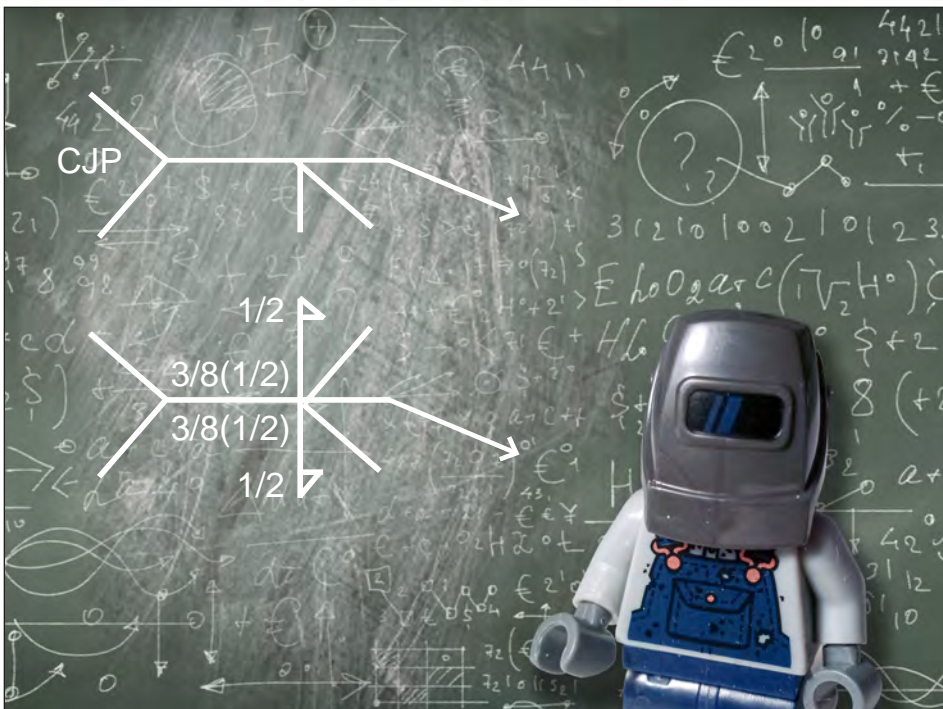




RTS specializes in providing weld inspections, mappings, and condition assessment services to the tower & pole industries



In the photo above, the lower symbol is an example of a monopole base plate stiffener prepared to receive a double bevel groove CJP weld, while the top symbol shows a monopole base plate footpad single bevel groove PJP weld.

What Is That Weld Symbol?

Continuing our series on weld symbols, in this newsletter we are going to discuss groove welds. Per AWS A3.0, a groove weld is defined as a weld in a weld groove on a workpiece surface, between workpiece edges, between workpiece surfaces, or between workpiece edges and surfaces. Groove welds can be single or double. Further, groove weld joint configurations can be square, scarf, V, bevel, U, J, flare-V, or flare-bevel. A groove weld can be a partial joint penetration (PJP) weld or a complete joint penetration (CJP) weld. The bevel groove weld variety is very common in structural steel fabrication and is often used in the tower business

for new tower construction and field modifications. While more expensive to install than fillet welds, typically a bevel groove weld provides the designer more capacity in the connection.

Remember, AWS A2.4 provides for the graphical representation of welds and is a useful reference document for anyone working with weld symbols. The top weld symbol in the image above designates a single bevel groove CJP weld to be installed on the arrow side of the joint. The lower weld symbol designates a double bevel groove PJP weld to be installed on the arrow side and opposite side of the joint, respectively. The symbol requires a 3/8" depth of bevel with a 1/2" groove weld on both sides with a reinforcing fillet weld of 1/2" in size also on both sides.

Similar to the fillet weld symbol, the horizontal line of the weld symbol is called the reference line. The vertical line and sloped line originating from the reference line designates a bevel groove weld. The arrow connecting to the reference line points to

the arrow side of the joint. An added black flag at the intersection of the reference line and arrow designates field welding. Additional information can be specified by the engineer in terms of depth of bevel, groove weld size, bevel angle, and root gap. The tail of the weld at the end of the horizontal reference line may also include supplemental information as specified by the engineer. Remember, if a weld symbol is unclear call the engineer for clarification before welding. □



Making Predictions: NATE's Members Weigh In On Issues

Whiteboard Animation Video Illustrates the Impact on Safety and Quality Caused by Unsustainable Pricing

The Communications Infrastructure Contractors Association has launched a powerful whiteboard animation video illustrating the negative impact to safety and quality that current pricing pressures are imposing upon contractor firms by top wireless carrier, turf vendor, and tower owner customers. As a result, some of these small businesses have had to close their doors at a time when there is already a shortage of qualified contractors required to ensure that America wins the race to 5G.

The video highlights the many problems associated with the current below-market matrix pricing model employed by the industry's Tier One customers that are not based upon the true material, equipment, and manpower costs, in addition to the ever-increasing administrative and technical needs that professional contractors require to be compensated for to remain sustainable.

Also, the whiteboard points out the additional costs contractors have to absorb such as free warehousing, long payment terms, burdens associated with the shifting of liability, and not being able to mark up any additional materials.

The video also emphasizes that in today's taxed workforce environment, tower technicians should be compensated for their skill-sets and knowledge, and if not they will seek other professional opportunities.

