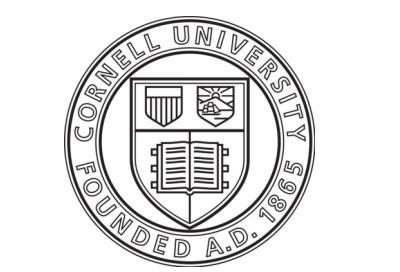


Cornell University

COLLEGE AVE 301 TURNOVER



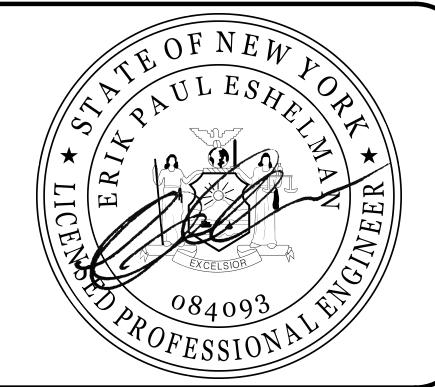
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A SPECIFIC DESCRIPTION OF THE ALTERATION.

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SITE LOCATION - 301 COLLEGE AVENUE		SITE PHOTO	SHEET INDEX	
			<p>GENERAL T-001 TITLE SHEET</p> <p>FIRE PROTECTION FP-001 FIRE PROTECTION GENERAL NOTES AND SYMBOL LEGENDS FP-101 FIRE PROTECTION GROUND FLOOR RENOVATION PLAN FP-102 FIRE PROTECTION FIRST FLOOR RENOVATION PLAN FP-103 FIRE PROTECTION SECOND THROUGH FOURTH FLOOR RENOVATION PLAN FP-401 FIRE PROTECTION DETAILS</p> <p>ELECTRICAL E-001 GENERAL NOTES AND SYMBOL LEGENDS E-101 FIRE ALARM GROUND FLOOR RENOVATION PLAN E-102 FIRE ALARM FIRST FLOOR RENOVATION PLAN E-201 GROUND FLOOR AND FIRST FLOOR EM AND EXIT SIGN PLANS E-202 2ND AND 3RD FLOOR EM LIGHTING AND EXIT SIGN PLANS E-203 4TH FLOOR EM LIGHTING AND EXIT SIGN PLAN</p>	
KEY PLANS		PROJECT SCOPE	GENERAL SYMBOLS LEGEND	BUILDING CODE SUMMARY
		<p>THE PURPOSE OF THIS PROJECT IS TO PROVIDE SPRINKLER COVERAGE TO AREAS THAT ARE NOT CURRENTLY SPRINKLER-PROTECTED AND REPLACE EXISTING HEADS THAT ARE DAMAGED.</p> <p>THE FIRE ALARM DRAWINGS (E-100 SERIES) PROVIDE CODE-COMPLIANCE UPGRADES TO THE EXISTING FIRE ALARM SYSTEM. DOCUMENT EXISTING DEVICE LOCATIONS, ADD NEW INITIATING AND NOTIFICATION DEVICES WHERE REQUIRED, AND REPROGRAM THE EXISTING CELLULAR DIALER TO REPORT TO CORNELL'S CENTRAL MONITORING STATION AT BARTON HALL IN ACCORDANCE WITH NFPA 72.</p> <p>THE EMERGENCY LIGHT AND EXIT SIGN DRAWINGS (E-200 SERIES) INCLUDE NEW BATTERY-OPERATED EMERGENCY LIGHTS, EXIT SIGNS, AND EXIT DISCHARGE LIGHTING.</p>		<p>APPLICABLE CODES 2020 NYS BUILDING CODE 2020 NYS EXISTING BUILDING CODE 2020 NYS PLUMBING CODE 2017 NFPA 70 NATIONAL ELECTRIC CODE 2016 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE</p> <p>PROJECT SUMMARY THIS PROJECT INCLUDES THE RENOVATION OF (28,700) SF OF APARTMENTS AND COMMERCIAL SPACE. THE WORK IS ALTERATION LEVEL 2 DUE TO THE ADDITION OFF NEW SPRINKLER HEADS AND PIPING.</p> <p>BUILDING LIMITATIONS CONSTRUCTION CLASSIFICATION: IIA CLASSIFICATION OF HAZARDS: NO HIGH-RISE BUILDING: NO EXTINGUISHING REQUIREMENT: PROJECT WILL MAKE BUILDING FULLY SPRINKLERED.</p> <p>OCCUPANCY OCCUPANCY CLASSIFICATION: RESIDENTIAL (R-2)/ BUSINESS (B)/ MERCANTILE (M)</p>
		<p>301 COLLEGE AVENUE ITHACA, NEW YORK 14850</p> <p>COLLEGE AVE 301 TURNOVER</p>	<p>DATE: JANUARY 23, 2026 FACILITY: 3927 DESIGN: FE DESIGN DRAWN: FHS</p> <p>TITLE SHEET ARCHIVE BAR CODE</p> <p>T-001 17839620</p>	

FIRE PROTECTION ACCESSORIES SCHEDULE						
FP ACCESS TAG	FP ACCESS DEVICE	BASIS OF DESIGN			PRESSURE RATING (PSI)	NOTES
		MANUFACTURER	MODEL NUMBER			
BV-01	AUXILIARY DRAIN BALL VALVE	VICTAULIC	SERIES ABV	300		
FDC	FIRE DEPARTMENT CONNECTION	POTTER ROEMER	5795-02-30	300		
ID	IDENTIFICATION PLATE	POTTER ROEMER	5966	N/A		LETTERING: -A AND -S

FIRE PROTECTION PIPING SCHEDULE						
PIPE SERVICE	ABBREVIATION	PIPE SIZE	MATERIAL	FITTINGS	NOTES:	
WET SPRINKLER	FP	4" & BELOW	ASTM A 53 TYPE F STEEL, SCHEDULE 40 BLACK, GRADE A	CAST OR MALLEABLE IRON THREADED OR DUCTILE IRON GROOVED		
WET SPRINKLER	FP	6" & ABOVE	ASTM A 53 TYPE E STEEL, SCHEDULE 40 BLACK, GRADE A	CAST OR MALLEABLE IRON THREADED OR DUCTILE IRON GROOVED		

SPRINKLER SCHEDULE								
SPRINKLER TYPE	BASIS OF DESIGN		RESPONSE	ORIFICE (IN)	K-FACTOR	TEMPERATURE RATING (°F)	CONSTRUCTION	FINISH
	MANUFACTURER	MODEL (SIN)						
UPRIGHT	RELIABLE	F1FR56	QUICK	1/2	5.6	155	BRASS	CHROME
SEMI-RECESSED PENDANT	RELIABLE	F1FR56	QUICK	1/2	5.6	155	BRASS	CHROME
DRY HORIZONTAL SIDEWALL	RELIABLE	F3QR56	QUICK	1/2	5.6	155	BRASS	CHROME
EXTENDED COVERAGE HORIZONTAL SIDEWALL	RELIABLE	DH56	QUICK	1/2	5.6	155	BRASS	CHROME

FIRE PROTECTION SUBMITTAL REGISTRY														
SECTION	DESCRIPTION	MATERIAL	DRAWINGS											
			SHOP DRAWINGS	COORD. DRAWINGS	AS-BUILT DRAWINGS	PRODUCT DATA	SCHEDULES	WIRING DIAGRAMS	CALCULATIONS	SAMPLES	STANDARDS	CERTIFICATIONS	IMFR INSTRUCTIONS	NSP. & TEST REPORTS
211313	WET-PIPE SPRINKLER SYSTEMS	STEEL PIPE & FITTINGS	X	X	X	X	X	X	X	X	X	X	X	X
211313	--	SPRINKLERS	X	X	X	X	X	X	X	X	X	X	X	X
211313	--	FIRE PROTECTION VALVES	X	X	X	X	X	X	X	X	X	X	X	X
211313	--	HYDRAULIC CALCULATIONS							X	X	X			

GENERAL DRAWING SYMBOLS	
	DEMOLISHED WORK
	EXISTING TO REMAIN
	NEW WORK
	EXISTING TO REMAIN
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	CONSTRUCTION KEYED NOTE
	DEMOLITION KEYED NOTE

FIRE PROTECTION SCOPE OF WORK	
1.0	EXTEND EXISTING SPRINKLER SYSTEM TO PROVIDE COVERAGE IN NON-COMPATIBLE, UNSPRINKLERED AREAS.
2.0	REPLACE ALL SPRINKLER HEADS THAT HAVE THEIR FUSIBLE LINKS COVERED IN PAINT.

FIRE PROTECTION GENERAL NOTES	
1.0	IT IS THE INTENT OF THESE DRAWINGS TO PROVIDE MODIFICATIONS TO THE FIRE PROTECTION SYSTEMS FOR THE PROTECTION OF 301 COLLEGE AVENUE.
2.0	PRIOR TO ALTERATIONS, THE SPRINKLER CONTRACTOR SHALL FIELD VERIFY EXTENT OF ALTERATION AND NEW WORK, WITH REGARD TO EXISTING CONDITIONS AT PIPE PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS AND SOFFITS.
3.0	ALL SPRINKLER COMPONENTS SHALL BE UNDERWRITER'S LABORATORIES (UL) AND FACTORY MUTUAL (FM) APPROVED.
4.0	NEW SPRINKLER SYSTEM PIPING SHALL BE INSTALLED CONCEALED ABOVE DROP CEILINGS IN ROOMS THAT HAVE A CEILING AND EXPOSED IN ALL OTHER AREAS. PIPING AND HANGER ASSEMBLIES SHALL BE PAINTED TO MATCH SURROUNDING AREAS.

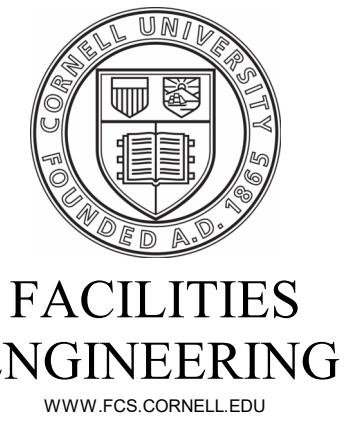
FIRE PROTECTION ABBREVIATIONS	
BFP	BACKFLOW PREVENTOR
BOP	BOTTOM OF PIPE
DN	DOWN
DPV	DRY PIPE VALVE
FP	FIRE PROTECTION
NTS	NOT TO SCALE
RPZ	REDUCED PRESSURE ZONE ASSEMBLY
SP	SPRINKLER
TYP	TYPICAL
WM	WATER METER

FIRE PROTECTION SYMBOLS	
	AIR VENT, AUTOMATIC
	AIR VENT, MANUAL
	BACKFLOW PREVENTOR, DOUBLE-CHECK VALVE (DCV)
	BACKFLOW PREVENTOR, REDUCED PRESSURE ZONE (RPZ)
	BALL VALVE
	BOTTOM OF PIPE CONNECTION
	BUTTERFLY VALVE / CONTROL VALVE
	CAP OR PLUG
	CHECK VALVE
	DIRECTION OF FLOW, PIPING
	FIRE AND SMOKE DAMPER IN DUCT
	FIRE DAMPER IN DUCT
	FLANGE CONNECTION
	FLEXIBLE CONNECTION (PIPE)
	FLOW METER
	FLOW SWITCH
	GATE VALVE
	GATE VALVE, ANGLE
	GLOBE VALVE
	GLOBE VALVE, ANGLE
	PIPE DOWN
	PIPE UP
	PUMP
	PRESSURE SWITCH
	SPRINKLER, PENDANT
	SPRINKLER, PENDANT WITH GUARD
	SPRINKLER, PENDANT ON DROP
	SPRINKLER, PENDANT ON DROP WITH GUARD
	SPRINKLER, UPRIGHT
	SPRINKLER, UPRIGHT WITH GUARD
	SPRINKLER, UPRIGHT ON SPRIG
	SPRINKLER, UPRIGHT ON SPRIG WITH GUARD
	SPRINKLER, SIDEWALL
	SPRINKLER, PENDANT (DRY)
	SPRINKLER, PENDANT WITH GUARD (DRY)
	SPRINKLER, PENDANT ON DROP (DRY)
	SPRINKLER, PENDANT ON DROP WITH GUARD (DRY)
	SPRINKLER, UPRIGHT (DRY)
	SPRINKLER, UPRIGHT WITH GUARD (DRY)
	SPRINKLER, UPRIGHT ON SPRIG (DRY)
	SPRINKLER, UPRIGHT ON SPRIG WITH GUARD (DRY)
	SPRINKLER, SIDEWALL (DRY)
	STRAINER
	TOP PIPE CONNECTION
	UNION

