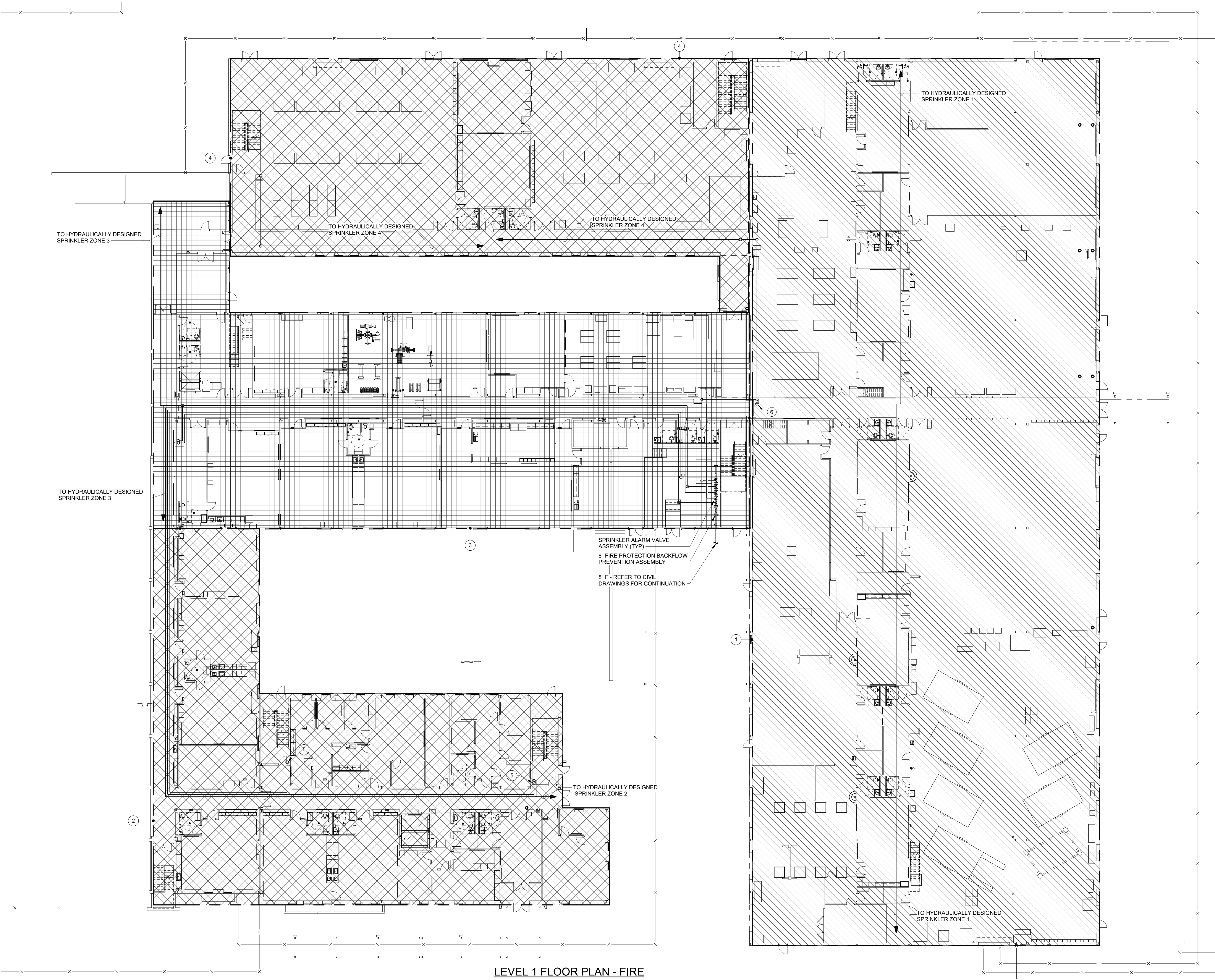


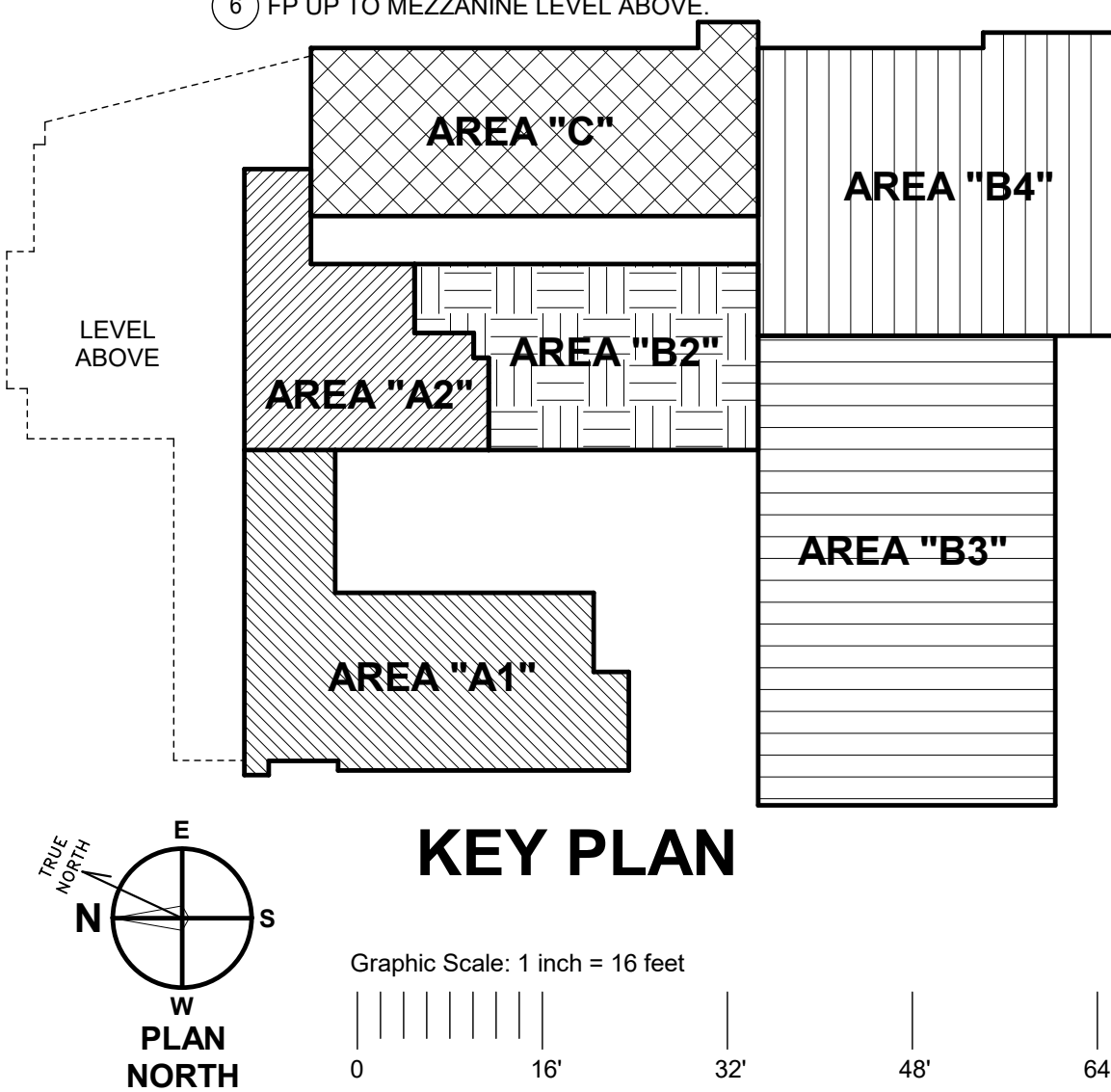
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LEVEL 1 FLOOR PLAN - FIRE PROTECTION
1/16" = 1'-0"



GENERAL NOTES:

