



Stimson Hall Renovations for McGraw Enabling

100% Construction Documents February 16, 2024

204 Feeney Way
Ithaca, NY 14853

SWBR Project # 23170.00

DRAWING INDEX

- 00-General

G-000
G-001
G-002
G-003
G-004
G-005

Cover Sheet
General Notes and Legends
Code Compliance Drawings and Fire Safety Plans
Code Compliance Plans
Code Compliance Plans
Site Plan & Logistics Plan
- 01-Hazardous Material

AR-101
AR-102
AR-103

First Floor Asbestos Abatement Plan and Notes
Second Floor Asbestos Abatement Plan
Third Floor Asbestos Abatement Plan
- 03-Architectural

A-101
A-102
A-103
A-111
A-112
A-113
A-140
A-421
A-501
A-601
I-100

First Floor Demolition Plan & Elevations
Second Floor Demolition Plan
Third Floor Demolition Plan & Elevations
First Floor Plan, Ground and First Floor Reflected Ceiling Plans
Second Floor Plan
Third Floor Plan
Partial First, Second Floor and Third Finish Plans
Interior Elevations
Details
Schedules and Details
Furniture Plans - Reference Only
- 04-Fire Protection

FAD-100
FA-100
FP-000
FP-100

Partial Fire Alarm Plans - Demolition
Partial Fire Alarm Plans - New Work
Fire Protection Notes, Legends, and Abbreviations
Fire Protection Partial Floor Plans

DRAWING INDEX

- 05-Plumbing

P-000
PD-100
P-100

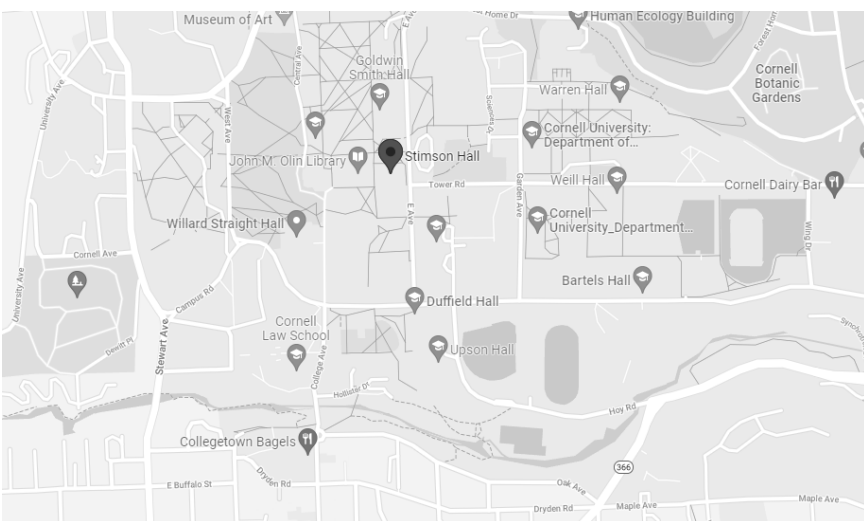
Plumbing Notes, Legends, and Abbreviations
Plumbing Partial Floor Plan Demolition Plan
Plumbing Partial Third Floor Plan
- 06-Mechanical

M-000
MD-100
MD-101
MD-103
M-101
M-200
M-201
M-500
M-700

Mechanical Notes, Legends, and Abbreviations
Mechanical Ground Floor Demolition Plan
Mechanical First Floor Demolition Plan
Mechanical Third Floor Demolition Plan
Mechanical First Floor Plan
Mechanical Ground Floor Piping Plan
Mechanical First Floor Piping Plan
Mechanical Details
Mechanical Schedules
- 07-Electrical

E-000
ED-101
ED-103
E-001
E-101
E-103
E-500
ETD-100
ET-100

Electrical Symbols, Notes & Abbreviations
Partial First Floor Electrical Plans - Demolition
Partial Third Floor Electrical Plan - Demolition
Electrical Key Plans
Partial First Floor Plans - New Work
Partial Third Floor Electrical Plans - New Work
Schedules, Details & Risers
Partial Telecom Plans - Demolition
Partial Telecom Plans - New Work



Regional Map



Location Map

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Checked By: LHW
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Revisions

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SWBR Project Number 23170.00

Cornell University
Ithaca, NY 14853

G-000

Cover Sheet

February 16, 2024
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Drawing symbols

