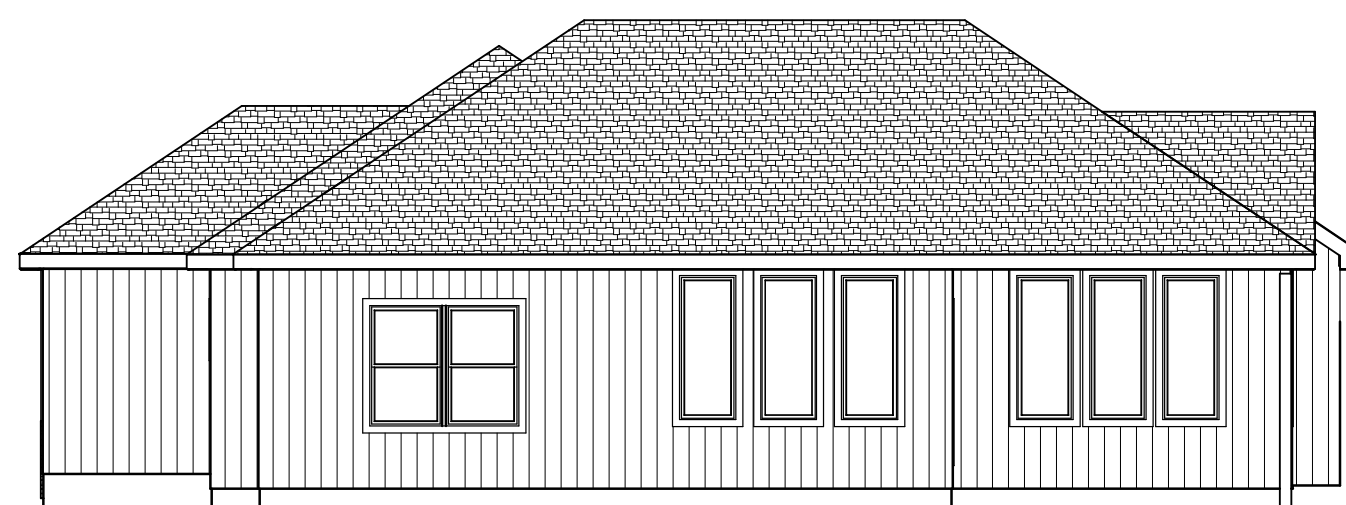




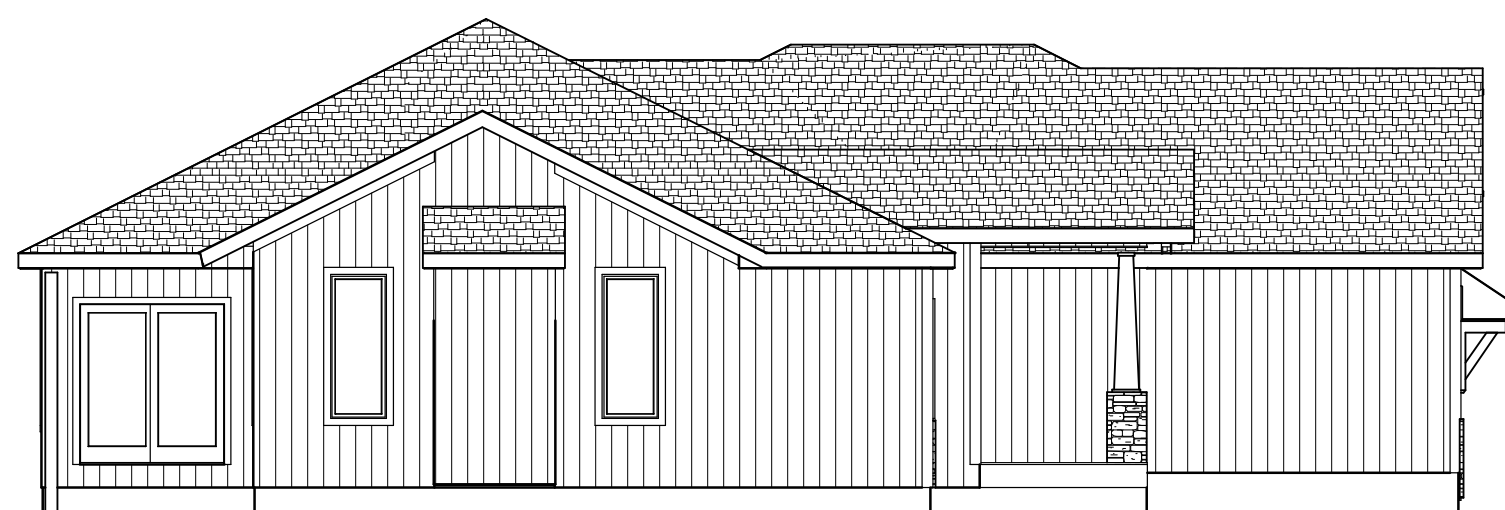
FRONT EL.
STUCCO AND STONE

HILLCRESTRAISED NO BRACKETS

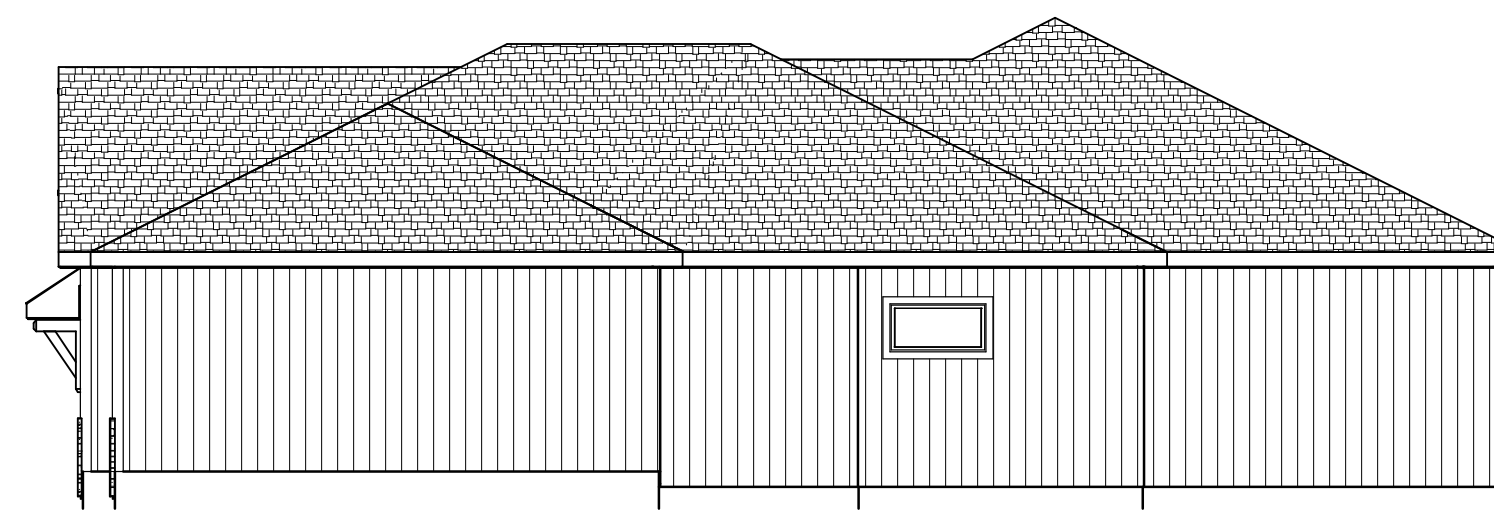


