

BOISE COUNTY RESIDENTIAL BUILDERS HANDBOOK

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NOTICE: Information contained within this booklet is meant to comply with the 2018 ICC International Residential Code requirements.

Appropriate section numbers are provided for reference. This booklet is to be used as an aid for Builders only, and does not supersede any applicable Codes or Local Authority.

Requirements for Jurisdictions across the county:

This booklet is to be used as an aid for the structural and life safety portions in the building of one and two story family residential dwellings only. It does not cover commercial applications. Other methods and local standard practices will continue to be accepted, but you should discuss them with the Planning & Zoning Department first. For more information please contact Boise County Planning & Zoning Office at (208) 392-2293.

REQUIRED FROST*	WIND SPEED**
36"	90 MPH
	36" 36" 36" 36" 36" 36" 36" 36" 36" 36"

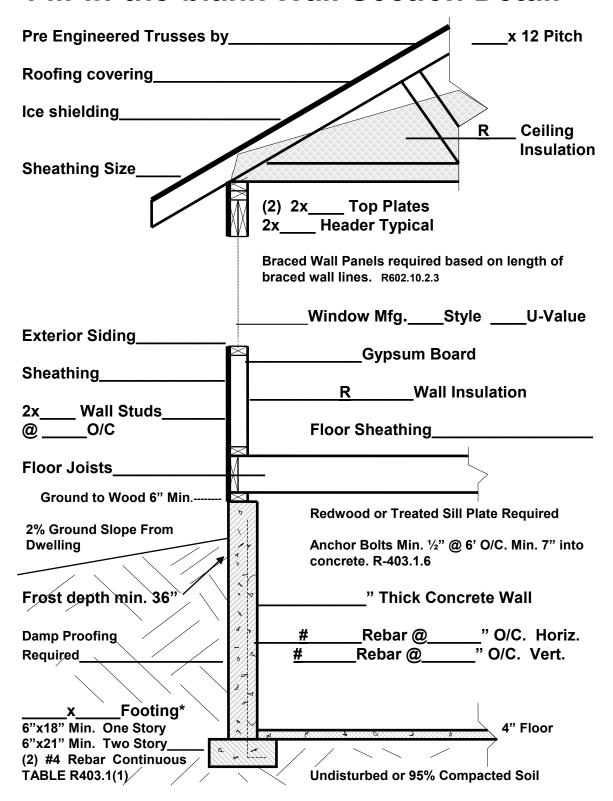
Roofing:

- 1. Roof coverings: *Ice shielding* is required across Boise county per building code.
- 2. Roof structure: Roofs are required to meet ground snow loads across Boise county. See the Boise county snow load map for the snow load in your area.

^{*} Frost depth below finish ground level in inches

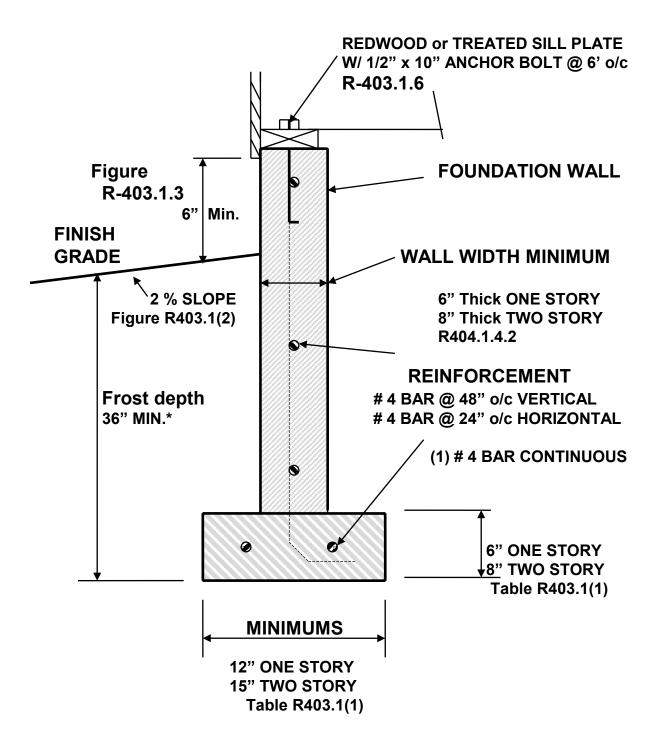
^{**}Basic Wind Speeds Figure R301.2(5)A

