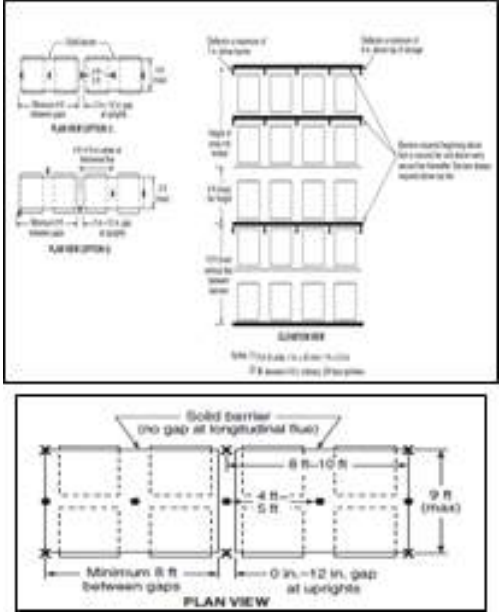


**Table 9.7.KK.: Sprinkler and In rack sprinkler Schemes and Layouts**

SHEMES	REQUIREMENTS	SCHEMATIC
<b>3. SCHEME S-C</b>	<ul style="list-style-type: none"> <li>i. Horizontal barrier shall be 10 mm ply-wood or 22 gauge sheet metal. They shall be spaced as indicated in the figure.</li> <li>ii. In-rack sprinkler shall be provided below each barrier level.</li> <li>iii. Where adjacent rack bays are not dedicated to storage of liquids, the barrier and in-rack sprinkler protection shall be extended at least 8 ft. (2.4 m) beyond the area devoted to liquid storage including aisle.</li> <li>iv. In-rack sprinkler shall be ordinary temperature and quick response type with minimum K Factor of 8.0.</li> <li>v. In-rack sprinkler design shall be based on 6 most remote sprinklers for one level of in-rack sprinkler or 4 most remote sprinklers for top 2 levels, if two levels or more level of in-rack sprinklers.</li> <li>vi. Demand per sprinkler shall be 30 gpm.</li> </ul>	 <p>The schematic consists of two diagrams. The top diagram is a side view showing three levels of shelving. It indicates a 'Solid barrier (no gap at longitudinal Run)' and shows the spacing of barriers and sprinklers. The bottom diagram is a plan view showing the layout of the shelving units. It shows a 'Solid barrier (no gap at longitudinal Run)' and the spacing of barriers and sprinklers. The plan view shows a grid of shelving units with dimensions: 8 ft. - 10 ft. for the width of the shelving unit, 4 ft. - 5 ft. for the width of the aisle, and 8 ft. - 12 ft. for the length of the shelving unit. It also shows a 'Minimum 8 ft. between gaps' and a '0 in. - 12 in. gap at uprights'.</p>