



1713 SW BLACKSTONE DR LEES SUMMIT MO LOT 144 NAPA VALLEY

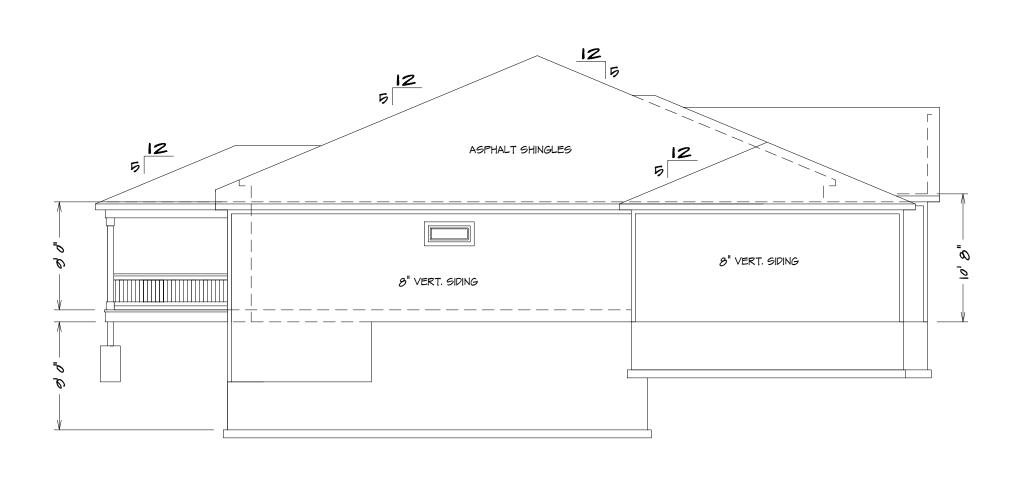
BUILDER/CONTRACTOR IS RESPONSIBLE TO
CHECK ALL DIMENSIONS FOR ACCURACY
BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS.
ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS,
AND COLUMN SIZES.

FRONT ELEVATION

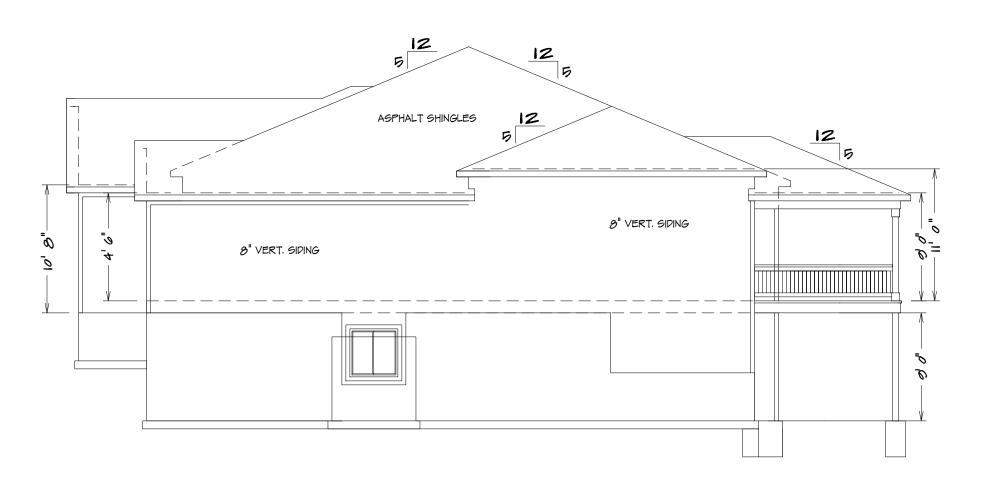
1/4" = 1'0"

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

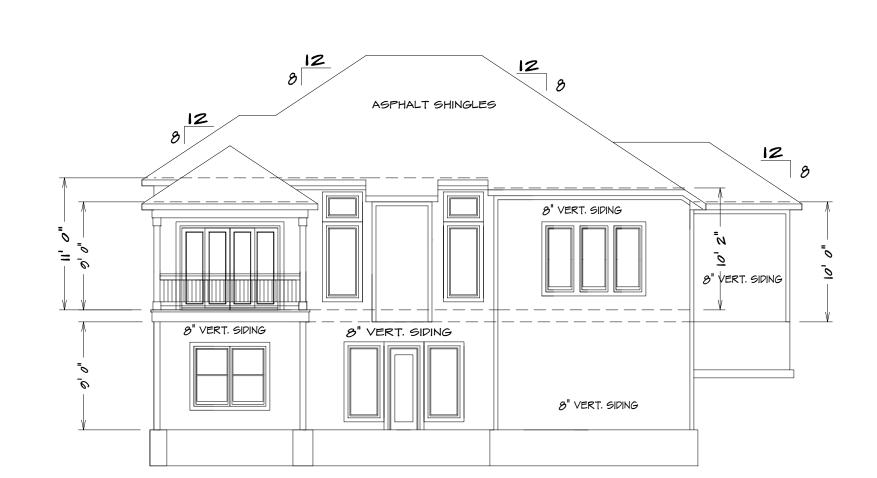
ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC



LEFT ELEVATION

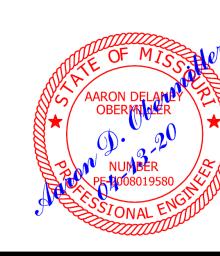


RIGHT ELEVATION



REAR ELEVATION

1/8" = 1'0"