3 SIDES LP PANEL SIDING

REAR EL.
1/8 = 1-0



LEFT EL.
1/8 = 1-0



RIGHT EL.
1/8 = 1-0



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

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

TRUMARK HOMES
KYLE I
LOT 144 MONTICELLO
4717 NE JAMESTOWN DR
LEE SUMMIT MO

SCALE
1/4" = 1-0

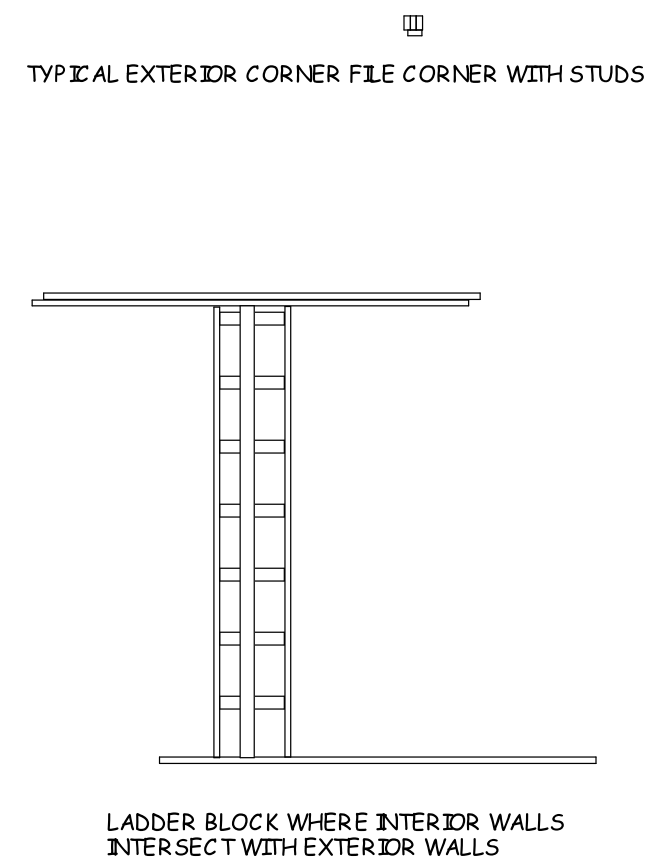
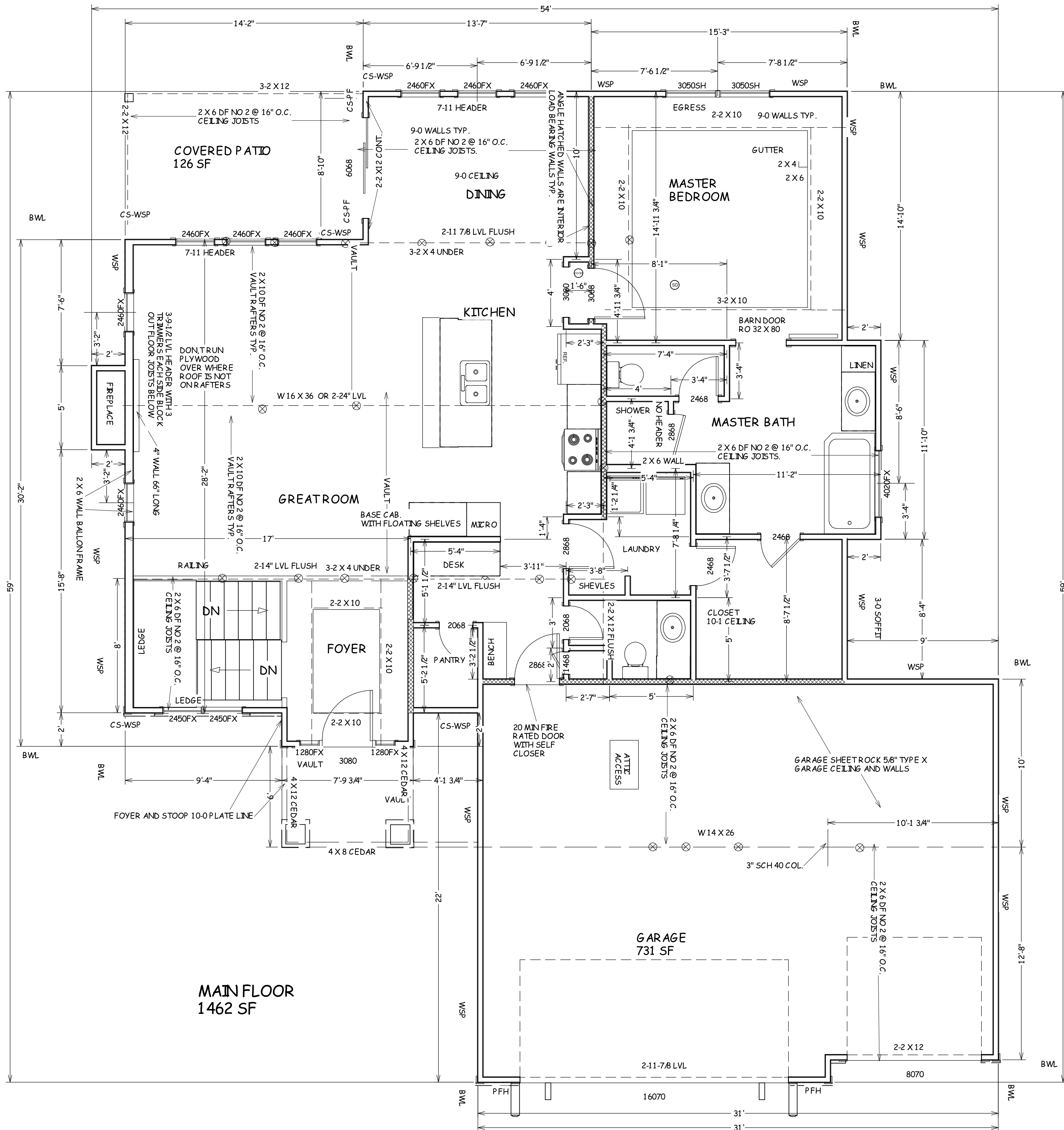
DATE
5-11-22

