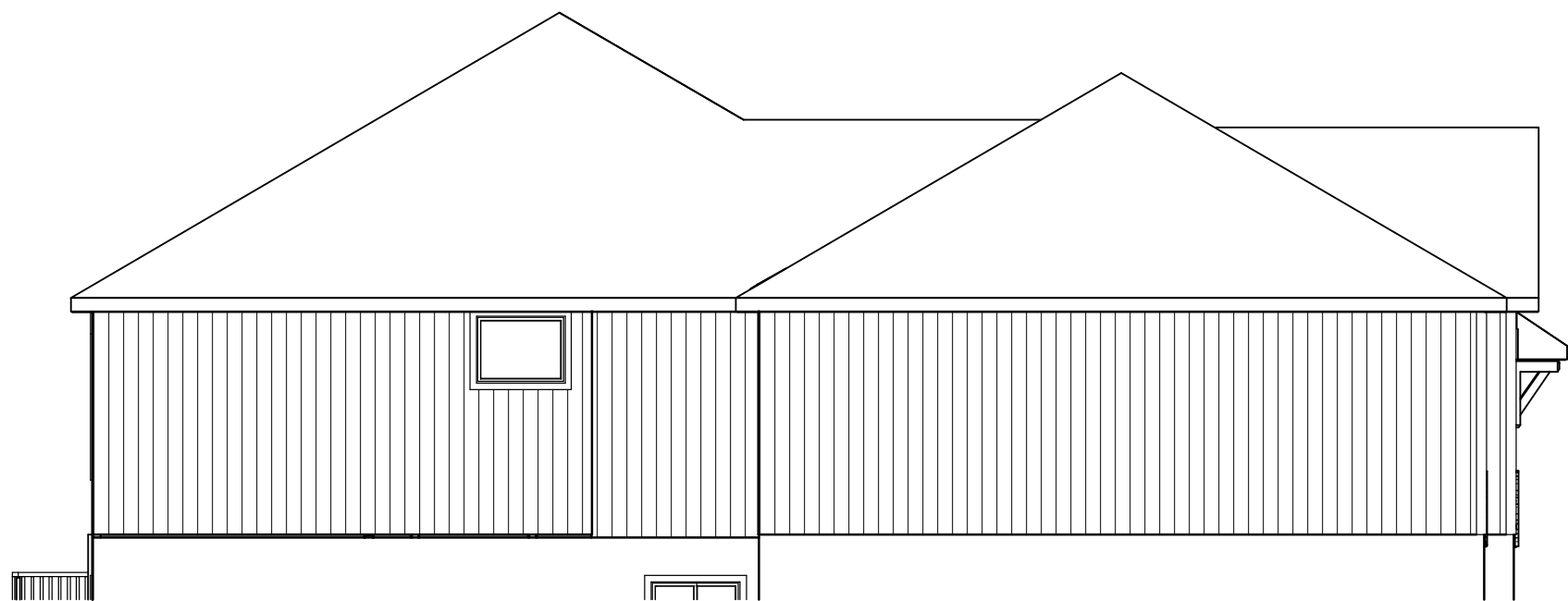


ROOF PLAN
1/8 = 1-0
SIDE TO SIDE 8/12
FRONT TO BACK 7/12

