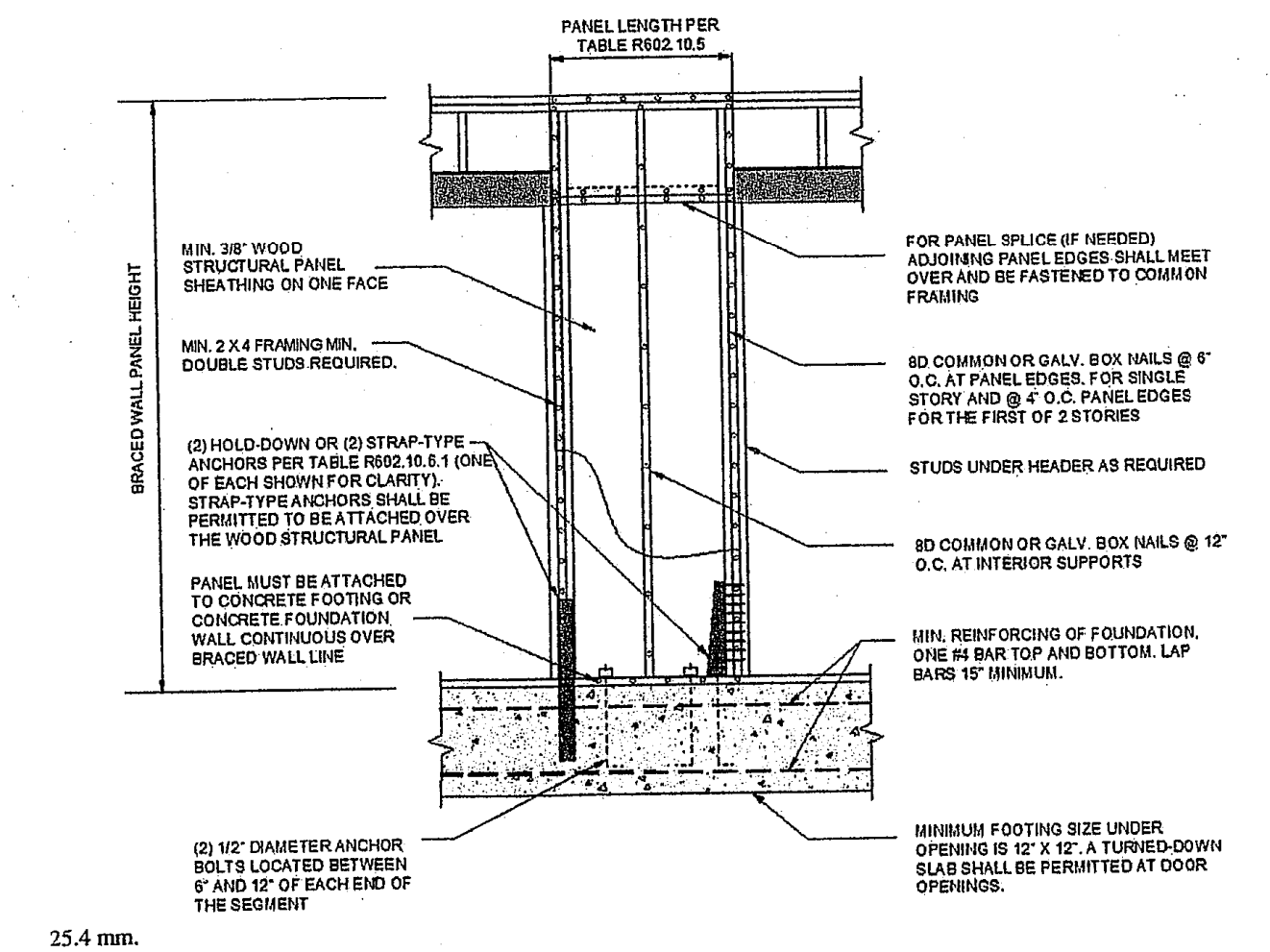


FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL

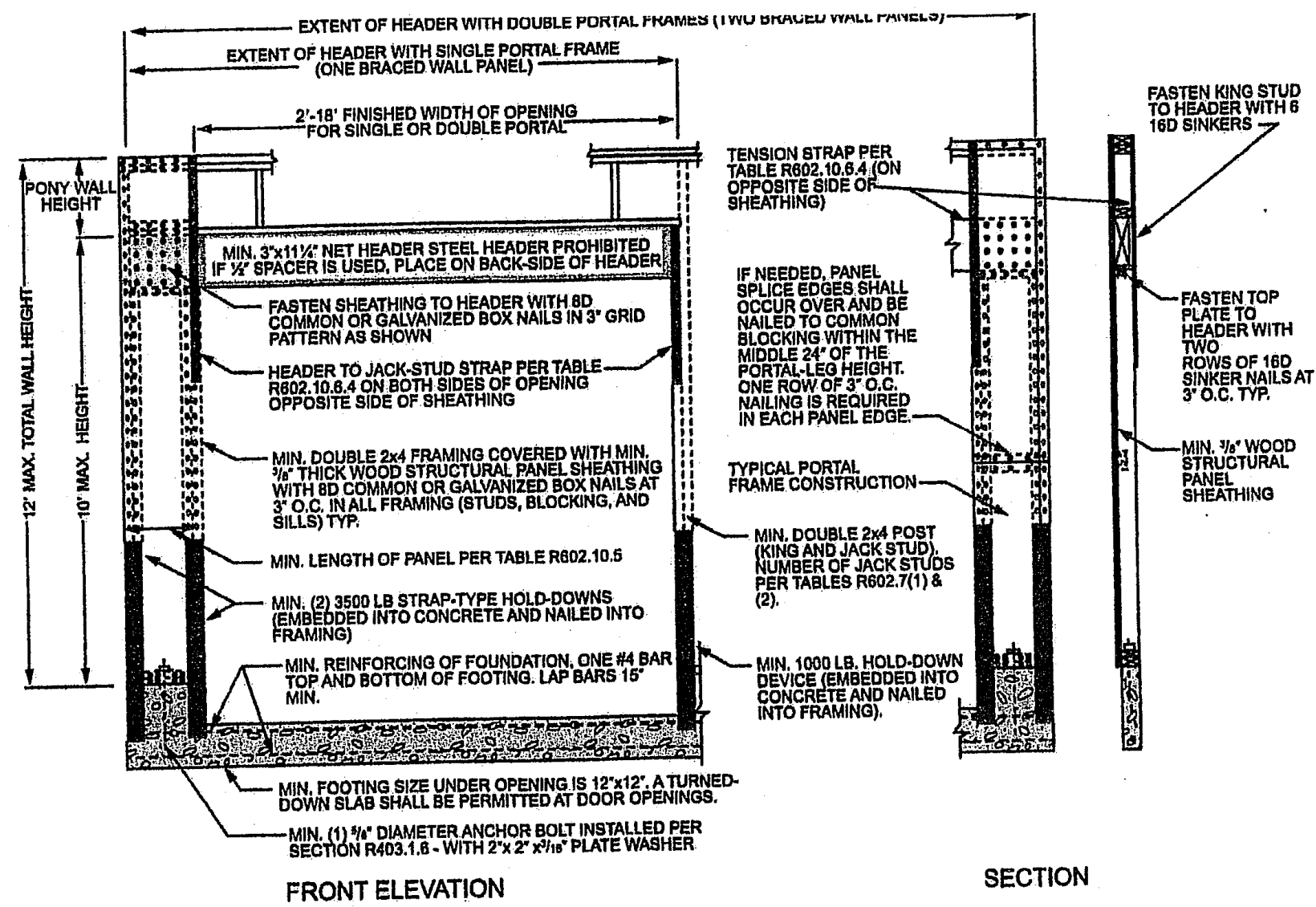


FIGURE R602.10.6.2
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

| METHODS, MATERIAL | | MINIMUM THICKNESS | FIGURE | CONNECTION CRITERIA ^a | |
|-------------------------------|--|---|--|--|--|
| | | | | Fasteners | Spacing |
| Increment Bracing Methods | LIB Let-in bracing | 1 x 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing | | Wood: 2-8d common nails or 3-8d (2 1/2" long x 0.113" dia.) nails Metal strap: per manufacturer | Wood: per stud and top and bottom plates Metal: per manufacturer |
| | DWB Diagonal wood boards | 1/2" (1" nominal) for maximum 24" stud spacing | | 2-8d (2 1/2" long x 0.113" dia.) nails or 2 - 1 1/4" long staples | Per stud |
| | WSP Wood structural panel (See Section R604) | 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 |
| | BV-WSP ^b 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" x 0.131) nails | 4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts |
