



**BUILDING CODE MANUAL
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION
Based on the 2011 LACBC**

**#120
713
Article 1
12-20-11
Page 1 of 3**

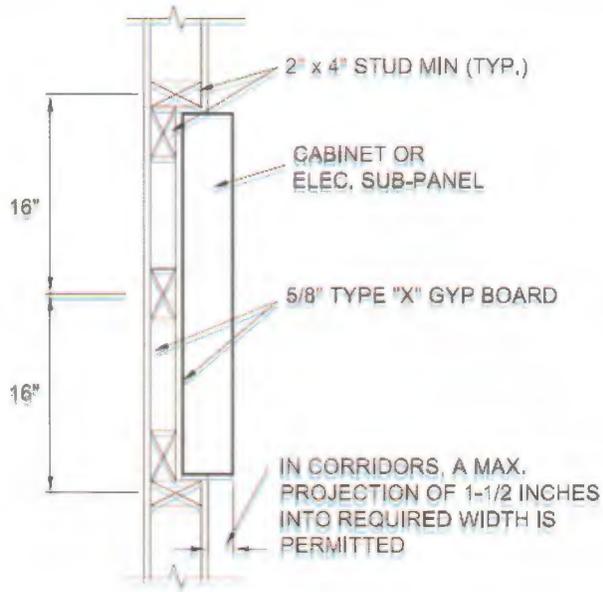
CABINETS IN ONE-HOUR FIRE-RESISTANCE-RATED WALLS

Fire-resistance rated walls or partitions are allowed to have penetrations or openings in accordance with Section 713 or 715, respectively.

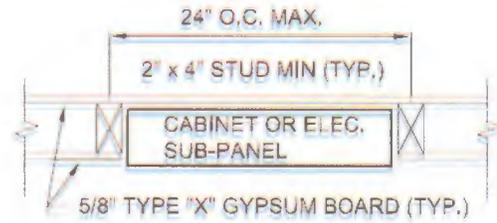
While Section 713.3.2 states in part “Where walls or partitions are required to have a *fire-resistance rating*, recessed fixtures shall be installed such that the required fire-resistance will not be reduced,” there are exceptions. Like doors (Section 715.4) and windows (Section 715.5), other openings or penetrations, such as, recessed fixtures (Section 713.3.2) are allowed not to meet the same minimum fire-resistance rating as the wall or partition.

When the recessed fixture cannot comply with the requirements of the exceptions noted in Section 713.3.2, then the following penetrations, such as, electrical sub-panel cabinets, fire-hose cabinets and similar cabinets shall comply with the intent of Section 713, provided the cabinet is installed in an one-hour fire-resistance rated wall assembly as illustrated below. In addition, the assembly shall comply with the following criteria:

1. The structural integrity of the wall shall be maintained.
2. The maximum height of the cabinet shall be 48 inches and the maximum width shall be as shown below.
3. The cabinet shall be constructed of metal.
4. The annular space between the wall membrane and the cabinet shall not exceed 1/8 inch.
5. Section 2308.9.2 prohibits flat stud installation in conventional construction. However, the general intent of the Code is not violated since the flat-studding will be for a short segment only and the studs will figure as columns or posts for normal story heights.
6. The one-hour fire-resistance rated wall assembly is not a shaft, exit enclosure or exit passageway wall.



TOP VIEW



TOP VIEW

Supersedes BCM 709 Article 2 dated 06-17-03

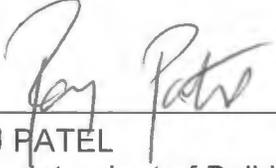
WRITTEN BY: CLINT LEE
Civil Engineer

REVIEWED BY: JUAN MADRIGAL
Senior Civil Engineer

RECOMMENDED BY:

APPROVED BY:


HASSAN ALAMEDDINE
Chief Engineer


RAJ PATEL
Superintendent of Building