<div>View title</div> <div><div><div>Detail no.</div><div><div>X</div><div>Title</div></div><div>SCALE: X"=1'-0"</div></div></div>	<div>Exterior elevation</div> <div><div>Elevation no.</div><div><div><div>X</div><div>A-XXX</div></div><div>Drawing no.</div></div></div>	<div><div><div>100</div><div>OR</div><div>100 A</div></div><div>Door numbers</div></div> <div><div><div>101</div></div><div>Window type</div></div> <div><div><div>101</div></div><div>Room number</div></div>
<div>Building / wall section cut</div> <div><div><div>Detail no.</div><div><div>X</div><div>A-XXX</div></div><div>Drawing no.</div></div><div>Viewing direction</div></div>	<div>Interior elevations</div> <div><div>Elevation no.</div><div><div><div>1</div><div>2</div><div>3</div><div>4</div></div><div>A-XXX</div><div>Drawing no.</div></div></div>	<div><div><div>1</div></div><div>Revision</div></div> <div><div><div>C12</div><div>OR</div><div>C12 A</div></div><div>Partition type</div></div> <div><div><div>1</div></div><div>Plan key note</div></div> <div><div><div>1</div></div><div>Demolition key note</div></div> <div><div><div>8'-0" AFF</div></div><div>Ceiling type and height</div></div>
<div>Detail section cut</div> <div><div><div>Detail no.</div><div><div>X</div><div>A-XXX</div></div><div>DRAWING NO.</div></div><div>Viewing direction</div></div>	<div>Structural grid</div> <div><div><div>1</div><div>2</div><div>3</div></div><div>A</div><div>B</div></div>	
<div>Detail - blow up</div> <div><div><div>Detail no.</div><div><div>X</div><div>A-XXX</div></div><div>Drawing no.</div></div></div>	<div>Accessibility</div> <div><div><div>V</div><div>H</div><div>A</div><div>U</div></div><div>Visual / hearing accommodation unit</div></div> <div><div><div>Accessible unit</div></div></div>	

Material symbols

	Undisturbed earth		Steel - large scale (Other metals as noted)		Batt insulation
	Gravel or crushed stone (Other metals as noted)		Steel - small scale (Other metals as noted)		Rigid insulation
	Stone		Wood framing (continuous)		Wood blocking (intermittent)
	Concrete		Plywood		
	Concrete masonry unit		Gypsum, sand, mortar		
	Brick				

