

FIRE PROTECTION GENERAL NOTES

NOTES APPLY TO ALL FP DRAWINGS












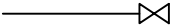
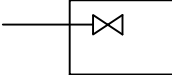
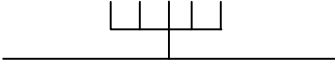


1. THE DRAWINGS INDICATE AND SPECIFY THE DESIGN INTENT. THE DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC AND ARE NOT INTENDED TO INDICATE CONSTRUCTION DETAILS AND ROUTING UNLESS SPECIFICALLY INDICATED. THE SPECIFICATIONS ESTABLISH MINIMUM PERFORMANCE AND PRODUCT INSTALLATION REQUIREMENTS.
2. FIRE PROTECTION DESIGN SHALL COMPLY WITH THE LATEST EDITIONS OF NFPA 13 AND 2006 INTERNATIONAL FIRE CODE.
3. COORDINATE ALL POINTS OF CONNECTIONS WITH SITE UTILITY CONTRACTOR.
4. COORDINATE FIRE PROTECTION WATER ENTRY W/OTHER CONTACTORS.
5. COORDINATE SLAB AND WALL PENETRATIONS W/GENERAL CONTACTOR.
6. COORDINATE ALL PIPING ROUTING AND EQUIPMENT LOCATIONS W/OTHER TRADES.
7. SUBMIT ALL FIRE PROTECTION SHOP DRAWING AND HYDRAULIC CALCULATIONS WITH RELATED EQUIPMENT AND COMPONENT CUTS TO LOCAL AHJ AND ARCHITECT.

FIRE PROTECTION PIPING MATERIALS

1. UNDERGROUND FIRE LINE
DUCTILE IRON.
2. BACKFLOW PREVENTER
DOUBLE CHECK BACKFLOW ASSEMBLY WITH TAMPER SWITCHES OR CHAIN AND LOCK PER LOCAL REQUIREMENTS,, LOCATED AT THE CITY WATER MAIN, AS MANUFACTURED BY ZURN, AMES OR WATTS.
3. RISER VALVE ASSEMBLY
VICTAULIC, TYCO OR RELIABLE.
4. FIRE DEPARTMENT CONNECTION
REMOTE AT BACKFLOW PREVENTER.
5. ABOVEGROUND SPRINKLER PIPING
MATERIALS: PIPING 2" AND SMALLER SCHEDULE 40 BLACK STEEL WITH SCREWED FITTINGS 2-1/2" AND LARGER BLACK STEEL, THIN WALL OR SCHEDULE 10 WITH "FIRELOCK" VICTAULIC FITTINGS. ALL PIPING AND INSTALLATION METHODS SHALL COMPLY WITH NFPA 13.
6. SPRINKLERS
QUICK RESPONSE, RECESSED, CONCEALED. IN AREAS WITH SUSPENDED CEILING TILES PROVIDE FLEXIBLE DROPS AS MANUFACTURED BY AQUAFLEX/VICTAULIC. SPRINKLERS SHALL BE AS MANUFACTURED BY VICTAULIC, TYCO, RELIABLE OR APPROVED EQUAL. USE AQUA FLEX SPRINKLERS IN SUSPENDED CEILING.
7. SPRINKLER CONTRACTOR SHALL PROVIDE ELECTRIC BELL ON OUTSIDE WALL, FLOW SWITCHES AND TAMPER SWITCHES ON ALL VALVES. WIRING BY ELECTRICAL CONTRACTOR.

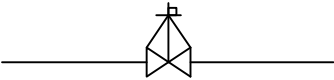
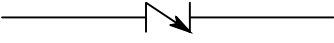
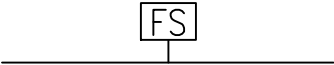
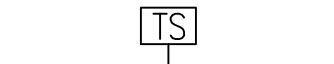
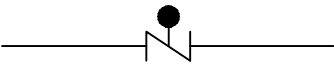
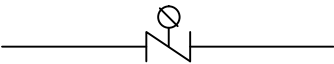


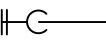
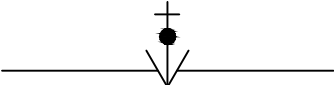
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| | | | | FIRE PROTECTION GENERAL NOTES AND FIRE PROTECTION PIPING MATERIALS | |
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FIRE PROTECTION SYMBOLS