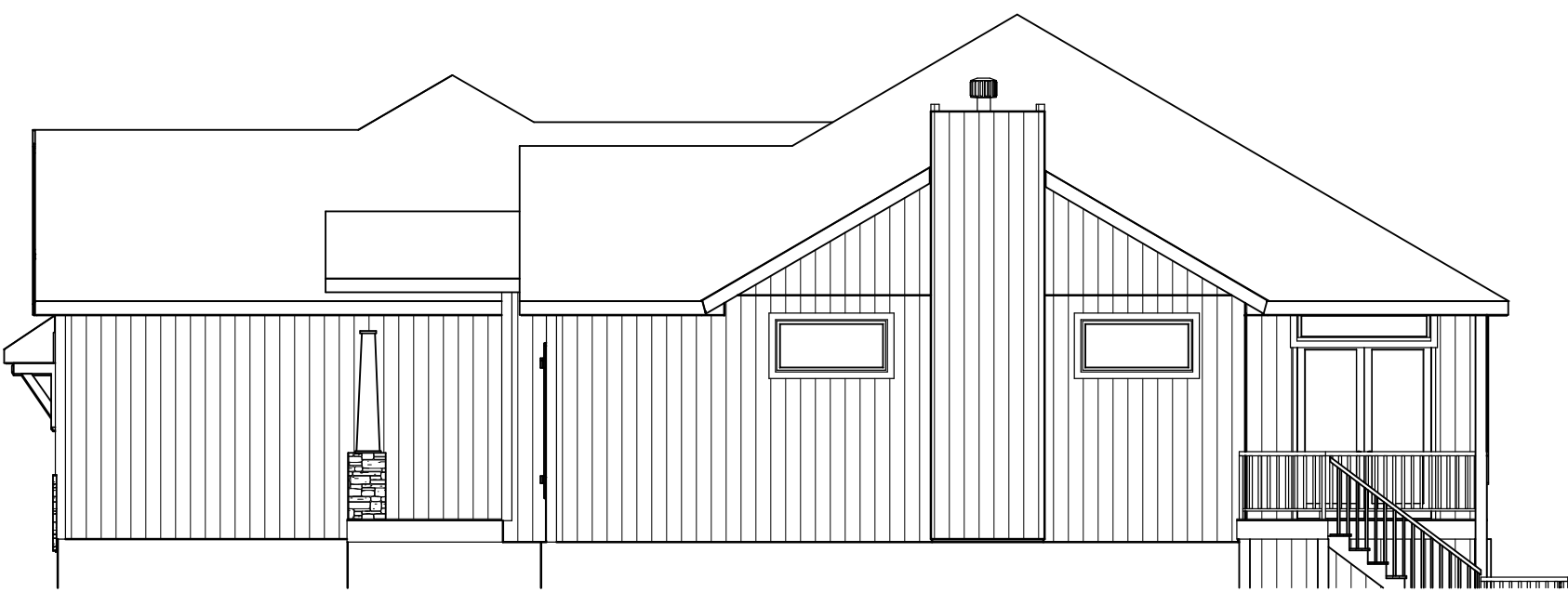
RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.
HIPS AND RIDGERS 2 X 8 DF NO 2 TYP.