Fill-in-the-blank Wall Section Detail



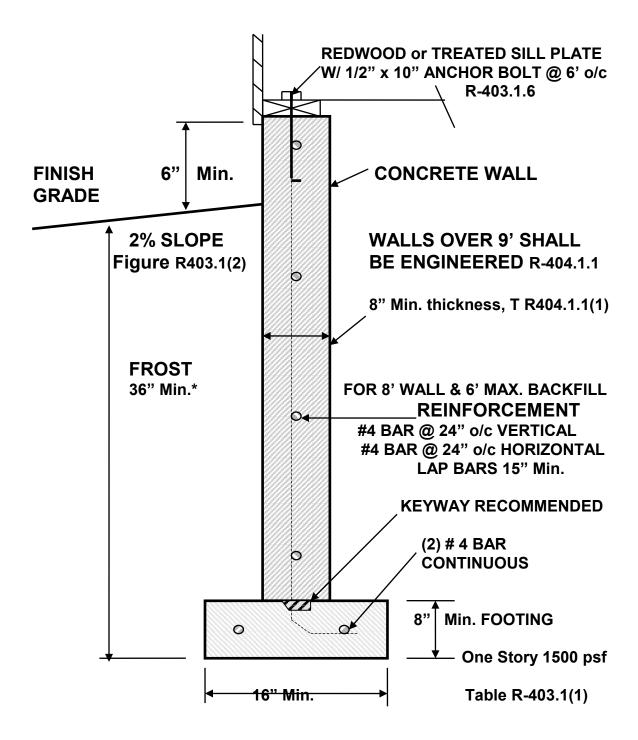
^{*} REFER TO PAGE #1 FOR REQUIRED FROST DEPTH

LESS THAN 4' FOUNDATION



* REFER TO PAGE #1 FOR REQUIRED FROST DEPTH

HIGHER THAN 4' FOUNDATION

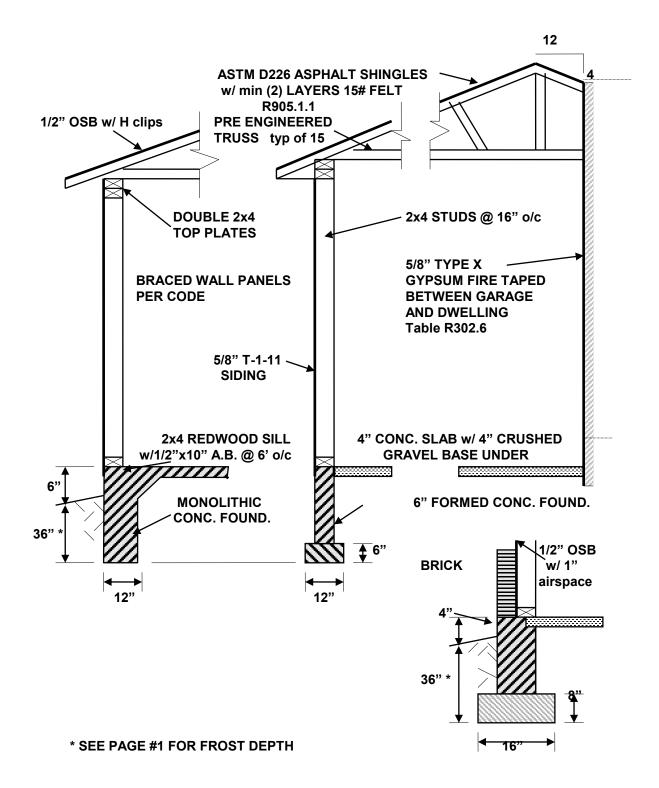


NOTE: Unless otherwise approved by the Building Inspector, foundation walls enclosing a basement below finished grade, shall be dampproofed and waterproofed outside by approved methods and materials. **R-406**

