
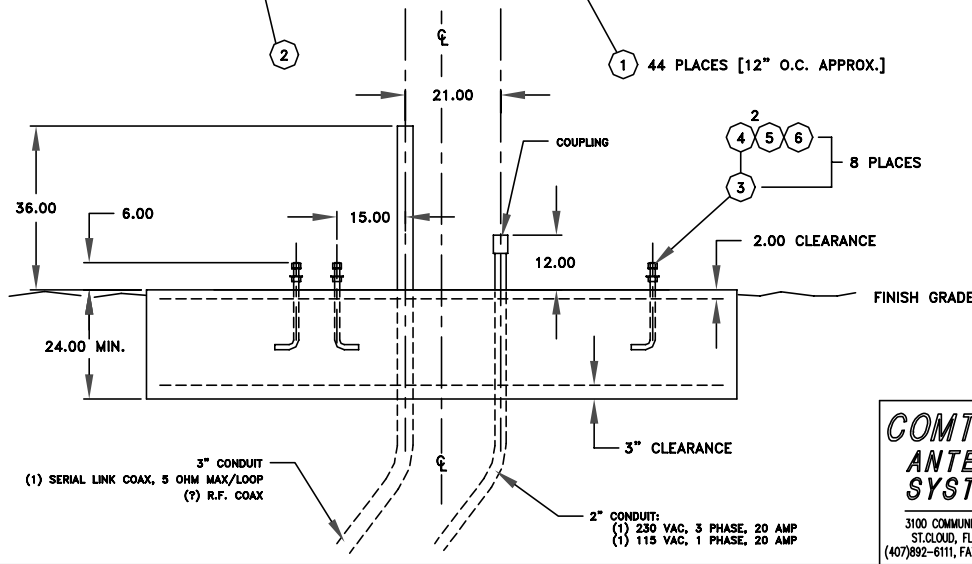
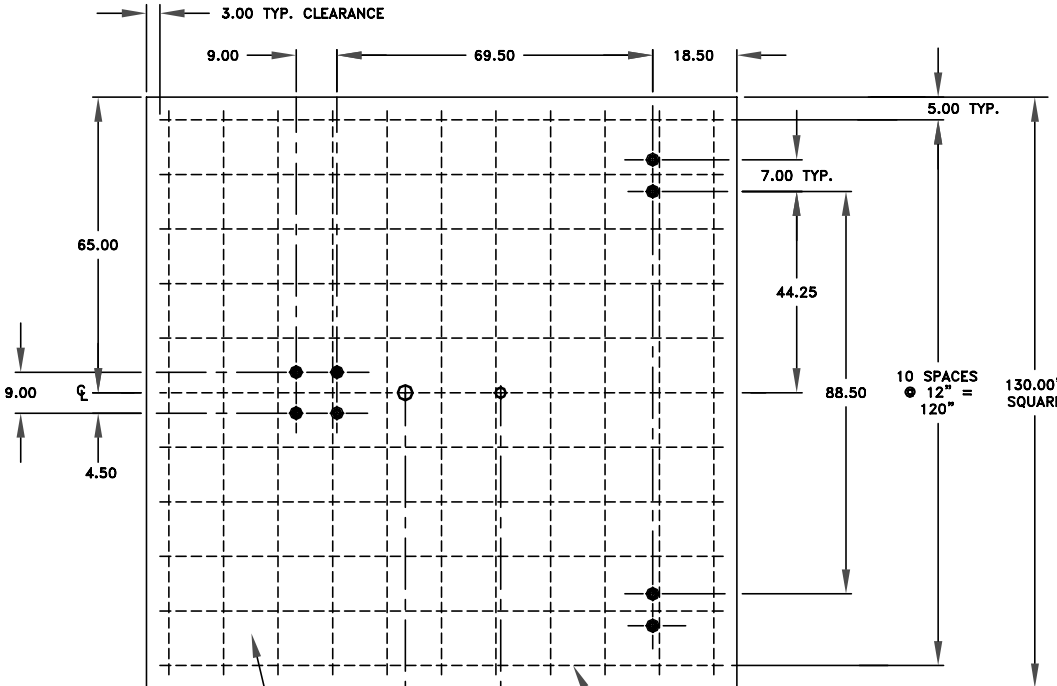


**TOLERANCES**  
 UNLESS OTHERWISE SPECIFIED:  
 ALL DIMENSIONS SHOWN ARE IN INCHES.  
 X = ±.06    FRAC. = ±1/64  
 XX = ±.03  
 XXX = ±.01    DEGREE = ±

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**COMTECH ANTENNA SYSTEMS**  
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EQUATOR   
 [NOTE 9]



