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Procedure for Repair of UL Classified Rolling Steel Type Fire Doors

General Information

Repairs shall be made and defects that could interfere with door operation shall be corrected without delay. “Repair” is defined as “any action that restores the door to its original approved condition”. *NFPA 80 addresses repairs and modifications to fire protection systems. The following guidelines reflect some of the information found in NFPA 80 but cannot be used as a substitute for the Standard.*

All fire doors shall be repaired with parts obtained from the original manufacturer of the fire door needing repair. When parts are not available from the original manufacturer of the fire door needing repair, it is required that the complete fire door be replaced. As an alternative, a fire door operator, governor, and automatic closing device may be replaced with a labeled retrofit fire door operator when it is installed in accordance with its installation instructions and is acceptable to the Authority Having Jurisdiction. A retrofit operator may be provided by other than the original manufacturer of the fire door needing repair provided the retrofit operator listing allows it to be used on the manufacturer's door.

Modifications of any fire door should be arranged with the door manufacturer, and with the authority having jurisdiction, i.e. the organization, office, or individual responsible for approving equipment, an installation or a procedure (definition from NFPA 80, paragraph 3.2.2). Field modifications can be made only after being submitted to and approved by UL. Modification submittals must also include the product manufacturer, since NFPA 80 requires that both UL and the product manufacturer are to be involved in any modification request. A field inspection after the modifications are made may also be required. “Field modification” is defined as “a deviation from the product according to the approved procedure”.

All fire doors that are repaired shall be drop tested to ensure the repairs have been completed properly. Two successive successful drop tests are required – one to demonstrate proper operation and full closure, and a second to verify that the door was properly reset. The trained door systems technician's company and building owner should retain a written record of the drop test results, including the names of witnesses. Refer to Installation Manual or Drop Test Procedures provided by the door manufacturer.

Replacement bottom bars will be made in accordance with the specifications in the manufacturer's UL follow-up service procedure. The replacement bottom bar along with instructions for installation and drop testing will be sent to a qualified local door company. A trained door systems technician should accomplish repair and testing. Coordination with the local authority having jurisdiction is recommended.

Note: Technical Data Sheets are information tools only and should not be used as substitutes for instructions from individual manufacturers. Always consult with individual manufacturers for specific recommendations for their products and check the applicable local regulations.

This Technical Data Sheet was prepared by the members of DASMA's Rolling Door Division Technical Committee. DASMA is a trade association comprising manufacturers of rolling doors, fire doors, grilles, counter shutters, sheet doors, and related products; upward-acting residential and commercial garage doors; operating devices for garage doors and gates, sensing devices, and electronic remote controls for garage doors and gate operators; as well as companies that manufacture or supply either raw materials or significant components used in the manufacture and installation of the Active Members' products.

ROLLING DOOR DIVISION
TECHNICAL DATA SHEET
#257

UL Rolling Steel Fire Door Bottom Bar Replacement Procedure

A replacement bottom bar must be ordered from the original fire door manufacturer. The order should include the manufacturer's serial number and, if available, the UL label affixed to the damaged bottom bar. The manufacturer will determine the correct UL label (Figure 1 and Figure 2) to use and the hourly rating, and will process the replacement bottom bar order as follows:

- The door manufacturer will make a replacement bottom bar and attach a new UL replacement part label (Figure 1 or Figure 2).
- The door manufacturer shall maintain a record of the original fire door factory order number and original UL label or certificate number along with the serial number on the UL replacement bottom bar label. This information and the original UL label, if returned, shall be available for a minimum of one year for review by UL representatives.
- The door manufacturer will ship the replacement bottom bar, along with instructions for installation and drop testing, to a qualified local door company to complete the repair.

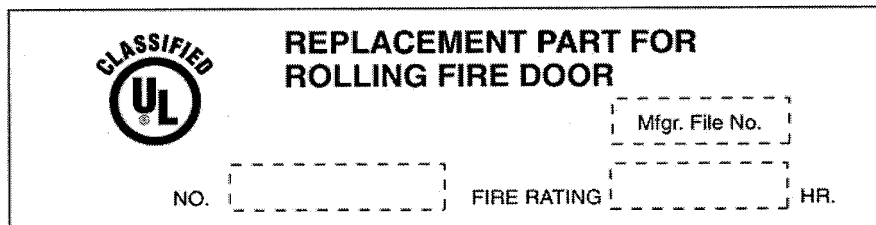


Figure 1

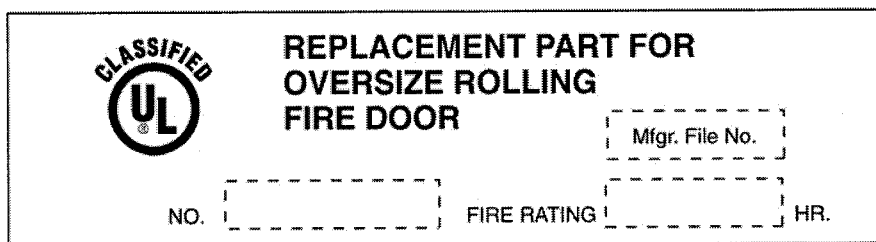


Figure 2

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