



- NOTES TO THE DESIGNER:
- PIT SERVICE SHALL BE INTEGRALLY CAST W/ 1/16" DEEP LETTERS.
 - METHOD OF PIT DRAINAGE SHALL BE AS DETERMINED BY THE COMMAND FUEL FACILITIES ENGINEER.
 - IF PIT DEPTH EXCEEDS 5'-0" A/E/ SHALL PROVIDE EXHAUST FANS FOR VENTILATION IF DIRECTED BY THE COMMAND FUELS FACILITIES ENGINEER. IF SO DIRECTED, DUCT FAN TO DRAW AIR 6" ABOVE PIT FLOOR.
 - PIPING MAYBE ABOVEGROUND IF EQUIPMENT FITS OVER ADAPTORS.
 - THESE PITS ARE USED WHEN PANTOGRAPHRS ARE USED IN PLACE OF HYDRANT HOSE TRUCKS AND AS DIRECTED BY COMMAND FUEL FACILITIES ENGINEER.
 - BRANCH LINE SIZE IS SIZE OF VALVE OR SIZE PER SURGE ANALYSIS.
 - PIT LID HINGE TO BE PARALLEL TO THE AIRCRAFT CENTERLINE AND LID TO OPEN TOWARD THE AIRCRAFT OR AS DIRECTED BY THE COMMAND FUEL FACILITIES ENGINEER. SEE SHEET P3.1
 - PROVIDE LEAK DETECTION PIPE AS DIRECTED BY THE COMMAND FUEL FACILITIES ENGINEER.
 - ALL PITS SHOWN ON THIS SHEET ARE FOR ON-APRON OR ON-SHOULDER USE.
 - REINFORCED CONCRETE FOR THE PANTOGRAPH FLUSH PIT SHALL BE DESIGNED FOR SITE SPECIFIC LOADINGS INCLUDING THE EFFECTS OF LATERAL EARTH PRESSURE, HYDROSTATIC PRESSURE AND THE EFFECTS OF SURCHARGE. DESIGN OF THE PIT SHALL INCORPORATE THE USE OF WATERSTOPS AT CONSTRUCTION JOINTS, ON THE FORM TIES, AND INCREASED CONCRETE COVER ON REBAR TO PREVENT CORROSION. SEE SHEET S9.3 FOR TYPICAL DETAILS. WHERE THE SOILS INVESTIGATION INDICATES THE WATER TABLE MAY RISE ABOVE THE FLOOR OF THE PIT OR WHERE PREVIOUS EXPERIENCE INDICATES WATER LEAKAGE HAS BEEN A PROBLEM IN BELOW GRADE STRUCTURES, ADDITIONAL MEASURES MAY BE REQUIRED TO CONTROL MOISTURE INFILTRATION INTO THE PIT. PIT WALL THICKNESS SHALL BE INCREASED IF REQUIRED TO MEET DESIGN CRITERIA.

REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED

\$\$\$ - THINK VALUE ENGINEERING - \$\$\$		
ROBERT AND COMPANY 96 POPLAR ST., N.W. ATLANTA, GA 30335	US ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NE	AIR FORCE C.E. SUPPORT AGENCY 139 BARNES DRIVE, SUITE #1 TYNDALL AFB, FL 32483-5314
DESIGNED BY: J. J. P.	AIR FORCE STANDARDS PRESSURIZED HYDRANT FUELING SYSTEM TYPE III	
DRAWN BY: P. R. W.	DETAILS	
CHECKED BY: M. T. S.	REVIEWED BY: S. G. E.	PLOT SCALE RATIO: 2 : 1 DESIGN FILE: SD18MD05.DGN SPEC. NO.:
DATE: REV. #1 NOV. 1998	SHEET REFERENCE NUMBER:	78-24-28-88
SUBMITTED BY: CHIEF: MECH. SECTION	DRAWING CODE:	AW 78-24-28
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