





## **DESIGNED APPURTENANCE LOADING**

TYPE	ELEVATION	TYPE	ELEVATION
Sidelight (FAA L-810)	120	Sidelight (FAA L-810)	120
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## SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	Pipe 6.625" x 0.280" (6 STD)	В	L 2.5 x 2.5 x 3/16

## **MATERIAL STRENGTH**

GRADE	Fy	Fu	GRADE	Fy	Fu		
A500-46	46 ksi	62 ksi	A572-50	50 ksi	65 ksi		
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## **TOWER DESIGN NOTES**

- Tower is located in Albemarle County, Virginia. Tower designed for Exposure C to the TIA-222-G Standard. 1.
- 2.
- Tower designed for a 89 mph basic wind in accordance with the TIA-222-G Standard. 3. 4. Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
- 5. Deflections are based upon a 60 mph wind.

6. 7. Tower Structure Class II. Tower Structure Class II.
 Topographic Category 4 with Crest Height of 865.00 ft
 Jampro 6-Lambda Ch. 2 is included fortided forties tonly.
 PRELIMINARY DESIGN - NOT FOR CONSTRUCTION

ALL REACTIONS

ARE FACTORED

MAX. CORNER REACTIONS AT BASE: DOWN: 611471 lb SHEAR: 64004 lb

UPLIFT: -524897 lb SHEAR: 55431 lb

AXIAL 183345 lb





TORQUE 8241 lb-ft REACTIONS - 89 mph WIND

AlanDick **JA** 



 Cocal public television station tower
 Mure FM Characterevile
 Tower
 Down the hill is the public apple picking area

Tower

Tower

Tower

Google