

FRONT ELEVATION

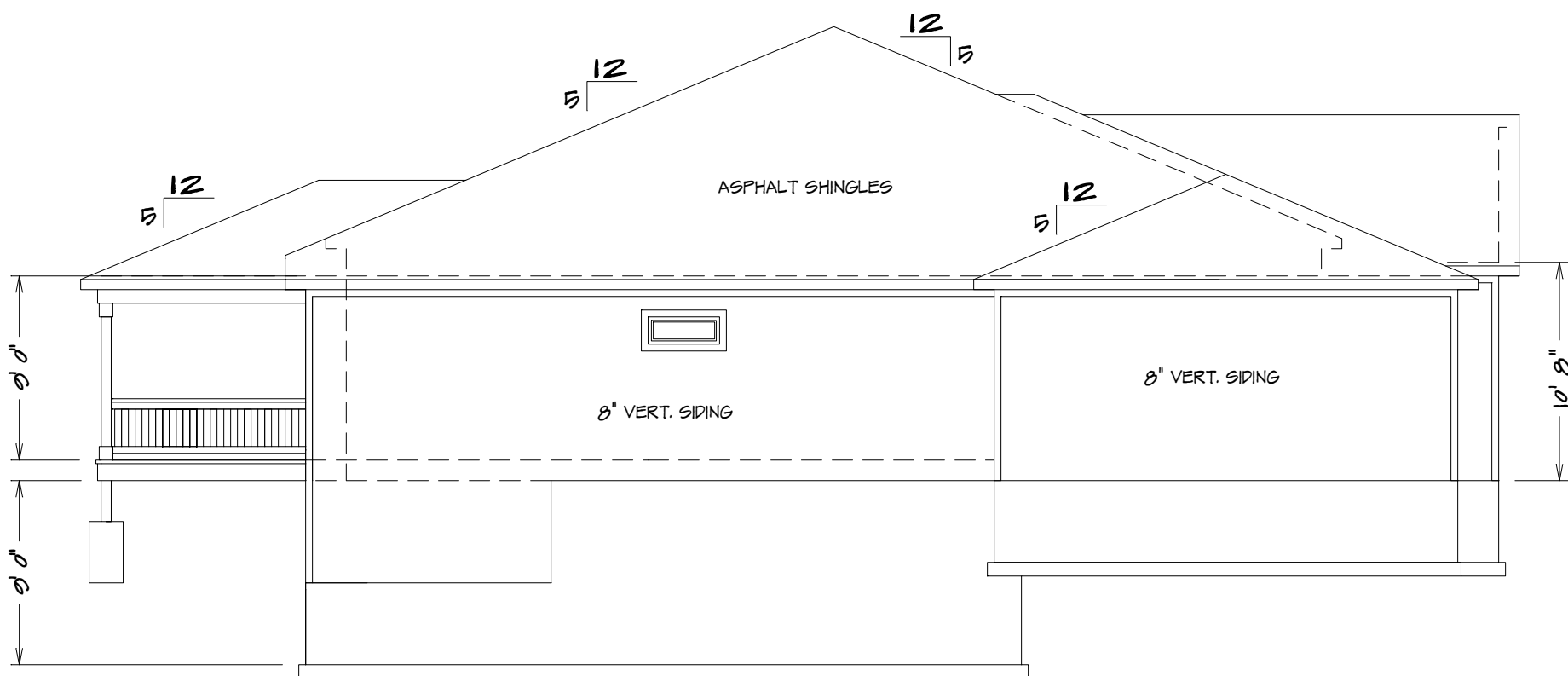
1/4" = 1'0"

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS, AND COLUMN SIZES.

NOTE:
ACTUAL ELEVATIONS MAY VARY FROM ARCHITECTURAL DRAWINGS. DUE TO TERRAIN/BACKFILL PROCESS FRONT ELEVATION IS ARCHITECTURAL DRAWING AND MAY VARY DUE TO MATERIALS AVAILABILITY