PLAN NO.
3792

SHEET NO.
1 OF 5



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



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

**TRUMARK HOMES
KYLE I
LOT 144 MONTICELLO
4717 NE JAMESTOWN DR
LEE SUMMIT MO**

**SCALE
1/4" = 1-0**

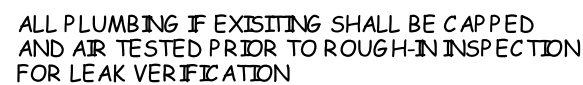
**DATE
5-11-22**

**PLAN NO.
3792**

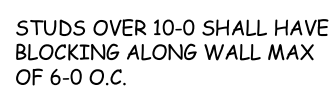
**SHEET NO.
3 OF 5**

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

DUCTWORK NEEDS TO HAVE AN R-8 VALUE



22. COMPLIANCE WITH THE REQUIREMENT AND SHOW CONNECTION AS
NEEDED FOR ROOF BEAM, TRUS, RAFTER, AND GIRDER CONNECTION FOR
UPLIFT PER IRC 802.11. ALL RAFTERS BE IN COMPLIANCE WITH IRC 502.11
AMENDED RAYMORE CODE



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



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

TRUMARK HOMES
KYLE I
LOT 144 MONTICELLO
4717 NE JAMESTOWN DR
LEE SUMMIT MO

SCALE
1/4" = 1-0

DATE
5-11-22

PLAN NO.
3792

SHEET NO.

5 OF 5
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
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LEE'S SUMMIT, MISSOURI

| TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED | | | | | | |
|---|----------------|--|-------------------------|-----------|---|-----------------------------|
| EXPOSURE CATEGORY B • 35-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 LIB ^c | Method GB | Methods DWS, WSP, SFB, PBS, PCP, HPS, BV-WSP, ABW, FPF, 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 |

