



**CITY OF GLENDALE
BUILDING AND SAFETY
633 EAST BROADWAY ROOM 101 (818) 548-3200**

**SUPPLEMENTAL CORRECTION SHEET
SECURITY STANDARDS – RESIDENTIAL**

1. The following buildings shall comply with the Security Provisions:
 - a. New residential buildings of all types.
 - b. Additions or alterations to residential buildings of all types.
 - c. Multiple family dwelling units converted to privately owned family units (condominiums or cooperatives).
2. Identify all security openings clearly on plans. The symbol * may be used, but any system which clearly defines security openings will be acceptable.
 - a. Security Openings are defined as:
 - b. All exterior doors of residential buildings.
 - c. The door leading from garage into attached dwelling units.
 - d. Entrance doors to individual apartments or condominiums from a public area.
 - e. Any glazed opening within 40" of any door locking mechanism in the closed mechanism.
 - f. Louvered windows within 12' vertically or 6' horizontally of an accessible surface or any adjoining roof, balcony, landing, stair tread, platform, or similar structure.
 - g. Openings or windows into public parking areas.
 - h. All openable windows. See Item 4 below.
3. Provide details and specifications for all swinging doors in security openings.
 - a. Specify thickness, type, and materials as applicable for wood, metal, and glass doors.
 - b. Specify deadbolts with hardened inserts; dead-locking latch key-operated locks on exterior; locks openable without key, special knowledge or special effort on interior; and type, throw, and embedment of deadbolts for single swing doors, active leaf of dutch door.
 - c. Show means of securing inactive leaf of double door and upper leaf of dutch door.
4. Architect shall specify sliding glass doors and openable security windows on plans by trade name. Architect shall provide plan checker with a copy of performance test report prepared by manufacturer or ICC number, indicating compliance with tests as required in the most recent edition of the California Building Code.
5. Show the method of securing metal or wood overhead or sliding doors.
6. For multiple family dwellings, show illuminated diagram on plans as specified in General Notes, item 12.2.3

Openings or windows referred to in item 2g above, shall be fully tempered glass or approved burglary resistant material, or shall be protected by metal bars, screens, or grilles. The protective bars or grilles shall not interfere with the operation of opening windows if such windows are required to be openable by this Code.

7. In addition to the details and specifications required by items 1 through 7 above, provide appropriate general notes and specifications to comply with Volume VII, Ordinance No. 5998. The following example notes may be used in part or in total as appropriate:

GENERAL NOTES:

All openings marked * are security openings and the following notes shall apply:

1. Each unit in a residential development shall be keyed differently than any other units under the same general plan. A certificate from the lock supplier declaring that all locks supplied to the project are keyed separately shall be acceptable as complying with the above requirements.
2. Door jambs shall have a solid backing with no voids exist between the strike side of the jamb and the frame opening for a vertical distance of six (6) inches (153mm) each side of the strike.
3. In wood framing, horizontal blocking shall be placed between studs at door lock height for three (3) stud spaces each side of the door openings. Jambs shall have solid backing against sole plates.
4. Iron or steel screens shall be 1/8" thick with 2" mesh securely fastened.
5. Iron bars shall be 1/2" diameter bars or 1" x 1/4" flat steel spaced at 5" max. securely fastened.
6. Cylinder guards shall be attached with 1/2" connecting screws, and shall be installed whenever the cylinder projects beyond the face of the door, or is otherwise accessible to gripping tools.
7. Door stops for in-swinging doors shall be integrated (rabetted) with the jamb. Jambs for all doors shall be constructed or protected so as to prevent violation of the strike.
8. The strike plate for deadbolts on all wood frame doors shall be constructed of at least sixteen (16) U.S. gauge steel, bronze, or brass and secured to the jamb by a minimum of two screws.
9. Hinges for out-swinging doors shall be equipped with non-removable hinge pins or a mechanical interlock to preclude removal of the door from the exterior by removing the hinge pins.
10. Louvered windows shall not be used when any portion of the window is less than 12 feet (3658mm) vertically or 6 feet (1829mm) horizontally from an accessible surface or any adjoining roof, balcony, landing, stair tread, platform, or similar structure.
11. **Garage Door Types:** Rolling overhead, solid overhead, swing or sliding accordion garage-type doors shall conform to the following standards:
 - 11.1. Wood doors shall have panels a minimum of five-sixteenths (5/16) inch (8mm) in thickness with the locking hardware being attached to the support framing.
 - 11.2. Aluminum doors shall be a minimum thickness of .0215 inches (.546mm) and riveted together a minimum of eighteen (18) inches (458mm) on center along the outside seams.

There shall be a full width horizontal beam attached to the main door structure which shall meet the pilot, or pedestrian access, door framing within three (3) inches (76mm) of the strike area of the pilot or pedestrian access door.