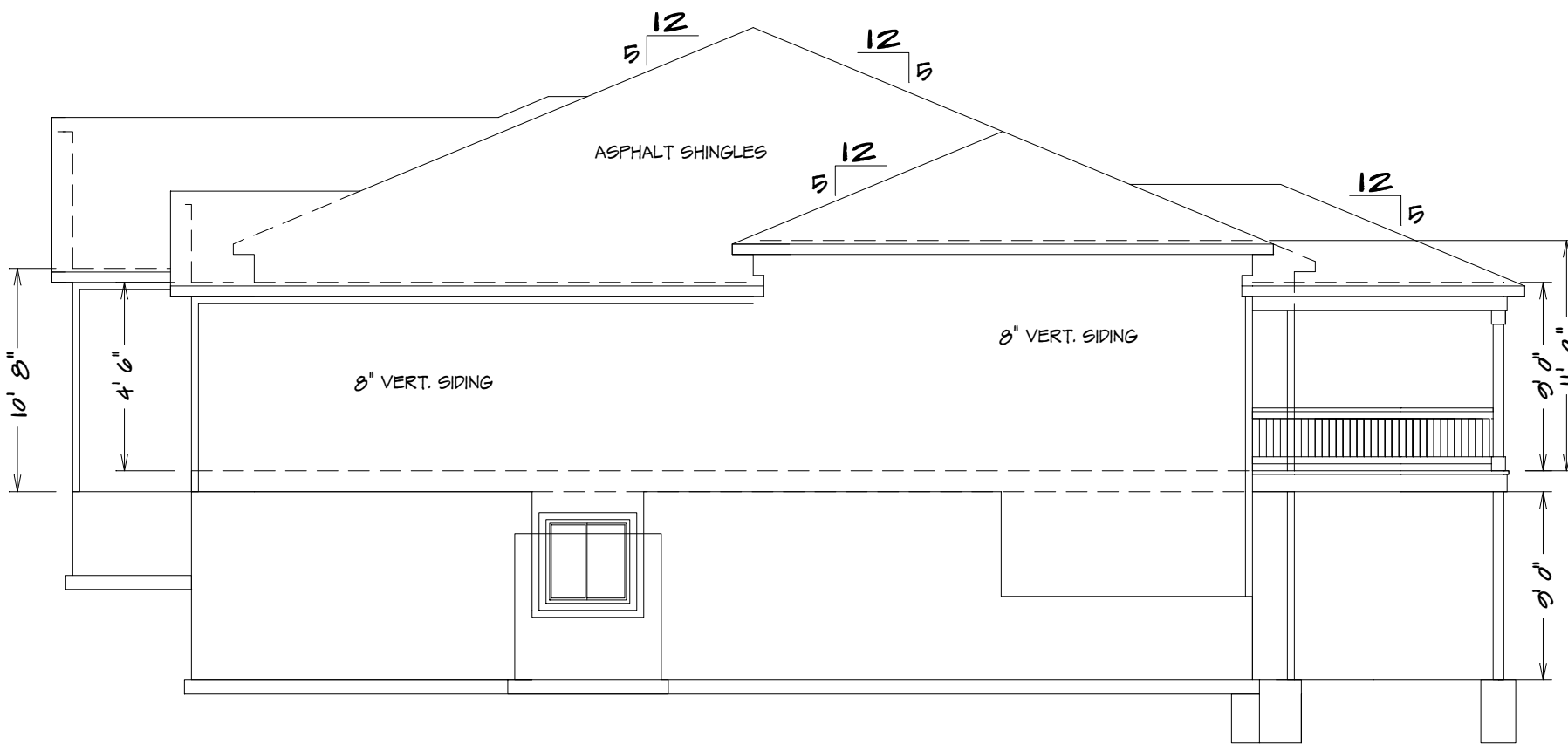
1713 SW BLACKSTONE DR
LEES SUMMIT MO
LOT 144 NAPA VALLEY