SQUARE FOOTAGE

LIVING AREA
FIRST FLOOR = 1735
BASEMENT = 1248

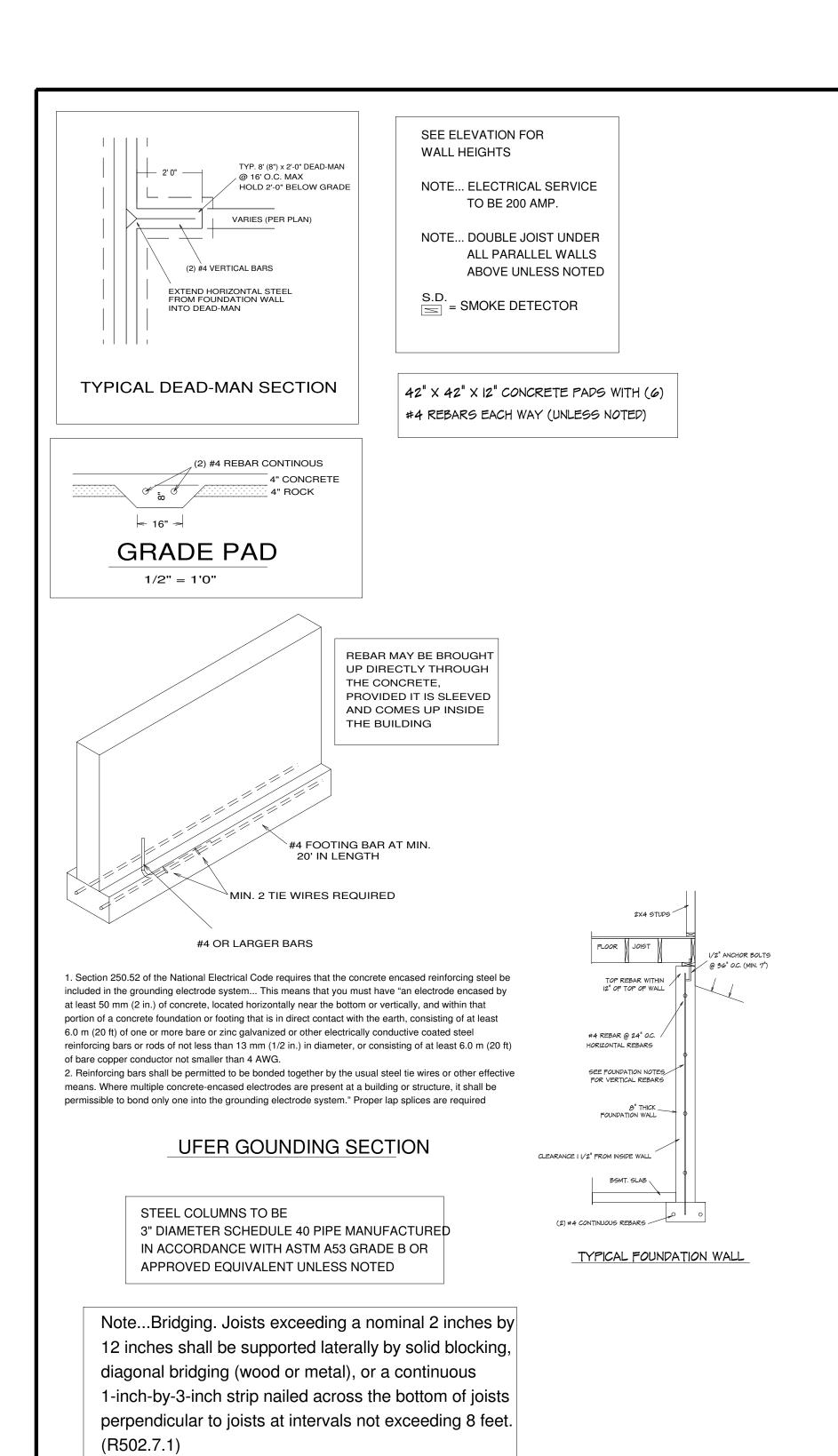
UNFINISHED AREA

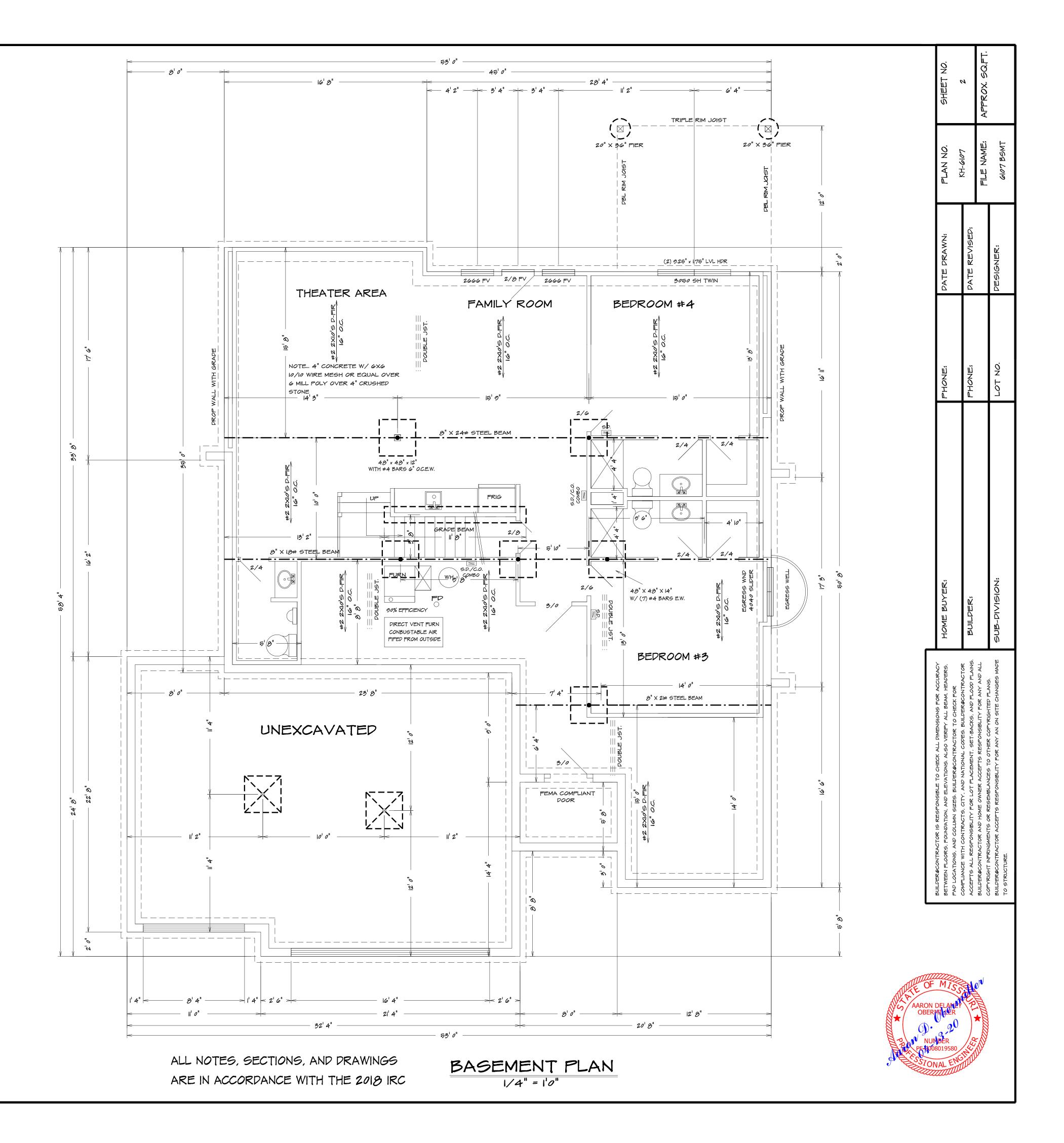
GARAGE = 787

STORAGE BASEMENT = 328

THE "WHITE TAIL"

KH-6107 (WHITE TAIL)





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

GENERAL HEADER SPECIFICATIONS:				
REQUIRED AREAS NEEDING HEADERS:	HEADER DESCRIPTIONS:			
WINDOWS/DOORS UP TO 38" R.O.	(2) #2 D-FIR 2X10'S			
WINDOWS/DOORS 38" UP TO 72" R.O.	(2) #2 D-FIR 2X10'S W/1/2" 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) 11 7/8" L.V.L.			