FIRE PROTECTION SYMBOLS	
1.0	THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE GENERAL ARRANGEMENT OF THE ITEMS INCLUDED IN THE FIRE PROTECTION WORK. AS SUCH, CONTRACTOR SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF FM GLOBAL STANDARDS, THE NFPA 13-INSTALLATION OF FIRE PROTECTION SYSTEMS, THE NEW YORK STATE BUILDING CODES, THE NEW YORK STATE FIRE CODES, LOCAL CODES, AND GOVERNING AUTHORITIES. THE DESIGN OF FIRE PROTECTION SYSTEMS TO WITHSTAND SEISMIC EVENTS SHALL BE IN ACCORDANCE WITH THE CRITERIA DEVELOPED BY THE NFPA.
2.0	PRIOR TO ALTERATIONS, THE SPRINKLER CONTRACTOR SHALL FIELD VERIFY EXTENT OF ALTERATION AND NEW WORK, WITH REGARD TO EXISTING CONDITIONS AT PIPE PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS AND SOFFITS.
3.0	ALL SPRINKLER COMPONENTS SHALL BE UNDERWRITER'S LABORATORIES (UL) AND FACTORY MUTUAL (FM) APPROVED.
4.0	NEW SPRINKLER SYSTEM PIPING SHALL BE INSTALLED CONCEALED ABOVE DROP CEILINGS IN ROOMS THAT HAVE A CEILING AND EXPOSED IN ALL OTHER AREAS. PIPING AND HANGER ASSEMBLIES SHALL BE PAINTED TO MATCH SURROUNDING AREAS.



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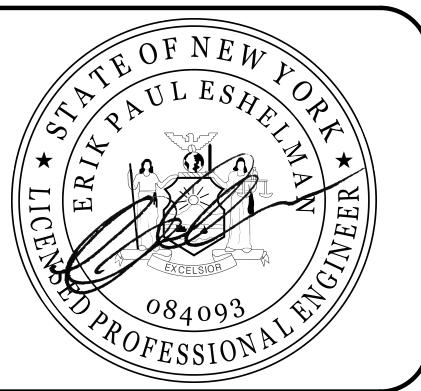
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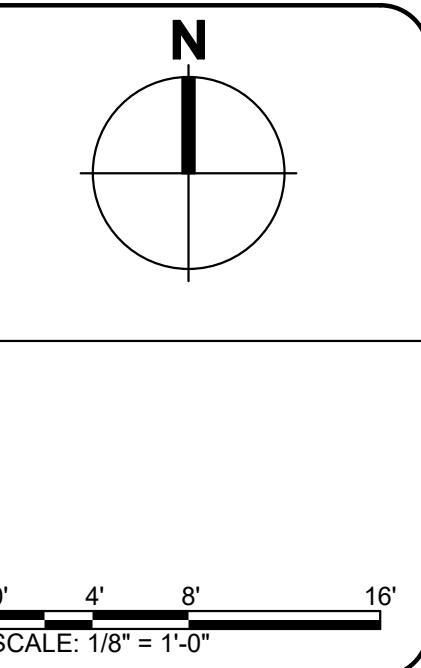
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MECHANICAL: *QJ*



REVISIONS

1 12/12/25 ISSUE FOR PERMIT

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301 COLLEGE AVENUE
ITHACA, NEW YORK 14850

COLLEGE AVE
301 TURNOVER

DATE:	JANUARY 23, 2026
FACILITY:	3927
DESIGN:	T. JORDAN
DRAWN:	FHS

**FIRE
PROTECTION
GROUND FLOOR
RENOVATION
PLAN**

FP-101
17839620

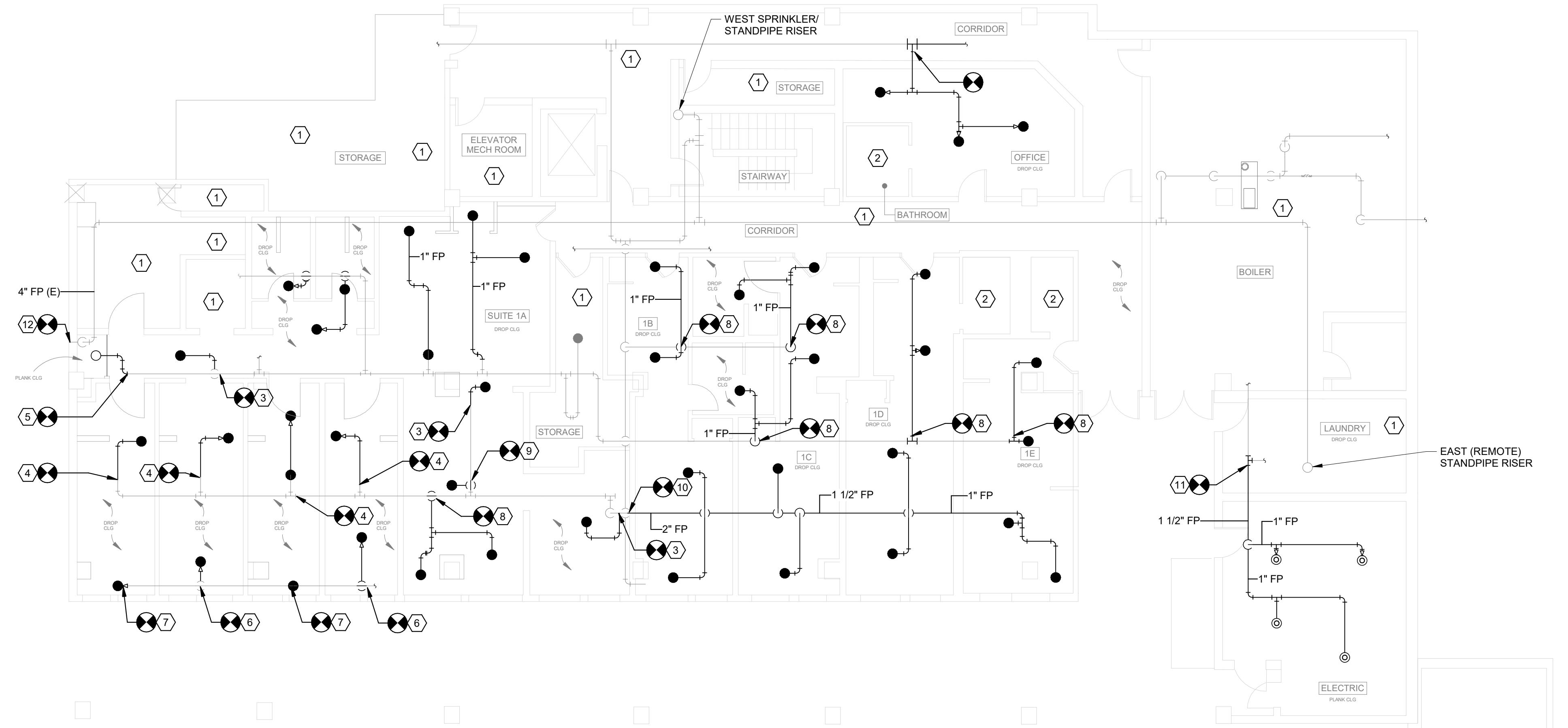
ARCHIVE BAR CODE

FIRE PROTECTION GENERAL NOTES

- 1.0 PROVIDE SPRINKLER COVERAGE THROUGHOUT GROUND, SECOND, THIRD AND FOURTH FLOORS IN ACCORDANCE WITH NFPA 13 (2016).
- 2.0 PATCH AND SEAL ALL PIPE PENETRATIONS TO PRESERVE FIRE-RATING OF EXISTING WALLS.
- 3.0 ATTACH PIPING TO WALL WHERE POSSIBLE TO AVOID CONCERN WITH PLANK CEILING.
- 4.0 ALL CLOSET DOORS REMOVED BY CORNELL TO ALLOW SPRINKLER COVERAGE OF SPACE.
- 5.0 ANY HEADS ABANDONED ABOVE DROP CEILINGS TO BE REMOVED AND PIPE CAPPED.
- 6.0 CAREFULLY REMOVE AND SALVAGE SUSPENDED CEILING SYSTEM AS REQUIRED FOR MEPP WORK. REINSTALL SALVAGED CEILING GRID AND PANELS FOLLOWING COMPLETION OF MEPP WORK. REPLACE ANY DAMAGED GRID AND CEILING PANELS IN KIND.
- 7.0 PAINT BLACK STEEL PIPE WITH THE FOLLOWING SYSTEM:
PRIMER: MPI #107
COAT 1 & 2: MPI 145, GLOSS LEVEL 3
COLOR TO MATCH ADJACENT FINISH.

