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 CONTRACTOR.

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.
### FIRE PROTECTION SYMBOLS

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>F</td>
<td>FIRE PROTECTION PIPING</td>
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<tr>
<td>SPR</td>
<td>SPRINKLER PIPING</td>
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<tr>
<td>SPR/STP</td>
<td>SPRINKLER/ STANDPIPE PIPING</td>
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<tr>
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<td>SEMI-RECESSED SPRINKLER</td>
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<td>BFP</td>
<td>BACKFLOW PREVENTER (TYPE AS INDICATED)</td>
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<tr>
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<td>THROUGH THE WALL, FIRE DEPARTMENT CONNECTION (SIAMESE)</td>
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<tr>
<td>⬇️</td>
<td>FREE STANDING, FIRE DEPARTMENT CONNECTION (SIAMESE)</td>
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<td>▶️</td>
<td>FIRE DEPARTMENT HOSE VALVE (FDV)</td>
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<td>FIRE HOSE VALVE IN CABINET</td>
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<tr>
<td></td>
<td>FIRE PUMP TEST HEADER</td>
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<tr>
<td>□</td>
<td>Bell or Gong</td>
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<tr>
<td>☢️</td>
<td>Horn</td>
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**New Mexico State University**

**FD-D2**

**FILE:** DIR\FD-D2  **PLOT SIZE:** 8.5 x 11
FIRE PROTECTION SYMBOLS (CONT.)

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<td>VALVE W/TAMPER SWITCH</td>
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<td>POST INDICATING VALVE</td>
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ALARM BELL MOUNTED ON EXTERIOR WALL - SEE ELEC. DRAWINGS

2" TEST/DRAIN LINE TO BUILDING EXTERIOR

ALARM VALVE

FLOW SWITCH

TAMPER SWITCH

OS&Y GATE VALVE

FILLER SPOOL

FINISHED FLOOR

SEE PIPE ENTRANCE DETAIL

FINISHED GRADE

SEE CIVIL DRAWINGS FOR CONTINUATION

FIRE PROTECTION RISER DETAIL
SITE FIRE WATER SYSTEM TERMINATES & SPRINKLER SYSTEM BEGINS HERE
FINISHED FLOOR

10" DIAMETER STEEL SLEEVE. SLEEVE TO BE CAULKED AS SPECIFIED.
6" UNDERGROUND FEED MAIN PIPING

CONCRETE THRUST BLOCK SIZED AND INSTALLED PER NFPA 24. SIZED FROM TABLE 8-6.2.9.

3" x 3" x 5/16" STEEL ANGLE CLIP WELDED TO SLEEVE & DRILLED 7/8" FOR TIE RODS & 1" FOR 7/8" TIE RODS.

2' x 2' x 4' CONCRETE SPLASH BLOCK (OMIT WHERE DISCHARGE IS ABOVE PAVED SURFACE.)

PLAN B - B

MIN. COVER CONFORMING WITH NFPA 24.

6" MIN. CLEARANCE

TIE RODS, PIPE CLAMPS, STRAPS, BOLTS, NUTS & WASHERS CONFORMING WITH NFPA 24.

8" - 1/4" BEND WITH LUGS

FINISHED GRADE

PIPE ENTRANCE DETAIL

New Mexico State University

FD-D4
FIRE SPRINKLER TEST STATION

1" INSPECTORS TEST
DRAIN TO FIRST FLOOR

INSPECTORS TEST PANEL WITH
SHUT-OFF VALVE, VISUAL FLOW
INDICATOR, ORIFICE TO MATCH
SPRINKLER K VALUE AND
IDENTIFICATION SIGN

1" FL PIPING

WALL

FINISHED FLOOR

GRADE

5'-0" MAX.