16'0" GARAGE DOOR W/NO SECOND FLOOR	(2) 11 7/8" L.V.L.			
16'0" GARAGE DOORS W/SECOND FLOOR	(2) 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 (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

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 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.

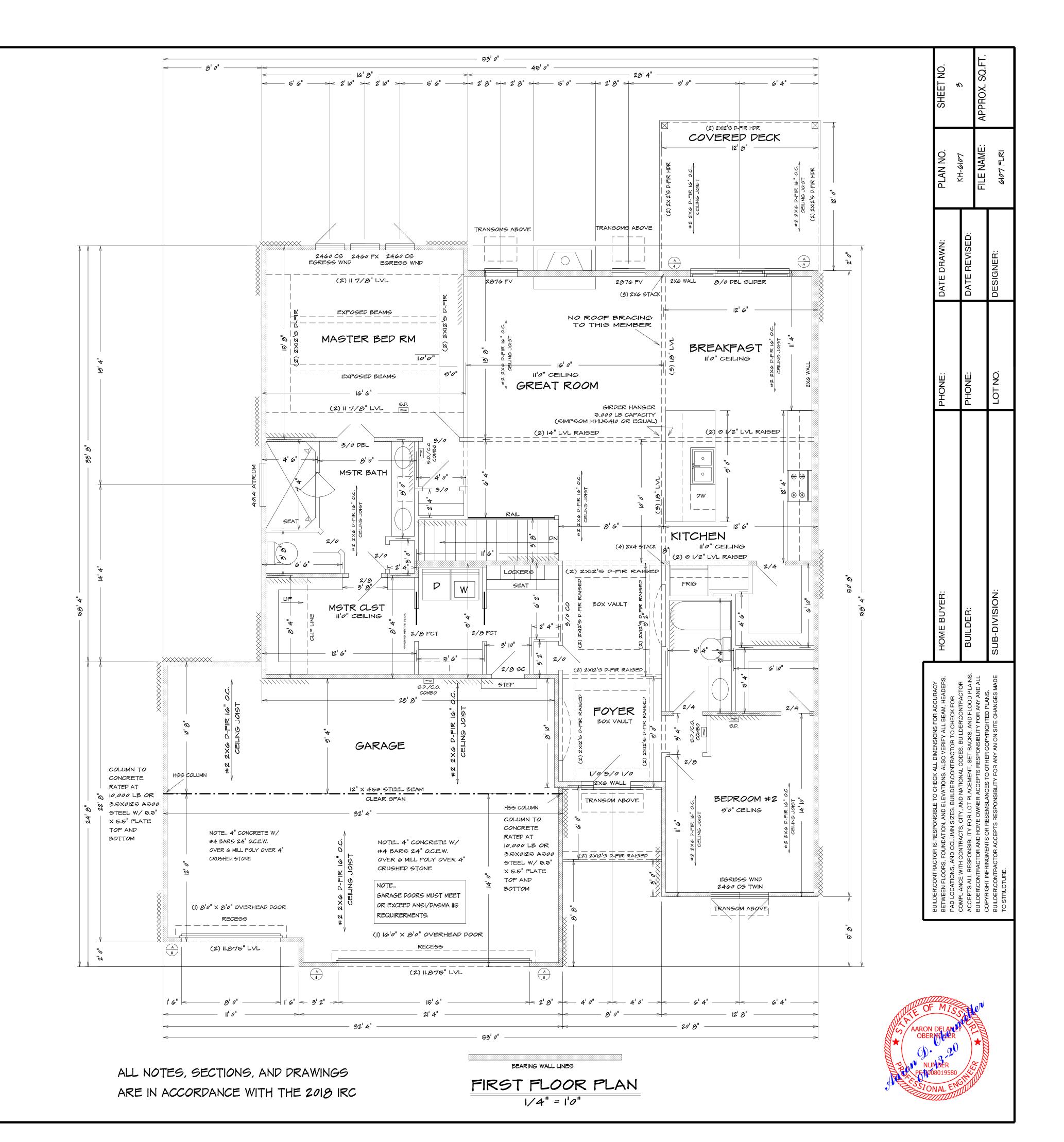
Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate glazing area in windows of not less than 3 square feet, one-half of which must be openable.

