

CORNELL UNIVERSITY BARNES HALL FIRST FLOOR SPRINKLER INSTALL

129 HO PLAZA
ITHACA, NY 14853



DRAWING LIST

GENERAL	G001	COVER SHEET
ARCHITECTURAL		
AD111		FIRST FLOOR REFLECTED CEILING PLAN - EXISTING
A100		OVERALL PLAN / KEY PLAN
A111		FIRST FLOOR REFLECTED CEILING PLAN - PROPOSED
A112		ENLARGED CEILING PLAN - ROOM 100
A113		ENLARGED CEILING PLAN - ROOM 103E
MECHANICAL	SM101	FIRST FLOOR DUCTWORK PLAN
FIRE PROTECTION		
F001		FIRE PROTECTION LEGEND SHEET
FD101		FIRST FLOOR FIRE PROTECTION PLAN- DEMOLITION
F101		FIRST FLOOR ABOVE AND BELOW CEILING FIRE PROTECTION PLAN
F501		FIRE PROTECTION DETAILS
ELECTRICAL	E201	FIRST FLOOR LIGHTING PLAN



Expiration: September 2026

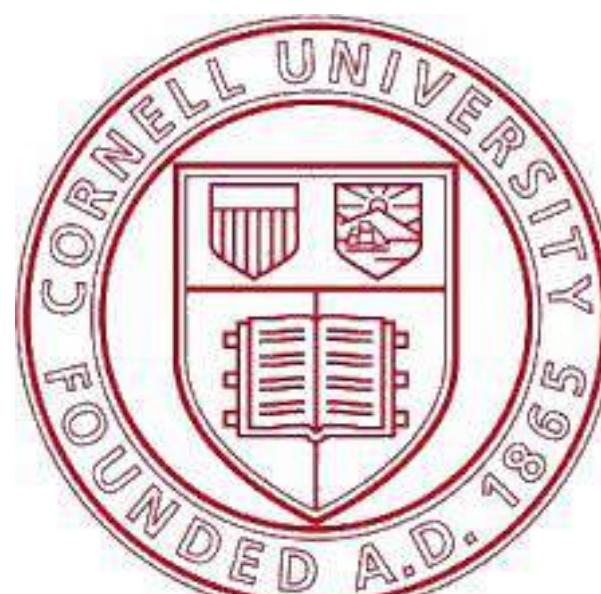
 CERTIFICATE OF AUTHORIZATION NUMBER:
 PROFESSIONAL ENGINEERING: 0021272
 LAND SURVEYING: 0021271
 GEOLOGICAL: 0021659

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item has the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor must affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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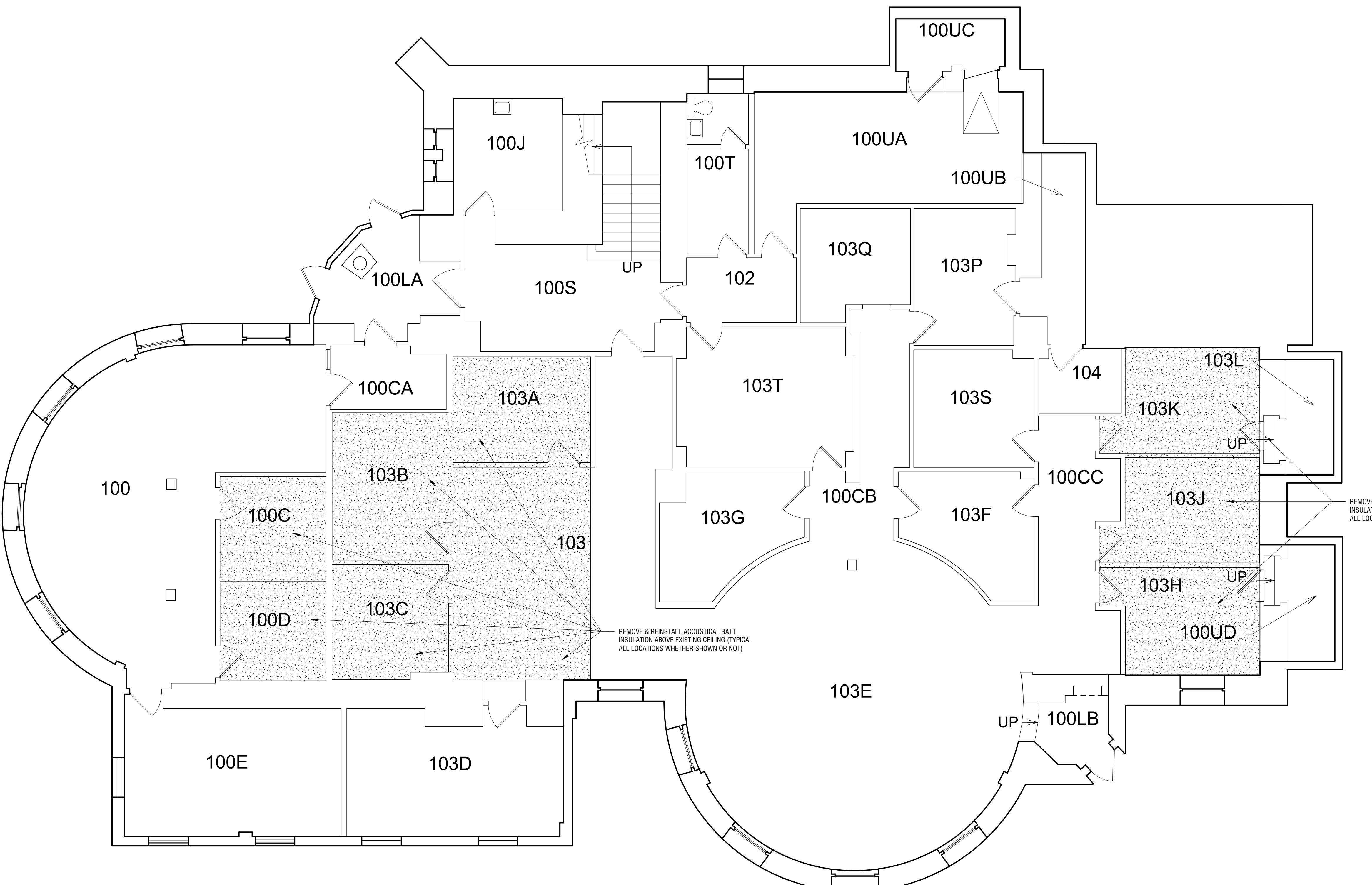

**BARNES HALL FIRST FLOOR
SPRINKLER INSTALL**

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 ITHACA, NY 14853

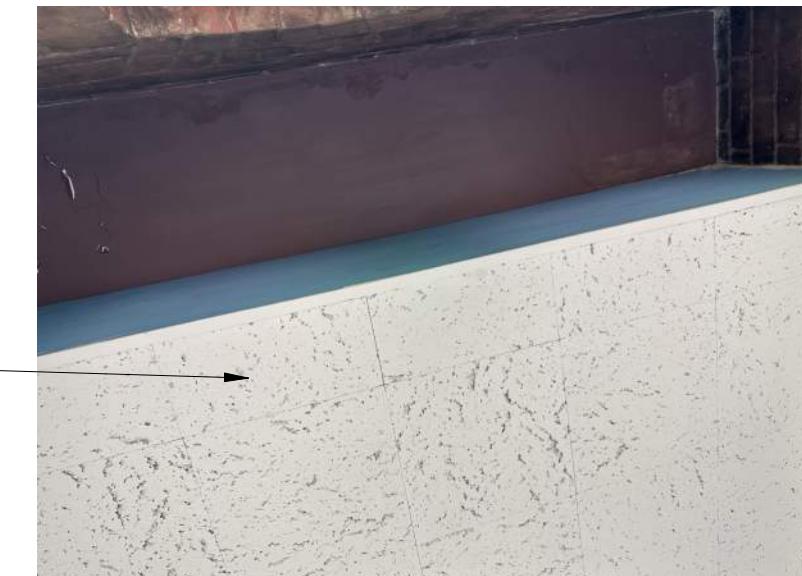
NO:	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER:	2242165	
DRAWN BY:	JPB	
REVIEWED BY:	SAD	
ISSUED FOR:	CONSTRUCTION	
DATE:	12/05/25	
DRAWING NAME:		

OVERALL PLAN / KEY PLAN

DRAWING NUMBER:


 1
 A100
OVERALL PLAN / KEY PLAN
 SCALE: 3/16" = 1'-0"
 0' 2' 4' 8' 12'

A100



INSTALLATION NOTES:

- ACT-1: PROVIDE 2x2 SUSPENDED CEILING SYSTEM AS INDICATED:
 - BASIS-OF-DESIGN; ARMSTRONG
 - 15/16" PRELUDE SUSPENSION GRID
 - OPTIMA SQUARE EDGE PANELS
- TYPICAL EXISTING CEILING HEIGHTS ARE 7' - 10" +/- NEW CEILING HEIGHTS TO MATCH EXISTING TO GREATEST EXTENT POSSIBLE. IF HEIGHT CANNOT BE MATCHED, REVIEW PROPOSED HEIGHT ON A CASE-BY-CASE BASIS w/ UNIVERSITY ARCHITECT PRIOR TO INSTALLATION
- AT EXISTING 'HARD' CEILING REMOVALS BEING REPLACED WITH SUSPENDED CEILING SYSTEMS, PATCH & PAINT TOP OF WALL IN PREPARATION FOR SUSPENDED CEILING EDGE ANGLE INSTALLATION
- THE GENERAL CONTRACTOR IS TO INSTALL A 16" x 16" LOCKABLE STEEL ACCESS DOOR IN GWB / PLASTER CEILINGS, ADJACENT TO EACH 'ABOVE CEILING' SPRINKLER HEAD, WITHIN 12" TO ALLOW FOR SERVICE OF THE HEAD. THE ACCESS DOOR LOCATIONS NOTED ON THE FIRE PROTECTION DRAWINGS AND THE GENERAL CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. THE FINAL QUANTITY / LOCATION IS TO BE COORDINATED WITH THE APPROVED FIRE PROTECTION CONTRACTORS SHOP DRAWING
- AT ROOMS 100, 103E AND 100S STAIRWAY, PROVIDE NEW CONTINUOUS 1/2" LIGHTWEIGHT GWB FINISH OVER EXISTING SUSPENDED FRAMING AND PORTIONS OF GWB / PLASTER TO REMAIN. TAPE, FINISH & PAINT TO MATCH EXISTING
- AT ROOM 103T, REMOVE AND REINSTALL EXISTING METAL SLAT CEILING SYSTEM AS REQUIRED FOR SPRINKLER WORK ABOVE
- ALTERNATE 1:
AT ROOMS 100E & 103Q, PATCH & PAINT EXISTING CEILING AS REQUIRED FOR LIGHTING UPGRADES
- ALTERNATE 2:
AT ROOM 103D, REPLACE EXISTING SUSPENDED CEILING SYSTEM w/ NEW 2x2 SUSPENDED CEILING SYSTEM