- THE ENTIRE BUILDING SHALL BE PROTECTED BY A FIRE SPRINKLER SYSTEM, DELEGATED, DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 REQUIREMENTS. THE SPRINKLER SYSTEM SHALL ALSO COMPLY WITH NFPA 25, NFPA 101, IFC AND THE LOCAL AUTHORITY HAVING JURISDICTION.
- THE CONTRACTOR SHALL PROVIDE ACCESS PANELS AND DOORS FOR ALL CONCEALED EQUIPMENT, VALVES, STRAINERS, CONTROLS, CONTROL DEVICES, CLEANOUTS, TRAPS AND OTHER DEVICES REQUIRING MAINTENANCE. SERVICE ADJUSTMENT, BALANCING OR MANUAL OPERATION. FOR AREAS WITH HARD CEILINGS THAT ARE NOT BEING REPLACED, THE CONTRACTOR SHALL INSTALL ACCESS DOORS TO ACCOMMODATE INSTALLATION OF THE SPRINKLER SYSTEM ABOVE THE EXISTING HARD CEILING. CONFIRM ALL LOCATIONS OF ACCESS PANELS IN OCCUPIED SPACES WITH ARCHITECT DURING SHOP DRAWING REVIEW.
- PROVIDE LABELING, IDENTIFICATIONS AND PIPE MARKERS ON EQUIPMENT, PIPING AND SYSTEM COMPONENTS IN ACCORDANCE WITH NFPA REQUIREMENTS.
- ALL EXPOSED PIPING SHALL BE PAINTED.
- PIPE HANGERS SHALL BE 10'-0" MAXIMUM ON CENTER DISTANCE. BAR JOIST HANGERS SHALL BE ATTACHED TO THE TOP CHORD AT THE PANEL JOINT.
- SUPERVISION AND COORDINATION: PROVIDE COMPLETE SUPERVISION, DIRECTION, SCHEDULING, AND COORDINATION OF ALL WORK UNDER THE CONTRACT. INCLUDING THAT OF SUBCONTRACTORS. COORDINATE ROUGH-IN OF ALL WORK AND INSTALLATION OF SLEEVES, ANCHORS AND SUPPORTS FOR PIPING AND OTHER WORK PERFORMED WITH WORK UNDER ALL OTHER TRADES. COORDINATE ELECTRICAL WORK REQUIRED WITH THE ELECTRICAL AND FIRE ALARM SUBCONTRACTORS.
- CUTTING AND PATCHING: ACCOMPLISH ALL CUTTING AND PATCHING NECESSARY FOR THE INSTALLATION OF ALL WORK UNDER DIVISION 21. DAMAGE RESULTING FROM THIS WORK TO OTHER WORK ALREADY IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. WHERE CUTTING IS REQUIRED, SAW, CUT OR CORE DRILL ONLY AND PERFORM WORK IN A NEAT AND WORKMANLIKE MANNER. USE MECHANICS SKILLED IN THE PARTICULAR TRADES REQUIRED. DO NOT CUT STRUCTURAL MEMBERS WITHOUT APPROVAL.
- ACCESSIBILITY: ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A WAY THAT ALL COMPONENTS REQUIRING ACCESS (SUCH AS VALVES, FLOW SWITCHES, TAMPER SWITCHES, SITE GLASSES, DISCONNECT SWITCHES, CIRCUIT BREAKERS, STARTERS AND ACCESSORIES) ARE LOCATED AND INSTALLED THAT THEY MAY BE SERVICED, RESET, REPLACED, RECALIBRATED, ETC. BY SERVICE TECHNICIANS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. IF ANY EQUIPMENT OR COMPONENTS ARE LOCATED IN SUCH A POSITION THAT THIS CONTRACTOR CANNOT COMPLY WITH THE ABOVE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE EQUIPMENT IS INSTALLED.
- PROVIDE ESCUTCHEONS FOR PENETRATIONS OF WALLS, CEILINGS AND FLOOR FOR EXPOSED PIPING.
- INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS, GYPSUM-BOARD PARTITIONS, AND CONCRETE FLOOR AND ROOF SLABS.
