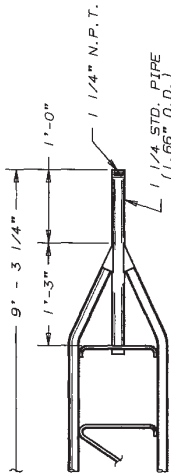
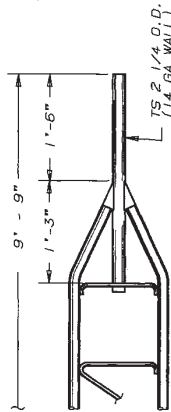


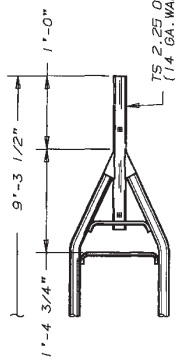
25AG



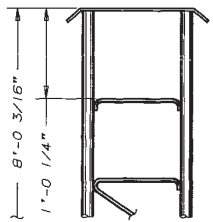
25AG1



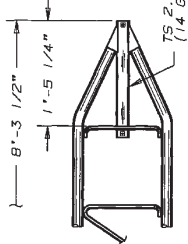
25AG2



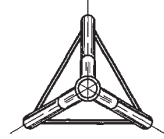
25AG3



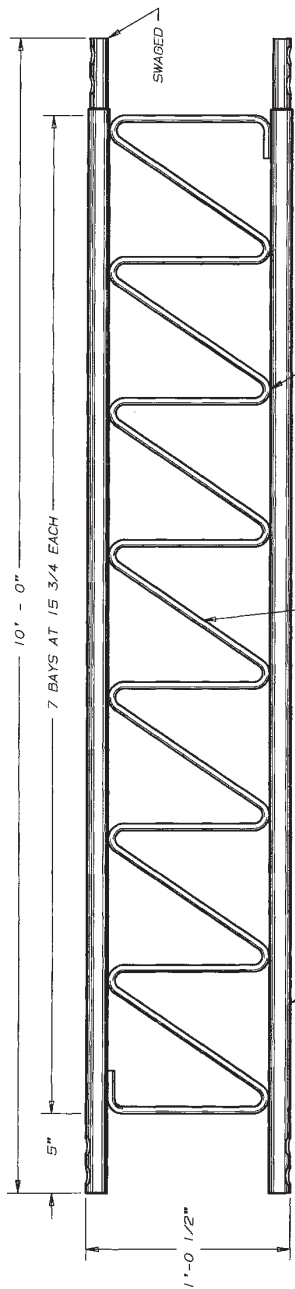
25AG4



25AG5



TYPICAL PLAN VIEW
(FOR ALL SECTIONS EXCEPT 25AG4)



P/N 25G SECTION

SAE GRADE 5 BOLT ASSY'S REQUIRED
(3) 1/4" DIA. X 1 1/2" LG. (NF BOLTS)
(3) 5/16" DIA. X 1 1/2" LG. (NF BOLTS)

SEC. >>	25G TOWER SECTION PROPERTIES	BRACES	SECTION
SIZE	TS 1.25 O.D. WALL	BAR 5/16 DIA.	N/A
Fy	50.0	36.0	N/A
A	0.2420	0.0770	0.726
S	0.0682	0.0030	2.15
I	0.0426	0.00047	15.3
r	0.4196	0.0781	4.59
L	15.7500	18.7	VARIES
K	1.0	0.70	1.0
KL/r	37.5	167.6	VARIES
C	8.43	N/A	N/A
T	N/A	N/A	N/A
M	0.82	0.261	6.72
Ws	26.0	14.0	40.0

NOMENCLATURE

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

NOTE: CAPACITIES SHOWN ARE BASED ON ANSI/EIA-222-E-1991.

No.	Revision Description	Date	Rev. By	Rev. By	Rev. By	Rev. By
69	REV'D EIA-222-D-1986 TO EIA-222-E-1991	2/16/99	WDL	WDL	WDL	WDL
68	REDRAWN AND REVISED SPEC.	2/16/99	WDL	WDL	WDL	WDL
67	REDRAWN AND REVISED SPEC.	2/16/98	WDL	WDL	WDL	WDL

Date: 2/25/99 Rev. By: WDL

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Scale: NONE By: WDL Date: 2/16/99
 Drawn: WDL 2/16/99
 Checked: WDL 2/24/99
 App. Eng.: WDL 2/25/99
 App. Sales: WDL 2/25/99

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25G SECTION ASSEMBLY

DRAWING NO. 1 C630625 R9