100 West Water Street, Suite 101
Elmira, NY 14901
607-734-8492
labellapc.com



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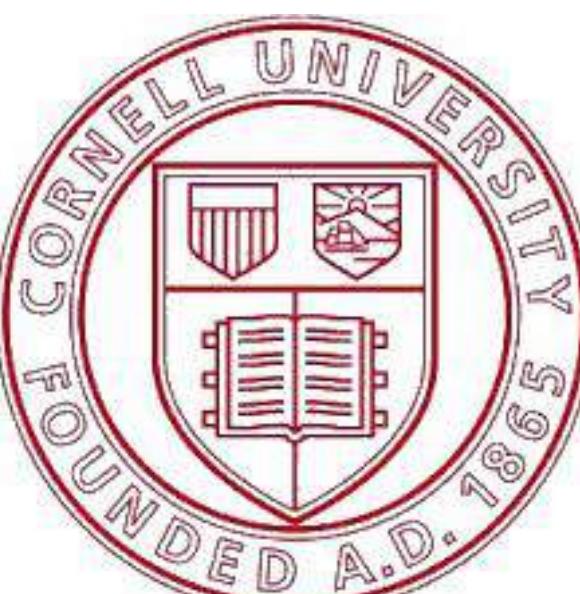
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ISSUED FOR: CONSTRUCTION <hr/>		
DATE: 12/05/25 <hr/>		

FIRST FLOOR REFLECTED CEILING PLAN - PROPOSED

DRAWING NUMBER

1
11 FIRST FLOOR REFLECTED CEILING PLAN - PROPOSED
SCALE: 3/16" = 1'-0" 

12/12/2025 6:42:35 AM



Expiration: September 2026

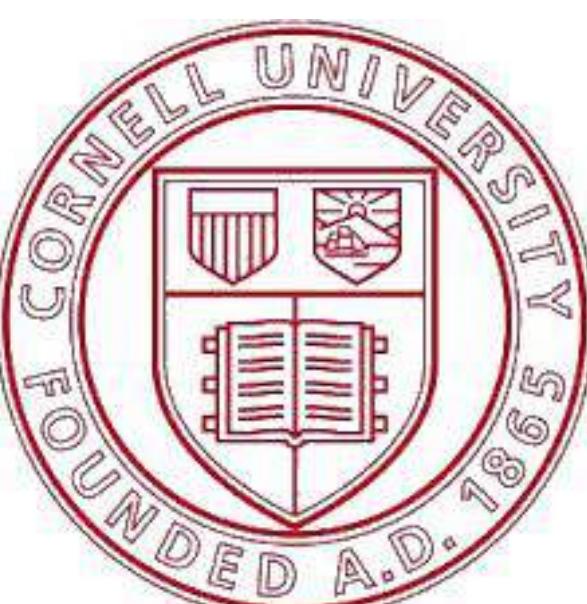
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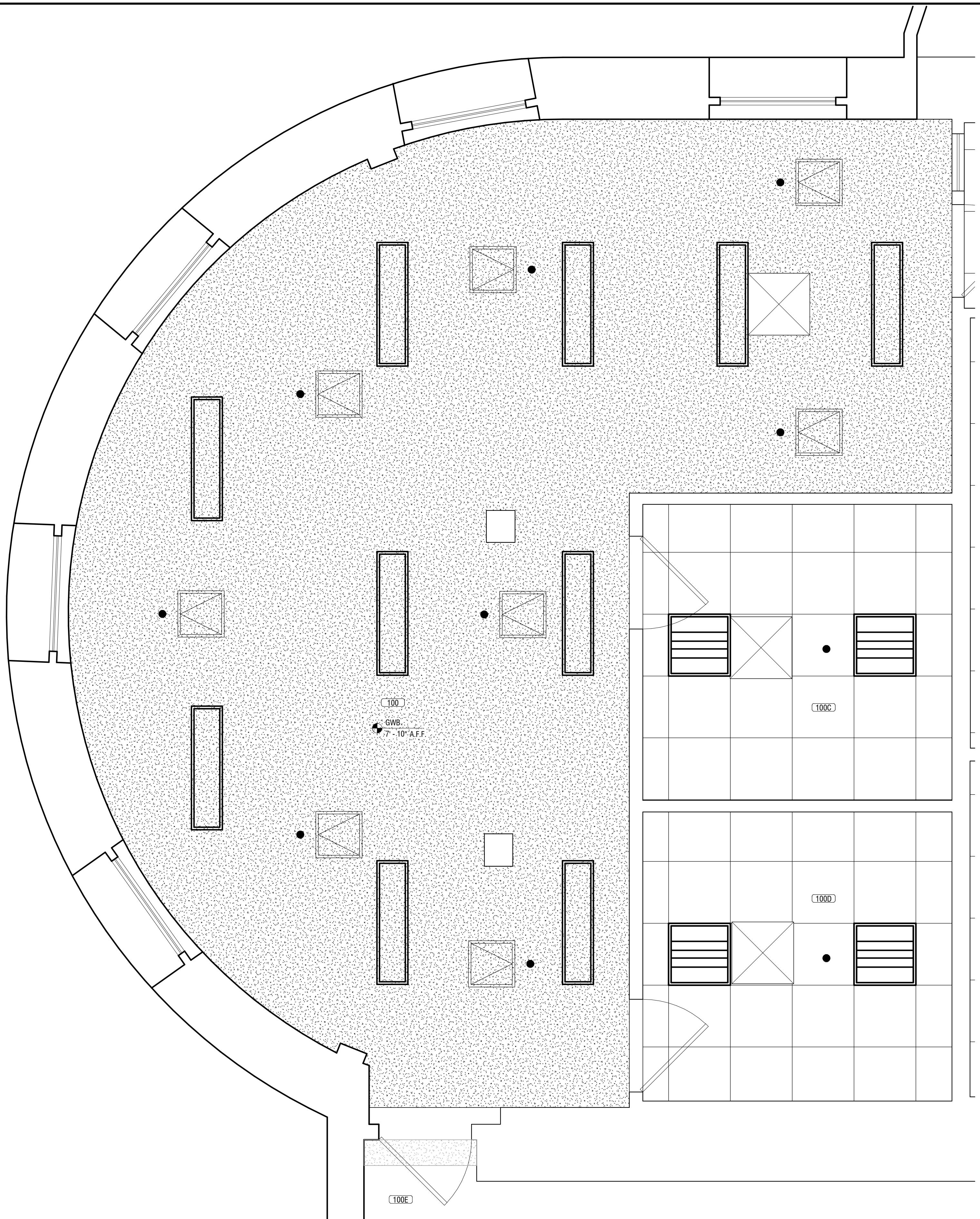
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DRAWING NAME:		

**ENLARGED CEILING PLAN -
ROOM 100**

DRAWING NUMBER:


 1
 A112
 ENLARGED CEILING PLAN - ROOM 100
 SCALE: 1/2" = 1'-0"


A112



Expiration: September 2026

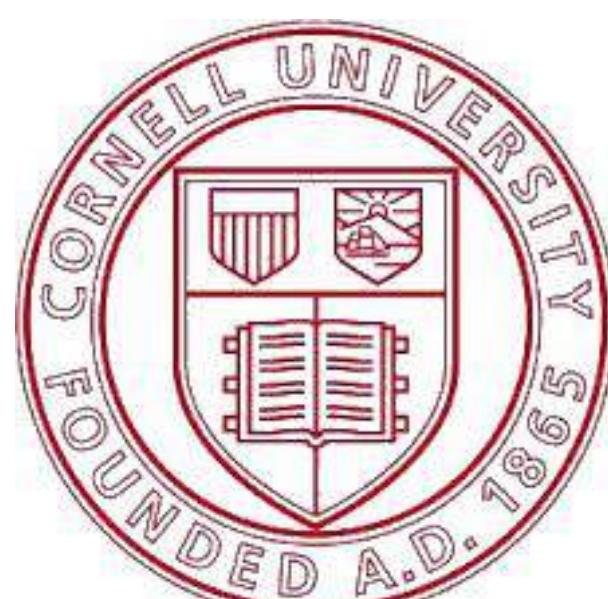
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LAND SURVEYING: 0021271
GEOLOGICAL: 0021659

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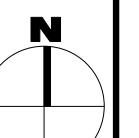
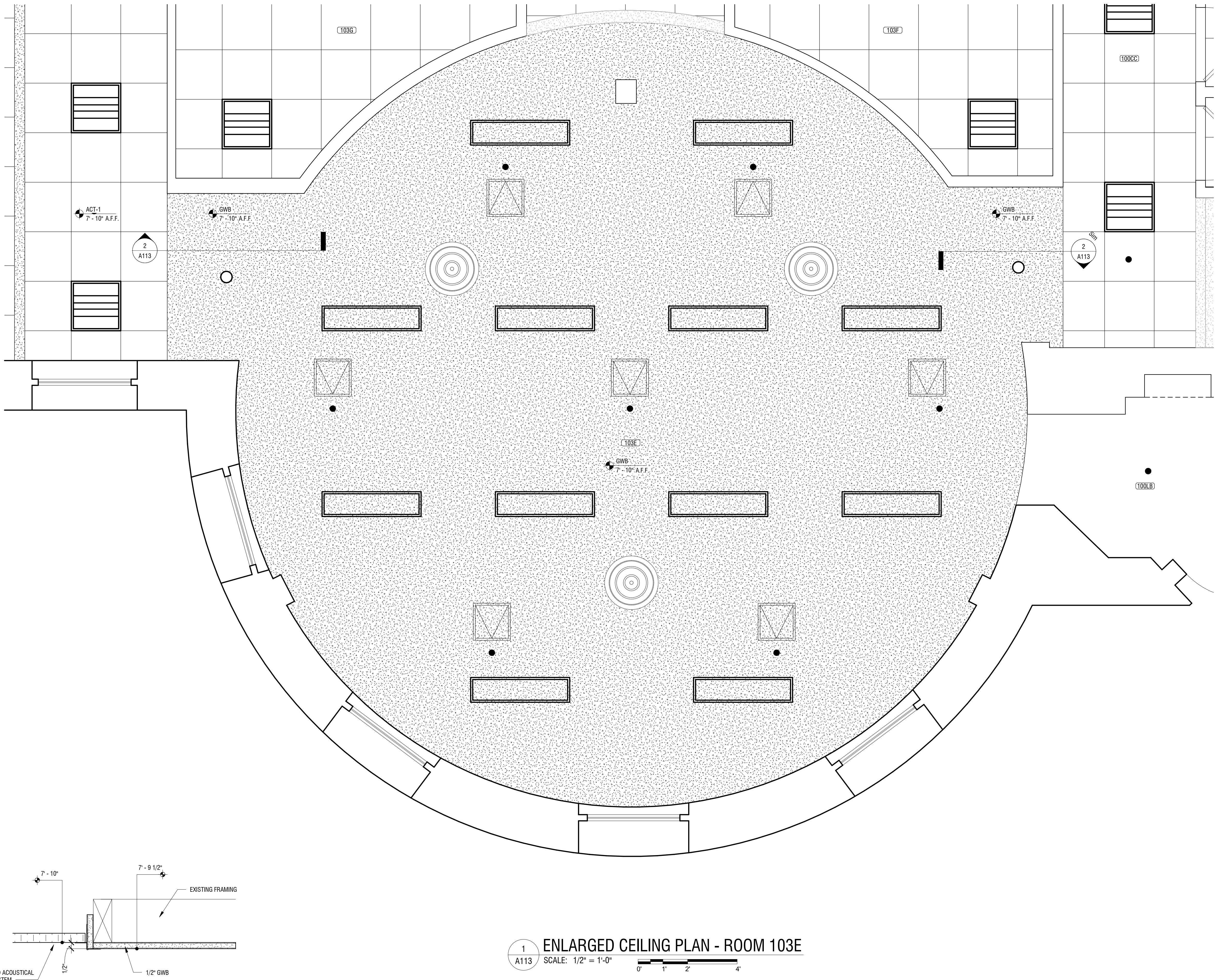

