

MEMORANDUM

Dear Committee Members:

After the circulation of votes, the final ballot results are as follows on the attached ballot matrix:

28 Members Eligible to Vote

1 Ballot was not received for Technical Merit by the Final Closing Date of August 4, 2017

1 Ballots was not received for Emergency Nature by the Final Closing Date of August 4, 2017

Technical Merit

26 Affirmative

1 Negative

0 Abstain

According to Section 5-4 of the Regulations Governing Committee Projects, the final results of the TIA # 005-15 ballot achieved the necessary three-fourths majority for affirmative vote (21) on Technical Merit (28 eligible - 1 not returned - 0 abstain = $27 \times 75\% = 20.25$ or **21**).

Emergency Nature

24 Affirmative

3 Negative

0 Abstain

According to Section 5-4 of the Regulations Governing Committee Projects, the final results of the TIA # 005-15 ballot achieved the necessary three-fourths majority for affirmative vote (21) on Emergency Nature (28 eligible - 1 not returned - 0 abstain = $27 \times 75\% = 20.25$ or **21**).

Please feel free to contact me by phone at (909) 230-5535 or by email at enrique.gonzalez@iapmo.org, if you have questions.

Regards,

Enrique Gonzalez
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**2015 Uniform Mechanical Code
TIA # 005-15
Final Ballot Results**

| | |
|----------------------------------|--------------------------------------|
| Ballot Name: | EMERGENCY NATURE UMC TIA # 005-15 |
| Ballot Status: | Ballot has closed. |
| Members Eligible to Vote: | 28 |
| Vote Summary | |
| Option | Count |
| Affirmative | 24 |
| Negative | 3 |
| Abstain | 0 |
| Did not vote | 1 |
| Voter Name | Vote |
| Wiseman, Bob | Affirmative |
| Lovell, Vickie | Affirmative |
| Koerber, Ralph | Affirmative |
| Mann, David | Affirmative |
| Hargis, Shawn | Affirmative |
| Adler, Bob | Affirmative |
| Feehan, Pennie | Affirmative |
| Trafton, April | Affirmative |
| Kreitenberg, Harvey | Affirmative |
| Chang, Ian | Affirmative |
| Smith, Christopher | Affirmative |
| Surrena, Donald | Affirmative |
| Dias, David | Affirmative |
| Ribbs, Phil | Affirmative |
| Cudahy, Michael | Affirmative |
| Scarano, Anthony | Affirmative |
| Berger, Donald | Affirmative |
| Young, Randy | Affirmative |
| Howard, III, Eli | Affirmative |
| Nielsen, John | Affirmative |
| Afonso, Mike | Affirmative |
| Carroll, Marguerite | Affirmative |
| Campbell, Philip | Affirmative |
| Robert Sewell | Affirmative |
| Van Rite, Chris | Negative w/comment |
| Taylor, Don | Negative w/comment |
| Delaquila, David | Negative w/comment |
| Garcia, Roel | Did not vote |

| | |
|----------------------------------|-------------------------------------|
| Ballot Name: | TECHNICAL MERIT UMC TIA # 005-15 |
| Ballot Status: | Ballot has closed. |
| Members Eligible to Vote: | 28 |
| Vote Summary | |
| Option | Count |
| Affirmative | 26 |
| Negative | 1 |
| Abstain | 0 |
| Did not vote | 1 |
| Voter Name | Vote |
| Wiseman, Bob | Affirmative |
| Lovell, Vickie | Affirmative |
| Koerber, Ralph | Affirmative |
| Mann, David | Affirmative |
| Hargis, Shawn | Affirmative |
| Adler, Bob | Affirmative |
| Feehan, Pennie | Affirmative |
| Taylor, Don | Affirmative |
| Trafton, April | Affirmative |
| Kreitenberg, Harvey | Affirmative |
| Chang, Ian | Affirmative |
| Smith, Christopher | Affirmative |
| Surrena, Donald | Affirmative |
| Delaquila, David | Affirmative |
| Dias, David | Affirmative |
| Ribbs, Phil | Affirmative |
| Cudahy, Michael | Affirmative |
| Scarano, Anthony | Affirmative |
| Berger, Donald | Affirmative |
| Young, Randy | Affirmative |
| Howard, III, Eli | Affirmative |
| Nielsen, John | Affirmative |
| Afonso, Mike | Affirmative |
| Carroll, Marguerite | Affirmative |
| Campbell, Philip | Affirmative |
| Robert Sewell | Affirmative |
| Van Rite, Chris | Negative w/comment |
| Garcia, Roel | Did not vote |



UNIFORM MECHANICAL CODE TIA FORM

Reference Code Section: 2015 UMC Section 603.4.1

Submitter(s) Name: David Dias

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Submitter(s) Name: Eli Howard

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Proposed language for TIA:

Amend Section 603.4.1 of the 2015 UMC to read as follows:

603.4.1 Length Limitation. Factory-made flexible air ducts and connectors shall be not more than 5 feet (1524 mm) in length and shall not be used in lieu of rigid elbows or fittings. Flexible air ducts shall be permitted to be used as an elbow at a terminal device.

Exception: Residential occupancies.

Substantiation:

Technical Merit:

The original proposal and TC discussion on flexible duct focused on the need to eliminate the use of flexible duct in lieu of rigid elbows for the purposes of changing direction in runs of ductwork. It was neither the intent of the proposer nor did the data provided to the TC justify the inclusion of a rigid elbow requirement for terminal connections. The language adopted by the TC in 603.4.1 is incomplete and is being misinterpreted as such to require the mandated use of a rigid elbow for terminal connections. The use of flexible duct for terminal connections is in fact appropriate as long as it is installed in compliance to the UMC and SMACNA HVAC Duct Construction Standard. Further, the use of flexible duct for terminal connections uniquely allows for the proper sound attenuation to be maintained at the terminal airflow exit to the conditioned space.

Emergency Nature:

The evaluation of emergency nature findings corresponds to Section 5-2(a) and Section 5-2(f) of the IAPMO Regulations Governing Committee Projects.

Proposers and IAPMO technical committee never intended during adoption for this to be read as a ban on the use of flexible duct for connections to terminals and/or registers. Enforcement confusion in the field is leading to unnecessary costs and penalties to contractors and customers. Designers/Commissioning Agents have also been impacted over the proper method to specify the connection and length of flexible duct for final connections to the terminals and/or registers.

This clarification will provide structure to the industry and reduce the cost burden now impacting all parties. For these reasons, this issue cannot wait for the next code cycle to be resolved.

I hereby grant IAPMO all and full rights in copyright, in this proposal, and I understand that I acquire no rights in any publication of IAPMO in which this proposal appears in this or another similar or analogous form.

Submitter signature (required):  Date: 6-27-17
Eli Howard, SMACNA

Submitter signature (required):  Date: 6-27-17
David Dias, Sheet Metal Workers Local 104

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