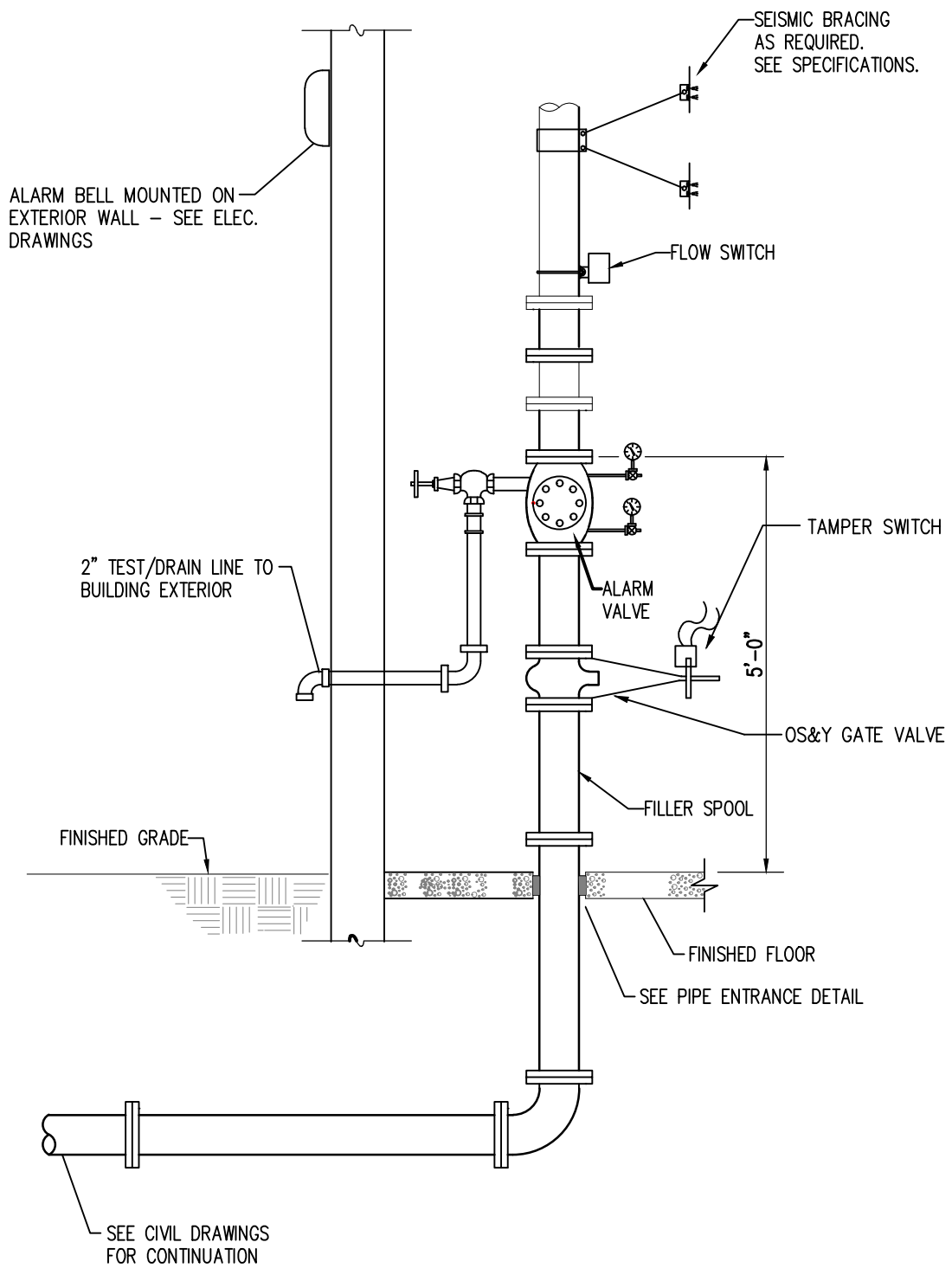
| <u>SYMBOL</u> | <u>DESCRIPTION</u> |
|---|--|
|  | FIRE PROTECTION PIPING |
|  | SPRINKLER PIPING |
|  | SPRINKLER/ STANDPIPE PIPING |
|  | SIDEWALL SPRINKLER |
|  | PENDANT SPRINKLER |
|  | UPRIGHT SPRINKLER |
|  | CONCEALED SPRINKLER |
|  | SEMI-RECESSED SPRINKLER |
|  | BACKFLOW PREVENTER (TYPE AS INDICATED) |
|  | THROUGH THE WALL, FIRE DEPARTMENT CONNECTION (SIAMESE) |
|  | FREE STANDING, FIRE DEPARTMENT CONNECTION (SIAMESE) |
|  | FIRE DEPARTMENT HOSE VALVE (FDV) |
|  | FIRE HOSE VALVE IN CABINET |
|  | FIRE PUMP TEST HEADER |
|  | BELL OR GONG |
|  | HORN |