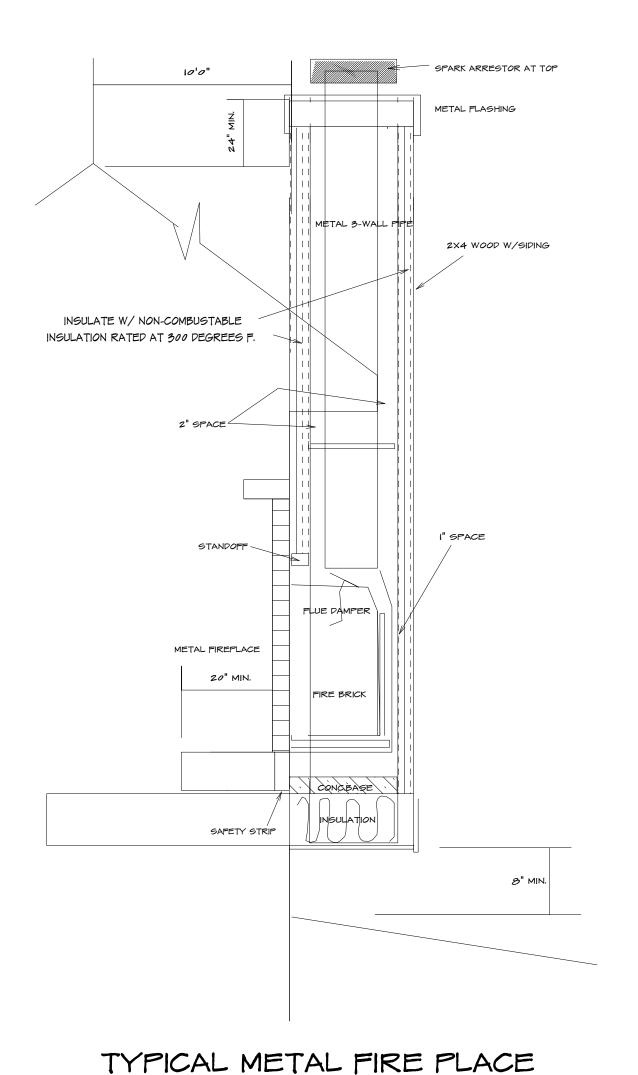
Exception:

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

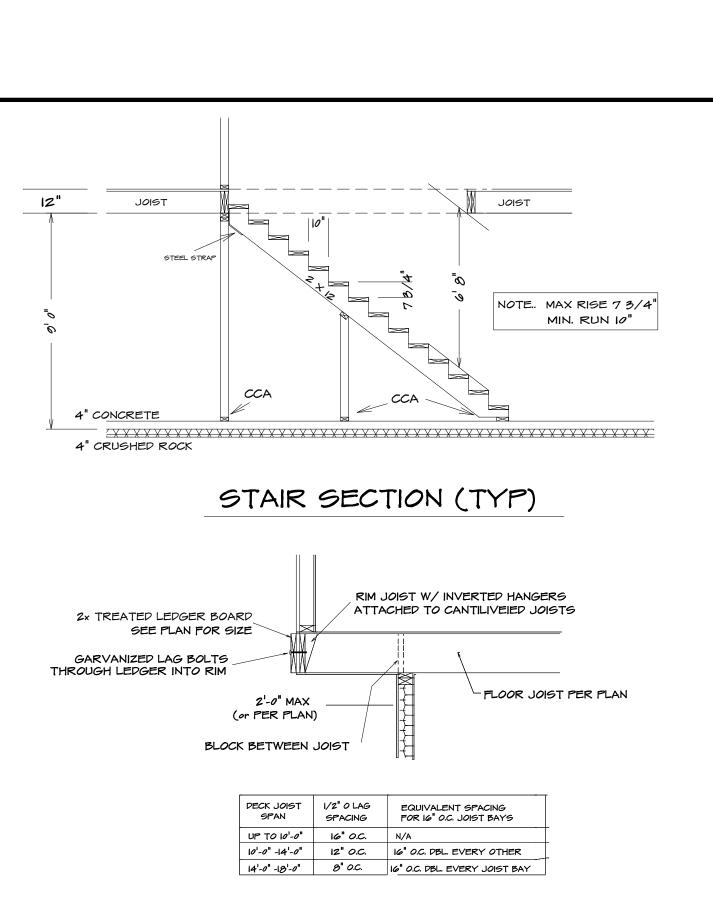
The minimum local exhaust rates shall be determined in accordance with Section MIB07.