ALL NOTES, SECTIONS, AND DRAWINGS
ARE IN ACCORDANCE WITH THE 2018 IRC



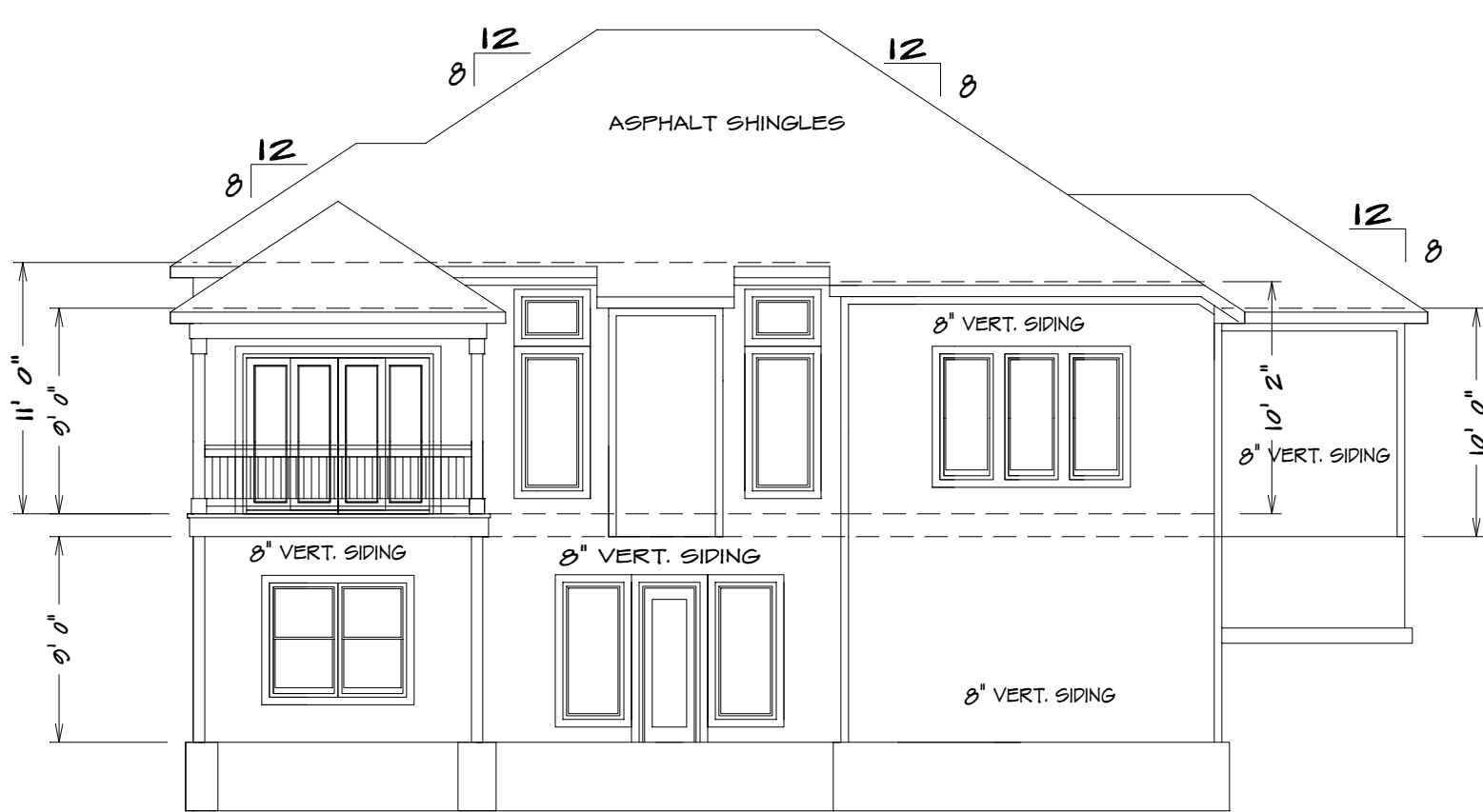
LEFT ELEVATION

1/8" = 1'0"



RIGHT ELEVATION

1/8" = 1'0"



REAR ELEVATION

1/8" = 1'0"

THE "WHITE TAIL"

KH-6107 (WHITE TAIL)



SQUARE FOOTAGE
LIVING AREA
FIRST FLOOR = 1735
BASEMENT = 1248
UNFINISHED AREA
STORAGE BASEMENT = 328
GARAGE = 787

| | | | | |
|---------------|---------|---------------|------------|----------------|
| HOME BUYER: | PHONE: | DATE DRAWN: | PLAN NO. | SHEET NO. |
| BUILDER: | PHONE: | DATE REVISED: | KH-607 | 1 |
| SUB-DIVISION: | LOT NO. | DESIGNER: | FILE NAME: | APPROX. SQ.FT. |
| | | | 6107 FRNT | 6107 |

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR IS TO CHECK FOR CONFLICTS WITH EXISTING UTILITIES AND STRUCTURES. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS, AND FLOOR PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESSEMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.



