

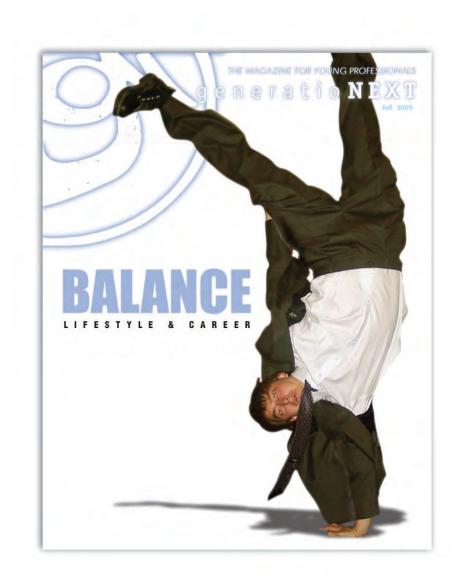
MAGAZINE COVER



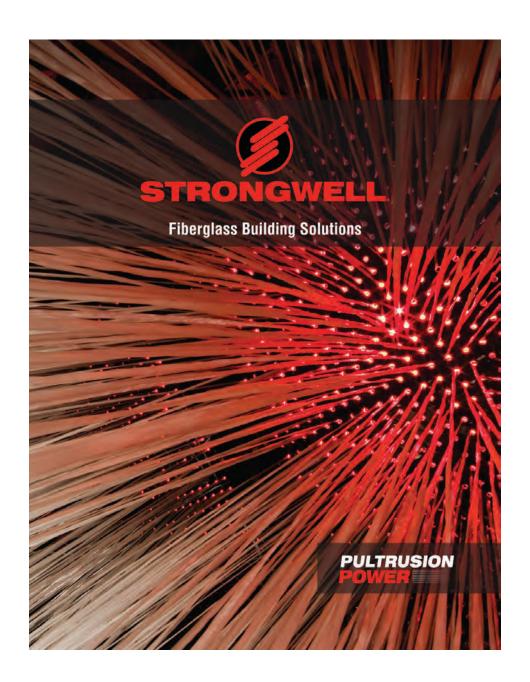
MAGAZINE COVER



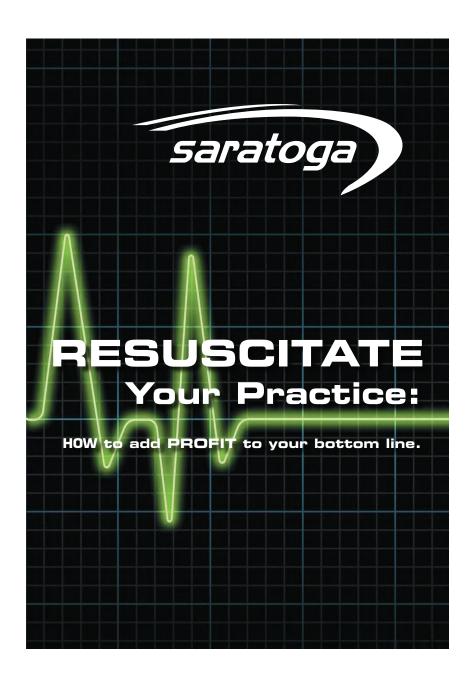
PUBLICATION MAGAZINE COVER



# PUBLICATION MAGAZINE COVER



# PUBLICATION COLLATERAL PIECE



COLLATERAL PIECE



## ARCHITECTURAL CONCEALMENT SYSTEMS

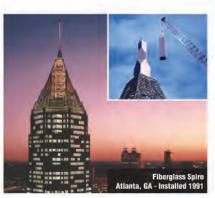
Strongwell offers a broad range of FRP (fiber reinforced polymer) structural materials, systems and fabricated structures. Strongwell's fiberglass products are ideal solutions for architectural concealments, as they are attractive, easy to install, lightweight and transparent to cellular emissions and radio waves.

