

1/22/90

SUBJ: AIRPORT SURVEILLANCE RADAR (ASR-8) STEEL TOWER DRAWINGS

1. PURPOSE. This order announces the issuance of the drawings
* listed in appendix 1. Drawing D-6083-6 is revised and dated
11/9/89.

2. DISTRIBUTION. This order is distributed to division level in
the Program Engineering, Advanced System Acquisition, and Systems
Maintenance Services in Washington headquarters; to branch level
in the regional Airway Facilities divisions; and the FAA Depot and
Facility Support Division at the Mike Monroney Aeronautical Center;
and to the Director level at the FAA Technical Center.

* 3. CANCELLATION. Order 6310.7B, Airport Surveillance Radar (ASR-
8) Steel Tower Drawings, dated 6/8/89, is canceled.

4. BACKGROUND.

a. The tower design has been revised to conform with the
Occupational Safety and Health Administration (OSHA) Standards.
The height of the platform guard rails is increased 6 inches and
kick plates are added. The height of the stair handrail is lowered
2 inches.

b. The agency recognizes these deviations from the OSHA
Standards in issuing Order 3900.32A, Agency Compliance With
Occupational Safety and Health Administration Standards: Program
Engineering and Maintenance Service National Abatement Plan. The
non-standard conditions are listed as deminimuses. A deminimus is
defined as a condition that is in violation of an OSHA standard but
presents no apparent hazard to employees' safety or health. No
retrofit corrective action is required for a deminimus violation,
and no funding is provided.

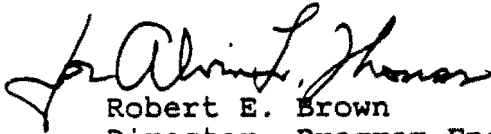
* c. Other minor revisions include changing the size of down
conductor and increasing the height of the lightning air terminals
to conform to Drawing D-6075-153, Lightning Protection of ASR Radar
Tower; and increasing the floor grating area on the mezzanine level
to provide access to the ASR-9 radar antenna panel.

5. APPLICATION. These drawings shall be used for the fabrication
and construction of all ASR-8 antenna towers. The drawings will
be added to the specification currency list for procurement in the
Air Traffic Control and Navigation System. Inquiries or comments
regarding these drawings should be directed to the Manager,
Facilities Integration Division, APS-100.

Distribution: A-W(PS/SM/SA)-2; A-X(AF)-3; A-Y(DE/FA)-3; A-Z-1

Initiated By: APS-120

6. DEVIATION FROM STANDARDS. No deviation from the standard is authorized without prior approval of the Director, Program Engineering Service. Regional site adaptation to accommodate terrain or soil conditions is authorized without further clearance. Dimensional errors, discrepancies, or suggestions for modification or additional details should be brought to the attention of the Manager, Facilities Integration Division, APS-100.
7. CORRECTIONS TO STANDARDS. Corrections may be made by the Director, Program Engineering Service, without regional or interservice coordination. These may include misspelling, corrections of dimensional errors, and modification, addition, or deletion of minor details.
- * 8. DISTRIBUTION OF DRAWINGS. A reproducible copy of D-6083-6 is being forwarded to each region (except AEU), Attention: Airway Facilities Division; and the Mike Monroney Aeronautical Center, Attention: Facility Support Division. *



