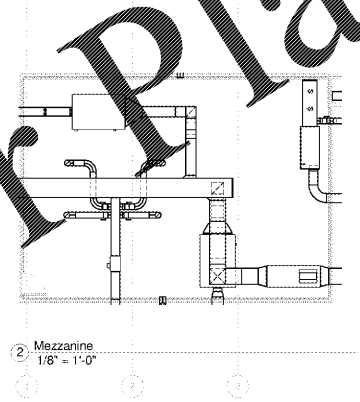


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1 Fire Protection Plan  
1/8" = 1'-0"



2 Mezzanine  
1/8" = 1'-0"

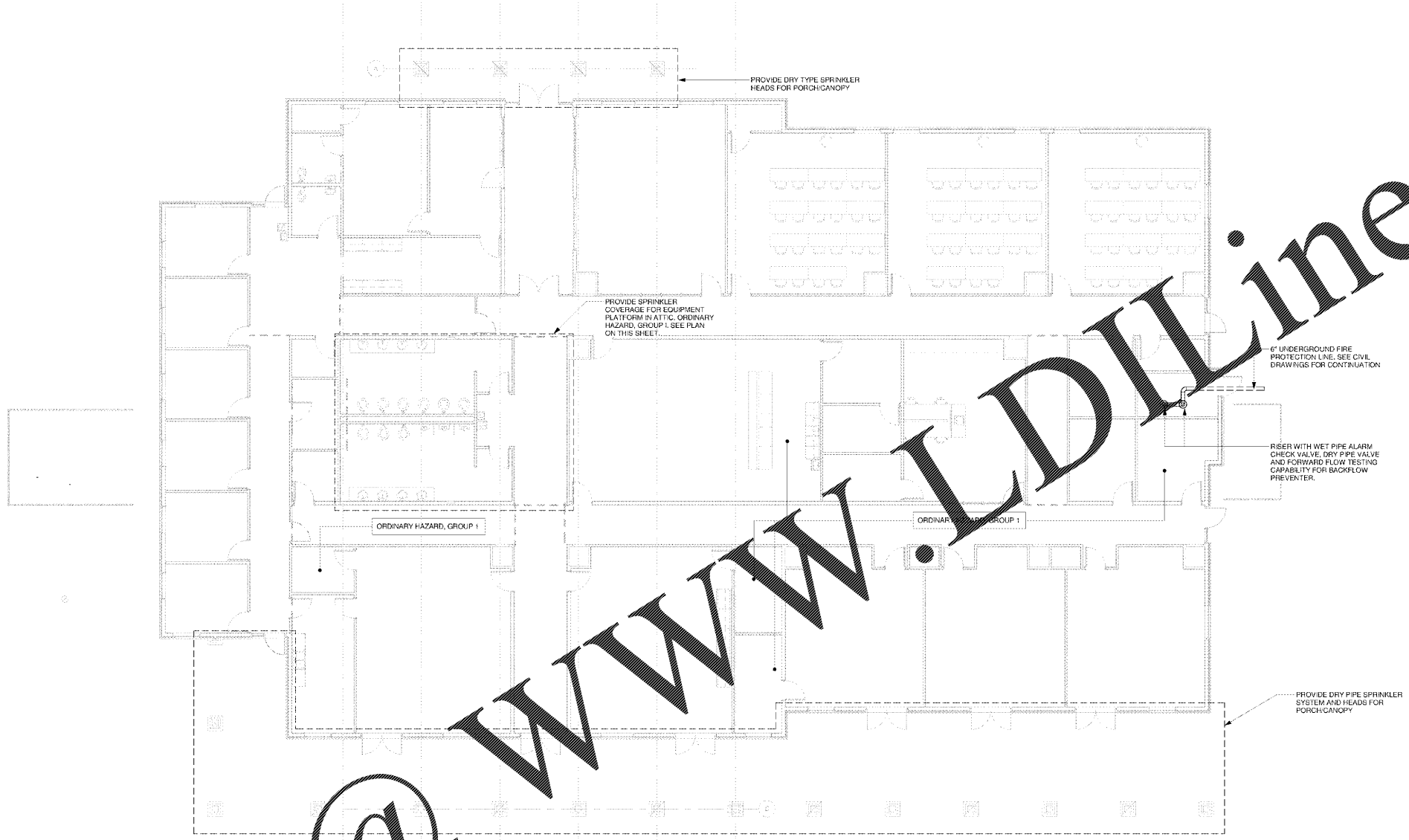
COORDINATE SPRINKLER PIPING HEAD LOCATIONS WITH MECHANICAL CONTRACTOR BASED ON ACTUAL LAYOUT OF DUCT/EQUIPMENT.