FOUNDATION BOLT AND REBAR PROTECTION REQUIREMENTS

CLEARANCE TOREBAR R403.1.3.5.3 1 - 1/2" Min. #5 and smaller when exposed 3/4" Min. # 11 and smaller when to weather or ground not exposed to weather or in contact with ground CAST-IN PLACE **FORMED NOTE: FOR MASONRY** AGAINST EARTH WALL or REINFORCEMENT SEE **FOOTING** CODE BOOK. TRENCHED' TITTI **FOOTING** 3" Min. <u>₹</u> #5 or < 3" Min |↔ **←►** 1 - 1/2" Min. WITHIN 12 INCHES OF EACH END OF BOARD 2"X2"X3/16" PLATE WASHERS SHALL BE USED IN SEISMIC **ZONES D1 & HIGHER** 6' o/c Max **SEE PAGE 2 FOR ZONES** REDWOOD or TREATED SILL PLATE MINIMUM OF TWO (2) 1/2" ANCHOR BOLTS PER PLATE + @ 6' o/c 7" Min. EMBEDMENT **IN CONCRETE w/ WASHERS** R403.1.6 **UNDERFLOOR ACCESS** 18"x 24" Min. R408.4 FOUNDATION BOLT REQUIREMENTS R-403.1

TYPICAL GARAGE WALL & CARPORT SECTION DETAIL



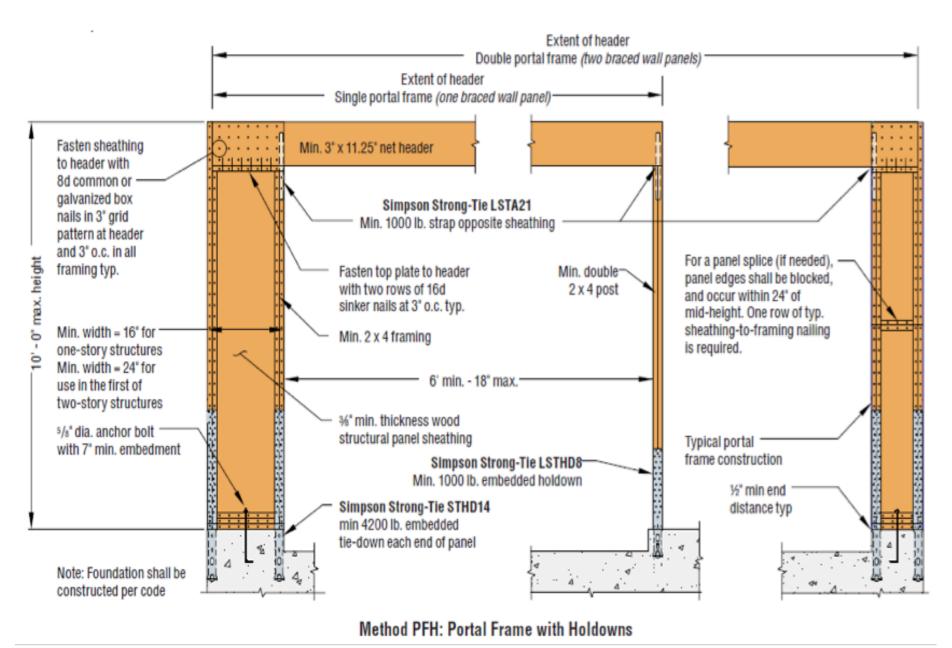
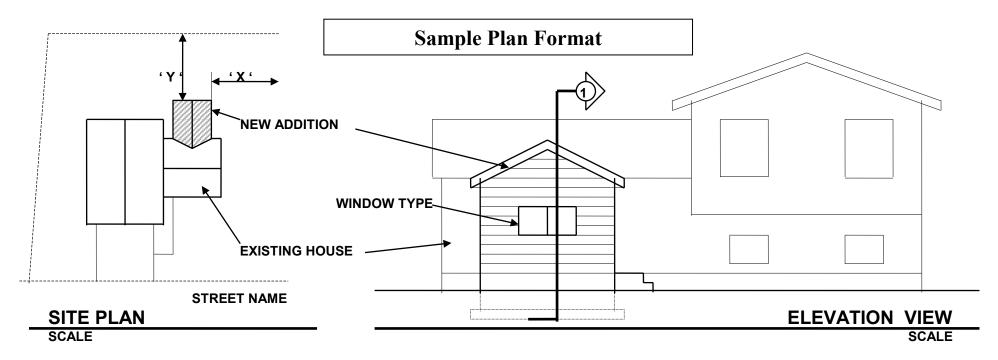
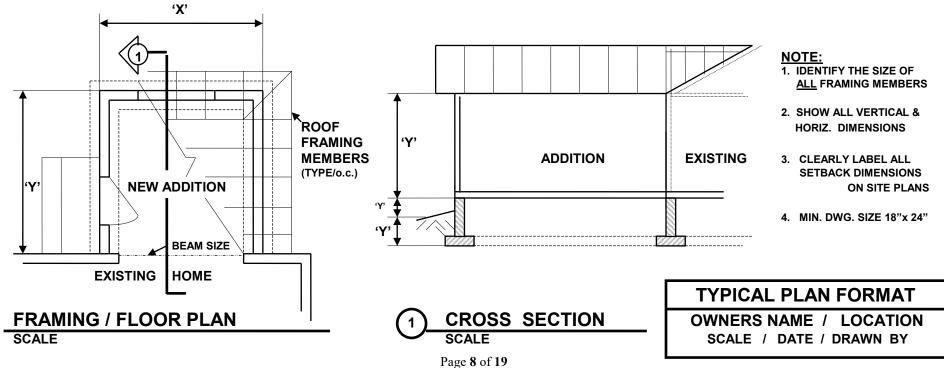


