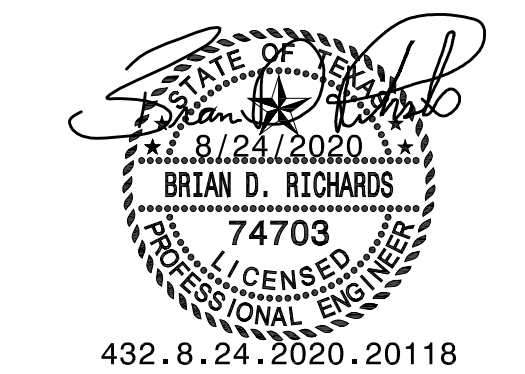


FIRE SUPPRESSION SYMBOLS AND ABBREVIATIONS

NOTE: ALL SYMBOLS AND ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS

GENERAL NOTES		ABBREVIATIONS		VALVES AND FITTINGS																																																																																																																			
<p>1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.</p> <p>2. THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, FIXTURES, EQUIPMENT, SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC FROM THE ARCHITECTURAL DRAWINGS AND FROM THE EQUIPMENT TO BE FURNISHED. PIPING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES. THE DESIGN INTENT (I.E. PITCHES, VELOCITIES, PRESSURE DROPS, VOLTAGE DROPS, ETC) CANNOT BE GREATLY ALTERED WITHOUT THE APPROVAL OF THE ARCHITECT. THE COST OF THESE DEVIATIONS TO AVOID INTERFERENCE'S SHALL BE PART OF THE ORIGINAL CONTRACT BID.</p> <p>3. EACH SUBCONTRACTOR SHALL CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS.</p> <p>4. BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTORS FAILURE TO FIELD COORDINATE.</p> <p>5. THE OWNER OR ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.</p> <p>6. THE CONTRACTOR SHALL LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE (BUT NOT LIMITED TO) VALVES, MOTORS, CONTROLLERS, SWITCHGEAR AND DRAW POINTS IF REQUIRED FOR BETTER ACCESSIBILITY. FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOWED TO PROVIDE FOR BETTER ACCESSIBILITY. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT AND CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO MAKING THE CHANGE.</p> <p>7. THE CONTRACTOR SHALL PROVIDE ACCESS DOORS, WALL OPENINGS, ROOF OPENINGS OR ANY OTHER CONSTRUCTION REQUIREMENT NEEDED TO ACCOMMODATE THE FIRE SPRINKLER EQUIPMENT. LOCATIONS OF THESE OPENINGS SHALL BE SUBMITTED IN SUFFICIENT TIME TO BE INSTALLED IN THE NORMAL COURSE OF WORK.</p> <p>8. THE CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF FIRE SPRINKLER EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL GEAR OR CONDUIT.</p> <p>9. PROVIDE VIBRATION ISOLATORS FOR MOTOR DRIVEN FIRE SPRINKLER EQUIPMENT UNLESS NOTED OTHERWISE. PROVIDE ISOLATION AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.</p> <p>10. SOME PIPES SHOWN ON EACH FLOOR PLAN MAY BE SHOWN WITH AN OFFSET FOR CLARITY.</p> <p>11. SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS WITH AN APPROVED FIRE PROOFING MATERIAL.