



CITY OF LODI  
COMMUNITY DEVELOPMENT DEPARTMENT  
221 WEST PINE STREET  
LODI, CA 95240  
(209) 333-6714 FAX (209) 333-6842

Window Replacement

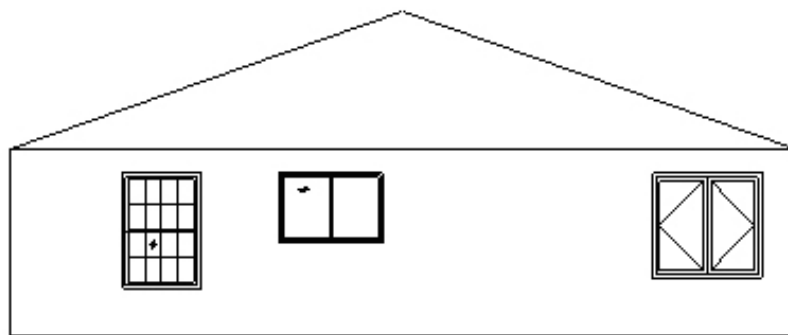
- Permits are required for all residential window replacements. Natural light and egress requirements must be met.
- Permit type is "RESADDRP" (Building Inspection Division use only).
- Fee is based on contract valuation. Contract valuation includes value of ALL proposed work (i.e. stucco, structural repairs, etc.)
- Window U-factor (measure of rate of non-solar heat entering building) must be .30 or less. Proof of U-factor sticker is required – do not remove from window prior to inspection approval.
- **Solar Heat Gain Coefficient**, aka: "**SHGC**" (the percentage of solar heat entering the building) must be .23 or less. Proof of SHGC sticker is required– do not remove from window prior to inspection approval.
- If there is a pool or spa within five (5) feet of the window, the window must be safety glazed.
- Applicant must submit 2 copies of the CF-1R-ALT form and two (2) floor plans with the following information:
  1. Emergency egress (see page 4 for requirements)
  2. Current size and location of windows
  3. Proposed size and location of windows
  4. Location of smoke detectors and carbon monoxide alarms (see below for requirements)

*CRC Section R314.8 & R315: Additions, alterations or repairs to Group R Occupancies. When the valuation of an addition, alteration or repair to a Group R Occupancy exceeds \$1,000 and a permit is required, smoke detectors & carbon monoxide alarms shall be installed in accordance with Section R314.3 and R315.2.*

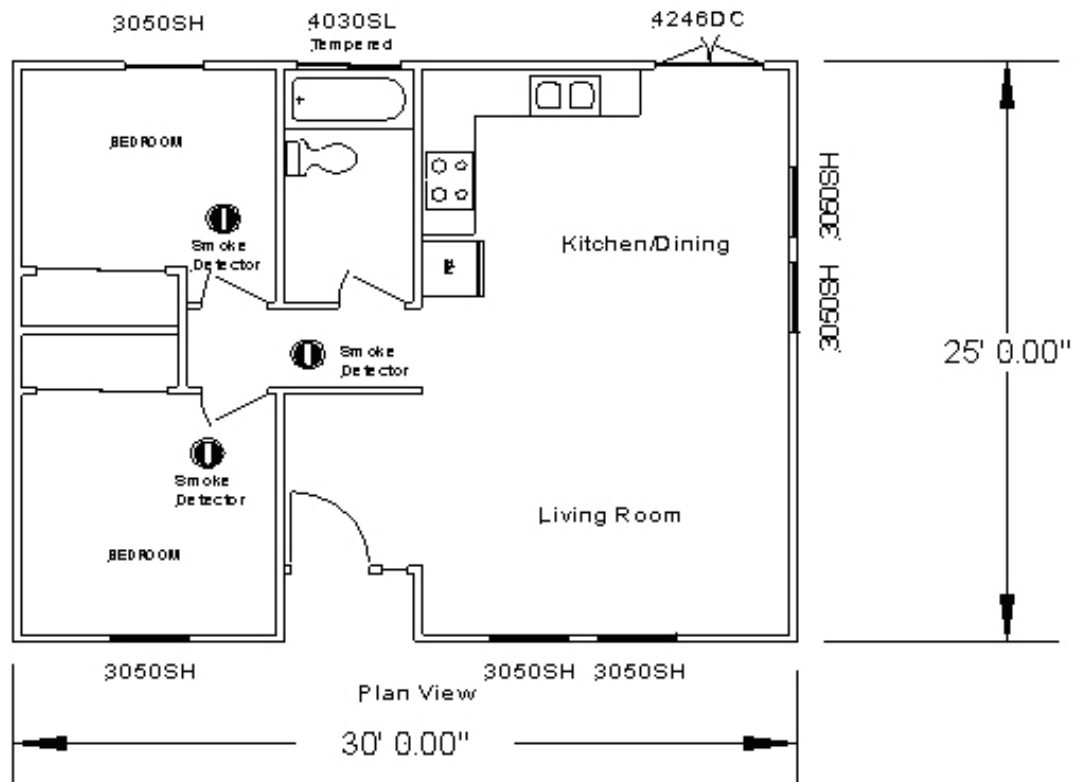
*CRC Section R314.3 Smoke detectors when required by Section 314.8 shall be installed in the following locations: 1) In each sleeping room, 2) Outside each separate sleeping area in the immediate vicinity of the bedrooms and 3). When the dwelling unit has more than one story, on each story of the dwelling, including basements and habitable attics but not including crawl spaces and uninhabitable attics. In dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level. In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallway and in the adjacent room. Detectors shall sound an alarm audible in all sleeping areas of the dwelling unit in which they are located. 4) Smoke alarms shall be installed not less than 3 foot horizontally from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by Section R314.3*