FRONT EL.
STUCCO & STONE



LEFT EL.
1/8 = 1-0



RIGHT EL.
1/8 = 1-0



REAR EL.
1/8 = 1-0



RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI
BY _____
DATE _____

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

LOT 128 MONTICELLO
4805 NE FREEHOLD CT
LEE SUMMIT MO

TRUMARK HOMES
KYLE II

SCALE
1/4" = 1-0

DATE
5-11-21

PLAN NO.
3509

SHEET NO.
1 OF 5

LOT 128 MONTICELLO
4805 NE FREEHOLD CT
LEE SUMMIT MO

TRUMARK HOMES
KYLE II

DATE
5-11-21

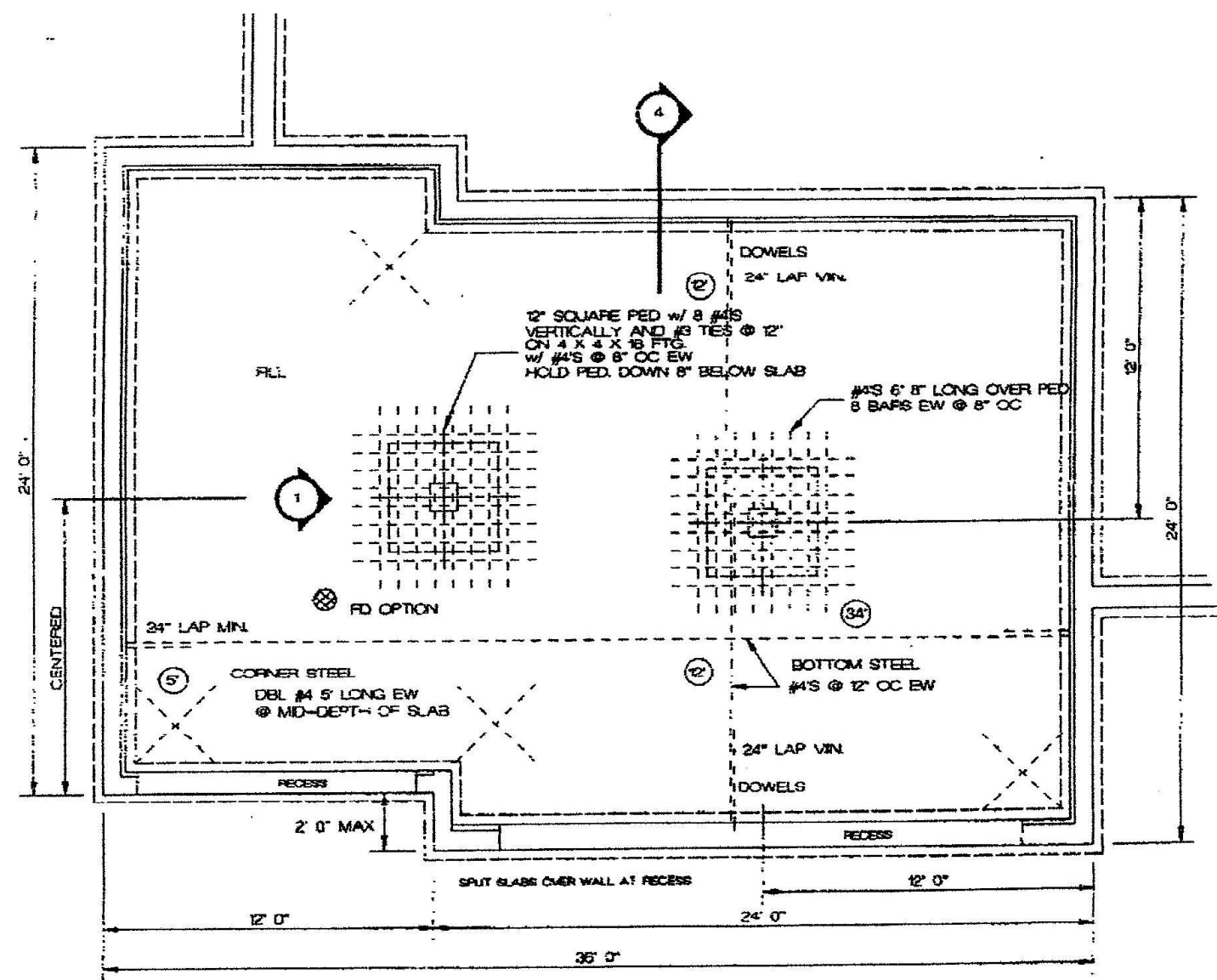
SHEET NO.

