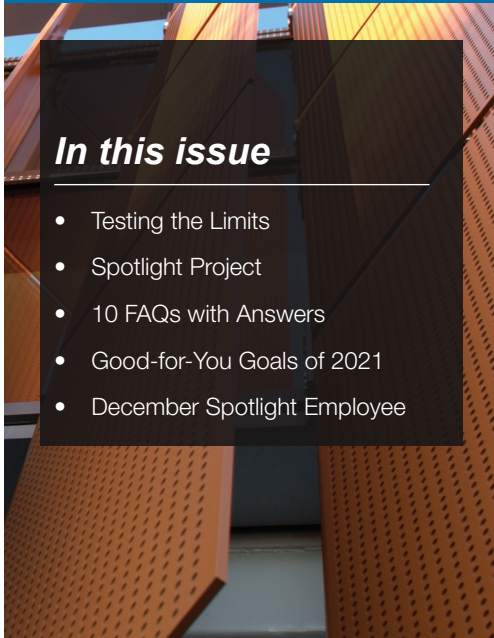




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- Testing the Limits
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- 10 FAQs with Answers
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Testing the Limits

How AGS, Inc. keeps our sunshades hanging strong.

AS ARCHITECTS BECOME MORE DARING AND BOLDER in building design, do you ever wonder how they are sure their projects are structurally safe? There is a lot at stake when it comes to engineering and architecture. AGS has been partnered with Rice Engineering since 2004 for engineering calculations required on every sunshade

design that goes into our customers' hands. They have been a wealth of knowledge and have kept our sunshades hanging strong for over 16 years.

Rice Engineering always references the current **Aluminum Design Manual's – "Specifications for Aluminum Structures"**. This vital publication provides designers

and engineers the means for determining the strength of aluminum structures, and is now the standard for all aluminum design. Every publication represents the knowledge gained through testing and research and continually improves design in the aluminum industry. Here is a sample of some of the latest topics tested.

2020 Testing at a Glance

Extrusion Screw Chases

Pull out strengths and the new equations based on 150 tests performed with pull out values ranging from 660 to 2,500 lbs.

Flexural Strengths

Simplification to design of aluminum members in flexure and compression.

Block Shear Strengths

More accurate method of determining the block shear strength of a bolted connection.

Welded Base Metals and Weld Fillers

Weld affected tensile ultimate and tensile yield strengths of base and filler metals were tested. Expanded tables for post-weld heat treatments for 6005A and 6016 alloys were also provided.

Loads on Flanges and Webs

Updated the web crippling strength for extruded shapes by making the calculations more liberal, thus benefitting the aluminum fabricator.

A big thanks to **MARK MARCHI, P.E. AT RICE ENGINEERING**, for pulling all this information together to share in our newsletter. Take a look at Rice Engineering's impressive portfolio of design and many areas of expertise at rice-inc.com.



Spotlight Project

Brown County STEM Innovation Center Green Bay, WI

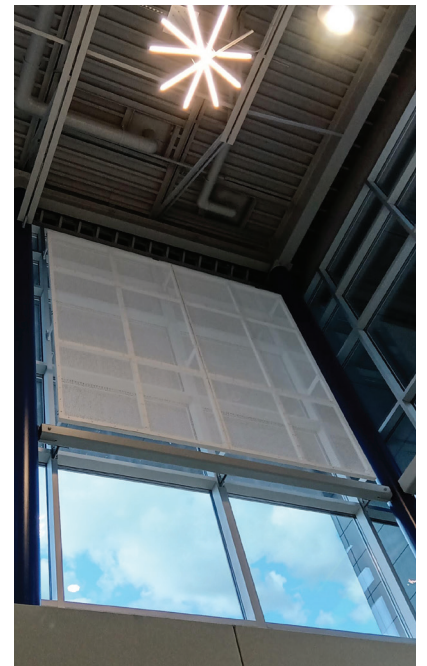
Custom Aluminum Interior Screen



AGS PROUDLY PROVIDED THIS CUSTOM, INTERIOR MOUNTED SUNSCREEN SYSTEM for the Brown County STEM Innovation Center. To give the illusion of “floating in space”, we attached to the curtainwall system with customized welded brackets. In mimicking the shape and spacing of the window system and showcasing the steel cross beam pattern, these shades also feature “STEM” disciplines, working together on both functional and aesthetic levels. A combination of 2” x 2” square tubes and 1” x 2” rectangular tubes were used to achieve a congruent overall 2” x

2” tube frame “appearance” while splitting into manageable segments for ease of installation. Each frame was finished with a custom, perforated aluminum panel displaying alternating 1’ and 2” borders to maintain continuity. The system diffuses sunlight entering south facing windows, thus reducing glare while allowing for maximum utilization of natural light.

— **ERIN M. MCGINTY** Project Manger
SOMERVILLE, INC. Architect
CORCORAN GLASS & PAINT, INC. Contractor



TOP 10 QUESTIONS

YOU SHOULD BE ASKING YOUR ALUMINUM SUNSHADE MANUFACTURER



01

DO YOU INCLUDE FABRICATION OF SUNSHADES?

