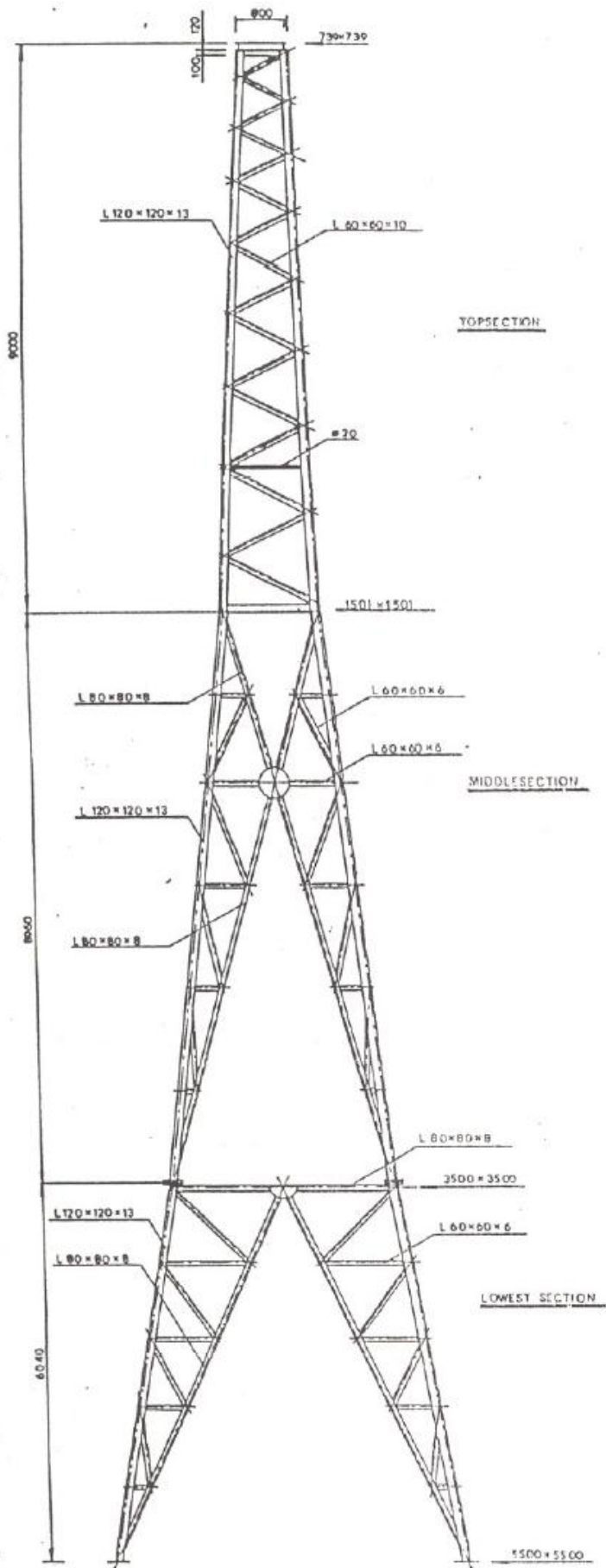




WindMatic S17 – Lattice Tower



**NOTE:**

Measures in mm.  
 Materials: Steel Fy= 50 ksi  
 Topsection welded all over  
 Middle section: Welded and Bolted  
 Lowest section: Welded and Bolted

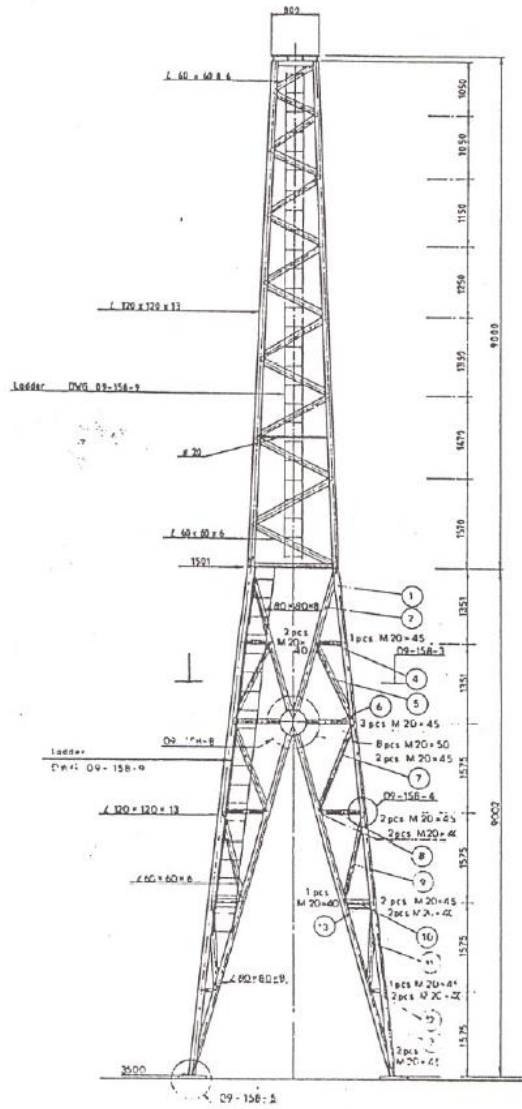
**JOINT BOLTS:**

Quality BB after DIN 267  
 or DS 9901  
 Yield stress 640 N/mm<sup>2</sup>  
 = 90,9 ksi  
 Ultimate Tensile stress 800 N/mm<sup>2</sup>  
 = 113,6 ksi

The joint bolts must be tightened with a torque wrench:  
 For M20 (ISO) 0,52 KNm  
 = 4,5 kips x inch  
 For M36 (ISO) 2,29 KNm  
 = 19,8 kips x inch

Washers under all bolts heads and nuts.

Baseplate and foundation bolt placing for  
 24 m WND MILL TOWER  
 Drwg no 5401 1-4



**NOTE:**

Measures in mm  
 Materials Steel  $F_y = 30 \text{ ksi}$   
 Top section welded all over  
 Bottom section Bolted.

**JOINT BOLTS:**

Quality 8.8 after DIN 267  
 or DS 990.1  
 Yield stress 640 N/mm<sup>2</sup>  
 = 90 Q.S.I.  
 Ultimate Tensile stress 800 N/mm<sup>2</sup>  
 = 113.6 ksi

The joint bolts must be tightened with  
 a torque wrench  
 For M20 (iso) = 0.50 KNM  
 = 4.33 KIPS x INCH  
 For M22 (iso) = 0.65 KNM  
 = 5.62 KIPS x INCH

BASEBOLTS ARE FOUNDATIONAL BOLTS  
 FOR 18m and 24m WIND MILL TO: DWG 09-155-7

Part	Tag	Rev	Description	Quantity
1	50		WIND MATIC A/S	010014
Rev	14.03.84			
Author	LD		WIND TOWER FOR WIND MILL	