Figure R602.10.6.2





TYPICAL WALL, FLOOR AND ROOF FRAMING DETAIL

THIS FIGURE IS FOR ILLUSTRATION PURPOSES ONLY AND THE WRITTEN TEXT SHALLAPPLY. FOR DIMENSIONAL WOOD ONLY.

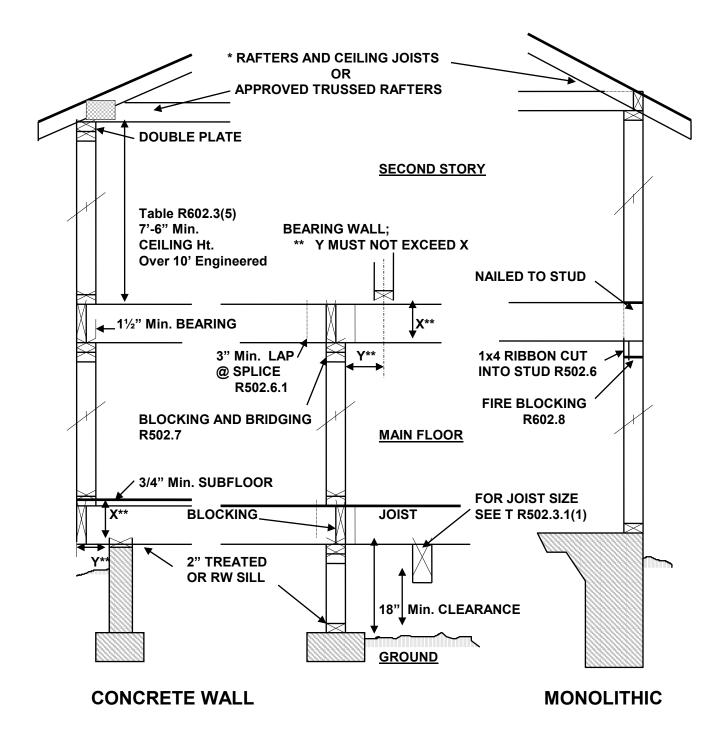
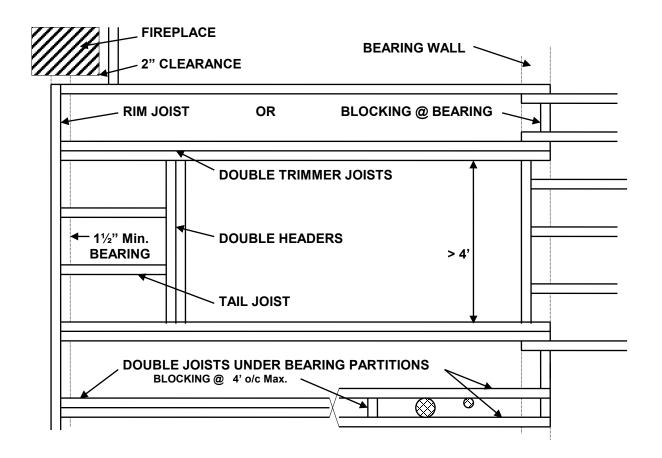