</p>		<p>ABBREVIATIONS</p> <table border="0"> <tr> <td>A/E ARCHITECT/ENGINEER</td> <td>L LENGTH</td> </tr> <tr> <td>AFF ABOVE FINISHED FLOOR</td> <td>LB POUNDS</td> </tr> <tr> <td>AHU AIR HANDLING UNIT</td> <td>LRA LOCKED ROTOR AMPS</td> </tr> <tr> <td>APPROX APPROXIMATE</td> <td>MAX MAXIMUM</td> </tr> <tr> <td>BD BUILDING DRAIN (BELOW FLOOR)</td> <td>MCA MINIMUM CIRCUIT AMPACITY</td> </tr> <tr> <td>B.F.G. 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<p>FIRE PROTECTION NOTES</p> <p>1. MODIFY EXISTING DRY PIPE FIRE SUPPRESSION SYSTEM AS REQUIRED AND PROVIDE AND INSTALL A COMPLETE AND OPERABLE WET PIPE FIRE SUPPRESSION SYSTEM ENGINEERED AND DESIGNED CONFORMING TO NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS; NFPA 24, PRIVATE SERVICE MAINS AND THEIR APPURTENANCES; ALL APPLICABLE CITY, STATE AND NATIONAL CODES AND THE CODES AND ORDINANCES OF ALL OTHER AUTHORITIES HAVING JURISDICTION. THE SYSTEM SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE CITY FIRE DEPARTMENT.</p> <p>2. THE CONTRACTOR SHALL COORDINATE WITH THE CIVIL CONTRACTOR PRIOR TO CONSTRUCTION FOR REQUIRED CONNECTIONS POINTS AND MATERIAL CONNECTIONS. THIS INCLUDES THE VERIFICATION OF THE LOCATION OF THE TYPE FIRE DEPARTMENT CONNECTION WITH RESPECT TO CODE REQUIRED CONDITIONS (50 FEET FROM FIRE LANES AND 300 FEET FROM FIRE HYDRANTS).</p> <p>3. CONTRACTOR SHALL COORDINATE AND ATTEND A PRE-SPRINKLER SHOP DRAWING SUBMITTAL CONFERENCE BETWEEN THE ARCHITECT, CONTRACTOR AND SPRINKLER SUBCONTRACTOR DURING THE SUBMITTAL PHASE OF CONSTRUCTION. PURPOSE OF THE MEETING SHALL BE TO LOCATE ROUTING OF FIRE SPRINKLER PIPING AND SPRINKLER HEAD LOCATIONS IN THE ATRIUMS, LOBBIES AND PUBLIC SPACES (WITH EMPHASIS ON SPACES WITH EXPOSED STRUCTURE THAT ARE EXPOSED TO PUBLIC VIEW). FINAL ROUTING OF SPRINKLER PIPING AND LOCATIONS OF SPRINKLER HEADS SHALL BE COORDINATED / APPROVED BY THE ARCHITECT PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION.</p> <p>4. EXPOSED SPRINKLER PIPE ROUTED IN ATRIUMS AND LOBBY(S) WITH EXPOSED (FINISHED) STRUCTURE SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT. COLOR SAMPLES SHALL BE MADE AVAILABLE FOR THE ARCHITECT TO REVIEW AND SELECT PIPE ROUTING SHALL BE BASED UPON THE SPACE EXPOSED STRUCTURE, CENTERLINES AND AXES TO ESTABLISH A PATTERN COMPLIMENTARY TO EACH SPACE STRUCTURE.</p> <p>5. CONTRACTOR SHALL ARRANGE SPRINKLER HEADS COMPLIMENTARY TO EACH CEILING TYPE. SPRINKLER HEADS LOCATED IN LAV-IN CEILINGS SHALL BE CENTERED IN RESPECTIVE CEILING TILES (CENTERED IN THE SHORT AXES FOR 2x4 CEILING TILES).