**SC #11-8-24-d**
D#11-19

*Amy Beasley Cronin*
*Secretary, Standards Council*

18 August 2011

To: Interested Parties

Subject:

| | |
|---|---|
| Standards Council Decision (Final): | **D#11-19** |
| Standards Council Agenda Item: | **SC#11-8-24-d** |
| Date of Decision*: | 10 August 2011 |
| TIA No. 1024 on NFPA 101®, *Life Safety Code*®, 2012 edition | |

Dear Interested Parties:

At its meeting of August 9-10, 2011, the Standards Council considered an appeal on the above referenced matter.

Attached is the final decision of the Standards Council on this matter.

Sincerely,

Amy Beasley Cronin
Secretary, NFPA Standards Council

c: D. Berry, M. Brodoff, L. Fuller, R. Coté, D. Matthews, A. Woodberry
Members, Technical Committee on Fire Protection Features (SAF-FIR)
Members, Technical Correlating Committee on Safety to Life (SAF-AAC)
Members, NFPA Standards Council (AAD-AAA)
Individuals Providing Appeal Commentary

*NOTE: Participants in NFPA's codes and standards making process should know that limited review of this decision may be sought from the NFPA Board of Directors. For the rules describing the available review and the method for petitioning the Board for review, please consult section 1-7 of the NFPA Regulations Governing Committee Projects and the NFPA Regulations Governing Petitions to the Board of Directors from Decisions of the Standards Council. Notice of the intent to file such a petition must be submitted to the Clerk of the Board of Directors within 15 calendar days of the Date of Decision noted in the subject line of this letter.

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| Standards Council Decision (Final): | **D#11-19** |
| Standards Council Agenda Item: | **SC#11-8-24-d** |
| Date of Decision*: | 10 August 2011 |
| TIA No. 1024 on NFPA 101®, *Life Safety Code*®, 2012 edition | |

***SUMMARY OF ACTION (for convenience only; not part of official decision):*** *The Standards Council voted to uphold the appeal to issue TIA No. 1024.*

***DECISION:***

At its meeting of August 9-10, 2011, the Standards Council considered an appeal from William E. Koffel of Koffel Associates, requesting the issuance of proposed Tentative Interim Amendment (TIA) No. 1024 on the 2012 edition of NFPA 101®, *Life Safety Code*®. The effect of the TIA is to add information in Table 8.3.4.2 to achieve consistency between the body of the code and the table with respect to ½-hour fire resistance-rated shaft assemblies and ⅓-hour fire protection-rated opening protective assemblies for existing elevator hoistways.

As background, proposed TIA No. 1024 was balloted through the Technical Committee on Fire Protection Features (TC) and the Technical Correlating Committee on Safety to Life (TCC) in accordance with the *Regulations Governing Committee Projects (Regs)*, to determine if it had the necessary three-fourths majority support on merit and emergency nature to establish a recommendation for issuance. The ballot passed the TC on both technical merit and emergency nature; the ballot passed the TCC on merit but failed on emergency nature. No public comments on the proposed TIA were received. Where the ballot does not pass both the TC and the TCC on both merit and emergency nature, the recommendation to the Council is to not issue the TIA.

The appeal requests that the Council issue the TIA. The Council has reviewed the entire record concerning this matter and has considered all the arguments put forth in this appeal. On appeal, the Council generally defers to the responsible TC on technical issues, and here the TC supported the technical merit of the TIA and the TCC supported the correlation merit. The TIA, however, failed the TCC ballot on emergency nature. The question of emergency nature is one on which the Council gives less deference to the judgment of the TC and TCC since evaluation of emergency nature often involves issues of a non-technical nature that the Council itself has an obligation to evaluate to ensure fairness in the treatment of subjects addressed by TIAs. The Council has no difficulty here in concluding the TIA meets the test of emergency nature and accordingly has voted to uphold the appeal and issue TIA No. 1024.

Tentative Interim Amendment

# NFPA 101®
## Life Safety Code®

**2012 Edition**

**Reference:** Table 8.3.4.2
**TIA 12-1**
*(SC 11-8-24/TIA Log #1024)*

**Note:** Text of the TIA issued and incorporated into the text of Table 8.3.4.2 therefore no separate publication is necessary.

*1. Replace Table 8.3.4.2 in 101-98 (Log #228) in the A2011 ROC with the following:*

