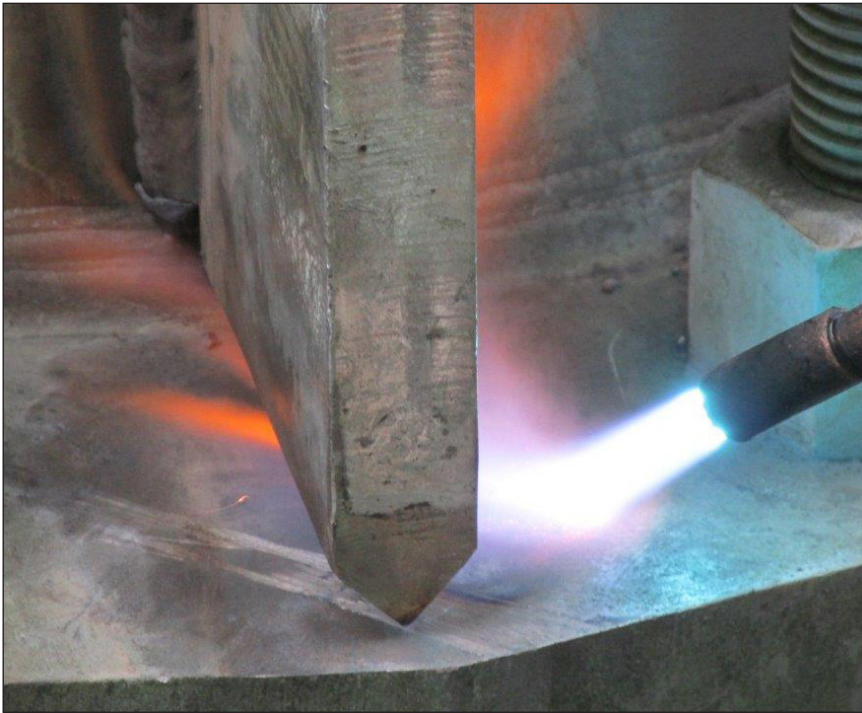


# Reese's

## PIECES

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

## CJP Weld vs PJP Weld Connections?



**W**hat's the difference between a CJP weld and a PJP weld? A CJP or complete joint penetration weld is a connection that consists of all weld material in the cross section of the connection. In other words, the joint is 100% completely welded. A PJP or partial joint penetration weld is a connection that is not completely welded through the cross-section of the joint. The welded portion of the joint is less than 100%. With more weld material, CJP welds are typically stronger than PJP welds. The engineer specifies a CJP vs a PJP connection based on the loading of the connection and the required strength. Engineers should also account for the fabrication costs when determining the penetration of the joint - is a CJP really required?

Why is differentiating between the connections important for a welder? If the welder installs a PJP instead of a CJP weld, it is likely that the engineer will not accept this. Why is differentiating between the connections important for a weld inspector? The only way to confirm that a joint is a CJP as specified is to perform ultrasound non-destructive testing of the connection. In-process or during weld inspections is also critical to verify joint fit-up, root gap, bevel angle, and backing details for CJP welds connections. □



Above: **RTS** welcomed it's newest climber on June 14th. Amelia Lucille Grant weighed 7 ½ lbs and was 20 ½" long; proud parents Trevor Grant and Shelby (Reese) Grant.

## Watch and Share the Telecommunications Industry Foundation (TIF) Safety Climb Series - Part 1 Video

TIF released Part 1 of their Safety Climb Video Series in conjunction with NATE: The Communications Infrastructure Contractors Association. Safety climb systems allow us to safely work at elevation. We are all responsible to be good stewards and to care for these systems. □

To view the TIF video copy the url and paste: [www.youtube.com/watch?v=bBSI\\_7U\\_Blw](https://www.youtube.com/watch?v=bBSI_7U_Blw)



