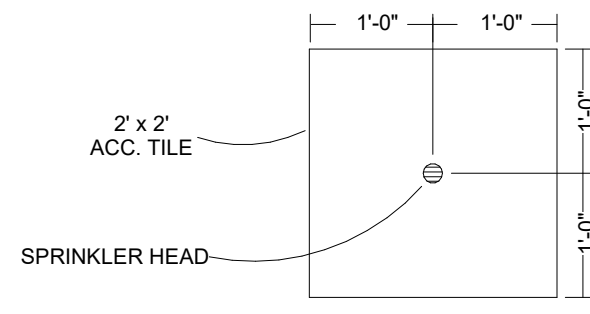
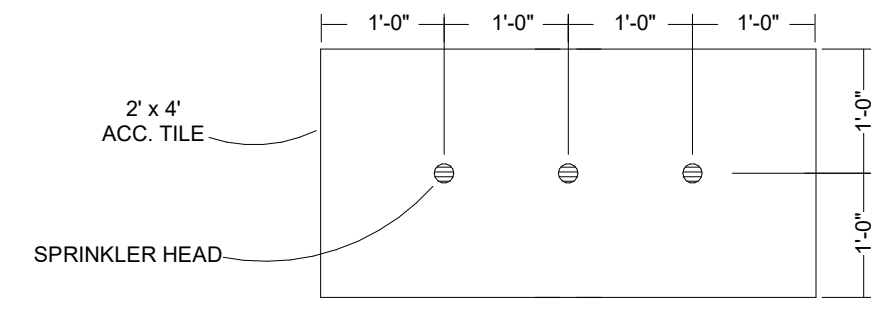


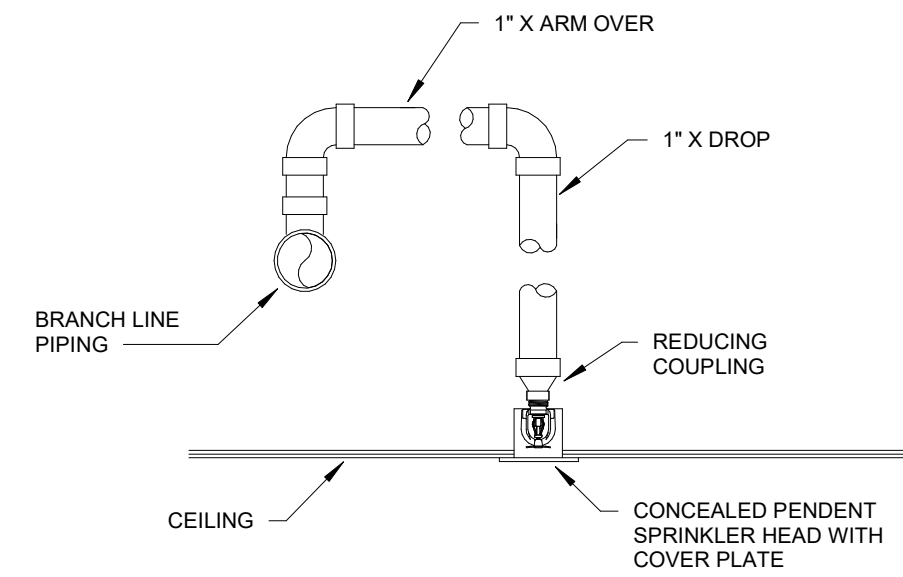
1 CENTER LINE OF 2' TILE DETAIL
NOT TO SCALE



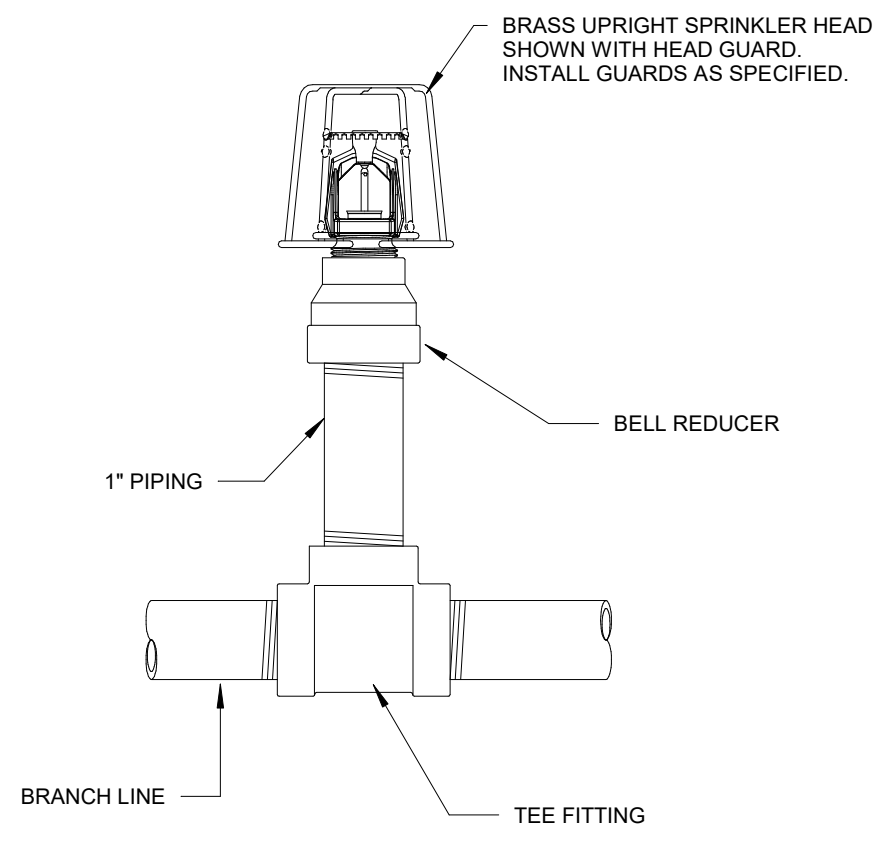
2 CENTER LINE OF 4' TILE DETAIL
NOT TO SCALE:



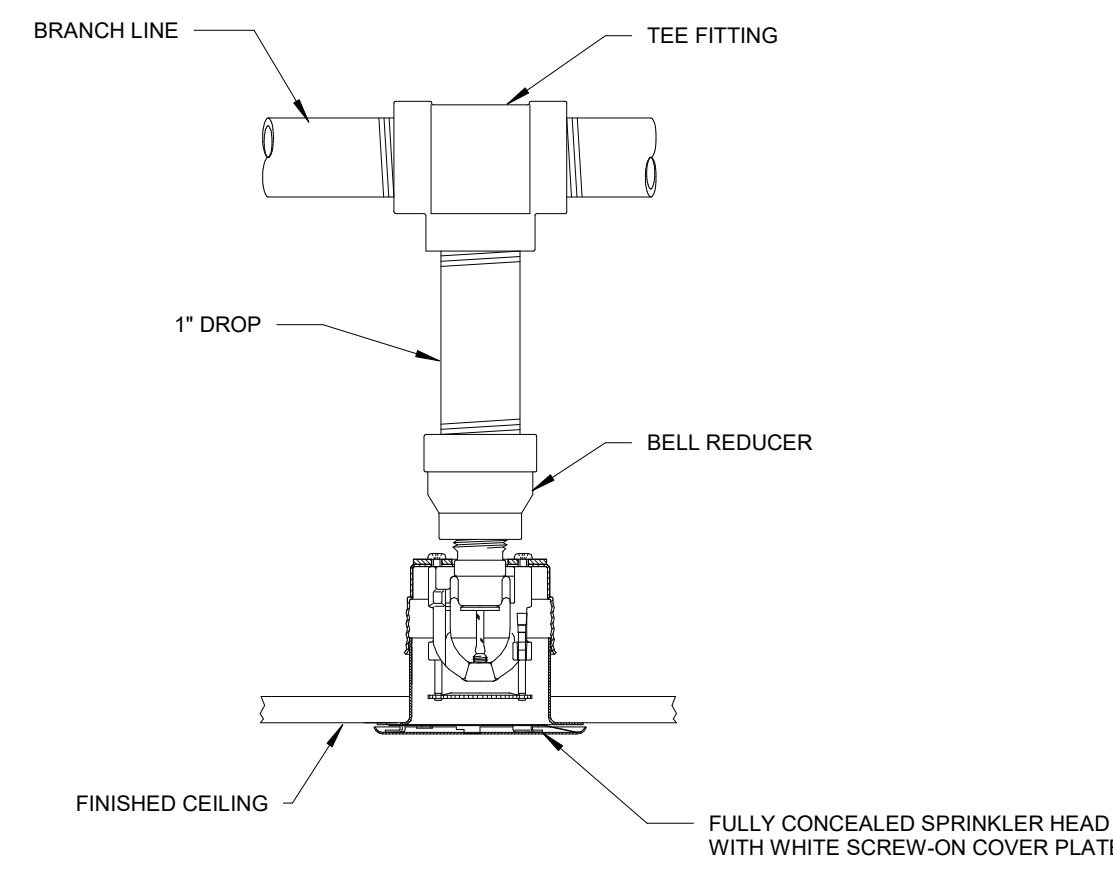
3 RETURN BEND DETAIL
NOT TO SCALE:



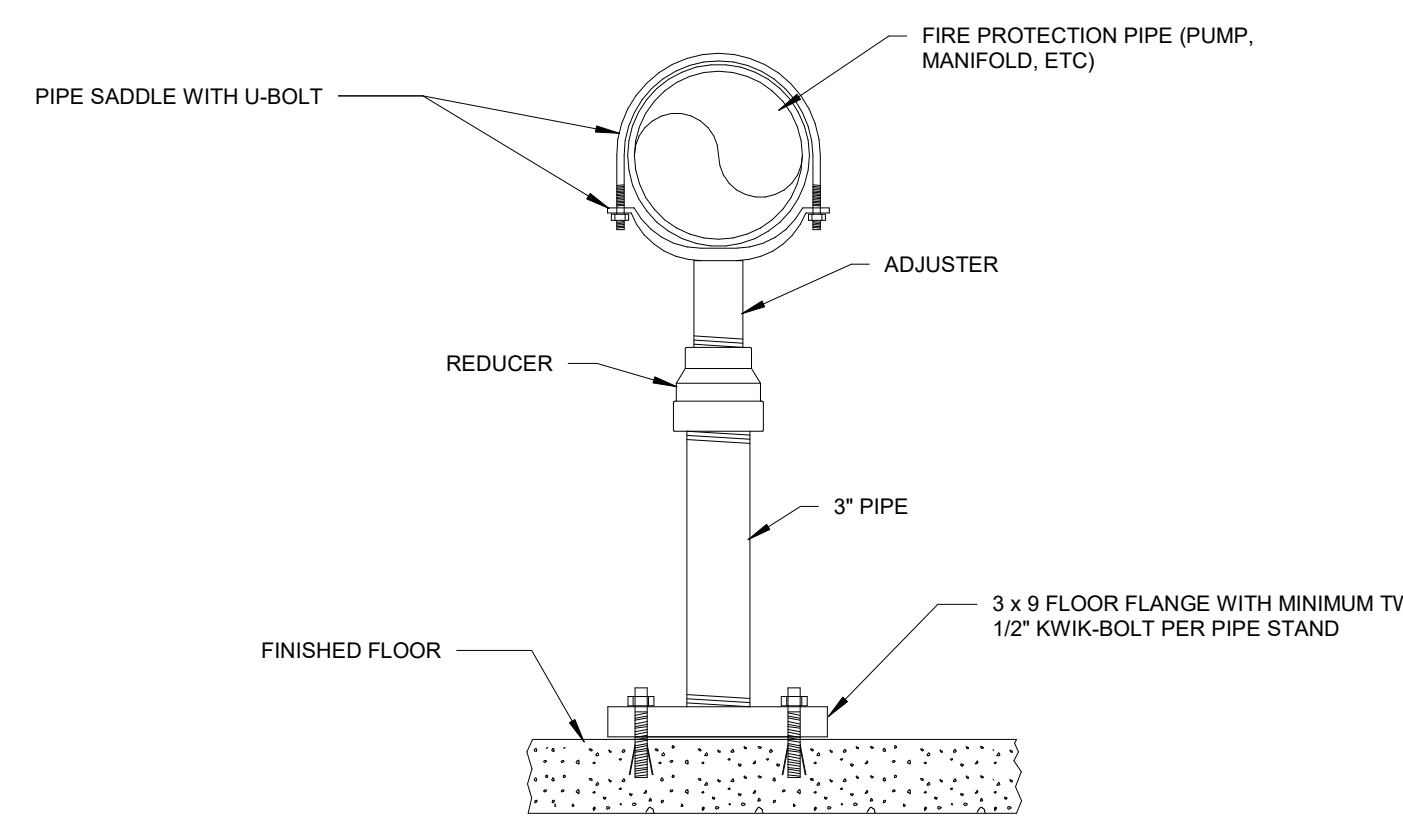
4 UPRIGHT SPRINKLER HEAD ON 1\"/>



5 CONCEALED SPRINKLER HEAD DETAIL
NOT TO SCALE

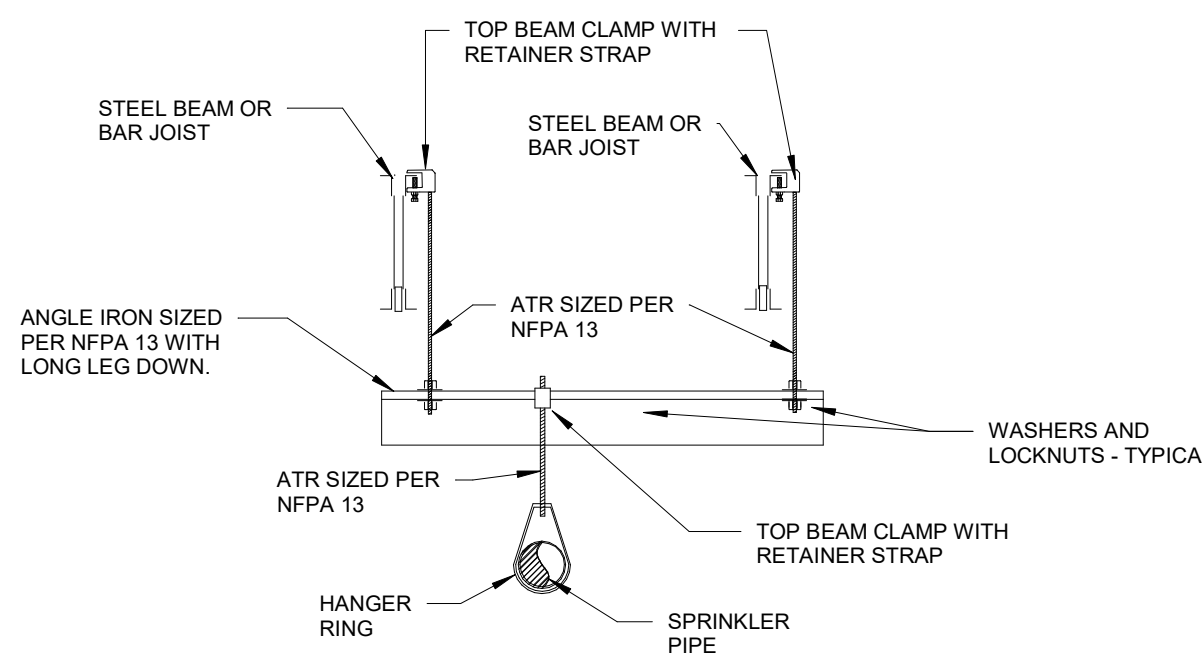


6 ADJUSTABLE PIPE STAND WITH U-BOLT
NOT TO SCALE

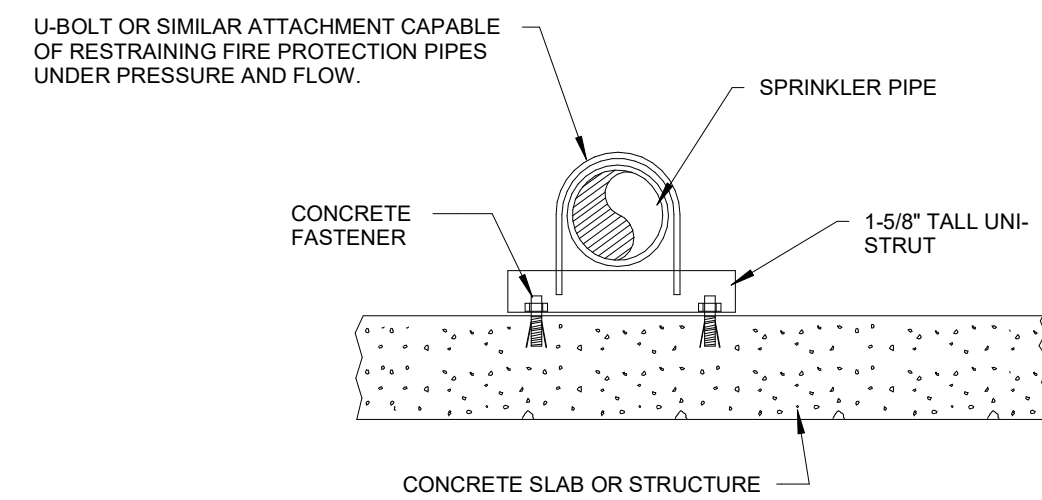


ADJUSTABLE PIPE STANDS:
NFPA 13 REQUIRES THAT PIPE STANDS BE "APPROVED" AS SUCH, COMMERCIALY MANUFACTURED, ADJUSTABLE PIPE STANDS WITH U-BOLTS HAVE BEEN SPECIFIED AND SHOWN HEREIN. UNDER NO CIRCUMSTANCES SHALL "HOMEMADE" NON-APPROVED PIPE STANDS BE ACCEPTED OR TOLLERATED. ADDITIONALLY, NFPA REQUIRES THE BUILDING TO SUPPORT THE FIRE PROTECTION SYSTEM(S) AND IT SHALL NOT BE PERMISSIBLE TO ALLOW UNDERGROUND LEAD-INS, SUCH AS FOR THE FIRE MAIN AND FDC LINES, TO BEAR THE LOAD OF THE HORIZONTAL BACKFLOW PREVENTION ASSEMBLY, MANIFOLD OR RISERS. AS A MINIMUM PROVIDE THE QUANTITY OF PIPE STANDS SHOWN IN THESE DETAILS.