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ISSUED FOR: CONSTRUCTION		
DATE: 12/05/25		
DRAWING NAME:		

**ENLARGED CEILING PLAN -
ROOM 103E**

DRAWING NUMBER:

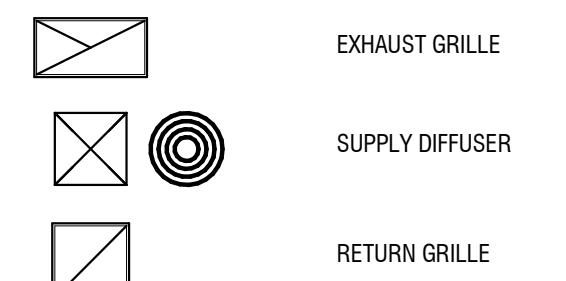

A113



Expiration: September 2026

HVAC SYSTEM NOTES

- PRIOR TO DEMOLITION, THE MECHANICAL CONTRACTOR IS TO PERFORM A SYSTEM TEST AND DOCUMENT AIR FLOW FOR ALL DIFFUSERS AND GRILLES ON THE FIRST FLOOR.
- REMOVE EXISTING DIFFUSERS FROM CEILING. INSTALL DIFFUSERS IN NEW CEILING.
- DIFFUSERS ARE GENERALLY CONNECTED USING FLEXDUCT, REPLACE FLEX CONNECTION AND SEAL CONNECTIONS TO SHEET METAL DUCTS.
- WHERE DIFFUSERS ARE CONNECTED USING RIGID DUCT, REMOVE DUCT AND INSTALL FLEX DUCT TO NEW DIFFUSER LOCATION. LIMIT FLEX DUCT TO 3'-0" MAXIMUM LENGTH.
- CONDUCT AIR FLOW TESTS ON SYSTEM AND BALANCE TO ORIGINAL AIR FLOW RATE.
- SUBMIT BALANCE REPORT TO ENGINEER AND OWNER.
- PROVIDE NEW DIFFUSERS ANYWHERE EXISTING CEILINGS HAVE CHANGED.

KEY

FIRST FLOOR DUCTWORK PLAN

 1
 SM101

1

1/8" = 1'-0"

0' 4' 8' 16'

 NO: _____ DATE: _____ DESCRIPTION: _____
 Revisions

PROJECT NUMBER: 2242165

DRAWN BY: SIK

REVIEWED BY: SAD

ISSUED FOR: CONSTRUCTION

DATE: 12/05/25

DRAWING NAME:

DRAWING NUMBER:

SM101
**FIRST FLOOR DUCTWORK
PLAN**

N

SM101

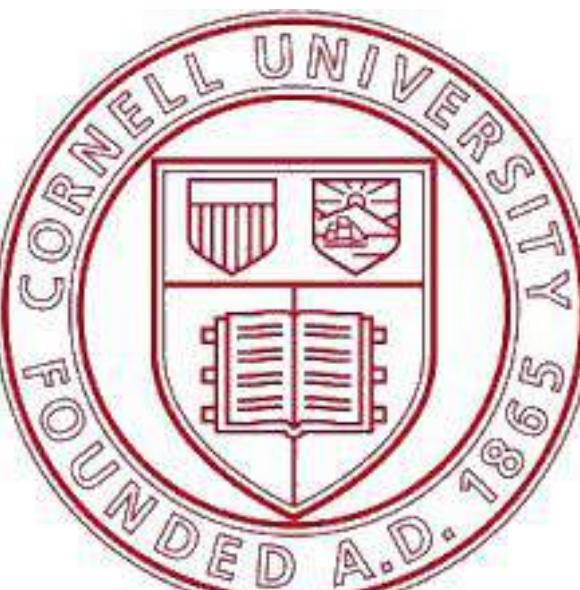
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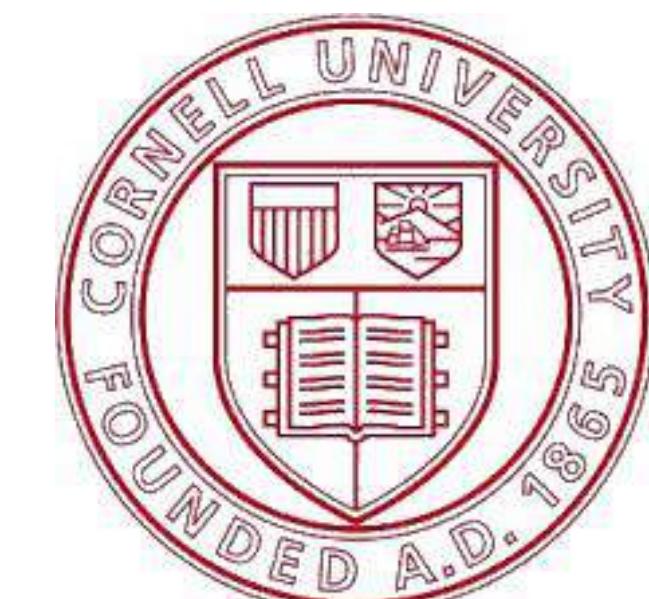
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**FIRE PROTECTION LEGEND
SHEET**

DRAWING NUMBER:

F001
GENERAL NOTES

- BY EXECUTING THE CONSTRUCTION AGREEMENT, THE CONTRACTOR REPRESENTS THAT THEY HAVE VISITED THE SITE, FAMILIARIZED THEMSELVES WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, CORRELATED THEIR CONVERSATIONS WITH ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND IS AWARE OF THE OWNERS INTENDED USE OF THE PROJECT AREA. ANY AREAS WHERE ADDITIONAL INFORMATION ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER, IN WRITING.
- THE CONTRACTOR SHALL INSTALL WORK SUBSTANTIALLY AS INDICATED ON THE DRAWINGS. VERIFY EXACT LOCATION AND ELEVATIONS AT THE SITE. DO NOT SCALE THE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BEFORE START OF WORK.
- THE CONTRACTOR IS TO PROTECT FURNISHINGS, EQUIPMENT, ETC. AND PROPERLY STORE MATERIAL REQUIRED UNTIL COMPLETION OF THE PROJECT.
- CONTRACTOR TO VERIFY ALL MEASUREMENTS BEFORE ORDERING MATERIALS OR DOING ANY WORK. NO EXTRA COMPENSATION OR CHANGE ORDERS WILL BE ISSUED DUE TO DIFFERENCES BETWEEN ACTUAL MEASUREMENT AND DIMENSIONS ON THE DRAWINGS. CONTRACTOR SHALL LAY OUT ALL EQUIPMENT PRIOR TO FABRICATION OR INSTALLATION TO ENSURE PROPER FIT AND AVOIDANCE OF OBSTRUCTIONS. AND SHALL THOROUGHLY COORDINATE WORK WITH ALL TRADES AND DETERMINE EXACT ROUTE AND LOCATION OF EACH ELEMENT AND PIECE OF EQUIPMENT BEFORE FABRICATION AND INSTALLATION.
- SYSTEM PIPING IS PARTIALLY VERIFIED, CONTRACTOR TO FIELD VERIFY ALL PIPING ON 1ST FLOOR TO DEVELOP SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.
- CONTRACTOR IS TO BE RESPONSIBLE FOR KEEPING THE GENERAL WORK AREA CLEAN AND FREE FROM DIRT AND CONSTRUCTION MATERIALS, AND CLEANING THE AREA THE END OF EACH DAY. ANY AND ALL DAMAGE TO THE EXISTING WALLS, CEILINGS, FLOOR, ETC. THAT OCCURS DURING THE WORK, SHALL BE REPAIRED AND PATCHED AT THE CONTRACTOR'S EXPENSE. IF THE SPECIFIC METHOD OF REPAIR IS IN QUESTION, THE CONTRACTOR IS TO CONFER WITH THE OWNER'S REPRESENTATIVE BEFORE COMMENCING THE REPAIR.
- THE CONTRACTOR SHALL MAINTAIN ON THE SITE FOR THE OWNER A COMPLETE SET OF CONTRACT DOCUMENTS AND ALL COPIES OF APPROVED SHOP DRAWINGS, CHANGE ORDERS, FIELD ORDERS, AND BULLETINS PROGRESSIVELY FILED AND UPDATED TO REFLECT THE LATEST CHANGES.
- THE CONTRACTOR IS TO PROVIDE AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT.
- CONTRACTOR ACKNOWLEDGES THEY HAVE VERIFIED WITH THE OWNER'S REPRESENTATIVE ALL OF THE DETAILS OF THE WORK PERFORMED INCLUDING THE ACCURACY OF ALL CONTRACT DRAWINGS AND SPECIFICATIONS. ALL MATERIALS AND EQUIPMENT ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
- ALL DEFECTS IN EQUIPMENT OR MATERIALS, OR ERRORS IN THE DRAWINGS DISCOVERED DURING THE PERFORMANCE OF THE WORK SHALL BE REPORTED PROMPTLY TO THE OWNER'S REPRESENTATIVE. IN NO EVENT SHALL THE WORK PROCEED UNTIL DEFECTS AND/OR ERRORS HAVE BEEN RESOLVED.
- THE CONTRACTOR IS TO PROTECT PERSONAL OFFICE FURNITURE AND EQUIPMENT.

