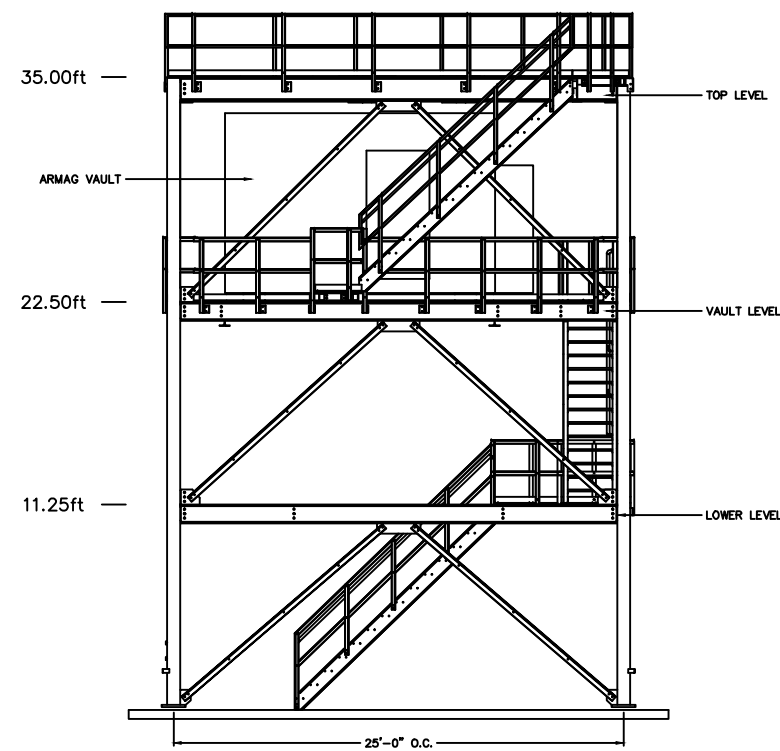
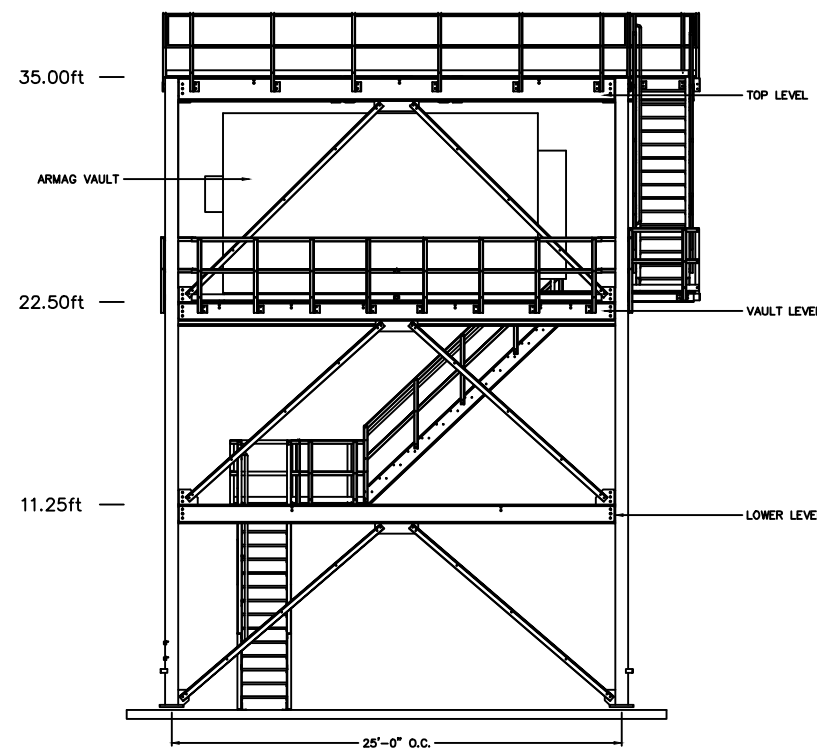


LET	REVISION	DATE	APP'D
-	INITIAL RELEASE	02/24/22	L.S.

