

Case Study: Racking Safety Inspection



Objective: Assess and inspect existing racking systems to ensure safety and structural integrity.

Background:

Client J.D's freezer facility contains 182 drive-in bays, housing a total of 390 frames measuring approximately 18 feet in height and 48 inches in depth. The company sought a comprehensive assessment to ensure the structural integrity of these racking systems.

Catalina Integrative Solutions identified potential safety risks within the racking systems. To address these concerns, a detailed inspection was conducted to evaluate the extent of the damage and provide a tailored repair solution.

	Total Frames	Frames Not Surveyed (Inaccessible)	Frames Surveyed	Damaged Front Frames	Damaged Rear Frames	% to Replace	Side Rails	Arms	Support Bars
Area A	140	48	92	34	3	40%	32	22	3
Area B	42	0	42	15	0	36%	3	14	0
Area C	140	0	140	33	3	26%	22	24	1
Area D	68	24	44	18	2	45%	6	13	0
Totals:	390	72	318	100	8	34%	63	73	4

The assessment of J. D's freezer racking system revealed significant structural concerns, with 38% of the total frames recommended for replacement due to damage or corrosion. The identification of additional issues, such as damaged or missing side rails, arms, and support bars, further underscores the need for immediate repairs.

By addressing these concerns, J. D. can enhance the safety and stability of their racking infrastructure, ensuring the long-term integrity of their storage systems and minimizing the risk of operational disruptions.