

Federal Aviation Agency

ADVISORY CIRCULAR

AC NO: AC 150/5340-8

AIRPORTS

EFFECTIVE :

6/11/64

SUBJECT : AIRPORT 51-FOOT TUBULAR BEACON TOWER

1. PURPOSE. This advisory circular presents guidance to the public on the subject beacon tower. The design and installation details described are acceptable in accomplishing a project meeting the eligibility requirements of the Federal-aid Airport Program (FAAP).
2. BACKGROUND. During the past three years, several tubular steel beacon towers have been installed under FAAP projects as trial installations. They were used in lieu of the standard structural steel tower specified in Item L-103 of Advisory Circular No. 150/5370-1, "Standard Specifications for Construction of Airports". As a result of the performance of the tubular beacon tower at the several locations, it was determined to be satisfactory for a 51-foot beacon tower.
3. DESIGN AND INSTALLATION. The design and installation details are shown on Figure No. 1.
 - a. Beacon Platform. As a design requirement, provision is made for the 36-inch beacon, weighing approximately 500 pounds, which is placed on the tower platform. The beacon is installed under Item L-101 of Advisory Circular No. 150/5370-1, "Standard Specifications for Construction of Airports".
 - b. Safety Device. Figure No. 1 provides for a safety device consisting of a cable, locking clip, and belt combination which permits a workman to climb the tower and to secure him instantly if he should fall. A device similar to that furnished by Meyer Machine, Incorporated, is acceptable.
 - c. Construction Details. The tubular beacon tower may be prefabricated at the factory and erected at the site. Applicable portion of Item L-103 of Advisory Circular No. 150/5370-1 and Change 1, "Supplement No. 2", should be used for field installation.

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4. AVAILABILITY. The tubular tower may be obtained from Meyer Machine, Incorporated, Red Wing, Minnesota, or other companies that may furnish equipment equal to that shown on the drawing.
5. HOW TO GET THIS CIRCULAR. Obtain additional copies of this circular, AC 150/5340-8 , "Airport 51-Foot Tubular Beacon Tower", from the Federal Aviation Agency, Distribution Section, HQ-438, Washington, D. C. 20553.


for Cole Morrow, Director
Airports Service

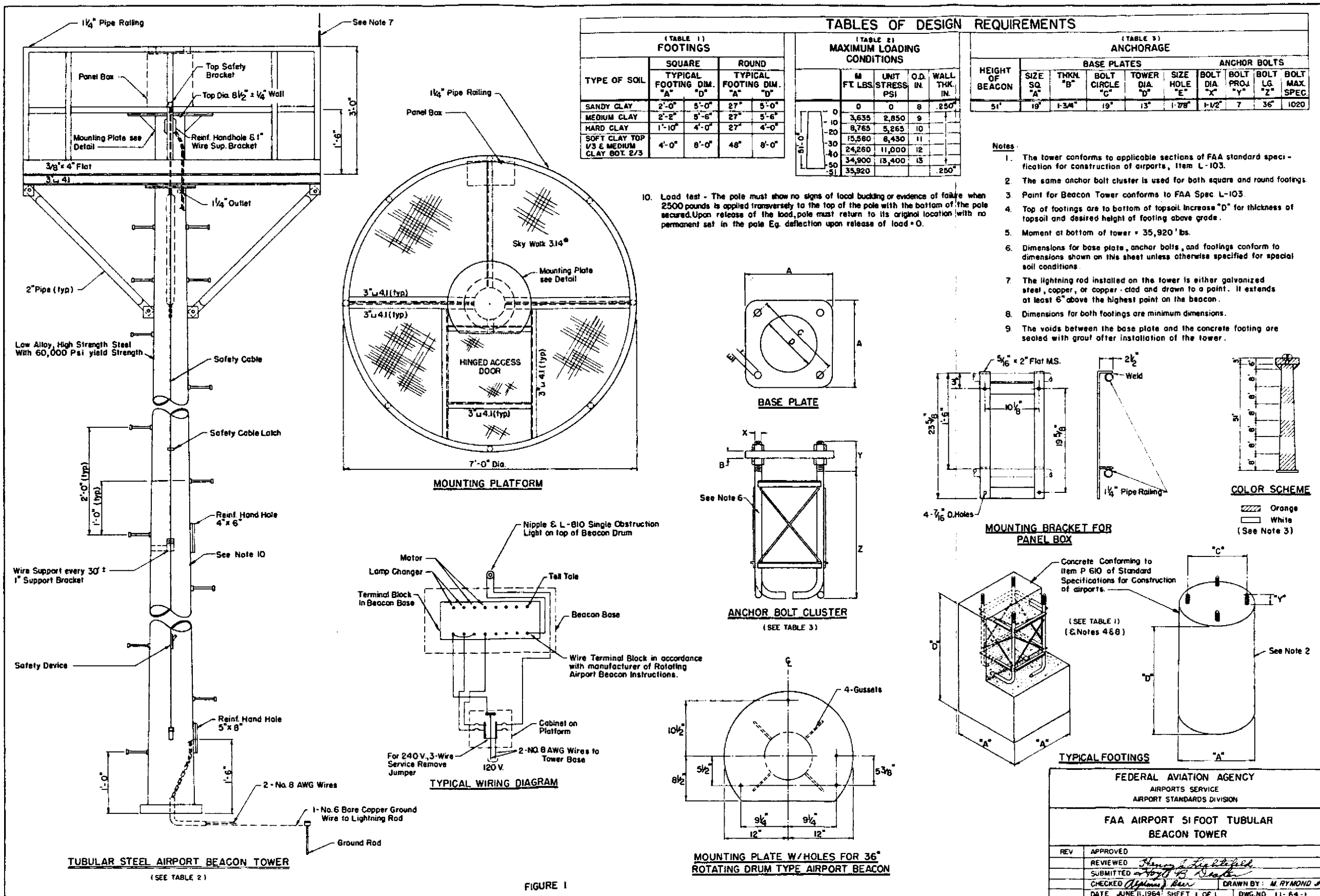


FIGURE 1