Architectural / Structural abbreviations

AB Anchor bolt	DWV Drainage waste & vent	LH Left hand, Latent heat	RF Resilient flooring
ACC Accessible	DWG Drawing	LIN Linear	RFG Roofing
ACCU Air conditioned (ing) (ed)	DWL Locker	LN Right hand, Roof hatch	RM Room
ACCU Air cooled condensing unit	E East	LL Live load	RO Roof opening
ACT American Concrete Institute	EACH Each	LV Long leg vertical	ROW Right of way
ACT Acoustical ceiling tile	EBONYS Existing Building Code of New York State	LV Long leg vertical	RTU Roof top unit
ACM Asbestos containing material	EC Electrical contractor	LOC Location	RV Roof vent
ACCPM Acoustical panel	EF Each face	LRD Load & resistance factor design	RWB Rubber wall base
ACS PNL Access panel	EIFS Expansion joint	LT Light	S Siding
ADJ Adjustable, adjacent	ELAS Elastic	LWC Light-weight concrete	SAB Sound attenuation batts
ADH Adhesive	ELC Electrical	LIT Lighting	SAN Sanitary
AFF Above finished floor	ELEV Elevator	MAINT Maintenance	SC Solid core, Shading coefficient
AGGR Aggregate	EMER Emergency	MAS Masonry	SCHED Schedule
AI Air handling unit	EMUL Entry mat, Expanded metal	SEAL Sealer on floor (finish)	SECT Section
AI American Institute of Steel Construction	ENCL Enclosure	SECT Section	SFRM Sprayed fire-resistive material
AI American Iron and Steel Institute	ENGR Engineer	SFRM Sprayed fire-resistive material	SGT Structural glazed tile
ALU Aluminum	EQS Edge of slab	SGT Structural glazed tile	SHR Shower
ANOD Anodized	EP Electric panel	SHR Shower	SHR Shower
APPROX Approximate	EQU Equipment	SHR Shower	SHR Shower
ARCH Architectural	EQUIP Equipment	SHR Shower	SHR Shower
ASD ASD	ETC Exhaust	SHR Shower	SHR Shower
ASTM American Society for Testing and Materials	ETR Existing to remain	SHR Shower	SHR Shower
AWP Acoustical wall panel	EWV Electric water cooler	SHR Shower	SHR Shower
AWS American Welding Society	BATT Batt	SHR Shower	SHR Shower
B Back to back	EXC Excavation, Excavate	SHR Shower	SHR Shower
BIB Base lead	EXP Expand, Expansion	SHR Shower	SHR Shower
BCNYS Building Code of New York State	EXT Exterior, External, Extinguisher	SHR Shower	SHR Shower
BLUM Blum	FF Face to face	SHR Shower	SHR Shower
BD Board	FAFP Fire alarm annunciator panel	SHR Shower	SHR Shower
BLDG Building	FACP Fire alarm control panel	SHR Shower	SHR Shower
BLKG Blocking	FD Floor drain	SHR Shower	SHR Shower
BM Beam, Benchmark	FDN Foundation	SHR Shower	SHR Shower
BT Bottom	FE Fire extinguisher	SHR Shower	SHR Shower
BR Bedroom	FEC Fire extinguisher cabinet	SHR Shower	SHR Shower
BR Bearing	FH Fire hose cabinet	SHR Shower	SHR Shower
BRZ Bronze	FN Finished	SHR Shower	SHR Shower
BSMT Basement	FL Future	SHR Shower	SHR Shower
BTWN Between	FLASH Flashing	SHR Shower	SHR Shower
BW Built up roofing	FLEX Flexible	SHR Shower	SHR Shower
BW Both ways	FLUOR Fluorescent	SHR Shower	SHR Shower
CCTV Closed circuit television	FLG Flooring, flange	SHR Shower	SHR Shower
CAB Cabinet	FO Finished opening	SHR Shower	SHR Shower
CB Catch basin, Corner bead	FP Fire protection, Fireproof	SHR Shower	SHR Shower
CH Chalkboard	FRW Fire resistant treated wood	SHR Shower	SHR Shower
CH BD Cement	FT Foot, Feet	SHR Shower	SHR Shower
CM Contractor furnished	FTD Footing	SHR Shower	SHR Shower
CFMF Cold-formed metal framing	FTL Finned tube radiation	SHR Shower	SHR Shower
CFDI Contractor furnished/ Contractor installed	FURN Furnace, Furnture, Furnish	SHR Shower	SHR Shower
CFDI Contractor furnished/ Owner installed	FUT Future	SHR Shower	SHR Shower
CG Corner guard	FWC Fabric wall covering	SHR Shower	SHR Shower
CH Cast hook	GAL Galvanized	SHR Shower	SHR Shower
CI Cast iron	GAL Gallon	SHR Shower	SHR Shower
OP Cast in place, Cast iron pipe	GALV Galvanized	SHR Shower	SHR Shower
CJ Control joint	GB Grab bar	SHR Shower	SHR Shower
CL Carline	GC General contractor	SHR Shower	SHR Shower
CL Ceiling	GFR Glass fiber reinforced concrete	SHR Shower	SHR Shower
CLO Closet	GLR Glass fiber reinforced gypsum	SHR Shower	SHR Shower
CLS Clear, Color	GLS Glass, Ground level	SHR Shower	SHR Shower
CMT Ceramic mosaic tile	GLB Glass	SHR Shower	SHR Shower
CMU Concrete masonry unit	GLULAM Glued laminated beam	SHR Shower	SHR Shower
CNTR Counter	GR Grade, Gross	SHR Shower	SHR Shower
CO Closed, Closed opening, Company	GYP Gypsum	SHR Shower	SHR Shower
COL Column	GYP BD Gypsum board	SHR Shower	SHR Shower
CONC Concrete	GYP PLAS Gypsum plaster	SHR Shower	SHR Shower
CONN Connection	HB Hose bibb	SHR Shower	SHR Shower
CONSTR Construction	HC Hollow core, Hose cabinet	SHR Shower	SHR Shower
CONT (Continued)	HCP Handicapped	SHR Shower	SHR Shower
CONTR (Contractor)	HOW Handover	SHR Shower	SHR Shower
COORD Coordinate	HPT Hardwood	SHR Shower	SHR Shower
CS Construction joint	HO Hold open	SHR Shower	SHR Shower
CSK Counter sunk	HRZ Horizontal	SHR Shower	SHR Shower
CT Current	HS Horizontal, Houspower	SHR Shower	SHR Shower
CTR Center	HR Hour	SHR Shower	SHR Shower
CW Cold water piping, Cessment window	HSS Hollow structural section	SHR Shower	SHR Shower
CU Cubic	HGT Height	SHR Shower	SHR Shower
CUH Cabinet unit heater	HTR Heater	SHR Shower	SHR Shower
CU YO Cubic yard	HVAC Heating, ventilating and air conditioning	SHR Shower	SHR Shower
D Deep, Depth	HW Hot water	SHR Shower	SHR Shower
D Penny (nail)	HYD Hydrant	SHR Shower	SHR Shower
DBL Bar diameter	I Inch	SHR Shower	SHR Shower
DEG Double	INCHES Inches	SHR Shower	SHR Shower
DEFS Direct-applied exterior finish system	INCL Included	SHR Shower	SHR Shower
DEG Degree	INCO Inconducent	SHR Shower	SHR Shower
DEMO Demolition	INCO Inconducent	SHR Shower	SHR Shower
DEPT Department	INSUL Insulation	SHR Shower	SHR Shower
DET Detail	INTERM Intermediate	SHR Shower	SHR Shower
DF Drinking fountain	INT Interior	SHR Shower	SHR Shower
DIA OR a Diameter	JNT Joint	SHR Shower	SHR Shower
DAG Diagonal, Diagram	JST Joist	SHR Shower	SHR Shower
DM Dimension	KP 1000 Pounds	SHR Shower	SHR Shower
DIFF Diffuser	KP 1000 Pounds	SHR Shower	SHR Shower
DIR Direction	KP 1000 Pounds	SHR Shower	SHR Shower
DISP Dispenser	KP 1000 Pounds	SHR Shower	SHR Shower
DIV Division	KP 1000 Pounds	SHR Shower	SHR Shower
DMF Damp proofing	KP 1000 Pounds	SHR Shower	SHR Shower
DL Dead load	KP 1000 Pounds	SHR Shower	SHR Shower
DN Down	KP 1000 Pounds	SHR Shower	SHR Shower
DO Ditch	KP 1000 Pounds	SHR Shower	SHR Shower
DR Door, Drive	KP 1000 Pounds	SHR Shower	SHR Shower
DS Downspout	KP 1000 Pounds	SHR Shower	SHR Shower
DW Dishwasher	KP 1000 Pounds	SHR Shower	SHR Shower