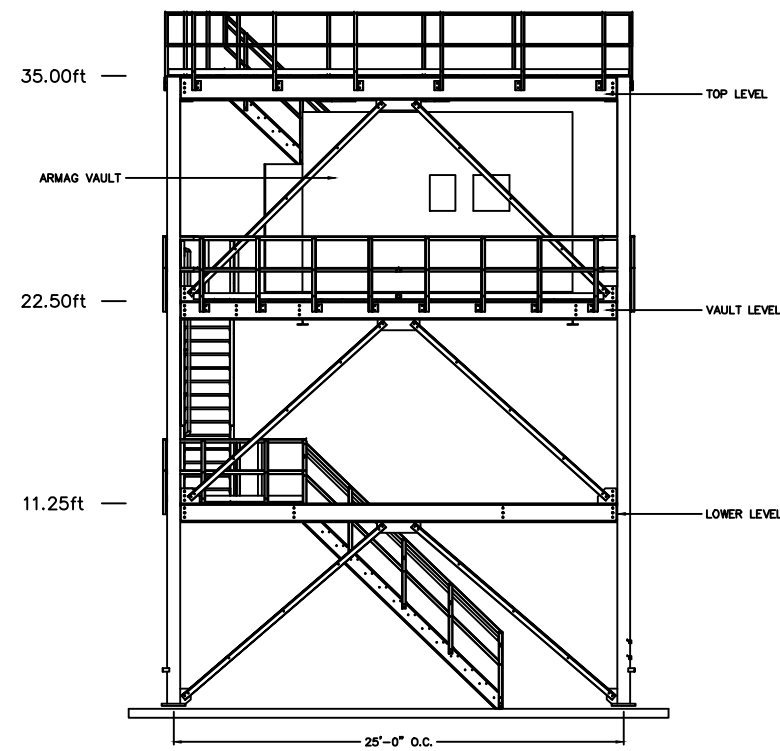
- NOTES:**
- TOWER IS DESIGNED TO CONFORM TO THE REQUIREMENTS OF ANSI/TIA-222-H "STRUCTURAL STANDARD FOR ANTENNA SUPPORT STRUCTURES, ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES" WITH THE FOLLOWING CRITERIA:
 NOMINAL WIND SPEED (V): 155mph 3-SECOND GUST WIND SPEED w/NO ICE
 SERVICE WIND SPEED: 46mph 3-SECOND GUST WIND SPEED w/NO ICE
 DESIGN ICE THICKNESS (t): NONE
 SITE CRITERIA: RISK CATEGORY = IV
 TOPOGRAPHICAL CATEGORY = 1
 EXPOSURE CATEGORY = D
 SEISMIC:
 $S_s = 0.031$
 $S_s = 0.052$
 $S_{D1} = 0.049$
 $S_{D2} = 0.055$
 SITE CLASS = D
 DEFLECTION: ROTATION OF 0.0001 rad FROM SERVICE LEVEL WIND SPEED AT BASE OF RADAR
 ROTATION OF 0.0001 rad FROM ROTATING EQUIPMENT MOMENT AT BASE OF RADAR
 - TOWER APPURTENANCES ARE AS FOLLOWS:
 A. TRACKING RADAR UNIT AT TOP LEVEL WITH ASSOCIATED FEEDLINE
 B. OSHA-COMPLIANT, FIBERGLASS GUARDRAIL, INCLUDING TOEBOARD, AT TOP LEVEL
 C. ARMAG VAULT/SHELTER AT THE VAULT LEVEL
 D. OSHA-COMPLIANT, STEEL GUARDRAIL, INCLUDING TOEBOARD, AT VAULT LEVEL
 E. OSHA-COMPLIANT STAIR ACCESS, FULL TOWER HEIGHT
 F. TURTLE-SAFE FLOODLIGHTS & CONVENIENCE OUTLETS AT SPECIFIED LOCATIONS
 - ALL STRUCTURAL STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
 PLATES, BARS, RODS & ANGLES: ASTM-A572-50
 HOLLOW STRUCTURAL SECTIONS (LEGS): ASTM-A500, Gr. C
 PIPE (STAIR GRIP RAILS): ASTM-A53
 WIDE FLANGE BEAMS: ASTM-A992-50
 CHANNELS: ASTM-A572-50
 - ALL STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED, AFTER FABRICATION, AND CONFORM TO THE REQUIREMENTS OF ASTM-A123.
 - ALL BOLTS & BOLTED CONNECTIONS SHALL BE HOT-DIPPED GALVANIZED AND CONFORM TO THE REQUIREMENTS OF ASTM-A325. BOLTS SHALL BE TIGHTENED USING THE "SNUG-TIGHT JOINTS" METHOD, AS OUTLINE IN THE "STEEL CONSTRUCTION MANUAL" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), 15th EDITION. EACH BOLT ASSEMBLY OF 1/2" AND GREATER SHALL INCLUDE A HEAVY-HEX NUT & JAM NUT. EACH BOLT ASSEMBLY OF 3/8" AND LESS SHALL UTILIZE (2) STD-HEX NUTS IN LIEU OF JAM NUTS.
 - ALL WELDED CONNECTIONS SHALL CONFORM TO THE LATEST, REVISED CODE OF THE AMERICAN WELDING SOCIETY: A.W.S. D1.1



