



TOWER SPECIFICATIONS	
DISTANCE BETWEEN SIDE RAILS (CENTER TO CENTER)	11 1/4"
OVERALL LENGTH OF SECTION	10'-0"
WEIGHT PER SECTION	32 LBS.
SIDE RAIL DIAMETER AND GAUGE	1 1/4" O.D. -18 GA.
CROSS-SECTIONAL AREA OF ONE LEG	.1849 SQ. IN
GROSS ALLOWABLE VERTICAL LOAD ON THE BOTTOM TOWER SECTION	11,700 LBS.
MAXIMUM ALLOWABLE AXIAL COMPRESSION OF THE CROSS-SECTION OF ONE SIDE RAIL	3,900 LBS.
MEASURED TENSILE STRENGTH OF ONE SIDE RAIL	12,810 LBS.
MEASURED TENSILE STRENGTH OF ONE BOLTED LEG JOINT	11,010 LBS.
MAXIMUM ALLOWABLE TENSION IN EACH BOLTED LEG JOINT	4,400 LBS.
SAFE MOMENT OF RESTRAINT	3,170 FT.-LBS.
L - UNBRACED LENGTH OF SIDE RAIL (DISTANCE BETWEEN CROSSPIECES)	18 1/4"
R - RADIUS OF GYRATION OF SIDE RAIL	.425"
L/R FOR MAIN LEG MEMBER	42.9
WIND LOAD PER LINEAL FOOT OF TOWER AT THE HORIZONTAL WIND PRESSURES (BASED UPON FLAT SURFACES) LISTED BELOW:	
30 PSF	7.39
40 PSF	9.86
50 PSF	12.32

ELEVATION

SUPPLIED WITH EACH SECTION
 3 - 1/4" DIA. x 1 1/2" NF BOLTS
 3 - 5/16" DIA. x 1 1/2" NF BOLTS

WELD DETAIL

NOTE : ALL DIMENSIONS IN INCHES EXCEPT AS NOTED.

FILE NO.

STD/PUBLIC

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP
3	REBAMA INFO AUTOCAD FORMAT	NBS	JOM	HA
	DATE: 3/16/2007			

DWG REFERENCE

ROHN
 PRODUCTS

6718 WEST PLANK ROAD
 PEORIA, IL 61604
 TOLL FREE 800-272-ROHN

SECTION ASSEMBLY
 MODEL 20 TOWER SECTION

DWN: AED
 ENGR: R.S.

CHKR: OH
 DATE: 5/29/1988

DRAWING NO: C680954

REV: 3