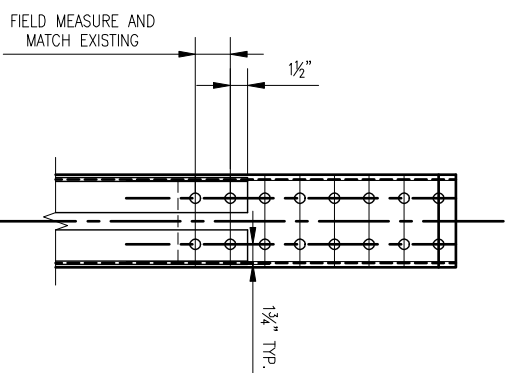
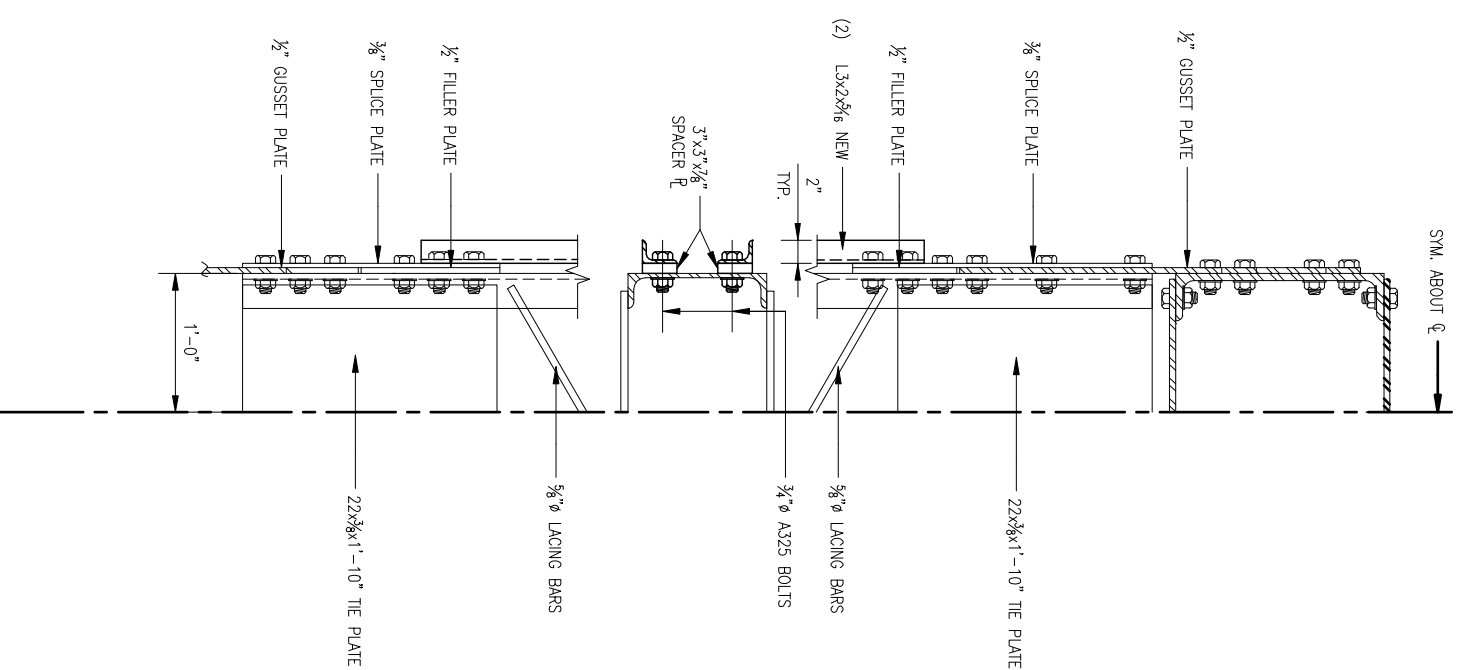


A ELEVATION
SK-4 SCALE: 1/2"=1'-0"



2 DETAIL
SK-4 SCALE: 1/2"=1'-0"

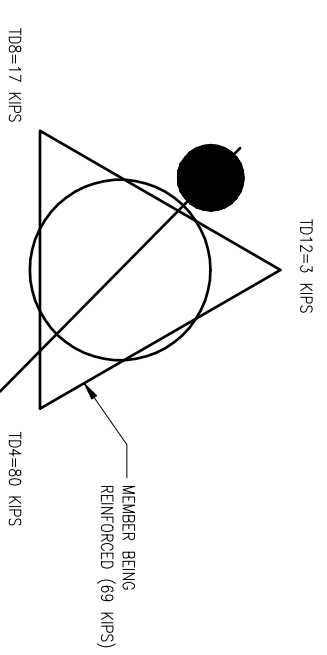


1 SECTION
SK-4 SCALE: 1/2"=1'-0"

U2-L2 RECOMMENDED REINFORCEMENT PROCEDURE

1. THIS PROCEDURE ASSUMES THAT ONE REINFORCEMENT ANGLE AT EACH JOINT IS INSTALLED PRIOR TO THE INSTALLATION OF THE NEXT ANGLE. 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 UPPER AND LOWER CONNECTION HOLES IN PROPOSED REINFORCEMENT ANGLES.
3. POSITION THE AZIMUTH FEED ARM AND DOME SO AS TO PRODUCE LEAST FORCE IN MEMBER BEING REINFORCED. SEE ATTACHED DIAGRAM.
4. FABRICATE REINFORCEMENT ANGLE INCLUDING DRILLING OF HOLES.
5. POSITION AZIMUTH ARM AND DOME AS IN STEP 3 ABOVE.
6. AT THE TOP AND BOTTOM CONNECTIONS REMOVE BOLTS ON ONE SIDE ONE AT A TIME AND REPLACE WITH NEW 1" Ø A325 BOLTS. INSURE THAT BOLTS ARE LONG ENOUGH TO ALLOW INSTALLATION OF A WASHER AND NUT WHEN THE REINFORCEMENT ANGLE IS INSTALLED. TO INSURE AGAINST LOSS OF BOLTS, INSTALL A NUT ON EACH BOLT FINGER TIGHT.
7. INSTALL NEW ANGLE AND NUTS.
8. REPEAT FOR OTHER ANGLES.
9. INSTALL INTERMEDIATE 3/4" Ø A325 FIELD BOLTS WITH SPACERS.

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



NOTE: PLATES AND ANGLES SHALL CONFORM TO ASTM A588.

NATIONAL ASTRONOMY AND IONOSPHERE CENTER
CORNELL UNIVERSITY
ARECIBO RADIO OBSERVATORY

PROPOSED U2-L2 REINFORCEMENT

A M A N N I W H I T E 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-4