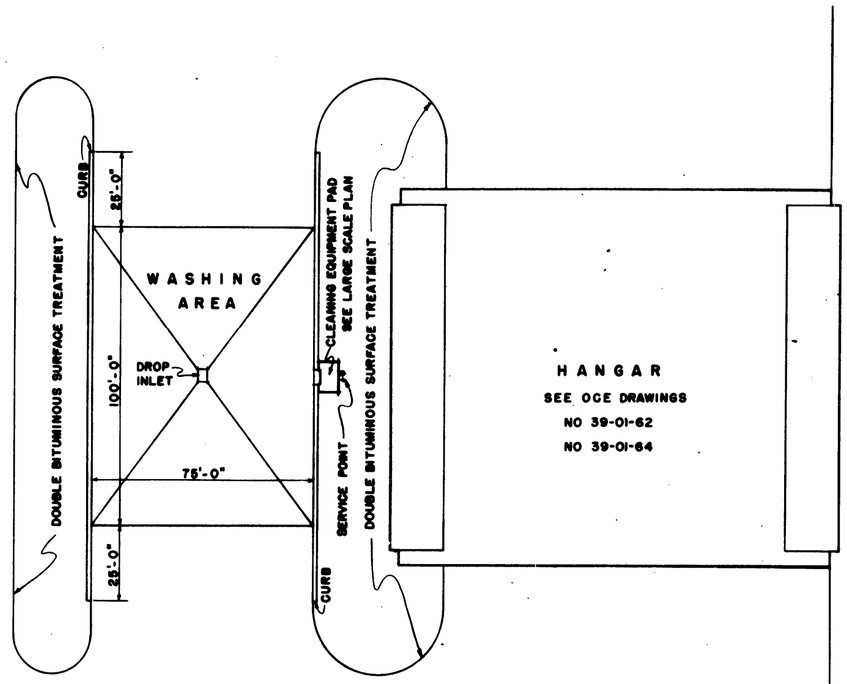
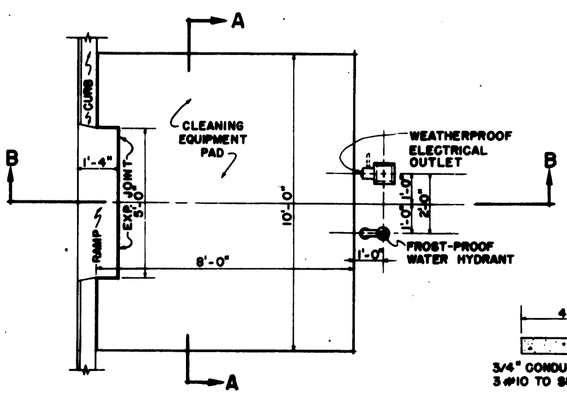
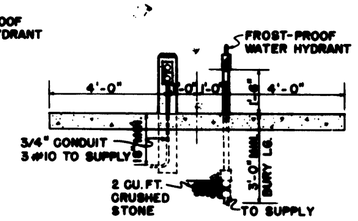


PLAN

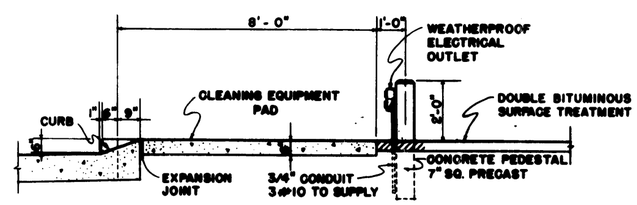
SCALE: 1" = 20'-0"



PLAN



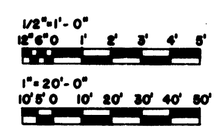
SECTION A-A



SECTION B-B

SERVICE POINT DETAILS

SCALE: 1/2" = 1'-0"



GRAPHIC SCALES

OUTLINE SPECIFICATIONS

1. AIRCRAFT WASHING AREA WILL INCLUDE ADEQUATE PIPE SIZES, VALVE CONTROLS AND ELECTRICAL OUTLETS AT SERVICE POINTS. SERVICE POINTS WILL CONTAIN THE FOLLOWING CONNECTIONS:

A. COLD WATER - COLD WATER PIPING AND VALVE TO ALLOW ATTACHMENT OF 3/4 INCH HOSE CONNECTION. SIZING WILL BE BASED ON 25 PSI TO A 125 PSI WATER PRESSURE. FROSTPROOF HYDRANT SHALL BE 3/4 INCH COMPRESSION VALVE DRY PIPE HYDRANT WITH CASING ENCLOSED. BURY LENGTH OF HYDRANT SHALL BE DETERMINED BY THE FROST DEPTH AND IN NO CASE LESS THAN (3) FEET. A DRAIN PIT CONSISTING OF NOT LESS THAN 2 - CUBIC FEET OF CRUSHED STONE SHALL BE PROVIDED.

