

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

1791 Tullie Circle, N.E./Atlanta, GA 30329

**ASHRAE Summer Meeting 2007, Long Beach, Calif.**

**TC 5.2 Duct Design**

**Tuesday, June 26, 2007**

**Location: Long Beach Convention Center / 201B**

**Time: 3:30 – 6:00 pm**

## **Minutes**

**1- Call to order – Brad Thomas, 3:35pm**

**2- Introduction/Attendance – Brad Thomas**

1- Voting Members

No.	Name	Present	Absent
1	Bass Abushakra		A
2	Kevin Gebke	P	
3	Herman Behls	P	
4	Pat Brooks	P	
5	Tom Ponder	P	
6	Johnny Andersson		A
7	Rich Evans	P	
8	Ricardo Gamboa		A
9	Eli Howard	P	
10	Walter Ziemann		A

2- Corresponding Members

3- Visitors

### **3- Approval of the Dallas Meeting Minutes**

- 1- discussion
- 2- Richard Evans motioned to accept Dallas minutes w/changes, Steve Idem 2<sup>nd</sup>, 5-0-1 CNV, Eli Howard abstained from voting

### **4- Section Head, Chair Reports – Brad Thomas**

### **5- Subcommittee Reports**

#### **- Handbook (Vernon Peppers, Chair):**

- 1- Duct Design Chapter – Chapter is complete
- 2- Duct Construction Chapter – due 2008
- 3- Todd Talbot will be the new Handbook chair

#### **- Membership (Steve Idem, Chair):**

- 1- Roster for 2007-2008 (Effective July 1, 2007)
- 2- Who from the CM would like to become a VM? - discussion
- 3- Who from the visitors would like to become a CM? - discussion

#### **- Program (Steve Idem, Chair):**

##### **PROGRAM:**

- 1- Seminar 20. Monday (1:30 – 3:00PM) Pressure Losses in Modern Construction Air Duct Systems.
- 2- Poster Session. Tuesday (11:00 AM- 1:00 PM) Static Pressure Losses in 6”, 8” and 10” Non Metallic Flexible Duct (PR-1333).

- 3- Forum 14. Wednesday (8:00 – 9:00 AM) What is Needed to Commission Air Distribution Systems for Small Commercial Buildings?
- 4- Programs for Upcoming meetings
- 5- Nothing planned or scheduled for New York

**PUBLICATIONS:**

- 1- ASHRAE Duct Fitting Database Maintenance - Herman Behls reported
- 2- T-Duct Program Evaluation - Herman Behls reported. Will send out letter ballot before New York. Todd Talbott will assist with testing. Vernon Peppers would like to offer it for-sale at the New York meeting.

- **Research (Herman Behls, Chair):**

**Progress on current RP's**

- 1- RP 1319: "Laboratory Testing of Duct Fittings to Determine Loss Coefficients": Tennessee Tech – Steve Idem reported
- 2- RP 1333: "HVAC Duct Efficiency Measurements": Culp, Texas – David Cantrill reported

**A&M**

- 1- RP 1180: "Duct Design Manual": Farnsworth Group (Status report from Manager of Research). – Herman Behls reported
  - a. Herman requested that a subcommittee be formed.
  - b. Brad Thomas established a subcommittee with the following members: Richard Evans, Pat Brooks, Herman Behls, Kevin Gebke, Payton Collie, Todd Talbott, and Craig Wray

**New Work Statements:**

- 1- WS-1488: "Laboratory Testing of Flat Oval Fittings to Determine Loss Coefficients" (submitted to RAC 5/14/07) – Discussed vote on this Work Statement from previous meeting in Dallas.

**RTAR's:**

- 1- RTAR: CFD Shootout in Duct Fitting Loss Determination (submitted to RAC 17 May 2007).

- a. Vernon Peppers is going to respond to comments on submitted RTAR
  - b. Vernon Peppers thoroughly explained RTAR
  - c. Richard Evans made a motion to accept revised RTAR and Herman Behls seconded the motion. VOTE: 6-0-0 (CNV)
- 2- RTAR 1369: Design Guidelines to Prevent Snow Causing Shutdown of HVAC System. – Herman Behls will send out an RTAR for letter ballot.

**2007 -2008 Research Plan**

- 1- Laboratory testing of Duct Fittings to Determine HVAC Duct Fitting Loss Coefficients.
- 2- Active RTAR (CFD Shootout).
- 3- New RTAR's.

- **Standards (Thomas Ponder, Chair)**

- 1- Final Changes / Review Status of SPC 120 (MOT to Determine Flow Resistance of HVAC Ducts and Fittings): (Herman Behls, Chair) – Herman Behls reported
- 2- Review Status of SPC 126 (MOT HVAC Air Ducts): (Richard Evans, Chair) – Richard Evans reported. Unanimous vote within the subcommittee to publish the standard with updates.

**6- Unfinished Business:**

- 1- None

**7- Website: (Todd Talbott, Webmaster)**

- 1- Review website of TC5.2.
- 2- Draft of minutes will be posted.
- 3- FAQ's are in the website.

**8- Deadlines:**

- 1- Any Deadlines should be discussed – Covered in about sections.

**9- New Business**

- 1- Any new business should be discussed - None

**10- Awards: (Steve Idem)**

- 1- Hightower nominations – two nominations but both unsuccessful, will try again. The Deadline is Sept. 1<sup>st</sup>, Gaylon Richardson can also help.
- 2- Other awards nominations –

**11- Actions:**

- 1- Status of Previous Actions:
  - a. Request To modify 90.1 to reflect the leakage classes for sealing duct (as shown in the new version of the 2008 handbook). - Herman Behls reported. Todd Talbott will assist with this.
- 2- New Actions
- 3- Eli Howard recommended reviewing of ASHRAE Standard 189. It is out for public review until July 9<sup>th</sup>.
- 4- Dick Graves – Proposed TC 5.2 write up an RTAR to look at conversion of static pressure to velocity pressure.
- 5- Craig Wray suggested that members of this committee be involved with “Building Information Modeling and Interoperability” due to the creation of the T-Duct Program. Vernon Peppers will work to become involved with that committee.

**12- Adjournment**

- 1- Tom Ponder moved to adjourn, Pat Brooks seconded 6-0-0 (CNV)