GYPSUM BOARD / WOOD STUD SERIES PARTITIONS

STUD SPACING PER PARTITION TYPES BELOW UON ON STRUCTURAL DRAWINGS.

W3	3 5/8"	2 x 4 WOOD STUDS AT 16" O.C. (1) LAYER 5/8" GYPSUM BOARD ROOM SIDE.
W4	4 3/4"	2 x 4 WOOD STUDS AT 16" O.C. (1) LAYER 5/8" GYPSUM BOARD EACH SIDE. 1 HOUR FIRE RESISTANT RATED WHEN INDICATED (WITH OR WITHOUT BATT INSULATION) PER UL U305. MAXIMUM STUD SPACING IS LIMITED TO 16" O.C.
J1	8 7/8"	(2) 2 x 4 WOOD STUDS AT 16" O.C. (1) LAYER 5/8" GYPSUM BOARD EACH SIDE. 1 HOUR FIRE RESISTANT RATED WHEN INDICATED (WITH OR WITHOUT BATT INSULATION) PER UL U305. MAXIMUM STUD SPACING IS LIMITED TO 16" O.C.

UNBALANCED SERIES PARTITIONS

U1	5/8"	(1) LAYER 5/8" GYPSUM BOARD LAMINATED TO SUBSTRATE INDICATED.
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RCP GENERAL NOTES