~~2 OF 5~~

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI

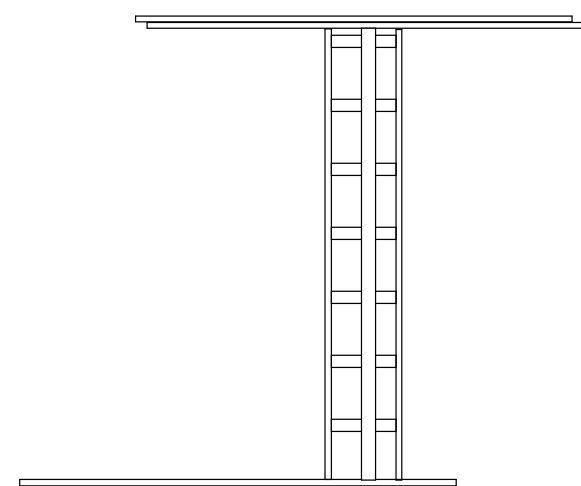
BY _____
DATE _____



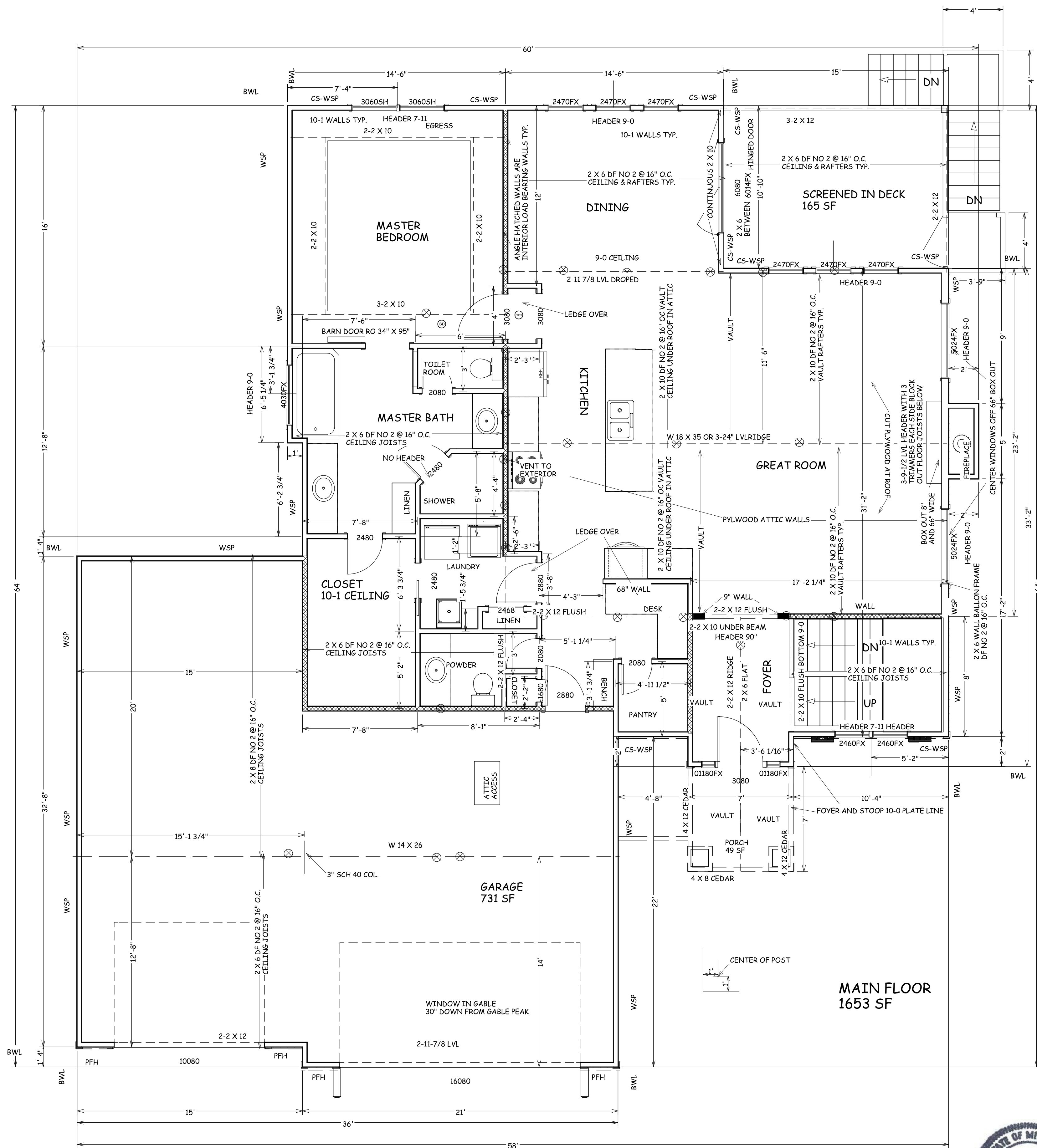


GARAGE SLAB ON FILL
NOT TO SCALE

TYPICAL EXTERIOR CORNER FILE CORNER WITH STUDS



LADDER BLOCK WHERE INTERIOR WALLS
INTERSECT WITH EXTERIOR WALLS



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

LOT 128 MONTICELLO
4805 NE FREEHOLD CT
LEE SUMMIT MO

TRUMARK HOMES
KYLE II

SCALE
1/4" = 1'-0

DATE
5-11-21

PLAN NO.
3509

SHEET NO.

