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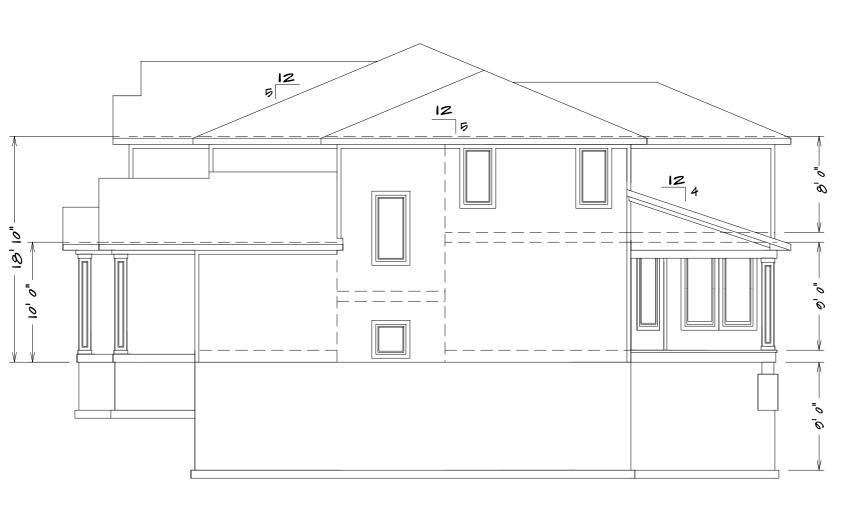
FRONT ELEVATION 1/4" = 1'0"

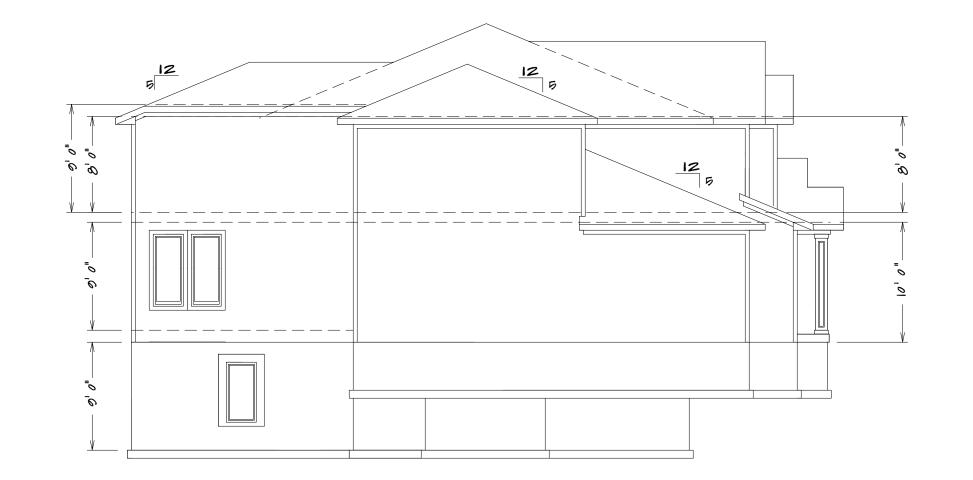
ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC NOTE:

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

LOT 85 WOODSIDE RIDGE 322 NW AMBERSHAM DR. LEES SUMMIT MO. 64081

( ....





BUILDER/CONTRACTOR IS RESPONSIBLE TO

BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS.

ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS,

CHECK ALL DIMENSIONS FOR ACCURACY

AND COLUMN SIZES.



RIGHT ELEVATION 1/8" = 1'0"

LEFT ELEVATION 1/8" = 10"

REAR ELEVATION 1/8" = 1'0"

SQUARE FOOTAGE LIVING AREA FIRST FLOOR = 1325 SECOND FLOOR = 1794 COVERED REAR DECK = 295 OPTIONAL BASEMENT FINISH = 787 FRONT STOOP = 156 UNFINISHED AREA STORAGE BASEMENT = 337 GARAGE (3-CAR) = 942

minimum

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SEE ELEVATION FOR WALL HEIGHTS

NOTE ... ELECTRICAL SERVICE

TO BE 200 AMP.

NOTE... DOUBLE JOIST UNDER ALL PARALLEL WALLS ABOVE UNLESS NOTED

S.D. SMOKE DETECTOR

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

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

REBAR MAY BE BROUGHT UP DIRECTLY THROUGH THE CONCRETE, PROVIDED IT IS SLEEVED AND COMES UP INSIDE THE BUILDING \*4 FOOTING BAR AT MIN. 20' IN LENGTH MIN. 2 TIE WIRES REQUIRED #4 OR LARGER BARS

l. Section 250.52 of the National Electrical Code requires that the concrete encased reinforcing steel be included in the grounding electrode system... This means that you must have  $^{\sf II}$ 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  $13 \, \text{mm} (1/2 \, \text{in.})$  in diameter, or consisting of at least 6.0 m (20 ft) of bare copper conductor not smaller than 4 AWG.

RELEASEREOFArcing bars shall be permitted to be bonded together by the usual steel tie wires or other effective CONSTRUCTION or structure, it shall be AS NOTED ON PLANS REVIEW DEVELOPMENTS REVIEW

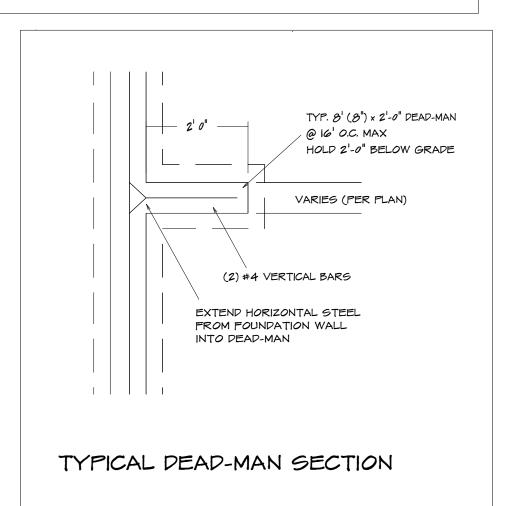
Inly one into the grounding electrode system. Proper lap splices are required

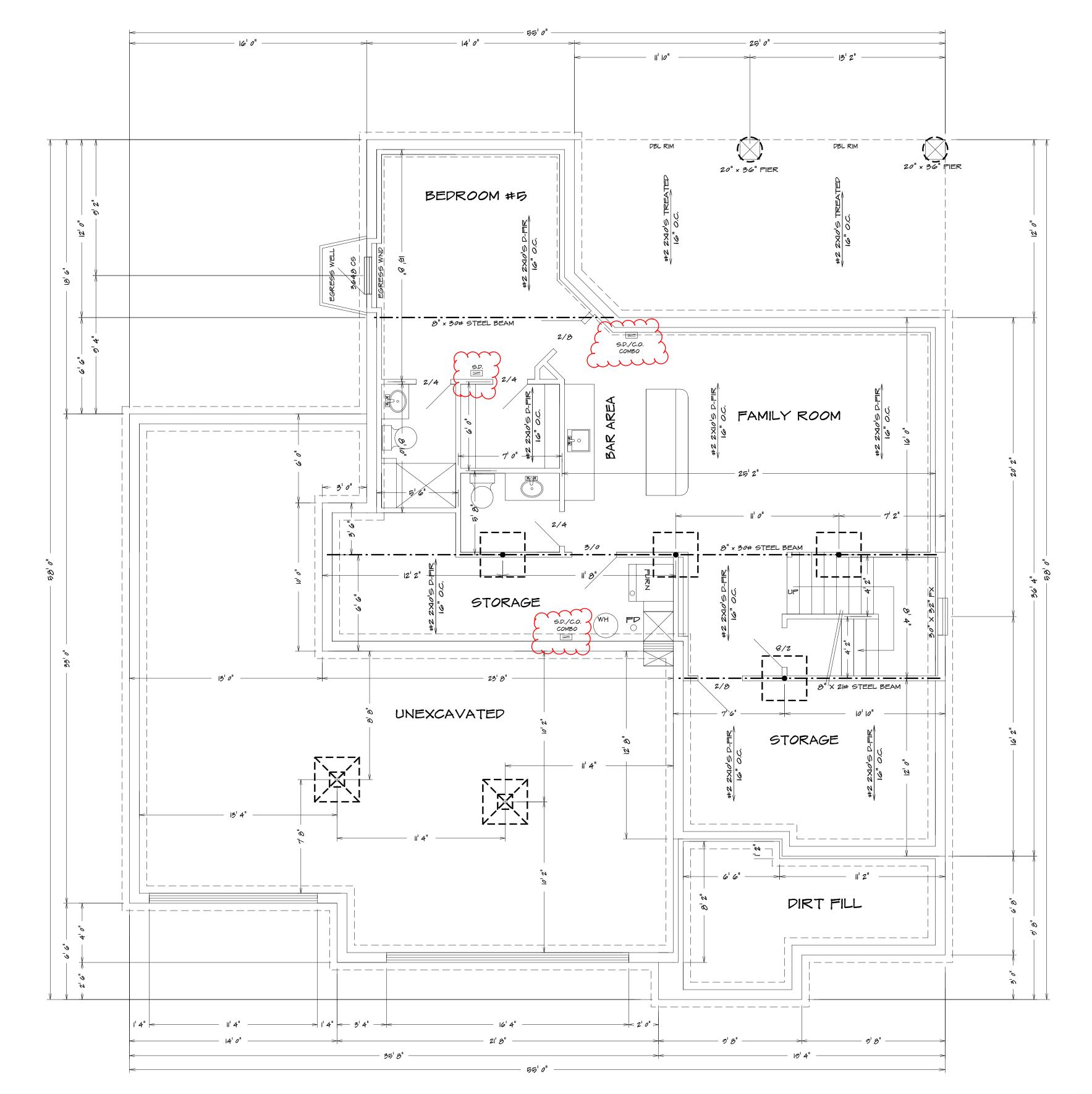
LEE'S SUMMIT, MISSOURI

UFER GOUNDING SECTION

STEEL COLUMNS TO BE 3" DIAMETER SCHEDULE 40 PIPE MANUFACTURED IN ACCORDANCE WITH ASTM AS3 GRADE B OR APPROVED EQUIVALENT UNLEGG 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)





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

BASEMENT PLAN
1/4" = 1'0"

 $\sim$ LOT 85 WOODSIDE RIDGE 322 NW AMBERSHAM DR. LEES SUMMIT MO. 64081

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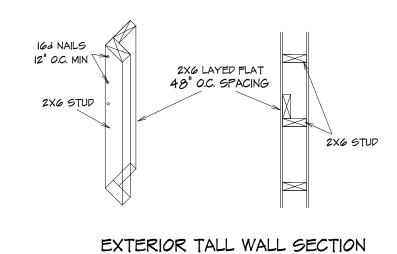
SEE ELEVATION FOR

WALL HEIGHTS

NOTE... ELECTRICAL SERVICE TO BE 200 AMP.