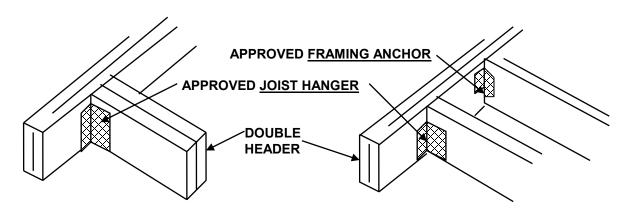
Figure R602.3(1)

FRAMING AROUND OPENINGS

R502.10 (FLOOR) R802.9 (CEILING)



DOUBLE TRIMMERS & HEADERS WHEN SPAN EXCEEDS 4 FEET

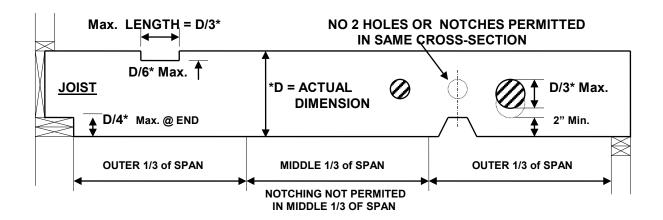


HEADERS OVER 6 FEET

TAIL JOISTS EXCEEDING 12 FEET

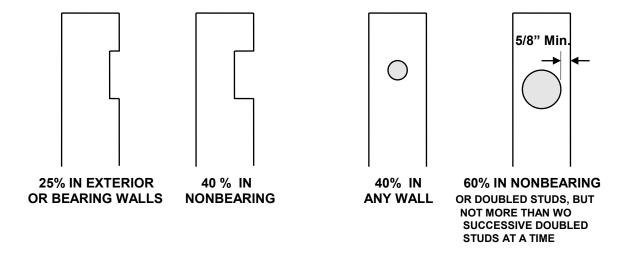
ILLUSTRATIONS FOR DIMENSIONAL WOOD ONLY.

GUIDE FOR CUTTING, NOTCHING & BORING OF DIMENSIONAL WOOD JOISTS



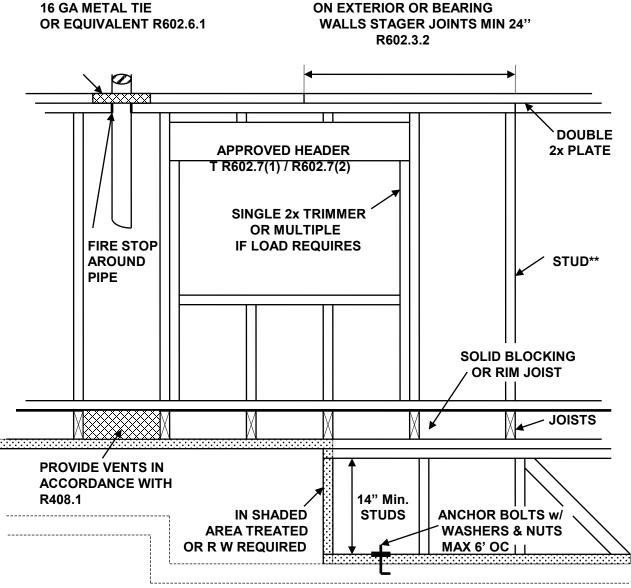
JOIST SIZE	MAX. HOLE	MAX. NOTCH DEPTH	MAX. END NOTCH
2x4	NONE	NONE	NONE
2x6	1- 1/2"	7/8"	1- 3/8"
2x8	2- 3/8"	1- 1/4"	1- 7/8"
2x10	3"	1- 1/2"	2- 3/8"
2x12	3- 3/4"	1- 7/8"	2- 7/8"

