

Job Hazard Analysis Worksheet

BMS DEPT. or CONTRACTOR CO.: Jersey Elevator Company, Inc.

PERFORMED BY: Keith Kirn & Patrick Dametz

WORK START DATE: _____ WORK COMPLETION DATE: _____

BUILDING/ LOCATION: Building 17A (freight)

TRADES INVOLVED: elevator company

SCOPE OF ACTIVITY – LIST BASIC JOB STEPS:

Install new elevator selector bracket in pit.

POTENTIAL HAZARDS			
A. SLIPS/TRIPS or FALLS	F. CONFINED SPACE	K. STRUCK-BY	P. DUST EXPOSURE
B. ELECTRICAL SHOCK/ARC FLASH	G. CHEMICAL EXPOSURE	L. FLAMMABLE MATERIALS	Q. NOISE EXPOSURE
C. ELEVATED/OVERHEAD WORK	H. CAUGHT IN or BETWEEN	M. POOR WORK POSITION	R. POOR VENTILATION
D. HEAVY LIFTING	I. HEAVY MACHINERY	N. POOR LIGHTING	
E. EXCAVATION CAVE-IN	J. WELDING/ HOT WORK/GRINDING	O. STORED ENERGY	OTHER
ENTER LETTER OF POTENTIAL HAZARD AND SAFETY MEASURES FOR EACH STEP			
LETTER	MEASURES TAKEN TO ENSURE SAFETY		
B	Lock-out/Tag-out		
F	Pipe supports and landing blocks under elevator. Safety harness and lanyard, gas detector, hard hats and safety glasses.		
PLACE A CHECK NEXT TO ALL APPLICABLE ITEMS			
PERSONAL PROTECTIVE EQUIPMENT	WORK PLATFORMS FOR TASK	ENERGIZED EQUIPMENT	
FULL FACE SHIELD	SCAFFOLD W/ STD. GUARDRAILS	GROUND FAULT PROTECTION	X
CHEMICAL SPLASH GOGGLES	PERSONNEL LIFT(WORKER TRAINED)	LOCK-OUT/ TAGOUT	X
RESPIRATORY PROTECTION	LADDERS(FIBERGLASS OR WOOD)	ENERGY SOURCES IDENTIFIED	X
HARNES/ LANYARD/ ANCHORAGE	X	FALL PROTECTION LINE	X
POSITIONING DEVICE		MATERIAL HANDLING	HIGH VOLTAGE LINES IDENTIFIED
GLOVES	X	RIGGING EQUIP. INSPECTED/TESTED	FIRE PROTECTION
WELDING HOOD		CRANE (SIZE _____)	FLAMMABLES REMOVED
PROTECTIVE FOOTWEAR	X	LULL/ FORKLIFT & OPERATOR CERT.	WELDING SCREEN IN PLACE
BARRICADES NEEDED	CONFINED SPACE		FIRE WATCH ASSIGNED
COVERS ON FLOOR HOLES		EMPLOYEES TRAINED	X
VISUAL BARRICADES/ SIGNS	X	AIR TESTED/MONITORED	X
Tasks Requiring a Permit: <input type="checkbox"/> Welding/Burning <input type="checkbox"/> Confined Space <input type="checkbox"/> Roof Entry <input type="checkbox"/> Excavation/Trenching <input type="checkbox"/> Refrigerant Recovery <input type="checkbox"/> LO/TO <input type="checkbox"/> Wall Penetration/Cabling OTHER (List) :			

SPECIAL EQUIPMENT REQUIRED TO PERFORM THIS TASK:

Elevator landing blocks; pipe supports under elevator.

CREW SIGN-UP VERIFYING UNDERSTANDING (USE BACK OF SHEET FOR ADDITIONAL SPACE If needed):

Job Hazard Analysis Form

Project: Building 17A controller replacement	Date: 12/28/2009	Page 2 of 2
BMS Dept. or Contractor Co.: Jersey Elevator Co. Inc.	Revision #	WO# (if applicable)
General Description of Work: Installation of new selector bracket.		Written/Submitted by: Mike Wright Phone: 732-290-2991

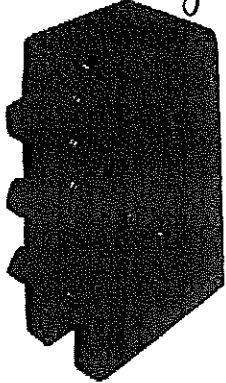
Approval for Commencement of Work:

Supervisor/ Superintendent Signature _____ Date: _____

Sequence of Basic Job Steps	Potential Hazards	Preventive or Protective Measures to Be Used
<ol style="list-style-type: none"> 1. Raise elevator to proper height for work to be performed. 2. Lock out elevator electrical disconnect. 3. Shut off hydraulic oil line 4. Gain access to top of elevator and install hanging blocks to rails and attach elevator crosshead to blocks with nylon mesh slings and tighten with 1.5 ton lever hoists. 5. Gain access to under elevator and check air quality in pit with gas detector (Continuously while all work is being performed). 	<p>1-5. Electric/mechanical</p>	<p>1-5. Lock-out/tag-out, landing and hanging blocks, lever hoists and slings.</p>

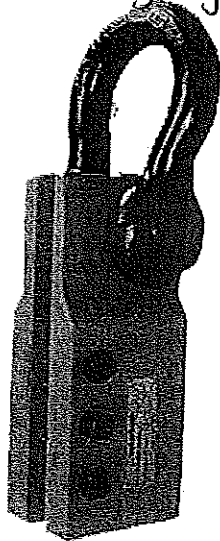
Rail Blocks

Landing



#11-180

Hanging



#11-190

Rail Block #11-180 & #11-190 Series

Use these Blocks to rest your car or counterweight frame at any location in the hoistway. Load Rating: 25,000 lbs. max safe working load per pair with bolts torqued at 70 foot pounds. Rail blocks must be used in pairs.

Part No.	Description	Weight (lbs.)
#11-180	5/8 Rail	10.2
#11-181	3/4 Rail	15.4
#11-183	1 1/8 and 1 1/4 Rail	17.0
#11-190	5/8 Rail	17.5
#11-191	3/4 Rail	33.1
#11-193	1 1/8 and 1 1/4 Rail	33.6
#26160	Replacement Bolts	.16

WARNING:

Before attempting to install these blocks on an elevator guide rail, inspect the jack bolts/set screws to insure they have a clean, sharp cup, in order to grip the guide rail surface and that the threads are clean and provide a tight fit when installed in the body of the rail block. Replace the jack bolts/set screws if either condition is NOT met. If there is any doubt, replace the bolts. Failure to comply may result in injuries, including death.

WARNING:

The blocks are rated at 12,500 pounds each and are to be used with the load imposed in a vertical fashion only. When the block are used in pairs, their rating is 25,000 pounds, total and the loads are to be distributed equally, in a vertical fashion only. Failure to comply may result in injuries, including death.

WARNING: Screw Replacement

Wurtec recommends replacing the set screw after every use. Replace using 5/8-11 X 1 3/4 square head, cup point, set screws. Set screws must be torqued to 70 ft/lbs to insure proper grip. Failure to comply may result in injuries, including death.

Replacement Screws Part #26160

INSTALLATION:

To install the block on a guide rail, hold the block against the rail and tighten the jack bolts/set screws, so that the block will be help in place. Continue tightening the jack bolts/set screws to 70 foot pounds torque.