CODES AND REGULATIONS:

- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK, BOTH ON AND OFF SITE. IF ANY OF THE CONTRACT DOCUMENTS ARE AT VARIANCE THEREWITH IN ANY RESPECT, CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING.
- CONTRACTOR REPRESENTS AND WARRANTS COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES AND REGULATIONS APPLICABLE TO THIS ORDER, INCLUDING THE NEW YORK STATE BUILDING CODE, AND LOCAL GOVERNING BODY.
- FINAL COMPLETION:

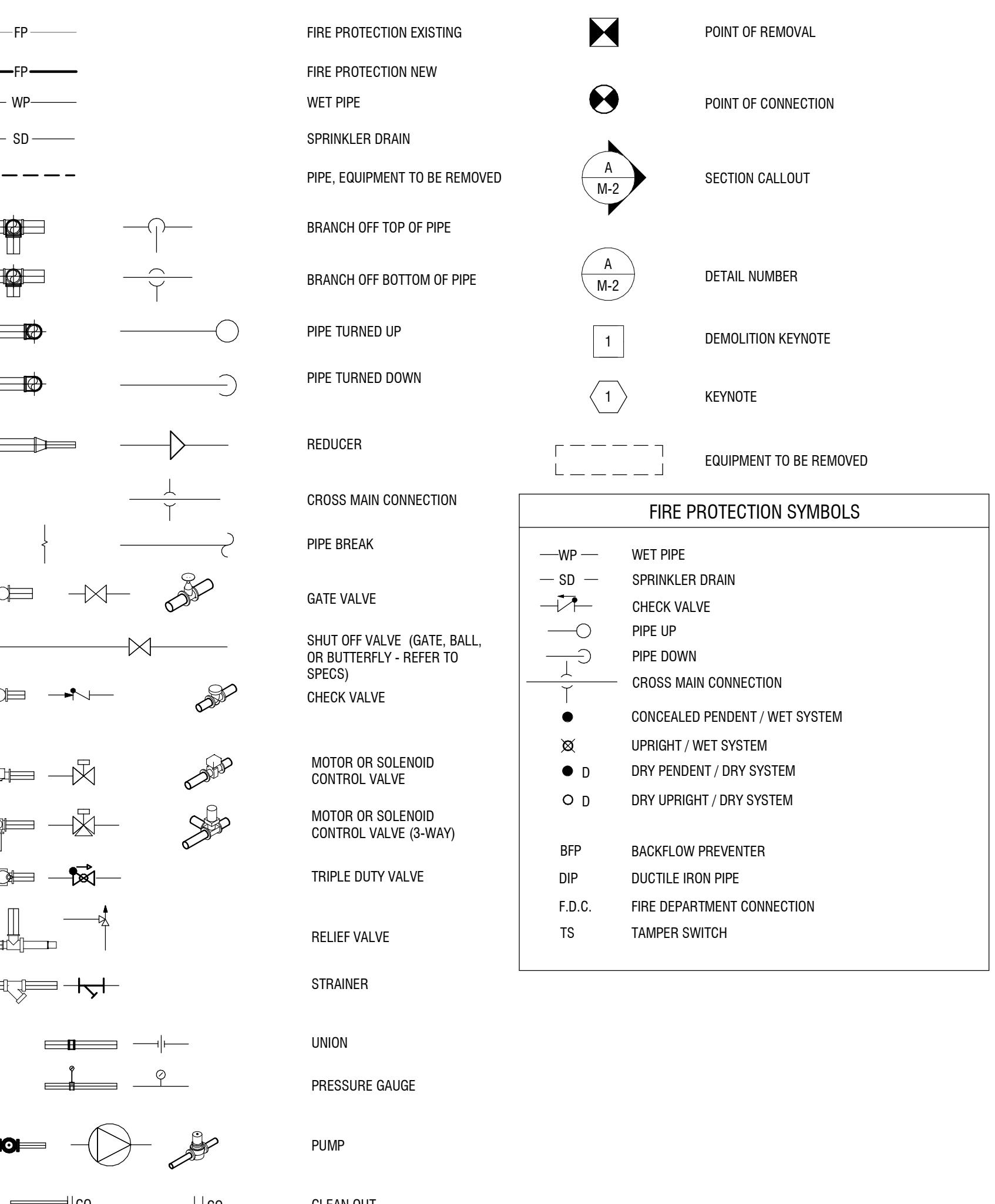
 - PERFORM ALL OF THE WORK REQUIRED TO COMPLETE THE PROJECT, INCLUDING THE SATISFACTORY OPERATION OF ALL EQUIPMENT, AND THE CORRECTION OF ALL UNACCEPTABLE OR INCOMPLETE PORTIONS OF THE PROJECT TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE. SETTLE ALL CLAIMS AND SECURE RELEASE OF ALL MECHANICS LIEN OR LEINS OF A LIKE NATURE, AND SECURE THE ISSUANCE BY AN APPROPRIATE GOVERNMENT AUTHORITY OF A CERTIFICATE OF OCCUPANCY. REMOVE ALL RUBBISH, SURPLUS MATERIALS, SCAFFOLDING, AND EQUIPMENT FROM THE SITE WHETHER OR NOT LEFT BY OR BELONGING TO THE CONTRACTOR.

**BUILDING CODES AND STANDARDS
JURISDICTION: CITY OF ITHACA, NY**

- BUILDING CODE OF NEW YORK STATE, 2020 EDITION
- ENERGY CODE OF NEW YORK STATE, 2020 EDITION
- PLUMBING CODE OF NEW YORK STATE, 2020 EDITION
- MECHANICAL CODE OF NEW YORK STATE, 2020 EDITION
- FIRE CODE OF NEW YORK STATE, 2020 EDITION
- ENERGY CONVERSATION CODE OF NEW YORK STATE, 2020 EDITION
- ACCESSIBLE AND USABLE BUILDING AND FACILITIES - ICC A117.1 - 2009
- NATIONAL ELECTRIC CODE 2016 EDITION
- NATIONAL FIRE CODE: NFPA 13, 2016 EDITION
- FM GLOBAL DATA SHEETS
- FMD 1-12, CEILINGS AND CONCEALED SPACES
- FMD 2-0, INSTALLATION GUIDELINES FOR AUTOMATIC SPRINKLERS
- FMD 3-26, FIRE PROTECTION FOR NON-STORAGE OCCUPANCIES
- FM GLOBAL HAZARD CLASS, HC-1.
- CORNELL UNIVERSITY STANDARDS.

FIRE PROTECTION NOTES

- THE DESIGN PRELIMINARY SHOWN ON THESE CONTRACT DOCUMENTS IS TO PROVIDE GUIDANCE FOR BIDDING AND TO OBTAIN APPROVAL OF THE AUTHORITIES HAVING JURISDICTION. SUBMIT COMPLETE FIRE SPRINKLER SHOP DRAWINGS AS REQUIRED BY CONTRACT DOCUMENTS TO THE OWNER'S DESIGNATED REVIEWER. BASE DESIGN UPON THESE DRAWINGS AND AS REQUIRED BY THE SPECIFICATIONS. SHOP DRAWINGS SHALL INCLUDE ELEVATIONS, HANGER LENGTHS, PIPE LENGTHS, DIMENSIONS, FABRICATION METHODS, MATERIAL DATA, AND ADDITIONAL INFORMATION NECESSARY TO CLARIFY THE INTENT OF INSTALLATION. CONTRACTOR SHALL PROVIDE PIPE SIZE, SPRINKLER SPACING, AND SYSTEM CONFIGURATION AS SHOWN. ALTERNATES MUST BE APPROVED IN WRITING BY FIRE PROTECTION ENGINEER OF RECORD DOCUMENTS PRIOR TO BID.
- NOTE CAREFULLY THAT THE FIRE PROTECTION DRAWING ARE INTENDED TO INDICATE, ONLY DIAGRAMMATICALLY, TO THE EXTENT AND GENERAL CHARACTER AND LOCATIONS OF THE WORK INDUCED BY THE WORK OBVIOUSLY INTENDED, BUT HAVING MINOR DETAILS OMITTED OR NOT SHOWN COMPLETE AS REQUIRED TO PERFORM THE FUNCTIONS INTENDED. FOLLOW THE CONTRACT DOCUMENTS FOR BUILDING DETAILS AND FIT THE WORK OF THE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS THERETO.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING CURRENT HYDRANT TEST DATA (PERFORMED WITHIN LAST 6 MONTHS) AND PERFORMING HYDRAULIC CALCULATIONS; THE CONTRACTOR MAY RESIZE SPRINKLER PIPING IN ACCORDANCE TO HYDRAULIC CALCULATIONS.
- COORDINATE LOCATIONS OF FIRE PROTECTION COMPONENTS, INCLUDING PIPING, ALARMS, DRAINS, TEST POINTS, ETC. WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS. OBSTRUCTION TO SPRINKLER DISCHARGE MUST BE CONSIDERED DURING SHOP DRAWING PRODUCTION AND INSTALLATION; ADDITIONAL SPRINKLERS MAY BE REQUIRED AT NO ADDITIONAL COST TO OWNER, REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- SUBMIT A REQUEST FOR INFORMATION FOR QUESTIONS REGARDING THE FIRE PROTECTION DOCUMENTS.
- CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BID. SHOULD MODIFICATIONS TO THESE PLANS BECOME NECESSARY TO PROPERLY COORDINATE THE SYSTEM WITH ALL OTHER TRADES, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE CHANGES FROM BOTH THE AUTHORITY HAVING JURISDICTION AND THE OWNER'S DESIGNATED REVIEW CONSULTANT IN ADDITION TO OBTAINING THE NECESSARY APPROVALS. THE CONTRACTOR MUST MAKE NOTE OF ANY FIELD OR COORDINATION CHANGES ON THE INSTALLATIONS DRAWINGS, AND PROVIDE A SET OF AS-BUILT DRAWINGS ONCE COMPLETE.
- CONTRACTOR SHALL ROUTE PIPING AROUND ALL OBSTRUCTIONS AND PROVIDE SPRINKLER PROTECTION UNDER OBSTRUCTIONS AS DETAILED IN NFPA 13 AS PART OF THE FIELD COORDINATION AT NO ADDITIONAL COST TO OWNER.
- ALL SPRINKLER DEFLECTOR DISTANCE REQUIREMENTS SHALL BE IN ACCORDANCE WITH NFPA 13 / FM GLOBAL STANDARDS.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED WITH APPROVED MATERIALS PER METHODS DESCRIBED BY THE UL FIRE RESISTANCE DIRECTORY.
- PROVIDE FLUSHING CONNECTIONS IN ACCORDANCE WITH NFPA 13 AND CORNELL UNIVERSITY STANDARDS.
- PROVIDE ALL NECESSARY OFFSETS, RAISES, OR DROPS IN PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS. PIPE ELEVATION CHANGES ARE APPROXIMATE DIMENSIONS ONLY.
- ALL MATERIALS SHALL BE UL LISTED OR FM APPROVED. SPRINKLER PIPE SHALL BE MANUFACTURED TO STANDARDS RECOGNIZED BY NFPA 13. THREADED PIPE SHALL HAVE A CORROSION RESISTANCE RATING OF 1.0 OR GREATER. CRIMP-TYPE COUPLERS SHALL NOT BE USED.
- SPRINKLER PIPE SHALL HAVE A "MIC" RESISTANT COATING ON THE INTERIOR.
- HYDROSTATIC TEST NEW ABOVE GROUND SPRINKLER PIPING FOR LEAKAGE IN PRESENCE OF AUTHORITY HAVING JURISDICTION (AHJ) AND CORNELL UNIVERSITY FIRE MARSHALL. SCHEDULE THROUGH CU LIMO AND AHJ.
- ROUTE SPRINKLER MAINS ABOVE BOTTOM CHORD OF JOISTS AND FOLLOW PITCH/SLOPE OF ALL CEILING PLANS WHERE PIPING IS EXPOSED.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING AND WALL ELEVATIONS.
- COORDINATE SYSTEM SHUT-DOWNS WITH OWNER.
- COORDINATE SPRINKLER SYSTEM INSTALLATION WITH GENERAL CONTRACTOR FOR REMOVAL OF EXISTING CEILINGS AND INSTALLATION OF NEW CEILINGS.
- DESIGN TO MEET THE MOST STRINGENT REQUIREMENTS OF DESIGN STANDARDS NOTED ON THIS DRAWING.