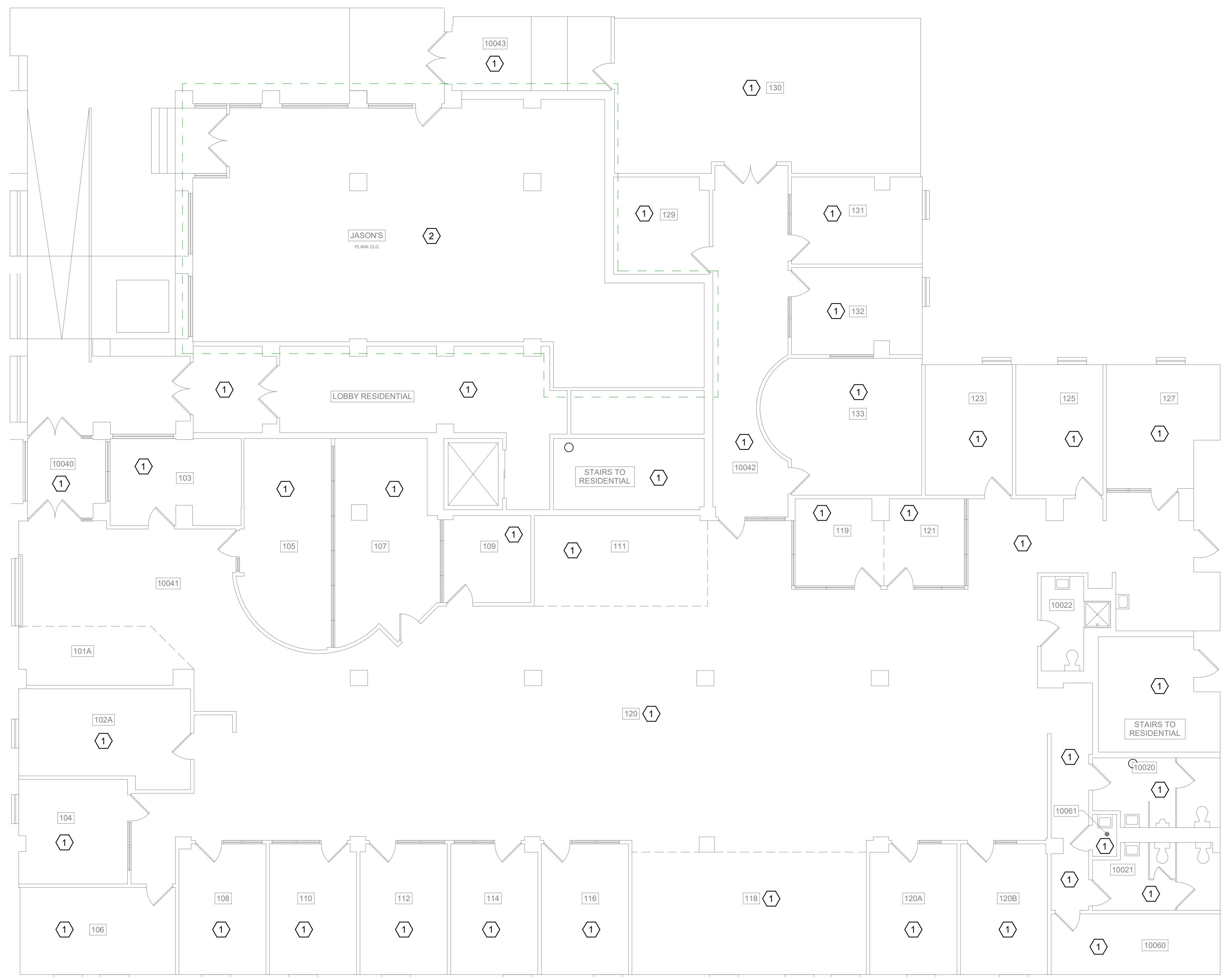
FP-101 KEYED RENOVATION NOTES

- 1 ROOM IS FULLY-SPRINKLERED.
- 2 BATHROOM IS UNDER 55 SQ FT. SPRINKLER HEAD IS NOT REQUIRED PER NFPA 13.
- 3 DEMOLISH EXISTING HEAD AND PROVIDE 1" LINE TO NEW SPRINKLER HEAD.
- 4 DEMOLISH EXISTING HEAD AND PROVIDE HEAD IN NEW LOCATION TO PROVIDE COVERAGE TO CLOSET.
- 5 PROVIDE UPRIGHT HEAD AND SPRINKLER PIPING.
- 6 DEMOLISH EXISTING HEAD AND PROVIDE NEW SPRINKLER HEAD IN SAME ORIENTATION.
- 7 DEMOLISH EXISTING HEAD AND PROVIDE NEW SPRINKLER HEAD IN SAME ORIENTATION.
- 8 DEMOLISH EXISTING SPRINKLER HEAD. PROVIDE TWO NEW HEADS.
- 9 PROVIDE NEW HEAD. CONNECT INTO EXISTING 1" LINE.
- 10 DEMOLISH EXISTING PIPE. PROVIDE 2" PIPE IN SAME ORIENTATION AS PREVIOUS.
- 11 PROVIDE SPRINKLER HEADS IN ELECTRIC ROOM. CONNECT INTO EXISTING PIPING SERVING LAUNDRY.
- 12 DEMOLISH EXISTING SIAMESE FDC. PROVIDE 5" STORZ WITH A 4" OUTLET. PATCH AND REFINISH AFFECTED AREA TO MATCH ADJACENT SURFACES.



1 GROUND FLOOR RENOVATION PLAN
SCALE: 1/8" = 1'-0"

ARCHIVE BAR CODE



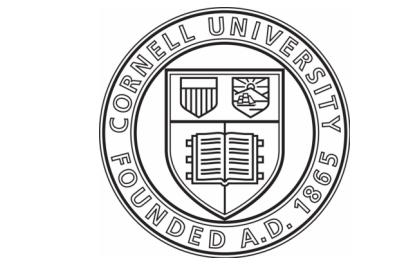
1 FIRST FLOOR RENOVATION PLAN
SCALE: 1/8" = 1'-0"

FIRE PROTECTION GENERAL NOTES

- 1.0 PROVIDE SPRINKLER COVERAGE THROUGHOUT GROUND, SECOND, THIRD AND FOURTH FLOORS IN ACCORDANCE WITH NFPA 13 (2016).
- 2.0 PATCH AND SEAL ALL PIPE PENETRATIONS TO PRESERVE FIRE-RATING OF EXISTING WALLS.
- 3.0 ATTACH PIPING TO WALL WHERE POSSIBLE TO AVOID CONCERN WITH PLANK CEILING.
- 4.0 ALL CLOSET DOORS REMOVED BY CORNELL TO ALLOW SPRINKLER COVERAGE OF SPACE.
- 5.0 ANY HEADS ABANDONED ABOVE DROP CEILINGS TO BE REMOVED AND PIPE CAPPED.
- 6.0 CAREFULLY REMOVE AND SALVAGE SUSPENDED CEILING SYSTEM AS REQUIRED FOR MEPP WORK. REINSTALL SALVAGED CEILING GRID AND PANELS FOLLOWING COMPLETION OF MEPP WORK. REPLACE ANY DAMAGED GRID AND CEILING PANELS IN KIND.
- 7.0 PAINT BLACK STEEL PIPE WITH THE FOLLOWING SYSTEM:
PRIMER: MPI #107
COAT 1 & 2: MPI 145, GLOSS LEVEL 3
COLOR TO MATCH ADJACENT FINISH.

FP-102 KEYED RENOVATION NOTES

- 1 ROOM IS FULLY-SPRINKLERED.
- 2 ROOM IS FULLY COVERED. ALL PAINTED SPRINKLER HEADS TO BE REPLACED. ASSUMPTION IS 14.



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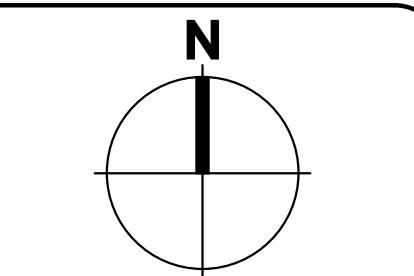
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MECHANICAL: *JK*



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0' 4' 8' 16'
SCALE: 1/8" = 1'-0"

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ITHACA, NEW YORK 14850

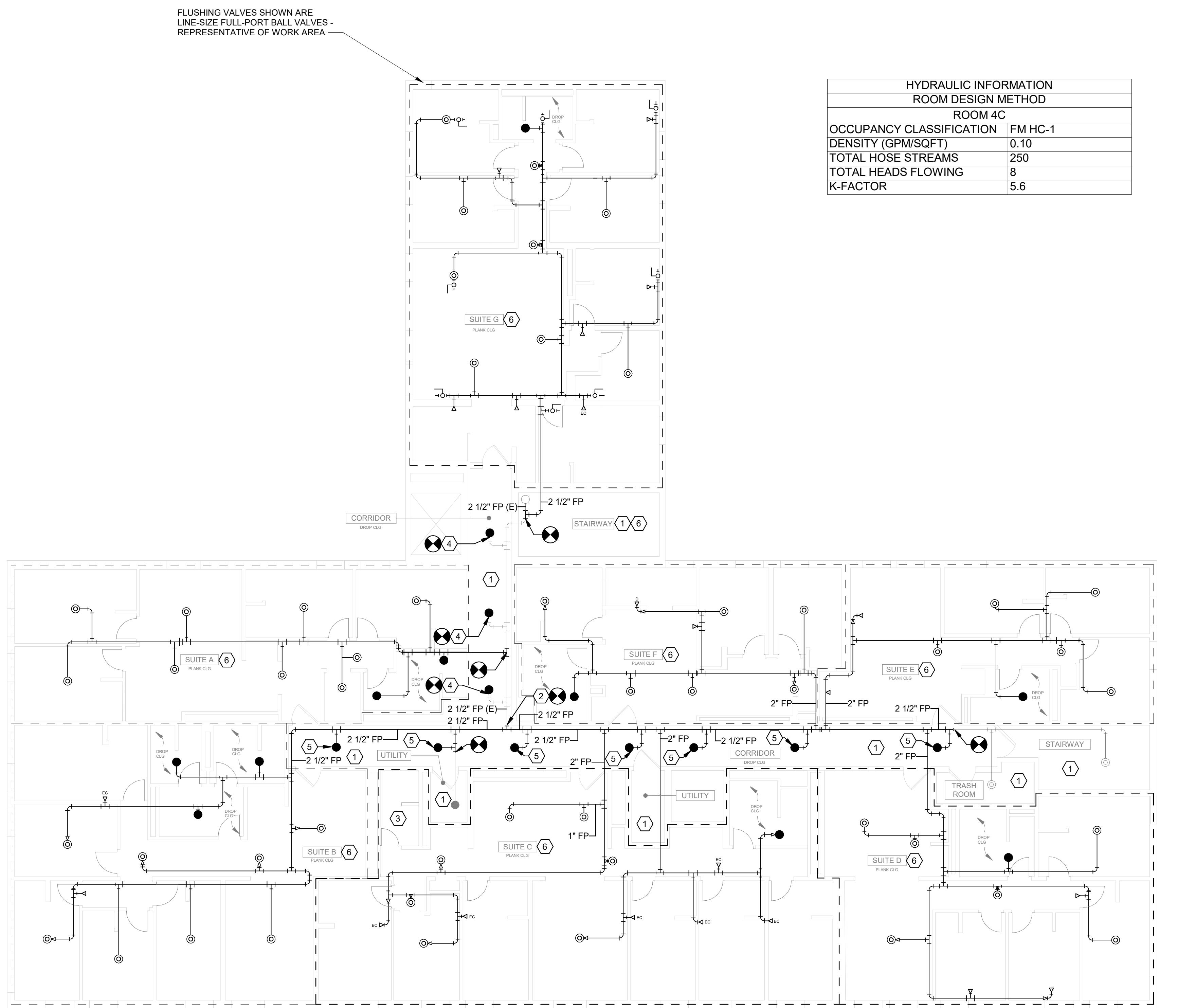
COLLEGE AVE
301 TURNOVER

DATE: JANUARY 23, 2026
FACILITY: 3927
DESIGN: T. JORDAN
DRAWN: FHS

FIRE
PROTECTION
FIRST FLOOR
RENOVATION
PLAN

FP-102
17839620

ARCHIVE BAR CODE



1 SECOND THROUGH FOURTH FLOOR RENOVATION PLAN (TYPICAL)

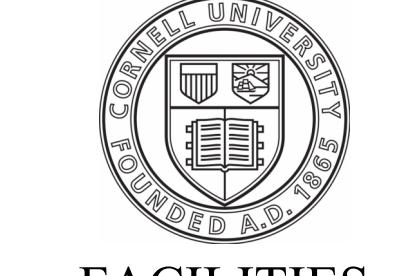
SCALE: 1/8" = 1'-0"

FIRE PROTECTION GENERAL NOTES

- 1.0 PROVIDE SPRINKLER COVERAGE THROUGHOUT GROUND, SECOND, THIRD AND FOURTH FLOORS IN ACCORDANCE WITH NFPA 13 (2016).
- 2.0 PATCH AND SEAL ALL PIPE PENETRATIONS TO PRESERVE FIRE-RATING OF EXISTING WALLS.
- 3.0 ATTACH PIPING TO WALL WHERE POSSIBLE TO AVOID CONCERN WITH PLANK CEILING.
- 4.0 ALL CLOSET DOORS REMOVED BY CORNELL TO ALLOW SPRINKLER COVERAGE OF SPACE.
- 5.0 ANY HEADS ABANDONED ABOVE DROP CEILINGS TO BE REMOVED AND PIPE CAPPED.
- 6.0 CAREFULLY REMOVE AND SALVAGE SUSPENDED CEILING SYSTEM AS REQUIRED FOR MEPP WORK. REINSTALL SALVAGED CEILING GRID AND PANELS AFTER COMPLETION OF MEPP WORK. REPLACE ANY DAMAGED GRID AND CEILING PANELS IN KIND.
- 7.0 PAINT BLACK STEEL PIPE WITH THE FOLLOWING SYSTEM:
PRIMER: MPI #107
COAT 1 & 2: MPI 145, GLOSS LEVEL 3
COLOR TO MATCH ADJACENT FINISH.

