

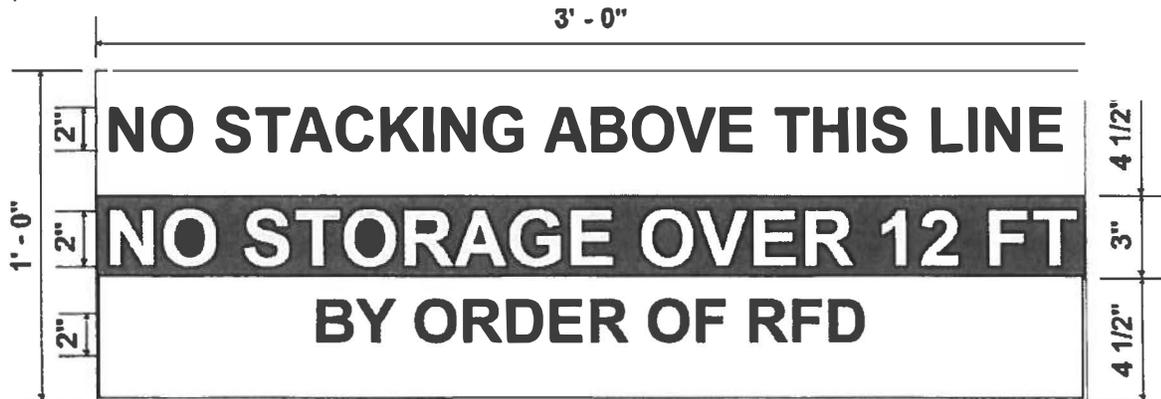


CITY OF RIVERSIDE FIRE DEPARTMENT FIRE PREVENTION DIVISION

HPS SIGNAGE

SIGNAGE CONSTRUCTION AND DESIGN REQUIREMENTS

All high pile storage facilities. All signage shall be a minimum of 1 foot by 3 feet and shall be constructed of durable materials such as metal or plastic. Signs constructed of paper, cardboard or similar materials are not acceptable. Each sign shall be provided with "NO STACKING ABOVE THIS LINE" and "BY ORDER OF THE RFD" wording in 2 inch black letters with at least a 1/2 inch stroke on a white background. Additionally, each sign shall be provided with a 3 inch wide red stripe the full width of the sign. Within this red stripe, the maximum height permitted and highest commodity classification (if applicable) shall be stated in 2 inch white letters with at least a 1/2 inch stroke. All graphics shall be printed on the sign, or otherwise permanently affixed to the sign. See Figure 10 for signage specifications.



(Minimum 1/2 inch stroke for all text)

FIGURE 10 - SIGNAGE SPECIFICATIONS

The layout or arrangement of the required signage features is flexible. See Figure 11 for examples of acceptable arrangements.

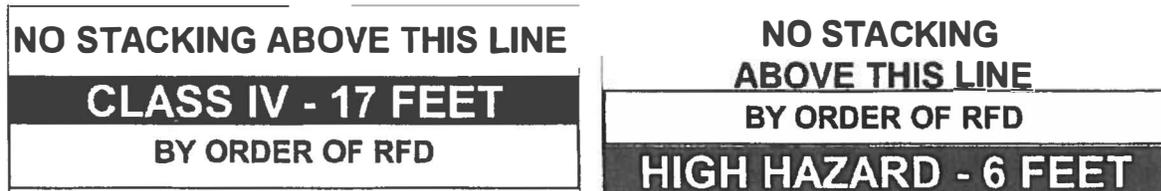
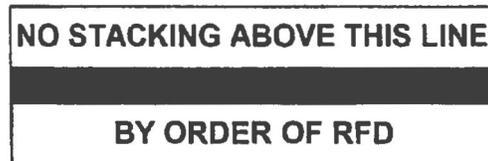


FIGURE 11 - OTHER ACCEPTABLE SIGNAGE ARRANGEMENTS

Facilities capable of, but not utilizing high pile storage. Signage used in areas capable of, but not practicing high piled storage shall be the same dimensions, color scheme and wording with one exception. The red stripe does not contain any wording and is left as a solid red stripe. This allows the signs to be used when the area is used for high pile storage by affixing the proper wording to the red stripe.



