

REVISIONS  
DATE  
BY  
DESCRIPTION

SHEET  
REFERENCE  
NUMBER:  
**FP0.00**  
SHEET X OF XX

RENOVATE CLINIC  
BUILDING 1090  
LITTLE ROCK AFB, ARKANSAS  
**FIRE PROTECTION LEGEND,  
SCHEDULES, AND DETAILS  
AS-BUILT**

U.S. ARMY ENGINEERING AND SUPPORT CENTER  
CORPS OF ENGINEERS  
HUNTSVILLE, ALABAMA

DESIGNED BY: DATE: 08/04/2003

DRAWN BY: PROJECT NO: 6503

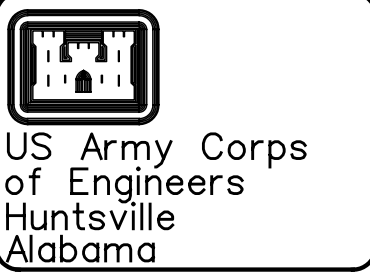
CHECKED BY: DRAWING CODE:

REVIEWED BY: SOLICITATION NUMBER:

EA RTH

FLM Design

REVISIONS AS-BUILT	8/07/2005	10/31/2003	10/14/2003	DATE
ISSUED FOR FINAL WORK PLAN				
APPENDIX 1				
ISSUED FOR CONSTRUCTION				
SYMBOL	AMENDMENT	DESCRIPTION	DATE	APPROVED



## FIRE PROTECTION DATA

### MECHANICAL/STORAGE ROOMS

OCCUPANCY CLASSIFICATION: ————— ORDINARY HAZARD GROUP 1  
SPRINKLER SYSTEM DESCRIPTION: ————— WET PIPE  
DENSITY: ————— 15 GPM/SQ. FT.  
HYDRAULIC REMOTE AREA: ————— 3000 SQ. FT.  
SPRINKLER ORIFICE SIZE: ————— 1/2"  
HOSE STREAM ALLOWANCE: ————— 500 GPM  
DURATION OF SUPPLY: ————— 60 MIN.  
MAXIMUM COVERAGE/SPRINKLER HEAD: ————— 130 SQ. FT.

### ENTIRE BUILDING

OCCUPANCY CLASSIFICATION: ————— LIGHT HAZARD  
SPRINKLER SYSTEM DESCRIPTION: ————— WET PIPE  
DENSITY: ————— 10 GPM/SQ. FT.  
HYDRAULIC REMOTE AREA: ————— 3000 SQ. FT.  
SPRINKLER ORIFICE SIZE: ————— 1/2"  
HOSE STREAM ALLOWANCE: ————— 250 GPM  
DURATION OF SUPPLY: ————— 45 MIN.  
MAXIMUM COVERAGE/SPRINKLER HEAD: ————— 225 SQ. FT.

### DESIGN CRITERIA:

THE FOLLOWING PUBLICATIONS SHALL BE USED AS A REFERENCE FOR DESIGN OF THE FIRE PROTECTION SYSTEM ON THIS PROJECT:

MILITARY HANDBOOK UFC 3-600-01, FIRE PROTECTION ENGINEERING FOR FACILITIES, 17 APRIL 2003

UFC 1-200-01, DESIGN-GENERAL BUILDING REQUIREMENTS, 31 JULY 2002

MILITARY HANDBOOK 1191, MEDICAL MILITARY FACILITIES, 09 JULY 2002

NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS, 2002

NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPE, PRIVATE HYDRANT, AND HOSE SYSTEMS, 2000

