Table 9.7: Automatic Sprinkler System Requirements							
ITEMS	REQUIREMENTS						
32. DESIGN CRITERIA FOR IDLE PALLETS	 i. The automatic Control Mode (Design/Area) Sprinkler Design criteria for idle wooden pallets stored indoors shall be as per Table 9.7.G. ii. The automatic special application Sprinkler Design criteria for wooden pallets stored indoors shall be as per (K11.2), Table 9.7.H. iii. The automatic Specific Application Sprinkler Design criteria for idle wooden pallets stored indoors on floor shall be as per (K16.8), Table 9.7.I. iv. The automatic Specific Application Sprinkler Design criteria for idle wooden pallets stored indoors on floor shall be as per (K19.6), Table 9.7.J. 						

Table 9.7.G: Control Mode (Design)	Area) for Idle Wooden Pallets Stored Indoors
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INDOOR STORAGE ARRANGE- MENT	K-FACTOR	MAXIMUM STORAGE HEIGHT	MAXI- MUM CEILING HEIGHT	REQUIRED DESIGN DEN- SITY Gpm (LPM)	AREA OF SPRINKLER OPERA- TION FT 2 (m²) HIGH TEMP SPRINKLER ORDINARY TEMP SPRIN- KLER		PUMP CAPACITY WITH HOSE DEMAND	PUMP CAPACITY WITH YDRANTS
	8 (115) or Larger	< 1.8 m	6.1 m	0.20 (8.2)	2000 (186)	3000 (279)	750 gpm	1000 gpm
ON FLOOR	11.2 (160) or larger	< 2.4 m	9.1 m	0.45 (18.3)	2500 (232)	-	1250 gpm	1500 gpm
	16.8 (242)	< 6.1	9.1 m	0.60 (24.5)	-	-	-	-
ON FLOOR OR RACK WITHOUT SOLID SHELVES	11.2 (161) or larger	2.4 m - 3.7 m	9.1 m	0.60 (24.5)	3500 (325)	-	2000 gpm	2500 gpm
		3.7 m - 6.1 m	9.1 m	0.60 (24.5)	4500 (418)	-	2500 gpm	3000 gpm

Table 9.7.H: Specific Application for Idle Wooden Pallets Stored Indoors On Floor

TYPE OF SYSTEM	K-FACTOR / ORIENTATION	MAXIMUM STORAGE HEIGHT	MAXI- MUM CEILING HEIGHT	NUMBER OF DESIGN SPRINKLERS BY MINIMUM PRESSURE			PUMP CAPACI- TY WITH HOSE	PUMP CAPACITY WITH YDRANTS
				25 psi	50 psi	75 psi	DEMAND	
WET	11.2 (160) Upright	< 6.1 m	9.1 m	15	-	-	1000 gpm	1250 gpm
DRY	11.2 (160) Upright	< 6.1 m	9.1 m	25	-	-	1500 gpm	2000 gpm

Table 9.7.I: Specific Application (K-factor 16.8) for Idle wooden Pallets Stored Indoors On Floor

TYPE OFSYS- TEM	K-FACTOR/ ORIENTATION	MAXIMUM STORAGE HEIGHT	MAXIMUM CEILING HEIGHT	NUMBER OF DESIGN SPRIN- KLERS	MINIMUM OPERAT- ING PRES- SURE (PSI)	PUMP CAPACI- TY WITH HOSE DEMAND	PUMP CAPACITY WITH YDRANTS
WET	16.8 (240) Upright	6.1 m	9.1 m	15	15 psi	1000 gpm	1500 gpm
DRY	16.8 (240) Upright	6.1 m	9.1 m	15	15 psi	1000 gpm	1500 gpm

Table 9.7.J: Specific Application (K-factor 19.6) for Idle wooden Pallets Stored Indoors On Floor

TYPE OF SYS- TEM	K-FACTOR/ ORIENTATION	MAXIMUM STORAGE HEIGHT	MAXIMUM CEILING HEIGHT	NUMBER OF DESIGN SPRIN- KLERS	MINIMUM OPERAT- ING PRESSURE (PSI)	PUMP CAPACI- TY WITH HOSE DEMAND	PUMP CAPACITY WITH YDRANTS
WET	19.6 (280) Pendent	6.1 m	9.1 m	15	16psi	1250 gpm	1500 gpm
WET	19.6 (280) Pendent	6.1 m	11 m	15	25psi	1500 gpm	2000 gpm
WET	19.6 (280) Pendent	6.1 m	12 m	15	30psi	1500 gpm	2000 gpm