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| | | | | FIRE PROTECTION SYMBOLS | |
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FIRE PROTECTION SYMBOLS (CONT.)

| <u>SYMBOL</u> | <u>DESCRIPTION</u> |
|---|-----------------------------|
|  | VALVE W/TAMPER SWITCH |
|  | CHECK VALVE |
|  | FLOW SWITCH |
|  | TAMPER SWITCH |
|  | ALARM CHECK VALVE |
|  | DRY PIPE VALVE |
|  | DELUGE VALVE |
|  | PRE-ACTION VALVE |
|  | INSPECTOR'S TEST CONNECTION |
|  | POST INDICATING VALVE |

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| | | | | FIRE PROTECTION SYMBOLS – CONTINUED | |
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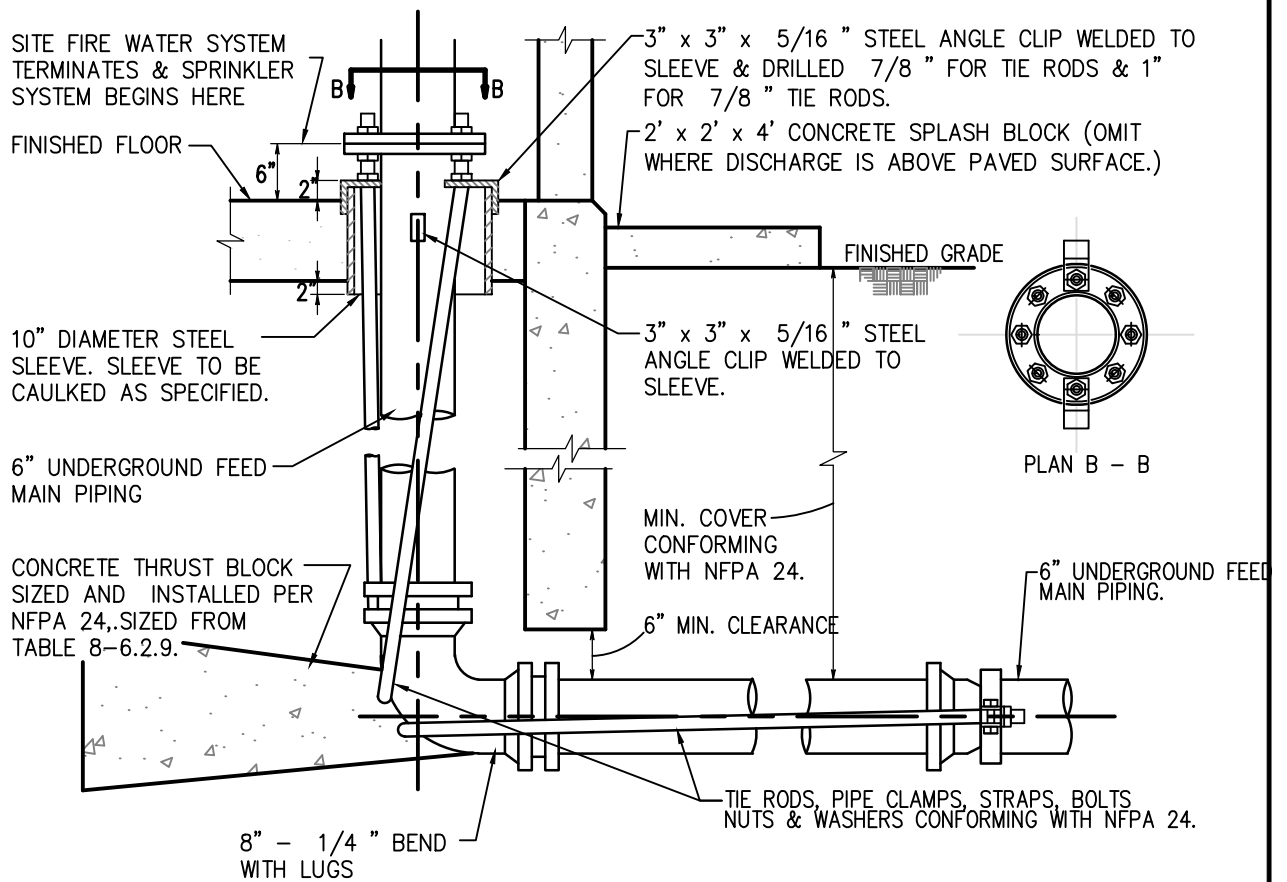
FIRE PROTECTION RISER DETAIL