S.D.
 = SMOKE DETECTOR

42" X 42" X 12" CONCRETE PADS WITH (6)
#4 REBARS EACH WAY (UNLESS NOTED)


$$1/2'' = 1'0''$$


REBAR MAY BE BROUGHT UP DIRECTLY THROUGH THE CONCRETE, PROVIDED IT IS SLEEVED AND COMES UP INSIDE THE BUILDING

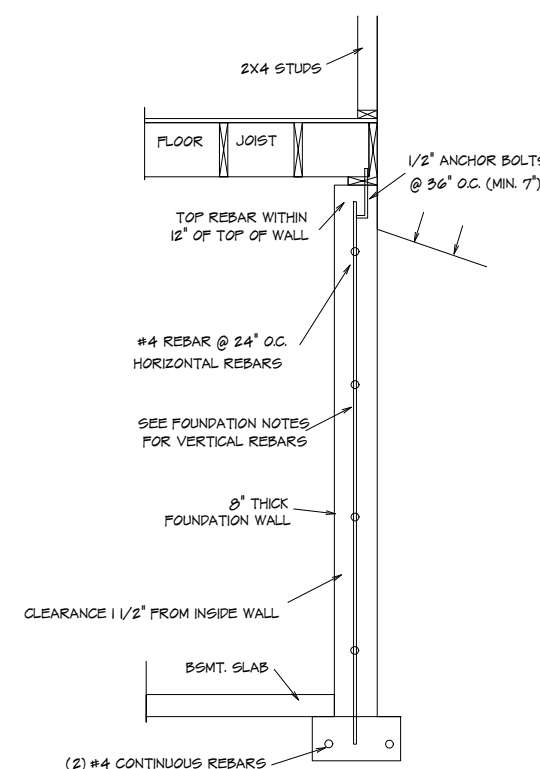
1. Section 250.52 of the National Electrical Code requires that the concrete encased reinforcing steel be installed in the grounding electrode system. This means that you must have "an electrode encased by at least 50 mm (2 in.) of concrete, located horizontally near the bottom or vertically, and within that portion of a concrete foundation or footing that is in direct contact with the earth, consisting of at least 6.0 m (20 ft) of one or more bare or zinc galvanized or other electrically conductive coated steel reinforcing bars or rods of not less than 13 mm (1/2 in.) in diameter, or consisting of at least 6.0 m (20 ft) of bare copper conductor not smaller than 4 AWG.

2. Reinforcing bars shall be permitted to be bonded together by the usual steel tie wires or other effective means. Where multiple concrete-encased electrodes are present at a building or structure, it shall be permissible to bond only one into the grounding electrode system.* Proper lap splices are required

