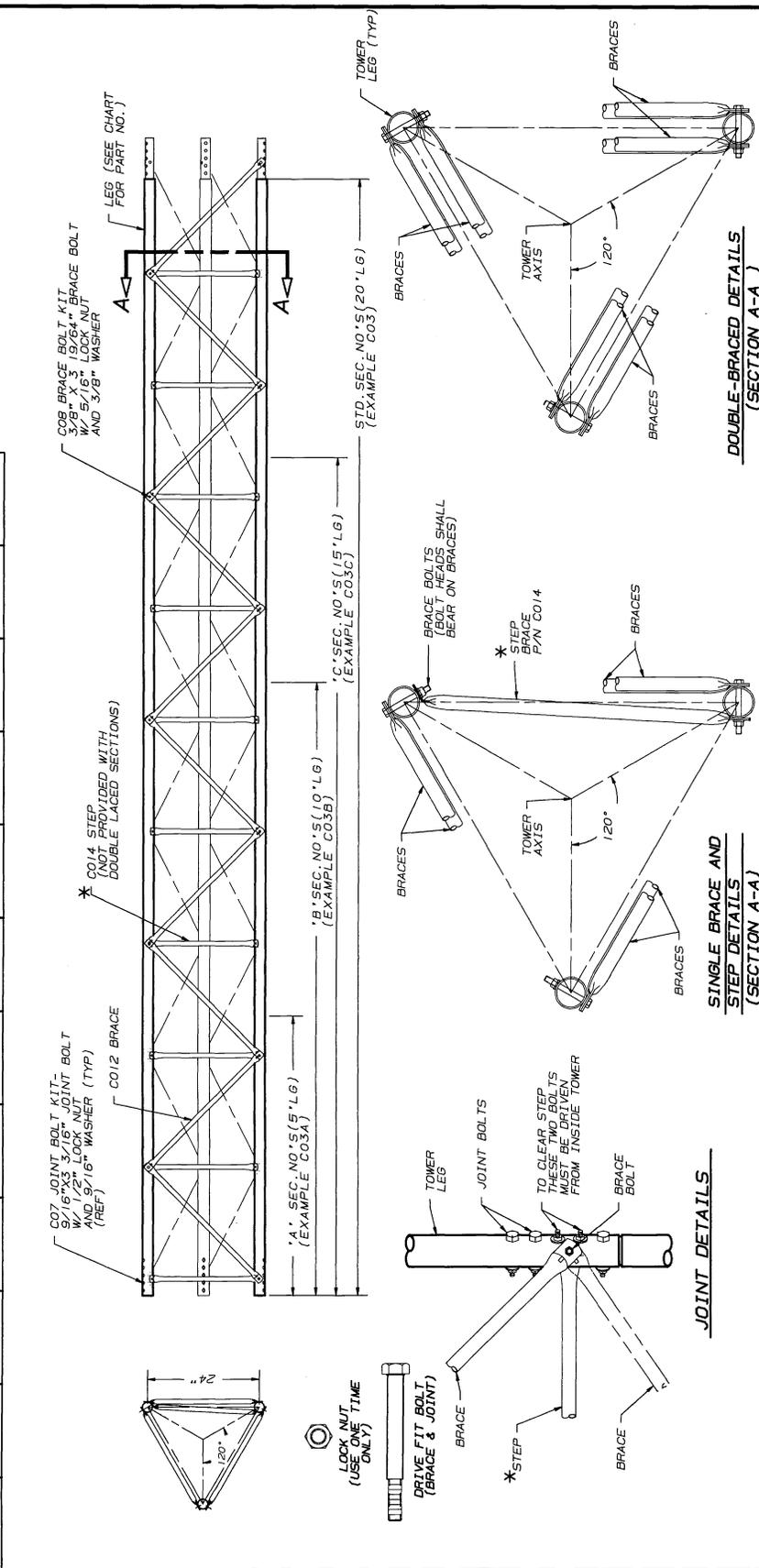


"C" TOWER SECTION ASSEMBLY NUMBERS & QUANTITIES														
CO3	CO3NS	CO3DOB	CO3A	CO3ANS	CO3ADB	CO3B	CO3BNS	CO3BDB	CO3C	CO3CNS	CO3CDB	PART NUMBER	DESCRIPTION	DRAWING NUMBER
3	3	3	3	3	3	3	3	3	3	3	3	CO371	LEG 2.25"OD-126A X 20" LONG	C741251
-	-	-	-	-	-	-	-	-	-	-	-	KL210	LEG 2.25"OD-126A X 5" LONG	C771039
-	-	-	-	-	-	-	-	-	-	-	-	KL211	LEG 2.25"OD-126A X 10" LONG	C771039
30	30	60	6	6	12	15	15	30	3	3	42	CO12	BRACE 1.0"OD-166A	C741249
30	30	30	9	9	9	18	18	18	24	24	24	CO14	BRACE 1.0"OD-166A	C741250
30	30	30	9	9	9	18	18	18	24	24	24	CO15	BRACE 1.0"OD-166A	N/A
30	30	30	9	9	9	18	18	18	24	24	24	2300003	5/16" LOCK NUT	N/A
30	30	30	9	9	9	18	18	18	24	24	24	2300066	3/8" WASHERS	N/A
STD (20')	20' W/O STEPS	20' DBL BRACE	5' W/O STEPS	5' W/O STEPS	10' DBL BRACES	STD (10')	10' W/O STEPS	10' DBL BRACES	STD (15')	15' W/O STEPS	15' DBL BRACE			



"C" TOWER SECTION PROPERTIES		NOMENCLATURE	
ITEM	LEGS	BRACES	SECTION
TS	2.25 ODX: 103 Wt/1	TS 1.0 ODX: 065 Wt/1	N/A
Fy	50.0	32.0	N/A
A	0.7532	0.1909	2.2000
S	0.3744	0.0419	45.726
I	0.4212	0.0210	211.16
J	0.7579	0.1314	9.48
L	4.10	33.94	VARIES
K	1.0	1.0	VARIES
KL/r	63.33	102.417	VARIES