| | SFB Structural fiberboard sheathing | 1/2" or 5/8" for maximum 16" stud spacing | | 1 1/2" long x 0.12" dia. (for 1/2" thick sheathing) 1 1/2" long x 0.125" dia. (for 5/8" thick sheathing) galvanized roofing nails | 3" edges 6" field |
| | 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) | 1/2" or 1/2" for maximum 16" stud spacing | | For 1/2", 6d common (2" long x 0.113" dia.) nails For 1/2", 8d common (2 1/2" long x 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" dia. head nails or 7" x 1/4" 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 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 | |

| METHOD (See Table R602.10.4) | MINIMUM LENGTH ^a (inches) | | | | | CONTRIBUTING LENGTH (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 |
| 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 |
| | 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 |
| | ≤ 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 | — | — | — | — | 65 |
| | 140 | — | — | — | — | 72 |
| | 144 | — | — | — | — | — |
| METHOD (See Table R602.10.4) | Portal header height | | | | | 48 |
| PFH | Supporting roof only | 16 | 16 | 16 | Note c | |
| PFH | Supporting one story and roof | 24 | 24 | 24 | Note c | |
| PFH | | 24 | 27 | 30 | Note d | |
| CS-PF | SDC A, B and C | 16 | 18 | 20 | Note e | 1.5 x Actual ^b |
| CS-PF | SDC D ₁ , D ₂ and D ₃ | 16 | 18 | 20 | Note e | 1.5 x 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 where it is greater than or equal to the minimum length.
c. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.6.3, 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 R602.10.6.3, 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.

| METHODS, MATERIAL | MINIMUM THICKNESS | FIGURE | CONNECTION CRITERIA ^a |
|--|-------------------|--------|---|
| PFH Portal frame with hold-downs | 1/2\" | | See Section R602.10.6.2 |
| PFH Portal frame at garage | 1/2\" | | See Section R602.10.6.3 |
| CS-WSP Continuously sheathed wood structural panel | 1/2\" | | Exterior sheathing per Table R602.3(3) Interior sheathing per Table R602.3(1) or R602.3(2) |
| CS-G ^b Continuously sheathed wood structural panel adjacent to garage openings | 1/2\" | | See Method CS-WSP |
| CS-PF Continuously sheathed portal frame | 1/2\" | | See Section R602.10.6.4 |
| CS-SFB ^b Continuously sheathed structural fiberboard | 1/2\" | | 1 1/2\" |

For SI: 1 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, 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.