- MAINTAIN INDICATED FIRE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS. SEAL PIPE PENETRATIONS WITH FIRESTOP MATERIALS.
- COORDINATE LAYOUT AND INSTALLATION OF FIRE PROTECTION SYSTEM WITH ALL OTHER BUILDINGS' STRUCTURAL, MECHANICAL AND ELECTRICAL WORK. LOCATE SPRINKLER HEADS IN THE CENTER OF CEILING TILES. LIGHTING FIXTURES, REGISTERS, GRILLES, DIFFUSERS, ETC. PROVIDE PIPING OFFSETS AS REQUIRED TO MAINTAIN SYMMETRY. SPRINKLER PIPE VELOCITY SHALL NOT EXCEED EIGHTEEN (18) FEET PER SECOND (FPS). THE SYSTEM DESIGN SHALL LIMIT MAXIMUM DEMAND FLOW RATES AT 25% GREATER THAN THE DESIGN REQUIREMENT ESTABLISHED BY THE NFPA. LOCATE ALL PIPING ABOVE CEILINGS REMOVE AND REINSTALL CEILING SYSTEMS TO ACCOMMODATE THE INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR THE REPAIR/REMOVAL OF HARD CEILINGS TO ACCOMMODATE SPRINKLER INSTALLATION. PROVIDE CEILING ACCESS PANELS AS NECESSARY FOR PIPING INSTALLATION ABOVE HARD CEILINGS WHICH ARE EXISTING TO REMAIN. THE ENTIRE BUILDING SHALL BE PROTECTED BY A WET PIPE SPRINKLER SYSTEM INCLUDING MECHANICAL AND ELECTRICAL EQUIPMENT SPACES. THE CONTRACTOR IS CAUTIONED THAT SPRINKLER MAINS MUST BE LOCATED TO PREVENT CONFLICTS WITH OTHER WORK AND IN ANY CASE, SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF HIS WORK WITH THE WORK OF OTHER TRADES AND EXISTING SYSTEMS. AIR TERMINAL DEVICES, UNITS AND EQUIPMENT SHALL BE INDICATED ON THE COORDINATED LAYOUT/SHOP DRAWINGS. FOR EXPOSED AREAS, CONCEAL PIPING AND UTILIZE SIDEWALL HEADS WHEREVER POSSIBLE. INCLUDING IN CONJUNCTION WITH PENDANT HEADS WHERE REQUIRED. FOR EXPOSED PIPING GET APPROVAL FROM THE ARCHITECT AND ENGINEER OF THE PROPOSED LOCATION AND ROUTING PRIOR TO FABRICATION AND INSTALLATION OF THE SYSTEMS.
- TESTS: THE SPRINKLER SYSTEMS INSTALLATION SHALL BE HYDROSTATICALLY TESTED, INSPECTED AND APPROVED, IN ACCORDANCE WITH NFPA STANDARD No.13. TEST CERTIFICATES SHALL BE FORWARDED TO THE OFFICE OF THE STATE FIRE MARSHAL AND THE LOCAL FIRE DEPARTMENT, AS PROOF OF COMPLIANCE. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE OFFICE OF THE STATE FIRE MARSHAL AND LOCAL FIRE DEPARTMENT, AS REQUIRED AND SHALL BE PROVE THE SYSTEMS TO BE ADEQUATE AND SATISFACTORY IN EVERY ASPECT. ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE STATE OR LOCAL FIRE MARSHAL OR HIS REPRESENTATIVE. ANY DEFICIENCIES REVEALED BY THESE TESTS SHALL BE CORRECTED AND THE SYSTEMS SHALL BE RETESTED UNTIL ACCEPTABLE RESULTS ARE OBTAINED.
- AS BUILT DRAWINGS: PROVIDE SEPARATE AS-BUILT DRAWINGS OF ALL FIRE PROTECTION SYSTEMS MEETING REQUIREMENTS OF GENERAL MECHANICAL REQUIREMENTS HERE IN BEFORE SPECIFIED. PROVIDE HARD COPIES AND ELECTRONIC COPIES TO THE OWNER.