C	N/A	3.03	VARIES
T	21.53	3.03	N/A
M	N/A	N/A	37.29
W	2.4924	0.6491	12.2
Ws	149.54	94.456	244.0

A = CROSS-SECTIONAL AREA (SQUARE INCHES)
 C = COMPRESSION CAPACITY WITH 1/3 INCREASE IN ALLOWABLE STRESS (KIPS)
 I = MOMENT OF INERTIA ABOUT CENTROIDAL AXIS (INCHES⁴)
 J = MINIMUM YIELD STRENGTH (KSI)
 K = EFFECTIVE LENGTH FACTOR (DIMENSIONLESS)
 L = MOMENT CAPACITY (INCHES)
 N/A = NOT APPLICABLE
 S = ELASTIC SECTION MODULUS (INCHES³)
 T = TENSION CAPACITY WITH 1/3 INCREASE IN ALLOWABLE STRESS (KIPS)
 W = WEIGHT PER FOOT (LBS)
 Ws = WEIGHT PER SECTION (LBS)

NOTE: CAPACITIES PER ANSI/EIA-222-E-'93.

REV EIA-222-D NOW EIA-222-E
 R4 REDRAWN & ADDED CAPACITIES & NOMENCLATURE 9-16-91 RKB WJM RM 75
 R3 ADDED STEP NOTE END OF LEG DIM. LINE 2-9-89 RKB WJM JFD 4-17-84
 R2 REMOVED CO2 JOINT BOLT KIT 12-24-88 JFD
 R1
 No. Revision Description Date Rev By Chg By Appr By
 THIS DRAWING IS THE PROPERTY OF ROTH. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT OUR WRITTEN CONSENT.
 Scale: NONE By Date
 Drawn: MDI 11-8-77
 Checked: OH 2-3-78
 App. Eng.: CW 2-6-78
 App. Sales: GT 2-6-78
 Eng. File:

ROTH

"C" TOWER SECTION ASSY'S

DRAWING NO.: C771039 R4