ATTACHMENT 5

Operational Risk Management Worksheet

Operation: Plan Exhibit of very large and heavy collections

Date of Operation: 7/10/2006

Worksheet developed by: Safety Coordinator's name

Operation Description: An exhibit is scheduled that includes canvases that are 12' x 18' and other large sizes coated in massive amount of lead so they weigh

hundreds of pounds, and one sculptural piece that weighs 10,000 lb.

	Step 2			Step 4	Step 5
Step 1	Assess	I sales •	Residual	How/Who to	Supervise/
Identify Hazard	Hazard	Develop Controls	Risk	Implement	Evaluate
Litting neavy objects causes		Back injury prevention training;		Purchase, rent or porrow WHE.	Director or designate/SC note i
back injury or other body	D	sufficient weight handling equipment;		Contract movers; SC arranges for	effective, other possible
trauma	RAC 2	sufficient personnel to share load.	RAC 3	training; Supervisors ensure personnel have	countermeasures
Dropped heavy objects could		Safety Shoes; safety awareness		and wear safety shoes; use	
''' ' '	RAC 3	training	RAC 4	Icontracted workers	SC/supervisor enforce PPE
Sharp objects or wood	nao s	it attilling	NAC 4	Supervisors ensure personnel have	So/supervisor enforce FFL
splinters on crates could		Leather gloves to prevent splinters,		and wear gloves; use contracted	
	RAC 3	cuts	RAC 4	workers	SC/supervisor enforce PPE
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		In planning stage determine weight/		Director determines limitations and	
		lift/space requirements. Limit exhibit		resource capabilities and assigns	Director or designate/SC note it
Weight exceeds forklift		to meet present capacities, or		personnel capable of determining	effective, other possible
•	RAC 2	contract for necessary equipment	RAC 4	weight and size restrictions.	countermeasures
Weight exceeds elevator	10.02	In planning stage determine weight/	11/10 4	Weight and oize rectiletione.	odanio modela de
9	RAC 2	lift/space requirements (see 8 above)	RAC 4	Same as 8 above	Same as 8 above
Pieces are too large to fit in	1010 2	In planning stage determine weight/	10.00		oumo do o abovo
•	RAC 2		RAC 4	Same as 8 above	Same as 8 above
inc cicvator	10.02	lift/space requirements (see 8 above) in planning stage determine weight/	11/10 4	Came as a above	Came as a above
Mounting challenges to		lift/space/mounting requirements;			
prevent pieces from falling		check with previous museum showing		Employees are trained and provided	Supervisor/SC insures safe
from wall	RAC 1	exhibit for lessons learned	RAC 3	necessary equipment to install safely	installation operations
Unbalanced pieces could					
topple	RAC 1	Same as 11 above	RAC 3	Same as 11 above	Same as 11 above
		Thorough planning and involvement			
Insufficient space for full		of OSHEM fire and safety personnel			
exhibit and visitor viewing		to insure sufficient space for exhibit,		Exhibit planners use scale drawings	Supervisor/SC insures safe
space	RAC 2	employees and visitors	RAC 4	and coordinate with OSHEM	installation operations
Sharp protrusions could					·
injure visitors	RAC 2	Same as 13 above	RAC 4	Same as 13 above	Same as 13 above
		Coordinate with qualified OSHEM		Once provided factual exposure	
		personnel to evaluate exposure		hazard assessments, Director	
Exposure to lead dust	RAC 2	hazard.	RAC 4	determines exhibit limitations.	Same as 13 above