NOTE... DOUBLE JOIST UNDER
ALL PARALLEL WALLS
ABOVE UNLESS NOTED





10' TRU 18' TALL WALLS
TO BE CONSTRUCTED WITH UNINTERRUPTED
#2 2X6 STUDS 16" O.C. WITH
STIFF BACK EVERY 48" O.C.

GENERAL HEADER SPECIFICATIONS:			
REQUIRED AREAS NEEDING HEADERS:	HEADER DESCRIPTIONS:		
WINDOWS/DOORS UP TO 38" R.O.	(2) #2 D-FIR 2XIO'S		
WINDOWS/DOORS 38" UP TO 72" R.O.	(2) #2 D-FIR 2XIO'S W/I/2" GLUE PLY		
WINDOWS/DOORS 72" UP TO 96" R.O.	(2) 9 1/2" L.V.L.		
8'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 9 1/2" L.V.L.		
9'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 9 1/2" L.V.L.		
8'0" GARAGE DOORS W/SECOND FLOOR	(2) 9 1/2" L.V.L.		
9'0" GARAGE DOORS W/SECOND FLOOR	(2)    7/8" L.V.L.		
16'0" GARAGE DOOR W/NO SECOND FLOOR	(2)    7/8" L.V.L.		
16'0" GARAGE DOORS W/SECOND FLOOR	(2) 14" L.V.L.		

## R312.2.1 Window sills.

In dwelling units, where the opening of an operable window is located more than 72 inches (1820 mm) above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches (610 mm) above the fininshed floor of the room in which the window is located.

Operable sections of windows shall not permit openings that allow passage of a 4-inch-diameter (102 mm) sphere where such openings are located within 24 inches (610 mm) of the finished floor.

# Exception

CONSTRUCTION
AS NOTED ON PLANS REVIEV
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

- I. Windows whose openings will not allow a 4-inch-diameter (102 mm) sphere to pass through the opening when the opening is in its largest opened position.
- 2. Openings that are provided with window fall prevention devices that comply with ASTM F 2090.
- 3. Windows that are provided with window opening control devices that comply with Section R312.2.2.

R312.2.2 Window opening control devices.

Window opening control devices shall comply with ASTM F 2000. The window opening control device, after operation to release the control device allowing the window to fully open, shall not reduce the minimum net clear opening area of the window unit to less than the area required by Section R310.1.1.

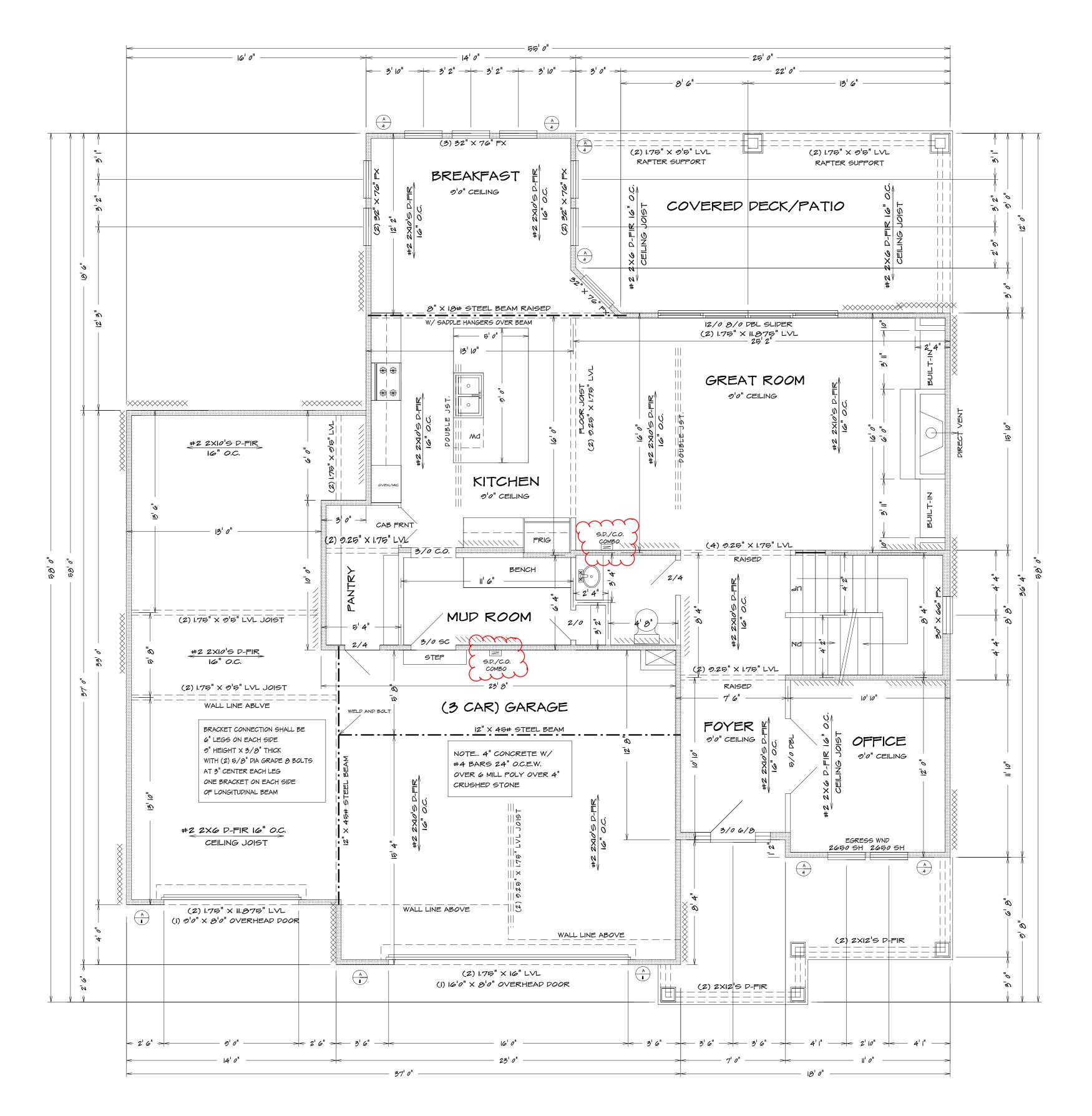
Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate glazing area in windows of not less than 3 square feet, one-half of which must be openable.

Exception:

The glazed areas shall not be required where artificial light and a local exhaust system are provided.

The minimum local exhaust rates shall be determined in accordance with Section MIB07.

Exhaust air from the space shall be exhausted directly to the outdoors.



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

FIRST FLOOR PLAN

BEARING WALL LINES

LOT 85 WOODSIDE RIDGE 322 NW AMBERSHAM DR. LEES SUMMIT MO. 64081



SF-7014

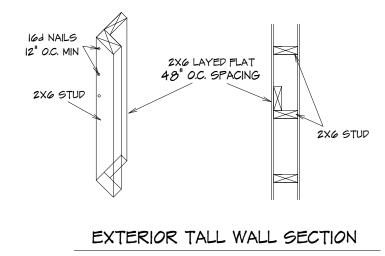
SEE ELEVATION FOR

WALL HEIGHTS

NOTE ... ELECTRICAL SERVICE TO BE 200 AMP.

NOTE ... DOUBLE JOIST UNDER ALL PARALLEL WALLS ABOVE UNLESS NOTED





10' TRU 18' TALL WALLS TO BE CONSTRUCTED WITH UNINTERRUPTED #2 2X6 STUDS 16" O.C. WITH STIFF BACK EVERY 48" O.C.

GENERAL HEADER SPECIFICATIONS:				
REQUIRED AREAS NEEDING HEADERS:	HEADER DESCRIPTIONS:			
WINDOWS/DOORS UP TO 38" R.O.	(2) #2 D-FIR 2XIO'S			
WINDOWS/DOORS 38" UP TO 72" R.O.	(2) #2 P-FIR 2XIO'S W/I/2" GLUE PLY			
WINDOWS/DOORS 72" UP TO 96" R.O.	(2) 9 1/2" L.V.L.			
8'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 9 1/2" L.V.L.			
9'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 9 1/2" L.V.L.			
8'0" GARAGE DOORS W/SECOND FLOOR	(2) 9 1/2" L.V.L.			
9'0" GARAGE DOORS W/SECOND FLOOR	(2)    7/8" L.V.L.			
16'0" GARAGE DOOR W/NO SECOND FLOOR	(2)    7/8" L.V.L.			
16'0" GARAGE DOORS W/SECOND FLOOR	(Z) 14" L.V.L.			
USE HEADERS FOR OPENINGS ABOVE	UNLESS SPECIFIED OTHERWISE.			