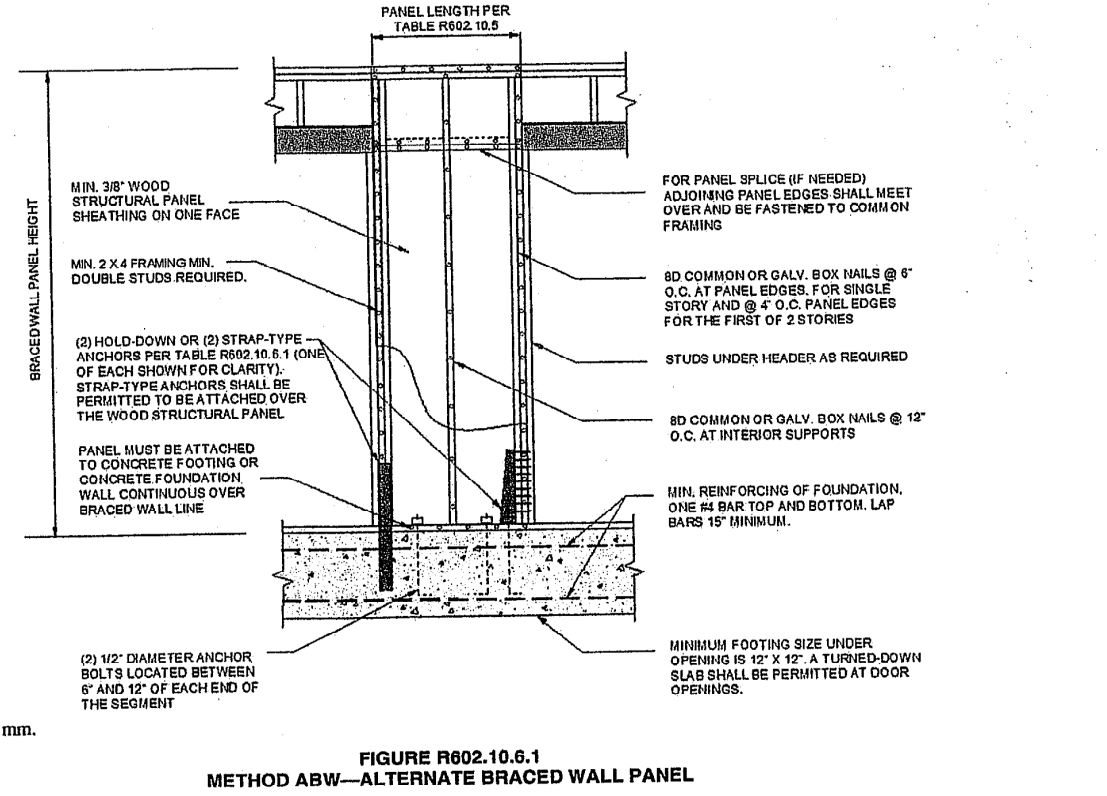


FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL

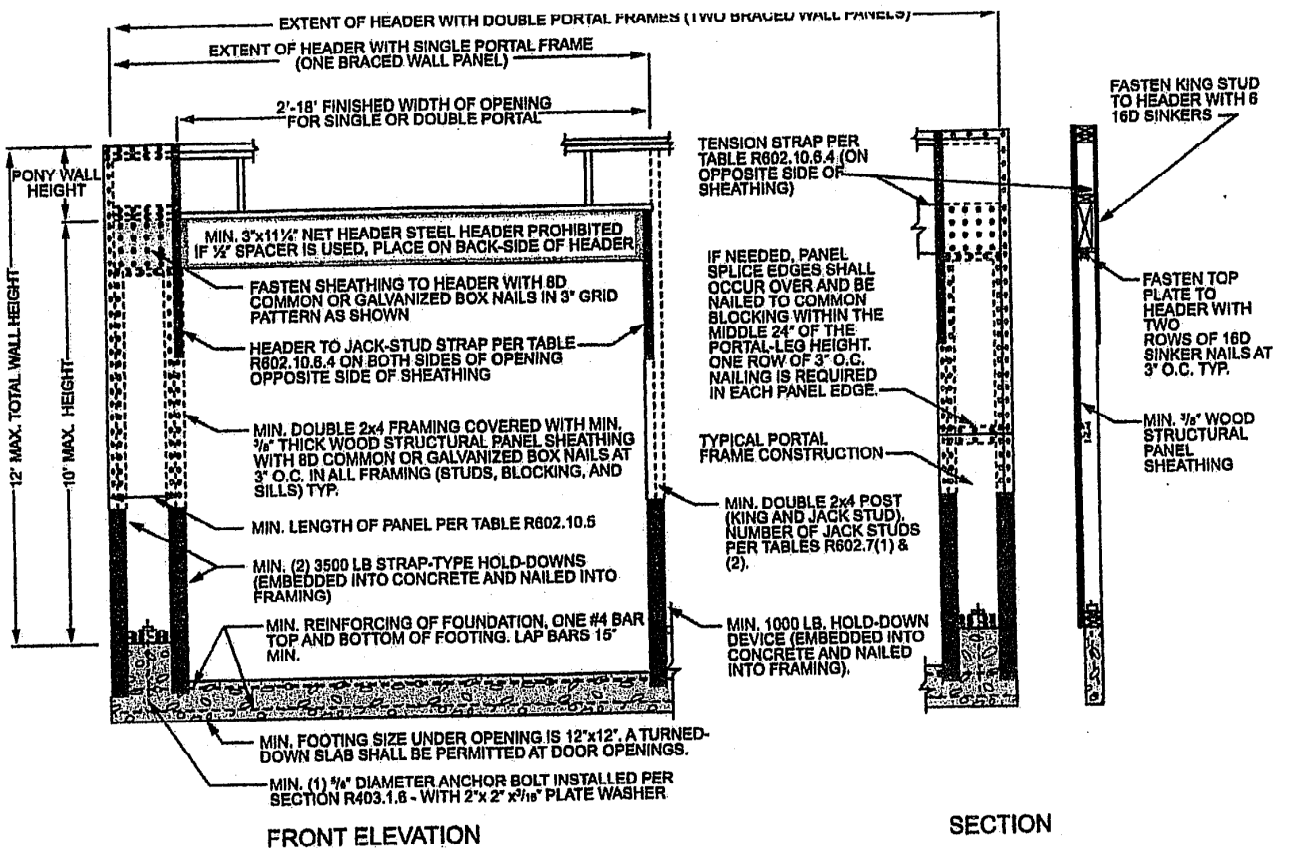


FIGURE R602.10.6.2
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

| TABLE R602.10.4 BRACING METHODS | | | | | |
|--|---|------------------------|---|---|--------|
| METHODS, MATERIAL | MINIMUM THICKNESS | FIGURE | CONNECTION CRITERIA ^a | | FIGURE |
| | | | Fasteners | Spacing | |
| LIB Let-in-bracing | 1 x 4 wood or approved metal straps at 45° to 60° angles for maximum 16\"/> | | 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 bracing | 3/4\"/> | | 2-8d (2 1/2\"/> | 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\"/> | |
| BV-WSP ^b Wood structural panels with stone or masonry veneer (See Section R602.10.6.5) | 3/8\"/> | See Figure R602.10.6.5 | 8d common (2 1/2\"/> | 4\"/> | |
| SFB Structural fiberboard sheathing | 1/2\"/> | | 1 1/2\"/> | 3\"/> | |
| 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\"/> | |
| PBS Particleboard sheathing (See Section R605) | 3/4\"/> | | For 3/4\"/> | 3\"/> | |
| PCP Portland cement plaster | See Section R703.7 for maximum 16\"/> | | 1 1/2\"/> | 6\"/> | |
| HPS Hardboard panel siding | 3/8\"/> | | 0.092\"/> | 4\"/> | |
| ABW Alternate braced wall | 3/8\"/> | | 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 |
| DWS, WSP, SFB, PBS, PCP, HPS, BV-WSP | | 48 | 48 | 48 | 53 | 58 |
| GB | | 48 | 48 | 48 | 53 | 58 |
| LIB | | 55 | 62 | 69 | 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 | | 24 | 27 | 30 | 33 | 36 |
| CS-WSP, CS-SFB | Adjacent clear opening height (inches) | | | | | |