HYDRANT TEST DATA  
STATIC: 80 PSI  
RESIDUAL: 26 PSI  
FLOW: 770 GPM  
DATE OF TEST: 8/23/16

REFER TO DRAWING C3.01 FOR LOCATION OF TEST HYDRANT.

FIRE PROTECTION DESIGN CRITERIA  
1. SPRINKLER SYSTEM SHALL BE WET PIPE, AUTOMATIC TYPE.  
2. ALL AREAS NOT SPECIFICALLY NOTED OTHERWISE SHALL BE LIGHT HAZARD.  
3. SEISMIC DESIGN CATEGORY: D S<sub>a</sub> FACTOR: 0.675  
4. CONTRACTOR SHALL CALCULATE THE SPRINKLER SYSTEM UTILIZING THE INFORMATION INCLUDED HEREIN AND MEET ALL NFPA-13 (2013) STANDARDS. THE CONTRACTOR SHALL TERMINATE THE HYDRAULIC CALCULATIONS AT THE EXISTING WATER MAIN. SEE CIVIL DRAWINGS FOR LOCATION OF EXISTING WATER MAIN.  
5. SPRINKLER HEADS SHALL BE SPACED IN ACCORDANCE WITH NFPA-13 AND THE MANUFACTURER'S APPROVAL LISTING.  
6. HAZARD CLASSIFICATIONS:  
a. LIGHT HAZARD: 0.10 GPM/SF, 1500 SF REMOTE AREA, 100 GPM HOSE DEMAND  
b. ORDINARY HAZARD GROUP 1: 0.15 GPM/SF, 1500 SF REMOTE AREA, 250 GPM HOSE DEMAND

FIRE PROTECTION NOTES:  
1. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE THE DETAILED DESIGN OF THE SPRINKLER SYSTEM ACCORDING TO THE CRITERIA SHOWN ON THIS SHEET, THE FIRE SPRINKLER SPECIFICATION SHEET, AND THE SPECIFICATIONS.  
2. DESIGN AND INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH SOUTH CAROLINA LAWS, SOUTH CAROLINA STATE FIRE MARSHAL AND THE LOCAL FIRE MARSHAL. DESIGN AND INSTALLATION SHALL COMPLY WITH NFPA 13 (2013) AND NFPA 24 (2010).  
3. AREAS WITH LAY-IN, OVERBOARD OR WOOD CEILINGS SHALL HAVE PENDANT TYPE SPRINKLER HEADS, CONCEALED TYPE. COLOR OF COVER SHALL BE SELECTED BY THE ARCHITECT.  
4. SPRINKLER HEADS SHALL BE CENTERED IN ACOUSTICAL LAY-IN CEILING TILES/PANELS.  
5. DESIGN AND ROUTING OF THE PIPING AND THE LOCATION OF SPRINKLER HEADS SHALL BE COORDINATED WITH THE HVAC DUCTS & EQUIPMENT, ELECTRICAL SYSTEMS AND EQUIPMENT AND STRUCTURAL ELEMENTS.  
6. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE REFLECTED CEILING PLAN AND FOR ALL RATED WALL LOCATIONS.  
7. INSTALL FLOW SWITCH AT SPRINKLER RISER. INSTALL TAMPER SWITCHES AT RISER VALVES AND AT VALVES AT THE FIRE PROTECTION PIT.  
8. PROVIDE CAPABILITY FOR FORWARD FLOW TEST OF BACKFLOW PREVENTER AT DESIGNED SYSTEM DEMAND PER NFPA 13 10.16.2.5.  
9. PROVIDE ANY AND ALL AUXILIARY AND SECONDARY DRAINS NEEDED TO PROVIDE A COMPLETELY DRAINABLE SYSTEM.  
10. IT IS THE INTENT THAT THIS FACILITY BE FULLY SPRINKLERED. IN ADDITION TO PROVIDING SPRINKLER HEADS/PIPING AT CEILING OF ALL ROOMS/SPACES, SPRINKLER HEADS/PIPING SHALL BE PROVIDED FOR FRONT AND REAR CANOPIES/PORCHES AND AT EQUIPMENT PLATFORM IN ATTIC.



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FACILITY CONSTRUCTION  
Agency Review ID: H24-9649-CA  
116 Camp Daniels Road, Ellenton, SC

SHEET ISSUE

NO.	DATE	DESCRIPTION	BY
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BID SET 09/15/2017  
PROJECT ENGINEER: SCS  
DRAWN BY: SCS

SHEET TITLE:  
FIRE PROTECTION PLAN

SHEET NO. PROJ. NO.  
015315.00

FP1.01