## R312.2.1 Window sills.

In dwelling units, where the opening of an operable window is located more than 72 inches (1829 mm) above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches (610 mm) above the fininshed floor of the room in which the window is located. Operable sections of windows shall not permit openings that allow passage of a 4-inch-diameter (102 mm) sphere where such openings are located within 24 inches (610 mm) of the finished floor.

CONSTRUCTION
AS NOTED ON PLANS REVIEV
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

- l. Windows whose openings will not allow a 4-inch-diameter (102 mm) sphere to pass through the opening when the opening is in its largest opened position.
- 2. Openings that are provided with window fall prevention devices that comply with ASTM F 2090.
- 3. Windows that are provided with window opening control devices that comply with Section R312.2.2.

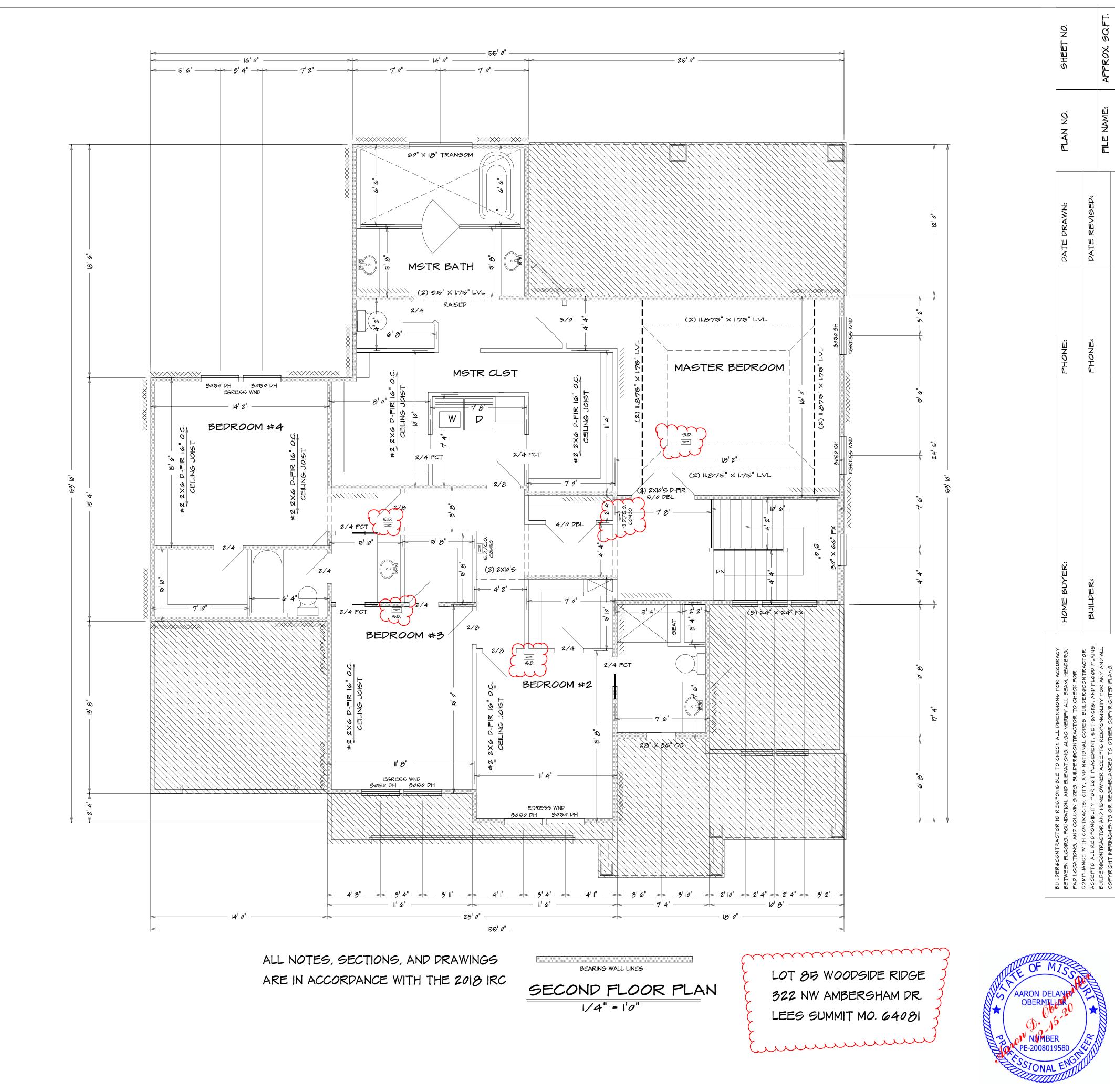
R312.2.2 Window opening control devices.

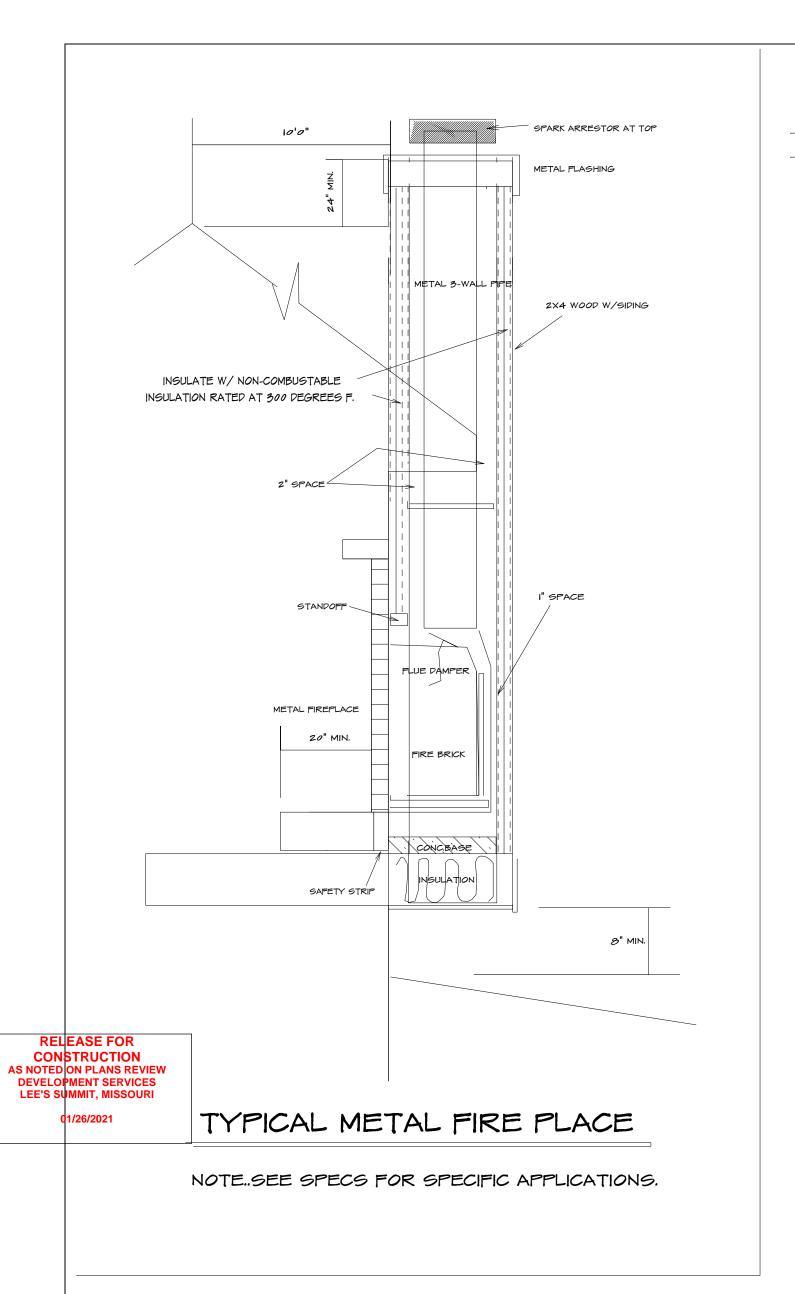
to the outdoors.

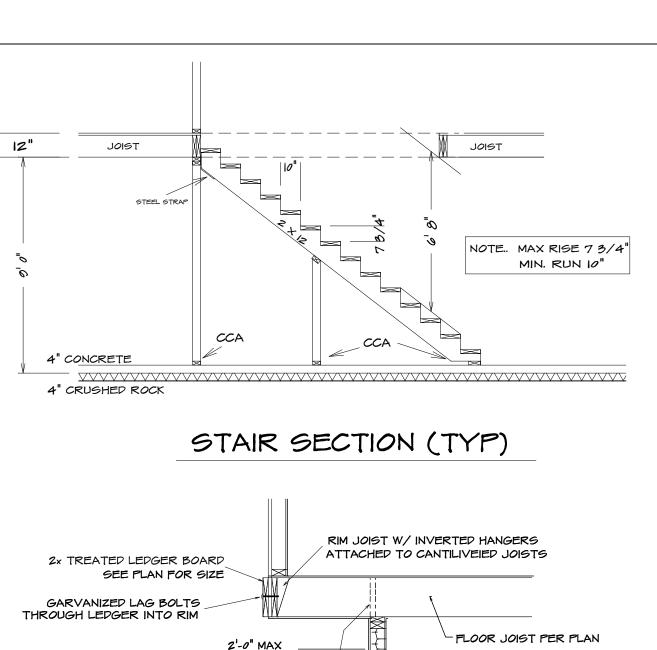
Window opening control devices shall comply with ASTM F 2090. The window opening control device, after operation to release the control device allowing the window to fully open, shall not reduce the minimum net clear opening area of the window unit to less than the area required by Section R310.1.1.

Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate one-half of which must be openable.

glazing area in windows of not less than 3 square feet, Exception: The glazed areas shall not be required where artificial light and a local exhaust system are provided. The minimum local exhaust rates shall be determined in accordance with Section MI507. Exhaust air from the space shall be exhausted directly





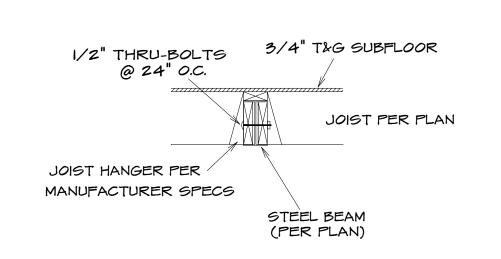


# (or PER PLAN) BLOCK BETWEEN JOIST PECK JOIST 1/2" O LAG EQUIVALENT SPACING SPAN SPACING FOR 16" O.C. JOIST BAYS UP TO 101-0" 16" O.C. N/A

10'-0" -14'-0" | 12" O.C. | 16" O.C. DBL. EVERY OTHER

14'-0" -18'-0" 8" O.C. 16" O.C. DBL. EVERY JOIST BAY

# TYPICAL CANTILEVER FRAMING W/ DECK ATTACHMENT



UPSET STEEL BEAM/JOIST CONNECTION

Required guards on open sides of stairways,

have intermediate rails or ornamental closures

that do not allow passage of a sphere 4" or

Openings from a private garage directly

into a room used for sleeping purposes

Other openings between the garage and

residence shall be equipped with solid wood

doors not less than 13/8 inches in thickness,

solid or honeycomb-core steel doors not less

doors, equipped with a self-closing device.

PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH

SLEEPING ROOM AND ON EACH

FLOOR, INCLUDING BASEMENT.

IN SUCH A MANNER THAT THE

DWELLING. (SECTION R314.5)

ACTIVATION OF ONE ALARM WILL

ALARMS SHALL BE INTERCONNECTED

ACTIVATE ALL OF THE ALARMS IN THE

than 13/8 inches thick, or 20-minute fire-rated

raised floor areas, balconies, and porches shall

R312.2 Guard opening limitations.

R302.5.1 Opening protection.

shall not be permitted.

SMOKE ALARMS:

more in diameter.

TYPICAL WALL SECTION

ROOFING MATERIAL 240 LB ASPHALT SHINGLES

7/16" OSB SHEATHING

2-PLY 15# FELT

ICE BEARIER

self-adhering polymer

METAL EDGE

GUTTER -

IX8 FASCIA

SOFFIT BOARD -

2X4 NAILER-

IX4 TRIM BOARD —

2X6 SUB-FASCIA

SOFFIR VENTS 8' O.C.

7/16" OSB SHEATHING

W/ TYVEX HOUSE WRAP

7/16" OSB SHEATHING

UNDERNEATH

RIM JOIST

8" MIN.

TREATED SILL PLATE

WATERPROOF BELOW GRADE

FOR REBAR LOCATION AND SPACING

SEE FOUNDATION NOTES

8" CONC. WALL -

4" DRAIN TILE

CONC. FOOTING

SEE FOUNDATION NOTES

GRADE

SILL SEALER -

W/ TYVEX HOUSE WRAP

UNDERNEATH

FAFTER ATTIC SPACE

R-40 INSULATION (MIN)

CEILING JOIST

1/2" GYP. BOARD

-1/2" GYP. BOARD

R-10 OR R13+5

INSULATION

- DOUBLE TOP PLATE

EXTERIOR SHEATHING

-2X4 STUD @ 16" O.C.

FLOOR JOIST-PER PLAN

<−− 1/2" GYP. BOARD

INSULATION

R-10 OR R13+5

- EXTERIOR SHEATHING

— 2X4 STUD @ 16" O.C.

FLOOR JOIST-PER PLAN

1/2" ANCHOR BOLTS

@ 36" O.C. (MIN. 7")

4" CONC. SLAB MIN

4" ROCK MIN

UNDISTURBED SOIL

3/4" T&G SUBFLOOR

PER PLAN

3/4" T&G SUBFLOOR

- BAFFLE FOR POSITIVE VENTILATION

PER PLAN

# I-I/2" BOTTOM CLEARANCE METAL FLASHING OVER EPDM SLOPE SLAB 1/8"- 1/4" PER FT. CAULKING - SEALANT LAYER DRILL/EMBED MIN. 5" INTO FOUNDATION #4 REBARS CONTINUOUS AROUND PERIMETER FOUNDATION WALL OF SUSPENDED SLAB PER PLAN

TYPICAL F.P. FRONT

6" CONC. SLAB W/#4 BARS @ 12" O.C. BOTH-WAYS W/I" TO PER PLAN

- I. PROVIDE VULCRAFT 2VLI (OR EQUAL CORRUGATED DECKING (SHORE AT MID-SPAN DURING CONSTRUCTION) or
- 2. PLYWOOD FORMS WITH EXPANDABLE BAR JOIST

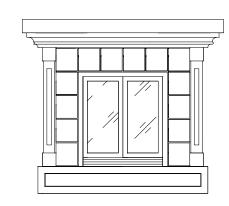
# SUSPENDED PORCH STOOP DETAIL OPTIONAL

# LADDER TO GRADE MIN. INSIDE DIMENSI GALVANIZED STL. WINDOW WILL

PORCH SLAB (6'SPAN OR LESS) . MAXIMUM SPAN = 6' 2. MINIMUM 6" THICKNESS

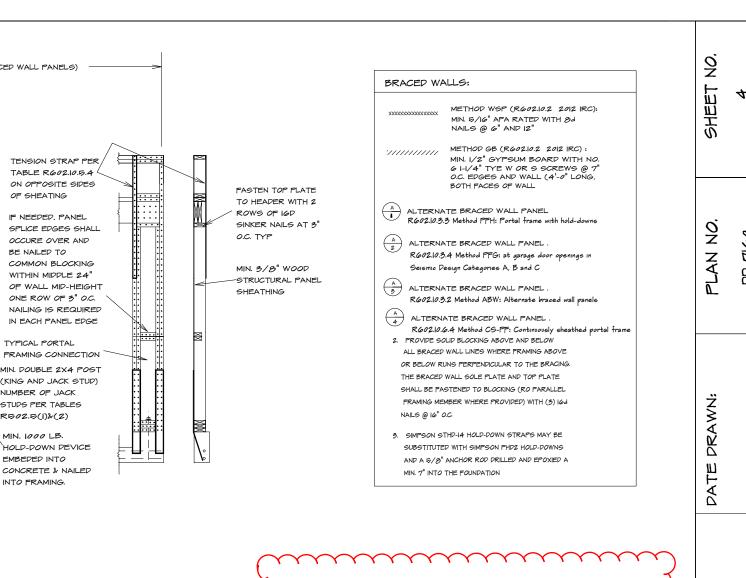
3. #4 REBARS AT 12" O.C. EACH WAY

4. MIN. 1-1/2" OF CONTINUIUS BEARING AT THE EDGES OF SLAB 5. PORCH SLAB GREATER THEN 6' SHALL BE TREATED AS AN ELEVATED GARAGE SLAB



HSS COLUMN DETAIL

(4) 1/2" DIA BOLTS



BRACED WALL SECTION

TABLE R602.10.5.4

ON OPPOSITE SIDES

= NEEDED, PANEL

SPLICE EDGES SHALL

OCCURE OVER AND

COMMON BLOCKING

WITHIN MIDDLE 24"

OF WALL MID-HEIGH

ONE ROW OF 3" O.C.

NAILING IS REQUIRED

IN EACH PANEL EDGE

FRAMING CONNECTION

MIN. DOUBLE 2X4 POST

(KING AND JACK STUD)

NUMBER OF JACK

STUDS PER TABLES

HOLD-DOWN DEVICE

CONCRETE & NAILED

R502.5(1)&(2)

EMBEDED INTO

INTO FRAMING.

MIN. 1000 LB.

TYPICAL PORTAL

BE NAILED TO

OF SHEATING

EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TO BRACED WALL PANELS)

(ONE BRACED WALL PANEL)

\_ 2'-18' FINISHED WIDTH OF OPENING

FOR SINGLE OR DOUBLE PORTAL

MIN. 3" X II I/4" NET HEADER

FASTEN SHEATHING TO HEADER WITH 8D COMMON OF

MIN. DOUBLE 2X4 FRAMING COVERED WITH MIN. 3/8"

THICK WOOD STRUCTURAL PANEL SHEATHING WITH  $\delta D$ 

FRAMING (STUDS, BLOCKING, AND SILLS) TYP.

-MIN. LENGTH OF PANEL PER TABLE R602.10.5

NTO CONCRETE AND NAILED INTO FRAMING

AND BOTTOM OF FOOTING. LAP 15" MIM.