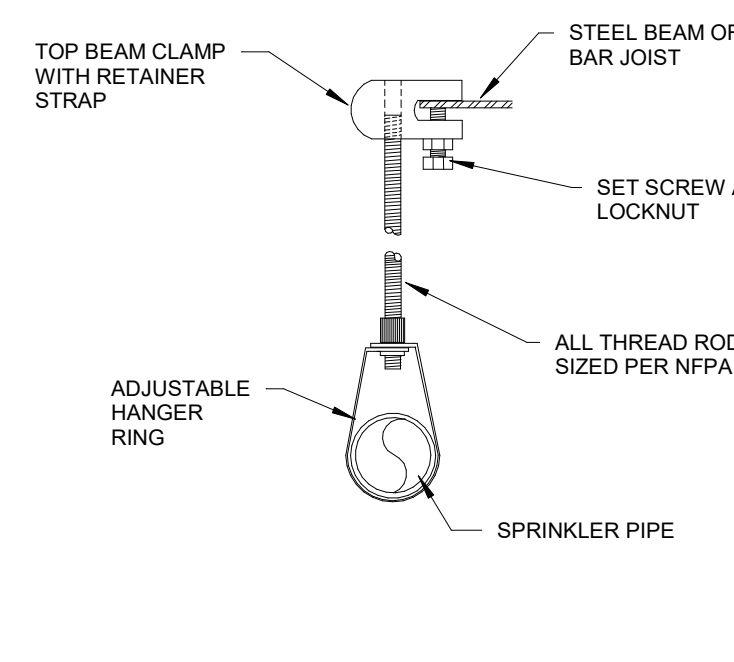
7 TRAPEZE HANGER DETAIL
NOT TO SCALE



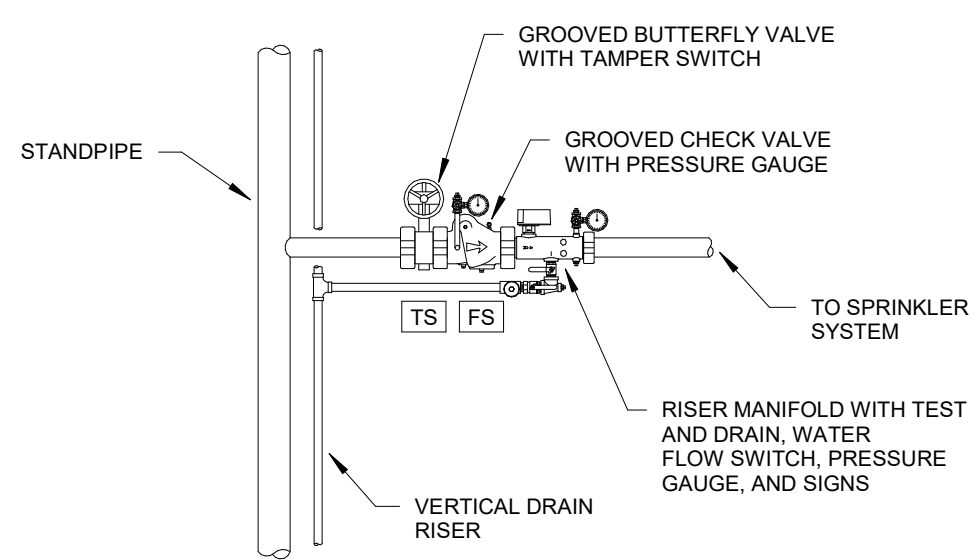
8 UNISTRUT SUPPORT DETAIL
NOT TO SCALE:



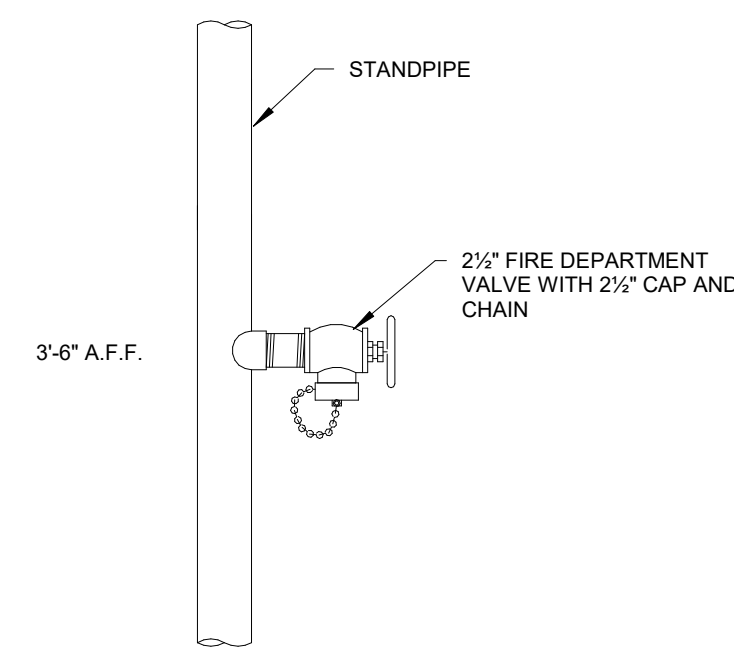
9 TOP BEAM CLAMP HANGER DETAIL
NOT TO SCALE



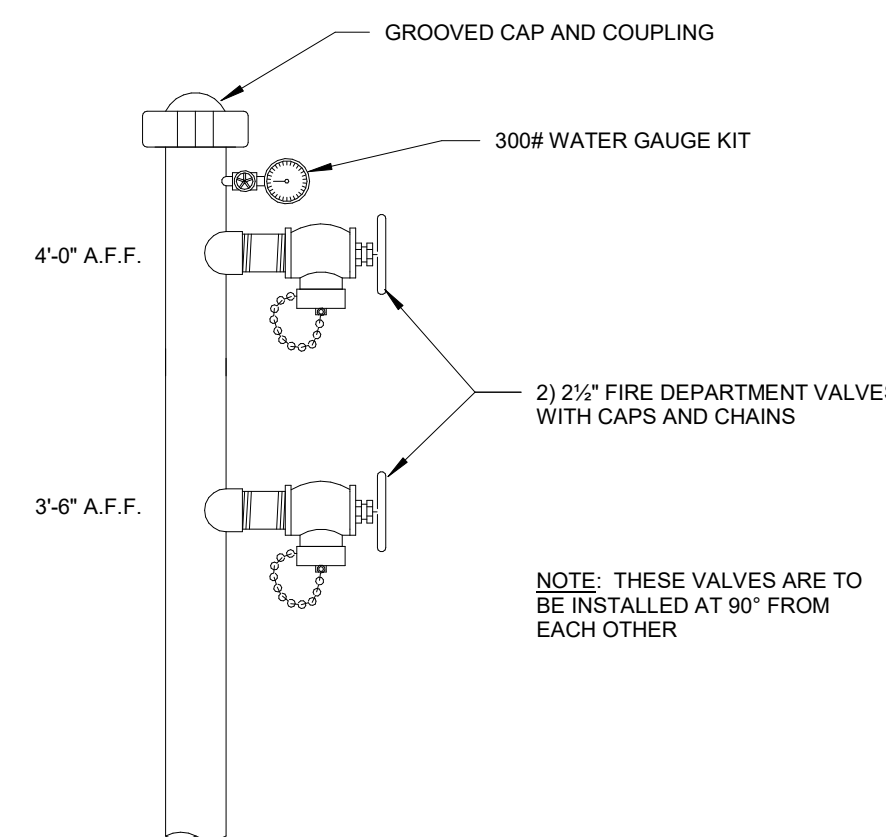
12 SPRINKLER SYSTEM CONTROL VALVE ASSEMBLY DETAIL
NOT TO SCALE:



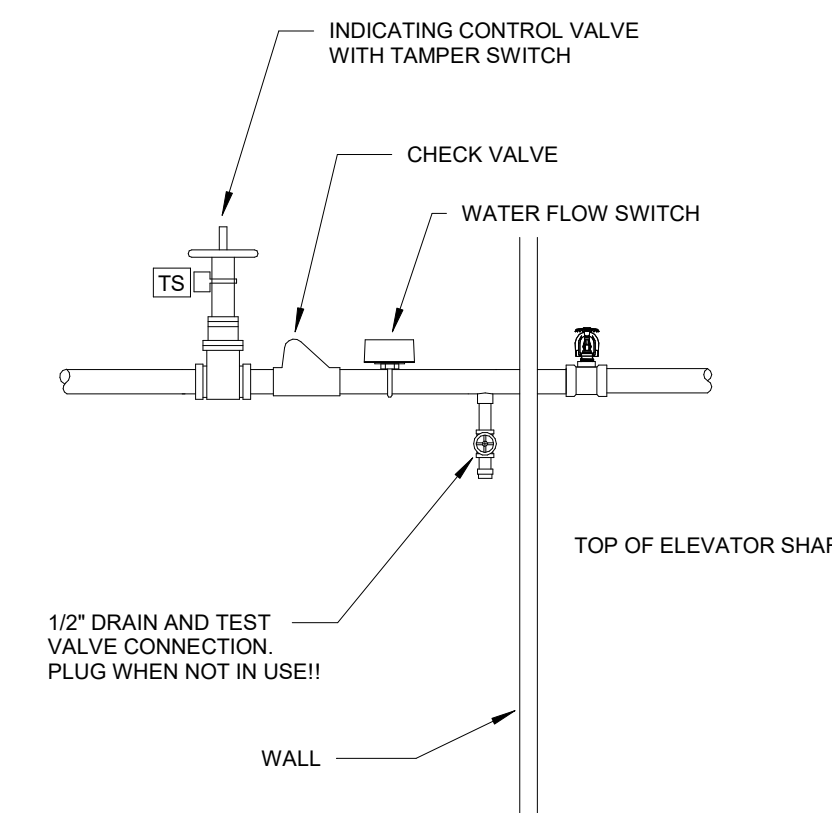
13 FIRE DEPARTMENT VALVE DETAIL
NOT TO SCALE:



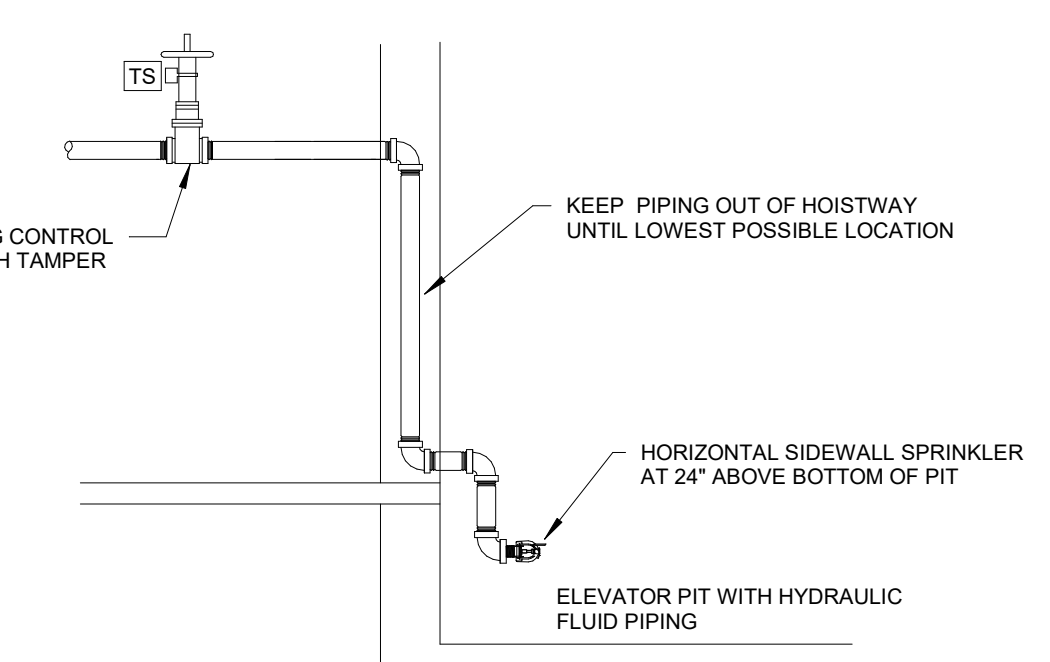
14 TOP OF STANDPIPE DETAIL
NOT TO SCALE:



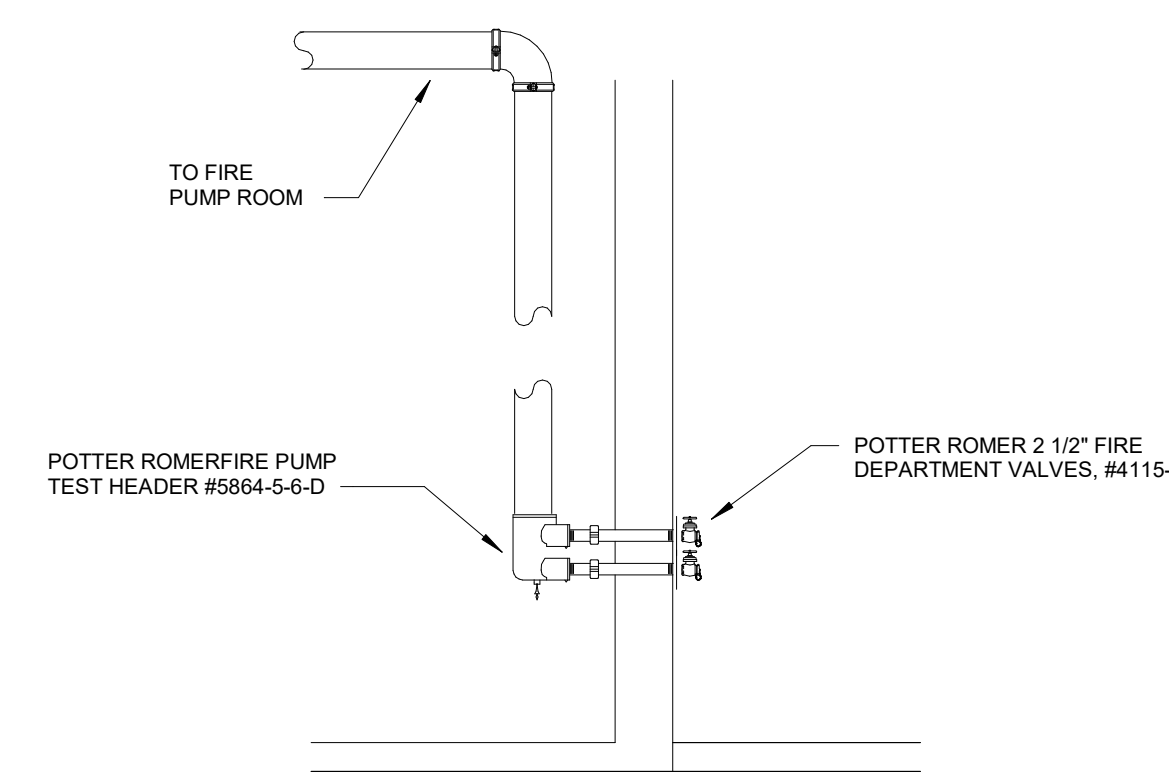
10 TOP OF ELEVATOR SHAFT DETAIL
NOT TO SCALE:



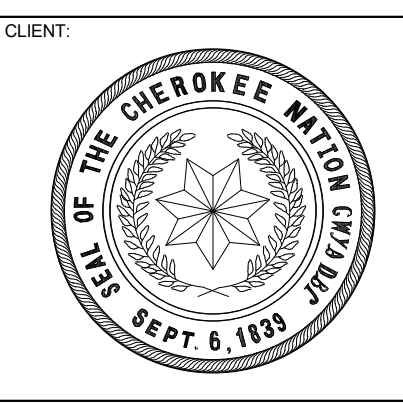
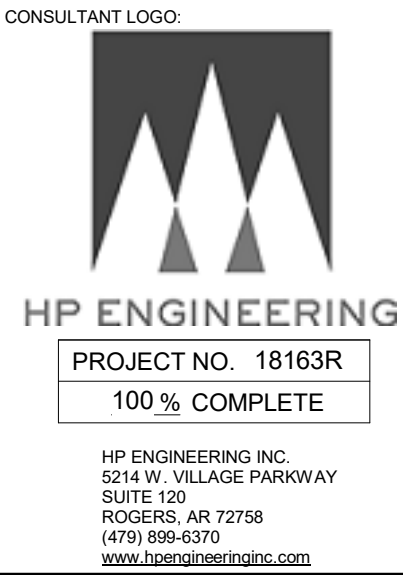
11 ELEVATOR PIT DETAIL
NOT TO SCALE:



15 TEST HEADER DETAIL
NOT TO SCALE:



- FIRE PROTECTION NOTES:**
- THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD WITH A PRELIMINARY PUNCH LIST AND DRAWING PRIOR TO COMPLETION OF CONSTRUCTION. ALL ITEMS NOTED SHALL BE ADDRESSED BY THE CONTRACTOR PRIOR TO REQUESTING PUNCH LIST BY THE ENGINEER OF RECORD.
 - ALL PIPE, DEVICES, AND INSTALLATION SHALL FULLY COMPLY WITH NFPA 13 AND ALL REQUIRED AUTHORITIES HAVING JURISDICTION. REFER TO NOTES ON DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR BUILDING DETAILS.
 - PROVIDE A COMPLETE, HYDRAULICALLY CALCULATED, FULLY AUTOMATIC WET PIPE SPRINKLER SYSTEM THROUGHOUT THE BUILDING. FIRE PROTECTION CONTRACTOR SHALL INSTALL THE FIRE PROTECTION SYSTEM IN ACCORDANCE WITH ALL APPLICABLE NFPA STANDARDS, JOB SPECIFICATIONS AND LOCAL CODE REQUIREMENTS.
 - SPRINKLER COVERAGE SHALL NOT EXCEED 225 SQUARE FEET PER HEAD FOR LIGHT HAZARD AREAS. SPRINKLER COVERAGE SHALL NOT EXCEED 130 SQUARE FEET PER HEAD FOR ORDINARY HAZARD AREAS.
 - FIRE PROTECTION SYSTEM(S), PIPING, VALVES AND APPURTENANCES INDICATED ON THE DRAWING ARE DIAGRAMMATIC ONLY IN THAT ALL REQUIRED DEVICES, PIPES, FITTINGS, AND OFFSETS MAY NOT BE SHOWN. FIRE PROTECTION CONTRACTOR SHALL VERIFY EQUIPMENT SELECTIONS, PIPE ROUTING, ETC. FOR CODE COMPLIANCE, ARCHITECTURAL AND STRUCTURAL CONFORMITY. FIRE PROTECTION CONTRACTOR SHOULD THOROUGHLY SURVEY THE PROPERTY AND REVIEW ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING (M.E.P.) CONSTRUCTION DOCUMENTS PRIOR TO BID.
 - FIRE PROTECTION SHOP DRAWINGS SHALL HAVE COMPLETE REFLECTED CEILING PLANS INDICATING LOCATION OF EACH SPRINKLER HEAD, AS WELL AS PIPING LAYOUTS. PROVIDE ADDITIONAL SPRINKLER HEADS (OVER CODE MINIMUM), IF REQUESTED BY THE ARCHITECT, TO OBTAIN SYMMETRICAL CEILING LAYOUTS.
 - FIRE PROTECTION SYSTEM SHALL BE COMPLETE WITH BACKFLOW PREVENTER, FIRE DEPARTMENT CONNECTION, STANDPIPES, CONTROL VALVES, SPRINKLER PIPING AND HEADS, ELECTRONIC SUPERVISION AND OTHER APPURTENANCES AS REQUIRED BY NFPA AND AUTHORITIES HAVING JURISDICTION.
 - GENERAL CONTRACTOR SHALL CONDUCT A COORDINATION MEETING WITH THE SUBCONTRACTORS TO ESTABLISH CLEARANCE REQUIREMENTS NEEDED FOR M.E.P. WORK PRIOR TO FABRICATION OF THE SPRINKLER SYSTEM. ANY RELOCATION OF FIRE SPRINKLER SYSTEM REQUIRED FOR PROPER INSTALLATION OF M.E.P. SYSTEMS SHALL BE AT THE FIRE PROTECTION CONTRACTOR'S EXPENSE.
 - FIRE PROTECTION CONTRACTOR SHALL BASE BID ON CAREFUL COORDINATION OF ARCHITECTURAL COMPONENTS, MECHANICAL DUCT, MECHANICAL AND PLUMBING PIPING, ELECTRICAL, AND STRUCTURAL SYSTEMS IN THE BUILDING.
 - HYDRAULIC CALCULATIONS SHALL BE BASED ON A WATER FLOW TEST OBTAINED FROM THE CITY OF TAHLEQUAH BY THE FIRE PROTECTION CONTRACTOR. CONTRACTOR SHALL VERIFY FLOW TEST DATA WITH LOCAL AUTHORITIES. IF A CURRENT TEST IS NOT AVAILABLE, CONTRACTOR SHALL CONDUCT A PROPER FLOW TEST PRIOR TO PREPARATION OF SHOP DRAWINGS. PROVIDE A MINIMUM OF 10 PSI SAFETY FACTOR FOR ALL HYDRAULIC CALCULATIONS. PIPE SIZING INDICATED ON THE DRAWINGS IS FOR INFORMATIONAL PURPOSES ONLY. PIPE SIZING SHALL BE ESTABLISHED BY THE FIRE PROTECTION CONTRACTOR. EXCEPTION: STANDPIPES SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR LARGER. NOTE: AVOID SYSTEM PRESSURES EXCEEDING 175 PSI.
 - PROVIDE A DOUBLE CHECK DETECTOR ASSEMBLY TO ISOLATE THE SPRINKLER SYSTEM FROM THE MAIN SUPPLY. COORDINATE REQUIREMENTS WITH THE CITY OF TAHLEQUAH AND THE STATE OF OKLAHOMA.
 - FIRE PROTECTION SYSTEM SHALL INTERFACE WITH THE BUILDING FIRE ALARM SYSTEM. REFER TO ELECTRICAL.
 - ALL CONTROL VALVES SHALL HAVE ELECTRONIC SUPERVISION.
 - SPECIAL CONSIDERATION SHALL BE GIVEN TO AREAS THROUGHOUT THE BUILDING SUCH AS DROPPED SOFFITS, RAISED CEILINGS, FALSE BEAMS, AND LIGHTING SOFFITS THAT NECESSITATE ADDITIONAL SPRINKLER HEADS. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND BUILDING DETAILS.
 - ALL SPRINKLER HEADS FOR LIGHT HAZARD AND ORDINARY HAZARD SHALL BE QUICK RESPONSE.
 - ALL CEILING MOUNTED SPRINKLER HEADS SHALL BE CONCEALED TYPE WITH WHITE COVER PLATES.
 - ALL SPRINKLER HEADS INSTALLED IN EXPOSED STRUCTURE SHALL BE BRASS UPRIGHT.
 - ALL CEILING MOUNTED SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES.
 - PROVIDE SPRINKLER SYSTEM MAIN DRAIN IN ACCORDANCE WITH NFPA 13. PROVIDE VERTICAL DRAIN RISER WHEN SPRINKLER SYSTEM CONTROL VALVE ASSEMBLIES ARE LOCATED IN THE SAME AREA ON MULTIPLE FLOORS.
 - PROVIDE AUXILIARY DRAINS FOR ALL TRAPPED PIPING SECTIONS IN ACCORDANCE WITH NFPA 13.
 - ALL DRAIN PIPING SHALL TERMINATE AT THE EXTERIOR WITH 45 DEGREE ELBOW DOWN. INSTALL THE DRAIN IN A MANNER TO PREVENT FLOODING OR DAMAGE TO LANDSCAPING, AND TO PREVENT WETTING OF WALKWAYS. EXCEPTION: DRAIN PIPING MAY TERMINATE AT INTERIOR FLOOR DRAINS IF THE DRAIN HAS BEEN SIZED APPROPRIATELY. COORDINATE WITH PLUMBING CONTRACTOR FOR LOCATION OF FLOOR DRAIN.
 - INSTALL PIPING HORIZONTALLY AND AT RIGHT ANGLES TO WALLS AND CEILINGS.
 - ALL GROOVED PIPING SHALL BE BLACK SCHEDULE 10 OR BLACK SCHEDULE 40 WITH GROOVED AND WELDED OUTLETS. FITTINGS AND COUPLINGS SHALL BE STANDARD GROOVED.
 - ALL THREADED PIPING SHALL BE BLACK SCHEDULE 40. FITTINGS SHALL BE STANDARD "BLACK" GRADE.
 - ALTERNATIVE STEEL PIPE SCHEDULES ALLOWED BY NFPA 13 ARE NOT ACCEPTABLE ON THIS PROJECT.
 - CPVC PIPING IS NOT ALLOWED ON THIS PROJECT.
 - FIRE PROTECTION CONTRACTOR SHALL PROVIDE PROTECTION FOR SPRINKLER HEADS IN AREAS WHERE THE CEILING AND SURROUNDING AREAS ARE TO BE PAINTED. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SPRINKLER PROTECTION AFTER PAINTING WORK IS COMPLETE. ANY SPRINKLER HEAD WITH PAINT OR TEXTURE OVERSPRAY SHALL BE REPLACED BY THE FIRE PROTECTION CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
 - PROVIDE ACCESS PANELS WHERE NECESSARY TO ACCESS FIRE PROTECTION VALVES AND EQUIPMENT FOR TESTING, MAINTENANCE, INSPECTION OR DRAINAGE. ACCESS PANELS SHALL BE RATED TO MATCH THE WALL OR CEILING IN WHICH THEY ARE INSTALLED AND TO BE OF SUFFICIENT SIZE TO FACILITATE WORK, REPAIR OR REPLACEMENT. ACCESS PANELS SHALL BE PROVIDED BY FIRE PROTECTION CONTRACTOR.
 - PROVIDE HEAD GUARDS ON ALL SPRINKLER HEADS AT OR BELOW AN ELEVATION OF 7'-0" AFF, OR THAT OTHERWISE MAY BE SUBJECT TO MECHANICAL DAMAGE, SUCH AS IN THE MECHANICAL ROOMS.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE OWNER'S INFECTIOUS CONTROL RISK GUIDELINES AND/OR INTERM LIFE SAFETY MEASURES. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION).
 - FIRE PROTECTION PLANS SHALL BE SUBMITTED AND RECEIVE APPROVAL PRIOR TO FABRICATION BY ALL REQUIRED LOCAL AND STATE AUTHORITIES AS WELL AS THE ARCHITECT AND ENGINEER OF RECORD.



KEY PLAN:

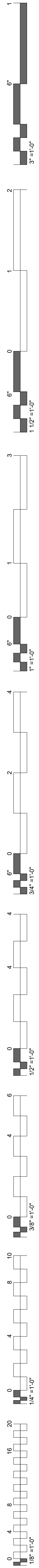
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

#	DATE	REVISIONS	DESCRIPTION

DATE: 08-23-19	JOB NUMBER: 17-13
----------------	-------------------

SHEET NUMBER:
FP1.00

FIRE PROTECTION NOTES AND DETAILS



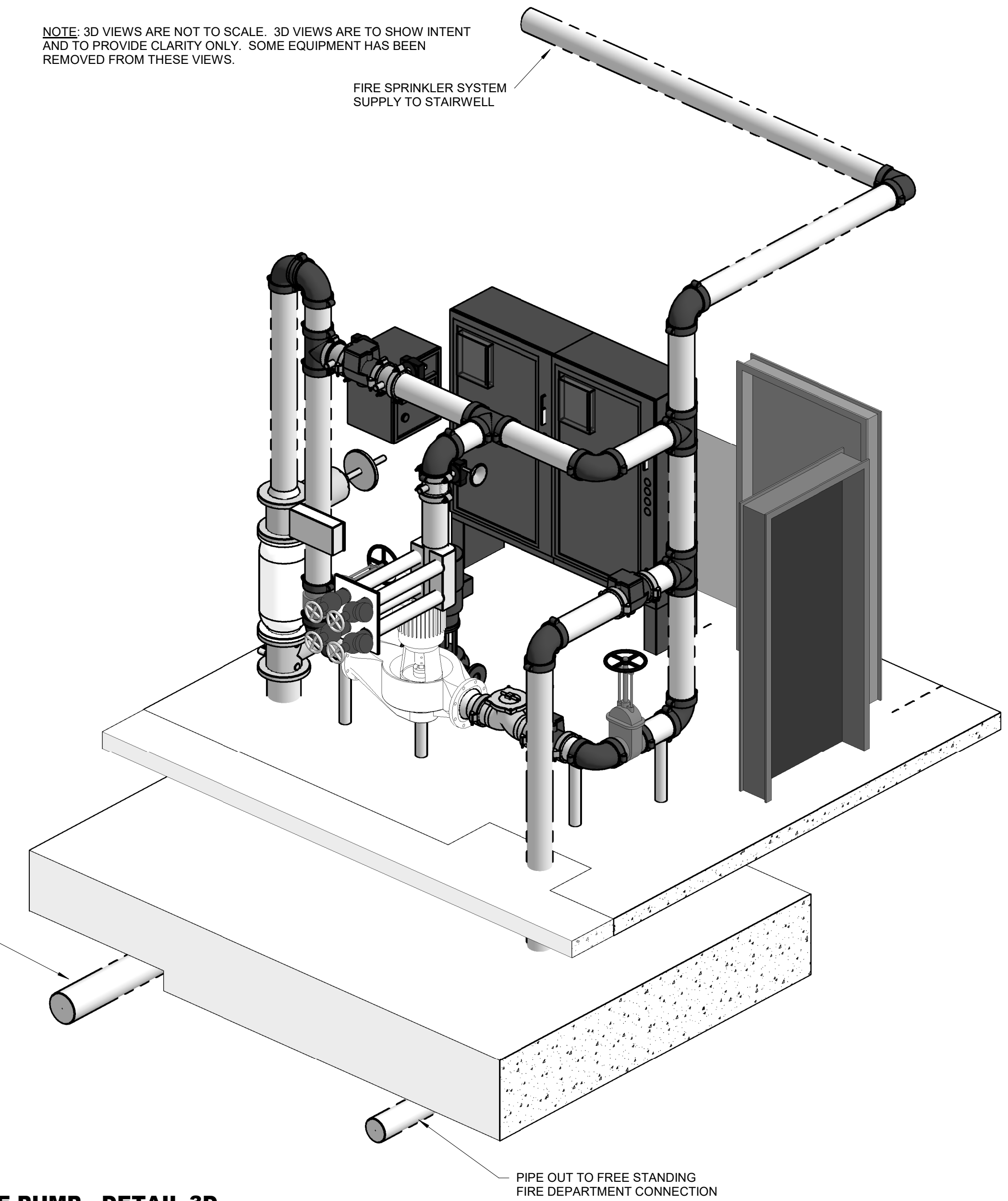
ADJUSTABLE PIPE STANDS:

NFPA 13 REQUIRES THAT PIPE STANDS BE "APPROVED", AS SUCH, COMMERCIALY MANUFACTURED, ADJUSTABLE PIPE STANDS WITH U-BOLTS HAVE BEEN SPECIFIED AND SHOWN HEREIN. UNDER NO CIRCUMSTANCES SHALL "HOMEMADE" NON-APPROVED PIPE STANDS BE ACCEPTED OR TOLERATED. ADDITIONALLY, NFPA REQUIRES THE BUILDING TO SUPPORT THE FIRE PROTECTION SYSTEM(S) AND IT SHALL NOT BE PERMISSIBLE TO ALLOW UNDERGROUND LEAD-INS, SUCH AS FOR THE FIRE MAIN AND TDC LINES, TO BEAR THE LOAD OF THE HORIZONTAL BACKFLOW PREVENTION ASSEMBLY, MANIFOLD OR RISERS. AS A MINIMUM PROVIDE THE QUANTITY OF PIPE STANDS SHOWN IN THESE DETAILS.

FIRE PUMP LEGEND

- 1 NEW UNDERGROUND SERVICE MAIN LEAD-IN TO PUMP ROOM
- 2 DOUBLE DETECTOR CHECK VALVE ASSEMBLY WITH BYPASS METER IN U.S. GALLONS, OS&Y CONTROL VALVES AND SUPERVISORY SWITCHES. ASSEMBLY IS IN VERTICAL POSITION.
- 3 FIRE PUMP LOW SUCTION CONTROL VALVE
- 4 VERTICAL PIPE DOWN (MINIMUM OF TEN (10) PIPE DIAMETERS = 80" = 6'-8")
- 5 OS&Y VALVE WITH SUPERVISORY SWITCH
- 6 FIRE PUMP
- 7 JOCKEY PUMP
- 8 GROOVED BUTTERFLY VALVE WITH SUPERVISORY SWITCH
- 9 GROOVED CHECK VALVE
- 10 FIRE PUMP TEST HEADER
- 11 6" STANDPIPE FEED MAIN
- 12 PIPE STAND
- 13 FIRE PUMP CONTROLLER WITH ATS
- 14 JOCKEY PUMP CONTROLLER
- 15 6" TO FREE STANDING FIRE DEPARTMENT CONNECTION
- 16 SPARE SPRINKLER HEAD CABINET

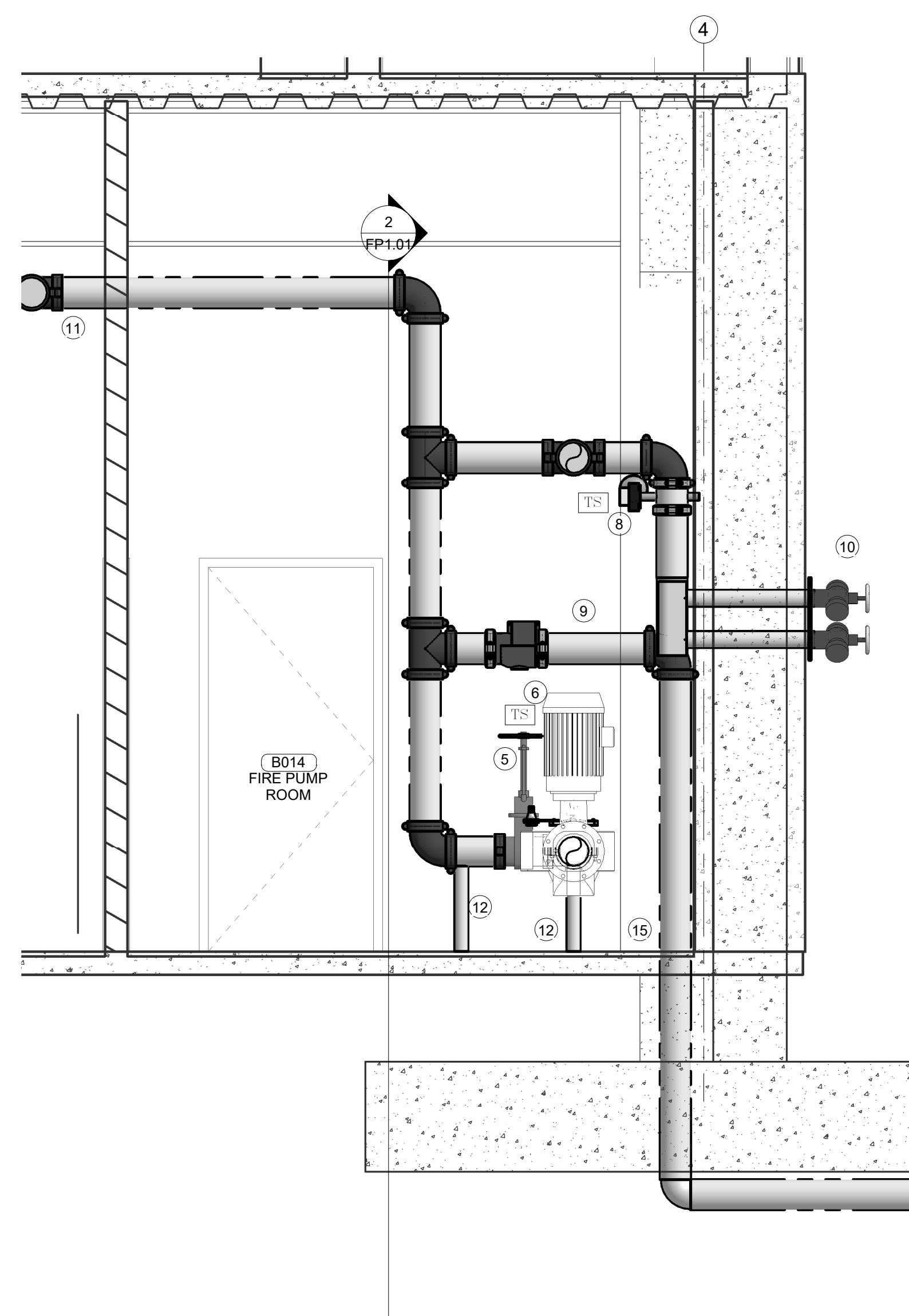
NOTE: 3D VIEWS ARE NOT TO SCALE. 3D VIEWS ARE TO SHOW INTENT AND TO PROVIDE CLARITY ONLY. SOME EQUIPMENT HAS BEEN REMOVED FROM THESE VIEWS.