## NATE and Valmont's 2nd Annual NATE UAS EXPO

**Reese Tower Services** attended the NATE UAS Expo which occurred on June 6th at Valmont's facility in Valley, NE. NATE members, telecom industry stakeholders, and drone enthusiasts from all over the country gathered to attend this unique industry event. The Expo hosted networking events, exhibitions, demonstrations, and experiments/testing to further the industry's understanding of the benefits and applications of UAS operations in our industry. Attendees explored asset management and the

impact drones are making on America's critical infrastructure. Experts and educational panels discussed all aspects of drone technology. A crowd favorite was the drone crash-testing consisting of various drone models impacting communications antennas. While the drones did not fare well, the communication antennas came out unscathed! □

Photo Right: RTS UAS pilots Devin Reed (left) and Cody Reese (right).



# Reese's MINIATURES

IN

## MISSION POSSIBLE: ELIMINATING TOE CRACK



A BRIAN REESE PRODUCTION

A PENNSYLVANIA TOWER ENGINEERING FIRM UNDER THE DIRECTION OF ITS CHARISMATIC POINT MAN, BRIAN REESE, IS RESPONSIBLE FOR THE DISCOVERY, DIAGNOSIS, AND ELIMINATION OF THE INSIDIOUS AND HIDDEN FLAWS PREVALENT TO AN INDUSTRY.

WE JOIN AGENT REESE NOW AS HE SELECTS HIS TEAM AND PREPARES FOR HIS MOST CHALLENGING ASSIGNMENT YET.



"GOOD MORNING MR. REESE."

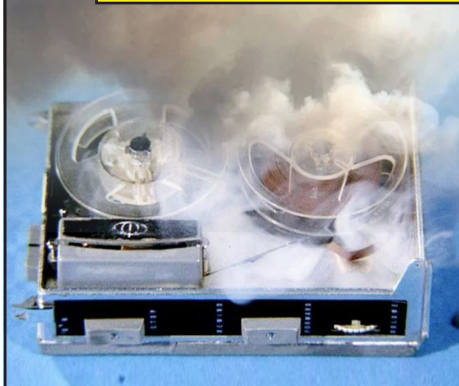
"THE CHALLENGE TODAY IS TOE CRACK - A RISK TO VERTICAL ASSETS NATIONWIDE."



"YOUR MISSION, SHOULD YOU CHOOSE TO ACCEPT IT, IS TO SEEK, IDENTIFY, AND DO WHATEVER NECESSARY TO ELIMINATE IT."

AS ALWAYS, SHOULD YOU OR ANY OF YOUR TEAM AT RTS BE HARMED OR CAPTURED, THE SECRETARY WILL DISAVOW ANY KNOWLEDGE OF YOUR ACTIONS.

"THIS RECORDING WILL SELF-DESTRUCT."



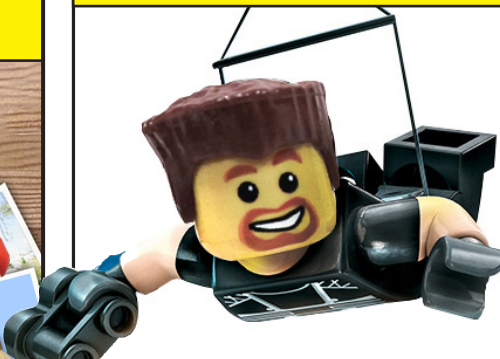
"GOOD LUCK MR. REESE."



THE BUSINESS OF INSPECTING TOWERS IS A REWARDING ONE, BUT AGENT REESE HAS LEARNED TO DO THE JOB RIGHT REQUIRES WORKING WITH ONLY THE BEST.



"AGENT REESE, I CAN SEE YOU HAVE MADE YOUR CHOICES. ONCE AGAIN, WELL DONE."



"JUST ONE MORE THING..."

"GREET YOUR NEWEST TEAM MEMBER."



WORDS & PICTURES by Scott and Kari Dolash