Signs shall also be constructed of durable materials such as metal or plastic. Signs constructed of paper, cardboard or similar materials are not acceptable. All graphics shall be printed on the sign, or otherwise permanently affixed to the sign. See Figure 12 for an acceptable example.

Striping. An acceptable alternative to signage is striping. The striping shall consist of a 3 inch solid red stripe running the entire perimeter of the area. The red stripe shall have 2 Inch white wording having at least an 1/2 inch stroke. Figure 13 depicts an illustration of the striping design; however, does not show the acceptable required wording.



FIGURE 12 - STRIPING DESIGN EXAMPLE

For areas with high pile storage, required wording shall state "NO STACKING ABOVE THIS LINE BY ORDER OF RFD". The greatest commodity classification and maximum storage height permitted shall also be provided. All wording shall be oriented as shown in Figure 14. Wording shall be spaced at 50-foot intervals as measured from end of wording to start of wording as depicted in Figure 15.

CLASS IV – 25 FEET – NO STACKING ABOVE THIS LINE BY ORDER OF RFD

FIGURE 13 - ACCEPTABLE ORIENTATION OF REQUIRED WORDING



FIGURE 14 - REQUIRED STRIPE WORDING AND SPACING EXAMPLE

For areas capable of, but not practicing high pile storage, the only acceptable form of stacking limit identification is the approved signage mentioned above. Striping is not permitted.

SIGNAGE AND STRIPING INSTALLATION REQUIREMENTS

All high pile combustible storage areas and those areas capable of, but not practicing high pile storage, are required to install applicable signage at the maximum permitted height of the storage. The signage is designed to provide a visual indicator that storage must not exceed a certain height. If storage exceeds permitted heights, a resulting fire could very easily and quickly overtake a sprinkler system (if present) because along with other variables, the sprinkler system is specifically designed for a given height of storage. Storage exceeding permitted heights in unsprinklered buildings presents a significant hazard for firefighters as the height of the storage affects the penetrability of fire hose streams. Therefore, it is extremely important for the designed storage height permitted within a storage area to remain at that height. Storage heights not in compliance may be the difference between a single pallet fire and a complete building loss.

All signage and striping must be installed to provide maximum visibility. The top of the red stripe, whether on signage or striping alone, shall be installed at the maximum storage height permitted as measured from the floor. See Figure 16.