DRAWING NOTES:

- SPRINKLER ZONE #1(51,395 S.F.); FIRST FLOOR AREA (44,910 S.F.)
- SPRINKLER ZONE #2 (48,707 S.F.); FIRST FLOOR AREA (15,388 S.F.)
- SPRINKLER ZONE #3 (51,301 S.F.); FIRST FLOOR AREA (20,319 S.F.)
- SPRINKLER ZONE #4 (31,363 S.F.); FIRST FLOOR AREA (16,086 S.F.)
- STANDPIPE
- FP UP TO MEZZANINE LEVEL ABOVE

SEAL:

CONSULTANT:

ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE, SUITE 450 HUNT VALLEY, MD 21083
WWW.ALBANENGINEERING.COM
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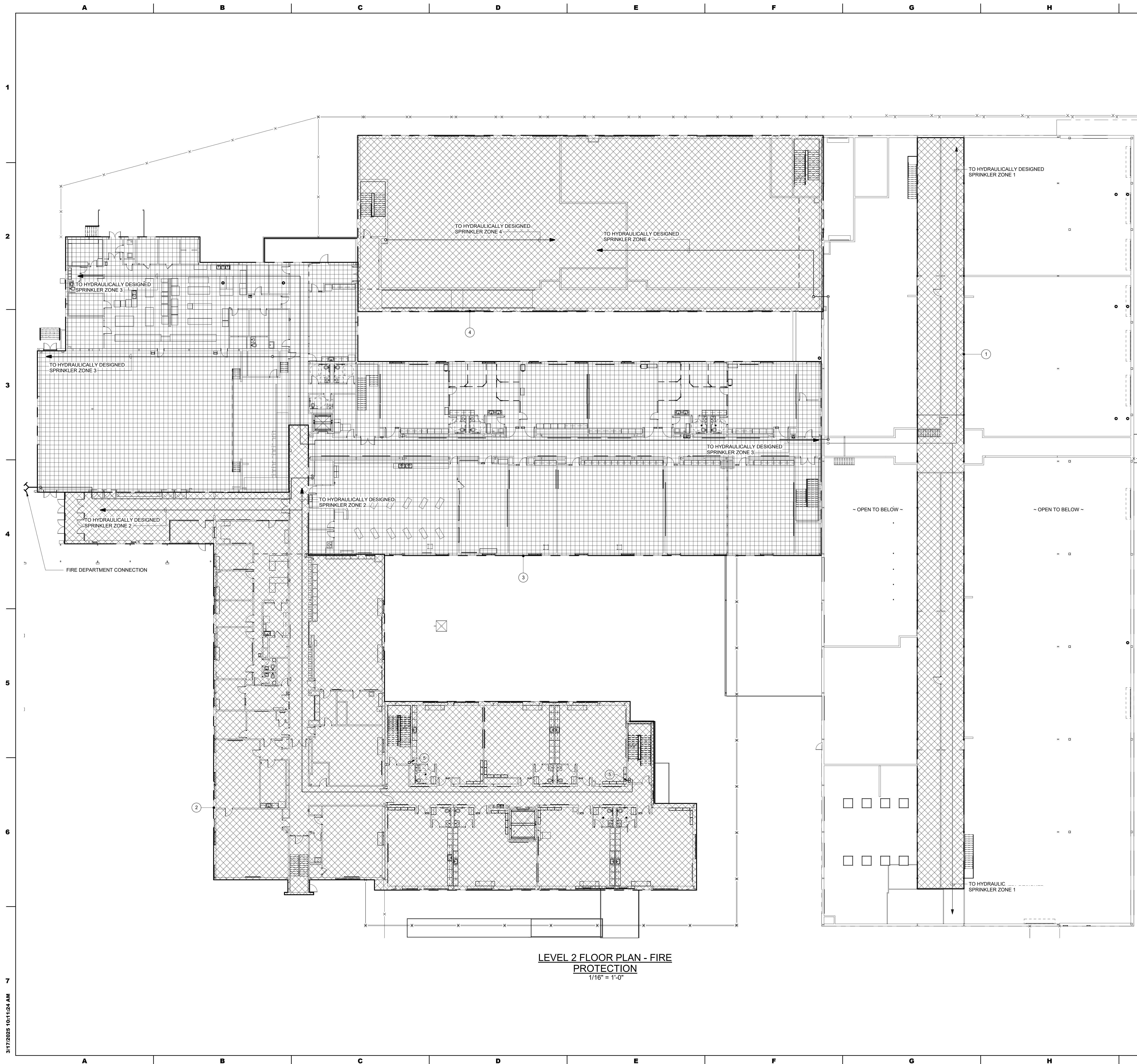
ADDITIONS AND RENOVATIONS TO THE
FOLCROFT TECHNICAL SCHOOL
DELAWARE COUNTY
INTERMEDIATE UNIT
701 HENDERSON BLVD.
FOLCROFT, PA 19032