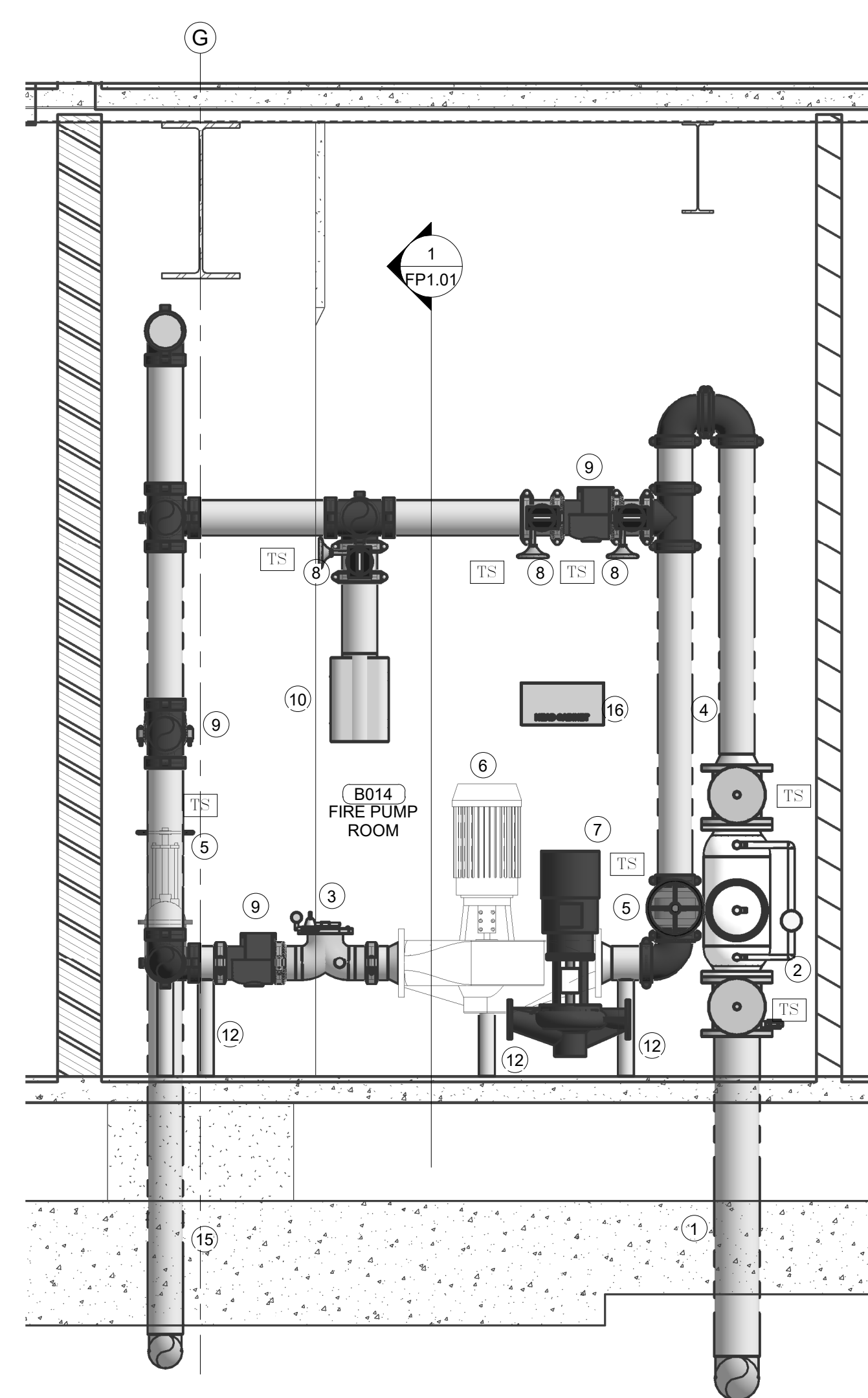
FIRE PROTECTION UNDERGROUND SUPPLY. REFER TO CIVIL ENGINEERS PLAN FOR CONTINUATION.

PIPE OUT TO FREE STANDING FIRE DEPARTMENT CONNECTION

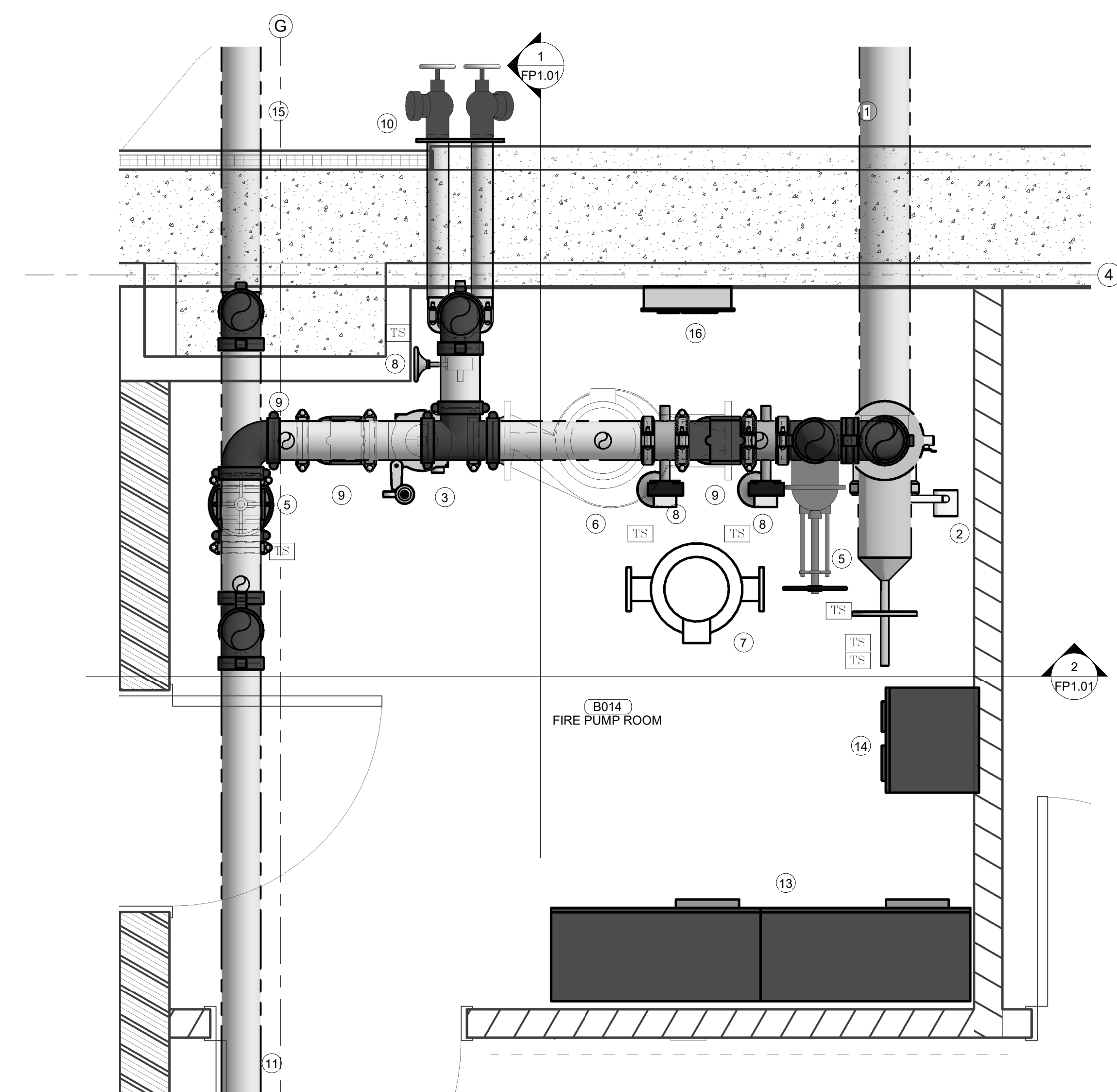
4 FIRE PUMP - DETAIL 3D



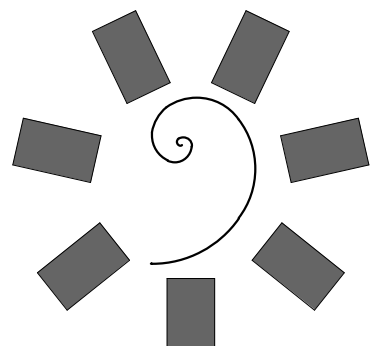
1 FIRE PROTECTION DETAIL - A
1/2" = 1'-0"



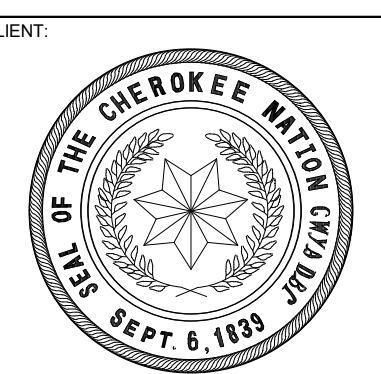
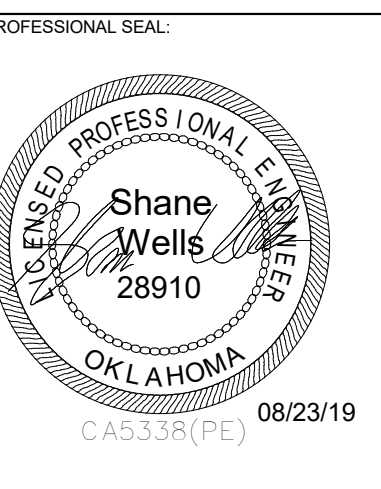
2 FIRE PROTECTION DETAIL - B
1/2" = 1'-0"



3 FIRE PROTECTION PLAN - BASEMENT - PUMP ROOM
3/4" = 1'-0"



James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2450
www.childersarchitect.com



COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA

KEY PLAN:

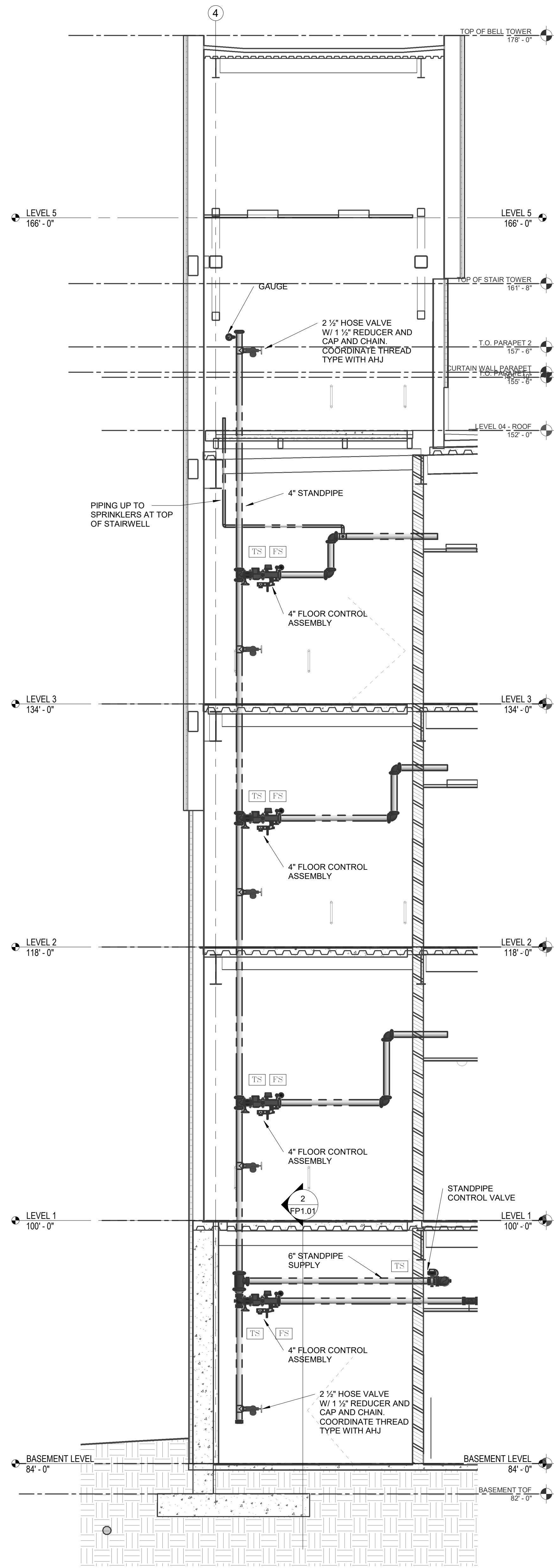
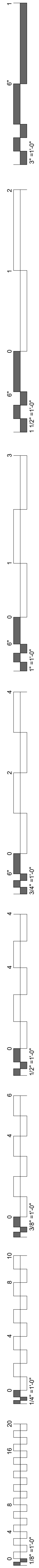
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

#	DATE	REVISIONS DESCRIPTION

DATE: 08-23-19 JOB NUMBER: 17-13

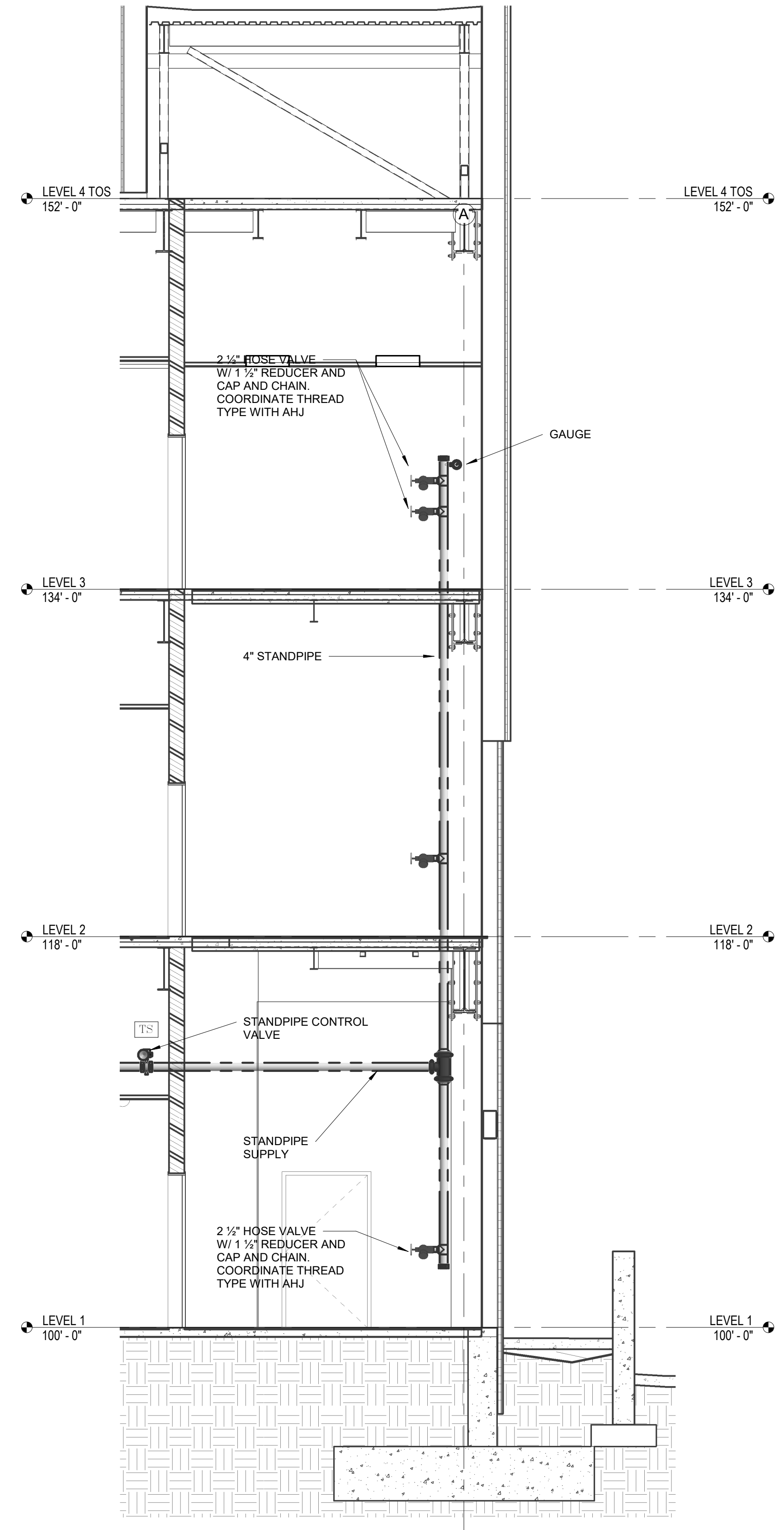
SHEET NUMBER:
FP1.01

FIRE PROTECTION RISER DETAILS

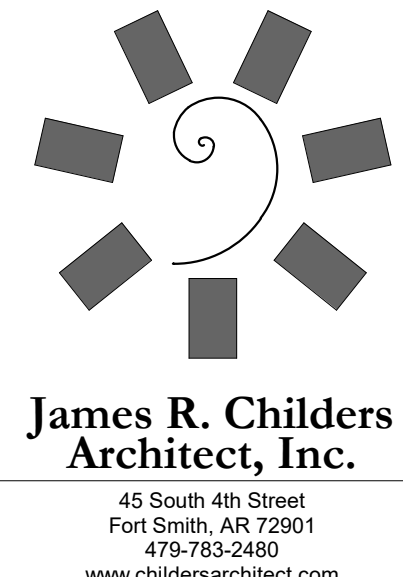


1 FIRE PROTECTION - STANDPIPE DETAIL A
1/4" = 1'-0"

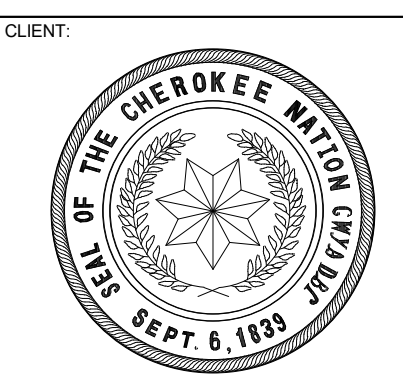
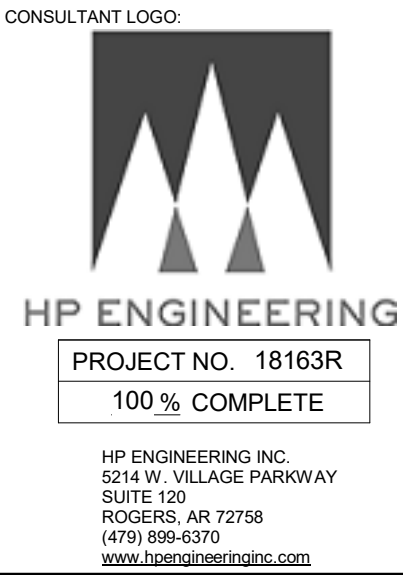
- STANDPIPE NOTES**
1. NFPA 14 REQUIRES THAT STANDPIPES BE EITHER 4" OR 6" AND THAT THEY BE HYDRAULICALLY CALCULATED. HOWEVER, THIS PROJECT SHALL REQUIRE THAT ALL HORIZONTAL STANDPIPES SHALL BE MINIMUM 6" DIAMETER PIPING - NO EXCEPTIONS. THE INTENT OF THIS REQUIREMENT IS TO HAVE AN ADEQUATE INFRASTRUCTURE INSTALLED, SUCH THAT IT CAN BE EXTENDED FOR THE OWNER'S FUTURE PHASES OF WORK (I.E. BUILDING ADDITIONS AND EXPANSIONS, CONNECTION TO ADJACENT BUILDINGS, ETC.) AS WELL AS TO ACCOUNT FOR DETERIORATION OF THE CITY WATER SUPPLY AND / OR LOSS OF FIRE PUMP. THE CONTRACTOR SHALL STILL BE REQUIRED TO PERFORM A STANDPIPE CALCULATION IN ORDER TO DETERMINE WHETHER OR NOT VERTICAL STANDPIPES WILL BE 4" OR 6" PIPING AS REQUIRED BY NFPA 14, AND THE LOCAL AHJ.
 2. PROVIDE MINIMUM OF TWO (2) 2 1/2" FIRE DEPARTMENT HOSE VALVE AT TOPS OF ALL REQUIRED STANDPIPES. THIS IS TO FACILITATE THE MINIMUM 500 GPM HYDRAULIC DESIGN DEMAND AS REQUIRED BY NFPA 14.
 3. PROVIDE MINIMUM 4" DIAMETER SPRINKLER SYSTEM OUTLETS ON COMBINATION STANDPIPES - NO EXCEPTIONS. THE INTENT OF THIS REQUIREMENT IS TO FACILITATE BUILDING RENOVATIONS, EXPANSION, CHANGE OF OCCUPANCY, ETC., WHICH WOULD HAVE A HIGHER HYDRAULIC DEMAND. SMALL OUTLETS AND SMALL FLOOR CONTROL ASSEMBLIES HAVE HIGHER PRESSURE LOSSES ASSOCIATED WITH THEM. ONCE STANDPIPES ARE INSTALLED, SAID OUTLETS CANNOT BE EASILY REMOVED OR REPLACED IN THE FIELD.
 4. INSTALL FLOOR CONTROL ASSEMBLIES AT COMMON ELEVATIONS ABOVE FINISHED FLOORS AND STAIR LANDINGS. INSTALL HIGH ENOUGH TO AVOID TAMPERING FROM BUILDING OCCUPANTS, BUT NOT SO HIGH OR ABOVE CEILINGS THAT THEY CANNOT BE ACCESSED FROM SHORT 4FT / 6FT LADDERS, AND VISUALLY INSPECTED AS PER NFPA 25, 14 & 13. IF FLOOR CONTROL ASSEMBLIES ARE REQUIRED TO BE INSTALLED ABOVE CEILINGS BY AHJ OTHER THAN THE ENGINEER OF RECORD, MINIMUM 24" ACCESS PANELS SHALL BE REQUIRED AND SHALL MATCH THE MINIMUM FIRE RATING OF THE WALL OR CEILING IN WHICH THEY ARE INSTALLED.
 5. INSTALL ALL HYDRAULIC CALCULATION PLACARDS REQUIRED FOR EACH HYDRAULIC DESIGN AREA PROVEN FOR EACH FLOOR LEVEL. INSTALL ALL PERTINENT SIGNAGE ON ALL VALVES (CONTROL, MAIN DRAIN, AUXILIARY DRAIN, TEST, ETC. THESE REQUIREMENTS ARE AS PER NFPA, LOCAL AHJ AND THESE CONSTRUCTION DOCUMENTS.