B. ELECTRIC POWER - WEATHERPROOF 2-GANG TANDEM BOX. SURFACE MOUNTED WITH 2 SPRING DOOR HOUSINGS WITH RECEPTACLES: AND 2 VAPORTIGHT & WEATHERPROOF PLUGS WITH ATTACHMENT PLUG CAPS. RECEPTACLES TO BE RATED 20 AMP, 125 OR 250 VOLT, 2 WIRE, 3 POLE.

2. UTILITIES:

A. COLD WATER FROM POST SUPPLY WILL BE ROUTED THROUGH BOOSTER PUMP IF NECESSARY.

B. ELECTRIC POWER WILL BE CONNECTED TO POST POWER SUPPLY THROUGH NECESSARY SWITCHES AND CONTROLS.

C. DRAINAGE PIPES FROM AIRCRAFT WASHING AREAS ARE USUALLY CONNECTED TO STORM DRAINAGE SYSTEMS WHICH SHOULD HAVE ADEQUATE CAPACITY FOR BOTH WASTE AND STORM WATER FROM THE WASHING AREA. IN NO CASE SHOULD WASTE BE DISCHARGED INTO THE SANITARY SEWERS WITHOUT PRIOR ADEQUATE TREATMENT. THE POST COMMANDING OFFICER WILL BE CONSULTED BY THE DISTRICT ENGINEER TO DETERMINE WHETHER THE WASTE MAY BE DISCHARGED INTO THE STORM DRAINAGE SYSTEM WITHOUT TREATMENT.

3. ADEQUATE DRAINAGE WILL BE PROVIDED IN AND FROM EACH WASHING AREA. THE PAVED WASHING AREA SHOULD BE CONSTRUCTED WITH A SURFACE GRADIENT OF 1.5 PERCENT TO ASSURE POSITIVE DRAINAGE TO A WASTE DRAIN IN THE CENTER.

4. AIRCRAFT WASH WASTES WILL BE DISPOSED OF AS LOCAL CONDITIONS REQUIRE. WHERE TREATMENT OF SUCH WASTE IS REQUIRED PRIOR TO DISCHARGE INTO A WATER COURSE OR SEWER, FACILITIES THEREFOR WILL CONFORM TO THE REQUIREMENTS OF APPENDIX D OF EM 1110-345-346 (FORMERLY PART VIII, CHAPTER 6) OR OTHER SPECIAL INSTRUCTIONS.

5. FLOODLIGHTING WILL BE PROVIDED IF NIGHT AIRCRAFT WASHING IS REQUIRED. FLOODLIGHTS TO BE MOUNTED ON ADJACENT HANGAR OR OTHER STRUCTURES.

6. AIRCRAFT CLEANING EQUIPMENT WILL BE IN ACCORDANCE WITH MILITARY SPECIFICATION MIL-C-4035C.

7. DESIGN OF AIRCRAFT WASHING PAVED AREA WILL BE IN ACCORDANCE WITH EM 1110-3-311, EM 1110-3-313 (PART XVIII, CHAPTER 3, ENGINEERING MANUAL), AND EM 1110-3-314.

8. ELECTRICAL WORK WILL CONFORM TO THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE.

SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

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DRAWN BY: JG
TRACED BY:
DESIGNED BY: WAG
SUBMITTED:

ARMY AVIATION FACILITIES

AIRCRAFT WASHING AREA

PLANS, DETAILS & OUTLINE SPECIFICATIONS

DATE: 3 MAR 1958

APPROVED: CHIEF, DIV. OF ENGINEERING TROOP OPERATIONS
CHIEF, DIV. OF MILITARY CONSTRUCTION ENG.
DATE: 20 FEB. 1958

SCALE: AS SHOWN
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