DRAWING SYMBOLS


FIRE PROTECTION SYMBOLS	
WP	WET PIPE
SD	SPRINKLER DRAIN
▼	CHECK VALVE
○	PIPE UP
↓	PIPE DOWN
T	CROSS MAIN CONNECTION
●	CONCEALED PENDANT / WET SYSTEM
✗	UPRIGHT / WET SYSTEM
● D	DRY PENDANT / DRY SYSTEM
○ D	DRY UPRIGHT / DRY SYSTEM
BFP	BACKFLOW PREVENTER
DIP	DUCTILE IRON PIPE
F.D.C.	FIRE DEPARTMENT CONNECTION
TS	TAMPER SWITCH

NOTE:
NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT DESIGNATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSIONS OF ANY PARTICULAR ITEM FROM THIS PROJECT.

SPRINKLER HEAD TYPES			
ROOM	TYPE	FINISH	SPRINKLER HEAD TEMP. RATING
ROOMS WITH SUSPENDED CEILINGS	CONCEALED	BRASS	165 F
ROOMS WITH NO CEILINGS	UPRIGHT	BRASS	165 F
ALL VESTIBULES, LOBBIES, AND CORRIDORS	SEMI-RECESSED	CHROME	165 F
WHERE INDICATED ON PLANS	SIDEWALL	BRASS	165 F

GENERAL NOTES

- EXISTING SYSTEM PIPING IS PARTIALLY VERIFIED. CONTRACTOR TO FIELD VERIFY ALL PIPING ON 1ST FLOOR TO DEVELOP SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.
- COORDINATE PIPE AND CEILING DEMOLITION WITH OWNER.
- CONTRACTOR TO PERFORM FLOW TEST ON FIRE PROTECTION SYSTEM FOR HYDRAULIC CALCULATIONS.
- REMOVE ALL DEMOLITION DEBRIS FROM WORK AREA AT END OF EACH DAY. DO NOT STORE DEBRIS ON SITE.

DEMOLITION NOTES

- 1** TYPICAL IN ALL LOCATIONS NOT DESIGNATED WITH KEYED NOTES 2 & 3: REMOVE ALL SPRINKLERS AND BRANCH LINES. EXISTING SPRINKLER MAINS TO REMAIN AS SHOWN ON THIS PLAN.
- 2** SPRINKLER HEADS IN THIS AREA TO REMAIN.
- 3** SPRINKLER AND BRANCH LINES TO REMAIN. RECONNECT TO NEW PIPING OUTSIDE OF 100E AND 103D.
- 4** REMOVE SPRINKLERS BELOW LANDING. PIPING TO REMAIN.

100 West Water Street, Suite 101
 Elmira, NY 14901
 607-734-8492
 labellapc.com



Expiration: September 2026

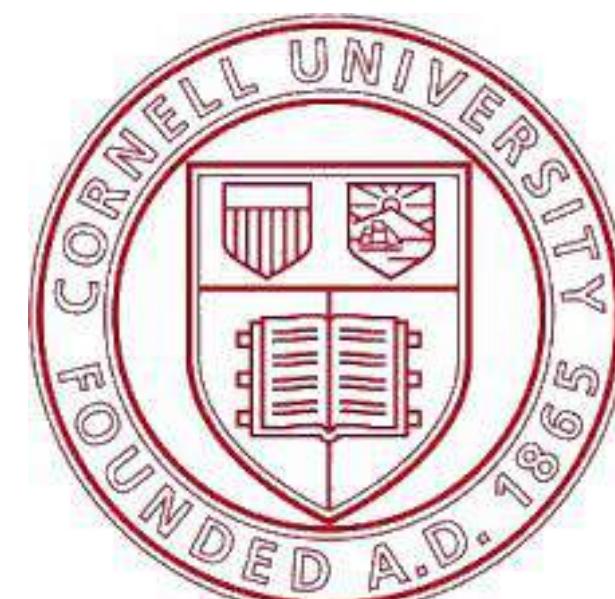
 CERTIFICATE OF AUTHORIZATION NUMBER:
 PROFESSIONAL ENGINEERING: 0021272
 LAND SURVEYING: 0021659
 GEOLOGICAL: 0021659

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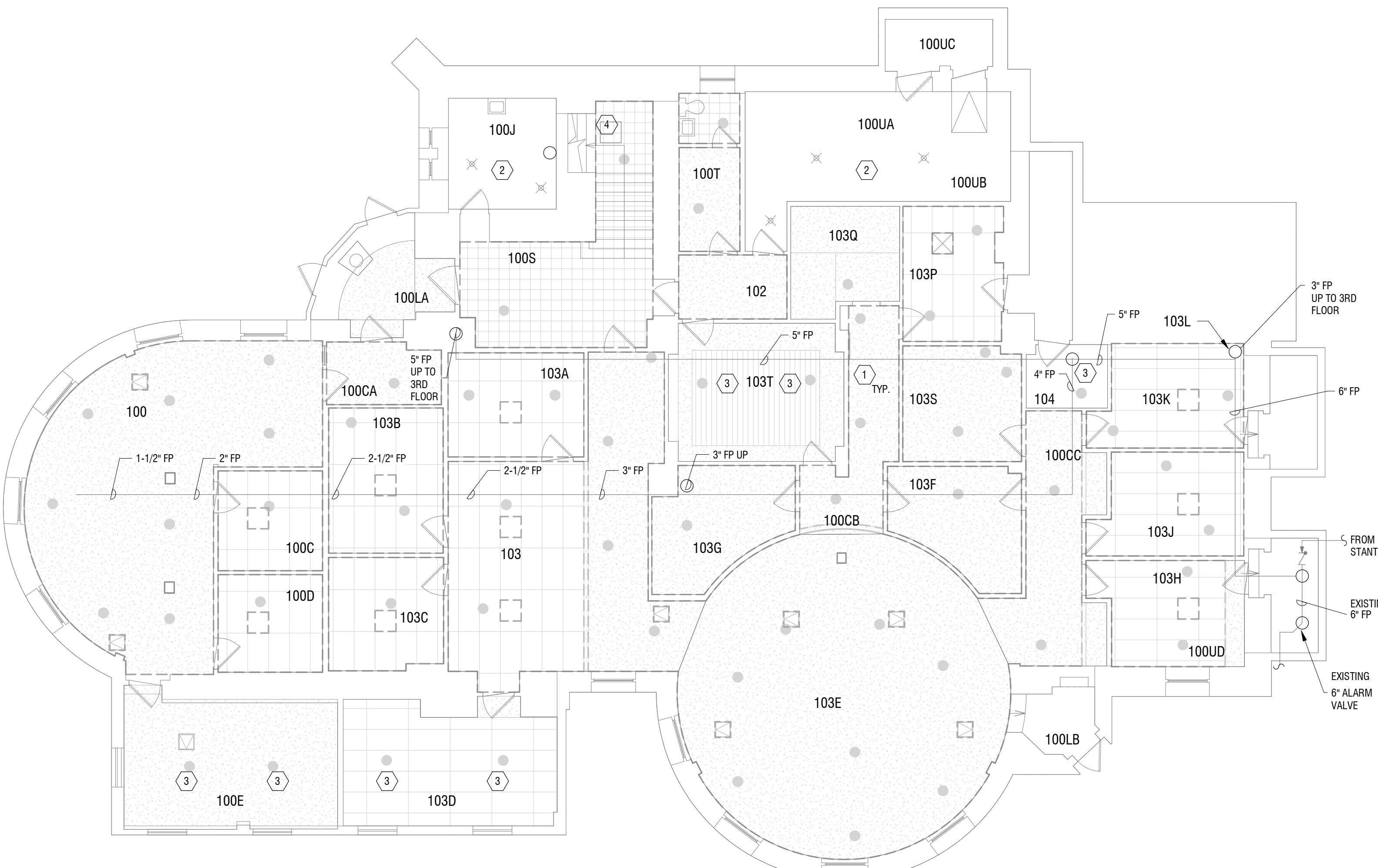
CORNELL UNIVERSITY

ITHACA, NY 14853


**BARNES HALL FIRST FLOOR
SPRINKLER INSTALL**

 129 HO PLAZA
 ITHACA, NY 14853

NO:	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER: 2242165		
DRAWN BY: SIK		
REVIEWED BY: SAD		
ISSUED FOR: CONSTRUCTION		
DATE: 12/05/25		
DRAWING NAME:		





Expiration: September 2026

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 0021272
LAND SURVEYING: 0021271
GEOLOGICAL: 0021650

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GENERAL NOTES

1. EXISTING SYSTEM PIPING IS PARTIALLY VERIFIED. CONTRACTOR TO FIELD VERIFY ALL PIPING ON 1ST FLOOR TO DEVELOP SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.
2. COORDINATE PIPE AND CEILING DEMOLITION WITH OWNER.
3. CONTRACTOR TO PERFORM FLOW TEST ON FIRE PROTECTION SYSTEM FOR HYDRAULIC CALCULATIONS.
4. REMOVE ALL DEMOLITION DEBRIS FROM WORK AREA AT END OF EACH DAY. DO NOT STORE DEBRIS ON SITE.
5. FIRE SPRINKLER SYSTEM TO BE WET PIPE, DESIGNED TO F.M. GLOBAL DATA SHEET, HAZARD CLASS, HC-1.
 - FMD 1-12, CEILING AND CONCEALED SPACES.
 - FMD 2-0, INSTALLATION GUIDELINES FOR AUTOMATIC SPRINKLERS.
 - FMD 3-26, FIRE PROTECTION FOR NON-STORAGE OCCUPANCIES.
6. SYSTEM TO COMPLY WITH NFPA13 AND THE FIRE CODE OF NEW YORK STATE.
7. THE DESIGN IS TO MEET THE MOST STRINGENT REQUIREMENTS OF THE ABOVE REFERENCED STANDARDS.
8. COMPLY WITH THE REQUIREMENTS OF THE AHJ.
9. FIELD VERIFY EXISTING PIPING AFTER CEILING DEMOLITION.
10. SUBMIT SHOP DRAWINGS TO THE ENGINEER AND THE CORNELL UNIVERSITY FIRE PROTECTION ENGINEER FOR REVIEW PRIOR TO ORDERING MATERIAL OR PERFORMING CONSTRUCTION WORK.
11. PROVIDE HYDRAULIC CALCULATIONS FOR REVIEW AND APPROVAL.
12. COORDINATE FIRE SPRINKLER WORK WITH OTHER TRADES.
13. SUBMIT REDLINE DRAWINGS TO ENGINEER SHOWING ANY DEVIATIONS FROM APPROVED SHOP DRAWINGS.
14. SPRINKLERS SHOWN ON THIS SHEET ARE NEW UNLESS OTHERWISE NOTED.
15. CRAWL SPACE NOT IN SCOPE.
16. PROVIDE CORNELL STANDARD END-OF-LINE FLUSHING VALVES PER DETAILS ON DRAWING F501 AT THE END OF ALL BRANCHES, CROSS BRANCH MAINS, MAINS AND WHERE SHOWN NOTED ON DRAWINGS. PROVIDE 12" X12" ACCESS PANELS MATCHING THE FINAL FINISHES EXCEPT IN AREAS WITH SUSPENDED ACOUSTIC TILE (SAT) CEILINGS
17. PROVIDE ISOLATION VALVE ON THE 1ST FLOOR AFTER THE FULL BUILDING SHUTDOWN SO THAT THE REST OF THE BUILDING CAN BE TURNED BACK ON WHILE WORK OCCURS ON THE 1ST FLOOR. ISOLATION VALVE TO REMAIN AFTER CONSTRUCTION. PROVIDE FLOW SWITCH, ELECTRIC WILL CONNECT TO FIRE ALARM SYSTEM

The Cornell University seal is a circular emblem. The outer ring contains the text "CORNELL UNIVERSITY" at the top and "FOUNDED A.D. 1865" at the bottom, both in a serif font. The inner shield is divided into four quadrants: the top left shows a plow, the top right shows a sheaf of wheat, the bottom left shows an open book, and the bottom right shows a landscape with a rising sun over water. The entire seal is rendered in a dark red color.

