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THREE WORLD RECORDS SET IN 2012 GOLDEN TROWEL[®] COMPETITION

CECIL BENTLEY WINS “THE SAM” FOR CONTRIBUTIONS TO THE CONCRETE FLOOR INDUSTRY

(LAS VEGAS) Birdwell & Associates of Lakeland, Florida played a key role in setting two of the three new world records that were among the winners of seven Golden Trowels[®] presented at the annual Golden Trowel[®] awards ceremony at the World of Concrete. In addition, four Silver Trowels were awarded for 2012. Entries from three countries (Australia, Canada and the United States) were among the winners. The awards were presented on Thursday, February 7, 2013 (scheduled for 12 noon in Room S221).

Overall, Birdwell took home four awards at this year’s ceremony, giving them a total of 23 awards over the history of the competition... second only to the 25 won by Fricks Floor Systems of Ft. Worth, Texas. All of the other 2012 awardees were first-time winners in the competition.

Presented by The Face[®] Companies of Norfolk, Virginia, Golden Trowels[®] are given annually in recognition of the flattest and most level floor slabs placed in the world.

Cecil Bentley was presented with the 2012 Sam Award, for his decades of contributions to the concrete flooring industry as an award-winning contractor, flooring consultant and author of numerous technical publications.

The three world records for concrete floor flatness/levelness were awarded in the categories:

- Somero Laser Screed wide bay (large placement);
- Somero Laser Screed narrow bay (small placement); and
- Hand Screed Form-to-Form.

Rogers Concrete of West Swan, Western Australia set a World Record for levelness in its 112,612 sq. ft. project for Masters Ellenbrook of Ellenbrook, Western Australia. Competing in the Somero Laser Screed wide bay (large project) category, Rogers Concrete achieved overall F-Numbers of F_F 101 and F_L 91. In projects this large, it is quite difficult to keep the numbers high day after day. This is a World Record F_L Number for projects of this type.

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Birdwell teamed with Carolina Floors of Rock Hill, South Carolina and Skene Concrete of Cartersville, Georgia to set a world record on a project for Pharr Yarns in Clover, North Carolina. The 2,329 sq. ft. slab was entered in the Hand Screed Form-to-Form category. The F-Numbers of F_F 151 / F_L 127 represent World Records for both F_F and overall F-Numbers for this type project.

Birdwell and Skene combined their efforts for another world record on a project for Rigby's Family Entertainment Complex in Warner Robbins, Georgia. The two contractors achieved the best flatness/levelness ever achieved in a Golden Trowel® entry in the Somero Laser Screed wide bay (small project) category. Their 21,708 sq. ft. installation measured F_F 123 / F_L 123, which are both the highest F_L Numbers and highest combined F-Numbers ever for this type project.

The same two contractors claimed a Silver Trowel on the same project in the Wet Screed/Hand Screed category, achieving F_F 90 / F_L 74 on a 12,580 sq. ft. slab.

That entry was the second-best ever received in the Wet Screed/Hand Screed category, beaten out only by this year's Golden Trowel®-winning project for Gingin Yard of Perth, Western Australia. The finishing contractor for that project was Perth's Tuss Concrete, which achieved F_F 134 / F_L 101.

Tri-Con Concrete Finishing Co, LTD of North York, Ontario, Canada won a Golden Trowel® for the 18,000 sq. ft. NFL spec ice rink slab that it placed over Styrofoam on the third floor of the Ryerson Athletic Centre at Maple Leaf Gardens in Toronto, Ontario. This very challenging installation, including a dry-shake hardener, measured F_F 70 / F_L 50.

A Golden Trowel® in the Narrow Strip category was garnered by Smykal Construction of Wild Rose, Wisconsin for its 19,500 sq. ft. placement for Emmi Roth in Platteville, Wisconsin. The F_F 171 / F_L 95 was the second-best ever achieved in the Golden Trowel® competition, just missing a World Record themselves.

Messerly Concrete of West Haven, Utah's installation at the Center for New Media at the Salt Lake Community College in Salt Lake City achieved F_F 114 / F_L 79, which won the Golden Trowel® for the Somero Laser Screed narrow bay category.

Messerly took home a Silver Trowel for its 109,750 sq. ft. Fed Ex Distribution project in Salt Lake City, achieving F_F 92 / F_L 51 in the Somero Laser Screed wide bay (large project) category.

A second Silver Trowel was awarded in that category. Serretta Construction of Apopka, Florida placed a 288,660 sq. ft. project at the Rooms to Go Distribution Center in Lakeland, FL that measured F_F 89 / F_L 52, virtually the same F-Numbers as Messerly's, and good enough to win a gold plate Golden Trowel® only a few years ago.

Birdwell took home another Silver Trowel in the Somero Laser Screed wide bay (small project) category at the Orangeburg Assembly Hall in Orangeburg, South Carolina. The F-Numbers for this 47,680 sq. ft. project were F_F 107 / F_L 60.