FP-103 KEYED RENOVATION NOTES

- 1 ROOM IS FULLY-SPRINKLERED.
- 2 PROVIDE UPSIZED 2-1/2" SPRINKLER MAIN ROUTED IN THE SAME ORIENTATION AS PREVIOUSLY REMOVED. SMALLER SPRINKLER MAIN.
- 3 BATHROOM IS UNDER 55 SQ. FT. SPRINKLER HEAD IS NOT REQUIRED PER NFPA 13.
- 4 PROVIDE QUICK RESPONSE SPRINKLER HEAD.
- 5 PROVIDE QUICK RESPONSE SPRINKLER HEAD IN SAME ORIENTATION AS PREVIOUS.
- 6 PAINT EXPOSED SPRINKLER PIPING.



**FACILITIES
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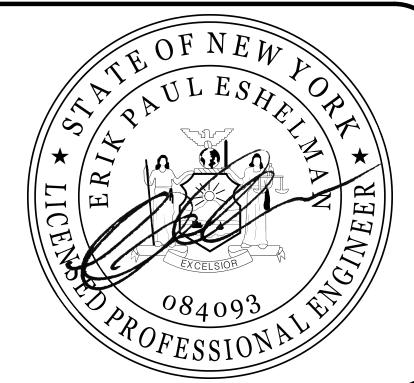
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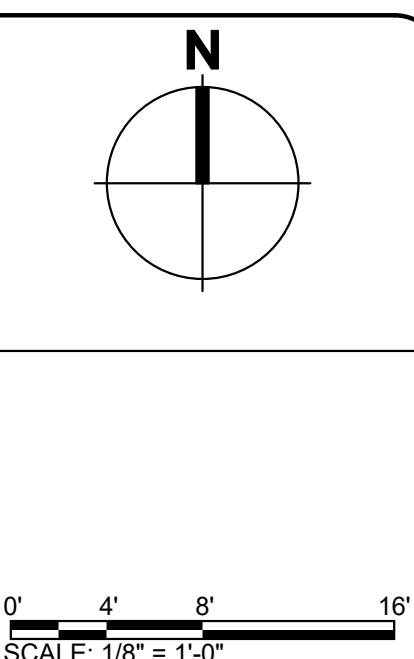
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MECHANICAL: *AS*



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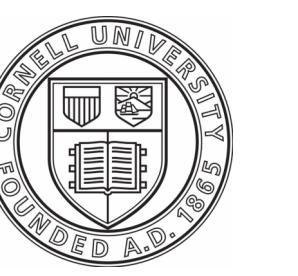
COLLEGE AVE
301 TURNOVER

DATE: JANUARY 23, 2026
FACILITY: 3927
DESIGN: T. JORDAN
DRAWN: FHS

**FIRE
PROTECTION
SECOND
THROUGH
FOURTH
FLOOR
RENOVATION
PLAN**

FP-103
17839620

ARCHIVE BAR CODE



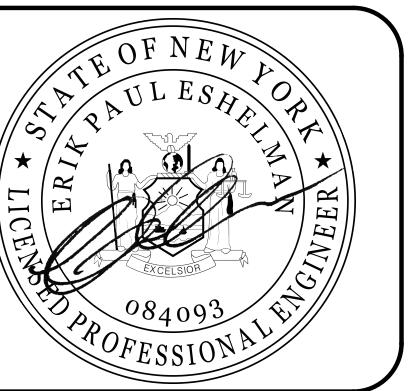
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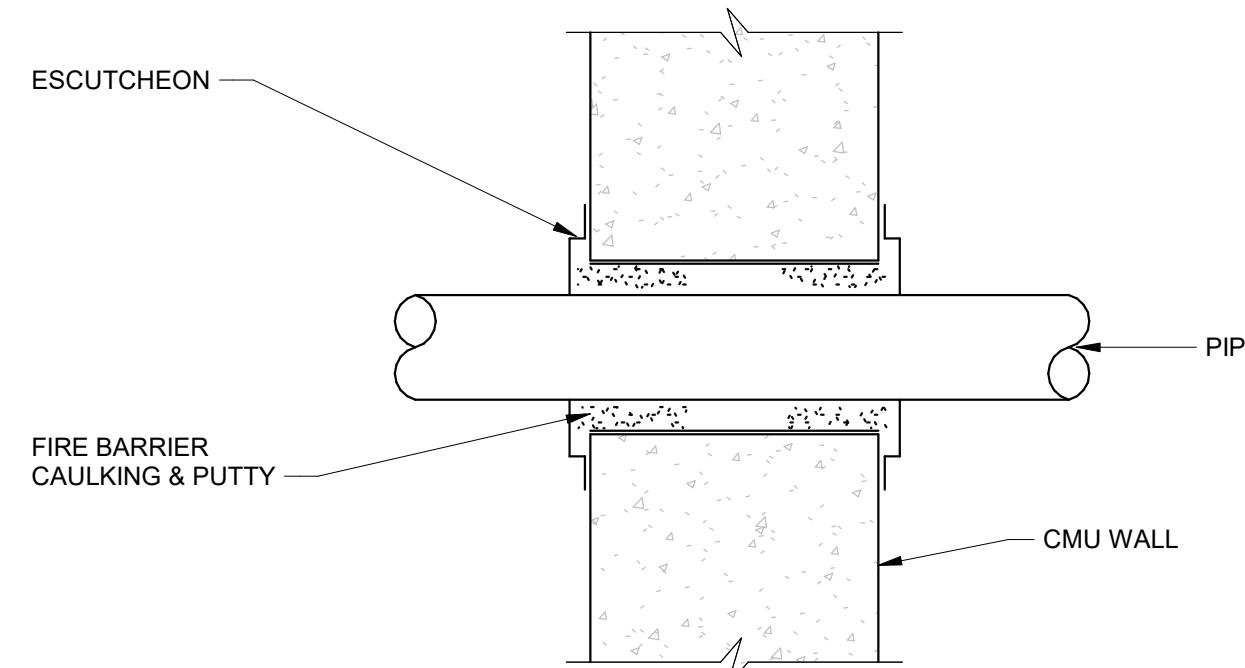
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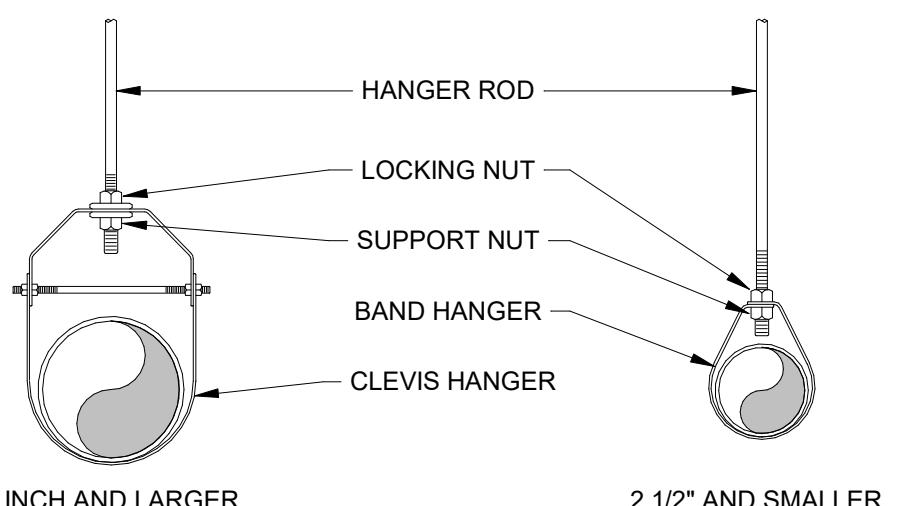
FIRE
PROTECTION
DETAILS

FP-401
17839620

ARCHIVE BAR CODE



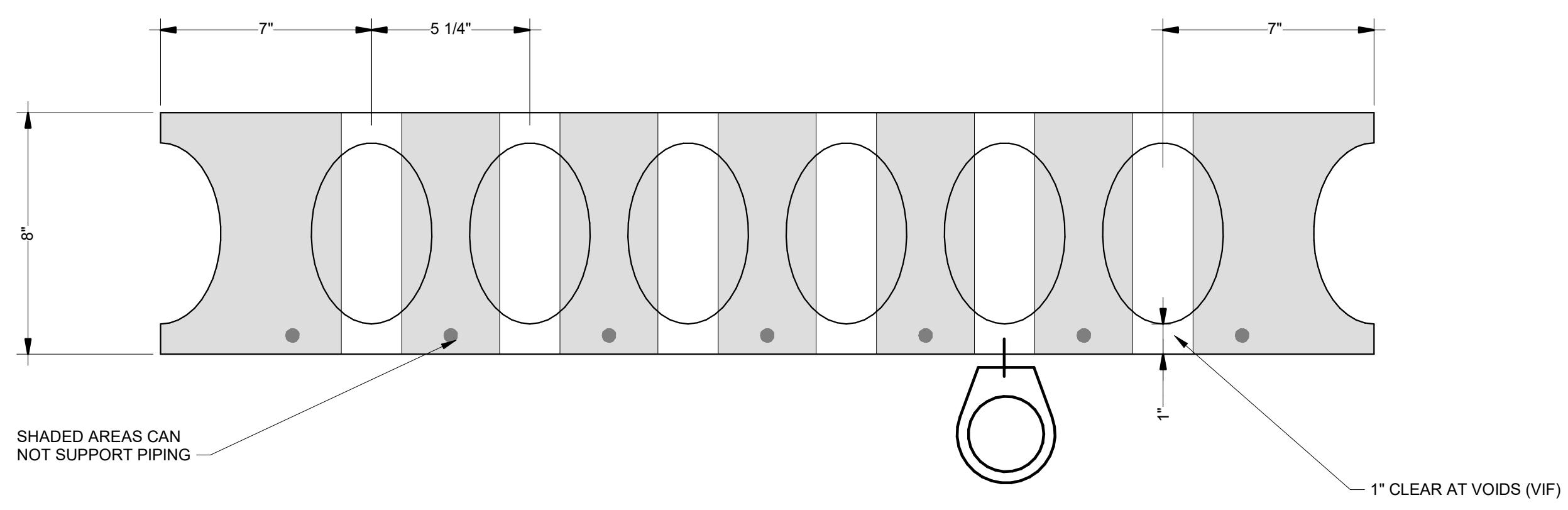
4 PIPE SLEEVE THROUGH EXISTING WALL
NOT TO SCALE



HANGER ROD SCHEDULE		HANGER ROD SPACING	
PIPE SIZE	ROD SIZE	PIPE SIZE	MAX. ALLOWED SPACING
UP TO 2"	3/8" DIA.	1"	7'
2 1/2" THRU 3"	1/2" DIA.	1 1/4"	8'
4" AND 5"	5/8"	1 1/2"	9'
		2"	10'
		2 1/2"	11'
		3" THRU 8"	12'