BARNES HALL FIRST FLOOR SPRINKLER INSTALL

129 HO PLAZA
ITHACA, NY 14853

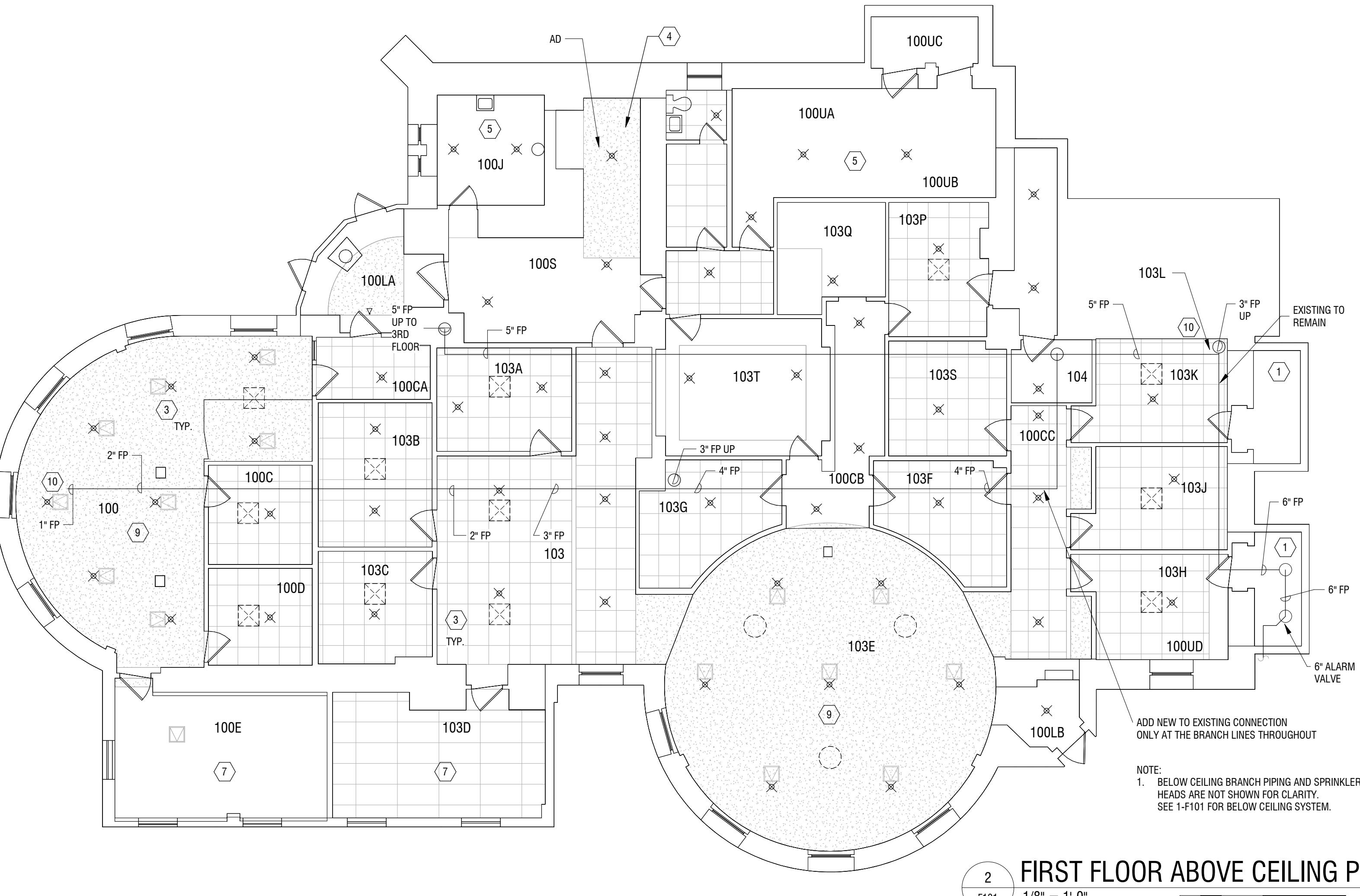
KEYED NOTES

- 1 ROUTE UPRIGHT SPRINKLER HEAD BELOW WIDE DUCT IN MECHANICAL ROOM.
- 2 TYPICAL UNLESS SUPERCEDED BY ADDITIONAL KEYED NOTE; CONNECTION LOCATIONS ARE APPROXIMATE, CONTRACTOR MUST SHOW ALL CONNECTION LOCATIONS ON SHOP DRAWINGS.
- 3 TYPICAL UNLESS SUPERCEDED BY ADDITIONAL KEYED NOTE; INSTALL ABOVE CEILING SPRINKLER HEADS FOR APPROX. 60 PLACES. CONTRACTOR TO FIELD VERIFY LOCATIONS.
- 4 INSTALL ABOVE CEILING SPRINKLER IN CEILING ABOVE LANDING. COORDINATE LOCATION WITH GENERAL CONTRACTOR FOR INSTALLATION OF ACCESS DOOR.
- 5 EXISTING UPRIGHT SPRINKLERS.
- 6 SIDEWALL HEAD (SINGLE HEAD BELOW EXISTING CEILING TO REMAIN (ETR)).
- 7 NO ABOVE CEILING HEADS REQUIRED IN THIS AREA.
- 8 REPLACE EXISTING SPRINKLER HEADS BELOW STAIR LANDING (2 HEADS). HEAD RATING TO MATCH EXISTING.
- 9 GENERAL CONTRACTOR IS TO INSTALL 16"x16" LOCKABLE STEEL ACCESS DOOR IN GWB CEILINGS, ADJACENT TO EACH ABOVE CEILING SPRINKLER HEAD, WITHIN 12" TO ALLOW FOR SERVICE OF THAT HEAD. ACCESS DOOR LOCATIONS NOTED ON FIRE PROTECTION DRAWINGS AND GENERAL CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. FINAL LOCATION IS TO BE COORDINATED WITH THE APPROVED FIRE PROTECTION CONTRACTOR'S SHOP DRAWINGS.
- 10 PROVIDE CORNELL STANDARD END-OF-LINE FLUSHING VALVES PER DETAILS ON DRAWING E501. SEE ALSO GENERAL NOTES ABOVE.

NO:	DATE:	DESCRIPTION:
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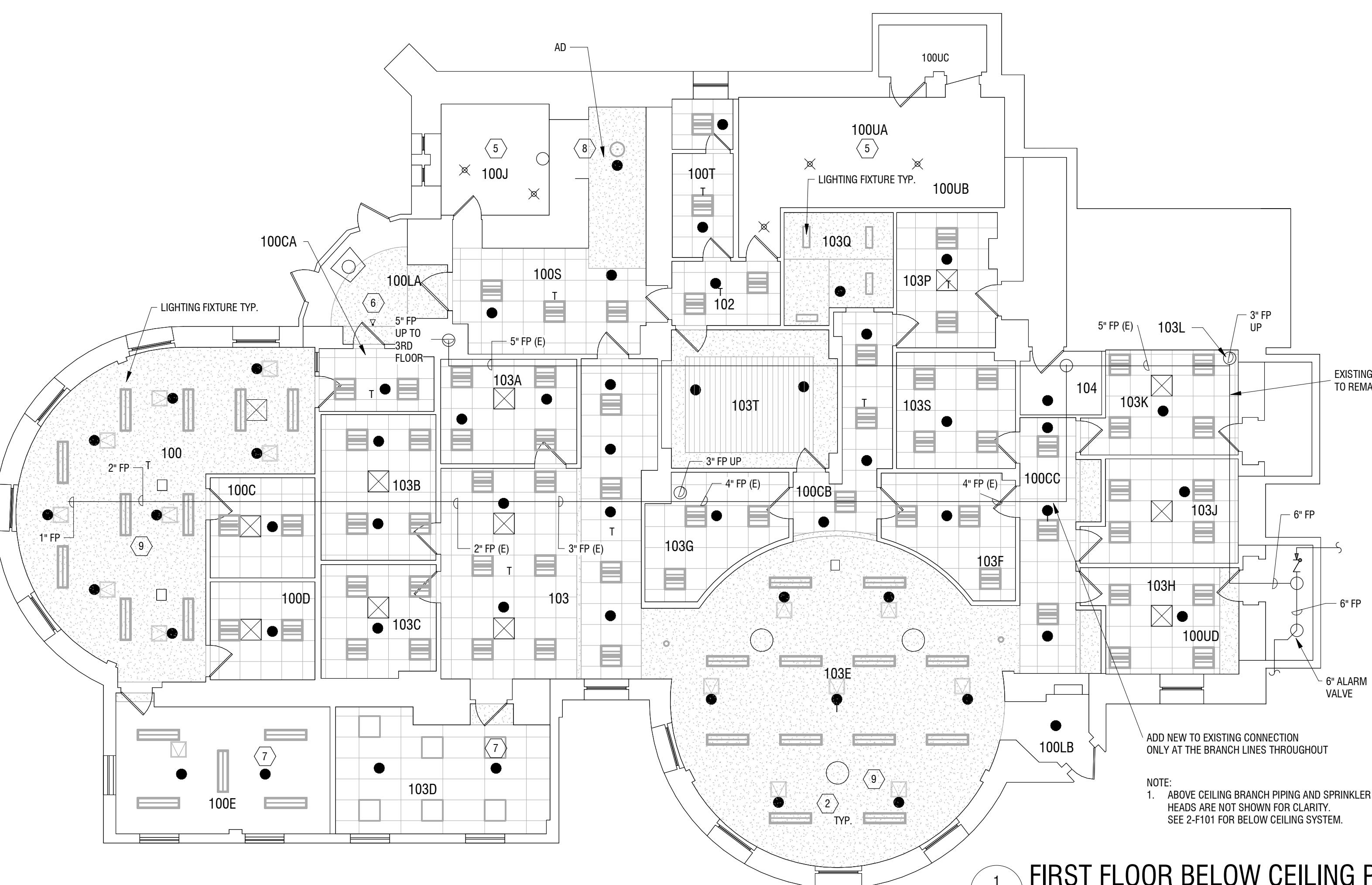
FIRST FLOOR ABOVE AND BELOW CEILING FIRE PROTECTION PLAN