ISSUE DATES
DATE: 03/17/2025
DESCRIPTION: BID SET

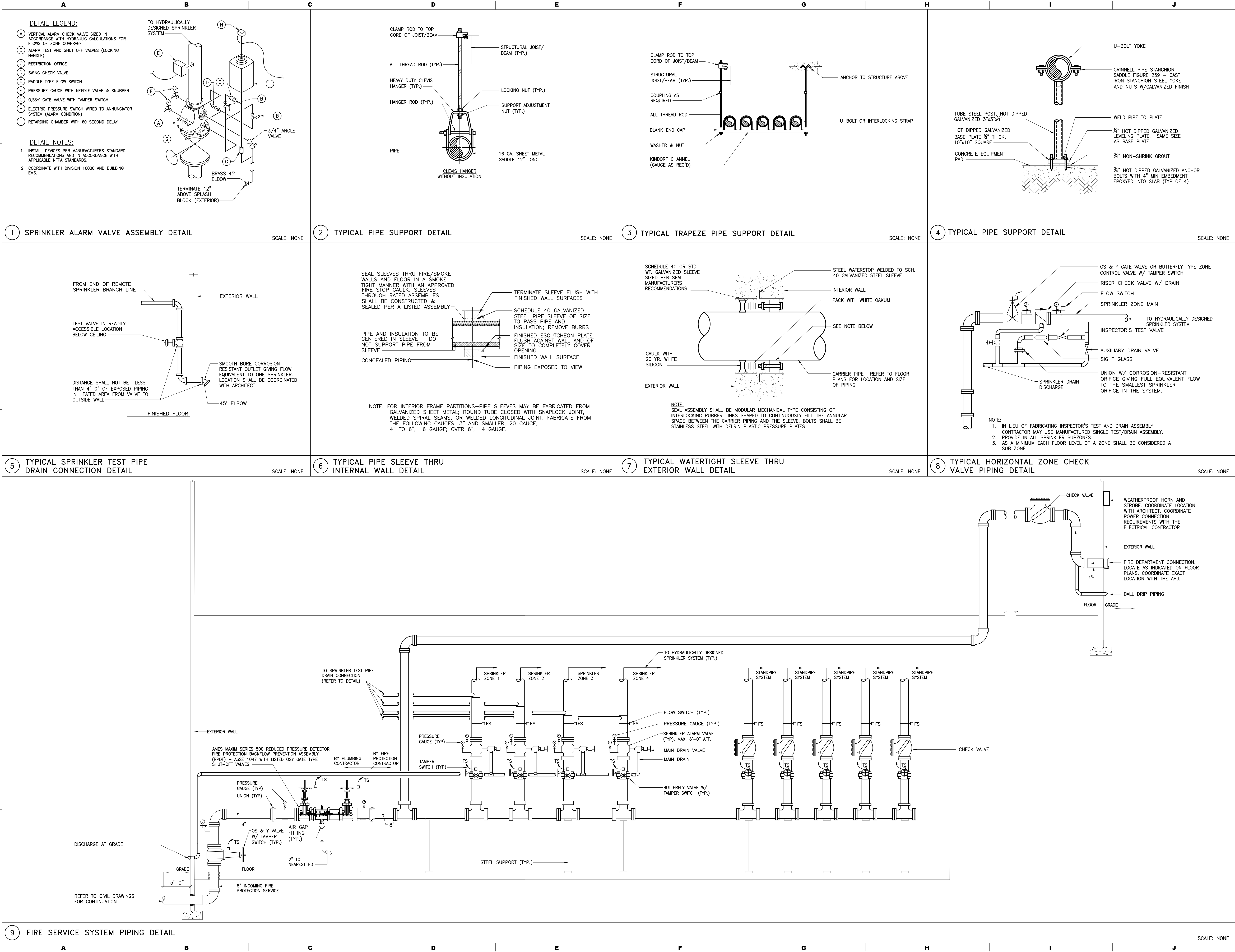
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SHEET NUMBER:

FLOOR PLAN - LEVEL 1
- FIRE PROTECTION

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DESIGNER:
MAROTTA/MAIN
ARCHITECTS
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ISSUE DATES
DATE: 03/17/2025
DESCRIPTION:
BID SET

PROJ # : 21-001U-03
DRAWN BY : ALBAN
SHEET TITLE:
FIRE PROTECTION
DETAILS

SHEET NUMBER:
FP7.1
BID SET