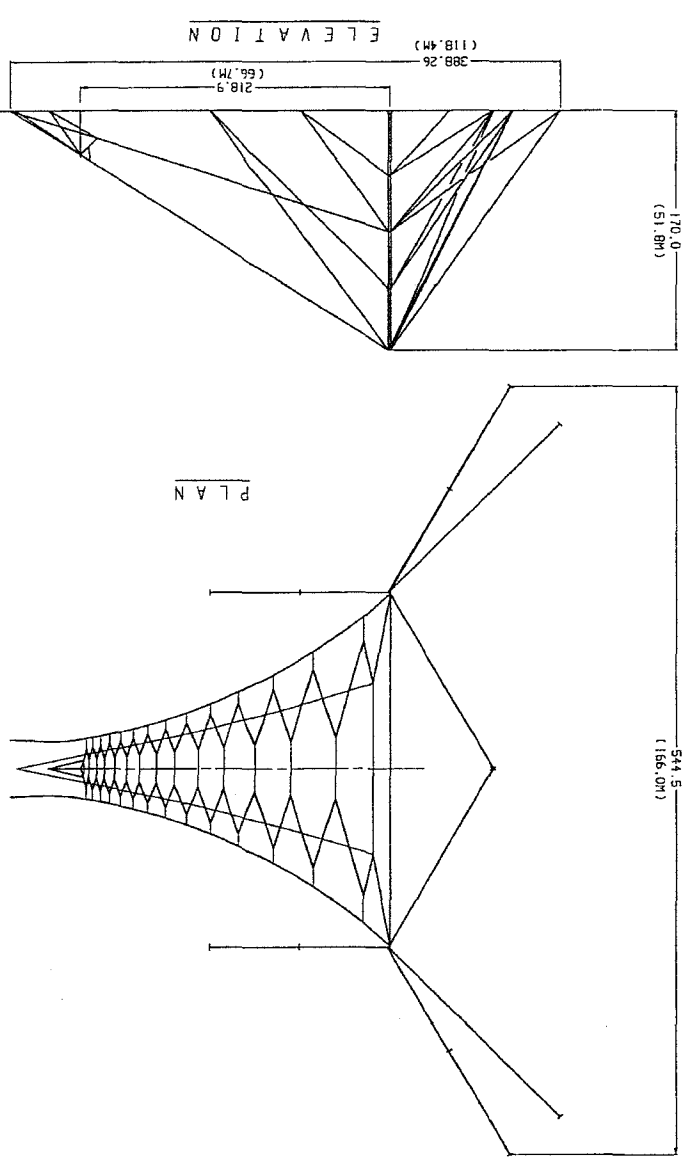


# PRELIMINARY



- GENERAL NOTES:**
1. TOWER BASES SHALL BE AT THE SAME ELEVATION. THE CURTAIN CONNECTION POINTS RESPECT TO DRAWING ELEVATION 0.0 AT THE TOWER BASES. IF THE SITE IS NOT LEVEL CONSULT TCI ENGINEERING.
  2. GUY WIRES HAVE AN ADDITIONAL 6% LENGTH FOR ANCHOR LEVEL VARIATIONS.
  3. SOIL BEARING PRESSURE - 3 KSF. ASSUMED WEIGHT OF SOIL - 100 LBS/CU. FT.
  4. CONCRETE F.C. - 3000 PSI IN 28 DAYS ALLOW CONCRETE TO CURE FOR A MINIMUM OF 72 HOURS BEFORE INSTALLING TOWERS.
  5. FOUNDATION DESIGN LOADS SHOWN ARE BASED ON 140 MPH (225 KPH) WIND AND 90 MPH (145 KPH) WIND AND 1/2 INCH (13MM) RADIAL ICE.
  6. COAT ANCHOR ROD EXPOSED FROM CONCRETE WITH ROOFING TIA ON CO. BEFORE BACKFILLING CONCRETE OR ENCASE ANCHOR RODS WITH CONCRETE AS SHOWN.
  7. INITIAL TENSION SHOWN FOR GUYS IS THE TENSION APPLIED WITH THE CURTAIN INSTALLED AND THE TOWER PLUMB. (SEE NOTE 10A AND 10B)
  8. TOWER INSTALLATION INSTRUCTIONS:
    - (A) ASSEMBLE TOWER AS SHOWN ON SHEET 6.
    - (B) CONNECT TOWER SECTIONS. GUY BRACKETS AND GUYS AS SHOWN ON SHEET 6 AND 7.
    - (C) INSTALL TOWERS AND GUYS AS SHOWN ON SHEETS 7 AND 8.
    - (D) TENSION ALL GUYS AS SHOWN ON SHEET 8 EXCEPT FOR THE GUYS AT ELEV. 5.86.02 AND 170.02. (SEE NOTE 10A AND 10B)
    - (E) DO NOT COMPLETELY WRAP GUY GRIPS UNTIL AFTER FINAL ADJUSTMENT AND TENSIONING.
  9. CURTAIN ASSEMBLY INSTRUCTIONS:
    - (A) UNCOIL THE UPPER CATERMILLERS. POLE END FIRST.
    - (B) THE FEEDLINE/RADIATOR ASSEMBLIES ARE PACKED IN THE BOX WITH THE POLE END UP. STARTING FROM THE POLE. UNCOIL THE FEEDLINE/RADIATOR ASSEMBLIES FOR THE UPPER CURTAIN. CHECK TO SEE THAT THE PAINT STRIPE ON THE WIRE IS IN A STRAIGHT LINE AND DOES NOT TWIST AROUND THE WIRE. CONNECT THE INNER AND OUTER RADIATORS AND DROP WIRES AS REQUIRED. SEE SHEET 9.
    - (C) ALUMINA INSULATORS (ITEM 193) SHOULD BE FREE TO ROTATE. DO NOT OVER TORQUE NUTS/BOLTS AND CRUSH THE INSULATORS.
    - (D) INSTALL BACK RADIATOR AS SHOWN ON SHEET 7 AND 9.
    - (E) INSTALL REFLECTOR AS SHOWN ON SHEETS 7 AND 9.
    - (F) INSTALL UPPER CURTAIN PER NOTE 10. REPEAT PROCESS FOR LOWER CURTAIN.
    - (G) CURTAIN INSTALLATION SEQUENCE:
      - (A) APPLY 200 POUNDS TENSION TO TOP TOWER GUYS BEFORE STARTING TO RAISE THE CURTAIN ASSEMBLY. THE TOWER IS TO REMAIN PLUMB +/- 4 INCHES AFTER FINAL TENSIONING.