3 OF 5

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI

BY
DATE

| TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED | | | | | | |
|---|----------------|--|-------------------------|-----------|---|-----------------------------------|
| EXPOSURE CATEGORY B 10-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 DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP, ABW, PFH, PFG, CS-SFB | Methods CS-WSP, CS-Q, 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 |

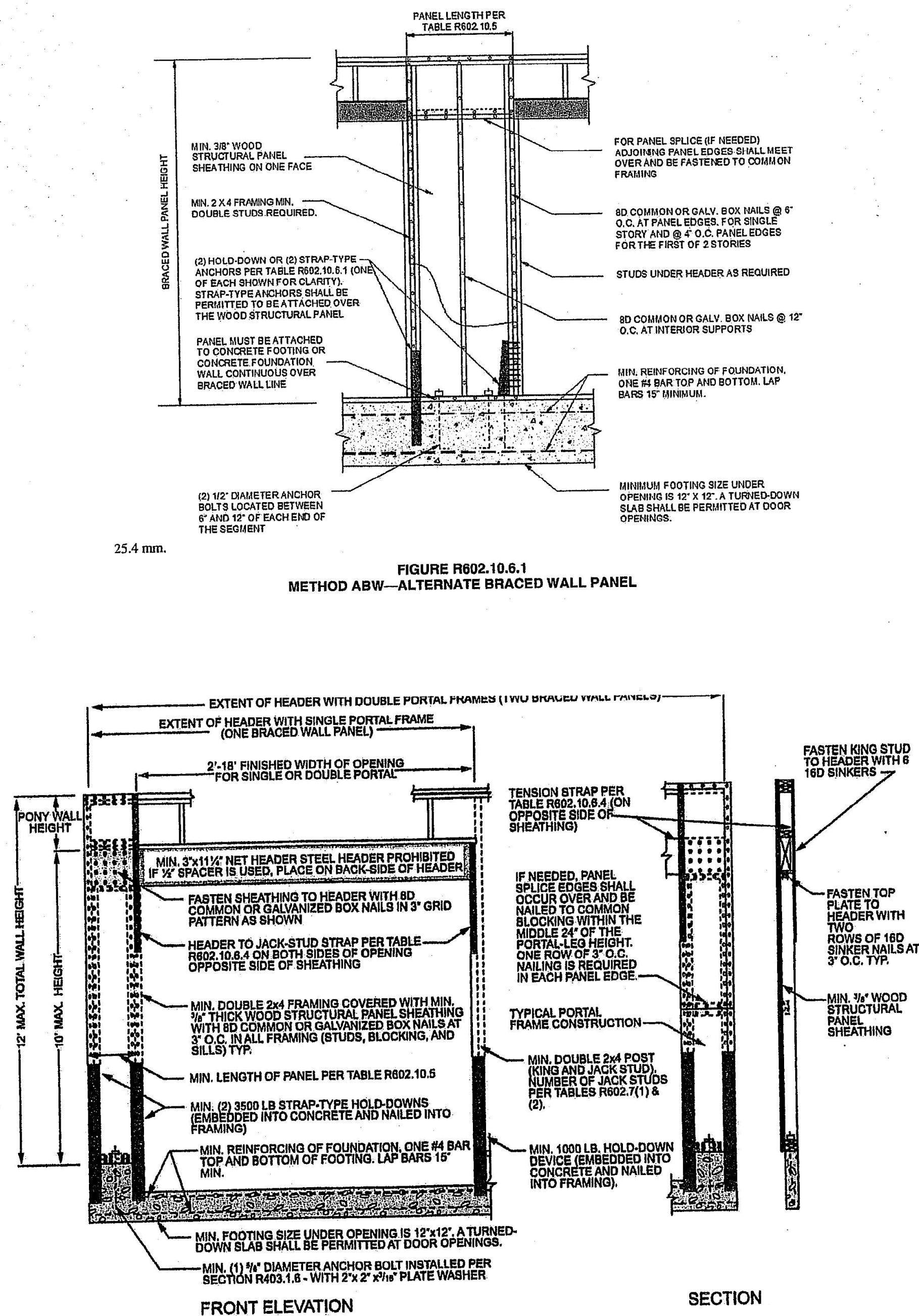


FIGURE R602.10.6.2
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

| TABLE R602.10.4 BRACING METHODS | | | | | |
|---|---|------------------------|--|--|--|
| METHODS, MATERIAL | MINIMUM THICKNESS | FIGURE | CONNECTION CRITERIA ^a | | |
| LIB Let-in-bracing | 1 × 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing | | Fasteners Wood: 2-8d common nails or 3-8d (2 1/2" long × 0.113" dia.) nails Metal strap: per manufacturer | Spacing Wood: per stud and top and bottom plates Metal: per manufacturer | |
| DWB Diagonal wood boards | 3/4" (1" nominal) for maximum 24" stud spacing | | 2-8d (2 1/2" long × 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 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" × 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 3/4" for maximum 16" stud spacing | | 1 1/2" long × 0.12" dia. (for 1/2" thick sheathing) 1 1/4" long × 0.12" dia. (for 3/4" 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) | 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 1/4" 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, 1/16" dia. head nails or 7/8" long, 16 gage staples | 6" o.c. on all framing members | |
| HPS Hardboard panel siding | 1/16" 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 | |

| TABLE R602.10.5 MINIMUM LENGTH OF BRACED WALL PANELS | | | | | | |
|---|---|---|--------|---------|---------|---------------------------------|
