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## **FIVE WORLD RECORDS SET IN 2009 GOLDEN TROWEL® COMPETITION**

### **JERRY HOLLAND WINS “SAM” FOR CONTRIBUTIONS TO THE CONCRETE FLOOR INDUSTRY**

(Las Vegas) – For the first time ever, five world records for flatness and levelness were set in different floor categories in one year. “This is almost incredible, to have five world records in the same year” said Face Vice President and Golden Trowel® Chairman Jeff Rogers. “These are the highest combined F-Numbers ever measured for these five categories. In fact, some of the second-and-third place finishers in this year’s Golden Trowel® Awards would have been world records last year! It seems that people are learning more and more how to take advantage of the F-Number and graphical feedback, and are now producing better and better floors every year.”

Ace/Avant Concrete Construction Company of Archdale, NC set a world record in taking its 20<sup>th</sup> Golden Trowel® in the 21<sup>st</sup> year of the international competition for placing the flattest and most level concrete slabs. Ace/Avant achieved a combined  $F_F$  130.3 /  $F_L$  100.4 in the “Random Traffic/Laser Screed Wide Bay” category. The project was the Progress Energy Brunswick Nuclear Power Plant, in Southport, NC.

Golden Trowels® are given annually by The Face® Companies of Norfolk, Virginia, developer of the F-Number System.

For the second straight year, the Golden Trowel® competition also saw a Golden Trowel® winner from Australia, this one a world record. Bess Concrete Pty Ltd. of Geebung, Australia claimed their second Golden Trowel® in the “Random Traffic/Laser Screed on Floating Slab - Wide Bay” category, achieving an  $F_F$  113.6 /  $F_L$  89.3. Both this and the Ace/Avant project broke all previous world records for floors struck off with the Somero Laser Screed.

A third world record was achieved by Keystone Concrete Placement of Houston, TX for their work on the Spring Independent School District Child Nutrition Facility. Keystone Concrete achieved an amazing  $F_{MIN}$  205.2 in the “Defined Traffic/Narrow Strip” category. This is Keystone Concrete’s second Golden Trowel® award.

GNP Construtora Ltda from Sao Paulo, Brazil broke a fourth world record for their work on the 37,000 square foot Liotecnica Warehouse in Embu Das Artes, Brazil. GNP produced a floor measuring  $F_F$  121.9 /  $F_L$  103.9 in the “Random Traffic/Narrow Strip” category. This is their first Golden Trowel® award.

Our fifth and final world record was in the “Random Traffic Unshored Elevated Deck” category. This 76,000 square foot floor, for the St. Jude Medical Center in Fullerton, CA, was produced by McCarthy Building Companies of Newport Beach, CA, and measured F<sub>F</sub> 61.2, which far exceeds the previous world’s best of F<sub>F</sub> 55.5.

A total of 95 contractors from six countries on three continents have claimed the 238 Trowels<sup>®</sup> awarded in the contest's 21-year history.

The “Sam” Golden Trowel<sup>®</sup> for 2009 was awarded to Jerry Holland, who has over 40 years of worldwide experience in design, construction and troubleshooting concrete floors and other structures, specializing in flatwork. Jerry is Vice President and Director of Design Services for Structural Services Incorporated. He is a Fellow of the American Concrete Institute and a member and Past Chairman of ACI 360, Design of Slabs on Grade, ACI 302, Construction of Floors and Slabs, and several other ACI committees including ACI 223, Shrinkage-Compensating Concrete. Jerry is also a member of the Post Tensioning Institute Advisory Board. He has authored many articles published in several international publications, including such topics as curling and shrinkage of slabs of them, analysis and design of slabs, world record floors, specialty materials, concrete mix designs, and international projects. In 1992 he set up the curriculum for the ACI Slab on Ground seminars and has been the coordinator and an instructor for that and other ACI seminar programs ever since.

The “Sam” award is named after the late Face<sup>®</sup> Companies Chairman Sam Face and has been awarded since 2001.

