

AMENDMENT, REVISED ENTIRE DRAWING	7/2/03	JWW
Symbol	Date	Appr

Designed by: JWW	Date: X	Rev. X
Dwn by: JWW	Design file no. m00LFD105.dgn	
Reviewed by: X	Draw code:	
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
KANSAS CITY, MISSOURI

CORROSION CONTROL FACILITIES, PHASE 1
DEMOLITION CORROSION CONTROL HANGARS (VOL. 2)
PROJECT NUMBER PR044500P1
MCCONNELL AFB, KANSAS

FIRE PROTECTION DEMOLITION
AND NEW WORK PLAN
BUILDING 1176

Sheet reference number:
D_FD105

REMOVE AFF CONCENTRATE PIPE

REPLACE MAGNATROL SOLENOID VALVE

SOLENOID PILOT VALVE

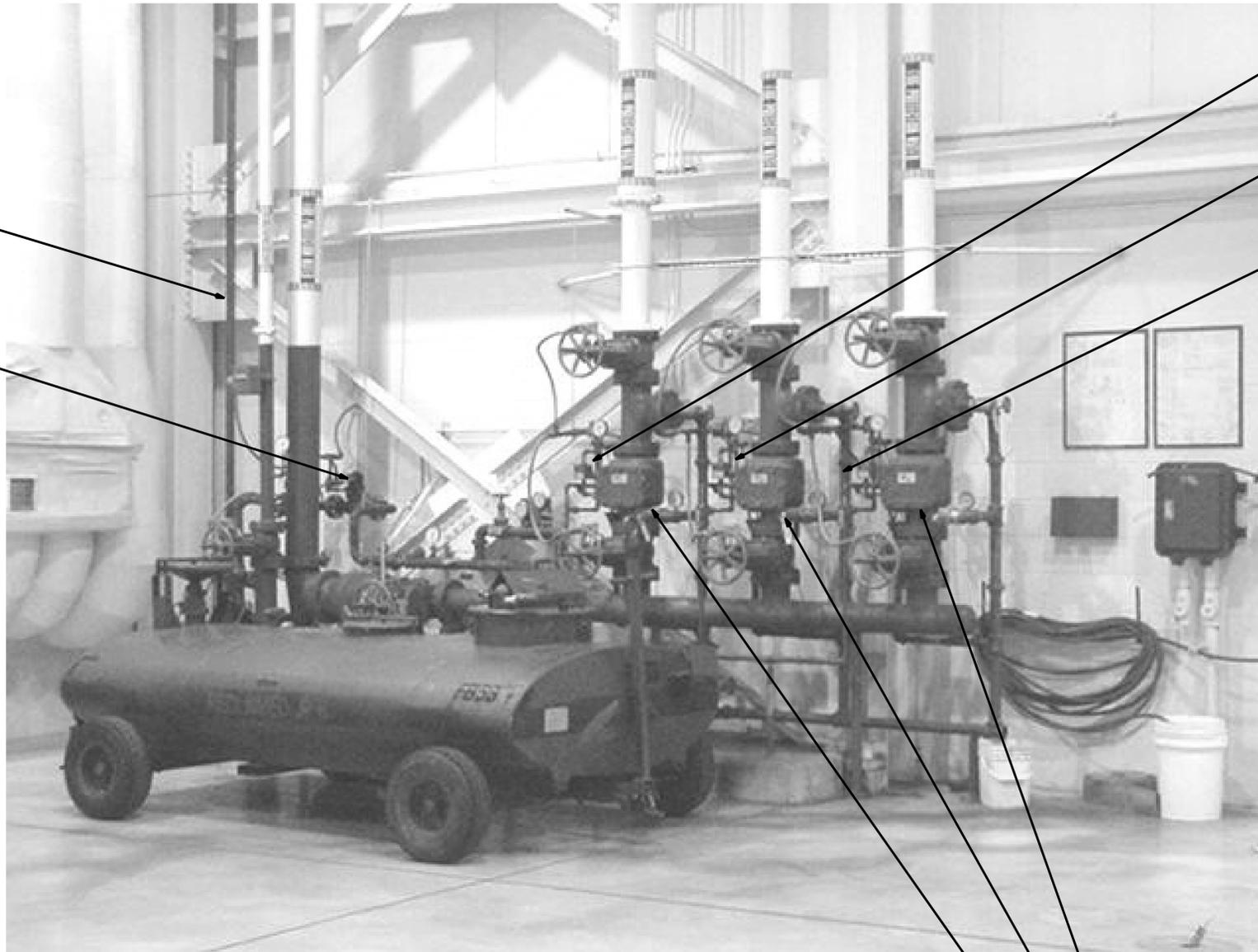
SOLENOID PILOT VALVE

SOLENOID PILOT VALVE

FIRE WATER DELUGE/PRE-ACTION VALVE

FIRE WATER DELUGE/PRE-ACTION VALVE

FIRE WATER DELUGE/PRE-ACTION VALVE



GENERAL NOTES

- BUILDING 1176, NORTH HANGAR BAY RISER SHOWN. THERE ARE TWO RISERS TO BE RENOVATED, ONE IN SOUTH BAY AND ONE IN NORTH BAY.
- MECHANICAL EQUIPMENT AND PIPING LOCATIONS SHOWN IN PHOTO ARE PRIMARILY FOR BIDDING PURPOSES. EXACT FIELD CONDITIONS MAY VARY ON OTHER RISER NOT SHOWN, AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. NOTIFY THE CONTRACTING OFFICER OF ANY DISCREPANCIES OR DIFFICULTIES WHICH SIGNIFICANTLY AFFECT THE WORK BEFORE PROCEEDING.
- REMOVE AFF CONCENTRATE MAGNATROL SOLENOID VALVE SHOWN ON NORTH BAY RISER, AND FOR REMAINING RISER IN THE SOUTH BAY (REPLACE TOTAL OF TWO MAGNATROL SOLENOID VALVES LOCATED ON RISERS). REPLACE WITH WATER ACTIVATED DELUGE TYPE VALVE DESIGNED FOR FOAM CONCENTRATE SERVICE. RE-PIPE PILOT PRIMING LINES, AND INSTALL ALL NECESSARY COMPONENTS, INCLUDING ANY NEEDED DIELECTRIC FITTINGS, FOR THE NEW AFF WATER ACTIVATED DELUGE VALVE