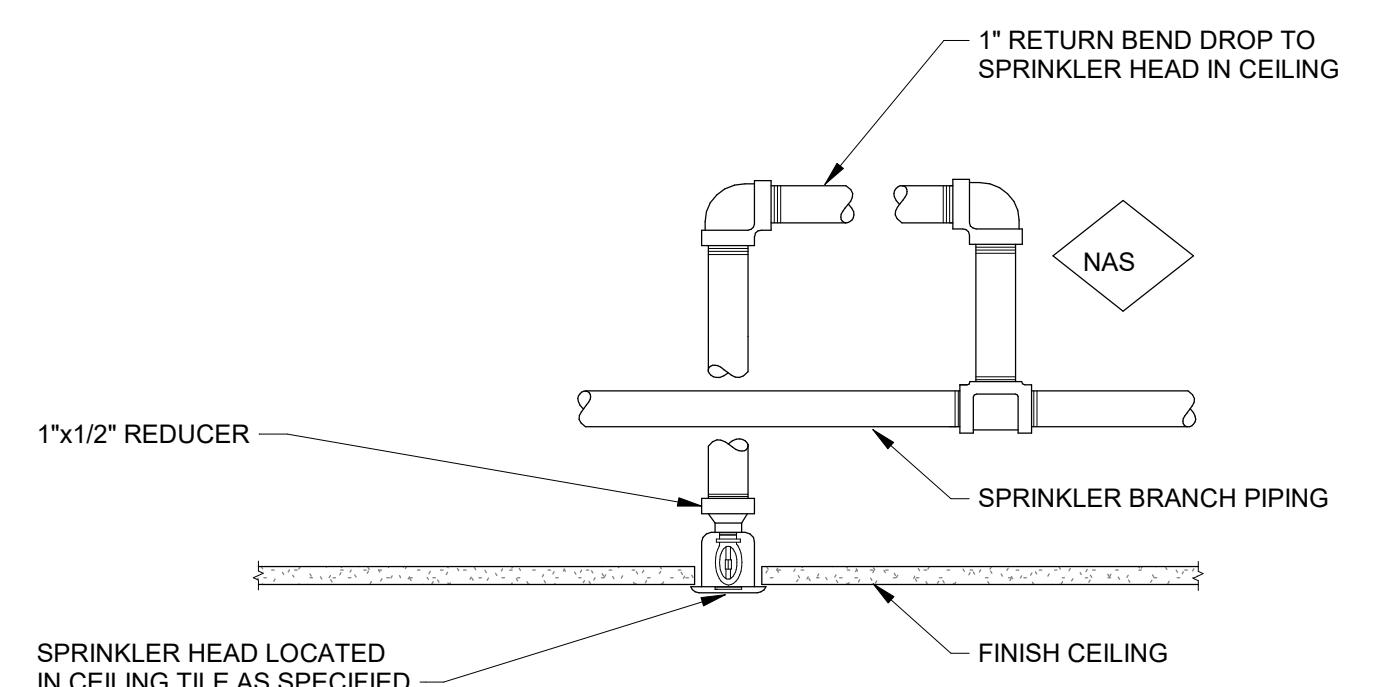
DESIGNER'S NOTE: PIPE SIZES SHOULD BE LEFT BLANK.

2 SPRINKLER PIPE HANGER INSTALLATION DETAIL
NOT TO SCALE



TYPICAL EXISTING PRECAST PLANK GEOMETRY (VIF)

3 EXISTING PRECAST PLANK CEILING DETAIL
NOT TO SCALE



1 CONCEALED SPRINKLER HEAD RETURN BEND DROP
NOT TO SCALE

FP-401
17839620

ELECTRICAL ABBREVIATIONS	
AC	AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT INTERRUPTER
AMM	ADDRESSABLE MONITOR MODULE
AOM	ADDRESSABLE OUTPUT MODULE
ARB	AUXILIARY RELAY BOARD
ATS	AUTOMATIC TRANSFER SWITCH
B	BASEBOARD
BKR	BREAKER
C	CONDUIT
CD	CANDELA
CKT	CIRCUIT
CR	CONTROL RELAY
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF STATION

ELECTRICAL ABBREVIATIONS	
FAA	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FSD	FIRE SMOKE DAMPER
GAA	GENERATOR ALARM ANNUNCIATOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
KW	KILOWATT
LC	LIGHTING CONTACTOR
LFMC	LIQUID TIGHT FLEXIBLE METALLIC CONDUIT
LTC	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MTS	MANUAL TRANSFER SWITCH
NAC	NOTIFICATION APPLIANCE CIRCUIT
NIC	NOT IN CONTRACT
OE	OVERHEAD ELECTRIC

ELECTRICAL ABBREVIATIONS	
PC	PHOTOCELL
PM	PLUGMOLD
PP	POWER PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
RGS	RIGID GALVANIZED STEEL CONDUIT
SR	SURFACE RACEWAY
ST	SHUNT TRIP
TM	THERMAL MAGNETIC
TR	TRIM/CASEWORK/WAINSCOTT
TSP	TWISTED SHIELDED PAIR
TYP	TYPICAL
UE	UNDERGROUND ELECTRIC
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPS
WP	WATERPROOF

LIGHTING LEGEND	
	LIGHT POLE WITH LED LUMINAIRES, REFER TO PLANS FOR NUMBER AND CONFIGURATION OF HEADS
	1x2' LUMINAIRE
	1x4' LUMINAIRE
	2x4' LUMINAIRE
	CEILING MOUNTED LUMINAIRE
	EM LIGHTING BATTERY UNIT
	COMBO EXIT SIGN/EM LIGHTING BATTERY UNIT
	SINGLE FACE, WALL MOUNT EXIT SIGN
	DOUBLE FACE, WALL MOUNT EXIT SIGN
	SINGLE FACE, CEILING MOUNT EXIT SIGN
	DOUBLE FACE, CEILING MOUNT EXIT SIGN
	WIRELESS OCCUPANCY SENSOR
	WIRELESS DAYLIGHT SENSOR
	LIGHT SWITCH: 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH D = DIMMER SWITCH O = OUTLET OCCUPANCY SENSOR V = WALL SWITCH VACANCY SENSOR W = WIRELESS SWITCH S = WIRELESS SCENE SWITCH
	EMERGENCY LIGHT FIXTURE

LINETYPES LEGEND	
	EXISTING TO REMAIN
	DEMOLITION / TO BE RELOCATED
	TO BE PROVIDED
	UNDERGROUND ELECTRIC
	UNDERGROUND LIGHTING
	UNDERGROUND TELCO
	OVERHEAD ELECTRIC

ELECTRICAL LEGEND	
	PANELBOARD
	JUNCTION BOX
	DUPLEX RECEPTACLE: B = INSTALLED IN BASEBOARD TR = INSTALLED IN WOOD TRIM/CASEWORK/WAINSCOTT SP = SURFACE MOUNTED WP = WATERPROOF AC = AIR CONDITIONER EM = EMERGENCY
	DUPLEX RECEPTACLE WITH GFCI PROTECTION
	DUPLEX RECEPTACLE WITH AFCI PROTECTION
	DOUBLE DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	5-30R SPECIAL RECEPTACLE
	MOTOR
	MOTOR STARTER
	HOMERUN TO PANEL P-1A, CIRCUIT #12. FED FROM 20A - 1P BREAKER IS INTENDED UNLESS NOTED OTHERWISE. RUN GREEN WIRE GROUND FOR ALL CIRCUITS. PROVIDE ONE GROUND PER CIRCUIT.
	HARDWIRED EQUIPMENT CONNECTION
	EMERGENCY POWER OFF (EPO)
	GROUND ROD ELECTRODE
	SAFETY SWITCH (NON-FUSED)
	SAFETY SWITCH (FUSED)
	CARD READER

IT/ COMMUNICATIONS LEGEND	
	DATA RECEPTACLE X = NUMBER OF CABLES TO BE PROVIDED
	WIRELESS ACCESS POINT OUTLET- CEILING MTD.
	WIRELESS ACCESS POINT OUTLET- WALL MTD.

MOUNTING HEIGHTS	
CARD READER	48" TOP OF BOX
LIGHT SWITCH	48" TOP OF BOX
RECEPTACLE	18" TOP OF BOX
DATA OUTLET	18" TOP OF BOX
TV OUTLET	84" TOP OF BOX
PHONE OUTLET	48" TOP OF BOX
SAFETY SWITCH	60" CENTERLINE OF HANDLE
MOTOR STARTER	60" CENTERLINE OF HANDLE
PANELBOARD	72" TOP OF PANELBOARD
MANUAL PULL STATION	48" OPERABLE HANDLE
NOTIFICATION APPLIANCE	80" BOTTOM OF LENS
DOOR HOLD OPEN	COORDINATE IN FIELD
EM BATTERY UNIT	96" BOTTOM OF UNIT
EM REMOTE UNIT	102" BOTTOM OF UNIT
EXIT SIGN	96" BOTTOM OF UNIT

FIRE ALARM LEGEND	
	FIRE ALARM CONTROL PANEL
	BATTERY CABINET
	MUXPAD
	FIRE ALARM CELLULAR COMMUNICATOR
	REMOTE ANNUNCIATOR
	NAC PANEL
	MANUAL PULL STATION
	SMOKE DETECTOR: D = DUCT SMOKE DETECTOR R = RELAY BASE BR = BEAM RECEIVER BT = BOTTLE TOP SB = SOUNDER BASE
	HEAT DETECTOR: F = FIXED TEMPERATURE R = RATE OF RISE RF = COMBINATION RISE/FIXED TEMPERATURE
	CARBON MONOXIDE DETECTOR
	WATER FLOW SWITCH
	TAMPER SWITCH
	ADDRESSABLE MODULE
	SUPPRESSION SYSTEM
	COMBO AV NOTIFICATION APPLIANCE: Xxxd = CANDELA C = CEILING
	VISUAL NOTIFICATION APPLIANCE: Xxxd = CANDELA C = CEILING
	AUDIBLE NOTIFICATION APPLIANCE
	MAGNETIC DOOR HOLDER

ELECTRICAL SCOPE OF WORK	
1.0	PROVIDE CODE-COMPLIANT UPGRADES TO THE EXISTING FIRE ALARM SYSTEM, EXISTING DEVICE LOCATIONS SHOWN. ADD NEW INITIATING AND NOTIFICATION DEVICES WHERE REQUIRED, AND REPROGRAM THE EXISTING CELLULAR DIALER TO REPORT TO CORNELL'S CENTRAL MONITORING STATION AT BARTON HALL IN ACCORDANCE WITH NFPA 72.

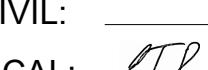
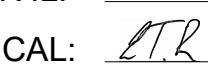
GENERAL ELECTRICAL NOTES

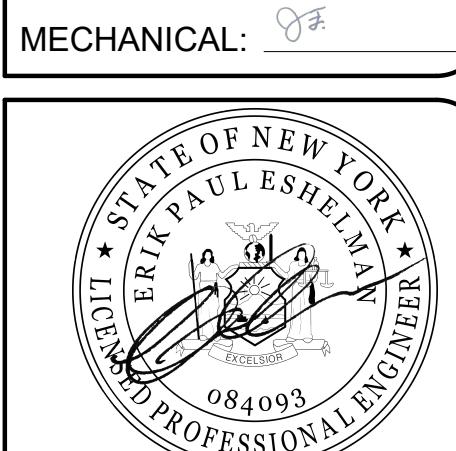
- ELECTRICAL SCHEMATICS INDICATED ON CONTRACT DOCUMENTS ARE DIAGRAMMATIC. IT IS NOT INTENDED TO SHOW EXACT OR MOST EFFICIENT ROUTING. VERIFY ALL DIMENSIONS AND FIELD CONDITIONS ON SITE. ANY CONFLICTS BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS SHALL BE BROUGHT TO CORNELL'S PROJECT MANAGER FOR RESOLUTION BEFORE WORK PROCEEDS.
- ASSURE PUBLIC AND WORKER SAFETY AT ALL TIMES. PROTECT ADJOINING AREAS FROM DAMAGE AND DUST. REMOVE ALL DEBRIS FROM SITE AND DISPOSE OF WASTE MATERIAL IN A SAFE MANNER. KEEP THE PREMISES FREE OF DEBRIS FROM THE EXECUTION OF WORK. DELIVER A FINAL PRODUCT THAT IS CLEAN AND OPERABLE.
- FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND/OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.
- WORK SHALL BE COMPLETED AS SPECIFIED AND INDICATED ON CONTRACT DOCUMENTS. ANY SUGGESTED ALTERNATE MANUFACTURER OR METHOD OF INSTALLATION SHALL BE SUBMITTED TO PROJECT ENGINEER FOR APPROVAL PRIOR TO ORDERING ANY MATERIALS OR COMMENCING EXECUTION OF WORK.
- GROUNDING SHALL BE IN STRICT ACCORDANCE WITH NEC ARTICLE 250. PROVIDE EQUIPMENT GROUND CONDUCTOR WITH EACH BRANCH CIRCUIT INDICATED ON CONTRACT DOCUMENTS. EQUIPMENT GROUND CONDUCTOR SHALL BE ROUTED WITH ASSOCIATED PHASE CONDUCTORS.
- PROVIDE A NEW TYPED PANELBOARD DIRECTORY FOR EACH PANELBOARD. LABEL ALL NEW DEVICE FACEPLATES WITH SOURCE AND CIRCUIT NUMBER. PROVIDE PERMANENT LABEL ON SWITCHING DEVICES INDICATING EQUIPMENT SERVICE AND INVENTORY NUMBERS. COORDINATE EQUIPMENT INVENTORY NUMBERS WITH CORNELL UNIVERSITY'S MECHANICAL SHOP. 607-255-6667.
- CIRCUITS RATED 20-AMP, 120 VOLT SHALL CONTAIN SEPARATE NEUTRAL CONDUCTORS.
- CONDUCTORS SHALL BE A MINIMUM OF 12AWG, STRANDED COPPER, 90 DEGREE C, TYPE THHN/THWN-2 FOR DRY AREAS AND XHHW-2 FOR WET AREAS.
- CONDUITS SHALL BE A MINIMUM OF 3/4 INCHES DIAMETER. CONDUITS SHALL BE ELECTRICAL METALLIC TUBING (EMT) AND SURFACE MOUNTED UNLESS NOTED OTHERWISE.
- AIC RATING OF NEW CIRCUIT BREAKERS SHALL MATCH RATING OF RESPECTIVE PANELBOARD. SIZE AS INDICATED.
- PROVIDE PULL STRING THROUGH NEW CONDUIT AND BOXES. PROVIDE SUPPORT HANGERS FOR CONDUIT AS NEEDED.
- INSTALL RACEWAY SYSTEMS ENSURING PROPER ACCESS TO EQUIPMENT AND DEVICES WITH SUFFICIENT SPACE TO PERFORM ROUTINE MAINTENANCE AND REPAIR. RACEWAYS THAT ARE NOT INSTALLED WITH THIS REQUIREMENT IN MIND SHALL BE RELOCATED AT NO EXPENSE TO THE UNIVERSITY UNTIL DEFICIENCIES ARE CORRECTED.
- CONTRACTOR SHALL ROUTE CONDUIT AND WIRING WITHIN WALLS WHERE FEASIBLE. UNLESS OTHERWISE NOTED OR REQUIRED BY EXISTING CONDITIONS, SURFACE-MOUNTED CONDUIT IS ACCEPTABLE IN UNFINISHED SPACES. ANY CONDUIT EXPOSED IN FINISHED SPACES SHALL BE PAINTED TO MATCH EXISTING ADJACENT FINISHES.