## **The Samuel A. Face, Jr. Award**

For Outstanding Accomplishments in and Contributions to  
The Art & Science of High Quality Horizontal Concrete Construction

**Jerry Holland**

*Awarded February 2010*

## **2009 Golden Trowel<sup>®</sup> Winners - Gold Plates**

The 2009 winners in the floor placement/finishing competition are:

**Winner:** Ace/Avant Concrete Construction Co. Inc. • Archdale, NC  
(20<sup>th</sup> Golden Trowel<sup>®</sup>)

**Category:** Random Traffic/Laser Screed Wide Bay • 22,764 Sq. Ft.

**F-Number(s) Achieved:** FF 130.3 / FL 100.4 (World Record)

**Project:** Progress Energy Brunswick Nuclear Power Plant, Southport, NC

**Winner:** Bess Concrete Pty Ltd. • Geebung, Australia  
(2<sup>nd</sup> Golden Trowel<sup>®</sup>)

**Category:** Random Traffic/Laser Screed on Floating Slab - Wide Bay • 31,807 Sq. Ft.

**F-Number(s) Achieved:** FF 113.6 / FL 89.3 (World Record)

**Project:** Channel 7 Studios • Sydney, Australia

**Winner:** Keystone Concrete Placement • Houston, TX  
(2<sup>nd</sup> Golden Trowel<sup>®</sup>)

**Category:** Defined Traffic/Narrow Strip • 32,625 Sq. Ft.

**F-Number(s) Achieved:** F<sub>MIN</sub> 205.2 (World Record)

**Project:** Spring Independent School District Child Nutrition Facility • Houston, TX

**Winner:** GNP Construtora Ltda • Sao Paulo, Brazil  
(1<sup>st</sup> Golden Trowel<sup>®</sup>)

**Category:** Random Traffic/Narrow Strip • 36,691 Sq. Ft.

**F-Number(s) Achieved:** FF 121.9 / FL 103.9 (World Record)

**Project:** Liotecnica Warehouse • Embu Das Artes, Brazil

**Winner:** McCarthy Building Companies, Inc. • Newport Beach, CA  
(10<sup>th</sup> Golden Trowel<sup>®</sup>)

**Category:** Unshored Elevated Deck • 75,792 Sq. Ft.

**F-Number(s) Achieved:** FF 61.2 (World Record)

**Project:** St. Jude's Medical Center • Fullerton, CA

**Winner:** Birdwell & Associates, Inc. • Lakeland, FL  
(16<sup>th</sup> Golden Trowel<sup>®</sup>)

**Category:** Random Traffic • Wet Screed/Magic Screed • 24,000 Sq. Ft.

**F-Number(s) Achieved:** FF 94.4 / FL 32.4

**Project:** Crownsville Assembly Hall • Crownsville MD

## 2009 Golden Trowel<sup>®</sup> Winners - Silver Plates

**Winner:** Eric Wayne Inc. • Davidson, NC (2<sup>nd</sup> Golden Trowel<sup>®</sup>)  
**Category:** Random Traffic • Unshored Elevated Deck • 23,320 Sq. Ft  
**F-Number(s) Achieved:** FF 51.4  
**Project:** BCT Training Complex II • Fort Jackson, SC

**Winner:** Birdwell Builders & Associates, Inc. • Lakeland, FL  
(15<sup>th</sup> Golden Trowel<sup>®</sup>)  
**Category:** Random Traffic • Wet Screed/Magic Screed • 15,952 Sq. Ft.  
**F-Number(s) Achieved:** FF 73.6 / FL 41.0  
**Project:** Rio Grande Assembly Hall • Feria, TX

**Winner:** Birdwell Builders & Associates, Inc. • Lakeland, FL  
(14<sup>th</sup> Golden Trowel<sup>®</sup>)  
**Category:** Random Traffic/Laser Screed Wide Bay • 24,000 Sq. Ft.  
**F-Number(s) Achieved:** FF 122.4 / FL 66.3  
**Project:** Crownsville Assembly Hall • Crownsville, MD

**Winner:** Concrea Ingenieria, SA de CV • Zapopan, Mexico  
(4<sup>th</sup> Golden Trowel<sup>®</sup>)  
**Category:** Random Traffic • Wet Screed/Magic Screed • 237,086 Sq. Ft.  
**F-Number(s) Achieved:** FF 67.5 / FL 37.4  
**Project:** CD Farmacias Guadalajara • Guadalajara, Mexico

**Winner:** McCarthy Building Companies, Inc. • Newport Beach, CA  
(9<sup>th</sup> Golden Trowel<sup>®</sup>)  
**Category:** Unshored Elevated Deck • 99,000 Sq. Ft.  
**F-Number(s) Achieved:** FF 58.0  
**Project:** Providence Holy Cross Jude's Medical Center • Mission Hills, CA