Robert E. Brown
Director, Program Engineering Service

APPENDIX 1. AIRPORT SURVEILLANCE RADAR (ASR-8) STEEL TOWER DRAWINGS

<u>Drawing Number</u>	<u>Date</u>	<u>Title</u>
D-6083-1	11/28/88	ASR-8 Tower, General Layout
D-6083-2	2/25/88	ASR-8 Tower, Main Floor Plan
D-6083-3	2/13/89	ASR-8 Tower, Mezz. Floor Plan and Stair Details
D-6-84-4	2/25/88	ASR-8 Tower, Elevation of Top Tower Section, Misc. Details
D-6083-5	2/25/88	ASR-8 Tower, 10-Foot Extension Section
D-6083-6	11/9/89	ASR-8 Tower, Electrical Installation
D-6083-7	1/16/80	ASR-8 Tower, Foundation Plan and Details
D-6083-8	11/3/76	37-Foot Tower, Pile Foundation Plan and Details
D-6083-9	11/3/76	17-Foot Tower, Pile Foundation Plan and Details
D-6083-10	11/3/76	Tower, Loading Diagrams
D-6084-1	2/25/88	ASR-8 Tower, Anchor Bolt Setting Plan and Col. Base Details
D-6084-2	2/25/88	ASR-8 Tower, 10-Foot Section Details
D-6084-3	2/13/89	ASR-8 Tower, 10-Foot Section Details
D-6084-4	2/25/88	ASR-8 Tower, Stair and Rail Below 10-Foot Sections
D-6084-5	2/13/89	ASR-8 Tower, Handrails for 10-Foot Section
D-6084-6	2/13/89	ASR-8 Tower, Floor Beams and Hangars at Mezz. Floor, Top Section
D-6084-7	2/13/89	ASR-8 Tower, Floor Beams at Mezz. Floor, Top Section
D-6084-8	2/13/89	ASR-8 Tower, Floor Beams at Mezz. Floor, Top Section
D-6084-9	2/13/89	ASR-8 Tower, Floor Beams at Main Floor, and Vertical Bracing, Top Section
D-6084-10	2/13/89	ASR-8 Tower, Floor Beams at Main Floor, Top Section
D-6084-11	2/13/89	ASR-8 Tower, Floor Beams and Bracing at Main Floor, Top Section
D-6084-12	2/25/88	ASR-8 Tower, Cols. and Antenna Support Platform, Top Section
D-6084-12A	2/25/88	ASR-8 Tower, Alternate Details for Antenna Support Platform, Top Section
D-6084-13	2/13/89	ASR-8 Tower, Handrail at Main Floor, Top Section
D-6084-14	2/13/89	ASR-8 Tower, Handrail at Mezz. Floor, Top Section
D-6084-15	2/13/89	ASR-8 Tower, Handrail and Ladder at Mezz. Floor, Kick PLs. and Ltn'g Rod at Main, Top Section

<u>Drawing Number</u>	<u>Date</u>	<u>Title</u>
D-6084-16	11/28/88	ASR-8 Tower, Stair and Rails Below Main Floor, and Wave Guide Support Details, Top Section
D-6084-17	2/25/88	ASR-8 Tower, Stair and Rails Below Mezz. Floor, Top Section
D-6084-18	2/25/88	ASR-8 Tower, Door and Exp. Metal Cage, Top Section
D-6084-19	9/15/81	ASR-8 Tower, Work Platform
D-6085-E1	2/13/89	ASR-8, Erect. Dwg. for 17-Foot Tower, Top Section
D-6085-E2	2/25/88	ASR-8, Erect. Dwg. for 27-Foot Tower
D-6085-E3	11/3/76	ASR-8, Erect. Dwg. for 37-Foot Tower
D-6085-E4	11/3/76	ASR-8, Erect. Dwg. for 47-Foot Tower
D-6085-E5	11/3/76	ASR-8, Erect. Dwg. for 57-Foot Tower
D-6085-E6	11/3/76	ASR-8, Erect. Dwg. for 67-Foot Tower
D-6085-E7	11/3/76	ASR-8, Erect. Dwg. for 77-Foot Tower
D-6085-E8	11/28/88	ASR-8, Main and Mezz. Floor Plan, Top Section
D-6085-E9	2/13/89	ASR-8, Plan of Handrail at Mezz. Floor, Top Section
D-6085-E10	11/28/88	ASR-8, Interior Truss Top Section
D-6085-E11	2/25/88	ASR-8, Grating Arrangement and Details, Top Section
D-6085-E12	2/13/89	ASR-8, Grating Arrangement and Details, Top Section
D-6085-E13	9/15/81	ASR-8, Erect. Dwg. for 10-Foot Section
D-6085-E14	2/13/89	ASR-8, Bill of Material for One 10-Foot Section
D-6085-E15	2/13/89	ASR-8, Bill of Material, Top Section
D-6085-E16	2/13/89	ASR-8, Bill of Material, Top Section