</p> <p>6. ALL SPRINKLER HEAD LOCATIONS IN ALL THE ATRIUMS, LOBBIES, CLASSROOMS, PUBLIC, ETC SHALL BE COORDINATED WITH THE STRUCTURE, LIGHT FIXTURES, HVAC ELEMENTS, PLUMBING ELEMENTS, ARCHITECTURAL CEILING TREATMENTS. LAYOUT SHALL BE COORDINATED WITH AND REVIEWED BY THE ARCHITECT.</p> <p>7. THE FIRE PROTECTION AREA DESCRIPTIONS SHOWN ON THE PLAN(S) ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY WITH THE OWNER AND THE AUTHORITY HAVING JURISDICTION ALL SPACE CLASSIFICATIONS, COMMODITY TYPES AND LOCATIONS OF OBSTACLES PRIOR TO PROVIDING DESIGN CALCULATIONS OR SPRINKLER SHOP DRAWINGS.</p> <p>8. LOCATIONS OF SYSTEM TEST AND DRAIN VALVES SHALL BE COORDINATED WITH THE OWNER BY SPECIFICALLY CALLING TO THE OWNERS ATTENTION THE LOCATIONS OF THESE SUB-SYSTEMS.</p> <p>9. THE FIRE SUPPRESSION SYSTEM SHALL CONFORM TO ALL APPLICABLE NFPA CODES IN ADDITION TO THE FOLLOWING:</p> <p>A. VELOCITIES IN MAINS SHALL NOT EXCEED 15 FEET PER SECOND.</p> <p>B. VELOCITIES IN BRANCHES AND BRANCH MAINS SHALL NOT EXCEED 20 FEET PER SECOND.</p> <p>C. HYDRAULIC CALCULATIONS SHALL SHOW THE ELEVATIONS OF INDIVIDUAL HEADS AND REFERENCE POINTS (NODES).</p> <p>D. HYDRAULIC CALCULATIONS SHALL DESCRIBE EACH INDIVIDUAL HEAD IN THE ZONE BEING CALCULATED. HYDRAULIC CALCULATIONS USING "K" FACTORS TO DESCRIBE WHOLE BRANCH LINES ARE NOT ACCEPTABLE.</p> <p>E. PROVIDE A SAFETY FACTOR OF 10 PSI OR 10 PERCENT OF SYSTEM DEMAND (WHICHEVER IS GREATER).</p> <p>F. SUBMITTALS SHALL BE COMPLETE AND INCLUDE: HYDRAULIC CALCULATIONS, SHOP DRAWINGS AND MATERIAL SUBMITTAL.</p> <p>G. SUBMITTALS SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO SUBMITTING HYDRAULIC CALCULATIONS, SHOP DRAWINGS AND MATERIALS TO THE ENGINEER FOR REVIEW.</p> <p>9. SUBMITTALS NOT CONFORMING TO THE ABOVE WILL BE REJECTED WITH NO COMMENT.</p> <p>10. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR FUTURE EXPANSIONS/ADDITIONS TO THE BUILDING. ESTIMATED COVERAGE REQUIREMENTS FOR FUTURE EXPANSIONS/ADDITIONS, FACTOR ESTIMATES IN HYDRAULIC CALCULATIONS AND PROVIDE VALVED AND CAPPED CONNECTIONS FOR FUTURE.</p> <p>11. PROVIDE STORAGE CABINET PAINTED RED SIZED TO ACCOMMODATE SIX SPRINKLER HEADS OF EACH TYPE PROVIDED ON THE PROJECT. PROVIDE A PROPERLY SIZED WRENCH(es) TO FIT SPRINKLER HEADS (TO BE LOCATED IN THE CABINET). FASTEN CABINET TO WALL ADJACENT TO FIRE SPRINKLER VALVING AT 5'-0" AFF TO CENTERLINE OF CABINET.</p>																																																																																																																							
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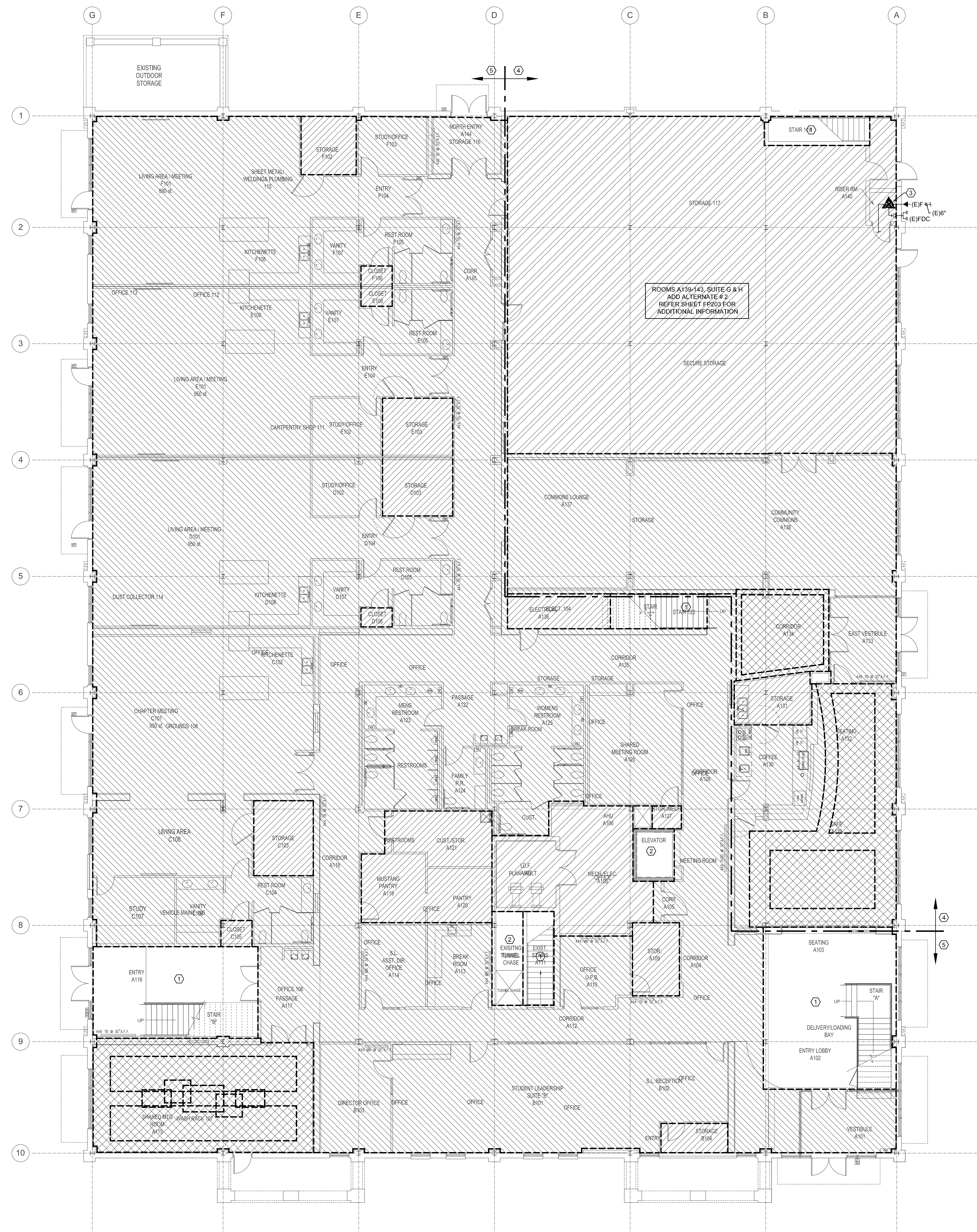
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FIRE PROTECTION PLAN NOTES