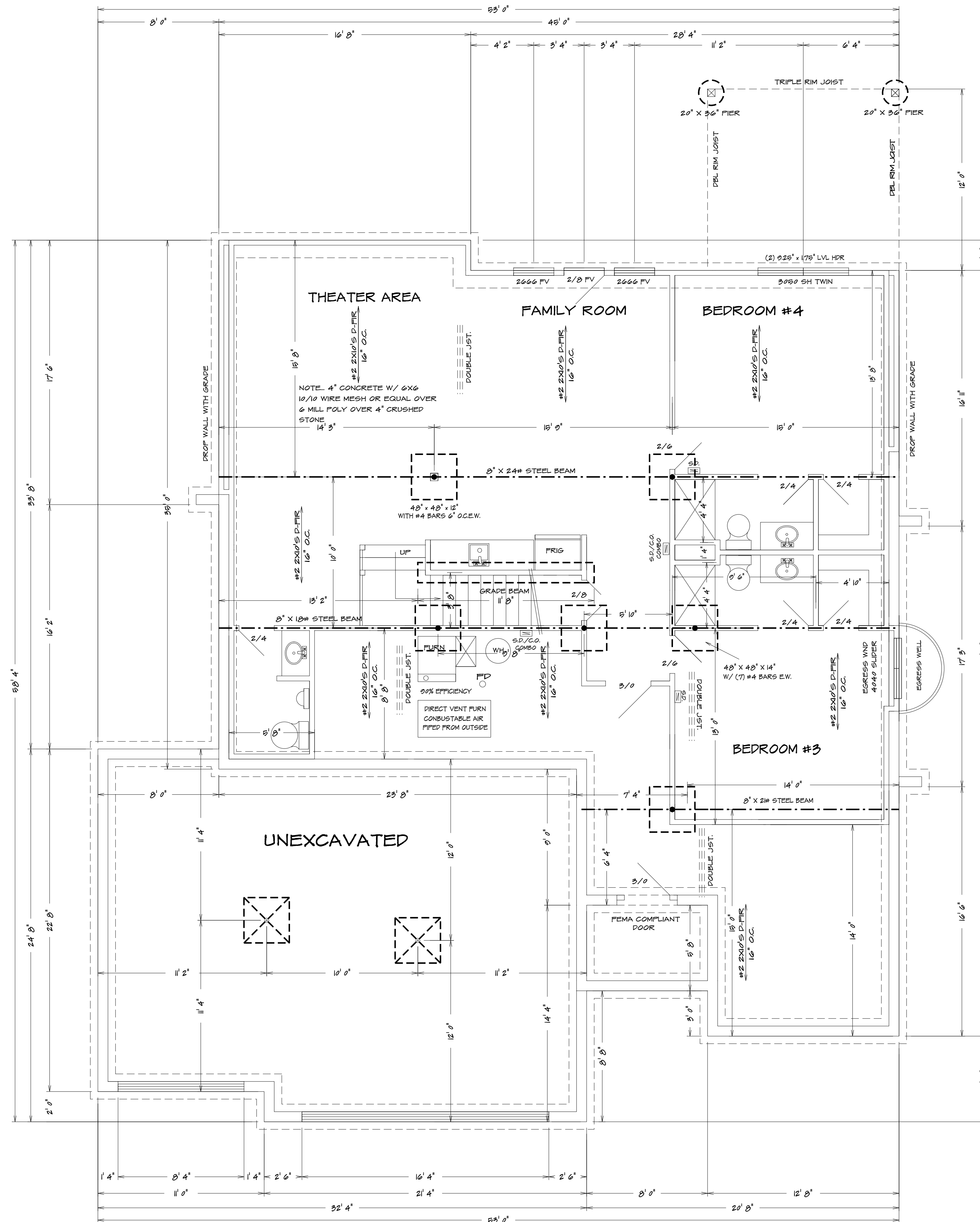
UFER GROUNDING SECTION

STEEL COLUMNS TO BE
3" DIAMETER SCHEDULE 40 PIPE MANUFACTURED
IN ACCORDANCE WITH ASTM A53 GRADE B OR
APPROVED EQUIVALENT UNLESS NOTED

Note...Bridging. Joists exceeding a nominal 2 inches by 12 inches shall be supported laterally by solid blocking, diagonal bridging (wood or metal), or a continuous 1-inch-by-3-inch strip nailed across the bottom of joists perpendicular to joists at intervals not exceeding 8 feet. (R502.7.1)



TYPICAL FOUNDATION WALL



ALL NOTES, SECTIONS, AND DRAWINGS
ARE IN ACCORDANCE WITH THE 2018 IRC

BASEMENT PLAN

$$1/4'' = 1'0''$$

| | | | | |
|---------------|---------|---------------|------------|----------------|
| HOME BUYER: | PHONE: | DATE DRAWN: | PLAN NO. | SHEET NO. |
| BUILDER: | PHONE: | DATE REVISED: | KH-6107 | 2 |
| SUB-DIVISION: | LOT NO. | DESIGNER: | FILE NAME: | APPROX. SQ.FT. |
| | | | 6107 B5MT | |

THE BUILDING CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BEFORE FLOORING, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, RAFTERS, TRAP LOCATIONS, AND GUTTER SIZES. BUILDING CONTRACTOR TO CHECK FOR COMPLIANCE WITH CONTRACTS, CITY, AND NATIONAL CODES. BUILDING CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS, AND FLOOD PLANNING. BUILDING CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESIMILANCES TO OTHER COPYRIGHTED PLANS. BUILDING CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.



KH-6107 (WHITE TAIL)

S.D.
 = SMOKE DETECTOR

USE HEADERS FOR OPENINGS ABOVE UNLESS SPECIFIED OTHERWISE.

