

CLIENT: **Design Supply**
Robert Aaby
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Labeling Report No: FD2167

Date: 3/12/2025

SUBJECT: Inspection of 3 protective openings at Saint Lukes East Hospital, 100 Saint Lukes Blvd, Lees Summit, MO 64126

STANDARDS: NFPA 80-2010, *Standard for Fire Doors and Other Opening Protectives*, Section 716.5.7 of the 2012 International Building Code and Section 703.2 of the 2012 International Fire Code.

INSPECTION PERIOD: March 12, 2025 (10:00 AM – 11:00 AM)

AUTHORIZATION: Signed proposals 25JC03101 and authorized by Robert Aaby on March 10, 2025

ANALYSIS: See attached Analysis sheet for information stating the process of determining compliance by establishing traceability to the original listing of the fire doors/frames that were labeled. This report addresses only the openings that were evaluated.

CONCLUSION: In accordance with your request, we inspected 3 and labeled 3 protective openings as outlined in the attached inspection forms. All fire rated openings that were labeled comply with the requirements of NFPA 80, IBC and IFC.

Prepared By



Jeff Crank
Field Inspector

Signed for and on behalf of
QAI Laboratories Inc

<Name of Reviewer>
<Title>

INTRODUCTION

Per section 716.5 (2015) and 716.2 (2018 & 2021) of the IBC, all installed Fire-Rated Doors and Frames are required to be labeled by an accredited testing/inspection/certification agency to demonstrate compliance with time-duration of fire-resistance requirement in the given occupancy category for where the door/frame is installed. Fire-rated doors and frames are tested in accordance with NFPA 252, *Standard Methods of Fire Tests of Door Assemblies*, to evaluate their ability to withstand fire penetration for the desired time limit. Third-party agencies that approve fire doors and frames publish a directory which identifies a list of approved fire-rated products used within door and frame assemblies, and for each individual listing will provide information of the: manufacturer name, model name, duration of fire-rating (minutes), dimensions and fabrication details, accepted components and accessories, installation details, pressure and smoke allowances, and limitations of the rating. Listings will typically state that doors, frames, and hardware, are to be installed in accordance with NFPA 80, unless specific modifications or deviations from NFPA 80 have been tested and are outlined in the listing.

Over the life of the installed door and frame assembly, the requirement of displaying the approved label may become compromised, either by inadvertent removal of the label, or by modification of the installed configuration for purposes of maintenance, aesthetic improvements, or other circumstances as decided by the building owner. When this occurs, an "application of field-applied labels associated with the maintenance of opening protectives shall follow the requirements of the approved third-party certification organization accredited for listing the opening protective." as stated in Section 703.2 (2015) and 705.2 (2018 & 2021) of the International Fire Code. This means that an approved Field Inspection agency must perform an on-site evaluation to determine compliance with the Code, and apply a label showing the door or frame is in compliance.

FIELD EVALUATION

The process of determining compliance is by establishing traceability to the original listing of the fire doors and fire door frames labeled. This information is evidence that the original listing information was validated by reviewing the existing labels on the door or frame, knowledge of the door or frame fabrication details, or by evaluating identical assemblies in the general location of the subject assembly.

The following numbers correspond to the footnote numbers noted in the note section on the data sheets.

Table 1- Summary of Findings

Note #	Classification (Major/Minor/Accepted)	Note
1	Accepted	Hollow metal frames manufactured by Steelcraft under UL. The frames are welded, 16-gauge hollow metal frames with varying throat dimensions. The hinge locations are consistent with frames manufactured by Steelcraft. Frames manufactured by Steelcraft installed in masonry or steel/wood stud construction with 2 layers of 5/8" Type X gypsum can carry a resistance rating up to 1-1/2 hours. Frames are also listed for positive pressure, as applicable.
2	Accepted	Swinging flush wood doors manufactured by VT under WH, UL, QAI. The door listing and construction was verified via adjacent openings that retained the original label. Swinging flush doors manufactured by VT can carry a fire resistance rating up to 20 minutes pending single/pair size and hardware configuration. Swinging flush wood doors are listed for positive pressure, as applicable.

NOTE:

Major nonconformities are those nonconformities which pose risk to life-safety and/or would affect the fit, form, and function of the opening's ability to provide protection as designed and intended. Major nonconformities may also be comprised of several minor nonconformities. Major nonconformities may include but not limited to:

- Structural concerns resulting in the door not being able to function properly or inhibits any potential remedy to the nonconformity.
- Hardware modifications, or additions of, non-listed devices.
- Excessive or oversize penetrations.
- Permanent blocking affixed or otherwise.

Minor nonconformities are those nonconformities which pose minimal risk to life-safety and would not affect the fit, form, and function of the opening's ability to provide protection as designed. Examples of minor nonconformities may include, but not limited to:

- Minor gap deficiencies which may be readily corrected with minimal effort.
- Missing screws.
- Minor penetrations readily corrected with minimal effort.
- Minor closer, operator, or coordinator devices which can be readily adjusted and corrected
- Signage and mail bins attached to door which can be removed with penetrations properly filled following removal.

Openings which have been classified to have Major Nonconformities, shall not be labeled, and shall require re-evaluation following correction to the deficiencies.

At the discretion of the inspector, openings which have been classified to contain minor nonconformities, may be labeled. The inspector may consider previous history with the client to correct minor nonconformities in their decision to apply the label. At the discretion of the inspector, the client shall be afforded ample time, not to exceed thirty (30) working days, to make remedy or plan corrections to minor nonconformities and to confirm the modification have been completed in writing to QAI. Corrections not performed within the allotted period will result in the label being voided in the QAI system and may require a return trip to the facility for removal of the labels at the client's cost.

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