| METHOD (See Table R602.10.4) | | MINIMUM LENGTH ^a (inches) | | | | CONTRIBUTING LENGTH (inches) |
| | | Wall Height | | | | |
| | | 8 feet | 9 feet | 10 feet | 11 feet | 12 feet |
| DWB, WSP, SFB, PBS, 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 ₀ , D ₁ and D ₂ , 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 | 52 | 48 |
| | 124 | — | — | — | 56 | 51 |
| | 128 | — | — | — | 61 | 54 |
| | 132 | — | — | — | 66 | 58 |
| | 136 | — | — | — | — | 62 |
| | 140 | — | — | — | — | 66 |
| 144 | — | — | — | — | 72 | |
| METHOD (See Table R602.10.4) | | Partial header height | | | | |
| | | 8 feet | 9 feet | 10 feet | 11 feet | 12 feet |
| PFH | Supporting roof only | 16 | 16 | 16 | Note c | Note c |
| | Supporting one story and roof | 24 | 24 | 24 | Note c | Note c |
| PFG | | 24 | 27 | 30 | Note d | Note d |
| CS-PF | SDC A, B and C | 16 | 18 | 20 | Note e | Note e |
| | SDC D ₀ , D ₁ and D ₂ | 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 PFG 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.

| TABLE R602.10.4—continued BRACING METHODS | | | | | |
|--|--|--------|--|--|--|
| METHODS, MATERIAL | MINIMUM THICKNESS | FIGURE | CONNECTION CRITERIA ^a | | |
| PFH Portal frame with hold-downs | 3/4" | | Fasteners See Section R602.10.6.2 | Spacing See Section R602.10.6.2 | |
| PFG 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 | | 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 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" long × 0.12" dia. (for 1/2" thick sheathing) 1 1/4" long × 0.12" dia. (for 3/4" thick sheathing) galvanized roofing nails | 3" edges 6" field | |
| | | | | | |

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, D₀, D₁ and D₂.
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 D₀, D₁ and D₂ 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 D₀, D₁ and D₂.
e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D₀ through D₂ only.

