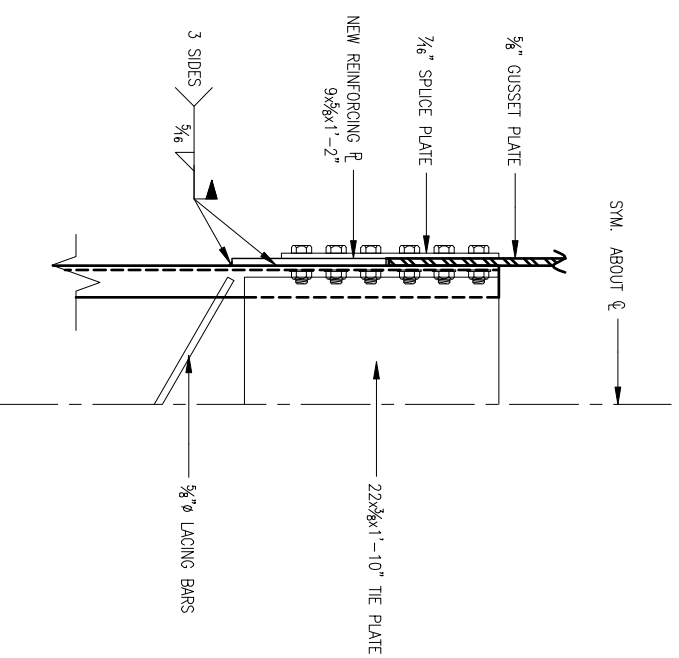


A ELEVATION
SCALE: 1/4"=1'-0"

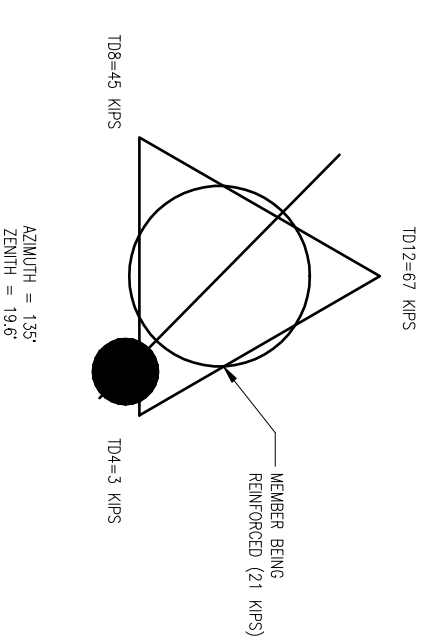


1 SECTION
SCALE: 1 1/2"=1'-0"

U3-L4 RECOMMENDED REINFORCEMENT PROCEDURE

1. THIS PROCEDURE ASSUMES THAT ONE REINFORCEMENT PLATE AT THE CONNECTION IS INSTALLED PRIOR TO THE INSTALLATION OF THE NEXT PLATE. AT NO TIME SHOULD BOLTS IN BOTH SIDES OF THE CONNECTION BE LOOSE AT THE SAME TIME.
2. FIELD MEASURE AND PRODUCE A TEMPLATE FOR DRILLING CONNECTION HOLES IN PROPOSED REINFORCEMENT PLATES.
3. POSITION THE AZIMUTH FEED ARM AND DOME SO AS TO PRODUCE LEAST FORCE IN MEMBER BEING REINFORCED. SEE ATTACHED DIAGRAM.
4. FABRICATE REINFORCEMENT PLATE INCLUDING DRILLING OF HOLES.
5. POSITION ARM AND DOME AS IN STEP 3 ABOVE.
6. REMOVE BOLTS ONE AT A TIME AND REPLACE WITH NEW 1" A325 BOLTS.
7. REMOVE EXISTING SPLICE PLATE AND FILLER PLATE FROM CONNECTION. INSTALL NEW REINFORCING PLATE AND REPLACE SPLICE PLATE. FINGER TIGHTEN BOLTS PRIOR TO WELDING.
8. WELD NEW REINFORCING PLATE TO EXISTING C10 AS SHOWN.
9. TIGHTEN ALL BOLTS PRIOR TO START OF NEXT REINFORCING.
10. REPEAT FOR OTHER SIDE OF CONNECTION.

CONFIGURATION SHOWN IS FOR TD4 NORTH. CONFIGURE OPPOSITE HAND FOR TD4 SOUTH. PROVIDE SIMILAR CONFIGURATIONS FOR TD8 AND TD12.



NOTE: PLATES SHALL CONFORM TO ASTM A588.

NATIONAL ASTRONOMY AND IONOSPHERE CENTER
CORNELL UNIVERSITY
ARECIBO RADIO OBSERVATORY

PROPOSED U3-L4 REINFORCEMENT

A M A N N I W H I T N E Y

CONSULTING ENGINEER, NEW YORK, NY

DRAWN BY: VA	APPROVED	DATE: 06/07/2010
DESIGNED BY: JS		SCALE: AS NOTED
CHECKED BY: JC		DWG. NO. SK-5