MIN. FOOTING SIZE UNDER IS 12" X 12" A TURNED DOWN SLAB SHALL BE PERMITTED AT DOOR OPENINGS

MIN. (1) 5/8" DIAMETER ANCHOR BOLT INSTALLED

ALTERNATE BRACED WALL PANEL

R602.10.3.3 Method PFH: Portal frame with hold-downs

ROOFING MATERIAL

240 LB ASPHALT SHINGLES

-7/16" OSB

-2-PLY 15# FELT

~ 2X6 SUB-FASCIA

6X6 CEDAR POST

SOFFIT BOARD

6X6 CEDAR POST

16" X 36" PIER FOOTINGS

DECK SECTION

(4) 3/8" STIFF. PLATES

SEE PLAN FOR BEAM SIZE

(2) EA. SIDE OF WEB

1/2" CAP PLATE

3 1/2" DIAMETER

A500-GR.B-42

1/2" BASE PLATE

UNLESS OTHERWISE NOTED IN PLAN

(4) 1/2" ANCHOR BOLTS

-GUTTER

\_\_IX8 FASCIA

\_#2 2X6 D-FIR 16" O.C.

HEADER (SEE PLAN FOR SIZE)

PER R403.1.6- WITH 2" X 2" X 3/16" PLATE

7/16" HRD. BRD.

2 X 10 TREATED

| + -|

COMMON OR GALVANIZED BOX NAILS AT 3" O.C. IN ALL

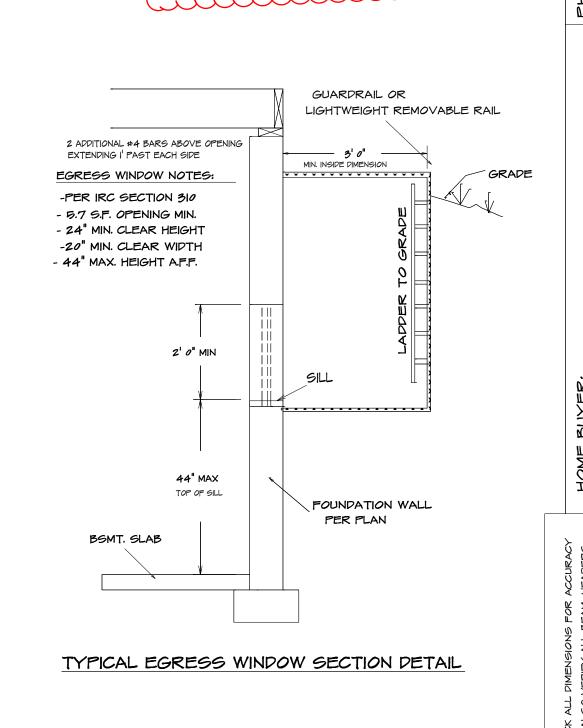
MIN. (2) 4200 LB STRAP TYPE HOLD DOWND EMBEDDED

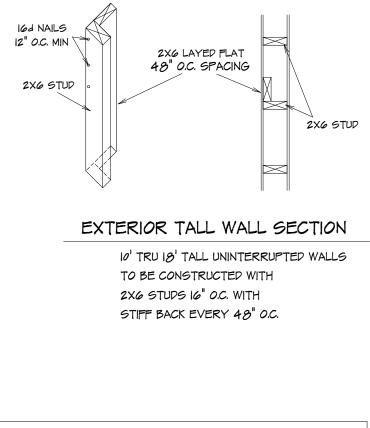
MIN. REINFORCING OF FOUNDATION, ONE #4 BAR TOP

GALVANIZED BOX NAILS IN 3" GRID PATTERN AS SHOWN

HEADER TO JACK-STUD STAP PER TABLE R602.10.6.4 ON

LOT 85 WOODSIDE RIDGE 322 NW AMBERSHAM DR. LEES SUMMIT MO. 64081





PLANS WERE DESIGNED AND REVIEWED IN ACCORDANCE WITH THE 2018 IRC

# GARAGE

- I. THE GARAGE FLOOR SHALL BE SLOPED TOWARD GARAGE DOORS 2. DOORS BETWEEN GARAGE AND DWELLING - MIN | 3/3" SOILD CORE OR HONEY COMBED STEEL DOOR OR 20 MIN. RATED
- 3. GARAGE TO HAVE 5/8" TYPE X GYPSUM THROUGHTOUT 4. THE H-FRAM SHALL CONSIST OF 2X6 FRAMING

GLAZING GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC SECTION R308.4 SHALL BE APPROVED SAFTY GLAZING MATERIALS: GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPENABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24" ARCH OF THE DOOR IN CLOSED POSITION AND WHOSE BOTTEM EDGE IS WITHIN 60" OF THE FLOOR: WALLS ENCLOSED STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTEM OF THE STAIR: ENCLOSURES FOR SPAS, TUBS, SHOWERS, AND WHIRLPOOLS: GLAZING IN FIXED OR OPENABLE PANELS EXCEEDING 9 SQ. FT. AND WHOSE BOTTEM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE WITH IN 36"

# EMERGENCY EGREGS

PROVIDE ONE WINDOW FROM EACH BEDROOM THAT HAS A MIN. OPENABLE AREA OF 5.7 SR. FT. WITH A MIN. OPENABLE HEIGHT OF 24" AND WIDTH OD 21"

## ELECTRICAL OUTLETS

- . ALL OUTLETS TO BE ARC FAULT CIRCUIT-INTERRUPTER OR GROUND FAULT CIRCUIT-INTERRUPTER PROTECTED EXCEPT.. REFRIGERATOR, SINGLE OUTLET FOR SUMP PUMP AND SINGLE OUTLET IN GARAGE FOR A FREEZER
- 2. ALL OUTLETS TO BE TAMPER RESISTANT

supervising station.

- FRAMING NOTE I. ALL LUMBER SIZES ARE FOR #2 D-FIR-LARCH
- 2. ALL HEADERS TO BE MIN. (2) #2-2X10 3. BLOCK CANTILEVERS, DOOR JAMBS, AND OVER BEAMS

SECTION R315 CARBON MONOXIDE ALARMS

For new construction, an approved carbon monoxide

dwelling units that have attached garages.

R315.2 Carbon monoxide detection systems. Carbon monoxide detection systems that include carbon

alarm shall be installed outside of each separate sleeping

area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in

monoxide detectors and audible notification appliances, i

nstalled and maintained in accordance with this section

for carbon monoxide alarms and NFPA 720, shall be permitted.

The carbon monoxide detectors shall be listed as complying with

UL 2075. Where a household carbon monoxide detection system

is installed, it shall become a permanent fixture of the occupancy,

owned by the homeowner and shall be monitored by an approved

R315.1 Carbon monoxide alarms.

- 4. ALL HEADRS TO BEAR ON MIN. OF (2) 2X4 STUDS 5. JOIST UNDER BEARING PARTITIONS SHALL BE DOUBLED
- AND COMPLY WITH IRC SEC. R502.4 6. WATER-RESISTIVE BARRIER SHALL BE PROVIDED
- OVER ALL EXTERIOR WALL PER IRC SEC. R703 7. WHERE CEILING JOIST ARE NOT INSTALLED CONNECTED TO THE RAFTERS AT THE TOP PLATE AND/OR WHERE CEILING JOIST ARE NOT INSTALLED IN THE LOWER 1/3 OF ATTIC SPACE RAFTER TIES SHALL BE INSTALLED IN THE LOWER 1/3 OF ATTIC SPACE
- 8. COLLAR TIES SHALL BE PROVIDED IN THE ATTIC SPACE IN THE UPPER 1/3 OF ATTIC 9. ROOF IS DESIGNED FOR 20 P.S.F. ROOF SNOW LOAD (MIN.)

"STRUCTURAL" ON THE PLAN. PER IRC SEC. 802.3

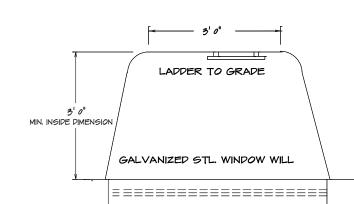
0. MIN 20 YR. ASPHALT SHINGLES II. RAFTER TIES SHALL NOT BE REQUIED WHEN A STRUCTURAL RIDGE HAS BEEN PROVIDED AND ADEQUATELY DESIGNED (AS IN A FULLY VAULTED ROOM) SUCH SHALL BE NOTED AS

# INSULATION NOTES: MIN. INSULATION SHALL BE PROVIDED

ADJACENT TO HABITABLE AREAS AS EXTERIOR FRAMED WALLS (RID OR RIB+6) FLOOR OVER HEATED SPACE RIO FLOOR OVER OUTSIDE AIR RIO ATTIC - BLOWN IN R40 CATHEDRAL CEILING

# FOUNDATION WALL FORMWORK OPTIONS:

# OR TEMPORARY FRAMED WALLS BY CONTRACTOR



# TYPICAL EGRESS WINDOW PLAN SECTION

# 3" HSS COLUMN 1/2" X 6" BASE PLATE

## Foundation Wall Reinforcement Schedule - Table 2

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 -	- Minim	num Gr	ade 40	steel	#4	oar
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 spaced 24 inch 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 earth 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.

FASTENER<sup>a, b, c</sup>

- b) Other bars shall be equally spaced with spacing not to exceed 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).
- d) Supplemental reinforcement at corners Place 1 #4 bar 48 inches long at 45 degree angle at corners of openings per Figure 4a. Place reinforcement within 6" of the edge of inside corners
- 5) Reinforcement shall be lapped a minimum 24 inches at ends, splices, and around corners. 6) At masonry ledges the minimum wall thickness shall be 3-1/2 inches. Ledges shall not
- exceed a depth of more than 24 inches below the top of the wall. 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.
- 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 inside the shortest dimension between intersecting walls (See 7/S2).