(more)

The “Sam” is a special Golden Trowel[®] that honors outstanding accomplishments in and contributions to the art and science of high quality horizontal concrete construction. The “Sam” is named in honor of Samuel A. Face, Jr. (1923-2001), the late Chairman of The Face[®] Companies. It has been awarded each year since 2002.

This year’s “Sam” Golden Trowel[®] was awarded to Cecil Bentley who, as the owner and president of Tri-Bentley Constructors, Inc. from 1970 to 1995, worked on projects with Sam Face and was an early adopter of both the F-Number System and the placement and finishing techniques that Sam Face developed in the 1970s and 80s.

Tri-Bentley was one of the Southeast’s largest concrete construction firms specializing in multiprocessing plants, warehouses, distribution centers, office buildings, shopping centers and other facilities.

Late in his career at Tri-Bentley, he was selected to participate in the concrete construction of the 1996 Olympic Aquatic Center at Georgia Tech as well as to install the Slabs on Metal Deck for the construction of the 1996 Olympic Stadium.

For the last 17 years, Mr. Bentley has served as a consultant to the concrete construction industry with Lockwood Greene Engineers and Architects and, for the last 12 years, with Structural Services, Inc.

He has co-authored technical papers for the American Concrete Institute publication *Concrete International* in 2006, 2007 and 2010 and for ACI’s *Concrete Construction* in 2007 and 2010.

Mr. Bentley has been an ACI member for 27 years. He is a member of ACI Committee C-640 “Craftsman Certification” and has been an examiner for ACI’s Concrete Flatwork Finisher/Technician Certification Program since 1997.

He has won numerous awards from the ACI state chapter in Georgia and his Tri-Bentley Constructors won a Golden Trowel[®] Award in recognition of the Flattest & Most Level Concrete Floor Slabs of 1990 for the construction of several superflat floors in a warehouse facility for E. I. Du Pont de Nemours. That Golden Trowel[®] was personally awarded to Mr. Bentley by Sam Face, 22 years ago.

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2012 Golden Trowel[®] Winners Gold Plates

- Contractors:** Birdwell & Associates • Lakeland, FL
(Birdwell has won 23 awards in the Golden Trowel[®] competition)
Carolina Floors • Rock Hill, SC
Skene Concrete • Cartersville, GA
- Category:** Hand Screed Form-to-Form • 2,329 sq. ft.
- F-Numbers Achieved:** FF 151 / FL 127 (World Record)
- Project:** Pharr Yarns • Clover, NC
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- Contractor:** Birdwell & Associates • Lakeland, FL
Skene Concrete • Cartersville, GA
- Category:** Somero Laser Screed wide bay (small) • 21,708 sq. ft.
- F-Numbers Achieved:** FF 123 / FL 123 (World Record)
- Project:** Rigby's Family Entertainment Complex • Warner Robbins, GA
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- Contractor:** Rogers Concrete • West Swan, Western Australia
- Category:** Somero Laser Screed wide bay (large) • 112,612 sq. ft.
- F-Numbers Achieved:** FF 101 / FL 91 (World Record)
- Project:** Masters Ellenbrook • Ellenbrook, Western Australia
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- Contractor:** Smykal Construction • Wild Rose, WI
- Category:** Narrow Strip • 19,500 sq. ft.
- F-Numbers Achieved:** FF 171 / FL 95
- Project:** Emmi Roth • Platteville, WI
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- Contractor:** Tuss Concrete • Perth, Western Australia
- Category:** Wet Screed/Hand Screed • 5,167 sq. ft.
- F-Numbers Achieved:** FF 134 / FL 101
- Project:** Gingin Yard • Perth Western Australia
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- Contractor:** Messerly Concrete, West Haven UT • West Haven, Utah
- Category:** Somero Laser Screed 22-40 ft. • 6,639 sq. ft.
- F-Numbers Achieved:** FF 114 / FL 79
- Project:** Center for New Media • Salt Lake Community College
Salt Lake City, UT
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- Contractor:** Tri-Con Concrete Finishing Co, LTD • North York, ON, Canada
- Category:** Ice Rink on 3rd floor with Dry Shake • 18,000 sq. ft.
- F-Numbers Achieved:** FF 70 / FL 50
- Project:** Ryerson Athletic Centre at Maple Leaf Gardens • Toronto, ON, Canada

2010 Golden Trowel[®] Winner Silver Plates

- Contractor:** Birdwell & Associates • Lakeland FL
Category: Somero Laser Screed wide bay (small) • 47,680 sq. ft.
F-Numbers Achieved: FF 107 / FL 60
Project: Orangeburg Assembly Hall • Orangeburg, SC
- Contractor:** Messerly Concrete • West Haven, Utah
Category: Somero Laser Screed wide bay (large) • 109,950 sq. ft.
F-Numbers Achieved: FF 92 / FL 51
Project: Fed Ex Distribution • Salt Lake City, UT
- Contractor:** Birdwell & Associates • Lakeland FL
Skene Concrete • Cartersville, GA
Category: Wet Screed/Hand Screed • 12,580 sq. ft.
F-Numbers Achieved: FF 90 / FL 74
Project: Rigby's Family Entertainment Complex • Warner Robbins, GA
- Contractor:** Serretta Construction • Apopka, FL
Category: Somero Laser Screed wide bay (large) • 288,660 sq. ft.
F-Numbers Achieved: FF 89 / FL 52
Project: Rooms to Go Distribution Center • Lakeland, FL

The Samuel A. Face, Jr. Award

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

Cecil Bentley

Awarded February 2013

PROFESSIONAL QUALIFICATIONS

Owner and President of Tri-Bentley Constructors, Inc. from 1970 to 1995. Tri-Bentley was one of the Southeast's largest concrete construction firms specializing in multiprocessing plants, warehouses, distribution centers, office buildings, shopping centers and other facilities.