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

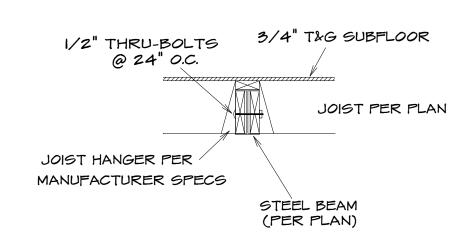




NOTE SEE SPECS FOR SPECIFIC APPLICATIONS.



TYPICAL CANTILEVER FRAMING W/ DECK ATTACHMENT



R312.2 Guard opening limitations.

R302.5.1 Opening protection.

shall not be permitted.

SMOKE ALARMS:

2018 IRC.

more in diameter.

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.

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

raised floor areas, balconies, and porches shall

12" O.C. BOTH-WAYS W/1" TO 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 FOUNDATION WALL PER PLAN PER PLAN

ROOFING MATERIAL

FAFTER ATTIC SPACE

R-40 INSULATION (MIN)

SIMPSON H2.5A

OR EQUAL 48" O.C.

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

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

TYPICAL WALL SECTION

SEE FOUNDATION NOTES

GRADE

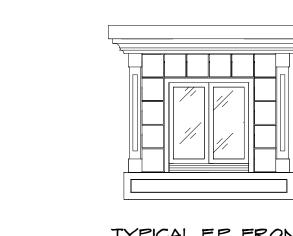
SILL SEALER

W/ TYVEX HOUSE WRAP

UNDERNEATH

FORMWORK OPTIONS:

- I. PROVIDE VULCRAFT 2VLI (OR EQUAL DURING CONSTRUCTION) or
- 2. PLYWOOD FORMS WITH EXPANDABLE BAR JOIST



. MAXIMUM SPAN = 6'

2. MINIMUM 6" THICKNESS

AT THE EDGES OF SLAB

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

4. MIN. I-I/2" OF CONTINUIUS BEARING

5. PORCH SLAB GREATER THEN 6' SHALL BE

TREATED AS AN ELEVATED GARAGE SLAB

TYPICAL F.P. FRONT

UPSET STEEL BEAM/JOIST CONNECTION 6" CONC. SLAB W/#4 BARS @

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

EMERGENCY EGRESS

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

owned by the homeowner and shall be monitored by an approved supervising station.

- FRAMING NOTE
- 2. ALL HEADERS TO BE MIN. (2) #2-2XI0

SECTION R315 CARBON MONOXIDE ALARMS

For new construction, an approved carbon monoxide

dwelling units that have attached garages.

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

Carbon monoxide detection systems that include carbon

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,

R315.1 Carbon monoxide alarms.

- 3. BLOCK CANTILEVERS, DOOR JAMBS, AND OVER BEAMS 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.)
- 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 "STRUCTURAL" ON THE PLAN. PER IRC SEC. 802.3

I. ALL LUMBER SIZES ARE FOR #2 D-FIR-LARCH

PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING ROOM AND ON EACH FLOOR, INCLUDING BASEMENT. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE

DWELLING. (SECTION R314.5)

INSULATION NOTES:

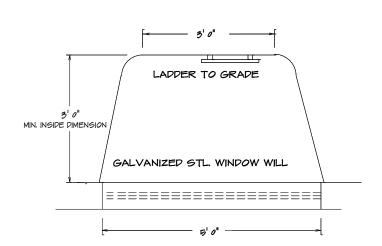
MIN. INSULATION SHALL BE PROVIDED ADJACENT TO HABITABLE AREAS AS

EXTERIOR FRAMED WALLS (RIO OR RI3+5) FLOOR OVER HEATED SPACE RIO FLOOR OVER OUTSIDE AIR RIO ATTIC - BLOWN IN R40 CATHEDRAL CEILING

PORCH SLAB (6'SPAN OR LESS)

- CORRUGATED DECKING (SHORE AT MID-SPAN
- OR TEMPORARY FRAMED WALLS BY CONTRACTOR

SUSPENDED PORCH STOOP DETAIL OPTIONAL



TYPICAL EGRESS WINDOW PLAN SECTION

SEE PLAN FOR BEAM SIZE (4) 1/2" DIA BOLTS 1/2" CAP PLATE 4" DIAMETER A500-GR.B-42

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

TENSION STRAP PER

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.

BRACED WALL SECTION

ROOFING MATERIAL

240 LB ASPHALT SHINGLES

-7/16" OSB

-2-PLY 15# FELT

~ 2X6 SUB-FASCIA

6X6 CEDAR POST

SOFFIT BOARD

6X6 CEDAR POST

-GUTTER

__IX8 FASCIA

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

HEADER (SEE PLAN FOR SIZE)

MIN. 1000 LB.