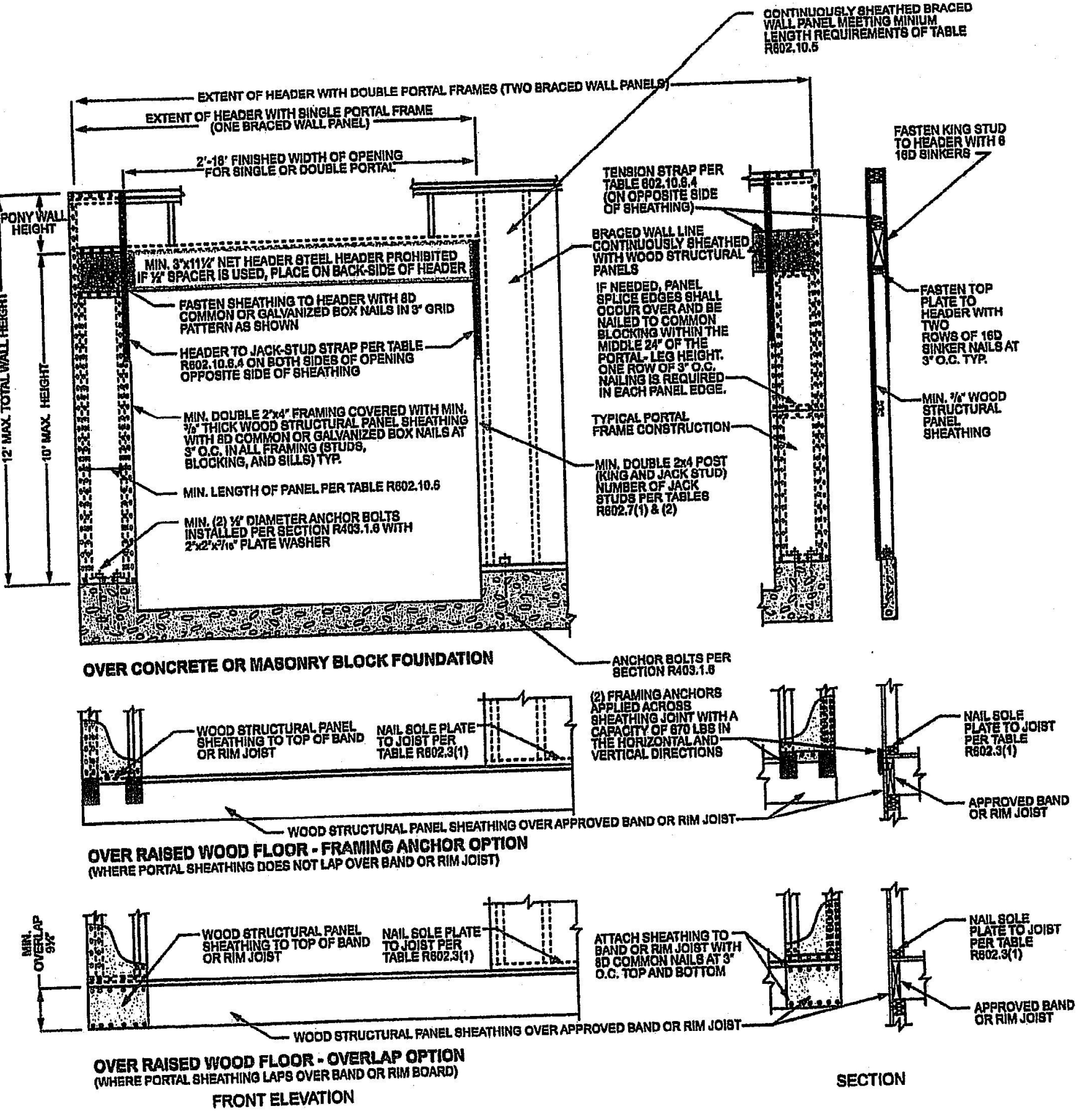


FIGURE R602.10.6.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION



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

LOT 128 MONTICELLO
4805 NE FREEHOLD CT
LEE SUMMIT MO

TRUMARK HOMES
KYLE II

SCALE
1/4" = 1'-0"

DATE
5-11-21

PLAN NO.
3509

SHEET NO.

5 OF 5
RELEASED FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI

BY
DATE