FIRE PROTECTION RISER DETAIL

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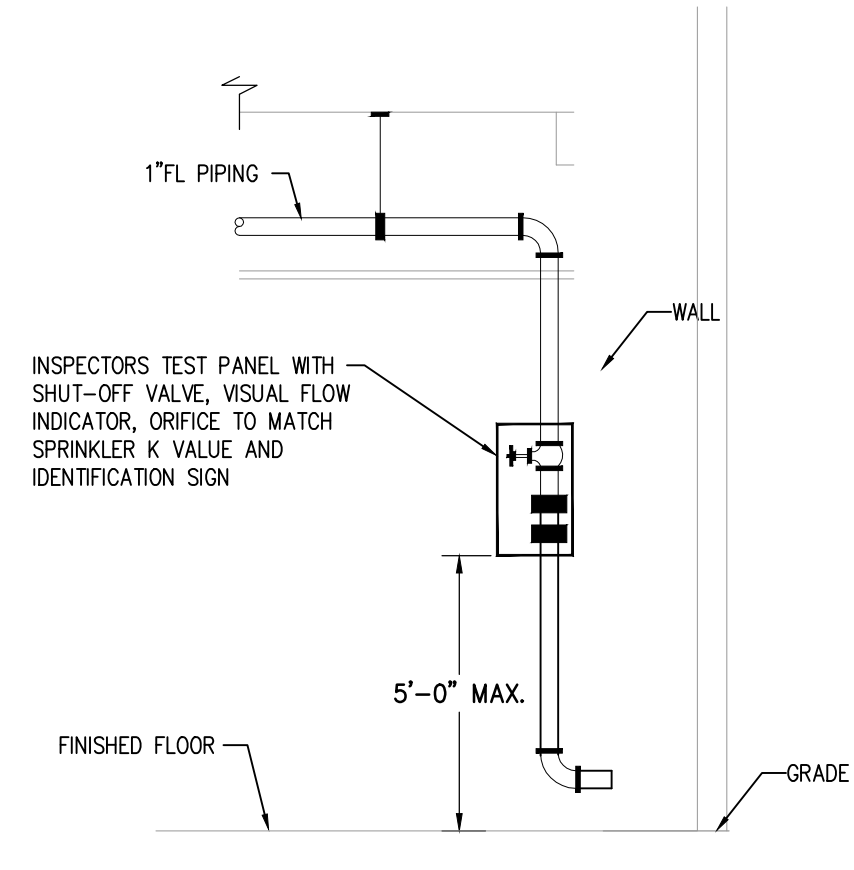
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FD-D3