| Component | Walls and Partitions (hr) | Fire Door Assemblies (hr) | Door Vision Panel Maximum Size (in.$^2$)[a] | Fire Rated Glazing Marking Door Vision Panel | Minimum Side Light/ Transom Assembly Rating (hr) | | Fire Rated Glazing Marking Side Light/Transom Panel | | Fire Window Assemblies[b,c] | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Fire Protection | Fire Resistance | Fire Protection | Fire Resistance | (hr) | Fire Rated Glazing Marking Window |
| **Elevator hoistways** | 2 | 1 ½ | 155 in.$^2$ [d] | D-H-90 or D-H-W-90 | NP | 2 | NP | D-H-W-120 | NP | W-120 |
| | 1 | 1 | 155 in.$^2$ [d] | D-H-60 or D-H-W-60 | NP | 1 | NP | D-H-W-60 | NP | W-60 |
| | ½ | $^1/_3$ | 85 in.$^2$ [e] | D-20 or D-W-20 | $^1/_3$ | $^1/_3$ | D-H-20 | D-W-20 | NP | W-30 |
| **Elevator lobby (per 7.2.13.4)** | 1 | 1 | 100 in.$^2$ [b] | ≤100 in.$^2$, D-H-T-60 or D-H-W-60[a] | NP | 1 | NP | D-H-W-60 | NP | W-60 |
| | | | | >100 in.$^2$, D-H-W-60[a] | | | | | | |
| **Vertical shafts (including stairways, exits, and refuse chutes** | 2 | 1 ½ | Maximum size tested | D-H-90 or D-H-W-90 | NP | 2 | NP | D-H-W-120 | NP | W-120 |
| | 1 | 1 | Maximum size tested | D-H-60 or D-H-W-60 | NP | 1 | NP | D-H-W-60 | NP | W-60 |
| **Replacement panels in existing vertical shafts** | ½ | $^1/_3$ | Maximum size tested | D-20 or D-W-20 | $^1/_3$ | $^1/_3$ | D-H-20 | D-W-20 | NP | W-30 |
| **Fire barriers** | 3 | 3 | 100 in.$^2$ [b] | <=100 in.$^2$, D-H-180 or D-H-W-180[h] | NP | 3 | NP | D-H-W-180 | NP | W-180 |
| | | | | >100 in.$^2$, D-H-W-180[h] | | | | | | |

| Component | Walls and Partitions (hr) | Fire Door Assemblies (hr) | Door Vision Panel Maximum Size (in.$^2$)[a] | Fire Rated Glazing Marking Door Vision Panel | Minimum Side Light/ Transom Assembly Rating (hr) | | Fire Rated Glazing Marking Side Light/Transom Panel | | Fire Window Assemblies[b,c] | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Fire Protection | Fire Resistance | Fire Protection | Fire Resistance | (hr) | Fire Rated Glazing Marking Window |
| | 2 | 1 ½ | Maximum size tested | D-H-90 or D-H-W-90 | NP | 2 | NP | D-H-W-120 | NP | W-120 |
| | 1 | $^3/_4$ | Maximum size tested[f] | D-H-45 or D-H-W-45 | $^3/_4$[f] | $^3/_4$[f] | D-H-45 | D-H-W-45 | $^3/_4$ | OH-45 or W-60 |
| | ½ | $^1/_3$ | Maximum size tested | D-20 or D-W-20 | $^1/_3$ | $^1/_3$ | D-H-20 | D-W-20 | $^1/_3$ | OH-20 or W-30 |
| **Horizontal exits** | 2 | 1 ½ | Maximum size tested | D-H-90 or D-H-W-90 | NP | 2 | NP | D-H-W-120 | NP | W-120 |
| **Horizontal exits served by bridges between buildings** | 2 | $^3/_4$ | Maximum size tested[f] | D-H-45 or D-H-W-45 | $^3/_4$[f] | $^3/_4$[f] | D-H-45 | D-H-W-45 | $^3/_4$ | OH-45 or W-120 |
| **Exit access corridors[g]** | 1 | $^1/_3$ | Maximum size tested | D-20 or D-W-20 | $^3/_4$ | $^3/_4$ | D- H-45 | D-H-W-20 | $^3/_4$ | OH-45 or W-60 |
| | ½ | $^1/_3$ | Maximum size tested | D-20 or D-W-20 | $^1/_3$ | $^1/_3$ | D- H-20 | D-H-W-20 | $^1/_3$ | OH-20 or W-30 |
| **Smoke barriers[a]** | 1 | $^1/_3$ | Maximum size tested | D-20 or D-W-20 | $^3/_4$ | $^3/_4$ | D- H-45 | D-H-W-20 | $^3/_4$ | OH-45 or W-60 |
| **Smoke partitions[g,h]** | ½ | $^1/_3$ | Maximum size tested | D-20 or D-W-20 | $^1/_3$ | $^1/_3$ | D- H-20 | D-H-W-20 | $^1/_3$ | OH-20 or W-30 |

NP: Not permitted.

a. Note: 1 inch$^2$ = .00064516 m$^2$.

b. Fire resistance rated glazing tested to NFPA 251 shall be permitted in the maximum size tested (see 8.3.3.7).

c. Fire rated glazing in exterior windows shall be marked in accordance with Table 8.3.3.12

d. See ASME A17.1, *Safety Code for Elevators and Escalators*, for additional information.

e. See ASME A17.3, *Safety Code for Existing Elevators and Escalators*, for additional information.

f. Maximum area of individual exposed lights shall be 1296 in$^2$ (0.84 m$^2$) with no dimension exceeding 54 in. (1.37 m) unless otherwise tested. [80:Table 4.4.5 Note b and 80:4.4.5.1].

g. Fire doors are not required to have a hose stream test per NFPA 252, *Standard Methods of Fire Tests of Door Assemblies*; ASTM E 2074, *Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side-Hinged and Pivoted Swinging Door Assemblies*; ANSI/UL 10B, *Standard for Fire Tests of Door Assemblies*; or ANSI/UL 10C, *Standard for Positive Pressure Fire Tests of Door Assemblies*.

h. For residential board and care, see 32.2.3.1 and 33.2.3.1.

**Issue Date:** August 11, 2011

**Effective Date:** August 31, 2011

**(Note: For further information on NFPA Codes and Standards, please see** www.nfpa.org/codelist**)**

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