- 11.3. Fiberglass doors shall have panels a minimum density of six (6) ounces per square foot (1831 gram/m²) from the bottom of the door to a height of seven (7) feet (2134mm). Panels above seven (7) feet (2134mm) and panels in residential structures shall have a density not less than five (5) ounces per square foot (1526 grams/m²).
 - 11.4. Doors utilizing a cylinder lock shall have not less than a five (5) pin tumbler operation with the locking bar or bolt extending into the receiving guide a minimum of one (1) inch (25.4mm).
 - 11.5. Doors exceeding sixteen (16) feet (4877mm) in width shall have two lock receiving points or, if the door does not exceed nineteen (19) feet (5791mm), a single bolt may be used if placed in the center of the door with the locking point located either at the floor or door frame header; or, torsion spring counter balance type hardware may be used.
 - 11.6. Doors with slide bolt assemblies shall have frames a minimum of .120 inches (3mm) in thickness, with a minimum bolt diameter of one-half (½) inch (13mm) and protrude at least one and one-half (1½) inches (38mm) into the receiving guide. A bolt diameter of three-eighths (¾) inch (10mm) may be used in a residential building. The slide bolt shall be attached to the door with non-removable bolts from the outside. Rivets shall not be used to attach slide bolt assemblies.
12. **Swinging Exterior Doors:** All exterior swinging doors of any residential building and attached garages (Except for vehicular access doors), including the door leading from the garage area into the dwelling unit shall be equipped as follows:
- 12.1. All wood doors shall be of solid core construction with a minimum thickness of one and three-fourths (1 ¾) inches (45mm), or with panels not less than nine-sixteenths (9/16) inch (15mm) thick.
 - 12.2. A single or double door shall be equipped with a single cylinder deadbolt lock with a minimum projection of one (1) inch (25.4mm) and be constructed so as to repel cutting tool attack. The deadbolt shall have an embedment of at least three-fourths (¾) inch (19mm) into the strike receiving the projected bolt. The cylinder shall have a cylinder guard, a minimum of five pin tumblers, and shall be connected to the inner portion of the lock by connecting screws of at least one fourth (¼) inch (6.3mm) in diameter. All installation shall be done so that the performance of the locking device will meet the intended anti-burglary requirements. A dual locking mechanism constructed so that both deadbolt and latch can be retracted by a single action of the inside door knob, or lever, may be substituted provided it meets all other specifications for locking devices.
 - 12.3. The inactive leaf of double doors shall be equipped with metal flush bolts having a minimum embedment of five-eighths (5/8) inch (16mm) into the head and threshold or the door frame.
 - 12.4. Glazing: Glazing in exterior doors or within forty (40) inches (1016mm) of any locking mechanism shall be of fully tempered glass or rated burglary resistant glazing.
 - 12.5. Wide Angle Viewer: Except where clear vision panels are installed, all front exterior doors shall be equipped with a wide angle (180°) door viewer.

- 12.6. Hollow steel doors shall be a minimum sixteen (16) gauge thick with extra reinforcing around the lock to prevent collapsing.
 - 12.7. Aluminum doors shall be constructed per Vol. VII, Section 15.3 of Security Ordinance No. 5581, and shall be equipped with a double cylinder deadbolt with a 1" min. bolt projection or hook shaped or expanding dog bolt to prevent spreading. The deadbolt lock shall have a minimum of five (5) pin tumblers and a cylinder guard.
13. **Address Number and Identifying Data:** Address numbers and other identifying data shall be displayed as follows:
- 13.1. All residential dwellings shall display an address number in a prominent location on the street side of the residence in such a position that the number is easily visible to approaching emergency vehicles. The numerals shall be no less than four (4) inches (102mm) in height and shall be of a contrasting color to the background to which they are attached. In addition, any residence with rear vehicular access through any driveway, alleyway or parking lot shall also display the same numbers on the rear of the building.
 - 13.2. Multiple Family Dwelling; Illuminated Diagrams and Identification Numbers: There shall be positioned at each entrance of a multiple family dwelling complex an illuminated diagrammatic representation of the complex which shows the location of:
 - 13.2.1. The viewer;
 - 13.2.2. The unit designations within the complex.
 - 13.2.3. Each unit that is a "smoking unit and a "non smoking" unit (as governed by Chapter 8.52 of the Glendale Municipal Code, 1995, or any successor legislation);
 - 13.2.4. A smoking permitted area authorized under Section 8.52.130 of the GMC; and
 - 13.2.5. The complex's exits, stairwells, elevators, fire alarm annunciator panels, and standpipes.
- In addition, each individual unit within the complex shall display a prominent identification number, not less than four (4) inches (102mm) in height, which is easily visible to approaching vehicular and/or pedestrian traffic. In addition, any multiple family dwelling with rear vehicular access shall also display the same numbers on the rear of the building.
14. **Lighting; Multiple Family Dwelling.** Lighting in multiple family dwellings shall be as follows:
- 14.1. Aisles, Passageways and Recesses: Aisles, passageways and recesses related to and within the building complex shall be illuminated with an intensity of at least twenty-five hundredths (.25) of a footcandle (2.7 lux) at the ground level during the hours of darkness. Lighting devices shall be protected by weather and vandalism-resistant covers.
 - 14.2. Parking Structures, Parking Lots and Carports: Parking structures, parking lots and carports shall be provided with a minimum of two (2) footcandles (21.5 lux) of light on the parking surface during the hours of darkness. Lighting devices shall be protected by weather and vandalism-resistant covers.
15. **Note:** These notes are intended as a guide only. Contractor and supplier shall refer to the Glendale Building & Safety Code, Volume VII for more complete and specific details.