TYPICAL PORTAL

BE NAILED TO

OF SHEATING

(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 OR

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

THICK WOOD STRUCTURAL PANEL SHEATHING WITH δD

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

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

R602.10.6.2 Method PFH: Portal frame with hold-downs

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

7/16" HRD. BRD.

2 X 10 TREATED

GALVANIZED BOX NAILS IN 3" GRID PATTERN AS SHOWN

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

(4) 1/2" ANCHOR BOLTS

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

EXTENDING I' PAST EACH SIDE

FASTEN TOP PLATE

TO HEADER WITH 2

SINKER NAILS AT 3"

MIN. 3/8" WOOD

-STRUCTURAL PANEL

ROWS OF 16D

O.C. TYP

SHEATHING

2 ADDITIONAL #4 BARS ABOVE OPENING — 3' o" — EGRESS WINDOW NOTES: ****************** -PER IRC SECTION 310 - 5.7 S.F. OPENING MIN. - 24" MIN. CLEAR HEIGHT -20" MIN. CLEAR WIDTH - 44" MAX. HEIGHT A.F.F. 2' 0" MIN SILL

> 44" MAX TOP OF SILL

BSMT. SLAB

BRACED WALLS:

METHOD WSP (R602.10.4 2018 IRC):

MIN. 5/16" APA RATED WITH 8d

METHOD GB (R602.10.4 2018 IRC):

MIN. I/2" GYPSUM BOARD WITH NO. 6 I-I/4" TYE W OR S SCREWS @ 7" O.C. EDGES AND WALL (4'-0" LONG, BOTH FACES OF WALL

NAILS @ 6" AND IZ"

R602.10.6.2 Method PFH: Portal frame with hold-downs

R602.10.6.3 Method PFG: at garage door openings in

R602.10.6.1 Method ABW: Alternate braced wall panels

R602.10.6.4 Method CS-PF: Continuously sheathed portal frame

A ALTERNATE BRACED WALL PANEL

ALTERNATE BRACED WALL PANEL

Seismic Design Categories A, B and C

ALTERNATE BRACED WALL PANEL

(A) ALTERNATE BRACED WALL PANEL .

NAILS @ 16" O.C.

2. PROVIDE SOLID BLOCKING ABOVE AND BELOW

ALL BRACED WALL LINES WHERE FRAMING ABOVE

OR BELOW RUNS PERPENDICULAR TO THE BRACING.

SHALL BE FASTENED TO BLOCKING (RO PARALLEL

FRAMING MEMBER WHERE PROVIDED) WITH (3) 164

THE BRACED WALL SOLE PLATE AND TOP PLATE

3. SIMPSON STHD-14 HOLD-DOWN STRAPS MAY BE

MIN. 7" INTO THE FOUNDATION

SUBSTITUTED WITH SIMPSON PHD2 HOLD-DOWNS

AND A 5/8" ANCHOR ROD DRILLED AND EPOXIED A

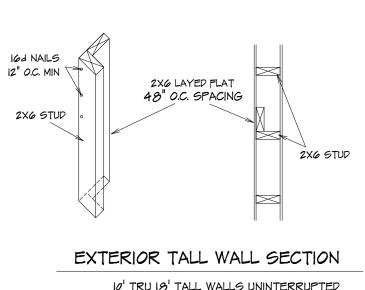
GUARDRAIL OR

FOUNDATION WALL

PER PLAN

LIGHTWEIGHT REMOVABLE RAIL

TYPICAL EGRESS WINDOW SECTION DETAIL

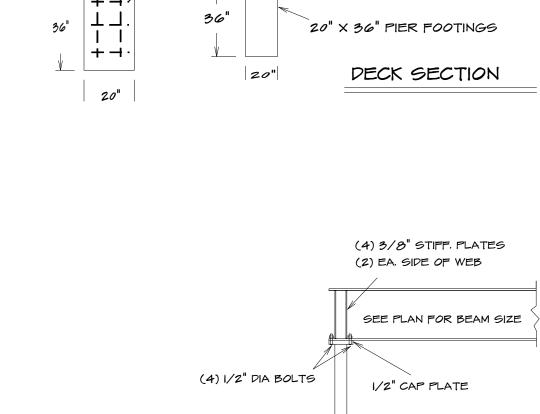




10' TRU 18' TALL WALLS UNINTERRUPTED TO BE CONSTRUCTED WITH 2X6 STUDS 16" O.C. WITH STIFF BACK EVERY 48" O.C.



HSS COLUMN DETAIL



3" HSS COLUMN UNLESS OTHERWISE NOTED IN PLAN 1/2" X 6" BASE PLATE 1/2" 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

One bar 12" from top of wall; maximum spacing 24" o.c. 4-#4 5-#4 6-#4 5-#4 6-#4

 Wall height is measured from the top of the wall to the top of the floor slab.
 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.
- 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.
- 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
- 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

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 inside the shortest dimension between intersecting walls (See 7/S2).