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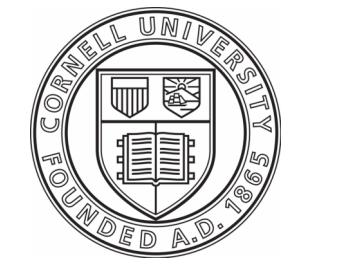
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1 12/12/25 ISSUE FOR PERMIT

2 01/23/26 ISSUE FOR CONSTRUCTION

301 COLLEGE AVENUE
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COLLEGE AVE
301 TURNOVER

DATE: JANUARY 23, 2026
FACILITY: 392



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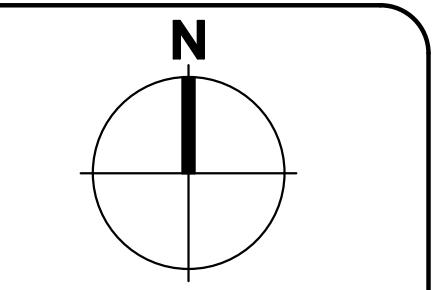
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0' 4' 8' 16'
SCALE: 1/8" = 1'-0"

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301 TURNOVER

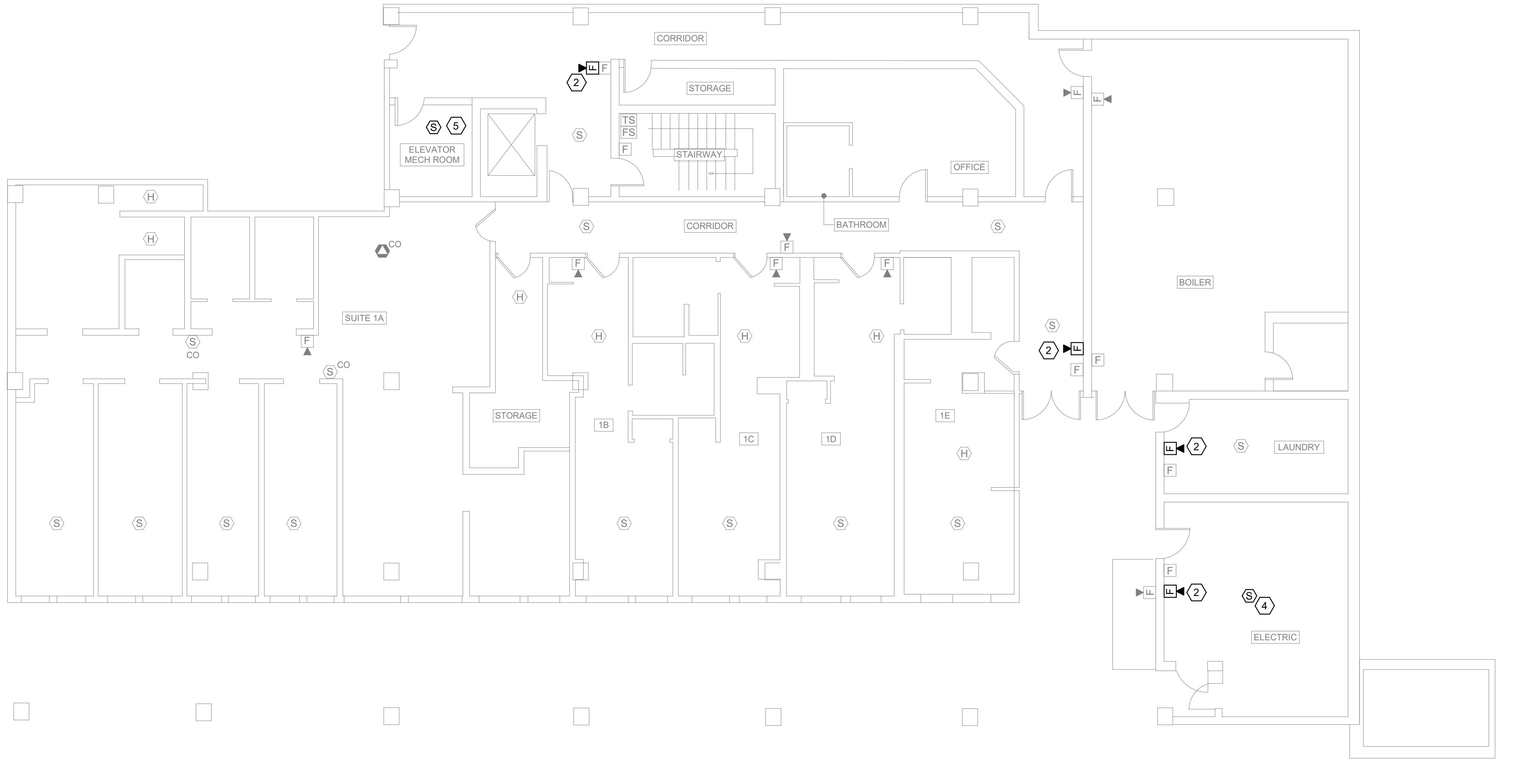
DATE:	JANUARY 23, 2026
FACILITY:	3927
DESIGN:	M. SCHOLENO
DRAWN:	MPS

**FIRE ALARM
GROUND FLOOR
RENOVATION
PLAN**

E-101
17839620

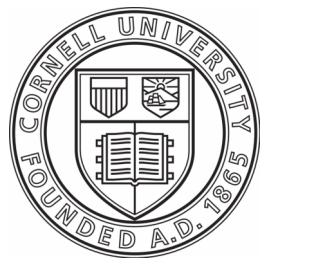
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#	E-101 KEYED RENOVATION NOTES
1	NOT USED
2	PROVIDE FIRE ALARM NOTIFICATION DEVICE AS INDICATED AND TIE TO NEAREST NOTIFICATION CIRCUIT PER NFPA 72. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED IN ACCORDANCE WITH NFPA 72 AND THE NEW YORK STATE BUILDING CODE REQUIREMENTS. MATCH EXISTING WIRING TYPE. ALL NEW WORK SHALL BE INSTALLED IN 3/4" EMT CONDUIT UNLESS NOTED OTHERWISE.
3	NOT USED
4	PROVIDE A SMOKE DETECTOR PER NYS FIRE CODE AND NFPA 72, AND CONNECT TO THE NEAREST INITIATING CIRCUIT. COORDINATE DEVICE TYPE AND LOCATION WITH THE AHU AND ENGINEER OF RECORD. MATCH EXISTING WIRING TYPE. ALL NEW WORK SHALL BE INSTALLED IN 3/4" EMT CONDUIT UNLESS NOTED OTHERWISE.
5	PROVIDE A SMOKE DETECTOR IN THE ELEVATOR MACHINE ROOM TO INITIATE ELEVATOR RECALL IN ACCORDANCE WITH NY STATE FIRE CODE SECTION AND NFPA 72 AND CONNECT IT TO THE NEAREST INITIATING CIRCUIT. MATCH EXISTING WIRING TYPE. ALL NEW WORK SHALL BE INSTALLED IN 3/4" EMT CONDUIT UNLESS NOTED OTHERWISE.



