

## VISTA 96— SECTION ASSEMBLY INSTRUCTIONS



### CAUTION

Wade Antenna assumes no responsibility for damages or personal injury resulting from improper tower assembly or installation. Assembly and installation instructions are meant as guides.

Only persons with proper training and equipment should install and climb towers. Foundation requirements vary according to local conditions. A structural and/or civil engineer should be consulted before installation and site surveys completed on site hazards and soil conditions.

Any part of the tower could have sharp edges. Wear gloves when handling and use any required personal protective equipment.

### REQUIRED

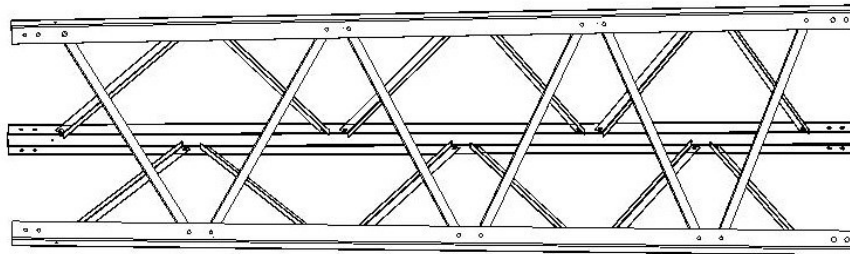
- Wrenches 7/16" and 9/16"
- 3/8" or 1/2" drive torque wrench
- Sockets 7/16" and 9/16"
- Large surface area to assemble sections

### PARTS INSPECTION

NOTE: It is recommended that at least two people are available to assemble and move the larger sections of the tower. Some means of mechanical lifting is suggested.

1. Remove all parts from packaging, crates, etc. and inspect that the order is complete. It is suggested to separate all hardware and components into sections to aid in assembly.
2. Allow enough room to assemble each section comfortably and also allow room to tip each section up on its end if required. Larger sections will require two people or mechanical lifting.
3. Refer to the parts guide in this manual as a reference for which braces are used in each section.
4. It is recommended that brace connections are left slightly loose and the entire section is placed vertically on the floor for final tightening and torquing. This will insure the legs are aligned and aid in section assembly.
5. Refer to fig. 1 below for brace configuration.

Figure 1



## SECTION ASSEMBLY

### ASSEMBLING THE SECTION

1. Refer to the section assembly parts list to aid in matching the legs, braces and hardware.  
Note: Refer to Assembling the Rotor Plates before fully assembly the top section
2. It is recommended to assemble one panel first as shown in figure 2. then add the remaining braces as shown in figure 3. with the hardware left loose. The remaining leg can then be attached to the braces as shown in figure 4. Having another person to assist will make assembly easier.

Figure 2

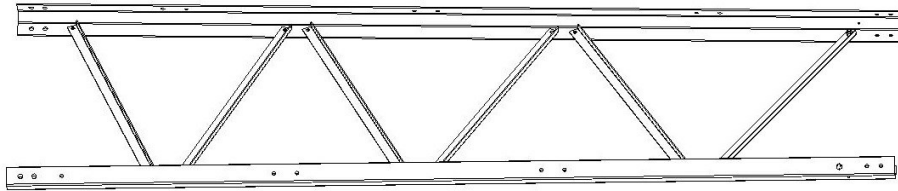


Figure 3

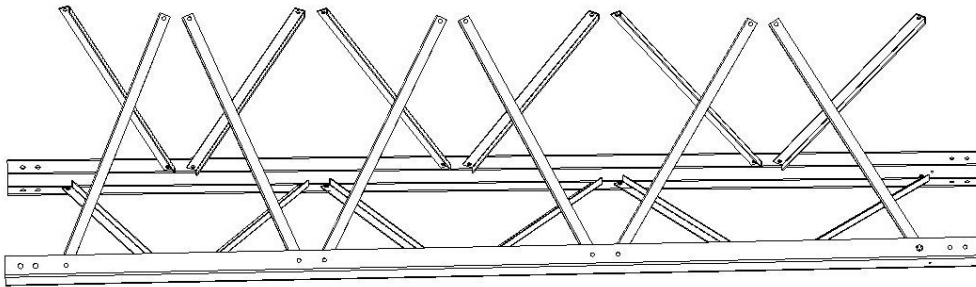
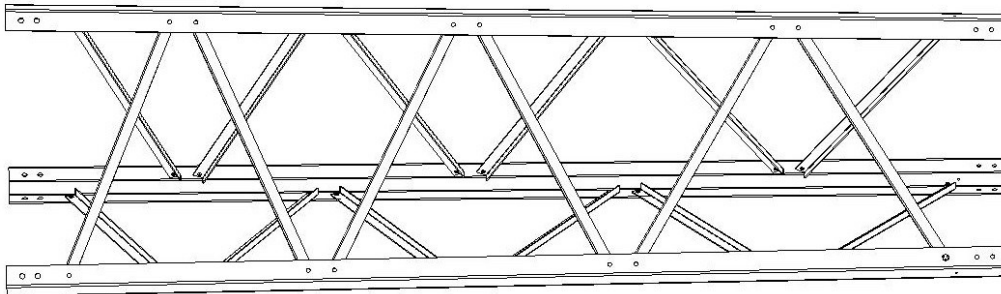