# TABLE R602.3(1)—continued FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

	DESCRIPTION OF	DESCRIPTION OF	SPACING OF FASTENERS		
BUILDING MATERIALS		FASTENER <sup>b, c, e</sup>	Edges (inches) <sup>i</sup>	Intermediate supports <sup>c, e</sup> (inches)	
₩	ood structural panels, su	ibfloor, roof and interior wa sheathing to fr	ll sheathing to aming	framing and particleboard wall	
32	3/8" - 1/2"	6d common (2" × 0.113") nail (subfloor wall) 8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131") nail (roof) <sup>f</sup>	6	12 <sup>9</sup>	
33	19/32" - 1"	8d common nail (2 <sup>1</sup> / <sub>2</sub> " × 0.131")	6	129	
34	1 <sup>1</sup> /8" - 1 <sup>1</sup> /4"	10d common (3" × 0.148") nail or 8d (2 <sup>1</sup> / <sub>2</sub> " × 0.131") deformed nail	6	12	
	°	Other wall shea	athing <sup>h</sup>		
35	<sup>1</sup> / <sub>2</sub> " structural cellulosic fiberboard sheathing	1 <sup>1</sup> / <sub>2</sub> " galvanized roofing nail, <sup>7</sup> / <sub>16</sub> " crown or 1" crown staple 16 ga., 1 <sup>1</sup> / <sub>4</sub> " long	3	6	
36	<sup>25</sup> / <sub>32</sub> " structural cellulosic fiberboard sheathing	1 <sup>3</sup> /4" galvanized roofing nail, <sup>7</sup> / <sub>16</sub> " crown or 1" crown staple 16 ga., 1 <sup>1</sup> / <sub>2</sub> " long	3	6	
37	<sup>1</sup> / <sub>2</sub> " gypsum sheathing <sup>d</sup>	1 <sup>1</sup> / <sub>2</sub> " galvanized roofing nail; staple galvanized, 1 <sup>1</sup> / <sub>2</sub> " long; 1 <sup>1</sup> / <sub>4</sub> screws, Type W or S	7	7	
38	5/8" gypsum sheathing <sup>d</sup>	1 <sup>3</sup> / <sub>4</sub> " galvanized roofing nail; staple galvanized, 1 <sup>5</sup> / <sub>8</sub> " long; 1 <sup>5</sup> / <sub>8</sub> " screws, Type W or S	7	7	
Â	Wood stru	uctural panels, combination	subfloor unde	rlayment to framing	
39	<sup>3</sup> /4" and less	6d deformed (2" × 0.120") nail or 8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131") nail	6	12	
40	<sup>7</sup> /8" - 1"	8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131") nail or 8d deformed (2 <sup>1</sup> / <sub>2</sub> " × 0.120") nail	6	12	
41	11/8" - 11/4"	10d common (3" × 0.148") nail or 8d deformed (2 <sup>1</sup> / <sub>2</sub> " × 0.120") nail	6	12	

For SI: 1 inch = 25.4 mm. 1 foot = 304.8 mm. 1 mile per hour = 0.447 m/s: 1 Ksi = 6.895 MPa.

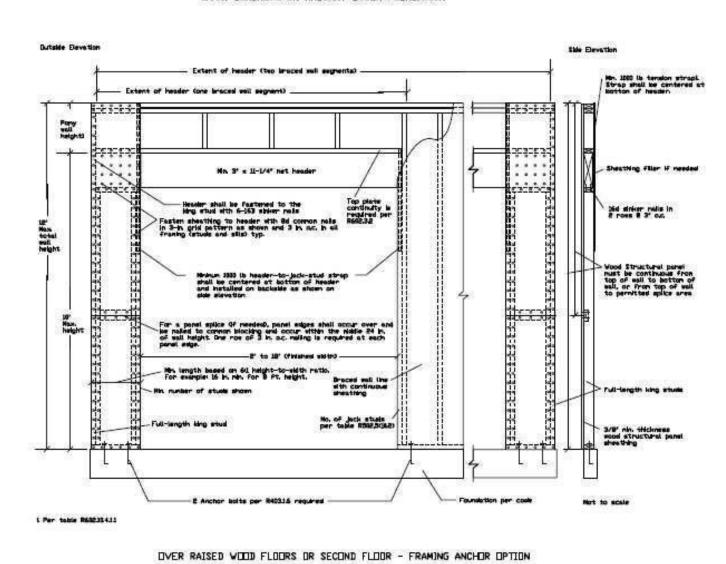
## TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

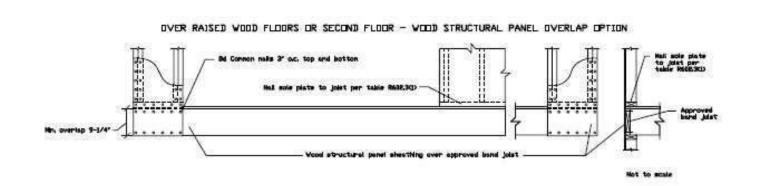
ITEM DESCRIPTION OF BUILDING TYPE OF

ELEMENTS

		FASTENER <sup>a, b, c</sup>	
1	Blocking between joists or rafters to top plate, toe nail	3-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113")	85
2	Ceiling joists to plate, toe nail	3-8d (2 <sup>1</sup> / <sub>2</sub> " × 0,113")	8-
E FO	Reiling joists not attached to parallel rafter, laps over partitions, fade nail	3-10d	g <del>-</del>
T SF	RVICES tie to rafter, face nail or SSOVICI × 20 gage ridge strap	3-10d (3" × 0.128")	N-
021 5	Rafter or roof truss to plate, toe nail	3-16d box nails (3 <sup>1</sup> / <sub>2</sub> " × 0.135") or 3-10d common nails (3" × 0.148")	2 toe nails on one side and 1 toe nail on opposite side of each rafter or trussi
6	Roof rafters to ridge, valley or hip rafters: toe nail face nail	4-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135") 3-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	16 <u>—</u>
546	Technical and a second	Wall	
7 8	Built-up studs-face nail  Abutting studs at intersecting wall corners, face nail	10d (3" × 0.128") 16d (3 <sup>1</sup> / <sub>2</sub> " ×	24″ o.c. 12″ o.c.
9	Built-up header, two pieces	0.135") 16d (3 <sup>1</sup> / <sub>2</sub> " ×	16" o.c. along each
10	with 1/2" spacer	0.135") 16d (3 <sup>1</sup> / <sub>2</sub> " ×	edge 16" o.c. along each
11	Continuous header to stud, toe	900 RS 500	edge —
	naii	0.113")	
12	Double studs, face nail  Double top plates, face nail	10d (3" × 0.128") 10d (3" × 0.128")	24" o.c. 24" o.c.
14	Double top plates, minimum 24-inch offset of end joints,	8-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	24 U.C.
15	face nail in lapped area  Sole plate to joist or blocking, face nail	16d (3 <sup>1</sup> / <sub>2</sub> " ×	16" o.c.
16	Sole plate to joist or blocking	0.135") 3-16d (3 <sup>1</sup> / <sub>2</sub> " ×	16" o.c.
17		0.135")  3-8d (2 <sup>1</sup> / <sub>2</sub> " ×  0.113") or 2-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	10-0-0-0
18	Top or sole plate to stud, end	2-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	8-
19	Top plates, laps at corners and intersections, face nail	2-10d (3" × 0.128")	16 <u>-</u>
20	1" brace to each stud and plate, face nail	2-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 2 staples 1 <sup>3</sup> / <sub>4</sub> " ×	91 <u>1986</u>
21	1" × 6" sheathing to each bearing, face nail	2-8d (2 <sup>1</sup> /2" × 0.113") 2 staples 1 <sup>3</sup> /4"	9 <del>-</del> 3#
22	1" × 8" sheathing to each bearing, face nail	2-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 3 staples 1 <sup>3</sup> / <sub>4</sub>	erez.
23	Wider than 1" × 8" sheathing to each bearing, face nail	3-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 4 staples 1 <sup>3</sup> / <sub>4</sub> "	19
	F	Floor	
24		3-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113")	8-
25	Rim joist to top plate, toe nail (roof applications also)	8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113")	6" o.c.
26	Rim joist or blocking to sill plate, toe nail	8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113")	6″ o.c.
27	1" × 6" subfloor or less to each joist, face nail	2-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 2 staples 1 <sup>3</sup> / <sub>4</sub> "	3_3
28	2" subfloor to joist or girder, blind and face nail	2-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	NS.
29	2" planks (plank & beam - floor & roof)	2-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	at each bearing
30	Built-up girders and beams, 2-inch lumber layers	10d (3" × 0.128")	Nail each layer as follows: 32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.
31	Ledger strip supporting joists	3-16d (3 <sup>1</sup> / <sub>2</sub> " ×	At each joist or rafter

## OVER CONCRETE OR MASONRY BLOCK FOUNDATION





CF-PF WALL BRACING SECTION

NOTE... HIP RIDGE FOR THE MAIN ROOF AS: 2X8 FOR UNBRACED LENGTH UP TO 9'0" 2XIO FOR UNBRACED LENGTH UP TO 10'0" 2XI2 FOR UNBRACED LENGTH UP TO 12'0"