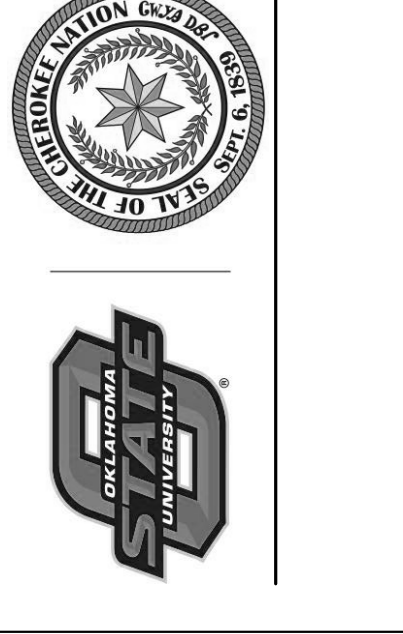
2 FIRE PROTECTION - STANDPIPE DETAIL B
1/4" = 1'-0"



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72901
479-783-2450
www.childersarchitect.com



**COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION**
TAHLEQUAH, OKLAHOMA



KEY PLAN

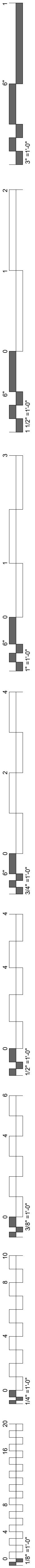
PROJECT PHASE
CONSTRUCTION DOCUMENTS

#	DATE	REVISIONS	DESCRIPTION

DATE: 08-23-19 JOB NUMBER: 17-13

SHEET NUMBER:
FP1.02

FIRE PROTECTION
STANDPIPE DETAILS



SUPPLY MAIN NOTES

FIRE PROTECTION SUPPLY MAINS HAVE BEEN SHOWN AS A PLACEHOLDER - FOR GENERAL COORDINATION. FINAL ROUTINGS OF THE MAINS SHALL BE DETERMINED BY THE INSTALLING FIRE SPRINKLER CONTRACTOR, BUT EFFORTS TO USE THE LOCATIONS SHOWN HEREIN SHOULD BE MADE.

THE INSTALLING CONTRACTOR WILL NEED TO COORDINATE WITH ALL OTHER DISCIPLINES AT ALL TIMES, ESPECIALLY THE MECHANICAL CONTRACTOR, AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS IN SOME AREAS.

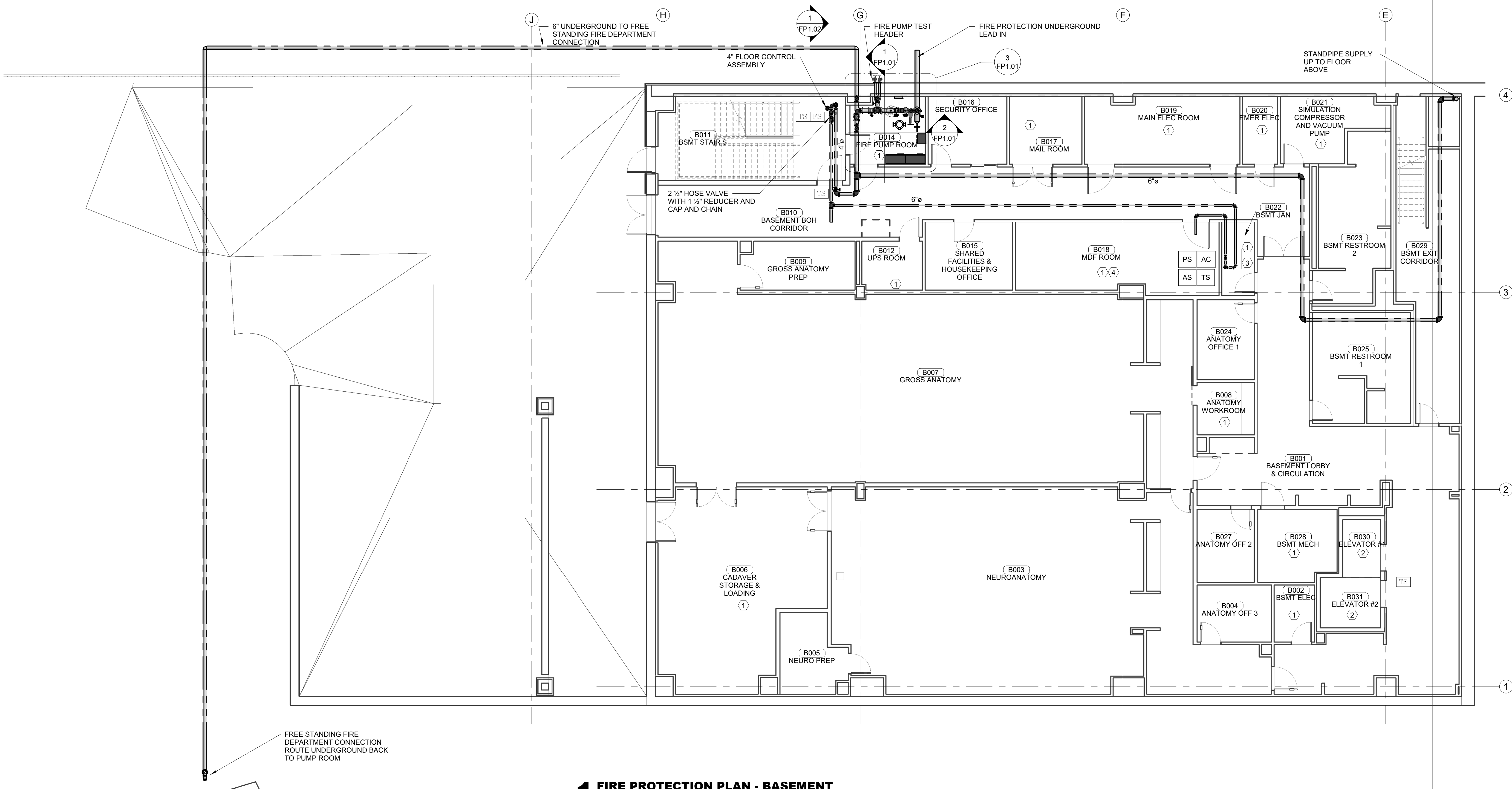
- KEYED NOTES:**
1. THIS SPACE SHALL BE CONSIDERED ORDINARY HAZARD AND SPRINKLER HEAD COVERAGE SHALL NOT EXCEED 130 SQUARE FEET PER SPRINKLER HEAD.
 2. INSTALL SPRINKLER HEADS AT THE TOP OF THE ELEVATOR SHAFT AND IN THE PIT OF THE ELEVATOR SHAFT.
 3. INSTALL DRY PIPE VALVE AND ALL REQUIRED APPURTENANCES TO SUPPLY DRY SPRINKLER HEADS IN MDF ROOM.
 4. THIS SPACE SHALL BE PROTECTED BY DRY PIPE FIRE SPRINKLER SYSTEM.
 5. PROVIDE CLOSELY SPACED SPRINKLERS (WATER CURTAIN) AROUND OPENING PER NFPA 13.

NOTICE TO CONTRACTORS:

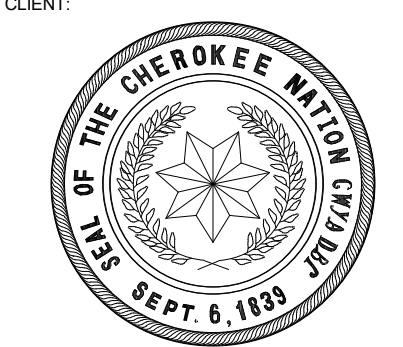
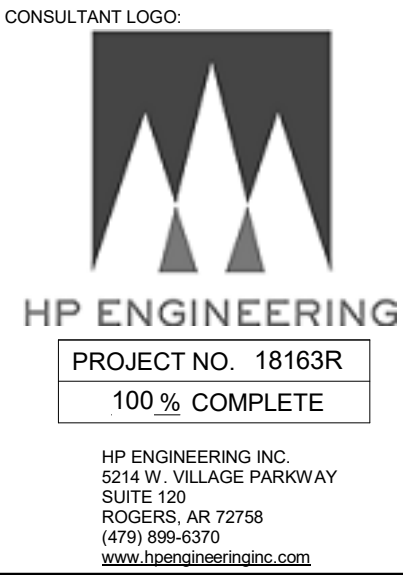
THE FIRE PROTECTION SYSTEMS DESIGNER IS CAUTIONED TO CAREFULLY COORDINATE AND CONSIDER ROUTINGS OF ALL FIRE PROTECTION PIPES AND LOCATIONS OF FIRE SPRINKLER HEADS WITH ALL OTHER DISCIPLINES (ALL STRUCTURAL ELEMENTS, HVAC DUCTWORK, ALL ABOVE CEILING PIPING SYSTEMS, LIGHTING FIXTURES, PLUMBING, MEDICAL GAS, ETC.), AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS AND IN CHASES. THE SHORTEST ROUTE / DISTANCE BETWEEN ANY TWO POINTS MAY NOT BE THE ACCEPTABLE ROUTE, DUE TO EXISTING CONSTRUCTION FEATURES OR CONFLICTS WITH OTHER DISCIPLINES. THE FIRE PROTECTION DESIGNER IS CAUTIONED TO PERFORM A VERY DETAILED SURVEY OF THE BUILDING, EXISTING OR PLANNED, AND CAREFULLY REVIEW ALL PROJECT DRAWINGS AND DETAILS DURING DESIGN OF THE FIRE PROTECTION SYSTEMS.

THE INSTALLING FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO FABRICATION AND DURING INSTALLATION. GREAT CARE AND GOOD CRAFTSMANSHIP DURING INSTALLATION IS EXPECTED AT ALL TIMES TO AVOID UNNECESSARY AND UNWANTED DAMAGE TO ANY PART OR FEATURE OF THE BUILDING, EXISTING OR PLANNED. THE INSTALLING CONTRACTOR IS CAUTIONED TO VERIFY ANY AND ALL PENETRATIONS PRIOR TO CUTTING OR DRILLING HOLES FOR PIPES. CONTRACTOR IS FURTHER CAUTIONED TO PRE-DRILL HOLES FOR HANGER ATTACHMENTS, SO AS TO NOT SPLIT, CRACK OR OTHERWISE DAMAGE ANY STRUCTURAL FRAMING MEMBERS OR CONCRETE SLABS. PENETRATIONS OF STRUCTURAL MEMBERS IS STRICTLY PROHIBITED WITHOUT A PROPERLY EXECUTED, WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD. IT MAY BE NECESSARY FOR PIPES TO DROP DOWN, GO UNDER AND RISE UP AT BEAMS. OTHER STRUCTURAL FEATURES OR OTHER BUILDING SYSTEMS SHALL BE AT CONTRACTOR'S EXPENSE. CONTRACTOR IS CAUTIONED TO COORDINATE WITH ALL OTHER DISCIPLINES.

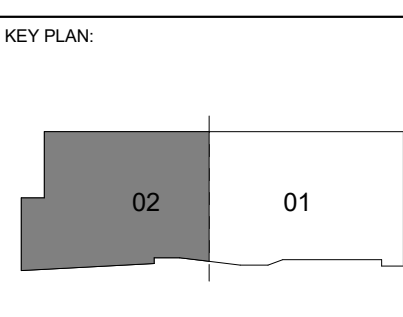
WARNING: IF THE INSTALLING CONTRACTOR CHOOSES TO USE AND INSTALL FLEXIBLE SPRINKLER DROPS, THEY SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING AND MANUFACTURERS INSTRUCTIONS. ATTENTION SHALL BE PAID TO BOTH THE *REDUCES* OF EACH BEND THAT MAY BE IN ANY SINGLE FLEXIBLE DROP, AS WELL AS THE TOTAL NUMBER OF BENDS INSTALLED IN ANY SINGLE FLEXIBLE DROP THAT MAY BE INSTALLED. THIS SHALL BE CLOSELY SCRUTINIZED IN THE FIELD DURING INSTALLATION. CONTRACTORS SHALL REPLACE EVERY FLEXIBLE DROP THAT IS DEEMED NOT TO BE INSTALLED ACCORDING TO ITS LISTING AND APPROVAL, AND HP ENGINEERING SHALL HAVE THE FINAL WORD ON WHETHER OR NOT FLEXIBLE SPRINKLER DROPS ARE INSTALLED ACCORDING TO THEIR LISTING. ANY FLEXIBLE SPRINKLER DROPS DEEMED TO BE INSTALLED INCORRECTLY SHALL BE REPLACED WITH LONGER, APPROPRIATE LENGTH FLEXIBLE DROPS, OR REPLACED WITH HARD-PIPED RETURN BENDS. IN EVERY INSTANCE, THIS SHALL BE AT THE CONTRACTOR'S EXPENSE. CONTRACTORS ARE CAUTIONED NOT TO TRY AND USE SHORT FLEXIBLE SPRINKLER DROPS TO "GET BY", WHEN A LONGER FLEXIBLE SPRINKLER DROP IS WHAT THE INSTALLATION REQUIRES.



1 FIRE PROTECTION PLAN - BASEMENT
1/8" = 1'-0"



COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA



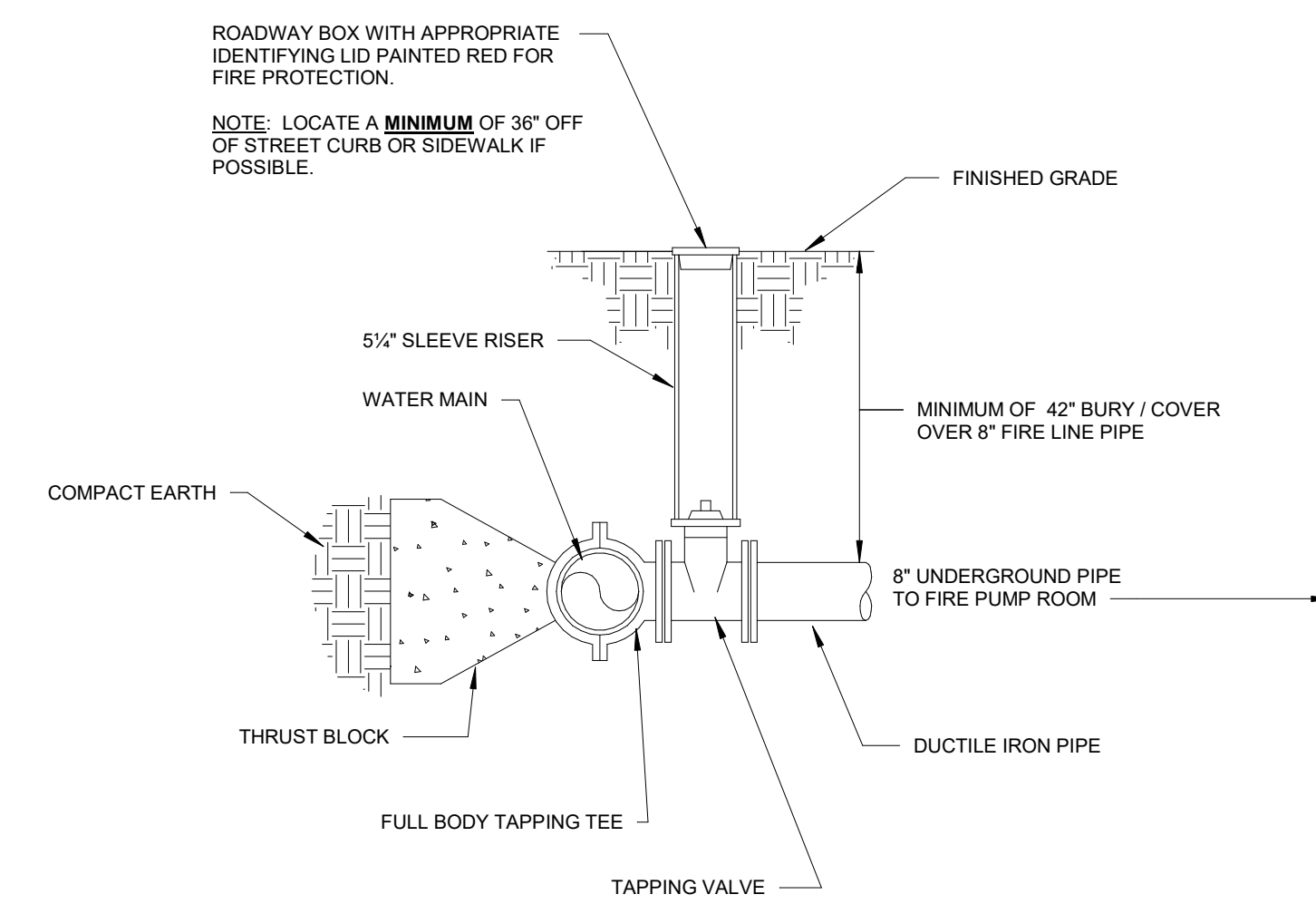
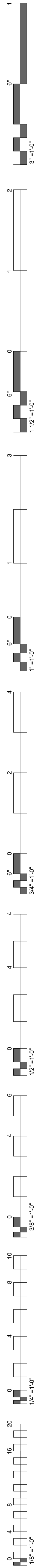
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