BEARING WALL LINES

FIRST FLOOR PLAN

$1/4" = 1'0"$

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR COMPLIANCE WITH CONTRACTS, CITY, AND NATIONAL CODES. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS, AND FLOOD PLAINS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESEMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.



| | | | | |
|---------------|---------|---------------|------------------------|----------------|
| HOME BUYER: | PHONE: | DATE DRAWN: | PLAN NO. | SHEET NO. 3 |
| BUILDER: | PHONE: | DATE REVISED: | KH-6107 | |
| SUB-DIVISION: | LOT NO. | DESIGNER: | FILE NAME: 6107 FLR | |
| | | | | APPROX. SQ.FT. |

| Vertical reinforcement spacing 60 psf soil | | | | | | |
|--|-------------------|----|-----|--------------------|----|-----|
| Concrete strength/Grade | 8 inch thick wall | | | 10 inch thick wall | | |
| Reinforcement #4 bar | 8' | 9' | 10' | 8' | 9' | 10' |
| 3,000 psi / Grade 40 | 16 | 12 | NP | 24 | 16 | 12 |
| 3,500 psi / Grade 40 | 16 | 12 | NP | 24 | 24 | 12 |
| 3,000 psi / Grade 60 | 24 | 16 | NP | 24 | 20 | 16 |
| 3,500 psi / Grade 60 | 24 | 16 | NP | 24 | 24 | 16 |

| Horizontal reinforcement – Minimum Grade 40 steel | | | | | | |
|---|------|------|------|------|------|------|
| #4 bar | | | | | | |
| One bar 12" from top of wall; maximum spacing 24" o.c. | 4-#4 | 5-#4 | 6-#4 | 4-#4 | 5-#4 | 6-#4 |

- 1) Wall height is measured from the top of the wall to the top of the floor slab.
- 2) Vertical reinforcement for concrete walls that are not full height and for reinforcement spaces:
 - a) 24 inches on center may be placed in the middle of the wall. Other walls shall have vertical reinforcement place as follows:
 - a) 8-inch wall - Minimum 5 inches from the outside face.
 - b) 10-inch wall - Minimum 6.75 inches from the outside face.
 - c) Extend bars to within 8 inches of the top of the wall.
- 3) Reinforcement clearances:
 - a) Concrete exposed to exterior - minimum 1-1/2 inches.
 - b) Not exposed to weather (interior side of walls) - minimum 3/4 inch.
 - c) Concrete exposed to weather (top clearance in garage and driveway slabs) - 1-1/2 inches.
- 4) Horizontal reinforcement:
 - a) One bar shall be placed within 12 inches of the top of the wall.
 - b) Horizontal bars should be equally spaced and spaced 24 inches on center.
 - c) Horizontal bars should be as close to the tension face as possible (interior) and behind the vertical reinforcement (i.e.2' towards the inside).
- 5) Supplemental reinforcement at corners - Place 1# bar 48 inches long at 45 degree angle at corners of openings per Figure 4. Place reinforcement within 6" of the edge of inside corners
- 6) Reinforcement shall be lapped a minimum 24 inches at ends, splices, and around corners.
 - a) At masonry ledges the minimum wall thickness shall be 3-1/2 inches. Ledges shall not be less than 24 inches wide at 24 inches on center. For wall thicknesses less than 4 inches provide #4 bars at maximum 24 inches on center to within 8 inches of the top of the wall.
- 7) Straight walls more than 5 feet tall and more than 16 feet long shall be provided with exterior braced return walls. Wall length shall be measured using the shortest dimension between intersecting walls. (Use 7/32).