- ELEVATOR SHAFTS AND ELEVATOR MACHINE ROOMS SHALL NOT BE SPRINKLERED AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION AND SHALL NOT COMPROMISE THE RATING OF THE BUILDING AS BEING CONSIDERED FULLY SPRINKLERED.
- HATCH PATTERNS INDICATED ON THE FLOOR PLAN COINCIDE TO THE OCCUPANCY TYPES INDICATED ADJACENT TO SPRINKLER TYPES. CONTRACTOR SHALL VERIFY EXTENTS OF EACH OCCUPANCY TYPE PRIOR TO DEVELOPING SPRINKLER SHOP DRAWINGS AND CALCULATIONS.

NOTES BY SYMBOL "v"

- OPEN TO ABOVE. REFER SHEET FP202 FOR FIRE SUPPRESSION THIS AREA.
- NO FIRE SUPPRESSION THIS AREA.
- REMOVE EXISTING DRY PIPE FIRE SUPPRESSION ALARM VALVE AND ASSOCIATED DEVICES COMPLETE. REWORK EXISTING FIRE SUPPRESSION PIPING AS REQUIRED TO PROVIDE AND INSTALL NEW WET PIPE FIRE SUPPRESSION ALARM VALVE.
- MODIFY EXISTING DRY PIPE FIRE SUPPRESSION SYSTEM AS REQUIRED TO PROVIDE AND INSTALL FULLY FUNCTIONAL OPERABLE WET PIPE FIRE SUPPRESSION SYSTEM THIS AREA. INCLUDING BUT NOT LIMITED TO REPLACEMENT OF SPRINKLER HEADS AND DEMOLITION & REROUTING OF EXISTING FIRE SUPPRESSION PIPING.
- PROVIDE AND INSTALL NEW FULLY OPERABLE WET PIPING FIRE SUPPRESSION SYSTEM THIS AREA.