Figure 4

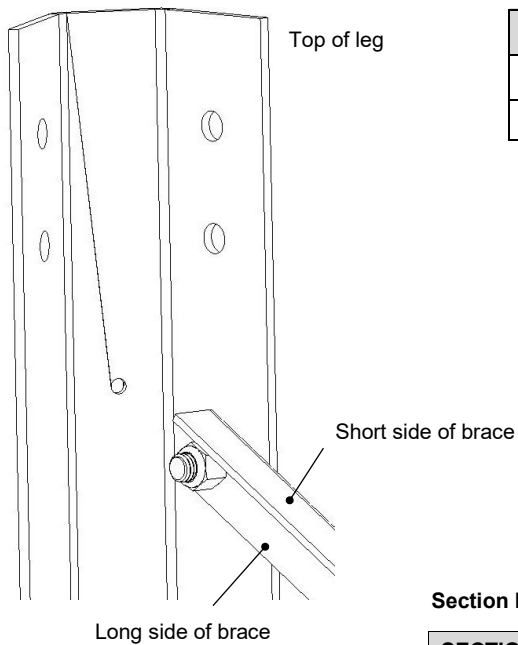


## SECTION ASSEMBLY

### ASSEMBLING THE SECTION

3. When assembling braces, insure the brace is oriented properly as shown in figure 5. The brace is installed on the inside of the leg with the long side vertical and the short side to the top of the section.
4. Install hardware with nuts on the inside of the assembly.
5. It is recommended to install hardware loose and then stand the section vertically on its end to keep the legs aligned.
6. Torque the hardware to the settings listed in Table 2.
7. Assemble each section in the same manner.

**Figure 5.**



**Table 2**

Bolt Size	Torque
1/4"	9 ft. lbs.
3/8"	30 ft. lbs.

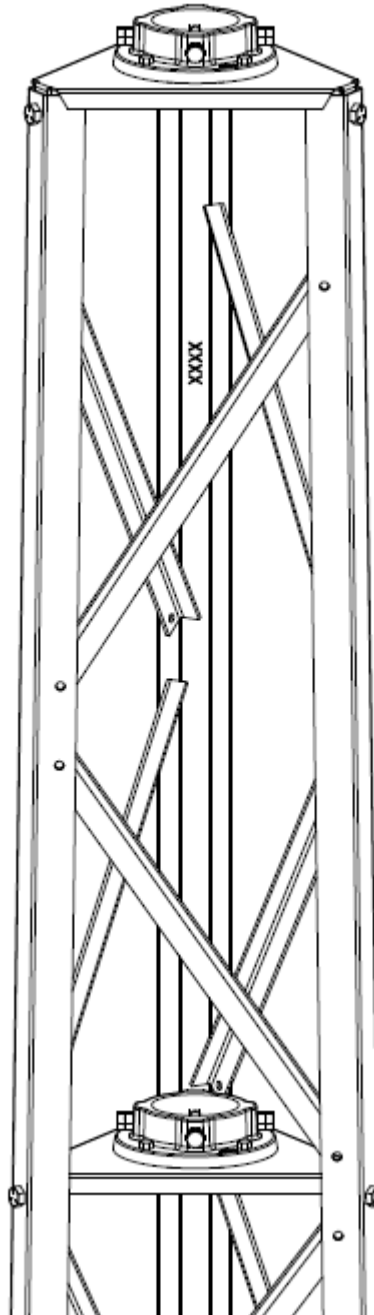
### Section Parts List

SECTION	LEG	BRACE	BOLT	NUT
1	62301001	552001	1/4" x 5/8"	1/4"
2	62301002	552002	1/4" x 5/8"	1/4"
3	62301003	552003	1/4" x 5/8"	1/4"
4	62301004	552004	1/4" x 5/8"	1/4"
5	62301005	552005	1/4" x 5/8"	1/4"
6	62301006	552006	3/8" x 1"	3/8"
7	62301007	552007	3/8" x 1"	3/8"
8	62301008	552008	3/8" x 1"	3/8"
9	62301009	552009	3/8" x 1"	3/8"
10	62301010	552010	3/8" x 1"	3/8"
11	62301011	552011	3/8" x 1"	3/8"
12	62301012	552012	3/8" x 1"	3/8"

## ROTOR PLATE ASSEMBLY

### ASSEMBLING THE ROTOR PLATES

1. The rotor plates are installed in section 1 as shown.  
Note: For easier installation, install the rotor middle rotor plate prior to installing the 3rd leg of the section



**SERVICING**

- Tower must be properly maintained and in good condition with no structural defects or deterioration to its members capacities.
- The mounted appurtenances must adhere to the load limits as stated previously.
- During the time of servicing there must be no ice on the structure and wind speeds must not exceed 15km/h.
- The climber must be trained in basic fall protection and proper climbing techniques.
- The climber must be equipped with an E6 type lanyard in accordance with CSA-Z259, and it must be fastened to the tower leg on top of the diagonal brace using a double locking lanyard hook