FOR ACTIVATION USING THE EXISTING SOLENOID PILOT VALVES SHOWN THAT RELEASES THE WATER DELUGE/PRE-ACTION VALVES. THUS THE EXISTING SOLENOID PILOT VALVES SHOWN WILL ACTIVATE BOTH THE EXISTING FIRE WATER AND NEW AFF CONCENTRATE DELUGE TYPE VALVES. USE VIKING DELUGE VALVE - HALAR COATED OR GOVERNMENT APPROVED EQUAL, HALAR COATED FOAM CONCENTRATE VALVE USING WATER FOR PRIMING.
- REMOVE AFF CONCENTRATE VERTICAL PIPE ABOVE STAINLESS STEEL FLANGE AT FLOOR PENETRATION, INCLUDING REMOVAL OF TWO SUPERVISED SHUTOFF VALVES AND JOINT. INSTALL TWO NEW SUPERVISED SHUTOFF VALVES AND JOINT COMPATIBLE WITH STAINLESS STEEL. THIS APPLIES TO NORTH BAY RISER SHOWN AND SOUTH BAY RISER.
- EQUIPMENT, AND RELATED ITEMS, PROVIDED UNDER THIS CONTRACT SHALL COMPLY WITH, AND BE INSTALLED IN ACCORDANCE WITH, THE NATIONAL ELECTRICAL CODE, ARTICLE 513, EXCEPT AS NOTED IN THE FOLLOWING CRITERIA: THE ENTIRE HANGAR AREA, AND ADJACENT ROOMS AND AREAS NOT SUITABLY CUTOFF WITH AN 18 INCH HIGH SEPARATION BARRIER OR ELEVATED FLOOR, SHALL BE CLASSIFIED CLASS 1 DIVISION 2 UP TO 18 INCHES ABOVE THE FLOOR. ALSO, THE HANGAR AREA SHALL BE CLASSIFIED CLASS 1 DIVISION 2 UP TO THE HEIGHT OF THE HANGAR DOOR, EXCEPT WITHIN 2 FEET OF THE WALL AND HIGHER THAN 18 INCHES SHALL BE CLASSIFIED NON-HAZARDOUS. ANY PIT, TRENCH, TUNNEL, ETC. BELOW THE HANGAR FLOOR SHALL BE CLASSIFIED AS CLASS 1 DIVISION 1. BUILDING 1176 ROOMS CONTAINING TRENCH EXHAUST FANS EF-5, EF-12, EF-13, AND EF-19, SHALL BE CLASSIFIED CLASS 1 DIVISION 1 FROM FLOOR TO ROOF STRUCTURE, AND IN TUNNELS AND OTHER AREAS BELOW FLOOR LEVEL.

1 FIRE PROTECTION DEMOLITION AND NEW WORK PLAN, BUILDING 1176
SCALE: NONE