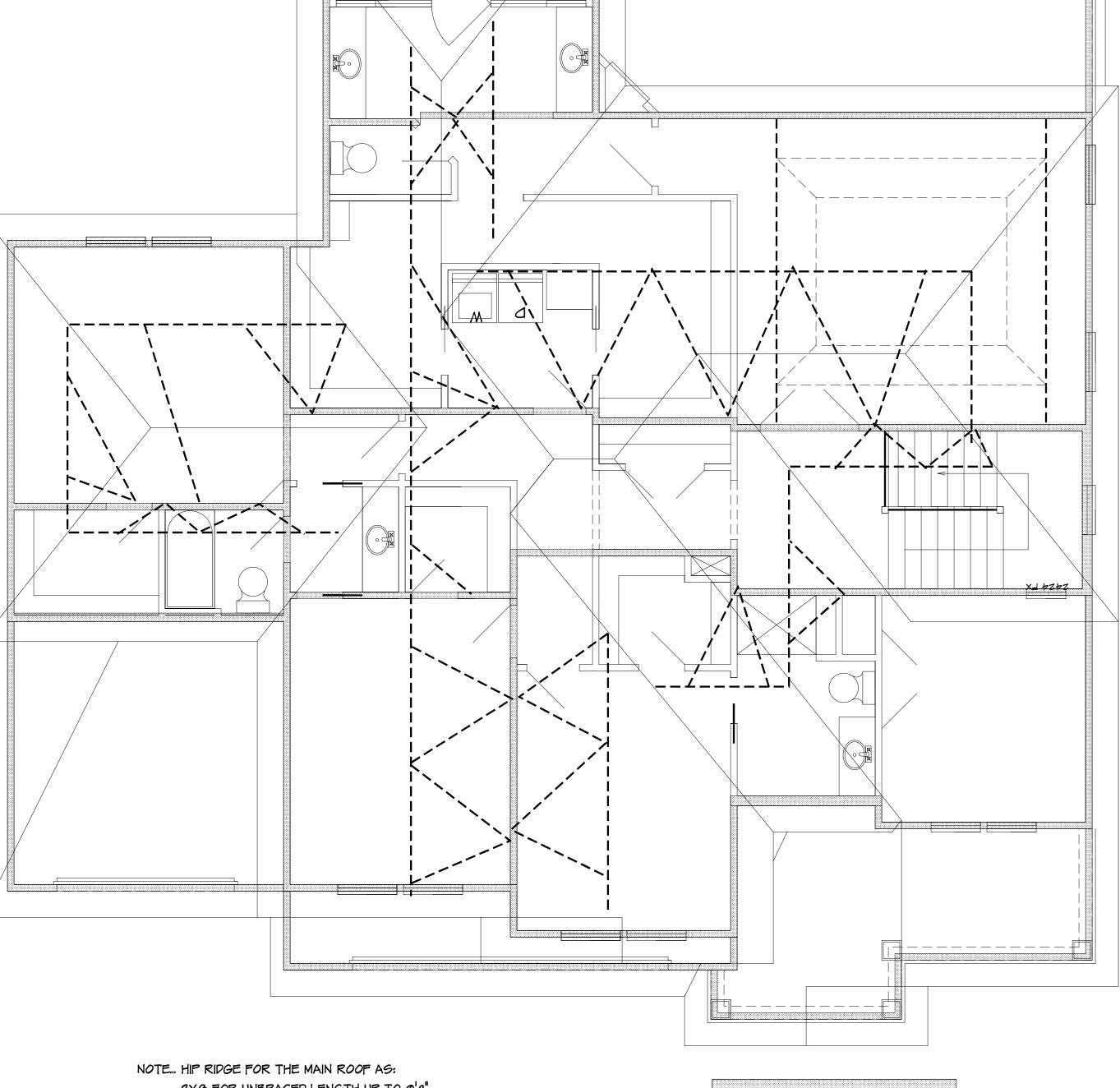
UNLESS OTHER WISE NOTED PURLING RAFTERS TO BEARING WALL LINES CONNECT RAFTERS TO CEILING JOIST W (4) IGA GALV. NAILS CONNECT RAFTERS TO RIDGE, VALLEY, AND HIP RIDGE WITH (4) 16d GALV. NAILS

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

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

> LOT 85 WOODSIDE RIDGE 322 NW AMBERSHAM DR. LEES SUMMIT MO. 64081

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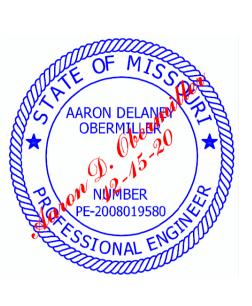


BEARING WALL LINES

# ROOF ELEVATION 1/4" = 10"

ROOF DESIGNED WITH: LIVE LOAD = 20 PSF DEAD LOAD = 10 PSF

PLANS WERE DESIGNED AND REVIEWED IN ACCORDANCE WITH THE 2018 IRC



## Foundation Wall Reinforcement Schedule - Table 2

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 -	- Minim	ıum Gr	ade 40	steel	#4	oar
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 spaced 24 inch 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 earth 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.

FASTENER<sup>a, b, c</sup>

- b) Other bars shall be equally spaced with spacing not to exceed 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).
- d) Supplemental reinforcement at corners Place 1 #4 bar 48 inches long at 45 degree angle at corners of openings per Figure 4a. Place reinforcement within 6" of the edge of inside corners
- 5) Reinforcement shall be lapped a minimum 24 inches at ends, splices, and around corners. 6) At masonry ledges the minimum wall thickness shall be 3-1/2 inches. Ledges shall not
- exceed a depth of more than 24 inches below the top of the wall. 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.
- 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 inside the shortest dimension between intersecting walls (See 7/S2).

## TABLE R602.3(1)—continued FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

i sere	DESCRIPTION OF	DESCRIPTION OF	SPACING OF FASTENERS		
TEM	DESCRIPTION OF BUILDING MATERIALS	FASTENER <sup>b, c, e</sup>	Edges (inches) <sup>i</sup>	Intermediate supports <sup>c, e</sup> (inches)	
W	ood structural panels, su	sheathing to fi		framing and particleboard wall	
32	3/8" - 1/2"	6d common (2" × 0.113") nail (subfloor wall) <sup>j</sup> 8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131") nail (roof) <sup>f</sup>	6	12 <sup>9</sup>	
33	<sup>19</sup> / <sub>32</sub> " - 1"	8d common nail (2 <sup>1</sup> / <sub>2</sub> " × 0.131")	6.	129	
34	11/8" - 11/4"	10d common (3" × 0.148") nail or 8d (2 <sup>1</sup> / <sub>2</sub> " × 0.131") deformed nail	6	12	
	>	Other wall she	athing <sup>h</sup>		
35	<sup>1</sup> / <sub>2</sub> " structural cellulosic fiberboard sheathing	$1^1/_2$ " galvanized roofing nail, $^7/_{16}$ " crown or 1" crown staple 16 ga., $1^1/_4$ " long	3	6	
36	<sup>25</sup> / <sub>32</sub> " structural cellulosic fiberboard sheathing	$1^3/4$ " galvanized roofing nail, $^7/_{16}$ " crown or 1" crown staple 16 ga., $1^1/_2$ " long	3	6	
37	<sup>1</sup> / <sub>2</sub> " gypsum sheathing <sup>d</sup>	1 <sup>1</sup> / <sub>2</sub> " galvanized roofing nail; staple galvanized, 1 <sup>1</sup> / <sub>2</sub> " long; 1 <sup>1</sup> / <sub>4</sub> screws, Type W or S	7	7	
38	<sup>5</sup> /8" gypsum sheathing <sup>d</sup>	1 <sup>3</sup> /4" galvanized roofing nail; staple galvanized, 1 <sup>5</sup> /8" long; 1 <sup>5</sup> /8" screws, Type W or S	7	7	
Â	Wood stri	uctural panels, combination	subfloor unde	rlayment to framing	
39	<sup>3</sup> /4" and less	6d deformed (2" × 0.120") nail or 8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131") nail	6	12	
40	<sup>7</sup> /8" - 1"	8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131") nail or 8d deformed (2 <sup>1</sup> / <sub>2</sub> " × 0.120") nail	6	12	
41	11/8" - 11/4"	10d common (3" × 0.148") nail or 8d deformed (2 <sup>1</sup> / <sub>2</sub> " × 0.120") nail	6	12	

For SI: 1 inch = 25.4 mm. 1 foot = 304.8 mm. 1 mile per hour = 0.447 m/s: 1 Ksi = 6.895 MPa.

