

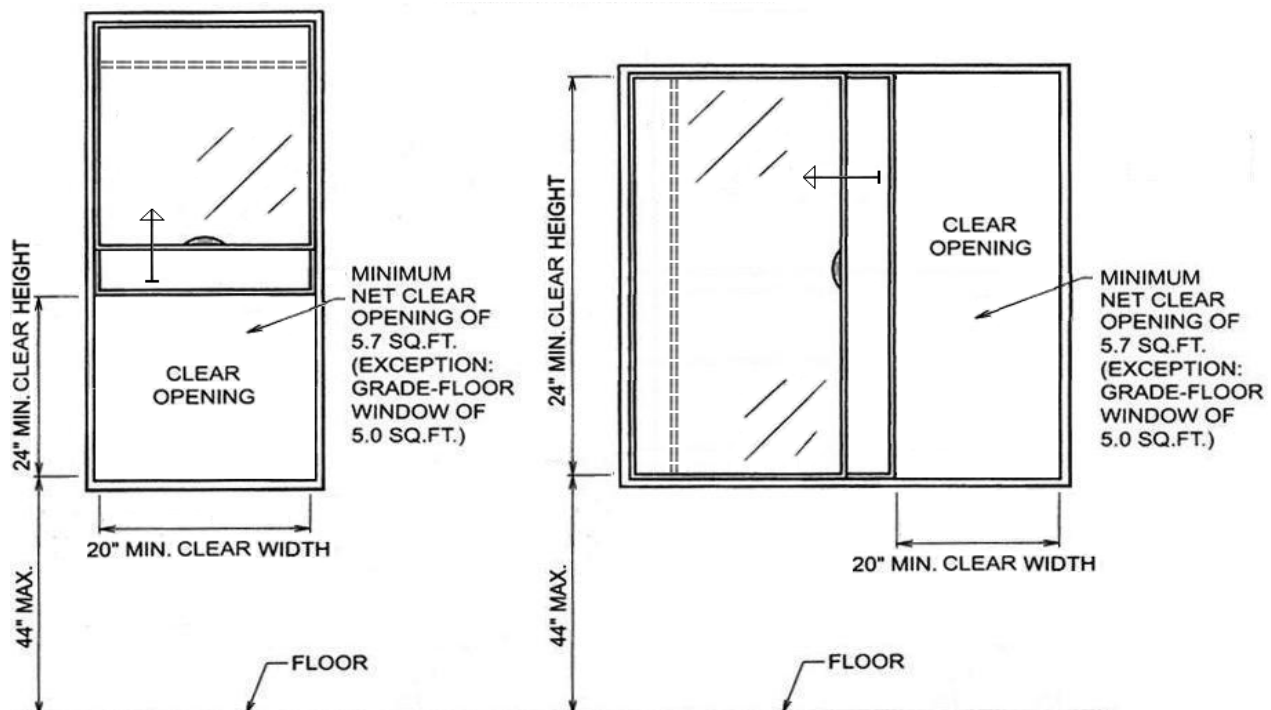


WINDOW REQUIREMENTS

EMERGENCY ESCAPE AND RESCUE OPENINGS

The purpose of this Information Bulletin (IB-010) is to assist designers and owners to understand the specific emergency escape and rescue opening provision of the 2022 Edition of the California Residential Code (CRC). The requirement for emergency escape and rescue openings to single family, & multi-family dwellings that are not more than three stories above grade plane in height is intended to address the spread of fire in rooms where occupants are typically asleep and unaware of the impeding fire and the normal exit channels may be blocked. This provision requires emergency escape and rescue openings (i.e., windows or doors) on the exterior of buildings where occupants may be sleeping during a potential fire buildup. The dimensional criteria and operational constraints of the openings are intended to permit fire service personnel, usually in full protective clothing and rescue equipment, to enter with minimal delay or obstruction, as well as permit all occupants within the building or facility to escape.

Pursuant to CRC §R310.1, basements, habitable attics, and every sleeping room shall have not less than one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way. See figure below for illustration.



Last Name: _____

Property Address: _____

CRITERIA AND CONSTRAINTS

Dimensional criteria and operational constraints for emergency escape and rescue openings are provided as follows:

Minimum opening area. Pursuant to CRC §R310.2.1, emergency and escape rescue openings shall have a net clear opening of not less than 5.7 square feet, except grade floor openings or below-grade openings shall be permitted to have a net clear opening area of not less than 5 square feet. The net clear opening dimensions shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. The net clear height of the opening shall be not less than 24 inches and the net clear width shall be not less than 20 inches.

Windowsill height. Pursuant to CRC §R310.2.2, where a window is provided as the emergency escape and rescue opening, it shall have the bottom of the clear opening not greater than 44 inches measured from the floor; where the sill height is below grade, it shall be provided with a window well in accordance with CRC §R310.2.3.

Operational constraints and opening control devices. Pursuant to CRC §R310.1.1, emergency escape and rescue openings shall be maintained free of any obstructions other than those allowed by this section and shall be operational from the inside of the room without the use of keys, tools, or special knowledge. Window opening control devices on windows serving as a required emergency escape and rescue opening shall comply with ASTM F2090.

Bars, grills, covers and screens. Pursuant to CRC §R310.4, where bars, grills, covers, screens or similar devices are placed over emergency escape and rescue openings, area wells, or window wells, the minimum net clear opening size shall comply with CRC §R310.2.1 through §R310.2.3, and such devices shall be releasable or removable from the inside without the use of a key, tool, special knowledge or force greater than that required for the normal operation of the escape and rescue opening. The release mechanism shall be always maintained operable.

