



## Rolling Steel Fire Door Initial & Annual Drop Test Form

**NOTE TO OWNER:** NFPA 80 AND MODEL CODES REQUIRE THE ANNUAL TESTING OF ROLLING FIRE DOORS TO DEMONSTRATE PROPER OPERATION AND FULL CLOSURE. RESETTING OF THE RELEASE MECHANISM MUST BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. A WRITTEN RECORD MUST BE MAINTAINED AND MADE AVAILABLE TO THE AUTHORITY HAVING JURISDICTION. NFPA 80 ALSO REQUIRES THAT WHEN DAMAGE IMPAIRS THE DOOR'S PROPER AUTOMATIC CLOSING FUNCTION THAT IT BE REPAIRED WITH PARTS OBTAINED FROM THE ORIGINAL DOOR'S MANUFACTURER AND UPON COMPLETION OF REPAIRS THAT THE DOOR BE TESTED TO ASSURE AUTOMATIC CLOSING OPERATION.

**WARNING: SEVERE INJURY OR DEATH MAY RESULT THROUGH IMPROPER ATTEMPTS AT DROP TESTING, REPAIR AND MAINTENANCE.** DROP TESTING, REPAIR AND/OR MAINTENANCE SHOULD BE PERFORMED BY A TRAINED DOOR SYSTEM TECHNICIAN WITH COMPLETE KNOWLEDGE AND UNDERSTANDING OF THIS TYPE OF DOOR AND THE DOOR MANUFACTURER'S INSTALLATION/RESET INSTRUCTIONS. **BEFORE DROP TESTING,** USE THE GUIDELINES ON THE REVERSE SIDE OF THIS FORM TO CONDUCT A VISUAL INSPECTION FOR DAMAGED OR MISSING PARTS THAT MAY CREATE A HAZARD DURING TESTING OR AFFECT PROPER OPERATION OR RESETTING. OPEN AND CLOSE THE DOOR TO CHECK FOR PROPER INSTALLATION. THE DOOR MUST BE FULLY OPEN BEFORE DROP TESTING.

Project \_\_\_\_\_ Contact \_\_\_\_\_  
 Address \_\_\_\_\_ Phone \_\_\_\_\_  
 \_\_\_\_\_ Date \_\_\_\_\_

Location/ Door Mark #	Wall Opening		Door Manufacturer	Door Serial No.	Fire Label Agency and Serial No.	Visual Inspection		Operational Inspection		Drop Test	
	Width	Height				PASS	FAIL	PASS	FAIL	PASS	FAIL

Recommended Work \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Recommended Work Is:** Authorized    Declined    By \_\_\_\_\_ Date \_\_\_\_\_

THE DOORS LISTED ABOVE HAVE BEEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE AUTOMATIC RELEASE DEVICE HAS BEEN TESTED TO DEMONSTRATE PROPER OPERATION AND FULL CLOSURE. THEY HAVE BEEN RESET IN ACCORDANCE WITH THE MANUFACTURER'S RESET INSTRUCTIONS AND LEFT IN PROPER WORKING CONDITION, UNLESS OTHERWISE NOTED ABOVE.

Tested by \_\_\_\_\_ Witnessed by \_\_\_\_\_  
 Company \_\_\_\_\_ Representing \_\_\_\_\_  
 Address \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_  
 \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

# ROLLING STEEL FIRE DOOR INSPECTION AND DROP TEST GUIDELINES

**VISUAL INSPECTION:** Every component of a fire door and its installation must be checked for conditions that may affect a fire door's intended operation and performance. Refer to the manufacturer's installation instructions.

- A) Proper installation
  - 1) curtain, barrel and guides are aligned, level and plumb
  - 2) verify that jamb/wall fasteners are in all slots in the guide or that wall angles are properly welded to the wall opening jambs (welding is not permitted on Factory Mutual labeled doors).
  - 3) fusible links located per manufacturer's instructions
  
- B) Damaged, incorrect or missing parts
  - 1) slats - bent slats, cracked beads, torn ends
  - 2) endlocks - missing, broken, bent, loose
  - 3) bottom bar – bent angles, loose bolts
  - 4) guide assembly – bent angles, loose bolts, curtain entry
  - 5) hood and flame baffle (when baffle required) – bent, rubbing curtain in open position, holes, tears, attachment to brackets and wall (when required), intermediate supports (when required)
  - 6) brackets and operating mechanisms – worn, misaligned or badly meshed gears, broken parts, bent shafts
  - 7) automatic closing and governor mechanisms – missing or broken parts, drop or release arms tied, blocked or wedged
  - 8) fusible links, sash chain/cable, S-hooks, eyes – links painted or coated with dust or grease, kinked or pinched cable, chain twisted or not flexible, obstructed eyes or raceways
  - 9) mounting and assembly bolts – missing or loose
  
- C) Ancillary equipment
  - 1) smoke detectors/release devices – check continuity and power
  - 2) control panels – check function
  - 3) miscellaneous other equipment should be checked for proper function and operation

## **OPERATIONAL INSPECTION**

Open and close the door using normal operation.

If you find damaged or missing parts that will create a hazard or prevent proper operation, THESE CONDITIONS SHOULD BE CORRECTED BEFORE CONDUCTING A DROP TEST.

## **DROP TEST**

A drop test is required to confirm that the fire door will close automatically during a fire emergency. Use manufacturer's drop test instructions. DOOR MUST BE FULLY OPEN BEFORE DROP TEST. The door must close fully so the bottom bar rests on the sill. The average closing speed must be between 6" and 24" per second. Test each automatic closing option of the fire door.

## **RESET THE DOOR**

Reset the door per manufacturer's instructions. Open and close the door by normal operation. Ultimate acceptance of a fire door is the decision of the authority having jurisdiction, as defined in NFPA 80.