| ITEM | DESCRIPTION OF BUILDING MATERIALS | DESCRIPTION OF FASTENER ^{a,c,e} | SPACING OF FASTENERS | | |
|----------|--|--|-----------------------------|---|--|
| | | | Edges (inches) ^b | Intermediate supports ^{c,e} (inches) | |
| | Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing | | | | |
| 32 | $3/8"$, $1/2"$ | 6d common ($2" \times 0.113"$) nail (nailhead wall) 6d common ($2 1/2" \times 0.131"$) nail (roof) | 6 | 12 ^d | |
| 33 | $1/2"$, $1"$ | 6d common nail ($2 1/2" \times 0.131"$) 10d common ($3" \times 0.148"$) | 6 | 12 ^d | |
| 34 | $1 1/8"$, $1 1/4"$ | 1/2" galvanized roofing nail or 8d ($2 1/2" \times 0.131"$) deformed nail | 6 | 12 | |
| | Other wall sheathing^d | | | | |
| 35 | $1/2"$ structural calcareous fiberboard sheathing | $1 1/2"$ galvanized roofing nail, $1 1/4"$ crown or 1" crown slate 16 ga, $1 1/4"$ long | 3 | 6 | |
| 36 | $2 1/2"$ structural calcareous fiberboard sheathing | $1 1/2"$ galvanized roofing nail, $1 1/4"$ crown or 1" crown slate 16 ga, $1 1/2"$ long | 3 | 6 | |
| 37 | $1/2"$ gypsum sheathing ^f | $1 1/2"$ galvanized roofing nail, slate galvanized, $1 1/2"$ long, $1 1/4"$ screws, type W or S | 7 | 7 | |
| 38 | $5/8"$ gypsum sheathing ^f | $1 1/2"$ galvanized roofing nail, slate galvanized, $1 7/8"$ long, $1 7/8"$ screws, type W or S | 7 | 7 | |
| k | Wood structural panels, combination subfloor underlayment to framing | | | | |
| 39 | $3/4"$ and less | 6d deformed ($2" \times 0.140"$) nail or 6d common ($2 1/2" \times 0.131"$) nail 6d common ($2 1/2" \times 0.131"$) nail or 6d deformed ($2 1/2" \times 0.130"$) nail | 6 | 12 | |
| 40 | $7/8"$, $1"$ | 6d common ($3" \times 0.148"$) nail or 6d deformed ($2 1/2" \times 0.130"$) nail | 6 | 12 | |
| 41 | $1 1/8"$, $1 1/4"$ | 1/2" galvanized roofing nail or 6d deformed ($2 1/2" \times 0.130"$) nail | 6 | 12 | |

| REQUIRED FOOTING: | | | |
|-------------------|-----------------|------------------|-------------------|
| BUILDING HEIGHT | MINIMUM FOOTING | HORIZONTAL REBAR | LOCATION OF REBAR |
| 1 OR 2 STY. | 8" T x 16" W | 2-#4 | 5" FROM BTM. |
| 3 STORY | 8" T x 24" W | 2-#4 | 5" FROM BTM. |
| ACC. STR. | 8" T x 12" W | 2-#4 | 5" FROM BTM. |