OCCUPANCY TYPE LEGEND

<p>ORDINARY HAZARD GROUP 1 OCCUPANCY WET PIPE UPRIGHT SPRINKLER QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.15 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 130 SQ.FT. 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, BRASS FINISH HEAD (TYCO MODEL TY3131 OR EQUAL).</p>	
<p>LIGHT HAZARD OCCUPANCY WET PIPE RECESSED PENDENT QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ.FT. 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, WHITE ESCUTCHEON AND WHITE HEAD (TYCO MODEL TY3231 OR EQUAL).</p>	
<p>ORDINARY HAZARD GROUP 1 OCCUPANCY WET PIPE RECESSED PENDENT QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.15 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS DESIGN AREA CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 130 SQ.FT. 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, WHITE ESCUTCHEON AND WHITE HEAD (TYCO MODEL TY3231 OR EQUAL).</p>	
<p>ABOVE SUSPENDED CEILING/CLOUD: LIGHT HAZARD OCCUPANCY WET PIPE UPRIGHT SPRINKLER QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ.FT. 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, BRASS FINISH HEAD (TYCO MODEL TY3131 OR EQUAL).</p>	
<p>IN SUSPENDED CEILING/CLOUD: LIGHT HAZARD OCCUPANCY WET PIPE RECESSED PENDENT QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ.FT. 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, WHITE ESCUTCHEON AND WHITE HEAD (TYCO MODEL TY3231 OR EQUAL).</p>	

1 FIRST FLOOR FIRE SUPPRESSION PLAN
SCALE: 1/8"=1'-0"
0 4 8 16

APPR. DESCRIPTION. REV. DATE.

DANIEL BUILDING RENOVATION
 J.S. BRIDWELL ACTIVITIES CENTER &
 CANNEDY GREEK COMMONS

MSU TEXAS
 MIDWESTERN STATE UNIVERSITY

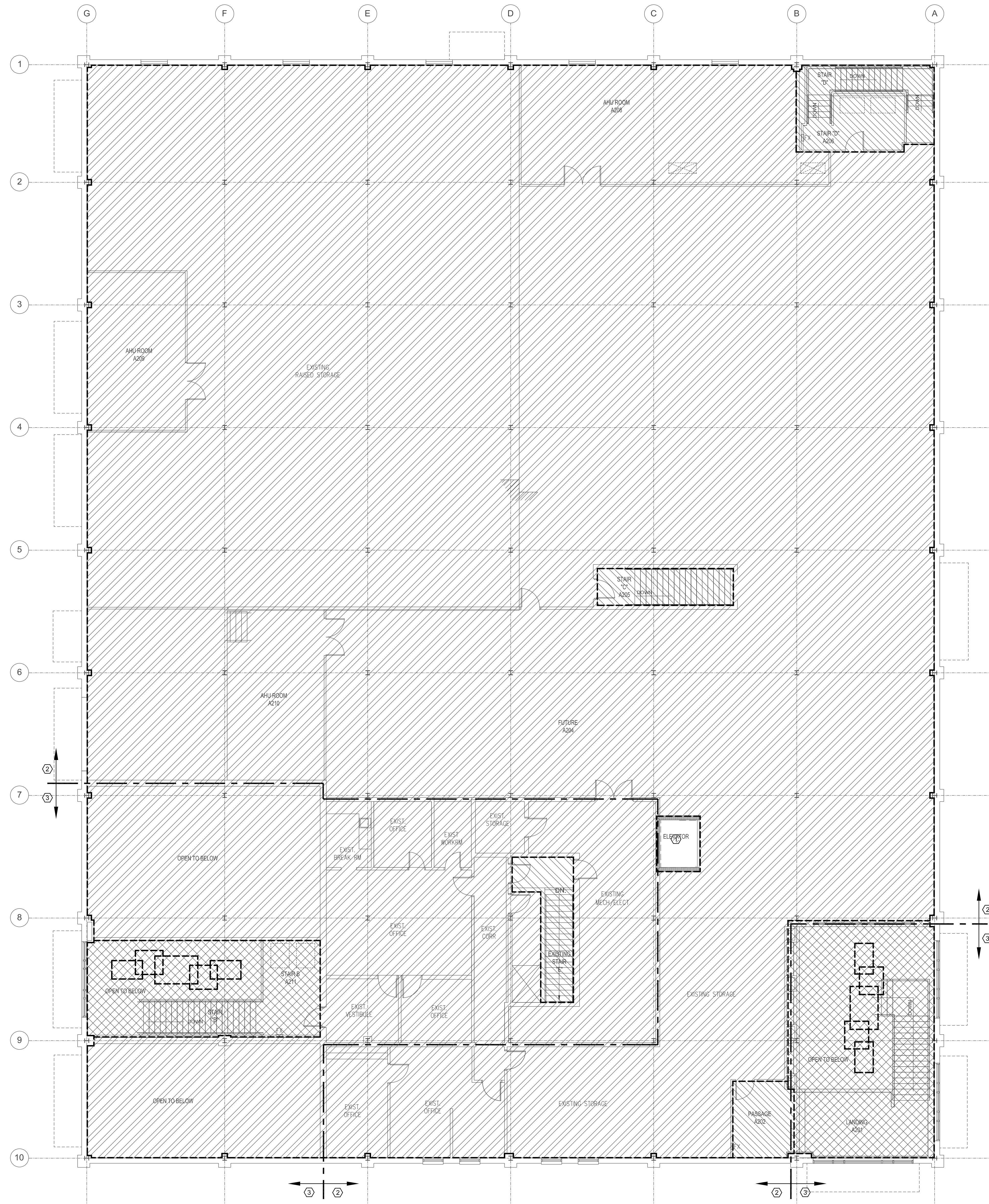
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DRAWN BY: HACKBUSCH, J.
 CHECKED BY: BDR
 DATE: 08/24/2020
 PROJECT NO.: 18071
 FIRST FLOOR FIRE SUPPRESSION PLAN
FP201