PIPE ENTRANCE DETAIL

| | | | | PIPE ENTRANCE DETAIL | |
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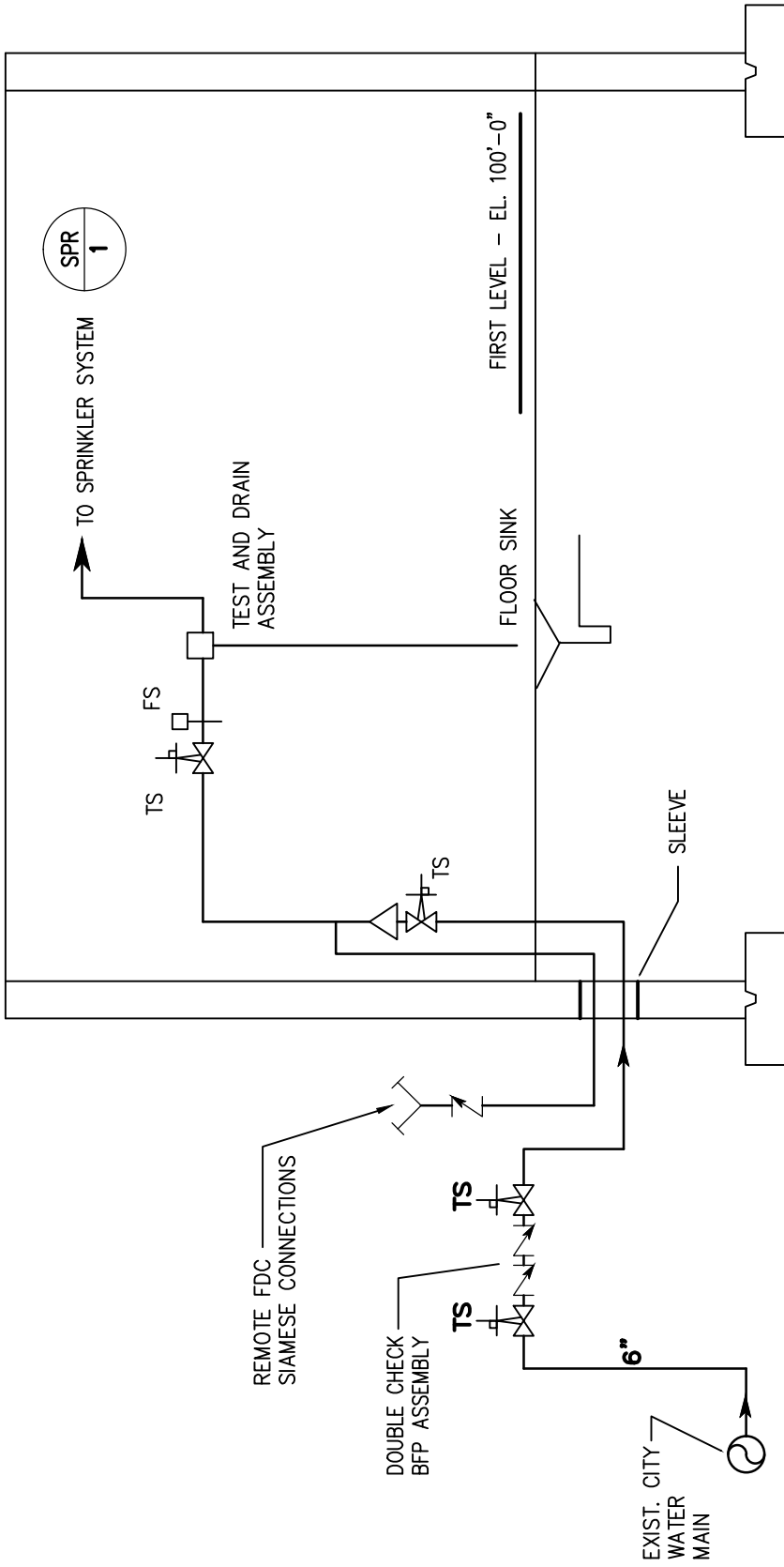


1" INSPECTORS TEST
DRAIN TO FIRST FLOOR

FIRE SPRINKLER TEST STATION

| | | | | | | |
|------------------------|------------------|---------------------|------|--|--|--------------|
| | | | | FIRE SPRINKLER TEST STATION | | |
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ROOF LEVEL EL. 120'-0"