#### Conceal:

- Antennas
- Transmission Equipment
- Satellite Dishes
- HVAC Equipment



- Lightweight materials no need to reinforce support systems or roof
- Designed to match existing facade
- Upgrade Visual Aesthetics
- Improve Sight Lines
- Increase Rental Income









# PROFILE

**Strongwell News & Applications** 

#### Case Study: EXTREN® and DURASHIELD®

#### Stone Mountain 16+ Years Later, Still "Tops" Expectations

Over sixteen years ago EXTREN® fiberglass structural shapes, DURASHIELD® building panels and FIBREBOLT® fiberglass studs and nuts were installed as part of a 53° square roof atop the Aerial Tram Station on Stone Mountain, Georgia. The structure also houses and conceals twenty antennae, Today, the structure continues to show the excellent return on investment for its current owners. It continues to meet structural requirements, remains invisible to radio frequencies and maintains its aesthetic beauty to complement the park atmosphere.

The fiber reinforced polymer (FRP) structure was created for the 1996 Olympics and was designed by Diedrich Architects, with Heery International doing the engineering work. Today, it also continues to serve as a visitor center and mountaintop station for the park's 2,500-foot sky lift tram ride, which specified a roof of this size.

The FRP hip roof, 16'9" at its peak, used EXTREN" 24" 1-beams in 40' lengths for ridge members and has 64 rafters and 17 columns (10"

and 12" EXTREN® FRP wide flange beams), and 130 hand lay-up, ½" thick connection plates. The fiberglass structure was covered with 3,400 lineal feet of 1" DURASHIELD® FRP building panels. FIBREBOLT® FRP fasteners were used to bolt through the DURASHIELD® panels through top and bottom flanges of the rafters. Strongwell was able to prefabricate and partially assemble the project before shipping to the site.

FRP has always been known for excellent durability and the 16+ years of exposure on Stone Mountain has had little to no effect on the product.

When asked recently about the lifespan of the Strongwell products used on the facility, property managers were pleased to report the products still look to be in excellent shape and the structure shows very little wear and tear. Too often, the industry concentrates on short-term costs. Now, years later, the decision to go with FRP has proven to be a value-added long term investment.

#### INSIDE:

 FRP Wins Against High Commodity Prices

Fall 2012

- Strengths to Weight Ratio Leads to Savings on Installation, Maintenance and Operation Costs
- Pultruded FRP Offers a Low Maintenance Alternative to Metals in Pool Environments
- FRP Inserted into Award Winning Art Deco Museum Entrance
- New SAFRAIL™
  Components
- Literature Updates
- New Faces at Strongwell

Corporate Offices and Bristol Manufacturing Location 400 Commonwealth Ave. P.O. Box 580 Bristol, VA 24203-5590 USA (276) 645-8000. FAX (276) 645-8132

Chatfield Location 1610 Highway 52 South Chatfield, MN 55923-9799 USA (507) 867-3479, FAX (507) 867-4031

Highlands Location 26770 Newbanks Road Abingdon, VA 24210 USA

www.strongwell.com



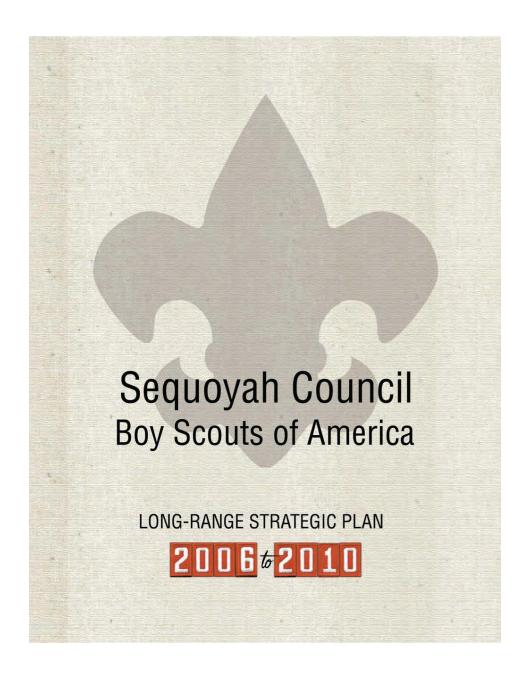
Newsletter from Strongwell Corporation © Strongwell 2012