GUIDE FOR NOTCHING AND BORING OF DIMENSIONAL WOOD STUDS



TYPICAL WALL FRAMING DETAILS

Figure R602.3(2)

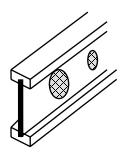


	** MAXIMUM STUD SPACING						
STUD SIZE	SUPPORTING: ROOF / CEILING	1 FLOOR + ROOF / CEILING	2 FLOORS + ROOF / CEILING	NONBEARING			
2x4	24"	16"	NOT ALLOWED	24" up to 14'			
2x6	24"	24"	16"	24" up to 20'			
	Maximum laterally unsupported stud height for bearing walls is 10' unless permitted by the Building Official, and justified by an analysis. See 602.3.1						
BRACI	BRACING SHALL MEET LOCAL SEISMIC AND WIND REQUIREMENTS. Table R602.10.1.3						

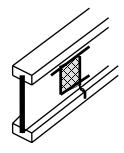
ENGINEERED I-JOIST WARNINGS

THESE CONDITIONS ARE <u>NOT</u> PERMITTED

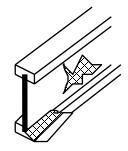
ALWAYS REFER TO MANUFACTURES INSTALLATION INSTRUCTIONS



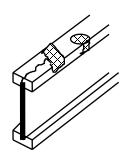
REFER TO HOLE CHART * FOR PERMITTED SIZING



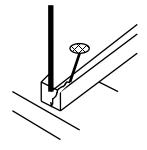
DO NOT OVERCUT HOLE OR CUT INTO FLANGE



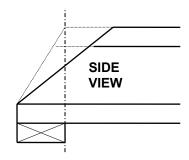
DON'T USE HAMMER TO ENLARGE HOLES OR BEAT ON FLANGE



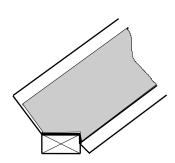
DO NOT DRILL OR DAMAGE FLANGE



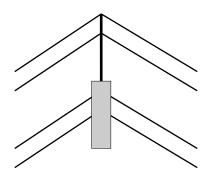
DO NOT USE 16d NAILS USE 8d, 10d & 12d NAILS ONLY STAY BACK 1-1/2" FROM END



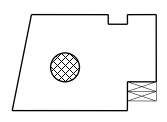
DO NOT CUT BEYOND INSIDE EDGE OF BEARING