NFPA 20, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION, 1999

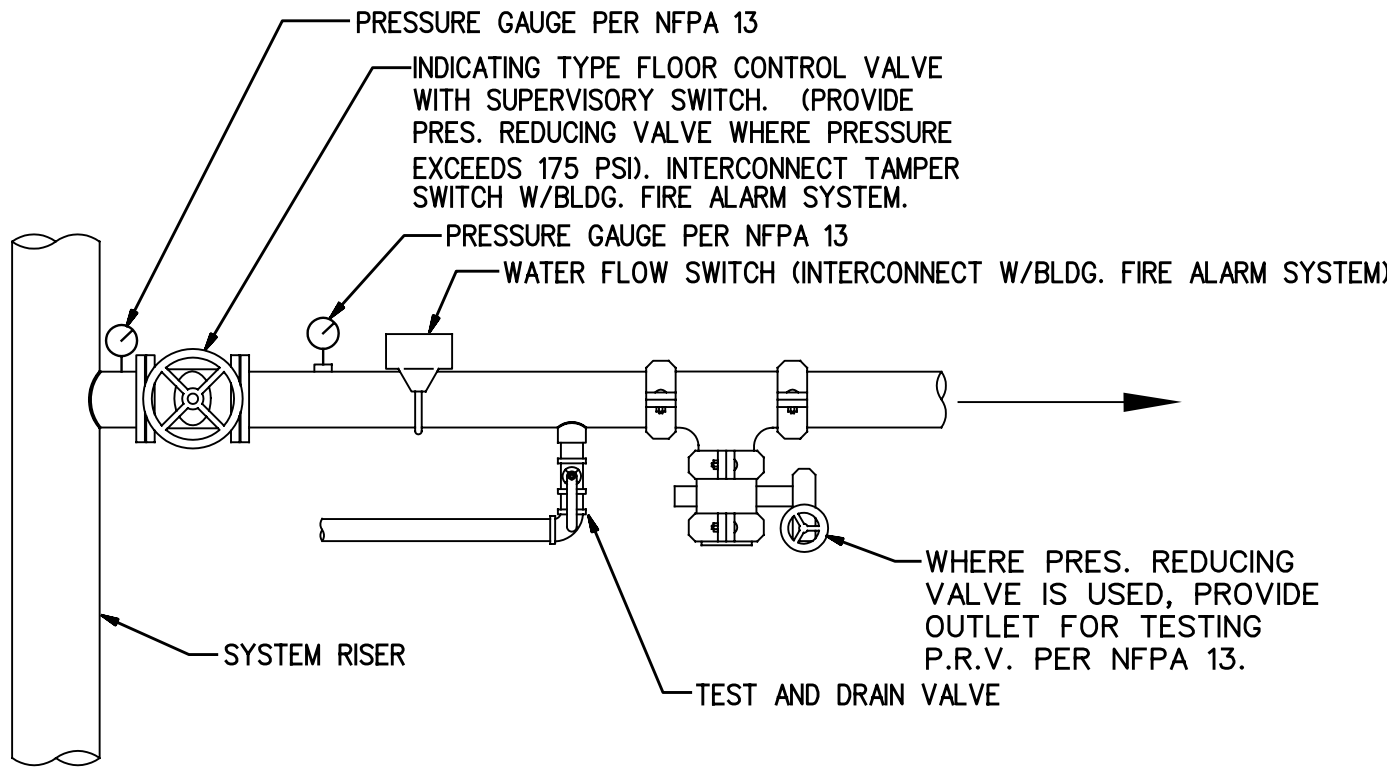
NFPA 101, LIFE SAFETY CODE, 2003

### GENERAL NOTES:

- CONTRACTOR SHALL PERFORM FLOW TEST ON EXISTING FIRE MAIN. CONTRACTOR SHALL PROVIDE A SET OF HYDRAULIC CALCULATIONS BASED ON HIS OWN FLOW TEST INFORMATION.
- AUXILIARY DRAINS SHALL BE INSTALLED WHERE REQUIRED.
- COORDINATE PIPE ROUTING WITH DUCT ROUTING, EQUIPMENT LOCATIONS, ELECTRICAL INSTALLATIONS, AND BUILDING STRUCTURAL MEMBERS. OFFSET PIPING WHERE REQUIRED TO AVOID CONFLICTS. DO NOT PENETRATE ANY STRUCTURAL BEAM. NOTIFY CONTRACTING OFFICER OF ANY CONFLICTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN FIRE PROTECTION SYSTEM DESIGN AND SHOP DRAWINGS. CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE ABOVE REFERENCED CODES.
- THE BUILDING UNDER CONTRACT SHALL BE 100% SPRINKLERED IN ACCORDANCE WITH FIRE PROTECTION DATA LISTED ON THIS SHEET AND THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS.
- SPRINKLERS SHALL BE CENTERED IN CEILING TILES IN AREAS WITH LAY-IN TILES AND VISUALLY ALIGNED IN AREAS WITH SMOOTH CEILINGS.
- ALL SPRINKLER INSTALLED IN MECHANICAL ROOMS, STORAGE ROOMS AND JANITOR'S CLOSET SHALL BE PROTECTED WITH LISTED GUARDS.
- CONTRACTOR SHALL ANTICIPATE OFFSETTING OF SPRINKLER PIPING TO AVOID CONFLICTS WITH EXISTING CONDITIONS. PIPING MUST PASS ALL SPECIFIED LEAK INTEGRITY TESTS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AREA OF WORK THROUGHOUT INSTALLATION AND SHALL REPAIR OR REPLACE ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PATCH ALL HOLES IN AREAS AFFECTED BY THE CONSTRUCTION. CONTRACTOR SHALL CAREFULLY SURVEY EXISTING CONDITIONS PRIOR TO STARTING WORK AND SHALL REPORT ANY CONFLICTS TO THE CONTRACTING OFFICER. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERABLE SYSTEM IN COMPLIANCE WITH ALL CODES REFERENCE ABOVE. CONTRACTOR SHALL REMOVE AND REPLACE CEILINGS AS REQUIRED.
- SPRINKLERS SHALL BE QUICK RESPONSE TYPE THROUGHOUT BUILDING. CONTRACTOR SHALL BASE PRICE ON REPLACING 500 STANDARD RESPONSE SPRINKLERS W/NEW QUICK RESPONSE SPRINKLERS. PROVIDE UNIT PRICES FOR MORE AND LESS SPRINKLERS.
- PROVIDE DRY PIPE SYSTEM AT ALL EXTERIOR CANOPIES (UNLESS OTHERWISE NOTED) INCLUDING MAIN DRIVE-THROUGH CANOPY AT FRONT ENTRANCE AND EMERGENCY AREA DRIVE-THROUGH CANOPY.
- SPRINKLERS SHALL BE PROVIDED IN ELEVATOR EQUIPMENT ROOMS AND AT BOTTOM OF ELEVATOR SHAFT PER NFPA 13. DO NOT INSTALL SPRINKLERS AT TOP OF ELEVATOR SHAFTS.
- ALL EXISTING SPRINKLER SYSTEMS TO REMAIN SHALL BE SUPPLIED BY THE CLASS 1 STANDPIPE SYSTEMS.
- CONTRACTOR TO MAINTAIN ZONING AREAS. THE AREAS NOT IN SCOPE UNDER THIS PROJECT SHALL REMAIN FULLY OPERATIONAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENT OF HEIGHTS IN CEILINGS AND AREAS OF EXISTING MANS FOR NEW CEILING HEIGHTS, CONFLICT WITH NEW DUCT, HOT WATER HEATING AND CHILLED WATER PIPING, DOMESTIC HOT AND COLD WATER PIPING, ELECTRICAL CONDUITS AND BUS DUCTS.

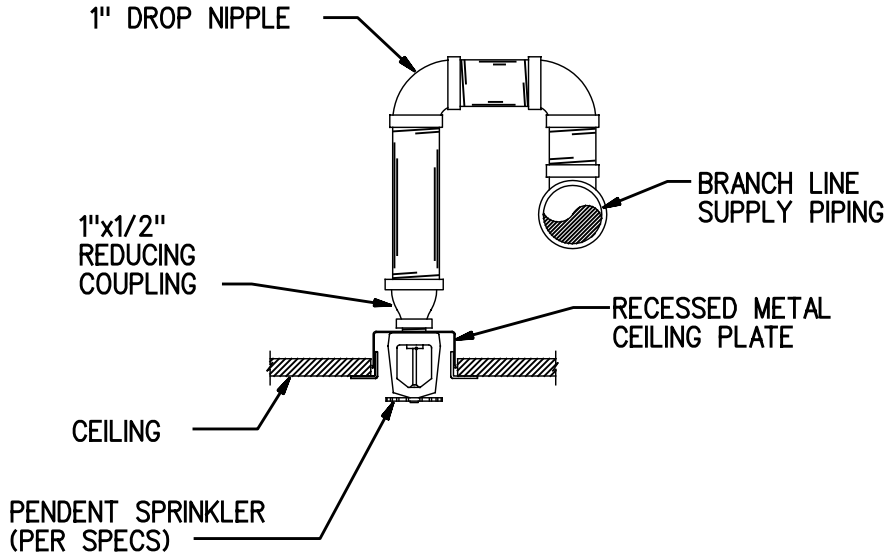
## LEGEND

////////// DEMO



## FLOOR CONTROL VALVE DETAIL

NOT TO SCALE



## TYPICAL DROP TO PENDANT SPRINKLER

NOT TO SCALE