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August 28, 1998



Won-Door Corporation  
Mr. Carl Goodman  
1865 South 3480 West  
Salt Lake City, UT 84104

Our Reference: R6799 - Special Purpose Type Fire Door  
Assemblies

Dear Mr. Goodman:

Your letter of August 12, 1998 in regards to the above subject.

In your letter you requested the current status of UL's labeling practices with regard to the size limitations of labeled and certificated Special Purpose Type Fire Door Assemblies.

Historically, a 120 ft<sup>2</sup> maximum size had been established for these types of labeled fire door assemblies based upon a consideration of the largest size assemblies being fire tested and brought to the attention of the NFPA-80 Technical Committee. In recent years, fire door manufacturers have successfully fire tested special purpose fire door assemblies larger than 120 ft<sup>2</sup> and have subsequently submitted these Test Reports to the NFPA 80 Technical Committee for consideration.

Based upon action taken by the NFPA 80 Technical Committee, Par. 2-6.2 of the 1981 Edition of the NFPA 80 Fire Door Installation Standard was revised to delete the 120 ft<sup>2</sup> maximum fire door assembly size. In general, it was felt that if the larger size door assemblies had successfully passed a fire and hose stream test per ANSI/UL 10B (ASTM E-152; NFPA 252, UBC 43-2) they should be eligible for labeling.

As a result of this action, UL now permits manufacturers of special purpose type fire door assemblies to label assemblies up to the maximum size that can be successfully fire tested at our Northbrook facility. It should be noted that the maximum sizes eligible for labeling will now vary depending upon the door type and the specific installation technique.

Special Purpose Fire Door Assemblies which have been successfully fire tested at their maximum size, can then be investigated under UL's Oversized Certificate Program. The maximum size assembly eligible to be provided with an Oversized Certificate is based upon the maximum size submitted to UL for investigation by the manufacturer.


In your specific case, Won-Door is eligible to apply a UL Classification Mark (Label) to the following Special Purpose Type Fire Door Assemblies:

| <u>Hourly Classification</u> | <u>Maximum Area (ft<sup>2</sup>)</u> | <u>Maximum Width (ft)</u> | <u>Maximum Height (ft)</u> |
|------------------------------|--------------------------------------|---------------------------|----------------------------|
| 1                            | 132                                  | 12                        | 12                         |
| 1-1/2                        | 152                                  | 13 1                      | 12                         |
| 3                            | 145                                  | 12 4                      | 12                         |

With regard to the Oversize Door Certificate Program, Won-Door is eligible to supply a UL Oversize Certificate with doors exceeding the heights specified above for labeled doors, up to a maximum of 23 ft. No limitation has been established on the maximum width specified for an oversize certificated assembly due to the specific folding curtain construction of the Won-Door design. The oversize Certificate can be a separate Certificate or a Label Certificate affixed to the door assembly.

If we can be of further service, please contact the undersigned.

Very truly yours,

  
DICK WALTHER (Ext. 43172)  
Senior Engineering Associate  
Engineering Services

DM:bas