DRAWING NUMBER:



FIRST FLOOR ABOVE CEILING PLAN - INSTALLATION

$$1/8" = 1'-0"$$



FIRST FLOOR BELOW CEILING PLAN - INSTALLATION

1/8" = 1'-0"

12/12/2025 11:57:31 AM



Expiration: September 2026

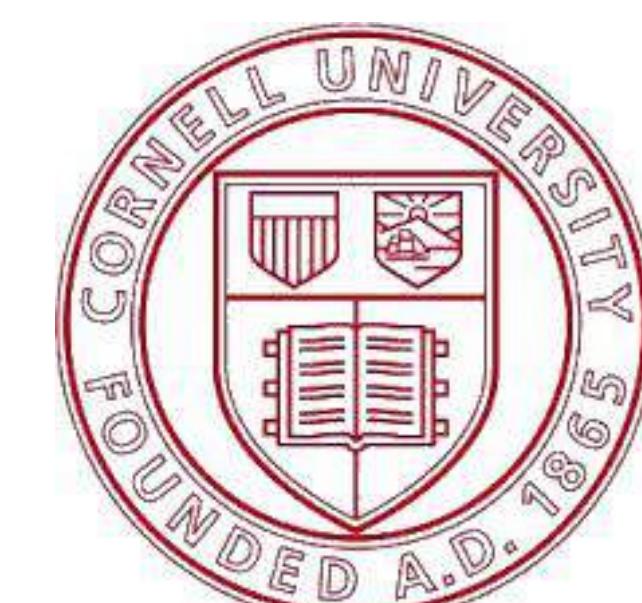
 CERTIFICATE OF AUTHORIZATION NUMBER:
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 LAND SURVEYING: 0021271
 GEOLOGICAL: 0021659

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CORNELL UNIVERSITY

ITHACA, NY 14853


**BARNES HALL FIRST FLOOR
SPRINKLER INSTALL**

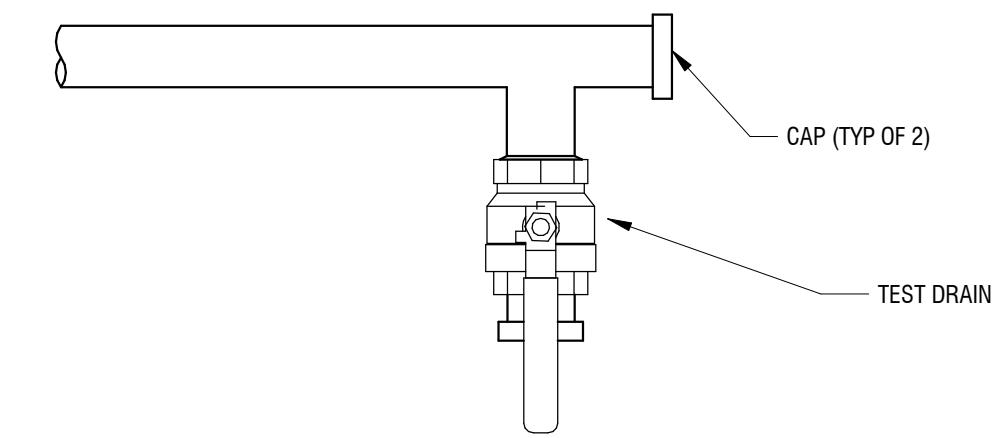
129 HO PLAZA

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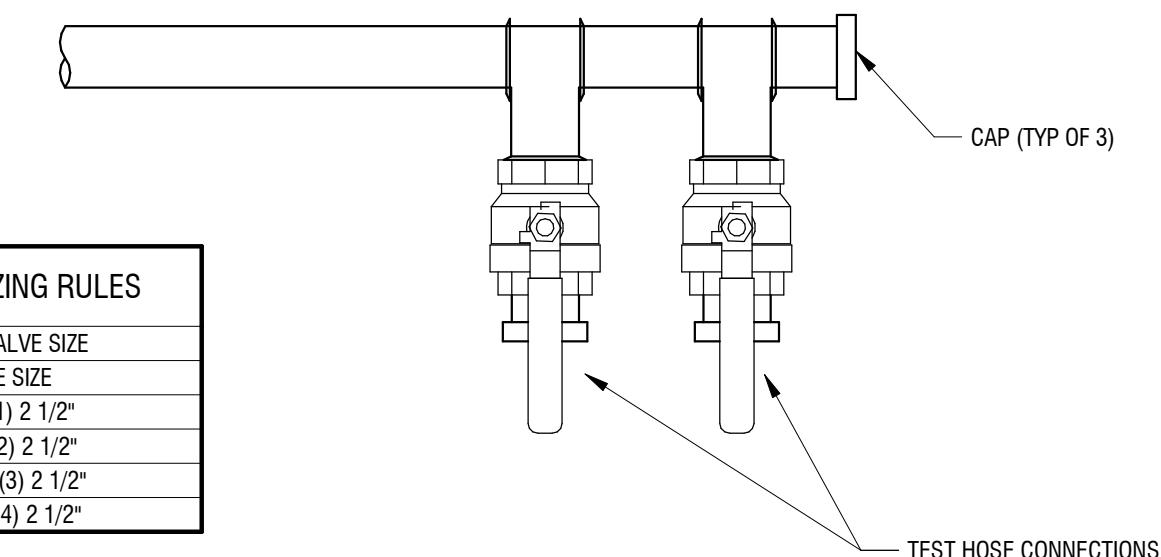
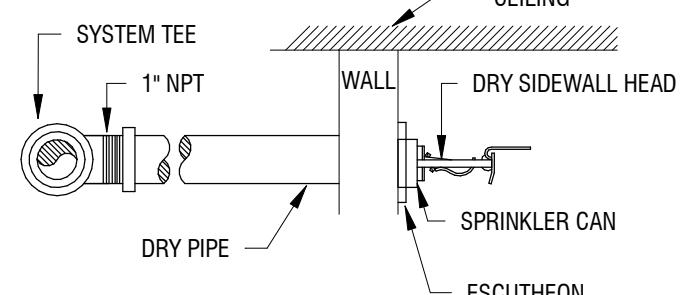
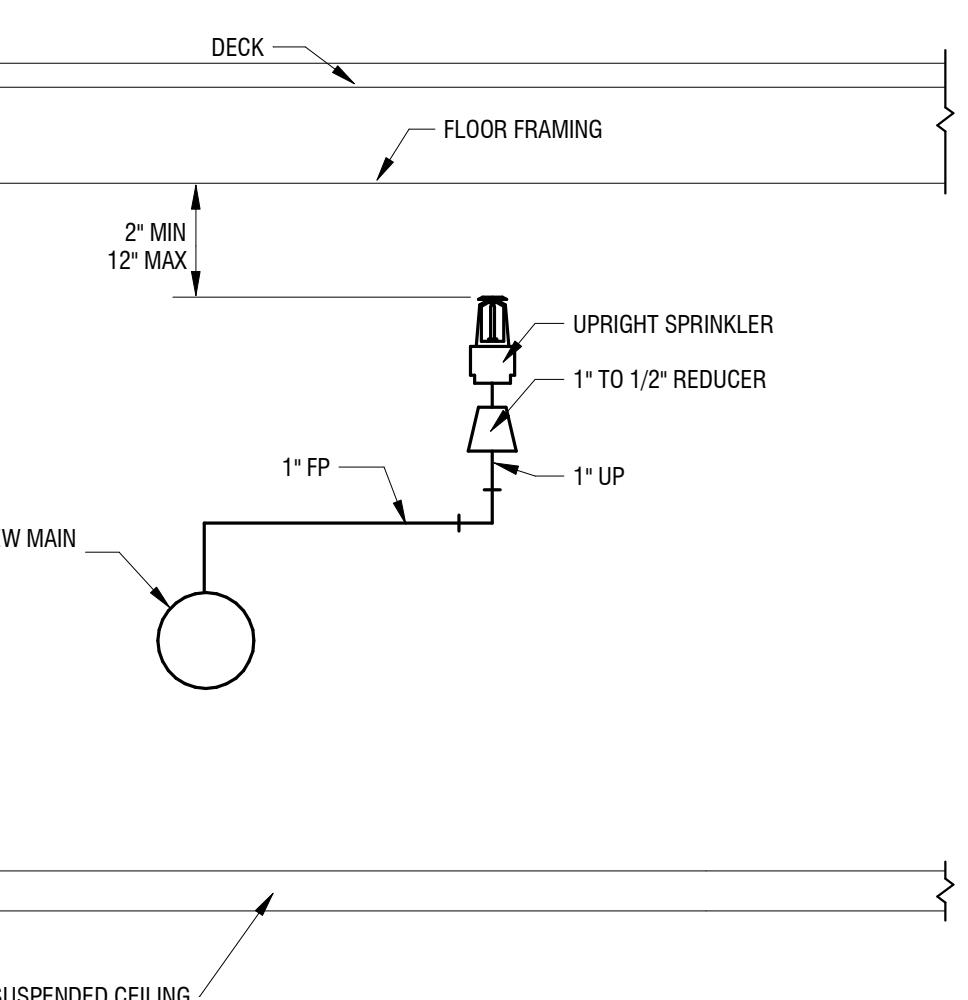
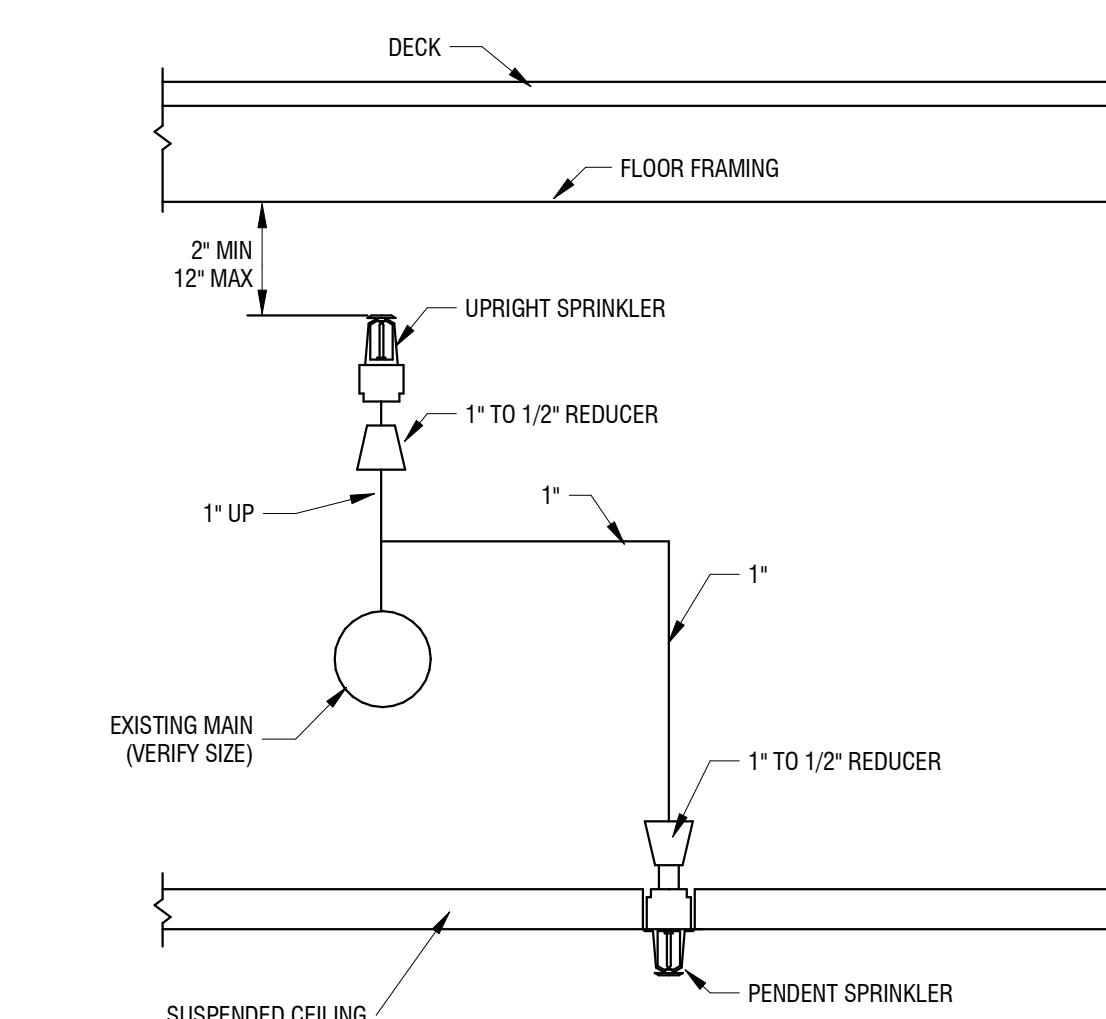
NO:	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER: 2242165		
DRAWN BY: SIK		
REVIEWED BY: SAD		
ISSUED FOR: CONSTRUCTION		
DATE: 12/05/25		
DRAWING NAME:		