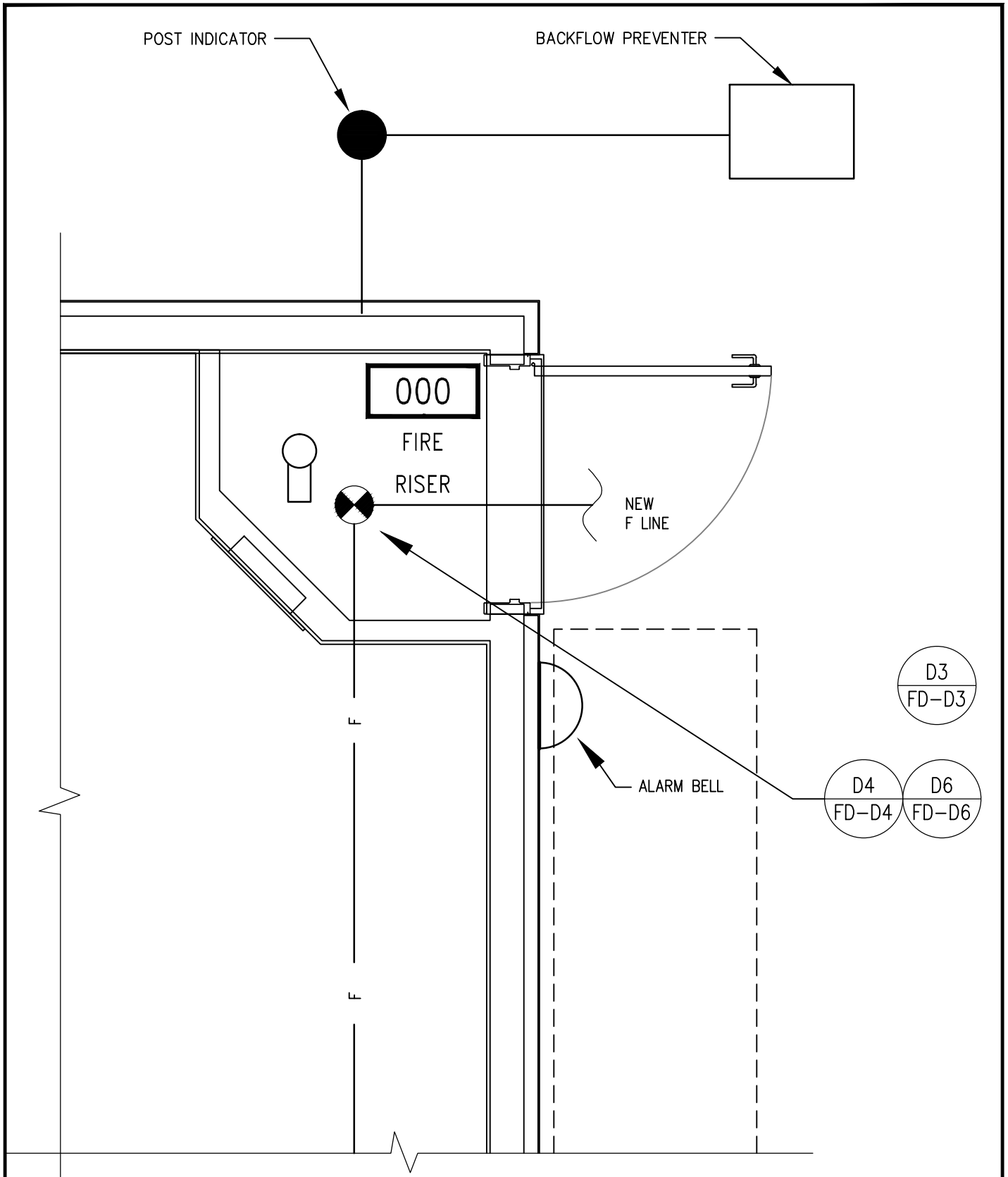
BUILDING 2 FIRE PROTECTION RISER DETAIL

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BUILDING 2 FIRE PROTECTION RISER DETAIL

New Mexico State University

FD-D6



FLOOR PLAN - FIRE EQUIPMENT CLOSET

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| | | | | FLOOR PLAN - FIRE EQUIPMENT CLOSET | |
| REVISION | DESCRIPTION | BY | DATE | New Mexico State University FD-D7 | |
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