Tables with minimum clear width and height dimensions for emergency escape window. The following tables below are intended to assist designers and owners meet the minimum clear height and clear width dimensions necessary to achieve the required 5.7 square feet opening per Table 1 or 5.0 square feet opening per Table 2.

Table 1 (5.7 sq. ft.)

Min. Width	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0
Min. Height	41.1	40.1	39.1	38.2	37.3	36.5	35.7	35.0	34.2	33.5	32.9	32.2	31.6	31.0	30.4
Min. Width	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.2
Min. Height	29.9	29.4	28.8	28.3	27.9	27.4	27.0	26.5	26.1	25.7	25.3	24.9	24.5	24.2	24.0

Table 2 (5.0 sq. ft.)

Min. Width	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0
Min. Height	36.0	35.2	34.3	33.5	32.8	32.0	31.4	30.7	30.0	29.4	28.8	28.3	27.7	27.2	26.7
Min. Width	27.5	28.0	28.5	29.0	29.5	30.0	FOOTNOTE: Dimensions are in inches.								
Min. Height	26.2	25.8	25.3	24.9	24.5	24.0	FOOTNOTE: Dimensions are in inches.								

ENERGY EFFICIENCY STANDARDS (PRESCRIPTIVE) CLIMATE ZONE 6

 Maximum U-FACTOR: **0.30**

 Maximum SHGC (Solar Heat Gain Coefficient): **0.23**



**CITY OF
HERMOSA BEACH**

Community Development
Building & Safety Division

Phone: 310-318-0235
Hours: Mon. – Thur. 7am-6pm
CommunityDevelopment@hermosabeach.gov

BUILDING PERMIT APPLICATION

STAFF USE ONLY

Plan Check/Permit #

PROPERTY & JOB INFORMATION

Job Address: _____, Hermosa Beach, CA

Description of the work being performed:

Assessor's Parcel Number:

Number of Stories: _____ Number of Units: _____

Valuation of job (including labor and material): \$ _____

PROPERTY OWNER

Full Name _____ Phone #: _____

Email: _____

Address: _____

APPLICANT – THIS IS THE PRIMARY POINT OF CONTACT

Full Name _____ Phone #: _____

Email Address (this will be the primary means of contact): _____

Mailing Address: _____

CONTRACTOR

Full Name _____ Phone #: _____

Email: _____ CSL License #: _____

Address: _____

City Business License #: _____ CSLB Class Type: _____

DESIGN PROFESSIONAL – ENGINEER/ARCHITECT

Full Name _____ Phone #: _____

Email: _____ License #: _____

Address: _____

SQUARE FOOTAGE

EXISTING SQ. FOOTAGE NEW SQ. FOOTAGE

Habitable Habitable

Garage Garage

Deck Deck

ADU ADU

PLEASE CONTINUE ON PAGE 2

Last Name: _____

Property Address: _____

GRADING PERMIT ONLY:		
Grading	Cubic Yard Cut:	Cubic Yard Fill:

RE ROOF ONLY:						
Roof Pitch:	Squares (1 square = 100 sq. ft.)				# of Existing Layers:	
EXISTING	Asphalt	Wood	Metal	Cement/Tile	Membrane	Other
PROPOSED	Asphalt	Wood	Metal	Cement/Tile	Membrane	Other
Solar: Does the existing roof have solar panels installed?						

APPLICANT AFFIDAVIT

(I/We) am/are aware that the following requirements may apply to this permit application:

- (1)** If located within the Coastal Zone, the applicant may need to acquire a Coastal Development Permit, or Exemption. The approval must be provided to the City (by the applicant), prior to the permit being issued.
- (2)** Depending on the scope of work, Hermosa Beach may require geotechnical reports, and Recording of Documents may be required prior to closing any associated permits.
- (3)** Additional reviews and submittals may be required for LA County Fire, Public Works, Waste Reduction Plan, & Standard Urban Storm Water Mitigation Plan.
- (4)** All permits may require that the following be provided: Pedestrian & Adjacent Property Protection, Best Management Practices, Air Quality Requirements, Hazardous Materials Requirements, and Waste Reduction Requirements
- (5)** I am aware that if this project includes the installation or replacement of roof coverings that the roofing material being installed under this permit application meets a minimum Class A fire retardant rating, unless the roof covering is less than 50% of the existing roof area of the entire structure.
- (6) The applicant will be the sole and primary point of contact for this application. The listed applicant is the primary contact for all communications with City Staff. The applicant will be responsible for communicating status updates to all parties involved with this application.**

(I/We) the undersigned declare, under penalty of perjury under the laws of the State of California, that (I am/we are) the owner(s) or authorized representative(s) of the property in this application; that the information on all plans, drawings, and sketches attached hereto and all the statements and answers contained herein are, in all respects, true and correct.

Signature

Date:

Printed Name:



**CITY OF
HERMOSA BEACH**

Community Development
Building & Safety Division

Phone: 310-318-0235
Hours: Mon. – Thur. 7am-6pm
CommunityDevelopment@hermosabeach.gov

SITE/PLOT PLAN

PROPERTY & APPLICANT INFORMATION

Job Address: _____, Hermosa Beach, CA

Job Description: _____

Applicant Name: _____

SITE/PLOT PLAN