432.8.24.2020.20118

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 SHEET SIZE = ARCH T1 30X32



1 SECOND FLOOR FIRE SUPPRESSION PLAN
 SCALE: 1/8"=1'-0"
 0 4 8 16







FIRE PROTECTION PLAN NOTES

- ELEVATOR SHAFTS AND ELEVATOR MACHINE ROOMS SHALL NOT BE SPRINKLERED AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION AND SHALL NOT COMPROMISE THE RATING OF THE BUILDING AS BEING CONSIDERED FULLY SPRINKLERED.
- HATCH PATTERNS INDICATED ON THE FLOOR PLAN COINCIDE TO THE OCCUPANCY TYPES INDICATED ADJACENT TO SPRINKLER TYPES. CONTRACTOR SHALL VERIFY EXTENTS OF EACH OCCUPANCY TYPE PRIOR TO DEVELOPING SPRINKLER SHOP DRAWINGS AND CALCULATIONS.

NOTES BY SYMBOL "D"

- NO FIRE SUPPRESSION THIS AREA.
- MODIFY EXISTING DRY PIPE FIRE SUPPRESSION SYSTEM AS REQUIRED TO PROVIDE AND INSTALL FULLY FUNCTIONAL OPERABLE WET PIPE FIRE SUPPRESSION SYSTEM THIS AREA, INCLUDING BUT NOT LIMITED TO REPLACEMENT OF SPRINKLER HEADS AND DEMOLITION & REROUTING OF EXISTING FIRE SUPPRESSION PIPING.
- PROVIDE AND INSTALL NEW FULLY OPERABLE WET PIPING FIRE SUPPRESSION SYSTEM THIS AREA.

OCCUPANCY TYPE LEGEND

<p>LIGHT HAZARD OCCUPANCY WET PIPE UPRIGHT SPRINKLER QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE), PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ.FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, BRASS FINISH HEAD (TYCO MODEL TY3131 OR EQUAL).</p> 	<p>ORDINARY HAZARD GROUP 1 OCCUPANCY WET PIPE UPRIGHT SPRINKLER QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.15 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE), PROTECTION AREA PER HEAD SHALL NOT EXCEED 130 SQ.FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, BRASS FINISH HEAD (TYCO MODEL TY3131 OR EQUAL).</p> 
<p>LIGHT HAZARD OCCUPANCY WET PIPE RECESSED PENDENT QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE), PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ.FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, WHITE ESCUTCHEON AND WHITE HEAD (TYCO MODEL TY3231 OR EQUAL).</p> 	<p>ABOVE SUSPENDED CEILING/CLOUD: LIGHT HAZARD OCCUPANCY WET PIPE UPRIGHT SPRINKLER QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE), PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ.FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, BRASS FINISH HEAD (TYCO MODEL TY3131 OR EQUAL).</p> 
<p>IN SUSPENDED CEILING/CLOUD: LIGHT HAZARD OCCUPANCY WET PIPE RECESSED PENDENT QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE), PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ.FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, WHITE ESCUTCHEON AND WHITE HEAD (TYCO MODEL TY3231 OR EQUAL).</p> 	<p>IN SUSPENDED CEILING/CLOUD: LIGHT HAZARD OCCUPANCY WET PIPE UPRIGHT SPRINKLER QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ.FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE), PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ.FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, BRASS FINISH HEAD (TYCO MODEL TY3131 OR EQUAL).</p> 