**NOTES:**

- 1 - THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS IN ACCORDANCE WITH ACI-318
- 2 - THE REINFORCING STEEL SHALL BE ASTM A305 GRADE 40 DEFORMED BARS.
- 3 - REINFORCING STEEL SHALL BE CLEANED BY WIRE BRUSHING OR OTHER SUITABLE MEANS TO REMOVE RUST OR SCALE.
- 4 - CONCRETE SHALL BE PLACED ON UNDISTURBED SOIL, IN THE EVENT OF OVERCUTTING, THE EXCAVATION SHALL BE BACK FILLED IN 6 INCH LIFTS AND SHALL BE COMPACTED TO MAXIMUM DENSITY AT 95% OPTIMUM MOISTURE CONTENT.
- 5 - FRAMEWORK IS NECESSARY FOR THE TOP 12 INCHES ONLY UNLESS UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, IN WHICH CASE FRAMEWORK WILL BE REQUIRED FOR THE FULL DEPTH.
- 6 - THE CONCRETE SHALL BE CURED BY COVERING WITH BURLAP AND KEEPING DAMP FOR 3 DAYS. IN THE EVENT OF PLACEMENT DURING COLD WEATHER, ACI-306 RECOMMENDATIONS SHALL BE FOLLOWED.
- 7 - THE FRESHLY POURED CONCRETE SHALL BE VIBRATED TO REMOVE TRAPPED AIR AND TAMPED INTO THE CORNERS OF THE EXCAVATION AND FRAMEWORK AND AROUND THE EMBEDDED HARDWARE.
- 8 - THE MAXIMUM ULTIMATE SOIL BEARING PRESSURE RESULTING FROM THIS FOUNDATION IS 1.4 KSF AT A WIND SPEED ON THE ANTENNA OF 125 MPH. THE ASSOCIATED ELEVATION ANGLE IS 0°.
- 9 - SEE GRAPH BELOW FOR LOWEST WESTERN SATELLITE ACCESSIBLE FORM YOUR SITE. FOLLOW INSTRUCTIONS IN NOTE IF YOU DESIRE 5° LOWER WESTERN ACCESSIBILITY. DESCRIPTION OF LOW LOOK ANGLE COVERAGE AND LIMITATIONS FOR NORTH/SOUTH FOUNDATIONS; THE LOWEST NORMAL SATELLITE ELEVATION ACQUISITION ANGLE IS 15° AT LATITUDE 25°, (SEE TABLE FOR OTHERS)



NOTE: THE ABOVE LOW LIMIT RESTRICTIONS ASSUME A TRUE NORTH/SOUTH ORIENTED FOUNDATION. THE LOW LIMIT MAY BE REDUCED 5° IN ALL CASES BY INSTALLING THE FOUNDATION 10° OFF THE NORTH/SOUTH AXIS. TO REDUCE WESTERLY LOOK ANGLES (FROM EAST LOCATIONS) FOUNDATION AXIS MUST BE 350°/170° TRUE.

10 - THIS IS A TYPICAL FOUNDATION. CONTRACTOR HAS FINAL RESPONSIBILITY FOR COMPLIANCE WITH LOCAL CODES.

8	6	COM'L	LOCKWASHER 1-1/8"	STL. A-307/A-325	HDG	
8	5	COM'L	FLATWASHER 1-1/8"	STL. A-307/A-325	HDG	
16	4	COM'L	HEX NUT 1-1/8" - 7,	STL. A-307/A-325	HDG	
8	3	835924-1	ANCHOR BOLT 1-1/8" - 7,	STL. A-307/A-325	HDG	
1	2	REF. ONLY	CONCRETE	9 CU. YDS.		
44	1	REF. ONLY	RE-BAR #5 X 10'-4"	STL. A305	GR40	
			845917-G1	ASSEMBLY		
QTY REQD	ITEM	PART NUMBER	DESCRIPTION	MATERIAL	SPECIFICATION	NOTES
G-1	LIST OF MATERIAL					

**COMTECH ANTENNA SYSTEMS**

3100 COMMUNICATIONS ROAD  
 ST.CLOUD, FLORIDA 34769  
 (407)892-6111, FAX (407)957-3402

DRAFTSMAN: D. L. TOTH    DATE: 11-24-81

CHECKER:    DATE:   

ENG. APPROVAL:    DATE:   

APPROVAL:    DATE:   

CONTRACT NO.   

REMOVE ALL SHARP EDGES AND DEBUR

DRAWING NAME

## FOUNDATION ASSEMBLY

### 5M POLAR

SCALE: 1=30

CODE IDENT NO. 24854

DRAWING NO. 845917

SHEET(S): 1 of 1

REV. G