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

		DESCRIPTION OF	SPACING OF FASTENERS		
TEM	DESCRIPTION OF BUILDING MATERIALS	LDING MATERIALS FASTENER ^{b, c, e}		Intermediate supports ^{c, e} (inches)	
W	ood structural panels, su	bfloor, roof and interior wa sheathing to fi		o framing and particleboard wall	
32	3/8" - 1/2"	6d common (2" \times 0.113") nail (subfloor wall) 8d common ($2^{1}/_{2}$ " \times 0.131") nail (roof)	6	12 ^g	
33	¹⁹ / ₃₂ " - 1"	8d common nail (2 ¹ / ₂ " × 0.131")	6	12 ⁹	
34	11/8" - 11/4"	10d common (3" × 0.148") nail or 8d (2 ¹ / ₂ " × 0.131") deformed nail	6	12	
		Other wall she	athing ^h	20	
35	¹ / ₂ " 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	²⁵ / ₃₂ " 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	¹ / ₂ " gypsum sheathing ^d	1 ¹ / ₂ " galvanized roofing nail; staple galvanized, 1 ¹ / ₂ " long; 1 ¹ / ₄ screws, Type W or S	7	7	
38	5/8" gypsum sheathing ^d	1 ³ /4" galvanized roofing nail; staple galvanized, 1 ⁵ /8" long; 1 ⁵ /8" screws, Type W or S	7)	7	
Â	Wood stri	ictural panels, combination	subfloor unde	erlayment to framing	
39	³ /4" and less	6d deformed (2" × 0.120") nail or 8d common (2 ¹ / ₂ " × 0.131") nail	6	12	
40	⁷ /8" - 1"	8d common (2 ¹ / ₂ " × 0.131") nail or 8d deformed (2 ¹ / ₂ " × 0.120") nail	6	12	
41	11/8" - 11/4"	10d common (3" × 0.148") nail or 8d deformed (2 ¹ / ₂ " × 0.120") nail	6	12	

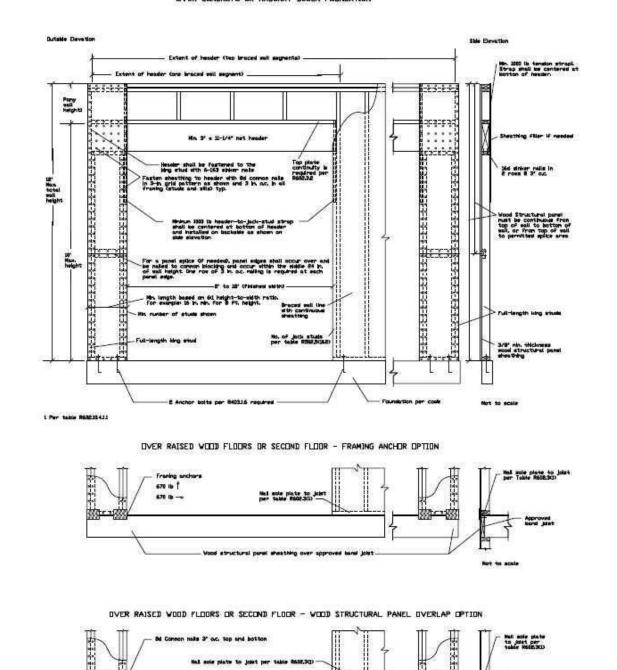
For SI: 1 inch = 25.4 mm. 1 foot = 304.8 mm. 1 mile per hour = 0.447 m/s: 1 Ksi = 6.895 MPa.