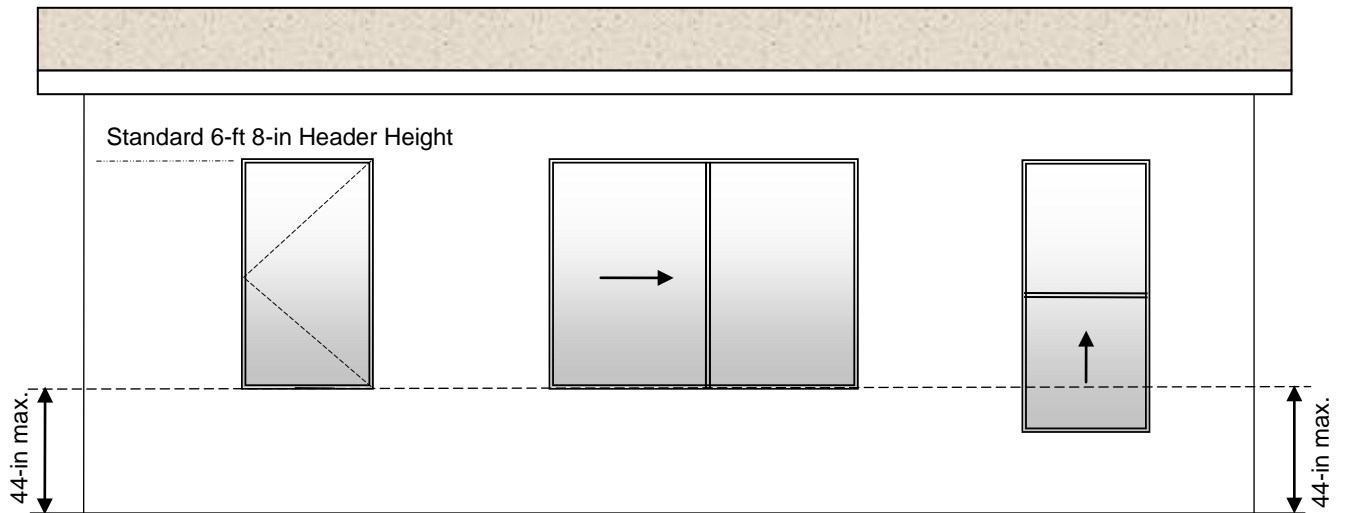
*CRC Section R315.3: Carbon monoxide alarms required by Section R315.2 shall be installed in the following locations: 1) Outside of each separate sleeping area in immediate vicinity of the bedroom(s) and 2) On every level of a dwelling unit including basements 3) Where a fuel-burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom*

Elevation View	Plan View	Type	Size	Label on Plans
		Single Hung	3'-0" wide by 5'-0" high	.3050SH
		Horizontal Slider	4'-0" wide by 3'-0" high	4030SL
		Double Casement	4'-2" wide by 4'-6" high	4246DC