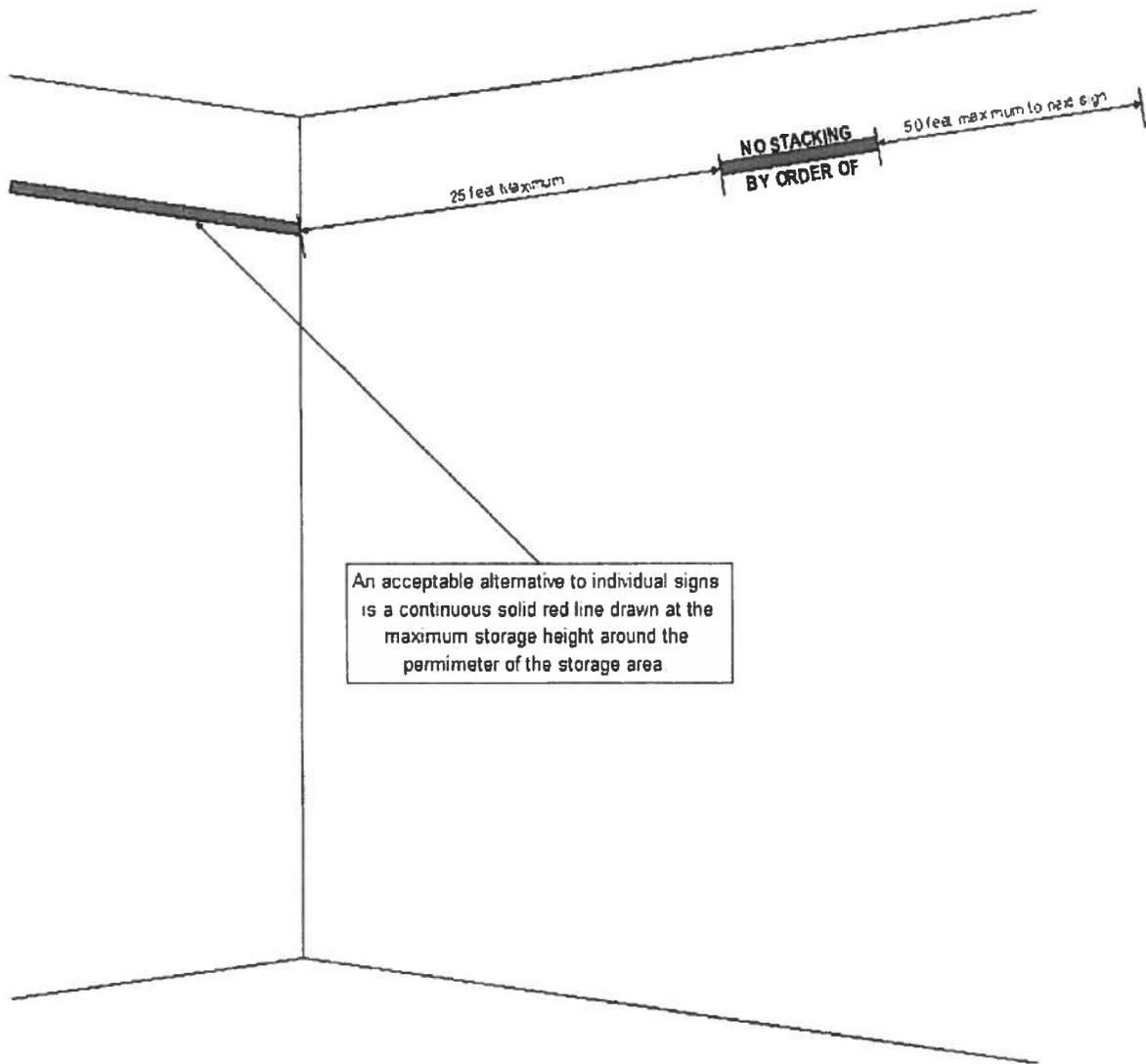


FIGURE 16 - ISOMETRIC CORNER EXAMPLE FOR MARKING INSTALLATION

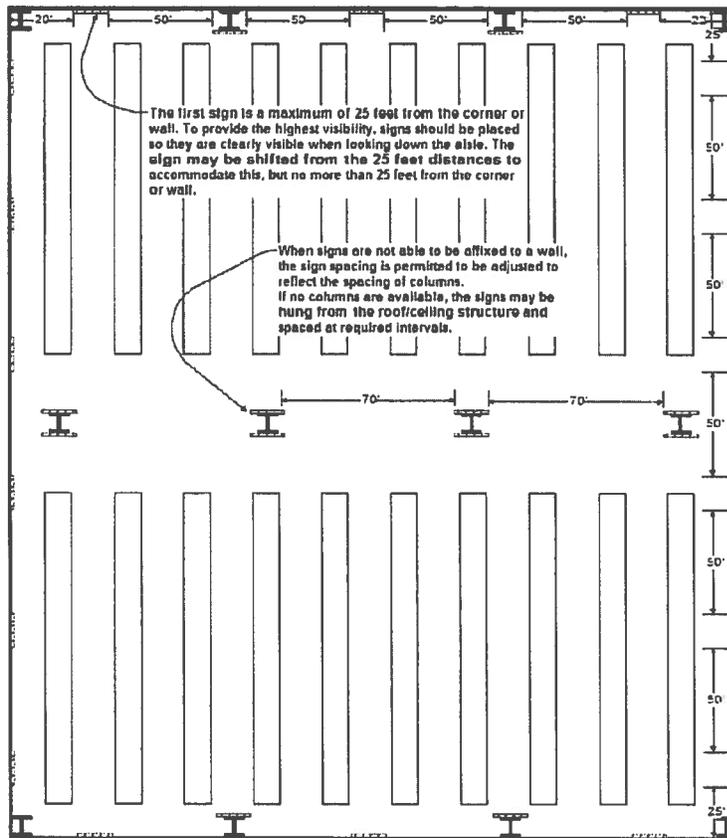


FIGURE 17 - SIGNAGE PLACEMENT AND SPACING EXAMPLE

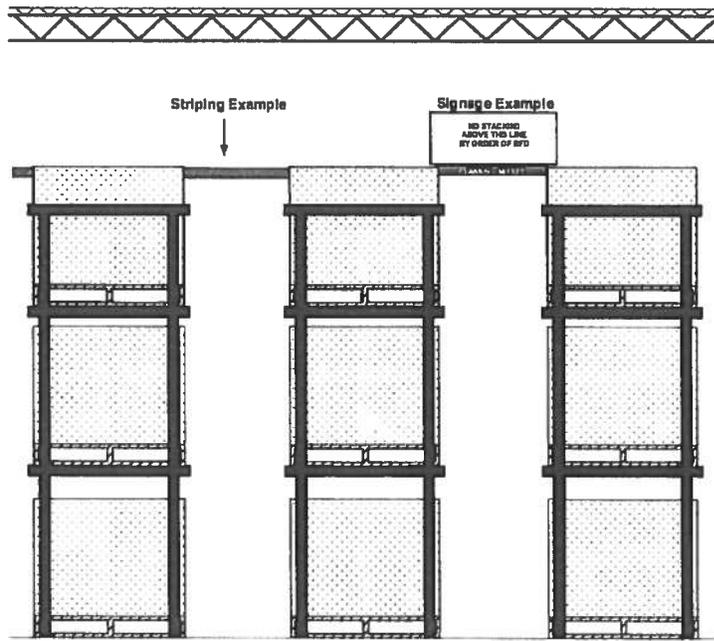


FIGURE 18 - END OF AISLE VIEW OF SIGNAGE AND STRIPING PLACEMENT EXAMPLE

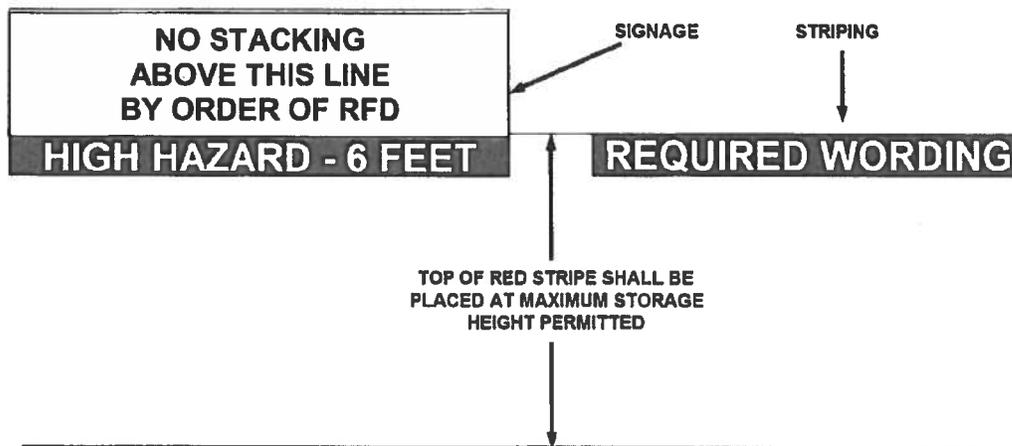


FIGURE 15 - SIGNAGE AND STRIPING VERTICAL INSTALLATION EXAMPLE

Signs shall be placed a maximum of 25 feet from all corners within a storage area, and shall be spaced a maximum of 50 feet between signs along perimeter walls of the storage area. Signage may be adjusted to provide enhanced visibility while not exceeding the maximum distances. For example, depending on the layout of aisles, signage may be adjusted so that the sign is centered on the aisle. See Figures 17-19.

Internal portions of the storage area shall be signed or striped, as well. If columns are available, signs may be mounted to the columns in such a way as to provide maximum visibility. This may include providing signs on more than one side of the column. Striping shall encompass all applicable columns. When columns are not present, the signage may be hung from the roof supports. These signs would be provided at the required spacing.

If the spacing of the columns is greater than 50 feet, signs or striping shall be provided for all applicable internal columns. When column spacing is less than 50 feet, signs or striping shall be provided on all applicable columns not to exceed 50 feet spacing. See Figure 18 for an illustration.