SAFETYRESPECT®

THE GLOBAL LEADER IN EDGE PROTECTION

COST BENEFIT ANALYSIS: PROJECT DESCRIPTION

- Commercial Construction Project
- In a top ten demographic metro area
- 24 story residential tower
- Structure: Concrete
- Each floor requires 955 linear feet of edge hazard protection
- Guardrail will be built for 6 floors (system to be jumped up as floors progress)
- Labor rates based on $35.00 per hour, per employee.

	TRADITIONAL 2X4 WOODEN RAIL OPTION	COST	SAFETYRESPECT EDGE PROTECTION
Personnel Hours To Build and Set Up	*(3 workers to install 50' linear feet per hour.)* Average 50 linear feet of guardrail built in place per hour. Calculation: $35.00 *(hourly rate)* X 3 *(no. of employees)* X (955/50) X 6 *(floors).*	$12,033	✓ $1,260.00
Fasteners and Tools	Combination of nails and screws to be used.	$13,236	✓ $573.00 (3/8" concrete screw)
Materials	955' *(required linear feet per floor)* X 3.5 *(top rail, midrail, toeboards, posts)* X 1.1 *(contingency)* X 6 *(floors)*	$22,060.50	✓ 6,941 linear feet of edge protection barrier system.
Waste	7% (This occurred from knotting, splitting or unusable old wood.)	$4,633	✓ None
Total cost of materials		$66,180	✓ $218,870.75
Additional Hazards Created	Sawing, Silica, Struck By and Electrical Hazards associated with the build out of the wooden rail.		✓ 0%
Removal of Guard Rail		$9,016	✓ None
Extra Bins Required for Waste		$16,824	✓ None
Labor on the Safety Check	(2 employees, 3 hours once per week.)	$8,460	✓ None
Replacements	Replace broken 2X4's during the project.	$6,865	✓ None
TOTAL COST:		**$159,307.50**	**$220,703.75**

CONCLUSION

Significant time and materials are wasted in the process and the end result is non-engineered fall protection that requires constant maintenance, and a substantial amount of the wood materials gets thrown away at the end of a job.

- Easy access to elevator shafts
- Maintenance FREE
- Over 90% reduction in installation and tear down hours
- Easy stack and storage – ready for the next project after use, and the next, and the next
- Easy and simple inspection

*The storage required was comparable and moving the material around the job site was about the same.

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