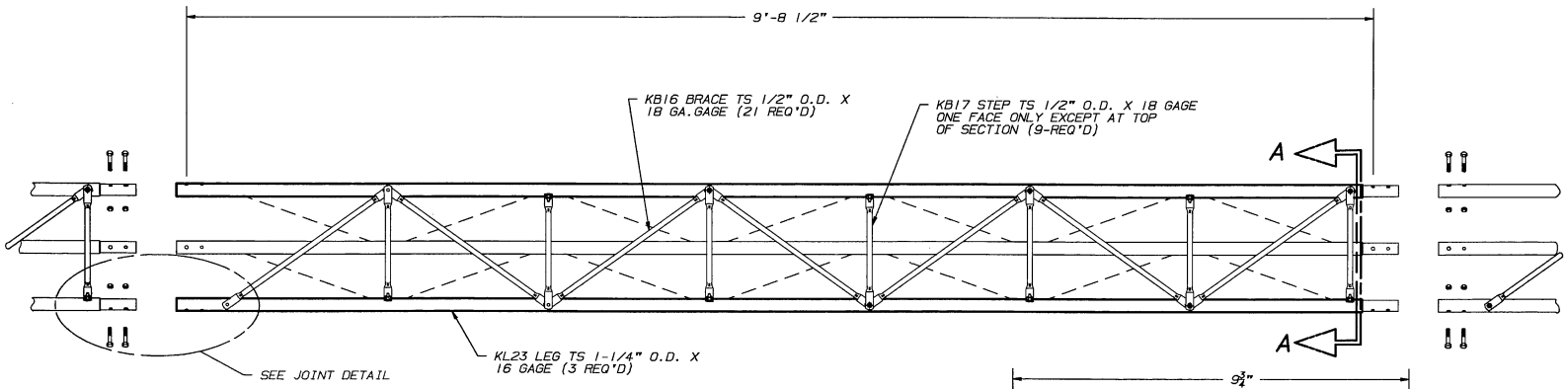
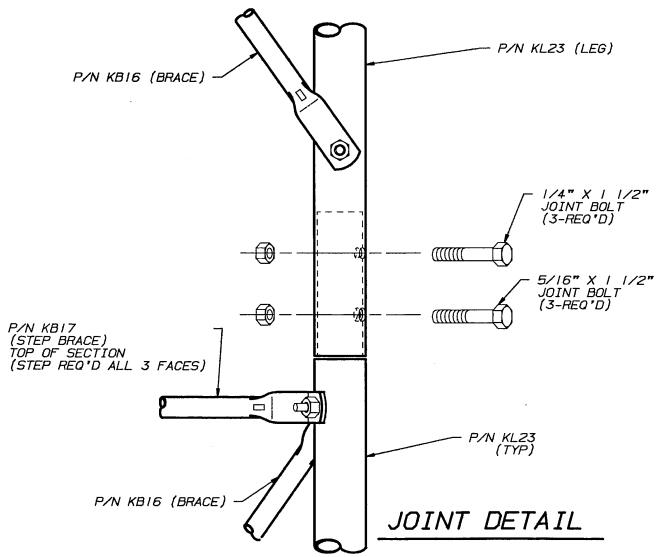
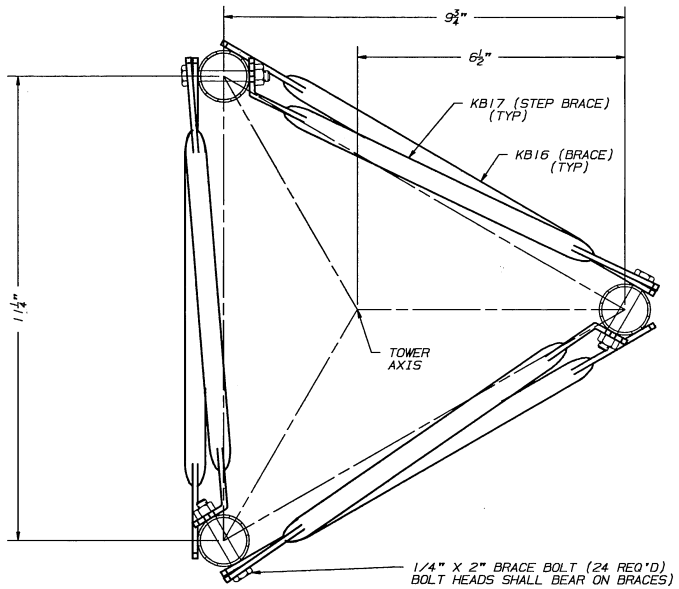




JOINT DETAIL



BRACE & STEP DETAILS VIEW A-A

NOTE: FOR FABRICATION DETAILS SEE DWG. NO. C760516

SEC. >> **26KD TOWER SECTION PROPERTIES**

ITEM	LEGS	BRACES	SECTION
SIZE	TS 1.25 ODX.065 Wall	TS 0.5 ODX.049 Wall	N/A
Fy	50.0	33.0	N/A
A	0.2420	0.0690	0.726
S	0.0682	0.0072	2.15
I	0.0426	0.0018	15.3
r	0.4196	0.1606	4.59
L	31.5	19.375	VARIES
K	1.0	1.0	1.0
KL/r	75.0	121.0	VARIES
C	6.44	0.89	N/A
T	8.28	N/A	N/A
M	N/A	N/A	5.23
W	0.82	0.236	3.42
Ws	25.0	9.2	34.2

NOMENCLATURE

A = CROSS-SECTIONAL AREA (SQUARE INCHES)
C = COMPRESSION CAPACITY WITH 1/3 INCREASE IN ALLOWABLE STRESS (KIPS)
I = MOMENT OF INERTIA ABOUT CENTROIDAL AXIS (INCHES ^{4})
Fy = MINIMUM YIELD STRENGTH (Ksi)
K = EFFECTIVE LENGTH FACTOR (DIMENSIONLESS)
L = UNBRACED LENGTH (INCHES)
M = MOMENT CAPACITY WITH 1/3 INCREASE IN ALLOWABLE STRESS (FT.-KIPS)
N/A = NOT APPLICABLE
S = ELASTIC SECTION MODULUS (INCHES ^{3})
T = TENSION CAPACITY WITH 1/3 INCREASE IN ALLOWABLE STRESS (KIPS)
r = RADIUS OF GYRATION (INCHES)
W = WEIGHT PER FOOT (LBS)
Ws = WEIGHT PER SECTION (LBS)

NOTE: CAPACITIES PER ANSI/EIA-222-D

No.	Revision Description	Date	Rev By	Ckd By	Appd By
R1	REDRAWN AND REV'D SPEC. NOTES	2-2-89	RKB	WMN	APM 3/24

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ROHN

Scale: NONE	By	Date
Drawn:	MEH	7-6-76
Checked:	WDU	8-2-76
App. Eng.:	CW	8-2-76
App. Sales:	MF	8-3-76

Title: SECTION ASSEMBLY FOR NO. 26KD TOWER

ENG. FILE:

DRAWING NO.: C760537 R1

Rigid Tube Towers