FIRE PROTECTION DETAILS

DRAWING NUMBER:

F501

FLUSHING FULL PORT VALVE DETAIL
 5
 F501 12" = 1'-0"

FLUSHING FULL-PORT BALL VALVE SIZING RULES	
PIPE SIZE	BALL VALVE SIZE
1-2 1/2"	LINE SIZE
3"	ONE (1) 2 1/2"
4"	TWO (2) 2 1/2"
6"	THREE (3) 2 1/2"
8"	FOUR (4) 2 1/2"


MULTIPLE DRAIN VALVES DETAIL
 4
 F501 12" = 1'-0"

DRY SIDE WALL HEAD
 3
 F501 1/8" = 1'-0"

ABOVE CEILING SPRINKLER HEAD
 1
 F501 NOT TO SCALE

ABOVE AND BELOW CONNECTION TO EXISTING MAIN
 2
 F501 NOT TO SCALE



Expiration: September 2026

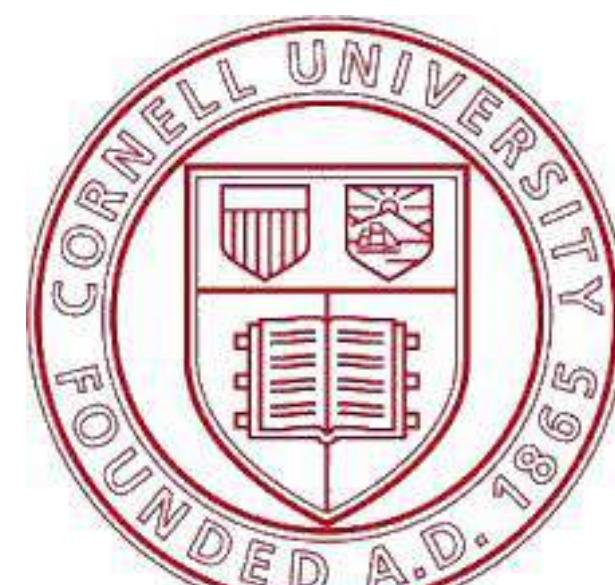
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CORNELL UNIVERSITY

ITHACA, NY 14853


 BARNES HALL FIRST FLOOR
 SPRINKLER INSTALL

129 HO PLAZA

ITHACA, NY 14853

NO:	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER:		
2242165		
DRAWN BY:		
LR		
REVIEWED BY:		
RDH		
ISSUED FOR:		
CONSTRUCTION		
DATE:		
12/05/25		
DRAWING NAME:		

 FIRST FLOOR LIGHTING
 PLAN

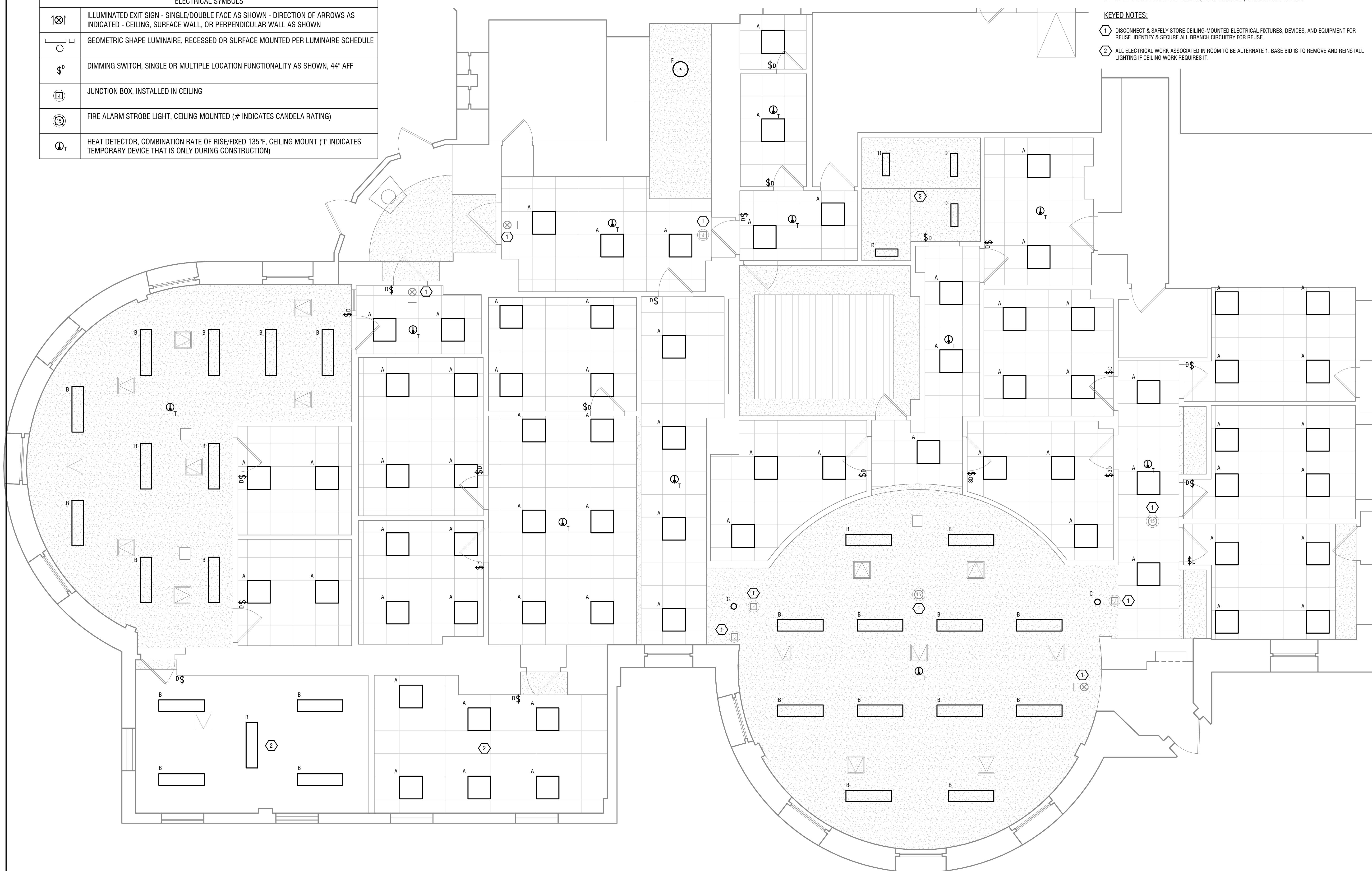
DRAWING NUMBER:

E201

LIGHT FIXTURE SCHEDULE								
Type	Description	Lamp	Color Temperature	Lumens	Watts	Voltage	Mounting	Manufacturer
A	BACK-LIT TROFFER	LED	3500 K	2760 lm	24 W	120 V	RECESSED SURFACE	COLUMBIA LIGHTING
B	BACK-LIT TROFFER	LED	3500 K	2760 lm	24 W	120 V	RECESSED SURFACE	COLUMBIA LIGHTING
C	LIGHT COMMERCIAL DOWLIGHTN	LED	3500 K	1210 lm	13.3 W	120 V	RECESSED SURFACE	PRESCOLITE
D	ARCHITECTURAL HALF MOON	LED	3500 K	2000 lm	24 W	120 V	SURFACE	PEERLESS
F	CEILING SURFACE MOUNT	LED	3500 K	2500 lm	19 W	120 V	SURFACE	VISA LIGHTING

ELECTRICAL SYMBOLS

18†	ILLUMINATED EXIT SIGN - SINGLE/DIDOUBLE FACE AS SHOWN - DIRECTION OF ARROWS AS INDICATED - CEILING, SURFACE WALL, OR PERPENDICULAR WALL AS SHOWN
○	GEOMETRIC SHAPE LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE
\$‡	DIMMING SWITCH, SINGLE OR MULTIPLE LOCATION FUNCTIONALITY AS SHOWN, 44" AFF
□	JUNCTION BOX, INSTALLED IN CEILING
○‡	FIRE ALARM STROBE LIGHT, CEILING MOUNTED (# INDICATES CANDELA RATING)
○†	HEAT DETECTOR, COMBINATION RATE OF RISE/FIXED 135°F, CEILING MOUNT († INDICATES TEMPORARY DEVICE THAT IS ONLY DURING CONSTRUCTION)


 FIRST FLOOR LIGHTING PLAN
 E201 1/4" = 1'-0" 0' 2' 4' 8'