| ITEM | DESCRIPTION OF BUILDING ELEMENTS | NUMBER AND TYPE OF FASTENERS, \times | SPACING OF FASTENERS |
|------|---|---|--|
| | | Roof | |
| 1 | Bleeding between joists or rafters to top plate, toe nail | $3\text{-}8d\ (2\frac{1}{2}'' \times 0.137)$ | — |
| 2 | Ceiling joists to plate, toe nail | $3\text{-}8d\ (2\frac{1}{2}'' \times 0.137)$ | — |
| 3 | Ceiling joists not attached to parallel rafter, toe nail over partitions, face nail | 5-10d | — |
| 4 | Collar tie, to rafter, face nail or $1\frac{1}{2}'' \times 2\frac{1}{2}''$ gage ridge strap | $3\text{-}10d\ (3\frac{1}{2}'' \times 0.25)$ | — |
| 5 | Rafter or roof truss to plate, toe nail | $3\text{-}16d\ \text{box nails}$ $(3\frac{1}{2}'' \times 0.137)$ 2 to nails on one side and 2 to nails on opposite side of each rafter or truss | — |
| 6 | Rafter ridge to ridge, valley or hip rafters, toe nail face nail | $4\text{-}16d\ (3\frac{1}{2}'' \times 0.137)$ $3\text{-}16d\ (3\frac{1}{2}'' \times 0.137)$ | — |
| | | Wall | |
| 7 | Build-up studs, face nail | $16d\ (3\frac{1}{2}'' \times 0.128)$ | 24" ϕ |
| 8 | Attaching studs at intersecting wall corners, face nail | $16d\ (3\frac{1}{2}'' \times 0.128)$ | 12" ϕ |
| 9 | Build-up studs, two pieces with $\frac{1}{2}''$ spacer | $16d\ (3\frac{1}{2}'' \times 0.127)$ | 16" ϕ , along each edge |
| 10 | Continuous header, two pieces | $16d\ (3\frac{1}{2}'' \times 0.125)$ | 16" ϕ , along each edge |
| 11 | Combination header to stud, toe nail | $4\text{-}8d\ (2\frac{1}{2}'' \times 0.127)$ | — |
| 12 | Double studs, face nail | $16d\ (3\frac{1}{2}'' \times 0.128)$ | 24" ϕ |
| 13 | Double top plates, face nail | $10d\ (3\frac{1}{2}'' \times 0.128)$ | 24" ϕ |
| 14 | Double top plates, minimum 24-in. offset of end joints, face nail | $2\text{-}16d\ (3\frac{1}{2}'' \times 0.127)$ | — |
| 15 | Single plate to end of blocking, toe nail | $16d\ (3\frac{1}{2}'' \times 0.127)$ | 16" ϕ |
| 16 | Single plate to joint or blocking at brood wall face nail | $3\text{-}16d\ (3\frac{1}{2}'' \times 0.135)$ | 16" ϕ |
| 17 | Stud to sole plate, toe nail | $3\text{-}8d\ (2\frac{1}{2}'' \times 0.137)$ or $2\text{-}16d\ (3\frac{1}{2}'' \times 0.135)$ | — |
| 18 | Top or sole plate to stud, toe nail | $2\text{-}16d\ (3\frac{1}{2}'' \times 0.137)$ | — |
| 19 | Top plates, studs, and corners and end joints, face nail | $2\text{-}10d\ (3\frac{1}{2}'' \times 0.127)$ | — |
| 20 | 1 brace to each stud and plate, face nail | $2\text{-}8d\ (2\frac{1}{2}'' \times 0.137)$ $2\text{-}studies\ 3\frac{1}{4}''$ | — |
| 21 | 1" \times 6" sheathing to each bearing, face nail | $2\text{-}8d\ (2\frac{1}{2}'' \times 0.137)$ $2\text{-}studies\ 3\frac{1}{4}''$ | — |
| 22 | 1" \times 8" sheathing to each bearing, face nail | $2\text{-}8d\ (2\frac{1}{2}'' \times 0.137)$ $3\text{-}studies\ 3\frac{1}{4}''$ | — |
| 23 | Wider than 1" \times 6" sheathing to each bearing, face nail | $3\text{-}8d\ (2\frac{1}{2}'' \times 0.137)$ $4\text{-}studies\ 3\frac{1}{4}''$ | — |
| | | Floor | |
| 24 | Joists to sill or girder, toe nail | $3\text{-}16d\ (3\frac{1}{2}'' \times 0.137)$ | — |
| 25 | Joist joist to plate, toe nail (roof applications also) | $8d\ (2\frac{1}{2}'' \times 0.137)$ | 6" ϕ |
| 26 | Joist blocking to sill plate, toe nail | $8d\ (2\frac{1}{2}'' \times 0.137)$ | 6" ϕ |
| 27 | 1" \times 6" subfloor or less to joist, face nail | $2\text{-}8d\ (2\frac{1}{2}'' \times 0.137)$ $2\text{-}studies\ 19\frac{1}{4}''$ | — |
| 28 | 1" \times 6" subfloor to joist or girder, blind and face nail | $2\text{-}16d\ (3\frac{1}{2}'' \times 0.137)$ | — |
| 29 | Planks (plank & beam-floor or plank) | $2\text{-}16d\ (3\frac{1}{2}'' \times 0.137)$ | at each bearing |
| 30 | Build-up girders and beams, 1-inch lumber layers | $10d\ (3\frac{1}{2}'' \times 0.128)$ | Nail each layer as follows: 32" ϕ at top and staggered. Two nails at ends and at each splice. |
| 31 | Ledge strip supporting joists | $3\text{-}16d\ (3\frac{1}{2}'' \times 0.137)$ | At each joist or rafter |

Re Common note 2' oc. top and bottom

Re note plate to joint per table NAB200

Re note plate to joint per table NAB200

Re note plate to joint per table NAB200

Approved joint detail

Wd. over 5'-0"

Void structural panel sheathing over approved bond joint

CF-PF WALL BRACING SECTION



ROOF DESIGNED WITH:
LIVE LOAD = 50 PSF
DEAD LOAD = 10 PSF

ALL RAFTERS TO BE #2 2X6 D-FIR 16" O.C.
UNLESS OTHERWISE NOTED

ALL RAFTERS TO BE #2 2X6 D-FIR 16" O.C.
UNLESS OTHER WISE NOTED

PURLING RAFTERS TO BEARING WALL LINES

CONNECT RAFTERS TO CEILING JOIST W (4) 16d GALV. NAILS

CONNECT RAFTERS TO RIDGE, VALLEY, AND HIP RIDGE
WITH (4) 16d GALV. NAILS

VERT. RIDGE AND RAFTER SUPPORTS TO BE EQUAL TO OR GREATER
THAN THE DEPTH OF RAFTERS

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