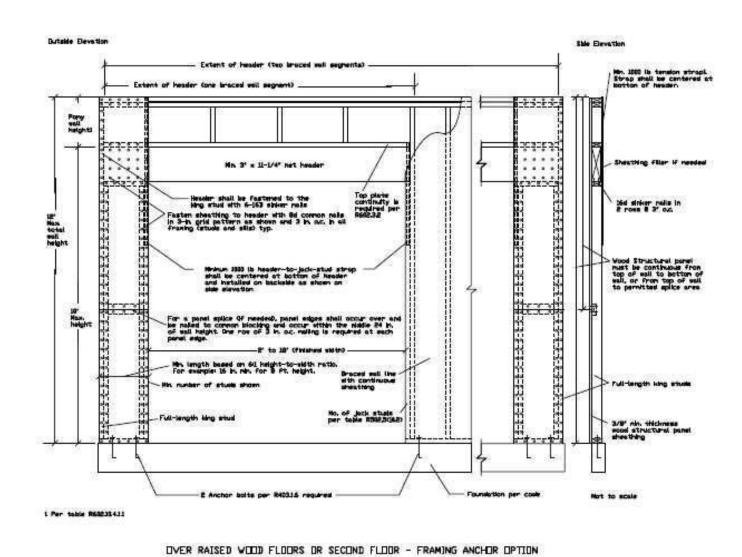
## TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

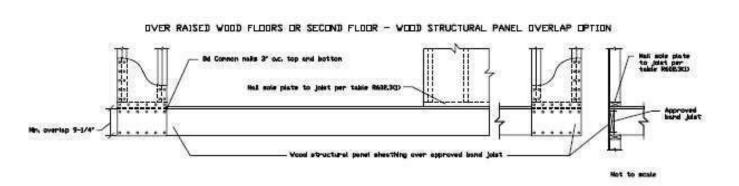
ITEM DESCRIPTION OF BUILDING TYPE OF

ELEMENTS

Ì	_	Roof					
	1	Blocking between joists or rafters to top plate, toe nail	3-8d (2 <sup>1</sup> / <sub>2</sub> " × 0,113")	85			
	2	Ceiling joists to plate, toe nail	3-8d (2 <sup>1</sup> /2" × 0.113")	80 <del></del>			
U	FO	Reiling joists not attached to serallel rafter, laps over partitions, face nail	3-10d	J9 <del></del>			
11	SER MISS	gerallel rafter, laps over partitions, fade nail Geleg tie to rafter, face nail or Dukri × 20 gage ridge strap	3-10d (3" × 0.128")	y <del></del>			
	021 5	Rafter or roof truss to plate, toe nail	3-16d box nails (3 <sup>1</sup> / <sub>2</sub> " × 0.135") or 3-10d common nails (3" × 0.148")	2 toe nails on one side and 1 toe nail on opposite side of each rafter or trussi			
	6	Roof rafters to ridge, valley or hip rafters: toe nail face nail	4-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135") 3-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	% <u>-</u>			
-	-40	0	Wall	I			
-	7	Built-up studs-face nail Abutting studs at intersecting	10d (3" × 0.128") 16d (3 <sup>1</sup> / <sub>2</sub> " ×	24" o.c.			
ě		wall corners, face nail Built-up header, two pieces	0.135") 16d (3 <sup>1</sup> / <sub>2</sub> " ×	16" o.c. along each			
9	9	with <sup>1</sup> / <sub>2</sub> " spacer	0.135″) 16d (3 <sup>1</sup> / <sub>2</sub> ″ ×	edge 16" o.c. along each			
	10	Continued header, two pieces	0.135")	edge			
	11	Continuous header to stud, toe nail	4-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113")	8 <del></del>			
-	12	Double studs, face nail	10d (3" × 0.128")	24" o.c.			
(3	13	Double top plates, face nail  Double top plates, minimum  24-inch offset of end joints, face nail in lapped area	10d (3" × 0.128") 8-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	24″ o.c. —			
	15	Sole plate to joist or blocking, face nail	16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	16" o.c.			
	16	Sole plate to joist or blocking at braced wall panels	3-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	16" o.c.			
	17	Stud to sole plate, toe nail	3-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") or 2-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	y			
-	18	Top or sole plate to stud, end nail	2-16d (3 <sup>1</sup> / <sub>2</sub> " × 0,135")	8—			
	19	Top plates, laps at corners and intersections, face nail	2-10d (3" × 0.128")	8-			
-	20	1" brace to each stud and plate, face nail	2-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 2 staples 1 <sup>3</sup> / <sub>4</sub> " ×	PLNS			
3	21	1" × 6" sheathing to each bearing, face nail	2-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 2 staples 1 <sup>3</sup> / <sub>4</sub> "	10 <u>-10</u> -2			
-	22	1" × 8" sheathing to each bearing, face nail	2-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 3 staples 1 <sup>3</sup> / <sub>4</sub>	y <del>-</del>			
30	23	Wider than 1" × 8" sheathing to each bearing, face nail	3-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 4 staples 1 <sup>3</sup> / <sub>4</sub> "	12.2			
	24	Joist to sill or girder, toe nail	3-8d (2 <sup>1</sup> /2" × 0.113")	# <del>-</del>			
1	25	Rim joist to top plate, toe nail (roof applications also)	8d (2 <sup>1</sup> / <sub>2</sub> " ×	6" o.c.			
-	26	Rim joist or blocking to sill plate, toe nail	0.113") 8d (2 <sup>1</sup> / <sub>2</sub> " ×	6″ o.c.			
	27	1" × 6" subfloor or less to each joist, face nail	0.113") 2-8d (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 2 staples 1 <sup>3</sup> / <sub>4</sub> "	13_128			
-	28	2" subfloor to joist or girder, blind and face nail	2-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135")	85			
8	29	2" planks (plank & beam - floor & roof)	2-16d (3 <sup>1</sup> / <sub>2</sub> " ×	at each bearing			
	30	Built-up girders and beams, 2-inch lumber layers	0.135") 10d (3" × 0.128")	Nail each layer as follows: 32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.			
- 1		Ledger strip supporting joists	3-16d (3 <sup>1</sup> / <sub>2</sub> " ×				

## OVER CONCRETE OR HASONRY BLOCK FOUNDATION





CF-PF WALL BRACING SECTION

2XI2 FOR UNBRACED LENGTH UP TO 12'0" ALL RAFTERS TO BE #2 2X6 D-FIR 16" O.C. UNLESS OTHER WISE NOTED

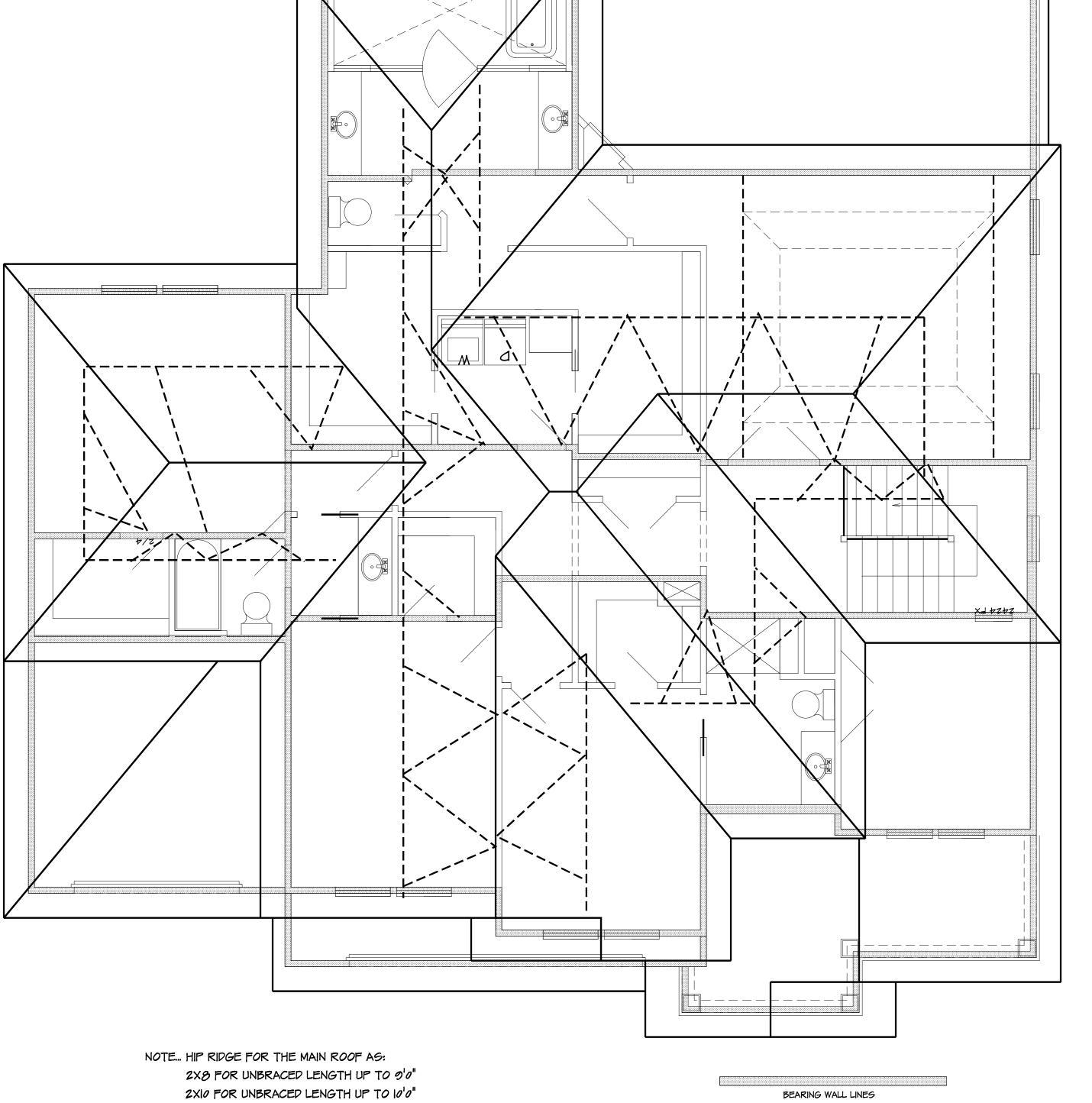
PURLING RAFTERS TO BEARING WALL LINES

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

 $\sim$ 

LOT 85 WOODSIDE RIDGE 322 NW AMBERSHAM DR. LEES SUMMIT MO. 64081



ROOF ELEVATION

1/4" = 1'0"

ROOF DESIGNED WITH: LIVE LOAD = 20 PSF DEAD LOAD = 10 PSF

PLANS WERE DESIGNED AND REVIEWED IN ACCORDANCE WITH THE 2018 IRC