| | ≤ 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 | 51 | 48 |
| | 124 | — | — | — | 56 | 51 |
| | 128 | — | — | — | 61 | 54 |
| | 132 | — | — | — | 66 | 58 |
| | 136 | — | — | — | — | 62 |
| | 140 | — | — | — | — | 66 |
| | 144 | — | — | — | — | 72 |
| | Portal header height | | | | | |
| | 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 | Note d |
| PFH | | 16 | 18 | 20 | Note e | Note e |
| CS-PF | | 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 where it is greater than or equal to the minimum length.
c. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.6.2, but wall height shall be permitted to be increased to 12 feet with pony wall.
d. 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.
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 | | FIGURE |
| | | | Fasteners | Spacing | |
| PFH Portal frame with hold-downs | 3/4\"/> | | See Section R602.10.6.2 | See Section R602.10.6.2 | |
| PFH Portal frame at garage | 3/4\"/> | | See Section R602.10.6.3 | See Section R602.10.6.3 | |
| 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\"/> | |
| CS-G ^b Continuously sheathed wood structural panel adjacent to garage openings | 3/8\"/> | | See Method CS-WSP | See Method CS-WSP | |
| CS-PF ^c Continuously sheathed portal frame | 3/8\"/> | | See Section R602.10.6.4 | See Section R602.10.6.4 | |
| CS-SFB ^d Continuously sheathed structural fiberboard | 1/2\"/> | | 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 and 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 5 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.