      - (B) WHEN HOISTING THE CURTAIN TO THE TOWER, ALL MEMBERS ATTACHING TO THE TOWER MUST BE RAISED TOGETHER AT BOTH TOWERS SIMULTANEOUSLY. CONNECT TOWER 1 FIRST THEN TOWER 2.
      - (C) RAISE AND ATTACH FEEDLINES TO THE FRONT POLE WITH POLE GUY IN PLACE. CURTAIN MEMBERS WILL HAVE SOME TENSION DUE TO THE DEAD WEIGHT OF THE CURTAIN. THIS TENSION IS NOT THE INITIAL TENSION SHOWN ON THE DRAWING AND WILL CHANGE WHEN THE CURRENT CONNECTIONS ARE COMPLETED. INITIAL TENSIONS SHOWN ON THE DRAWING ARE APPLIED WITH ALL CURTAIN MEMBERS ATTACHED. (SEE NOTE 10D)
  10. CURTAIN INSTALLATION SEQUENCE:
    - (A) APPLY 200 POUNDS TENSION TO TOP TOWER GUYS BEFORE STARTING TO RAISE THE CURTAIN ASSEMBLY. THE TOWER IS TO REMAIN PLUMB +/- 4 INCHES AFTER FINAL TENSIONING.
    - (B) WHEN HOISTING THE CURTAIN TO THE TOWER, ALL MEMBERS ATTACHING TO THE TOWER MUST BE RAISED TOGETHER AT BOTH TOWERS SIMULTANEOUSLY. CONNECT TOWER 1 FIRST THEN TOWER 2.
    - (C) RAISE AND ATTACH FEEDLINES TO THE FRONT POLE WITH POLE GUY IN PLACE. CURTAIN MEMBERS WILL HAVE SOME TENSION DUE TO THE DEAD WEIGHT OF THE CURTAIN. THIS TENSION IS NOT THE INITIAL TENSION SHOWN ON THE DRAWING AND WILL CHANGE WHEN THE CURRENT CONNECTIONS ARE COMPLETED. INITIAL TENSIONS SHOWN ON THE DRAWING ARE APPLIED WITH ALL CURTAIN MEMBERS ATTACHED. (SEE NOTE 10D)
  11. AFTER FINAL TENSIONING, MAKE SURE THAT ALL DEAD END GUY GRIPS HAVE BEEN COMPLETELY WRAPPED AND ALL TURNBUCKLES SAFETY WIRED.
  12. ATTACH BALLUN AS SHOWN ON THE APPROPRIATE BALLUN INSTALLATION DRAWING.

**WARNING!!**

--DO NOT PROCEED BEFORE READING--

INSTALLATION OF THIS ASSEMBLY REQUIRES HIGHLY SPECIALIZED SKILLS AND EXPERIENCE. THIS DRAWING AND THE INSTRUCTIONS WITHIN ASSUME THAT PERSONNEL INVOLVED HAVE THESE SKILLS AND ATTEMPT TO INSTALL THIS ASSEMBLY WITHOUT THESE SKILLS AND EXPERIENCE. TCI CAN ASSUME NO LIABILITY IF FAULTY OR DANGEROUS INSTALLATION PRACTICES ARE USED. TCI HAS FACTORY TRAINED PERSONNEL TO ASSIST IN INSTALLATION, MAINTENANCE OR DISASSEMBLY. PLEASE CONTACT YOUR TCI REPRESENTATIVE IF CONSULTATION OR ASSISTANCE IS REQUIRED.

SEE SEPARATE PARTS LIST

TITLE: ANTENNA INSTALLATION PROJECT NO.: 196-ANT-001 MODEL: 527-3 6.2 TO 30 MHZ		SHEET NO.: 1 OF 10 DATE:	
TCI TECHNOLOGY FOR COMMUNICATIONS INSTALLATIONS 10725 W. 24th Avenue, Suite 100, Denver, CO 80231		DRAWN BY: [Signature] CHECKED BY: [Signature] DATE: 24 JUNE 94	
PARTS LIST		QUALITY CONTROL	
DESCRIPTION		TCI PART NUMBER	

196-ANT-001

REV	DESCRIPTION	DATE	APPROVED
1			
2			
3			