DO NOT SUPPORT JOIST ON WEB

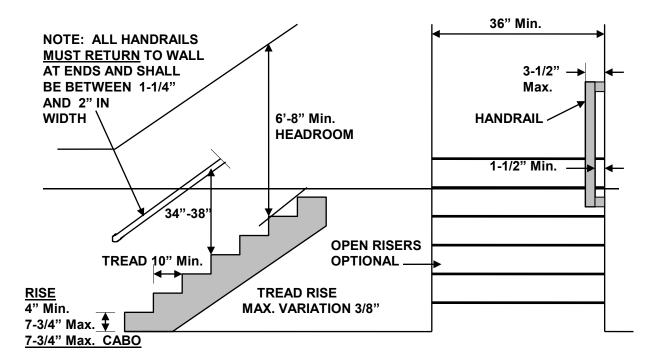


DO NOT BIRDSMOUTH OR USE UNSUPPORTED AS A TRUSS COMPONENT

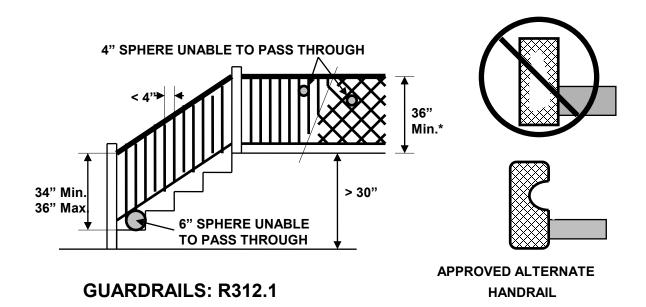


DO NOT NOTCH OR DRILL ANY LAMINATED BEAM

GUARDRAIL AND STAIRWAY REQUIREMENTS



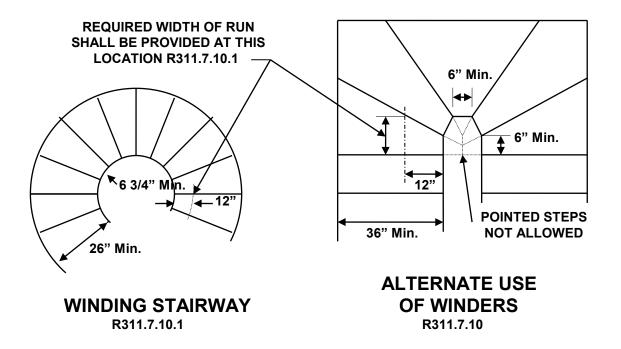
STAIRWAYS: R311.7



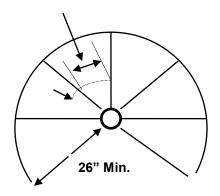
NOTE: The above sections require that open sides of stairs with a total rise of more than 30 inches above the floor or grade below must have a guardrail.

^{*} The minimum required guardrail height for porches or balconies is 36".

SPIRAL AND WINDING STAIRWAYS LESS THAN 10 OCCUPANTS



6-3/4" Min.

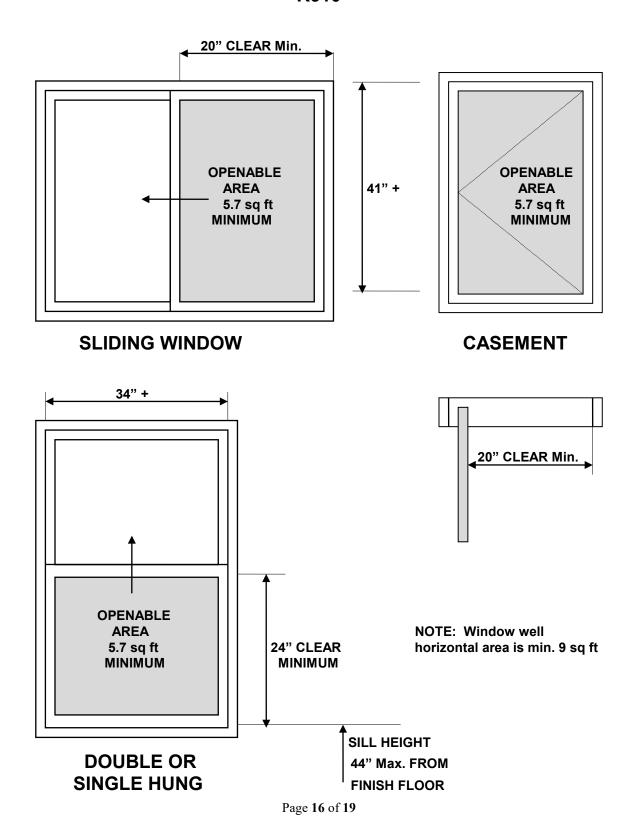


- 1. MINIMUM HEADROOM 6'6"
- 2. 9-1/2" Max. RISER
- 3. 24.5" Max. Walkline radius

SPIRAL STAIRWAY

EGRESS WINDOWS FOR BASEMENTS AND SLEEPING ROOMS

R310





FOR MORE INFORMATION CONTACT:

BOISE COUNTY
PLANNING & ZONING
DEPARTMENT
413 MAIN STREET
P.O. BOX 1300
IDAHO CITY, IDAHO 83631
PHONE (208) 392-2293
www.boisecounty.us