Consultant for Lockwood Greene Engineers & Architects 1995 to 2002

Consultant for Structural Services Inc. from 2002 to present

Consultant for the concrete construction industry 1996 to present

50 years of experience in providing concrete construction and consultation services.

Testified as an expert witness in court cases involving disputes in concrete construction

- Co-authored technical paper for the American Concrete Institute publication Concrete International entitled "Shrinkage-Compensating Concrete Pavements Perform Well", January 2006.
- Co-authored technical paper for the American Concrete Institute publication Concrete Construction entitled "A Joint-less, Crack-Free Walkway", March 2007
- Co-authored technical paper for Concrete Construction, "No Joints? No Cracks? No Gray? No Problem!", September 2010

Member of the Georgia Concrete Advisory Board since 1997

Member of American Concrete Institute Committee C-640 "Craftsman Certification".

Examiner for the American Concrete Institute Concrete Flatwork Finisher/Technician Certification Program since June 1997

Knowledgeable in various types of floor and pavement specifications and concrete construction. Construction knowledge includes: shrinkage-compensating concrete slabs, post-tensioned slabs, superflat floors, mineral and metallic dry shake hardeners, bonded and unbonded toppings, static-disseminating floors, steel fiber reinforced slabs, slabs with synthetic fibers (including high volume applications), lightweight concrete, colored floors, exposed aggregate finishes, slabs with moisture-sensitive coverings.

Evaluated numerous slabs and covering failures including; cracking, concrete mix design issues, finishing, pop-outs, blisters, delaminations, etc.

Develops and conducts concrete finisher/technician workshops for construction companies as a part of General/Concrete Contractors and Ready-Mix Companies quality control programs.

Develops agendas, conducts pre-slab construction meetings

Develops programs for construction inspections

Member of American Concrete Institute (ACI) since 1986

Member of ACI Georgia Chapter since 1979

The Samuel A. Face, Jr. Award

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

Cecil Bentley

Awarded February 2013

continued

■ AWARDS / HONORS

As Owner/President of Tri-Bentley Constructor's, Inc.

- 1990 Golden Trowel™ Award in recognition of the Flattest & Most Level Concrete Floor Slabs of the Year for the construction of several superflat floors in a warehouse facility for E. I. Du Pont de Nemours
- 1993 ACI GA Chapter Award winner for “Light-Reflective Floor” for Atlanta Bonded Warehouse Corporation
- 1993 ACI GA Chapter Award winner for category “Special Concrete Project - Armstrong Dryer Floor Replacement” for Armstrong World Industries
- 1994 ACI GA Chapter Award winner for “Shrinkage – Compensating Concrete Paving” for Kennesaw International Co./Atlanta Bonded Warehouse Corporation
- 1994 ACI GA Chapter Outstanding Achievement Award for Industrial category “Kemira Ti02 Research and Development Center” for Kemira Corporation
- 1994 ACI GA Chapter Award winner for “Light-Reflective Floor Expansion” for Atlanta Bonded Warehouse Corporation
- Tri-Bentley Constructor's, Inc. gained industry wide recognition while having company achievements published in Engineering News record: ENR/July19, 1990 “Still eyeballing floors for flatness? Shame on you, say many experts” and again in ENR/February 27, 1995 “Mulligan’s moment of truth”
- Tri-Bentley Constructor's, Inc. was selected to participate in the concrete construction of the 1996 Olympic Aquatic Center at Georgia Tech as well as to install the Slabs on Metal Deck for the construction of the 1996 Olympic Stadium

As Consultant to the Concrete Construction Industry

- 1998 ACI GA Chapter Project Award winner for “Elevated Floor Rebuilt with Fiber Reinforcement and Shrinkage-Compensating Concrete” for Delta Airlines Technical Operations Center
- 2000 ACI GA Chapter Project Award winner for “2500 Building, Rooms 6 & 7 Light-Reflective Post-Tensioned Floor” for Atlanta Bonded Warehouse Corporation
- 2001 ACI GA Chapter Project Award winner for “2500 Building, Room 8 Shrinkage-Compensating Concrete Paving” for Atlanta Bonded Warehouse Corporation
- 2001 ACI GA Chapter Project Award winner for “2500 Building, Room 8 Post-Tensioned Floor” for Atlanta Bonded Warehouse Corporation
- 2003 ACI GA Chapter Outstanding Achievement Award for Paving category “A Unique Joint-less Crack-free Walkway” for a residence

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