With AGS you do not have to cut to size in the field. Sunshades arrive fully assembled and ready to install.

02

DO YOU INCLUDE ENGINEERING?

Engineering Calculations are included in the price of all of our sunshades, Grilles, Trellises & Light Shelves.

03

DO YOU OFFER WOODGRAIN FINISHES?

AGS has 15 standard textured powder coated woodgrain finishes.

04

WILL YOU WORK WITH US ON A MUTUALLY AGREED SCHEDULE?

Absolutely, when all the pertinent timelines are discussed up front it is so much easier to navigate a time sensitive completion date.

05

IS HARDWARE INCLUDED?

Yes, all sunshade hardware is included. Mounting hardware to the structure is the customer's responsibility. Although, engineering calculations include recommended hardware.

06

CAN YOU SHIP BRACKETS EARLY?

All our brackets ship early to our customers to ensure proper field dimensioning and easier installation.

07

DO YOU HAVE WELDING CAPABILITIES?

Yes, depending on the finish chosen and your design, we can make almost any idea a reality where standard hardware is not an option.

08

DO YOU HAVE AN IN-HOUSE PROJECT MANAGEMENT TEAM?

Yes, our project management team is based in house, and is always available for questions or meetings.

09

ARE YOUR SUNSHADE FINISHES COVERED BY A WARRANTY?

Our Kynar finishes are covered by a (10) year warranty and our anodized finishes are covered by a (5) year warranty. Materials are covered by a one-year warranty. Longer warranties are available upon request.

10

HOW CAN WE BE SURE YOUR SUNSHADES WILL BE EFFECTIVE AND INSTALLED IN THE APPROPRIATE LOCATIONS OF OUR PROJECT?

AGS, Inc. will provide a solar study if requested, to ensure your sunshades are designed properly and will perform at their maximum potential.

2021 Resolutions

With 2020 almost behind us (Whew), it's a great time to gear up for the new year. Here are some good ideas for taking charge of what you CAN control and improve on in 2021.

TAKE CONTROL OF YOUR HEALTH

Remember to start small with exercise and work your way up. Focus on adding "good" foods and plenty of water instead of depriving yourself.

INVEST IN YOUR RELATIONSHIPS

Call at least 3 family members and/or friends each week, or pick someone monthly to do a random act of kindness for.

READ MORE BOOKS

people who read for pleasure have and a greater ability to cope with difficult situations. [Check out this study.](#)

START JOURNAL WRITING

Journaling has [numerous benefits](#). Some of the most successful people in the world talk about how journaling plays a critical part in their daily routines.

GET ORGANIZED

Being more organized can improve your productivity, save you time, and just improve the overall quality of your life.

TAKE CONTROL OF YOUR FINANCES

Whether your goal is to get out of debt, build your savings, or create a strong investment portfolio you need a goal and a plan to hit it. Try [Dave Ramsey's Financial Peace University](#).

VOLUNTEER

Believe it or not, there are volunteer opportunities that don't require an "in person" commitment. If you're not sure where to start, head on over to [volunteermatch.org](#) to find local opportunities near you.



Meet our Spotlight Employee Joe Molony

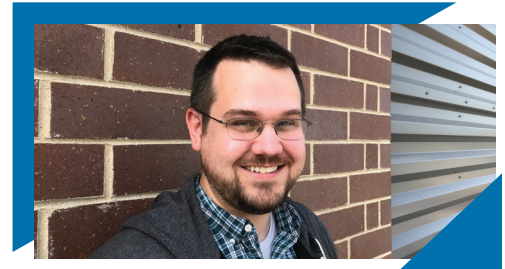
JOE "MO MONEY" MOLONY RESPONDED TO AN INDEED AD for employment with AGS, Inc. about 2-1/2" years ago. What he thought was a drafting position, in just a few short months, quickly evolved into a "hit the ground running" project management position. Years ago, Joe really enjoyed a job which also started out as a drafting position. It slowly morphed into not only drafting, but also assisting clients and calculating estimates and doing take offs. "I really enjoyed the architectural side of drafting and design as well as the other tasks involved", he remembers. Joe's eagerness to learn all aspects of the industry made him a perfect fit for the AGS, Team.

On to the good stuff ... Joe and his wife Jayne met years ago, while working together at Dominick's. She was a cashier and he was her bagger – and the rest was history. Since then, they have been happily ever after with

their 3 boys, Richie (15) who just built his own PC, Joey (11) who enjoys fishing and the skate park, and T.J. (7) a fellow angler who also loves Legos, puzzles and all things "Marvel".

Besides pretending to enjoy Sarah B's Madonna music station all day, Joe enjoys all genres of music "except for country", he

says. When Joe is not project managing, fishing with the boys, or being "goofy but fun dad" he likes to dig into some home renovating projects. Joe recently completed a new basement bath in their home. One of Joe's recent AGS projects he really enjoyed working on was the Trident Office Building in Gainesville, TX.



Trident Office Building

Merry Christmas

AND HAPPY NEW YEAR

FROM ALL OF US AT AGS, INC.

& AGS DRAFTER SHERRICKA SMITH'S

"SLEEPY LIL' ELF", LIAM | PICTURED - 4 MOS. OLD