Elevation View



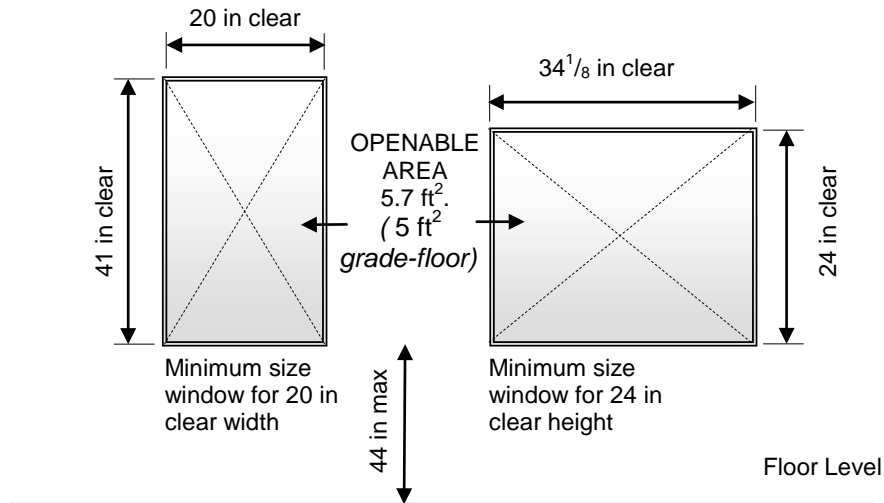


**SINGLE CASEMENT:**  
 2-4 x 4-0  
 2-6 x 3-6  
**DOUBLE CASEMENT:**  
 4-8 x 4-0  
**CASEMENT/FIXED COMBO:**  
 7-0 x 4-0

**SLIDER:**  
 4-0 x 4-0  
 5-0 x 3-6  
 6-0 x 3-0  
**SLIDER/FIXED COMBO:**  
 8-0 x 4-0  
 10-0 x 4-0  
 12-0 x 3-0

**SINGLE/DOUBLE HUNG:**  
 3-0 x 5-0  
 3-0 x 5-6  
 3-4 x 5-0  
 3-8 x 5-0  
 4-0 x 5-0

**EMERGENCY ESCAPE/EXIT WINDOWS – ELEVATION**



- 20 in min. clear width
- 24 in min. clear height
- 5.7 ft<sup>2</sup> min. openable area
- 5 ft<sup>2</sup> min openable area for grade-floor openings

## **Current 2019 CRC Emergency Egress Requirements**

Basements, habitable attics and sleeping rooms shall have at least one exterior emergency escape and rescue opening. Such openings shall 1) open directly into a public way, yard, or court that opens to a public way, 2) have a minimum net clear opening area of 5.7sqft [5 sqft for grade-floor level openings] with minimum net clear dimensions of 24" opening height and 20" opening width and 3) shall have the bottom of the clear opening no greater than 44" above the floor. 2019 CRC, Sections R310.

## **2019 CRC, Appendix Chapter J AJ102.4.3 Replacement Windows Emergency escape and rescue openings**

Where windows are required to provide emergency escape and rescue openings, replacement windows shall be exempt from the maximum bottom of clear opening height requirements and minimum dimensions requirements of Section R310, provided that the replacement window meets the following conditions.

1. The replacement window is the manufacturer's largest standard size window that will fit within existing frame or existing rough opening. The replacement window shall be permitted to be of the same operating style as the existing window or a style that provides for equal or greater window opening area than the existing window.
2. The replacement window is not part of a change of occupancy.
3. Window opening control devices complying with ASTM F2090 shall be permitted for use on windows required to provide emergency escape and rescue openings.

## **2019 CRC, Appendix Chapter J AJ102.4.4 Window control devices**

Where window fall prevention devices complying with ASTM F2090 are not provided. Window opening control devices complying with ASTM F2090 shall be installed where existing window is replaced and where all of the following apply to the replacement window

1. The window is operable.
2. The window replacement includes replacement of the sash and frame.
3. The top of the sill of the window opening is at a height less than 24 inches above the finished floor.
4. The window will permit openings that will allow passage of a 4 inch diameter sphere where the window is in its largest opened position
5. The vertical distance from the top of the sill of the window opening to the finished grade or other surface below, on the exterior of the building, is greater than 72 inches.

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.

### **Installing Windows without a Permit**

The City of Lodi's violation fee for commencing work before obtaining a permit is 9 times the building permit fee, not to exceed \$1,000.00.