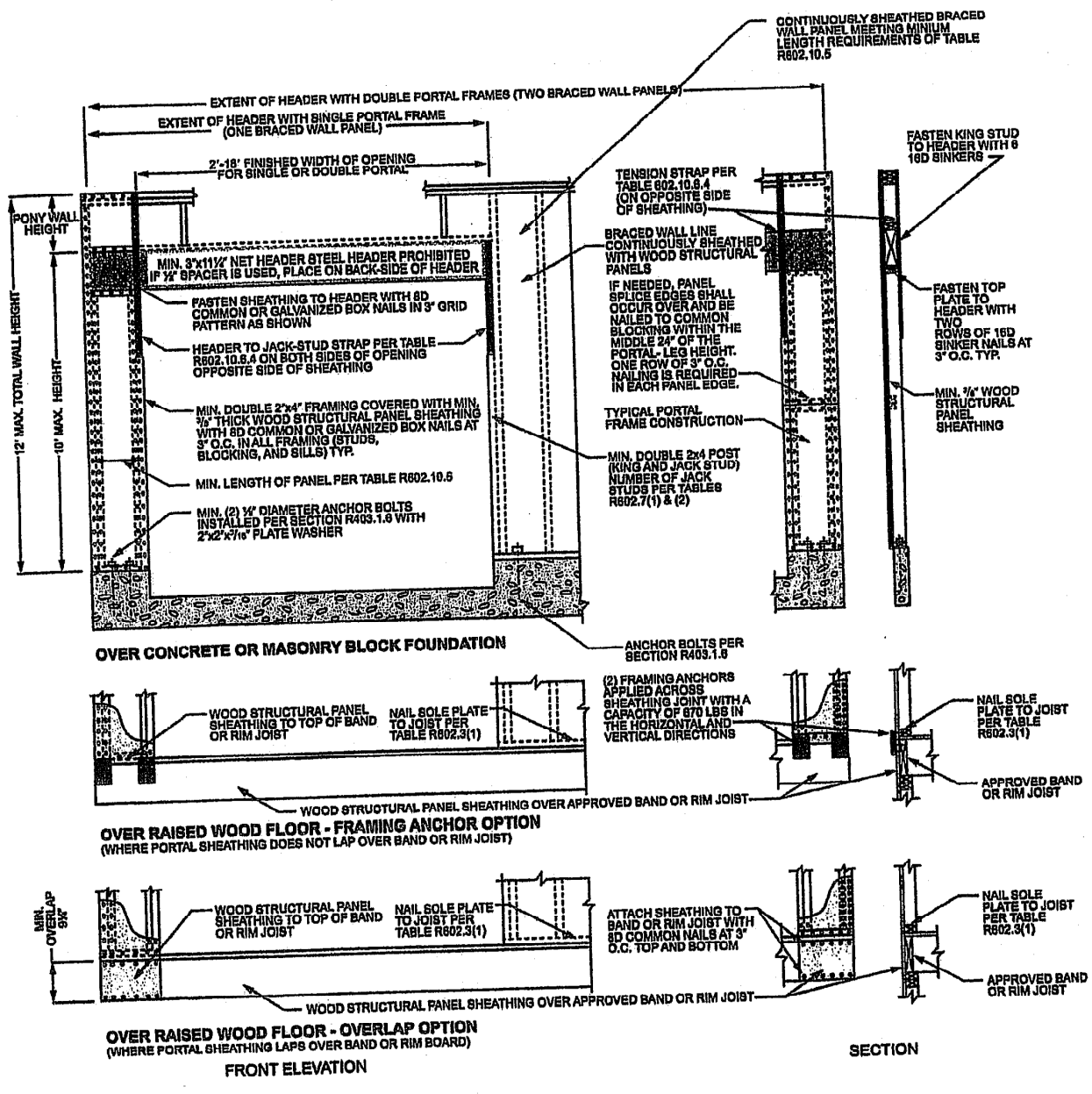


FIGURE R602.10.6.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