432.8.24.2020.20118
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APPR. _____
 REV. DATE _____ DESCRIPTION _____

DANIEL BUILDING RENOVATION
 J.S. BRIDWELL ACTIVITIES CENTER &
 CANNEDY GREEK COMMONS

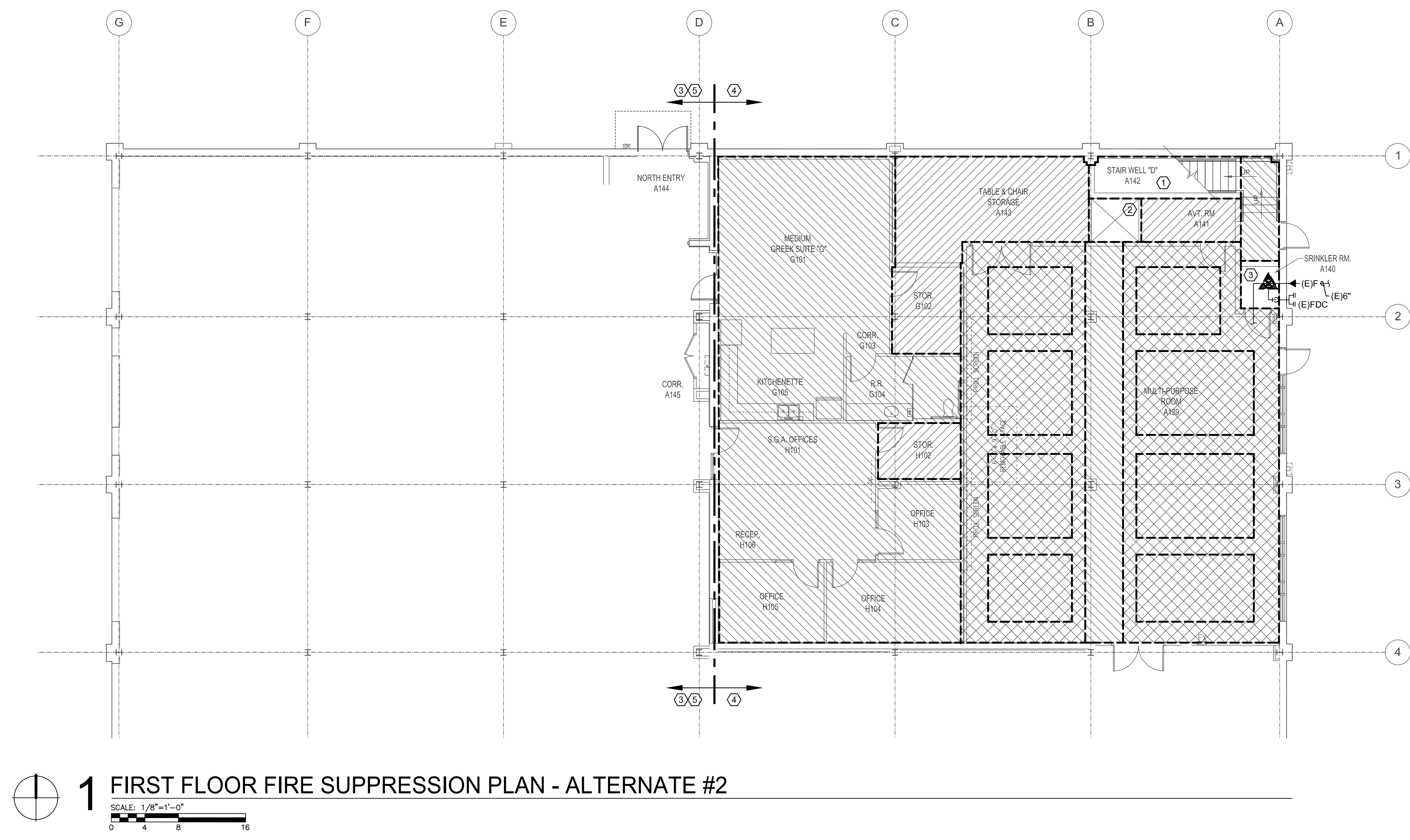
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DRAWN BY: HACKBUSCH, J.
 CHECKED BY: BDR
 DATE: 08/24/2020
 PROJECT NO.: 18071