#	DATE	REVISIONS DESCRIPTION

DATE: 08-23-19 JOB NUMBER: 17-13

SHEET NUMBER:
FP2.00

FIRE PROTECTION PLAN - BASEMENT

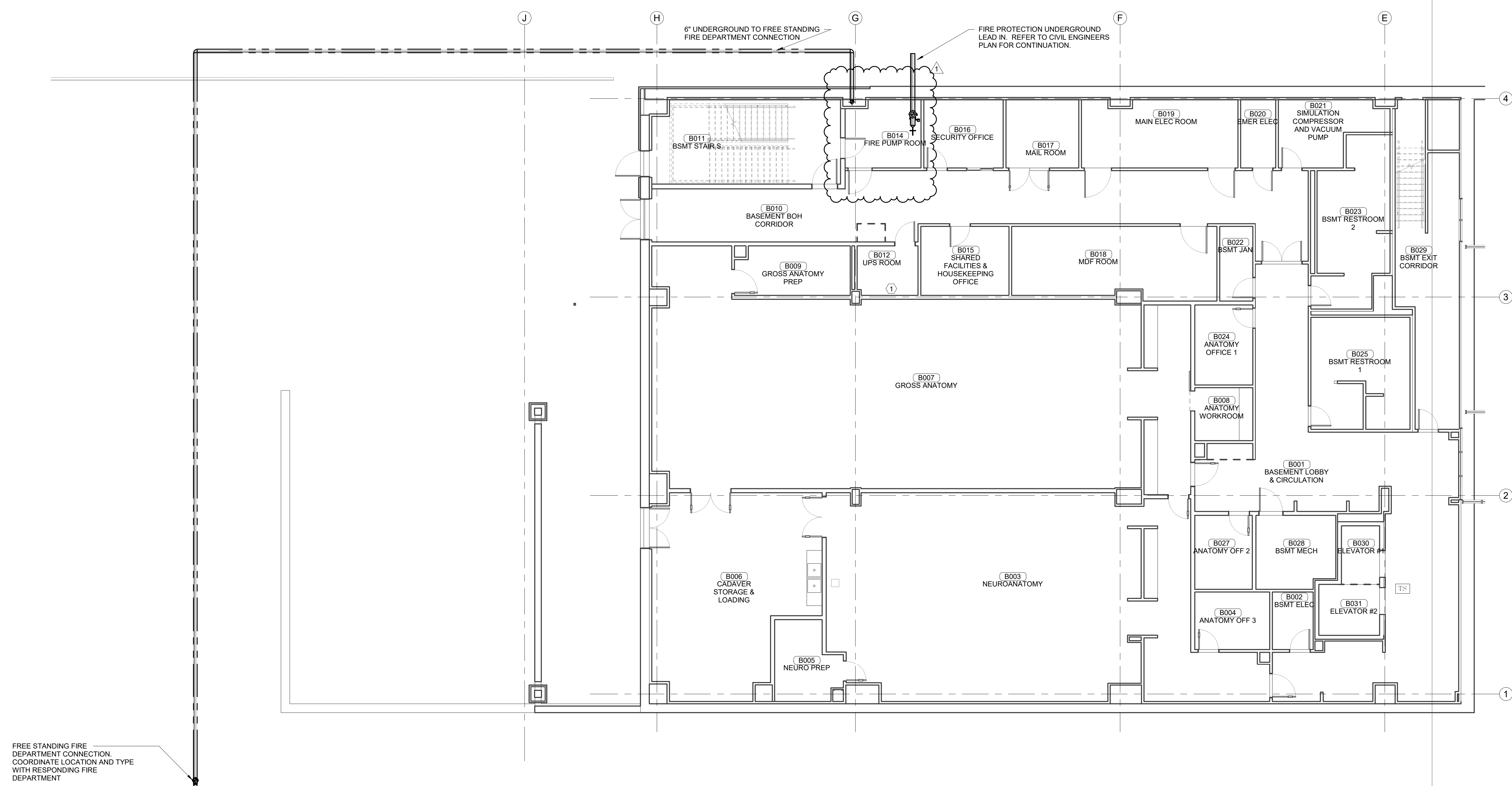


2 CITY CONNECTION DETAIL WITH ROADWAY BOX
NOT TO SCALE:

UNDERGROUND NOTES

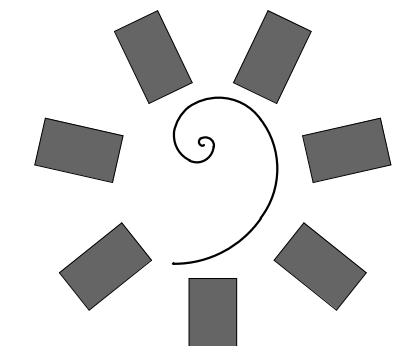
- COORDINATE UNDERGROUND FIRE PROTECTION LINES WITH ALL OTHER BURIED UTILITIES (I.E. ELECTRICAL (INCLUDING FOOTINGS / PIERS FOR LIGHT POLES), DOMESTIC WATER, SANITARY SEWER, STORM DRAINS, ETC.).
- ALL UNDERGROUND WATER LINE INSTALLATIONS, INCLUDING THAT FOR THE FIRE DEPARTMENT CONNECTION, SHALL COMPLY WITH THE REQUIREMENTS OF THE OKLAHOMA DEPARTMENT OF HEALTH, WITH RESPECT TO INSTALLATION DISTANCES FROM SANITARY SEWER AND STORM DRAIN LINES. INSTALL CASING AS MAY BE REQUIRED. REFER TO THE CIVIL ENGINEER'S SITE UTILITY PLAN FOR DETAILED LOCATIONS AND ROUTINGS OF ALL UNDERGROUND UTILITIES.
- NEW UTILITY TRENCHES SERVICING THE NEW STRUCTURES ARE ANTICIPATED TO BE REQUIRED. THESE TRENCHES ARE OFTEN SOURCES OF MOISTURE INTO THE STRUCTURE. A RELATIVELY IMPERVIOUS MATERIAL (CLAY WITH LITTLE ROCK, ETC.) SHOULD BE PLACED WITHIN THE UTILITY TRENCH, SURROUNDING THE UTILITY IMMEDIATELY OUTSIDE THE STRUCTURE VIA UTILITY TRENCHES. THE "TRENCH PLUG" SHOULD EXTEND OUT FROM THE STRUCTURE A MINIMUM OF 5 FT. HORIZONTALLY, AND BE PLACED IN A CONTROLLED MANNER IN ACCORDANCE WITH SECTION 8.3 FOR UTILITY TRENCHES.

NOTICE: THIS DRAWING IS FOR REFERENCE AND INFORMATION ONLY. THESE PIPE ROUTINGS HAVE NOT BEEN COORDINATED WITH EXISTING BURIED UTILITIES (SANITARY, STORM, ELECTRICAL, CHILLED WATER, HEATING WATER, STEAM, ETC.). REFER TO CIVIL ENGINEER'S SITE UTILITY PLAN FOR ACTUAL LOCATIONS AND FINAL ROUTINGS. COORDINATE WITH ALL OTHER BURIED UTILITIES AT ALL TIMES. MAINTAIN PROPER BURY DEPTHS.

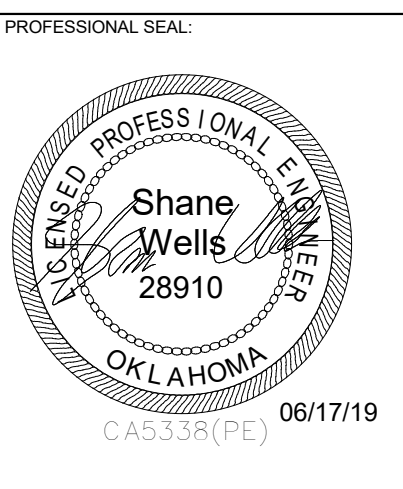


FREE STANDING FIRE DEPARTMENT CONNECTION. COORDINATE LOCATION AND TYPE WITH RESPONDING FIRE DEPARTMENT.

1 FIRE PROTECTION PLAN - UNDERGROUND
1/8" = 1'-0"



James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2450
www.childersarchitect.com



CONSULTANT LOGO

HP ENGINEERING
PROJECT NO. 18163R
100% COMPLETE

HP ENGINEERING INC.
824 W. VILLAGE PARKWAY
SUITE 120
ROGERS, AR 72719
479-684-6375
www.hpsurveyors.com

CLIENT:

COLLEGE OF **Osteopathic Medicine**
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA

KEY PLAN:

02	01
----	----

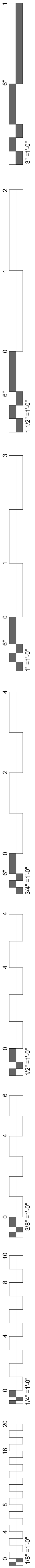
PROJECT PHASE:
BID PACKAGE 04

#	DATE	REVISIONS DESCRIPTION
1	05-17-19	ASB/02

DATE: 05/10/19 JOB NUMBER: 17-13

SHEET NUMBER:
FP2.01

FIRE PROTECTION - UNDERGROUND PLAN



- KEYED NOTES:**
1. THIS SPACE SHALL BE CONSIDERED ORDINARY HAZARD AND SPRINKLER HEAD COVERAGE SHALL NOT EXCEED 130 SQUARE FEET PER SPRINKLER HEAD WITH ALL OTHER DISCIPLINES (ALL STRUCTURAL ELEMENTS, HVAC DUCTWORK, ALL ABOVE CEILING PIPING SYSTEMS, LIGHTING FIXTURES, PLUMBING, MEDICAL GAS, ETC.), AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS AND IN CHASES. THE SHORTEST ROUTE / DISTANCE BETWEEN ANY TWO POINTS MAY NOT BE THE ACCEPTABLE ROUTE, DUE TO EXISTING CONSTRUCTION FEATURES OR CONFLICTS WITH OTHER DISCIPLINES. THE FIRE PROTECTION DESIGNER IS CAUTIONED TO PERFORM A VERY DETAILED SURVEY OF THE BUILDING, EXISTING OR PLANNED, AND CAREFULLY REVIEW ALL PROJECT DRAWINGS AND DETAILS DURING DESIGN OF THE FIRE PROTECTION SYSTEMS.
 2. INSTALL SPRINKLER HEADS AT THE TOP OF THE ELEVATOR SHAFT AND IN THE PIT OF THE ELEVATOR SHAFT.
 3. INSTALL DRY PIPE VALVE AND ALL REQUIRED APPURTENANCES TO SUPPLY DRY PIPE SPRINKLER HEADS IN MDF ROOM.
 4. THIS SPACE SHALL BE PROTECTED BY DRY PIPE FIRE SPRINKLER SYSTEM.
 5. PROVIDE CLOSELY SPACED SPRINKLERS (WATER CURTAIN) AROUND OPENING PER NFPA 13.

NOTICE TO CONTRACTORS:

THE FIRE PROTECTION SYSTEMS DESIGNER IS CAUTIONED TO CAREFULLY COORDINATE AND CONSIDER ROUTINGS OF ALL FIRE PROTECTION PIPES AND LOCATIONS OF FIRE SPRINKLER HEADS WITH ALL OTHER DISCIPLINES (ALL STRUCTURAL ELEMENTS, HVAC DUCTWORK, ALL ABOVE CEILING PIPING SYSTEMS, LIGHTING FIXTURES, PLUMBING, MEDICAL GAS, ETC.), AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS AND IN CHASES. THE SHORTEST ROUTE / DISTANCE BETWEEN ANY TWO POINTS MAY NOT BE THE ACCEPTABLE ROUTE, DUE TO EXISTING CONSTRUCTION FEATURES OR CONFLICTS WITH OTHER DISCIPLINES. THE FIRE PROTECTION DESIGNER IS CAUTIONED TO PERFORM A VERY DETAILED SURVEY OF THE BUILDING, EXISTING OR PLANNED, AND CAREFULLY REVIEW ALL PROJECT DRAWINGS AND DETAILS DURING DESIGN OF THE FIRE PROTECTION SYSTEMS.

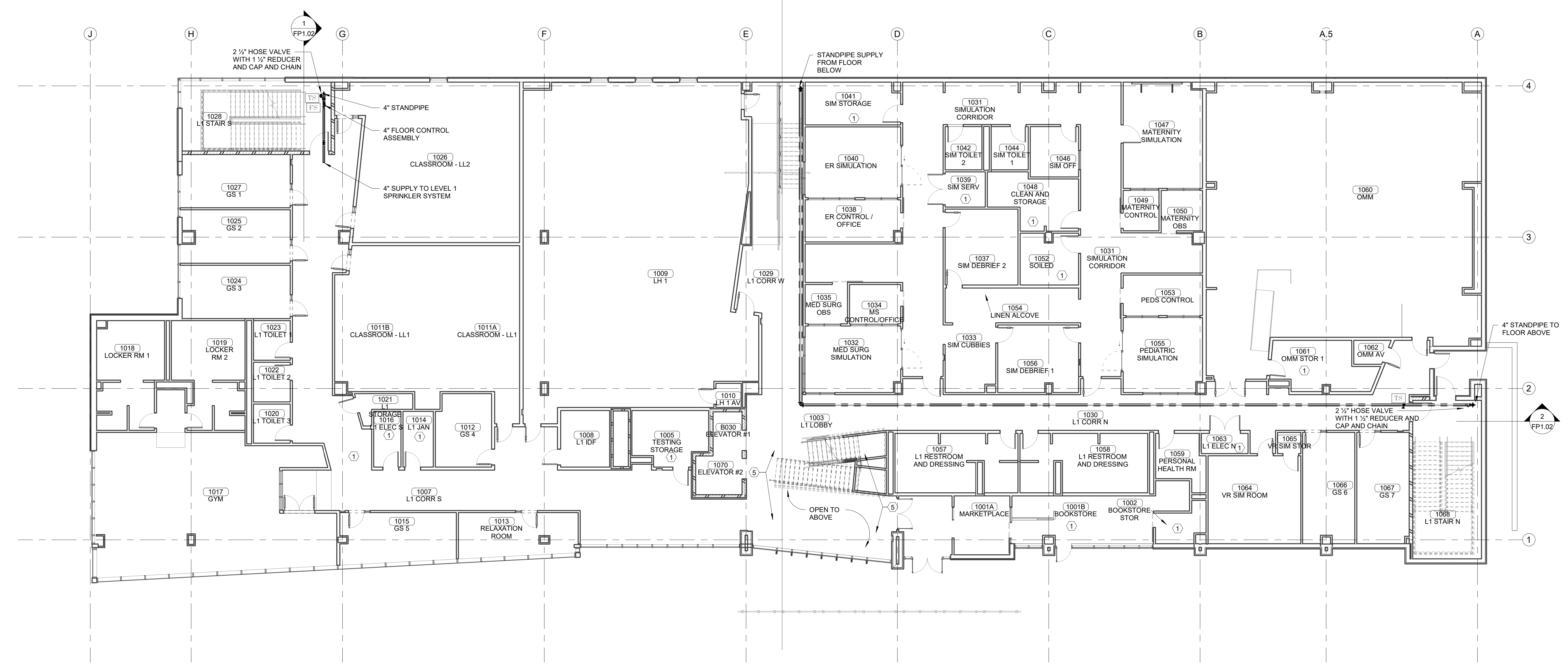
THE INSTALLING FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO FABRICATION AND DURING INSTALLATION. GREAT CARE AND GOOD CRAFTSMANSHIP DURING INSTALLATION IS EXPECTED AT ALL TIMES TO AVOID UNNECESSARY AND UNWANTED DAMAGE TO ANY PART OR FEATURE OF THE BUILDING, EXISTING OR PLANNED. THE INSTALLING CONTRACTOR IS CAUTIONED TO VERIFY ANY AND ALL PENETRATIONS PRIOR TO CUTTING OR DRILLING HOLES FOR PIPES. CONTRACTOR IS FURTHER CAUTIONED TO PRE-DRILL HOLES FOR HANGER ATTACHMENTS, SO AS TO NOT SPLIT, CRACK OR OTHERWISE DAMAGE ANY STRUCTURAL FRAMING MEMBERS OR CONCRETE SLABS. PENETRATIONS OF STRUCTURAL MEMBERS IS STRICTLY PROHIBITED WITHOUT A PROPERLY EXECUTED, WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD. IT MAY BE NECESSARY FOR PIPES TO DROP DOWN, GO UNDER AND RISE UP AT BEAMS, OTHER STRUCTURAL FEATURES OR OTHER BUILDING SYSTEMS. AT ALL TIMES THIS SHALL BE AT CONTRACTOR'S EXPENSE. CONTRACTOR IS CAUTIONED TO COORDINATE WITH ALL OTHER DISCIPLINES.

WARNING: IF THE INSTALLING CONTRACTOR CHOOSES TO USE AND INSTALL FLEXIBLE SPRINKLER DROPS, THEY SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING AND MANUFACTURERS INSTRUCTIONS. ATTENTION SHALL BE PAID TO BOTH THE RADIUS OF EACH BEND THAT MAY BE IN ANY SINGLE FLEXIBLE DROP, AS WELL AS THE TOTAL NUMBER OF BENDS INSTALLED IN ANY SINGLE FLEXIBLE DROP THAT MAY BE INSTALLED. THIS SHALL BE CLOSELY SCRUTINIZED IN THE FIELD DURING INSTALLATION. CONTRACTORS SHALL REPLACE EVERY FLEXIBLE DROP THAT IS DEEMED NOT TO BE INSTALLED ACCORDING TO ITS LISTING AND APPROVAL AND HP ENGINEERING SHALL HAVE THE FINAL WORD ON WHETHER OR NOT FLEXIBLE SPRINKLER DROPS ARE INSTALLED ACCORDING TO THEIR LISTING. ANY FLEXIBLE SPRINKLER DROPS DEEMED TO BE INSTALLED INCORRECTLY SHALL BE REPLACED WITH LONGER, APPROPRIATE LENGTH FLEXIBLE DROPS, OR REPLACED WITH HARD-PIPED RETURN BENDS. IN EVERY INSTANCE, THIS SHALL BE AT THE CONTRACTOR'S EXPENSE. CONTRACTORS ARE CAUTIONED NOT TO TRY AND USE SHORT FLEXIBLE SPRINKLER DROPS TO "GET BY", WHEN A LONGER FLEXIBLE SPRINKLER DROP IS WHAT THE INSTALLATION REQUIRES.

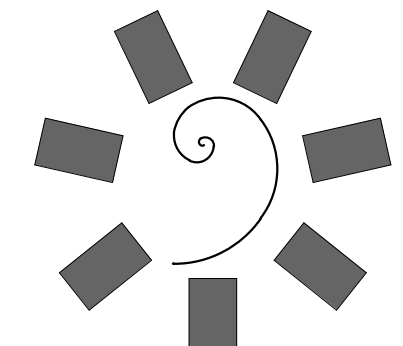
SUPPLY MAIN NOTES

FIRE PROTECTION SUPPLY MAINS HAVE BEEN SHOWN AS A PLACEHOLDER - FOR GENERAL COORDINATION. FINAL ROUTINGS OF THE MAINS SHALL BE DETERMINED BY THE INSTALLING FIRE SPRINKLER CONTRACTOR, BUT EFFORTS TO USE THE LOCATIONS SHOWN HEREIN SHOULD BE MADE.