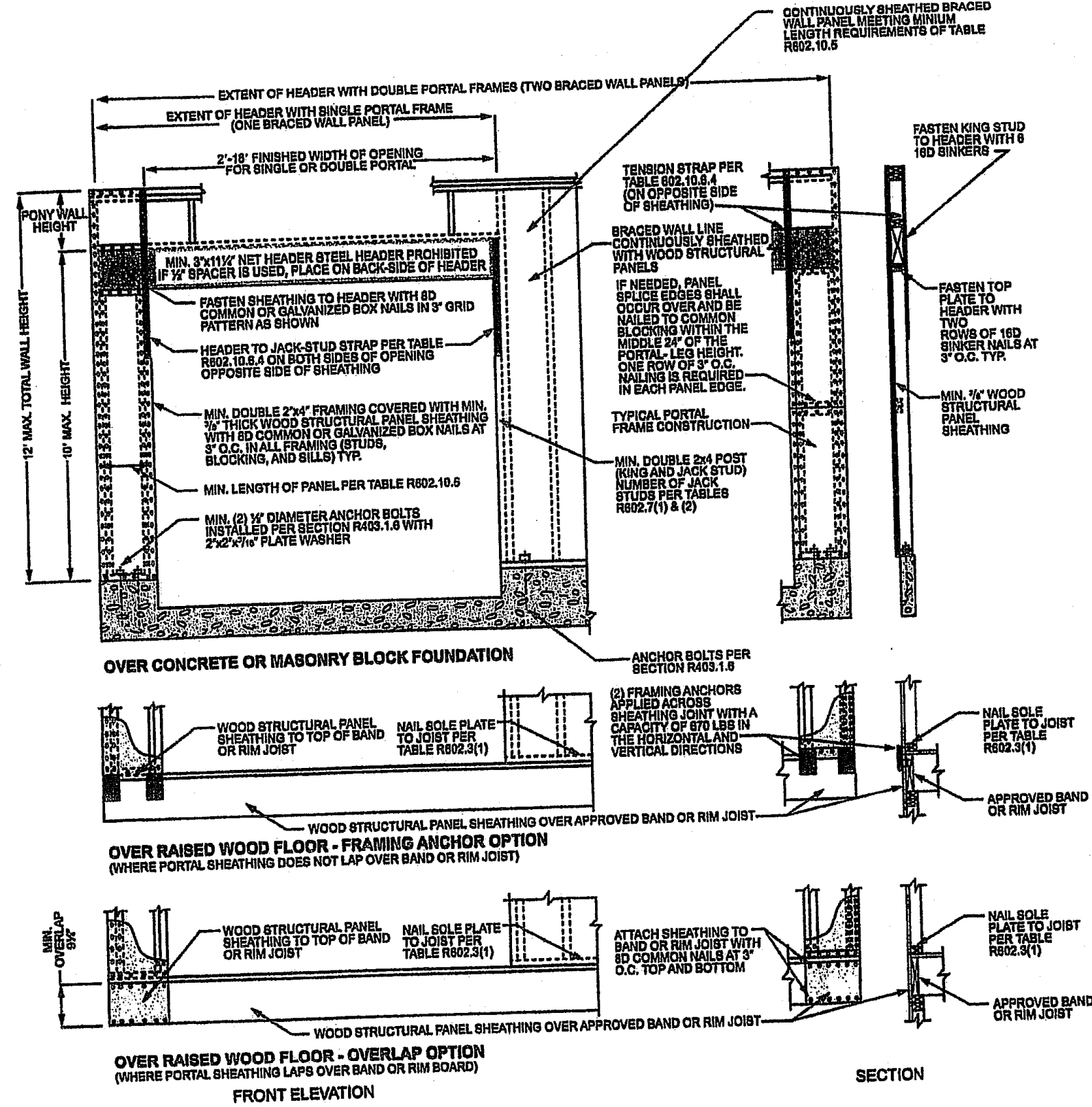
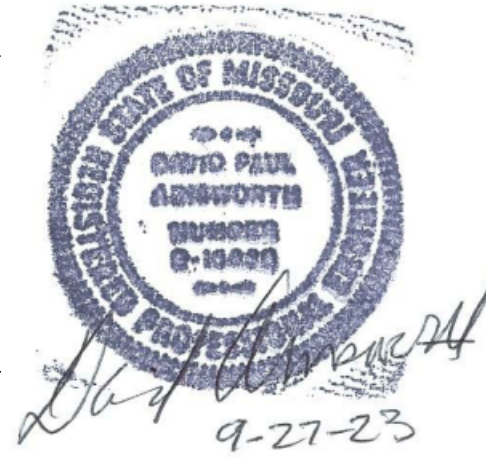


FIGURE R602.10.6.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

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



BUILD IN ACCORDANCE WITH
2018 INTERNATIONAL
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LOT 140 MONTICELLO
4720 NE JAMESTOWN DR
LEE SUMMIT MO

TRUMARK HOMES
KYLE II

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1/4" = 1'-0"

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4120

SHEET NO.

5 OF 5

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