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

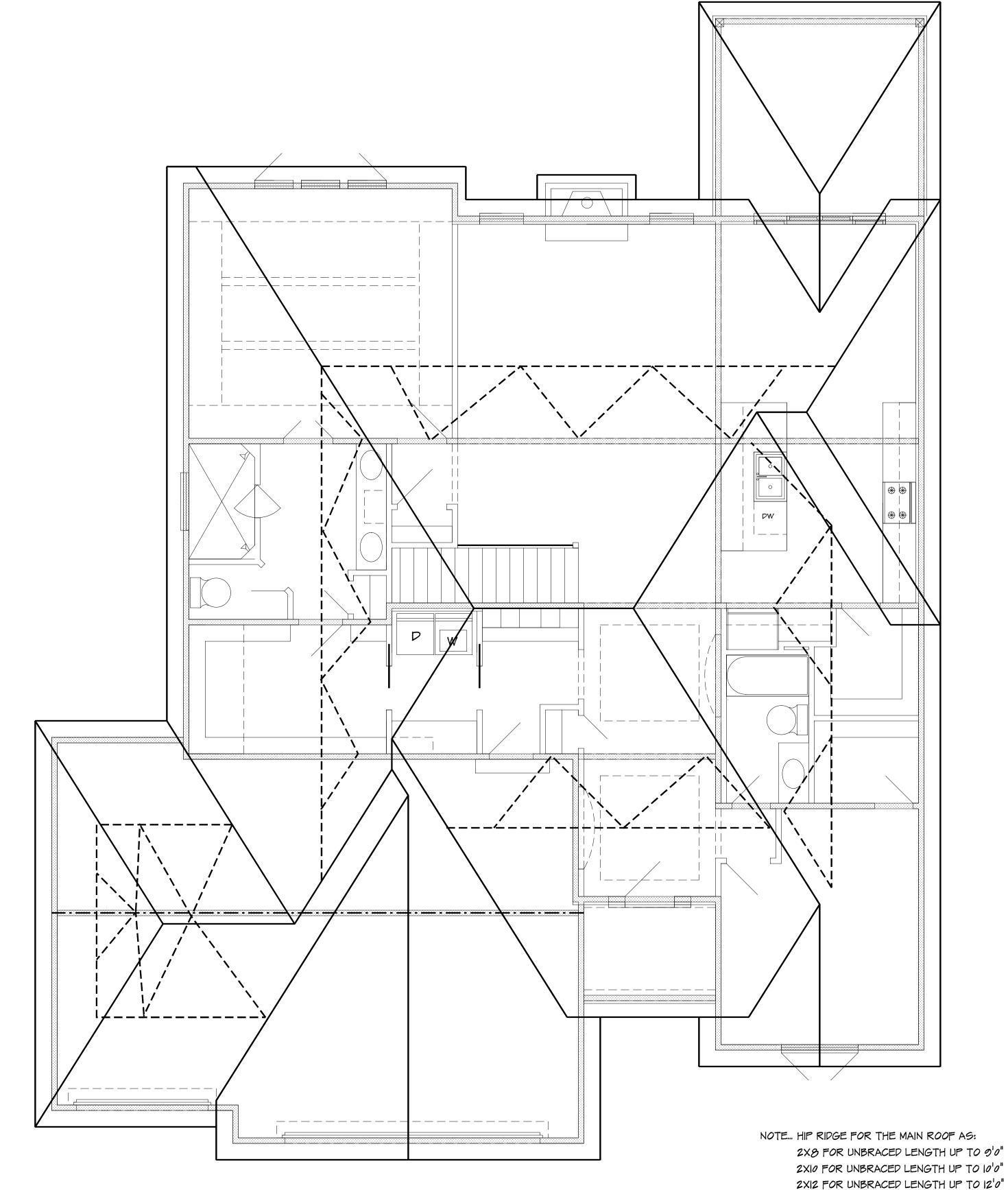
TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b, c}	SPACING OF FASTENERS	
Total Co	Blocking between joists or	Roof 3-8d (2 ¹ / ₂ " ×		
1	rafters to top plate, toe nail	0.113")	85=	
2	Ceiling joists to plate, toe nail	3-8d (2 ¹ / ₂ " × 0.113")	₩ -	
3	Ceiling joists not attached to parallel rafter, laps over partitions, face nail	3-10d	% -	
4	Collar tie to rafter, face nail or 1 ¹ /4" × 20 gage ridge strap	3-10d (3" × 0.128")	ķ -	
5	Rafter or roof truss to plate, toe nail	3-16d box nails (3 ¹ / ₂ " × 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 truss	
6	Roof rafters to ridge, valley or hip rafters: toe nail face nail	4-16d (3 ¹ / ₂ " × 0.135") 3-16d (3 ¹ / ₂ " × 0.135")	8-	
7	Built-up studs-face nail	Wall 10d (3" × 0.128")	24" o.c.	
8	Abutting studs at intersecting wall corners, face nail	16d (3 ¹ / ₂ " ×	12" o.c.	
9	Built-up header, two pieces with 1/2" spacer	0.135") 16d (3 ¹ / ₂ " ×	16" o.c. along each edge	
10	Continued header, two pieces	0.135") 16d (3 ¹ / ₂ " ×	16" o.c. along each edge	
11	Continuous header to stud, toe	0.135") 4-8d (2 ¹ / ₂ " ×	# -	
12	Double studs, face nail	0.113") 10d (3" × 0.128")	24" o.c.	
13	Double top plates, face nail	10d (3" × 0.128")	24" o.c.	
14	Double top plates, minimum 24-inch offset of end joints, face nail in lapped area	8-16d (3 ¹ / ₂ " × 0.135")	\$ -	
15	Sole plate to joist or blocking, face nail	16d (3 ¹ / ₂ " × 0.135")	16" o.c.	
16	Sole plate to joist or blocking at braced wall panels	3-16d (3 ¹ / ₂ " × 0.135")	16" o.c.	
17	Stud to sole plate, toe nail	3-8d (2 ¹ / ₂ " × 0.113") or 2-16d (3 ¹ / ₂ " × 0.135")	y-s	
18	Top or sole plate to stud, end nail	2-16d (3 ¹ / ₂ " × 0.135")	% —	
19	Top plates, laps at corners and intersections, face nail	2-10d (3" × 0.128")	192	
20	1" brace to each stud and plate, face nail	2-8d (2 ¹ / ₂ " × 0.113") 2 staples 1 ³ / ₄ " ×	72.125	
21	1" × 6" sheathing to each bearing, face nail	2-8d (2 ¹ / ₂ " × 0.113") 2 staples 1 ³ / ₄ "	9—1 40	
22	1" × 8" sheathing to each bearing, face nail	2-8d (2 ¹ / ₂ " × 0.113") 3 staples 1 ³ / ₄	¥	
23	Wider than 1" × 8" sheathing to each bearing, face nail	3-8d (2 ¹ / ₂ " × 0.113") 4 staples 1 ³ / ₄ "	32.52	
		Floor		
24	Joist to sill or girder, toe nail	3-8d (2 ¹ / ₂ " × 0.113")	# -	
25	Rim joist to top plate, toe nail (roof applications also)	8d (2 ¹ / ₂ " × 0.113")	6" o.c.	
26	Rim joist or blocking to sill plate, toe nail	8d (2 ¹ / ₂ " × 0.113")	6″ o.c.	
27	1" × 6" subfloor or less to each joist, face nail	2-8d (2 ¹ / ₂ " × 0.113") 2 staples 1 ³ / ₄ "	3—3—	
28	2" subfloor to joist or girder, blind and face nail	2-16d (3 ¹ / ₂ " × 0.135")	95	
29	2" planks (plank & beam - floor & roof)	2-16d (3 ¹ / ₂ " × 0.135")	at each bearing	
30	Built-up girders and beams, 2-inch lumber layers		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 ¹ / ₂ " ×	At each joist or rafter	

OVER CONCRETE OR HASONRY BLOCK FOUNDATION



CF-PF WALL BRACING SECTION



ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC ROOF ELEVATION 1/4" = 1'0"

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

BEARING WALL LINES

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