1 GROUND FLOOR RENOVATION PLAN
SCALE: 1/8" = 1'-0"

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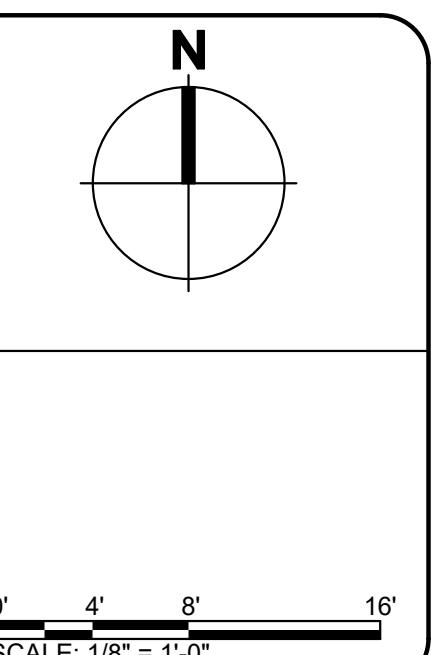
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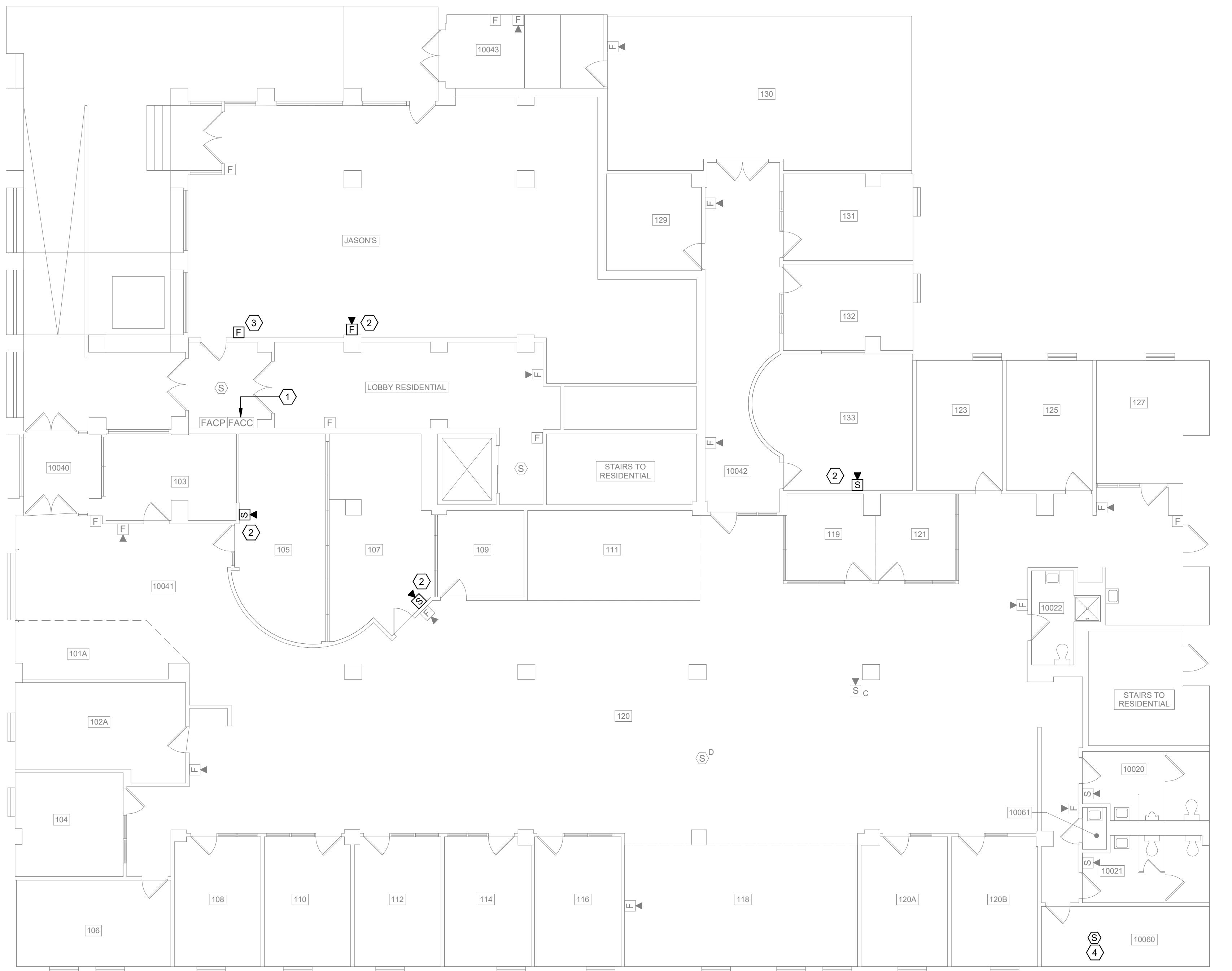
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DATE: JANUARY 23, 2026
FACILITY: 3927
DESIGN: M. SCHOLENO
DRAWN: MPS

FIRE ALARM
FIRST FLOOR
RENOVATION
PLAN

E-102
17839620

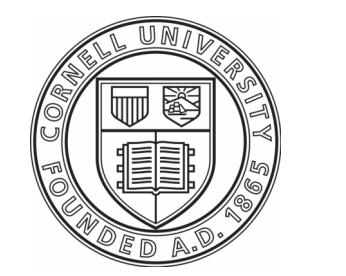
ARCHIVE BAR CODE



1 FIRST FLOOR RENOVATION PLAN
SCALE: 1/8" = 1'-0"

#	E-102 KEYED RENOVATION NOTES
1	REPROGRAM EXISTING FIRE ALARM CELLULAR DIALER TO COMMUNICATE WITH CORNELL PUBLIC SAFETY AT BARTON HALL. VERIFY PROPER OPERATION PER NFPA 72 AND CORNELL STANDARDS.
2	PROVIDE FIRE ALARM NOTIFICATION DEVICE AS INDICATED AND TIE TO NEAREST NOTIFICATION CIRCUIT PER NFPA 72. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED IN ACCORDANCE WITH NFPA 72 AND THE NEW YORK STATE BUILDING CODE REQUIREMENTS. MATCH EXISTING WIRING TYPE. ALL NEW WORK SHALL BE INSTALLED IN 3/4" EMT CONDUIT UNLESS NOTED OTHERWISE.
3	PROVIDE FIRE ALARM PULL STATION WITHIN 5' OF ENTRANCE AND CONNECT TO NEAREST INITIATION CIRCUIT FROM THE FIRE ALARM PANEL. MATCH EXISTING WIRING TYPE. ALL NEW WORK SHALL BE INSTALLED IN 3/4" EMT CONDUIT UNLESS NOTED OTHERWISE.
4	PROVIDE A SMOKE DETECTOR PER NYS FIRE CODE AND NFPA 72, AND CONNECT TO THE NEAREST INITIATING CIRCUIT. COORDINATE DEVICE TYPE AND LOCATION WITH THE AHU AND ENGINEER OF RECORD. MATCH EXISTING WIRING TYPE. ALL NEW WORK SHALL BE INSTALLED IN 3/4" EMT CONDUIT UNLESS NOTED OTHERWISE.

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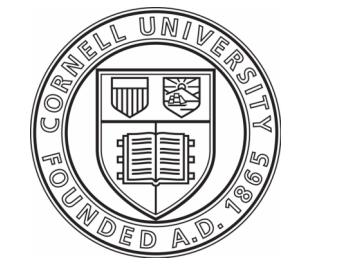
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201

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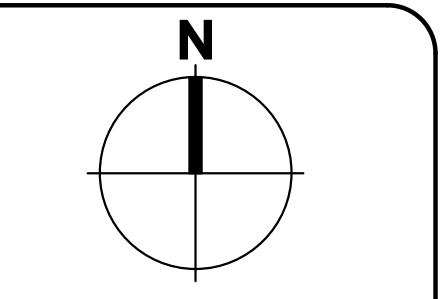
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0' 4' 8' 12' 24'
SCALE: 3/32" = 1'-0"

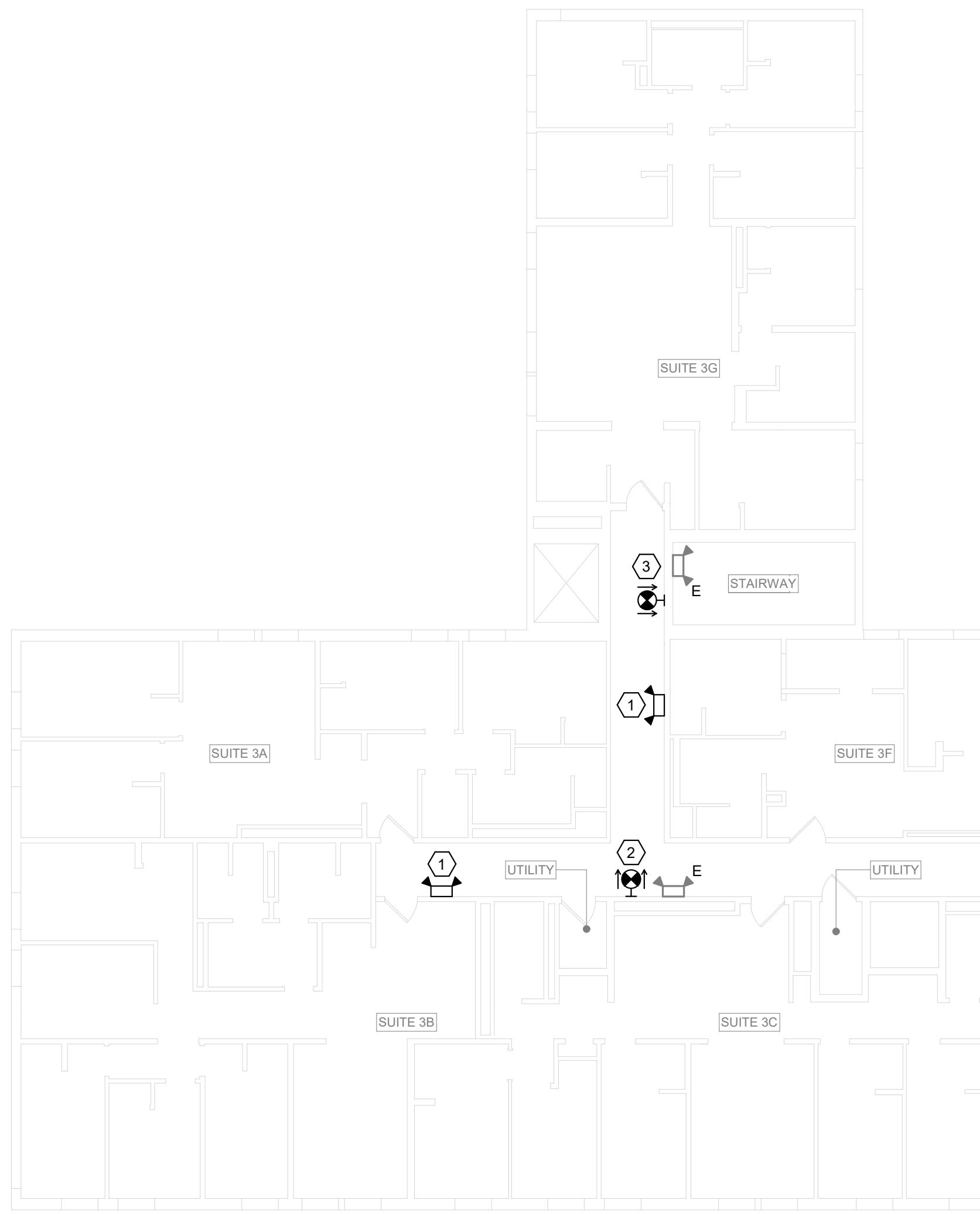
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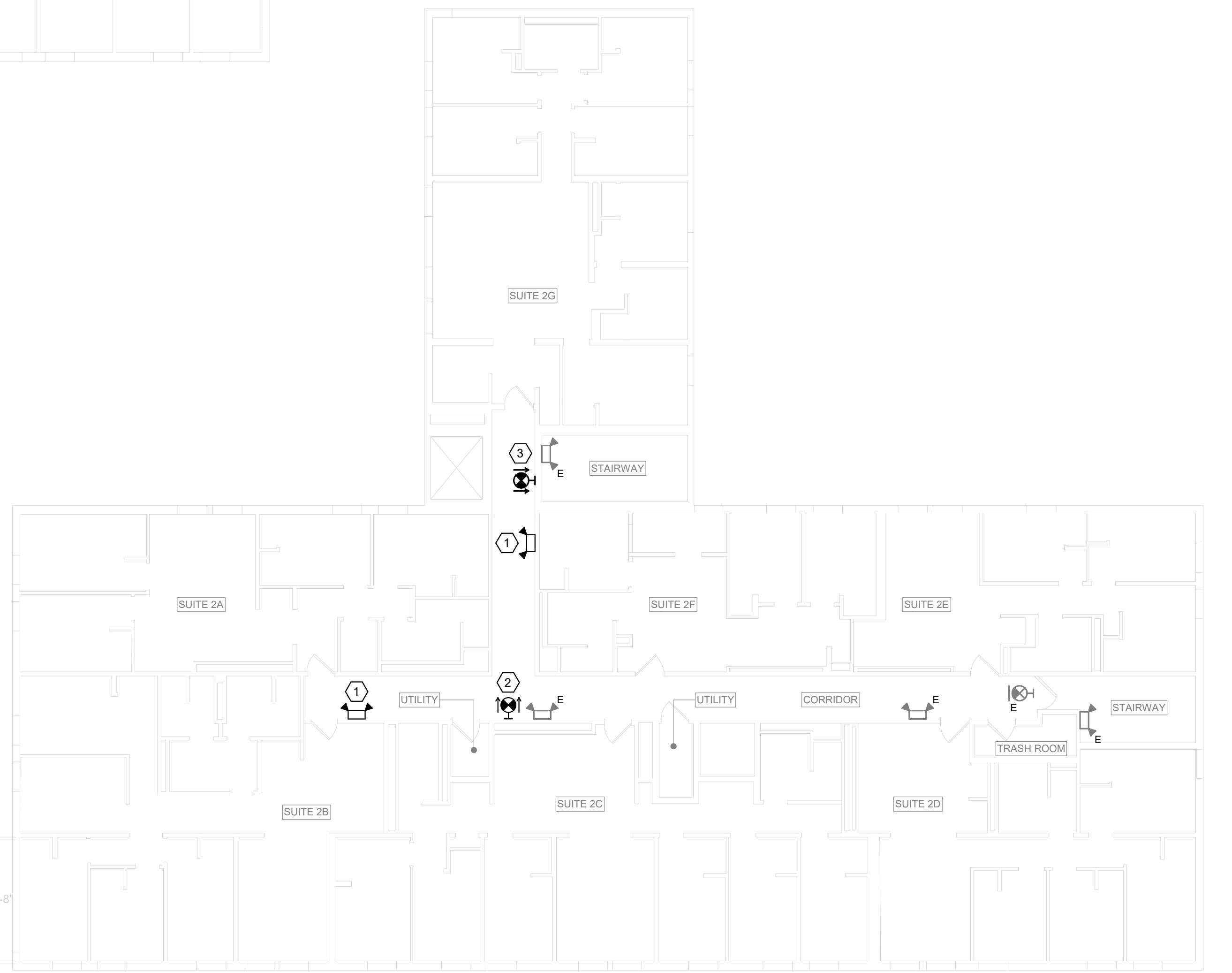
DATE: JANUARY 23, 2026
FACILITY: 3927
DESIGN: C. WAYMAN
DRAWN: CMW