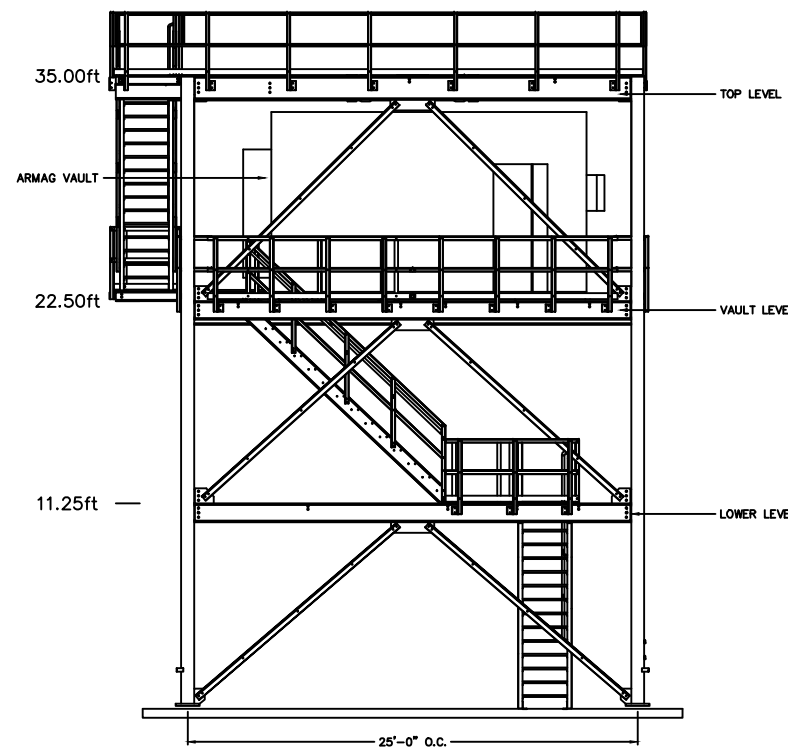
SOUTHEAST FACE ELEVATION



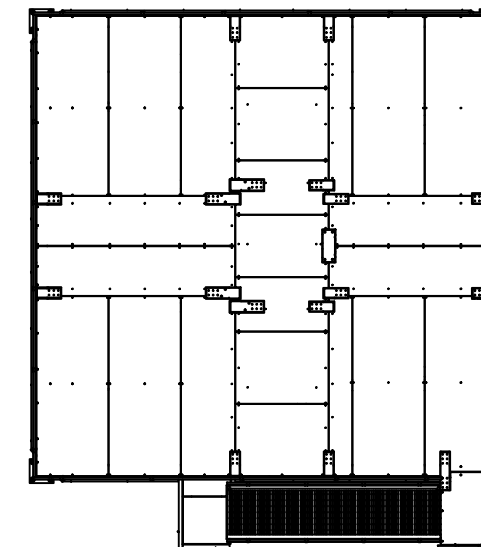
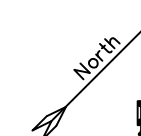
SOUTHWEST FACE ELEVATION



NORTHWEST FACE ELEVATION



NORTHEAST FACE ELEVATION



TOP DECK PLAN

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SCALE	DATE	DRAWN	
1:64	J. NEFF	APP'D	
MODEL: TRS-35	L. SWAGER		
35ft TRACKING RADAR TOWER ELEVATIONS			
DATE	DRAWING NUMBER		
02/24/22	3986-22-A01		