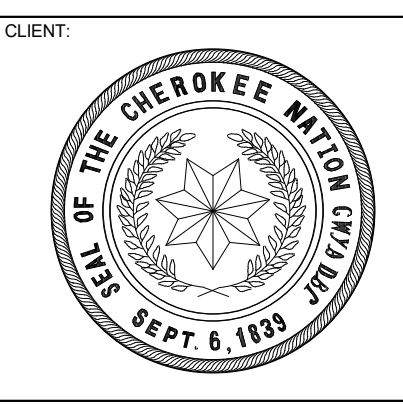
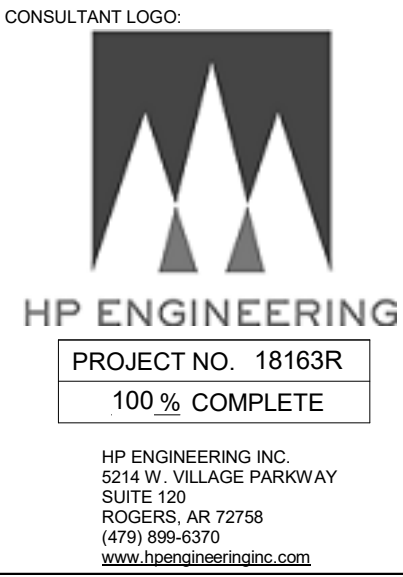
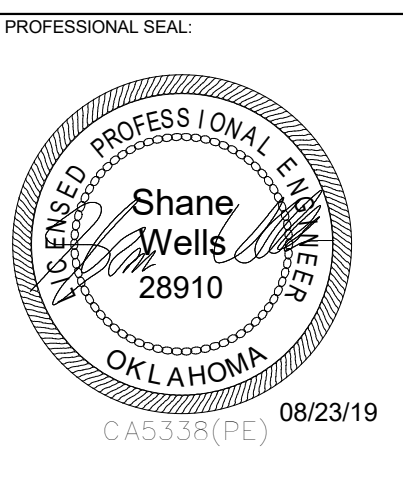
THE INSTALLING CONTRACTOR WILL NEED TO COORDINATE WITH ALL OTHER DISCIPLINES AT ALL TIMES, ESPECIALLY THE MECHANICAL CONTRACTOR, AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS IN SOME AREAS.



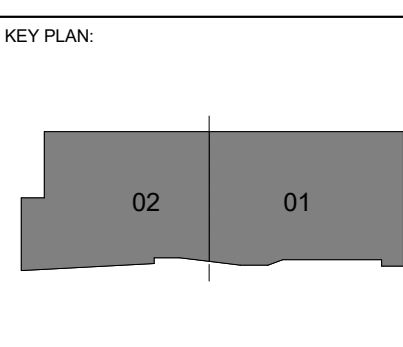
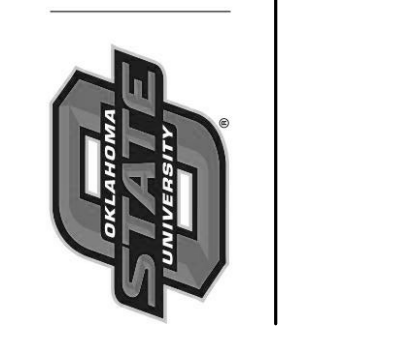
1 FIRE PROTECTION PLAN - LEVEL 1
1" = 10'-0"



James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2450
www.childersarchitect.com



COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA



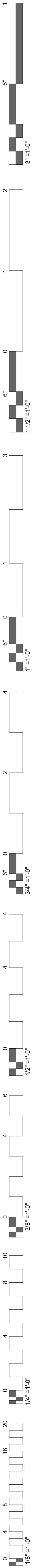
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

#	DATE	REVISIONS	DESCRIPTION

DATE: 08-23-19 JOB NUMBER: 17-13

SHEET NUMBER:
FP3.00

FIRE PROTECTION PLAN - LEVEL 1



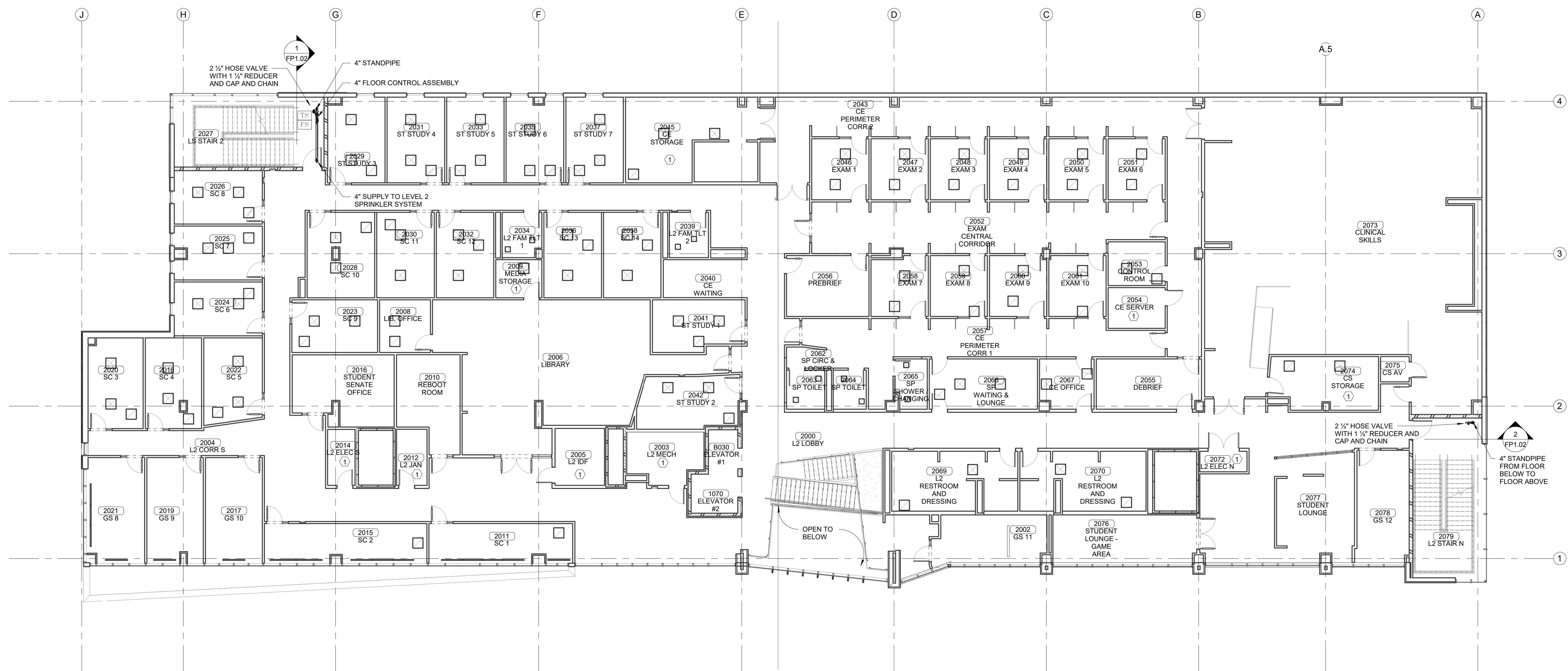
- KEYED NOTES:**
1. THIS SPACE SHALL BE CONSIDERED ORDINARY HAZARD AND SPRINKLER HEAD COVERAGE SHALL NOT EXCEED 130 SQUARE FEET PER SPRINKLER HEAD.
 2. INSTALL SPRINKLER HEADS AT THE TOP OF THE ELEVATOR SHAFT AND IN THE PIT OF THE ELEVATOR SHAFT.
 3. INSTALL DRY PIPE VALVE AND ALL REQUIRED APPURTENANCES TO SUPPLY DRY PIPE SPRINKLER HEADS IN MDF ROOM.
 4. THIS SPACE SHALL BE PROTECTED BY DRY PIPE FIRE SPRINKLER SYSTEM.
 5. PROVIDE CLOSELY SPACED SPRINKLERS (WATER CURTAIN) AROUND OPENING PER NFPA 13.

NOTICE TO CONTRACTORS:

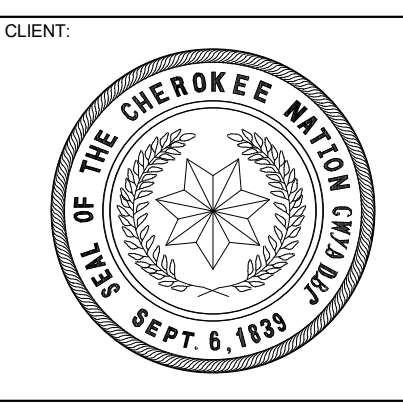
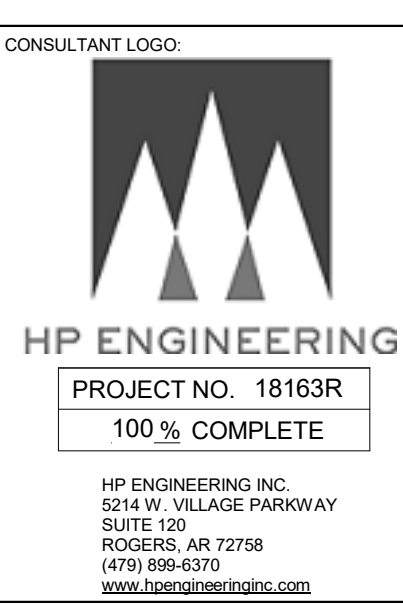
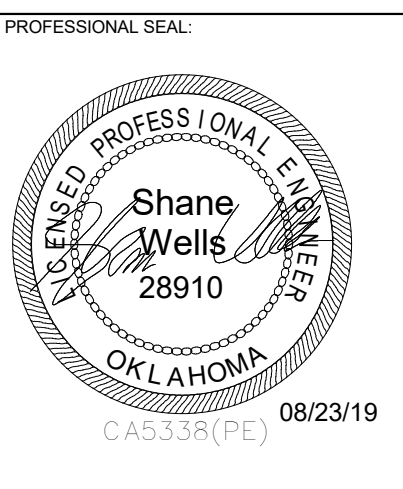
THE FIRE PROTECTION SYSTEMS DESIGNER IS CAUTIONED TO CAREFULLY COORDINATE AND CONSIDER ROUTINGS OF ALL FIRE PROTECTION PIPES AND LOCATIONS OF FIRE SPRINKLER HEADS WITH ALL OTHER DISCIPLINES (ALL STRUCTURAL ELEMENTS, HVAC DUCTWORK, ALL ABOVE CEILING PIPING SYSTEMS, LIGHTING FIXTURES, PLUMBING, MEDICAL GAS, ETC.), AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS AND IN CHASES. THE SHORTEST ROUTE / DISTANCE BETWEEN ANY TWO POINTS MAY NOT BE THE ACCEPTABLE ROUTE, DUE TO EXISTING CONSTRUCTION FEATURES OR CONFLICTS WITH OTHER DISCIPLINES. THE FIRE PROTECTION DESIGNER IS CAUTIONED TO PERFORM A VERY DETAILED SURVEY OF THE BUILDING, EXISTING OR PLANNED, AND CAREFULLY REVIEW ALL PROJECT DRAWINGS AND DETAILS DURING DESIGN OF THE FIRE PROTECTION SYSTEMS.

THE INSTALLING FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO FABRICATION AND DURING INSTALLATION. GREAT CARE AND GOOD CRAFTSMANSHIP DURING INSTALLATION IS EXPECTED AT ALL TIMES TO AVOID UNNECESSARY AND UNWANTED DAMAGE TO ANY PART OR FEATURE OF THE BUILDING, EXISTING OR PLANNED. THE INSTALLING CONTRACTOR IS CAUTIONED TO VERIFY ANY AND ALL PENETRATIONS PRIOR TO CUTTING OR DRILLING HOLES FOR PIPES. CONTRACTOR IS FURTHER CAUTIONED TO PRE-DRILL HOLES FOR HANGER ATTACHMENTS, SO AS TO NOT SPLIT, CRACK OR OTHERWISE DAMAGE ANY STRUCTURAL FRAMING MEMBERS OR CONCRETE SLABS. PENETRATIONS OF STRUCTURAL MEMBERS IS STRICTLY PROHIBITED WITHOUT A PROPERLY EXECUTED, WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD. IT MAY BE NECESSARY FOR PIPES TO DROP DOWN, GO UNDER AND RISE UP AT BEAMS, OTHER STRUCTURAL FEATURES OR OTHER BUILDING SYSTEMS. AT ALL TIMES THIS SHALL BE AT CONTRACTOR'S EXPENSE. CONTRACTOR IS CAUTIONED TO COORDINATE WITH ALL OTHER DISCIPLINES.

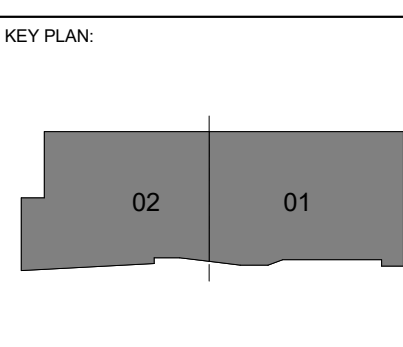
WARNING: IF THE INSTALLING CONTRACTOR CHOOSES TO USE AND INSTALL FLEXIBLE SPRINKLER DROPS, THEY SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING AND MANUFACTURERS INSTRUCTIONS. ATTENTION SHALL BE PAID TO BOTH THE RADIUS OF EACH BEND THAT MAY BE IN ANY SINGLE FLEXIBLE DROP AS WELL AS THE TOTAL NUMBER OF BENDS INSTALLED IN ANY SINGLE FLEXIBLE DROP THAT MAY BE INSTALLED. THIS SHALL BE CLOSELY SCRUTINIZED IN THE FIELD DURING INSTALLATION. CONTRACTORS SHALL REPLACE EVERY FLEXIBLE DROP THAT IS DEEMED NOT TO BE INSTALLED ACCORDING TO ITS LISTING AND APPROVAL, AND HP ENGINEERING SHALL HAVE THE FINAL WORD ON WHETHER OR NOT FLEXIBLE SPRINKLER DROPS ARE INSTALLED ACCORDING TO THEIR LISTING. ANY FLEXIBLE SPRINKLER DROPS DEEMED TO BE INSTALLED INCORRECTLY SHALL BE REPLACED WITH LONGER, APPROPRIATE LENGTH FLEXIBLE DROPS, OR REPLACED WITH HARD-PIPED RETURN BENDS. IN EVERY INSTANCE, THIS SHALL BE AT THE CONTRACTOR'S EXPENSE. CONTRACTORS ARE CAUTIONED NOT TO TRY AND USE SHORT FLEXIBLE SPRINKLER DROPS TO "GET BY", WHEN A LONGER FLEXIBLE SPRINKLER DROP IS WHAT THE INSTALLATION REQUIRES.



1 FIRE PROTECTION PLAN - LEVEL 2
1" = 10'-0"



COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA



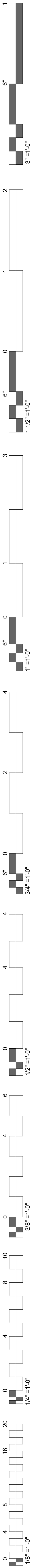
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

#	DATE	REVISIONS DESCRIPTION

DATE: 08-23-19 JOB NUMBER: 17-13

SHEET NUMBER:
FP4.00

FIRE PROTECTION PLAN - LEVEL 2



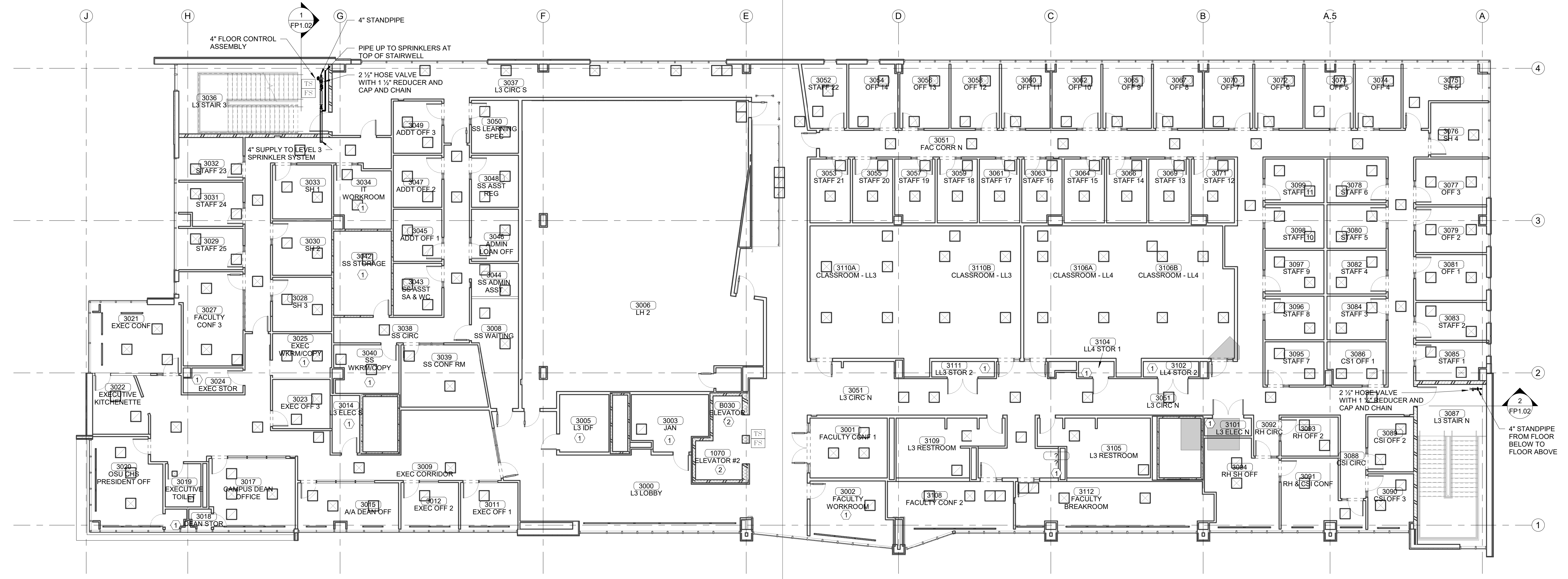
- KEYED NOTES:**
1. THIS SPACE SHALL BE CONSIDERED ORDINARY HAZARD AND SPRINKLER HEAD COVERAGE SHALL NOT EXCEED 130 SQUARE FEET PER SPRINKLER HEAD.
 2. INSTALL SPRINKLER HEADS AT THE TOP OF THE ELEVATOR SHAFT AND IN THE PIT OF THE ELEVATOR SHAFT.
 3. INSTALL DRY PIPE VALVE AND ALL REQUIRED APPURTENANCES TO SUPPLY DRY SPRINKLER HEADS IN MDF ROOM.
 4. THIS SPACE SHALL BE PROTECTED BY DRY PIPE FIRE SPRINKLER SYSTEM.
 5. PROVIDE CLOSELY SPACED SPRINKLERS (WATER CURTAIN) AROUND OPENING PER NFPA 13.