SECOND FLOOR FIRE SUPPRESSION PLAN
FP202

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1 FIRST FLOOR FIRE SUPPRESSION PLAN - ALTERNATE #2
 SCALE: 1/8"=1'-0"
 0 4 8 16

- ### FIRE PROTECTION PLAN NOTES
- ELEVATOR SHAFTS AND ELEVATOR MACHINE ROOMS SHALL NOT BE SPRINKLERED AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION AND SHALL NOT COMPROMISE THE RATING OF THE BUILDING AS BEING CONSIDERED FULLY SPRINKLERED.
 - HATCH PATTERNS INDICATED ON THE FLOOR PLAN COINCIDE TO THE OCCUPANCY TYPES INDICATED ADJACENT TO SPRINKLER TYPES. CONTRACTOR SHALL VERIFY EXTENTS OF EACH OCCUPANCY TYPE PRIOR TO DEVELOPING SPRINKLER SHOP DRAWINGS AND CALCULATIONS.

- ### NOTES BY SYMBOL "u"
- OPEN TO ABOVE. REFER SHEET FP202 FOR FIRE SUPPRESSION THIS AREA.
 - NO FIRE SUPPRESSION THIS AREA.
 - BASE BID. REFER SHEET FP201 FOR ADDITIONAL INFORMATION.
 - MODIFY EXISTING DRY PIPE FIRE SUPPRESSION SYSTEM AS REQUIRED TO PROVIDE AND INSTALL FULLY FUNCTIONAL OPERABLE WET PIPE FIRE SUPPRESSION SYSTEM THIS AREA, INCLUDING BUT NOT LIMITED TO REPLACEMENT OF SPRINKLER HEADS AND DEMOLITION & REROUTING OF EXISTING FIRE SUPPRESSION PIPING.
 - PROVIDE AND INSTALL NEW FULLY OPERABLE WET PIPING FIRE SUPPRESSION SYSTEM THIS AREA.

OCCUPANCY TYPE LEGEND

<p>ABOVE SUSPENDED CEILING/CLOUD: LIGHT HAZARD OCCUPANCY WET PIPE RECESSED PENDENT QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ. FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ. FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, WHITE ESCUTCHEON AND WHITE HEAD (TYCO MODEL TY3231 OR EQUAL).</p> 	<p>ORDINARY HAZARD GROUP 1 OCCUPANCY: WET PIPE RECESSED PENDENT QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.15 GPM/SQ. FT. FOR 1500 SQ. FT. SPRINKLER OPERATION AREA (LESS DESIGN AREA CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 130 SQ. FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, WHITE ESCUTCHEON AND WHITE HEAD (TYCO MODEL TY3231 OR EQUAL).</p> 
<p>IN SUSPENDED CEILING/CLOUD: LIGHT HAZARD OCCUPANCY WET PIPE UPRIGHT SPRINKLER QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ. FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ. FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, BRASS FINISH HEAD (TYCO MODEL TY3131 OR EQUAL).</p> 	<p>IN SUSPENDED CEILING/CLOUD: LIGHT HAZARD OCCUPANCY WET PIPE RECESSED PENDENT QUICK RESPONSE, STANDARD COVERAGE DESIGN DENSITY/AREA METHOD, SPRINKLER DENSITY 0.10 GPM/SQ. FT. FOR 1500 SQ. FT. SPRINKLER OPERATION AREA (LESS CEILING HEIGHT CORRECTION FACTORS FOR QUICK RESPONSE). PROTECTION AREA PER HEAD SHALL NOT EXCEED 225 SQ. FT., 5.6K, 1/2" NPT, 155°F TEMPERATURE HEAD, WHITE ESCUTCHEON AND WHITE HEAD (TYCO MODEL TY3231 OR EQUAL).</p> 



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DESCRIPTION	

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 MIDWESTERN STATE UNIVERSITY

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DRAWN BY: HACKBUSCH, J
 CHECKED BY: BDR
 DATE: 08/24/2020
 PROJECT NO.: 18071

FIRST FLOOR FIRE SUPPRESSION PLAN ALTERNATE #2
FP203

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