**PUBLICATION** 

NEWSI ETTER



**NEWSLETTER** 



LONG-RANGE STRATEGIC PLAN



#### **LOGO**

THE EDISONIAN BREW SHOP - JOHNSON CITY, TN

#### **REVISIONS**













# Foundation Flyers, Inc.

**LOGO** 

FOUNDATION FLYERS - WINTER GARDEN, FL



**LOGO**EAST TENNESSEE STATE UNIVERSITY - BASKETBALL PEP BAND



## **LOGO**

HOAGIES**2**GO - ROADRUNNER MARKET



## **LOGO**

ROSWELL HIGH SCHOOL ORCHESTRA - ROSWELL, GA



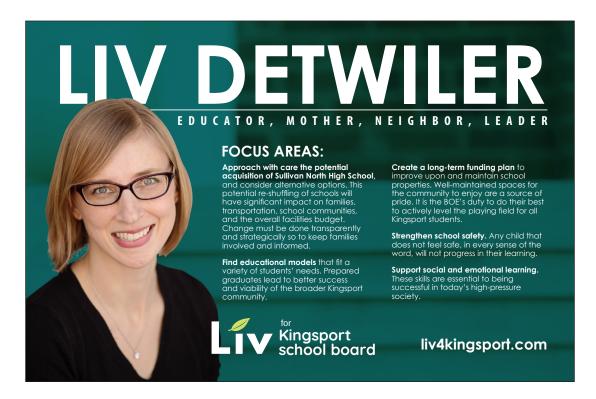








T-SHIRT DESIGN AND OPTIONS
MULLINS COMPANY - 70 YEARS ANNIVERSARY





#### **VALUES:**

- Student and teacher centered
- Strategic long-term vision
- Fiscal responsibility that does not compromise excellence and innovation
- Community engagement and open communication

Early Voting May 1-16, 2019 Election Day May 21, 2019

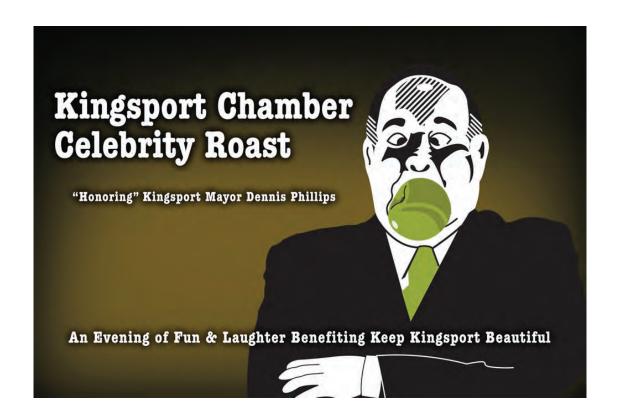
liv4kingsport.com

Kingsport school board

strong neighborhood schools

Paid for by the Detwiler Campaign Committee, A. Detwiler, Treasurer

1249 WATAUGA STREET KINGSPORT TN 37660



## **ILLUSTRATION**

POSTCARD - KINGSPORT CHAMBER ROAST OF PAST MAYOR DENNIS PHILLIPS



# ILLUSTRATION CLIENT COMMISSION



# **CALENDAR**KINGSPORT TOWN PLANNER



## **ENVIRONMENT**

VIRGINIA WELCOME CENTER
BIRTHPLACE OF COUNTRY MUSIC MUSEUM INSTALLATION







## **ENVIRONMENT**

ERNIE T. FORD EXHIBIT
BIRTHPLACE OF COUNTRY MUSIC MUSEUM INSTALLATION