NOTICE TO CONTRACTORS:

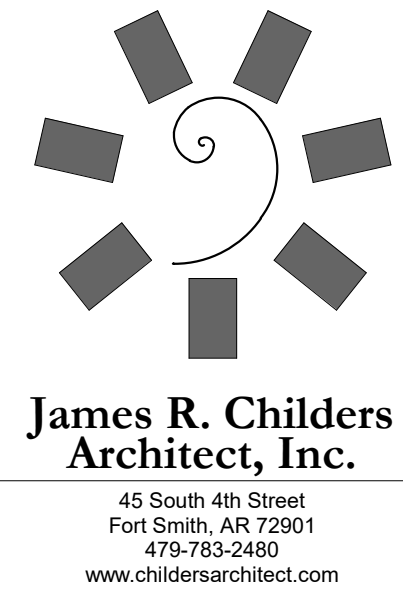
THE FIRE PROTECTION SYSTEMS DESIGNER IS CAUTIONED TO CAREFULLY COORDINATE AND CONSIDER ROUTINGS OF ALL FIRE PROTECTION PIPES AND LOCATIONS OF FIRE SPRINKLER HEADS WITH ALL OTHER DISCIPLINES (ALL STRUCTURAL ELEMENTS, HVAC DUCTWORK, ALL ABOVE CEILING PIPING SYSTEMS, LIGHTING FIXTURES, PLUMBING, MEDICAL GAS, ETC.), AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS AND IN CHASES. THE SHORTEST ROUTE / DISTANCE BETWEEN ANY TWO POINTS MAY NOT BE THE ACCEPTABLE ROUTE. DUE TO EXISTING CONSTRUCTION FEATURES OR CONFLICTS WITH OTHER DISCIPLINES, THE FIRE PROTECTION DESIGNER IS CAUTIONED TO PERFORM A VERY DETAILED SURVEY OF THE BUILDING, EXISTING OR PLANNED, AND CAREFULLY REVIEW ALL PROJECT DRAWINGS AND DETAILS DURING DESIGN OF THE FIRE PROTECTION SYSTEMS.

THE INSTALLING FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO FABRICATION AND DURING INSTALLATION. GREAT CARE AND GOOD CRAFTSMANSHIP DURING INSTALLATION IS EXPECTED AT ALL TIMES TO AVOID UNNECESSARY AND UNWANTED DAMAGE TO ANY PART OR FEATURE OF THE BUILDING, EXISTING OR PLANNED. THE INSTALLING CONTRACTOR IS CAUTIONED TO VERIFY ANY AND ALL PENETRATIONS PRIOR TO CUTTING OR DRILLING HOLES FOR PIPES. CONTRACTOR IS FURTHER CAUTIONED TO PRE-DRILL HOLES FOR HANGER ATTACHMENTS, SO AS TO NOT SPLIT, CRACK OR OTHERWISE DAMAGE ANY STRUCTURAL FRAMING MEMBERS OR CONCRETE SLABS. PENETRATIONS OF STRUCTURAL MEMBERS IS STRICTLY PROHIBITED WITHOUT A PROPERLY EXECUTED, WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD. IT MAY BE NECESSARY FOR PIPES TO DROP DOWN, GO UNDER AND RISE UP AT BEAMS, OTHER STRUCTURAL FEATURES OR OTHER BUILDING SYSTEMS. AT ALL TIMES THIS SHALL BE AT CONTRACTOR'S EXPENSE. CONTRACTOR IS CAUTIONED TO COORDINATE WITH ALL OTHER DISCIPLINES.

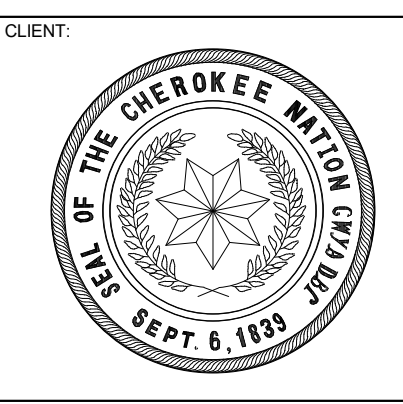
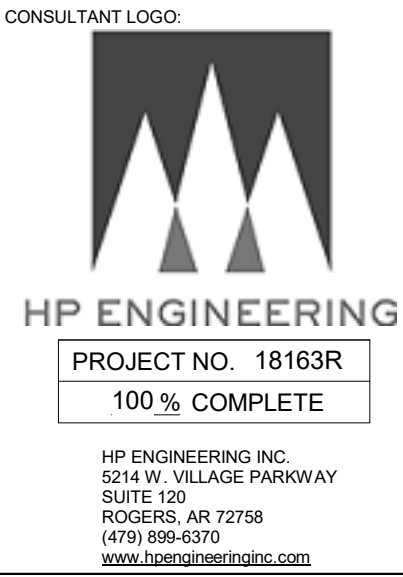
WARNING: IF THE INSTALLING CONTRACTOR CHOOSES TO USE AND INSTALL FLEXIBLE SPRINKLER DROPS, THEY SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING AND MANUFACTURERS INSTRUCTIONS. ATTENTION SHALL BE PAID TO BOTH THE RADIUS OF EACH BEND THAT MAY BE IN ANY SINGLE FLEXIBLE DROP, AS WELL AS THE TOTAL NUMBER OF BENDS INSTALLED IN ANY SINGLE FLEXIBLE DROP THAT MAY BE INSTALLED. THIS SHALL BE CLOSELY SCRUTINIZED IN THE FIELD DURING INSTALLATION. CONTRACTORS SHALL REPLACE EVERY FLEXIBLE DROP THAT IS DEEMED NOT TO BE INSTALLED ACCORDING TO ITS LISTING AND APPROVAL, AND HP ENGINEERING SHALL HAVE THE FINAL WORD ON WHETHER OR NOT FLEXIBLE SPRINKLER DROPS ARE INSTALLED ACCORDING TO THEIR LISTING. ANY FLEXIBLE SPRINKLER DROPS DEEMED TO BE INSTALLED INCORRECTLY SHALL BE REPLACED WITH LONGER, APPROPRIATE LENGTH FLEXIBLE DROPS, OR REPLACED WITH HARD-PIPED RETURN BENDS. IN EVERY INSTANCE, THIS SHALL BE AT THE CONTRACTORS EXPENSE. CONTRACTORS ARE CAUTIONED NOT TO TRY AND USE SHORT FLEXIBLE SPRINKLER DROPS TO "GET BY", WHEN A LONGER FLEXIBLE SPRINKLER DROP IS WHAT THE INSTALLATION REQUIRES.



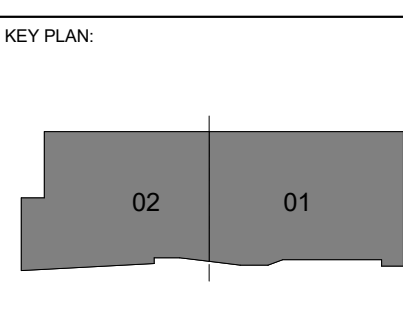
1 FIRE PROTECTION PLAN - LEVEL 3
1" = 10'-0"



James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2450
www.childersarchitect.com



COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA



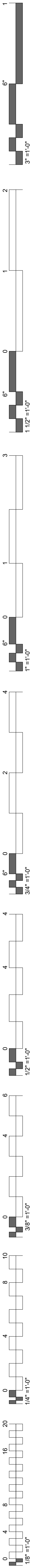
PROJECT PHASE
CONSTRUCTION DOCUMENTS

#	DATE	REVISIONS	DESCRIPTION

DATE: 08-23-19 JOB NUMBER: 17-13

SHEET NUMBER: **FP5.00**

FIRE PROTECTION PLAN - LEVEL 3

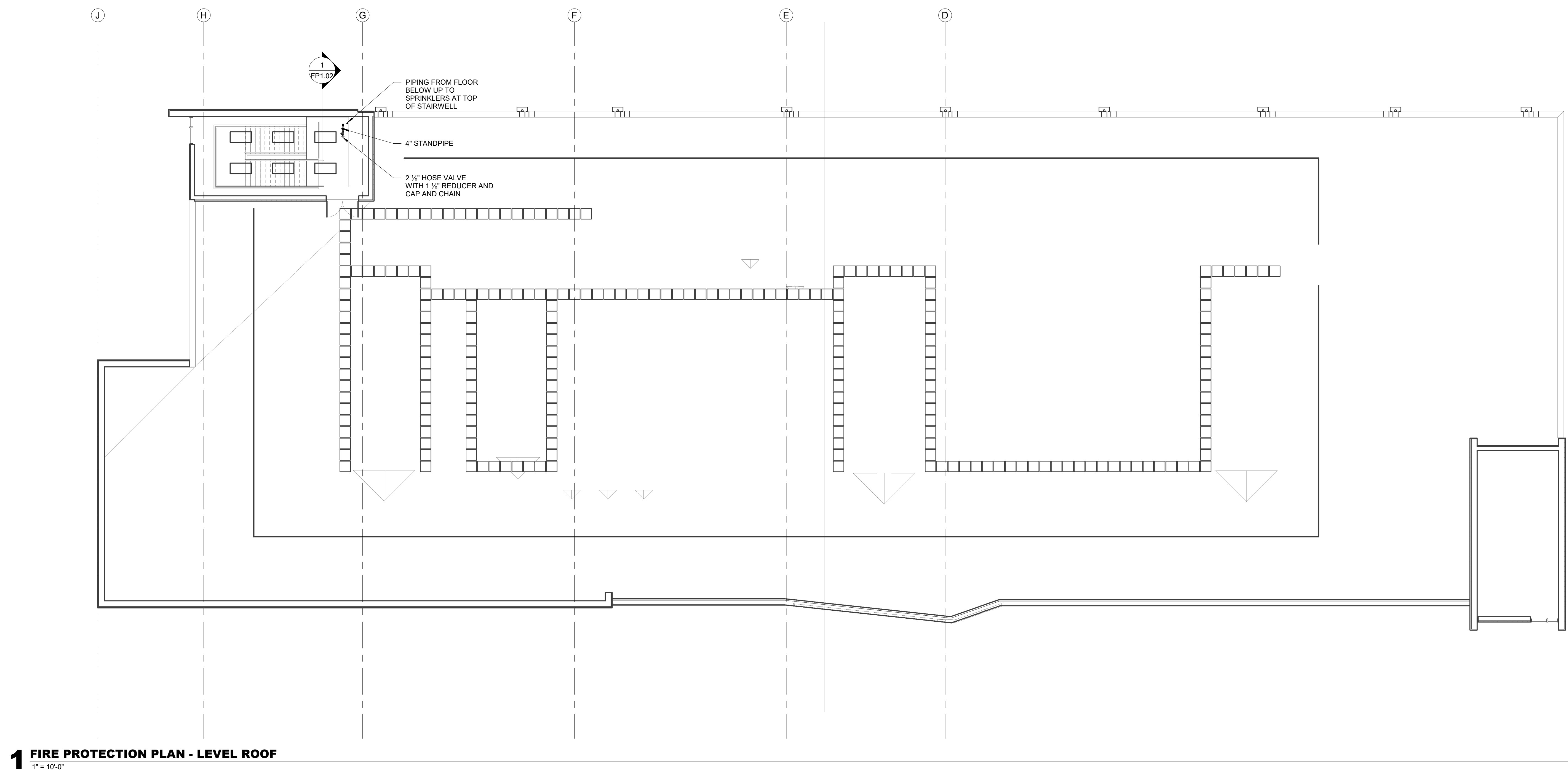


NOTICE TO CONTRACTORS:

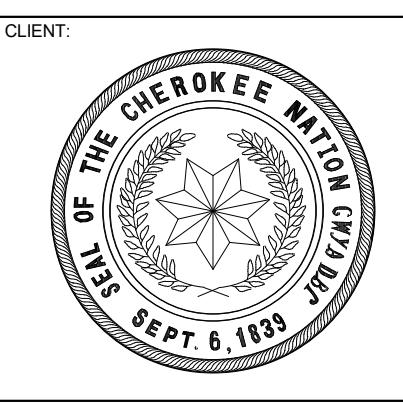
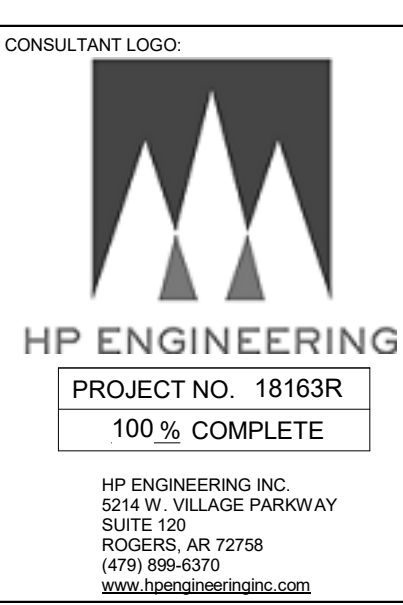
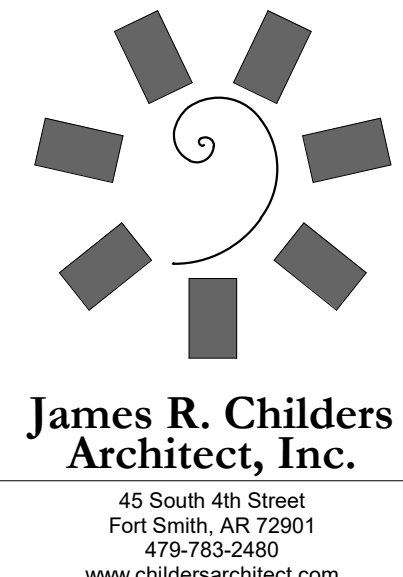
THE FIRE PROTECTION SYSTEMS DESIGNER IS CAUTIONED TO CAREFULLY COORDINATE AND CONSIDER ROUTINGS OF ALL FIRE PROTECTION PIPES AND LOCATIONS OF FIRE SPRINKLER HEADS WITH ALL OTHER DISCIPLINES (ALL STRUCTURAL ELEMENTS, HVAC DUCTWORK, ALL ABOVE CEILING PIPING SYSTEMS, LIGHTING FIXTURES, PLUMBING, MEDICAL GAS, ETC.), AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS AND IN CHASES. THE SHORTEST ROUTE / DISTANCE BETWEEN ANY TWO POINTS MAY NOT BE THE ACCEPTABLE ROUTE, DUE TO EXISTING CONSTRUCTION FEATURES OR CONFLICTS WITH OTHER DISCIPLINES. THE FIRE PROTECTION DESIGNER IS CAUTIONED TO PERFORM A VERY DETAILED SURVEY OF THE BUILDING, EXISTING OR PLANNED, AND CAREFULLY REVIEW ALL PROJECT DRAWINGS AND DETAILS DURING DESIGN OF THE FIRE PROTECTION SYSTEMS.

THE INSTALLING FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO FABRICATION AND DURING INSTALLATION. GREAT CARE AND GOOD CRAFTSMANSHIP DURING INSTALLATION IS EXPECTED AT ALL TIMES TO AVOID UNNECESSARY AND UNWANTED DAMAGE TO ANY PART OR FEATURE OF THE BUILDING, EXISTING OR PLANNED. THE INSTALLING CONTRACTOR IS CAUTIONED TO VERIFY ANY AND ALL PENETRATIONS PRIOR TO CUTTING OR DRILLING HOLES FOR PIPES. CONTRACTOR IS FURTHER CAUTIONED TO PRE-DRILL HOLES FOR HANGER ATTACHMENTS, SO AS TO NOT SPLIT, CRACK OR OTHERWISE DAMAGE ANY STRUCTURAL FRAMING MEMBERS OR CONCRETE SLABS. PENETRATIONS OF STRUCTURAL MEMBERS IS STRICTLY PROHIBITED WITHOUT A PROPERLY EXECUTED, WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD. IT MAY BE NECESSARY FOR PIPES TO DROP DOWN, GO UNDER AND RISE UP AT BEAMS, OTHER STRUCTURAL FEATURES OR OTHER BUILDING SYSTEMS. AT ALL TIMES THIS SHALL BE AT CONTRACTOR'S EXPENSE. CONTRACTOR IS CAUTIONED TO COORDINATE WITH ALL OTHER DISCIPLINES.

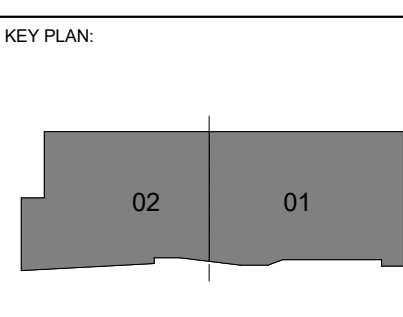
WARNING: IF THE INSTALLING CONTRACTOR CHOOSES TO USE AND INSTALL FLEXIBLE SPRINKLER DROPS, THEY SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING AND MANUFACTURERS INSTRUCTIONS. ATTENTION SHALL BE PAID TO BOTH THE RADIUS OF EACH BEND THAT MAY BE IN ANY SINGLE FLEXIBLE DROP, AS WELL AS THE TOTAL NUMBER OF BENDS INSTALLED IN ANY SINGLE FLEXIBLE DROP THAT MAY BE INSTALLED. THIS SHALL BE CLOSELY SCRUTINIZED IN THE FIELD DURING INSTALLATION. CONTRACTORS SHALL REPLACE EVERY FLEXIBLE DROP THAT IS DEEMED NOT TO BE INSTALLED ACCORDING TO ITS LISTING AND APPROVAL, AND HP ENGINEERING SHALL HAVE THE FINAL WORD ON WHETHER OR NOT FLEXIBLE SPRINKLER DROPS ARE INSTALLED ACCORDING TO THEIR LISTING. ANY FLEXIBLE SPRINKLER DROPS DEEMED TO BE INSTALLED INCORRECTLY SHALL BE REPLACED WITH LONGER, APPROPRIATE LENGTH FLEXIBLE DROPS, OR REPLACED WITH HARD-PIPED RETURN BENDS. IN EVERY INSTANCE, THIS SHALL BE AT THE CONTRACTORS EXPENSE. CONTRACTORS ARE CAUTIONED NOT TO TRY AND USE SHORT FLEXIBLE SPRINKLER DROPS TO "GET BY", WHEN A LONGER FLEXIBLE SPRINKLER DROP IS WHAT THE INSTALLATION REQUIRES.



1 FIRE PROTECTION PLAN - LEVEL ROOF
1\"/>



COLLEGE OF Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA



PROJECT PHASE:
CONSTRUCTION DOCUMENTS

#	DATE	REVISIONS DESCRIPTION

DATE: **08-23-19** JOB NUMBER: **17-13**

SHEET NUMBER:
FP6.00

FIRE PROTECTION PLAN - ROOF LEVEL