"The video's key points are not anecdotal, but are truly representative of the concerns of every one of our more than 500 contractor members in the United States," said NATE President & CEO Todd Schlekeway. □



To view the video copy the url and paste www.youtube.com/watch?v=YNOUNcWKeAKg&t=2s

Reader's Frequently Asked Questions

Do I need to have my fields closed to perform a sports lighting inspection?

No, your fields can stay open and normal activities can continue. RTS' inspection teams are very non-intrusive and used to working in environments where students, faculty and visitors may be present.

What is a pole mapping for upgrade (PMU)?

A PMU is a focused, snapshot in time mapping of only the areas of a pole (foundation, base plate, anchor rods, shaft) that require upgrade per the provided structural analysis (SA). Goal is to identify open areas for reinforcement and obstructions such as handhole frames, antenna mounts, and existing upgrade members. □



Wise Men Still

Seek Him

Merry Christmas and Happy New Year!

Wishing you and your loved ones the best of peace, health, and prosperity in this Joyful Christmas Season. Enjoy this time in its fullest. Merry Christmas and Happy New Year from Brian Reese, Cody Reese, Shelby Reese, and Scott Dolash! □



Las Vegas to Welcome NATE Unite 2022

NATE UNITE 2022 is widely regarded as the premier conference and trade show in the wireless and broadcast infrastructure industries focused on safety. The lineup consists of an impressive array of educational sessions, networking receptions, luncheons, optional courses, 5K Fun Run/Walk, and speakers. Additionally, the interactive and vibrant exhibit hall bustles with activity from stakeholders representing every layer of the industry.

Enjoy hands-on access to the latest products and technology being showcased by top industry manufacturers, distributors and consultants in the broadcast and telecommunications tower erection, service and maintenance industry.

In February, Las Vegas will welcome NATE UNITE 2022.

The event is the place to be and the place to interact with key decision-makers in the broadcast and telecommunications tower erection, service and maintenance industry. Displays will vary from service providers to manufacturers of industry-related products..

Don't let your company miss this opportunity to gain exposure.

"This is the place where NATE UNITE will carry on the 27-year tradition of networking and where all aspects of the wireless ecosystem come together to continue to improve methods, standards, and training with an emphasis on safety.

Rebranded in 2020 as "The Communications Infrastructure Contractors Association" we are growing and moving with new technological

advances at the speed of wireless, while recognizing the foundation of our industry, the wireless communications tower.

NATE UNITE 2022 will host professionals that design, build, maintain, and deploy wireless infrastruc-



ture technologies for our Nation. At NATE UNITE 2022 we will have speakers and educational sessions representing technology, partners in regulation, carriers, vertical owners, rural broadband and most importantly the safety of the workers involved.

NATE members volunteer thousands of hours each year to NATE's

mission of safety and education. The NATE UNITE 2022 trade show floor will offer many opportunities to promote the safety of our most cherished asset, our workforce! I encourage everyone to add a twist of safety to whatever conversation in which you happen to be engaged. Also, if you are not a member of NATE, please feel free to talk to any current member and we will be glad to visit with you on the benefits associated with being part of the communications infrastructure of this nation! From direct current to light, it is all about energy through the air, wire, or glass!

~ Jimmy Miller, NATE Chairman

RTS' Brian Reese will be speaking alongside other industry experts at Educational Session Five on topics related to the TIA 222, TIA-322, and A10.48 Standards.

Reese's MINIATURES

IN



MINI FROM DRUMS, P-A PA, RUM-PA-PUM- PUM

A BRIAN REESE PRODUCTION

WE COME FROM DRUMS, P-A,
BA, RUM-PA-PUM, PUM
INSPECT YOUR WELDS YOU'LL SEE,
PA, RUM-PA-PUM, PUM



OUR STAFF'S ACCREDITED,
PA, RUM-PA-PUM, PUM

WE'RE CER-TI-FIED WITH DRONES,
PA, RUM-PA-PUM, PUM

RUM-PA-PUM, PUM,

RUM-PA-PUM, PUM

(RUM-PA-PUM, PUM)



OUR TEAM WORKS 'ROUND YOUR STAFF, PA, RUM-PA-PUM, PUM
YOUR POLES REMAIN UPRIGHT, PA, RUM-PA-PUM, PUM



TO GET A CUSTOM QUOTE,
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BRIAN'S
NODDING...

PA, RUM-PA-PUM, PUM
WE GET WORK DONE ON TIME,
PA, RUM-PA-PUM, PUM
OUR SUITE OF SERVICES,
IS SECOND TO NONE...

The **LITTLE
DRUMMER BOY**

RUM-PA-PUM, PUM,

RUM-PA-PUM, PUM

(RUM-PA-PUM, PUM)



REESE TOWER SERVICES, BEATING THE COMPETITION

"The Little Drummer Boy" was originally known as "Carol of the Drum" The popular Christmas song was written by Katherine Kennicott Davis in 1941 and first recorded a decade later.

Like the Holiday Classic, RTS has become a standard. Recognized as an industry leader and expert in ground-based and aerial inspections, RTS' approach is timeless.

For more information on our weld inspections, mappings, and condition assessments visit us on Facebook, LinkedIn, or at: reesetowerservices.com

WORDS & PICTURES by Scott and Kari Dolash

CALL OR EMAIL, CALL OR EMAIL
PA, RUM-PA-PUM, PUM