2ND AND 3RD
FLOOR EM
LIGHTING AND
EXIT SIGN PLANS

ARCHIVE BAR CODE
E-202
17839620

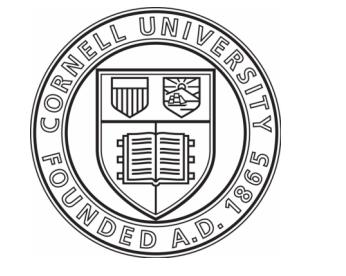


2 THIRD FLOOR EM LIGHTING AND EXIT SIGN PLAN
SCALE: 3/32" = 1'-0"



1 SECOND FLOOR EM LIGHTING AND EXIT SIGN PLAN
SCALE: 3/32" = 1'-0"

#	E-202 KEYED RENOVATION NOTES
1	PROVIDE A LED, BATTERY-OPERATED EMERGENCY LIGHTING UNIT: SURE-LITES MODEL SEL25-SD WITH SELF-DIAGNOSTICS. CONNECT TO THE UNSWITCHED LIGHTING BRANCH CIRCUIT SERVING THE SPACE THE UNIT IS INSTALLED AND CIRCUIT WITH #12, #12G, 3/4" EMT FOR POWER SENSING AND BATTERY CHARGING. MATCH ELEVATION OF ADJACENT EMERGENCY LIGHTING UNITS. CONCEAL BRANCH CIRCUITRY ABOVE FINISHED CEILINGS AND WALLS.
2	PROVIDE A DOUBLE-SIDED, LED, BATTERY-OPERATED EXIT SIGN: SURE-LITES MODEL LPX7RSF. CONNECT TO THE UNSWITCHED LIGHTING BRANCH CIRCUIT SERVING THE SPACE THE UNIT IS INSTALLED AND CIRCUIT WITH #12, #12G, 3/4" EMT FOR POWER SENSING AND BATTERY CHARGING. CONCEAL BRANCH CIRCUITRY ABOVE FINISHED CEILINGS AND WALLS.
3	REPLACE THE WALL-MOUNTED EXIT SIGN AT THIS LOCATION WITH A SURE-LITES DOUBLE-SIDED, LED, BATTERY-OPERATED EXIT SIGN: SURE LITES MODEL LPX7RSF. MODIFY/EXTEND EXISTING LIGHTING BRANCH CIRCUITRY TO NEW UNIT.



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ENGINEERING

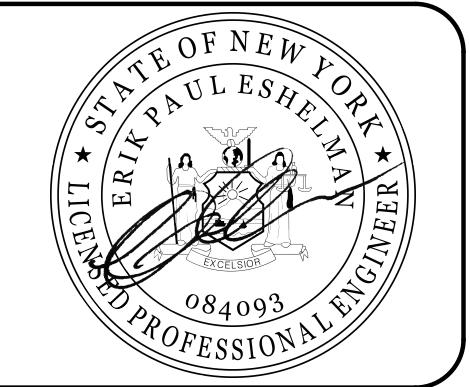
WWW.FCS.CORNELL.EDU

ARCHITECTURE, AND CIVIL
ELECTRICAL, ENVIRONMENTAL,
AND MECHANICAL ENGINEERING

201 HUMPHREYS SERVICE BLDG.
ITHACA, NEW YORK 14853-3701

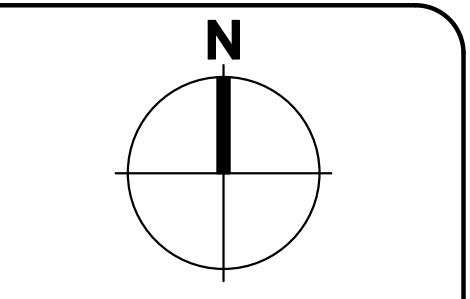
WARNING
IT IS A VIOLATION OF NEW YORK STATE LAW FOR
ANY PERSON, UNLESS ACTING UNDER THE
DIRECTION OF A LICENSED ARCHITECT OR
ENGINEER, TO MAKE ANY CHANGES OR ALTERATIONS
TO THIS DOCUMENT IN ANY WAY. IF THIS DOCUMENT IS ALTERED, THE
ALTERING ARCHITECT OR ENGINEER SHALL AFFIX
TO THE ALTERATION A SIGNATURE AND THE
NOTATION "ALTERED BY" FOLLOWED BY THEIR
SIGNATURE, THE DATE OF SUCH ALTERATION, AND
A SPECIFIC DESCRIPTION OF THE ALTERATION.

ARCH/ CIVIL:
ELECTRICAL: *ATR*
MECHANICAL: *SG*



REVISIONS

1 12/12/25 ISSUE FOR PERMIT
2 01/23/26 ISSUE FOR CONSTRUCTION



0' 4' 8' 12' 24'
SCALE: 3/32" = 1'-0"

301 COLLEGE AVENUE
ITHACA, NEW YORK 14850

COLLEGE AVE
301 TURNOVER

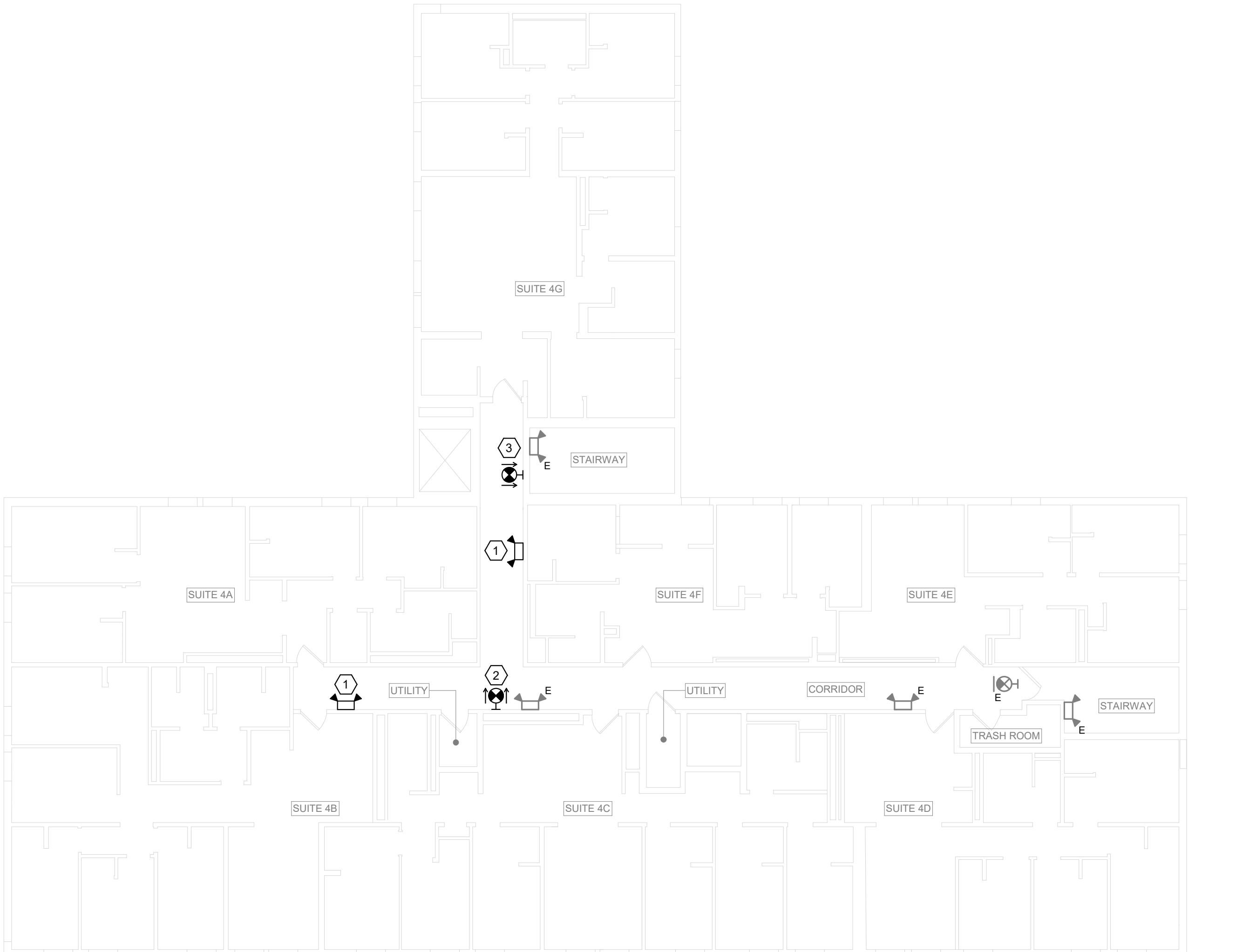
DATE: JANUARY 23, 2026
FACILITY: 3927
DESIGN: C. WAYMAN
DRAWN: CMW

4TH FLOOR EM
LIGHTING AND
EXIT SIGN PLAN

E-203
17839620

ARCHIVE BAR CODE

#	E-203 KEYED RENOVATION NOTES
1	PROVIDE A LED, BATTERY-OPERATED EMERGENCY LIGHTING UNIT: SURE-LITES MODEL SEL25-SD WITH SELF-DIAGNOSTICS. CONNECT TO THE UNSWITCHED LIGHTING BRANCH CIRCUIT SERVING THE SPACE THE UNIT IS INSTALLED AND CIRCUIT WITH #12, 1#12G, 3/4" EMT FOR POWER SENSING AND BATTERY CHARGING. MATCH ELEVATION OF ADJACENT EMERGENCY LIGHTING UNITS. CONCEAL BRANCH CIRCUITRY ABOVE FINISHED CEILINGS AND WALLS.
2	PROVIDE A DOUBLE-SIDED, LED, BATTERY-OPERATED EXIT SIGN: SURE-LITES MODEL LPX7RSF. CONNECT TO THE UNSWITCHED LIGHTING BRANCH CIRCUIT SERVING THE SPACE THE UNIT IS INSTALLED AND CIRCUIT WITH #12, 1#12G, 3/4" EMT FOR POWER SENSING AND BATTERY CHARGING. CONCEAL BRANCH CIRCUITRY ABOVE FINISHED CEILINGS AND WALLS.
3	REPLACE THE WALL-MOUNTED EXIT SIGN AT THIS LOCATION WITH A SURE-LITES DOUBLE-SIDED, LED, BATTERY-OPERATED EXIT SIGN: SURE LITES MODEL LPX7RSF. MODIFY/EXTEND EXISTING LIGHTING BRANCH CIRCUITRY TO NEW UNIT.



1 4TH FLOOR EM LIGHTING AND EXIT SIGN PLAN
SCALE: 3/32" = 1'-0"