- A. REFER TO AND COORDINATE WITH ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC LIGHT FIXTURE INFORMATION.
- B. ALL GYP. BD. SOFFITS TO HAVE GYP. BD. VERTICAL RETURNS UP TO THE STRUCTURE ABOVE
- C. REFER TO AND COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR SPECIFIC CEILING-MOUNTED FIXTURE INFORMATION AND LOCATIONS, INCLUDING BUT NOT LIMITED TO DIFFUSERS, GRILLS, ALARMS, EXIT SIGNS AND SENSORS.
- D. PAINT EXPOSED STRUCTURE AS INDICATED ON REFLECTED CEILING PLAN [ROOM FINISH SCHEDULE] INCLUDING STEEL DECK, BEAMS, AND TRUSSES.
- E. PAINT ALL MISCELLANEOUS HVAC, PLUMBING AND ELECTRICAL ITEMS EXPOSED ON WALLS AND HARD CEILINGS THAT ARE NOT OTHERWISE INDICATED TO BE PRE-FINISHED OR A SPECIFIC COLOR. THE COLOR SHALL MATCH THE ADJACENT OR BACKGROUND SURFACE.
- F. PAINT PORTIONS OF INTERNAL SURFACES OF METAL DUCTS, WITHOUT LINERS, BEHIND AIR INLETS AND OUTLETS THAT ARE VISIBLE FROM OCCUPIED SPACES. COLOR SHALL BE "FLAT BLACK."
- G. DO NOT PAINT OPERATIONAL COMPONENTS OF SYSTEMS SUCH AS SPRINKLER HEADS, FIRE, SMOKE, OR HEAT DETECTORS. COLORS OF THESE COMPONENTS ARE TO BE SELECTED TO MATCH BACKGROUND SURFACES, UNLESS OTHERWISE NOTED.
- H. ALL PAINTED CEILINGS AND EXPOSED CEILING ELEMENTS TO HAVE A "FLAT" FINISH, UNLESS OTHERWISE INDICATED.
- L. THE PAINT COLOR INDICATED ON GYPSUM BOARD SOFFITS SHALL APPLY TO BOTH THE HORIZONTAL AND VERTICAL SURFACES UNLESS OTHERWISE INDICATED.

LEGEND

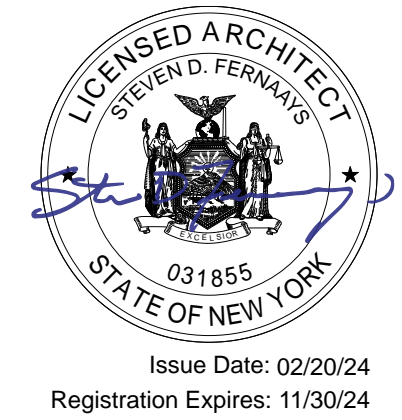
	INDICATES PARTITION TYPE		INDICATES PARTITION HEIGHT ABOVE FINISHED FLOOR.
	"X" AFC		PARTITION TO X" ABOVE FINISHED CEILING
	UFC		PARTITION TO UNDERSIDE OF FINISHED CEILING
	X-X"		WHERE HEIGHT IS NOTED, CONSTRUCT WALL TO THAT HEIGHT INCLUDING TOP OF WALL CAP
	INDICATES PARTITION TYPE		INDICATES ADDITIONAL SOUND ATTENUATION BLANKETS FOR ACOUSTICAL PURPOSES (REFER TO GENERAL PARTITION NOTES)
REFER TO CODE COMPLIANCE PLAN(S) FOR PARTITIONS REQUIRED TO BE FIRE-RESISTANT-RATED CONSTRUCTION.			

GENERAL PARTITION NOTES:

- A. ALL STUD PARTITIONS NOT INDICATED WITH A PARTITION TYPE SHALL BE TYPE W4 WITH SOUND ATTENUATION BLANKETS.
- B. PARTITIONS WITH SOUND ATTENUATION BLANKETS:
1. PROVIDE SOUND ATTENUATION BLANKETS IN ALL CAVITY SPACES IN WALL FULL HEIGHT
 2. THICKNESS OF BLANKETS IN STUD WALLS SHALL BE EQUAL TO THICKNESS OF CAVITY TO NEAREST 1/2", UNLESS INDICATED OTHERWISE
 3. PARTITIONS TO BE SEALED @ THE PERIMETER, BEHIND CONTROL JOINTS, AROUND OPENINGS AND AT ALL PENETRATIONS WITH EACH LAYER OF BOARD TO RECEIVE A BEAD OF NON-HARDENING SEALANT
 4. SEE WALL TYPE DESCRIPTIONS FOR CONDITIONS REQUIRING MINERAL FIBER SAFING INSULATION BATT
- C. GYPSUM BOARD TO BE "TYPE X" UNLESS OTHERWISE NOTED
- D. ALL PARTITIONS ARE TO BE TO THE UNDERSIDE OF DECK UNLESS OTHERWISE NOTED
- E. DIMENSIONS SHOWN FOR EACH PARTITION DESCRIPTION INDICATE FACE-TO-FACE THICKNESS OF MATERIALS LISTED FOR THAT PARTITION
- F. PROVIDE LISTED U.L. FIRE-RESISTANT JOINT ASSEMBLIES @ TOP OF ALL WALLS INDICATED TO BE FIRE-RESISTANT RATED
- G. EO (EQUIVALENT THICKNESS) STUDS SHALL NOT BE USED TO CONSTRUCT ANY FIRE-RESISTANT WALL CONSTRUCTION. ALL METAL STUDS USED IN THE CONSTRUCTION OF FIRE-RESISTANT-RATED WALL CONSTRUCTION SHALL HAVE MINIMUM STEEL BASE-METAL THICKNESS OF .03" (30MIL) UNLESS OTHERWISE INDICATED (EXCLUDING UL DESIGN DESCRIPTIONS).
- H. THE TOP OF ALL PARTITIONS FRAMED AGAINST THE UNDERSIDE OF STRUCTURES SHALL HAVE PROVISIONS FOR DEFLECTION & RESTRAINT
- I. REFER TO CODE COMPLIANCE PLANS FOR PARTITION FIRE RESISTANCE RATINGS.
1. GYPSUM BOARD JOINT TREATMENT IN CONCEALED SPACES SHALL BE FIRE TAPED, UNLESS OTHERWISE INDICATED IN A SPECIFIC UL DESIGN. JOINTS SHALL BE FIRE TAPED, AND JOINTS AND FASTENER HEADS COVERED WITH (1) COAT OF JOINT COMPOUND. BASE LAYERS IN MULTI-LAYER SYSTEMS ARE NOT REQUIRED TO HAVE JOINTS OR FASTENER HEADS TAPED OR COVERED WITH JOINT COMPOUND.

GENERAL NOTES:

1. ALL GENERAL NOTES PERTAIN TO ALL ARCHITECTURAL (A-SERIES) DRAWINGS IN THIS SET
2. WHERE DIFFERENT FLOORING MATERIALS MEET, AND A SPECIFIC TRANSITION DETAIL IS NOT INDICATED, PREPARE SUBSTRATE WITH A TRANSITION HEIGHT BUILD UP USING TROWELABLE LEVELING AND PATCHING COMPOUND TO PRODUCE A FLUSH SMOOTH CONDITION. TROWEL MATERIAL FOR A MINIMUM DISTANCE OF 2 FEET FROM A FEATHER EDGE CONDITION UP TO A MAXIMUM SINGLE LAYER APPLICATION THICKNESS OF 1/2". FOR APPLICATIONS THICKER THAN 1/2", PLACE MATERIAL IN SUCCESSIVE LAYERS, SCORING PREVIOUS LAYER, UP TO A MAXIMUM THICKNESS OF 1".
3. PROVIDE CONCEALED STEEL STUD BLOCKING OR 2" x 18 GA CONTINUOUS STEEL STRAPPING ATTACHED TO FACE OF STUDS BEHIND ALL WALL MOUNTED ITEMS SUCH AS: WALL CABINETS, SHELVING, COAT RODS, GRAB BARS, HANDRAILS, TOILET ACCESSORIES, ETC. SEE INTERIOR ELEVATIONS & FURNITURE PLANS FOR ADDITIONAL INFORMATION AND SCOPE
4. EXTERIOR PERIMETER OF ALL WINDOWS, DOORS, CURTAINWALL, STOREFRONT, LOUVERS, OR OTHER ITEMS INSERTED IN OR PENETRATING AN EXTERIOR WALL SHALL BE SEALED WITH BACKER ROD AND SEALANT WHETHER INDICATED ON DRAWINGS OR NOT
5. FLOOR FINISH TRANSITIONS/CHANGES SHALL OCCUR BELOW THE DOOR
6. DIMENSIONS LOCATING INTERIOR PARTITIONS ARE TO THE FACE OF WALL (EXCLUDING FINISH MATERIALS SUCH AS - BUT NOT LIMITED TO: CERAMIC TILE, AND WOOD PANELING) UNLESS NOTED OTHERWISE. SEE PARTITION SCHEDULE FOR WALL THICKNESS
7. ALL EXISTING DIMENSIONS ARE APPROXIMATE AND FOR CONTRACTORS VERIFICATIONS. IF DISCREPANCIES ARISE, NOTIFY THE ARCHITECT (AND/OR CONSTRUCTION MANAGER) PRIOR TO PROCEEDING WITH THE WORK THAT MAY BE EFFECTED BY THE DIMENSION CHANGE
8. EVERY ATTEMPT HAS BEEN MADE TO INDICATE PERTINENT EXISTING UTILITIES AND CONDITIONS AS ACCURATELY AS POSSIBLE FROM EXISTING SURVEYS, DRAWINGS AND OTHER DATA. PRIOR TO THE BID OPENING, CONTRACTORS SHALL WALK THE JOB SITE AND SATISFY THEMSELVES TO THE EXISTING CONDITIONS. THE ARCHITECT SHALL BE CONSULTED WHEN ANY QUESTION ARISES RELATIVE TO MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED
9. ALL EXISTING WORK (CEILINGS, FLOORS, WALLS, PARTITIONS, FINISHES, ETC.) DISTURBED BY NEW CONSTRUCTION, INCLUDING MECHANICAL, PLUMBING, AND ELECTRICAL, SHALL BE PATCHED AND REPAIRED TO RESTORE SURFACES TO THE ORIGINAL CONDITION AFTER INSTALLATION OF OTHER WORK
10. PENETRATIONS THROUGH FIRE-RESISTANT CONSTRUCTION SHALL BE BUILT IN ACCORDANCE WITH U.L. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS. SEE CODE COMPLIANCE PLAN FOR PARTITION LOCATIONS. PENETRATIONS THROUGH NON FIRE-RESISTANT RATED HORIZONTAL ASSEMBLIES, NOT PROTECTED BY A SHAFT ENCLOSURE, SHALL HAVE ITS ANNULAR SPACE FILLED WITH NON-COMBUSTIBLE MATERIAL TO PREVENT THE PASSAGE OF FLAME, SMOKE FUMES, AND HOT GASES. NON-COMBUSTIBLE PENETRATING ITEMS SHALL NOT PENETRATE MORE THAN 3 FLOOR ASSEMBLIES. COMBUSTIBLE PENETRATING ITEMS SHALL NOT PENETRATE MORE THAN 1 FLOOR ASSEMBLY
11. FLOOR CEILING/ AND ROOF/CEILING ASSEMBLIES ARE FIRE-RESISTANT-RATED CONSTRUCTION WHICH EMPLOY A GYPSUM BOARD MEMBRANE CEILING. THIS GYPSUM BOARD MEMBRANE IS PERMITTED TO BE INTERRUPTED WITH A DOUBLE TOP PLATE OF A WOOD STUD PARTITION. PIPE AND WIRE PENETRATIONS THROUGH THE DOUBLE TOP PLATE MUST BE PROTECTED WITH LISTED THROUGH-PENETRATION FIRESTOP ASSEMBLIES. THE GYPSUM BOARD ON THE WALLS SHALL BE 5/8" TYPE-X BOARD. WALL BOARD SHALL BE ATTACHED TO THE WOOD STUDS WITH SCREWS @ 7" O.C. MAXIMUM. SCREWS SHALL BE A MINIMUM 1-7/8" LONG FOR SINGLE LAYER APPLICATIONS.
12. FLOOR/CEILING AND ROOF/CEILING ASSEMBLIES ARE FIRE-RESISTANT- RATED CONSTRUCTION WHICH EMPLOY A GYPSUM BOARD MEMBRANE CEILING. FOR CONCEALED CONDITIONS, ALL JOINTS IN THIS MEMBRANE SHALL BE TAPED. JOINTS AND FASTENER HEADS SHALL BE COVERED WITH ONE COAT OF JOINT COMPOUND (FIRE TAPED). THE GYPSUM BOARD MEMBRANE IS PERMITTED TO BE INTERRUPTED WITH THE DOUBLE TOP PLATE OF A WOOD STUD PARTITION. PIPE AND WIRE PENETRATIONS THROUGH THE DOUBLE TOP PLATE MUST BE PROTECTED WITH LISTED THROUGH-PENETRATION FIRESTOP ASSEMBLIES. THE GYPSUM BOARD ON THE WALLS SHALL BE 5/8" TYPE X BOARD. WALL BOARD SHALL BE ATTACHED TO THE WOOD STUDS WITH SCREWS @ 7" O.C. MAXIMUM. SCREWS SHALL BE A MINIMUM 1-7/8" LONG FOR SINGLE LAYER APPLICATIONS.



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Revisions

Stimson Hall Renovations for McGraw Enabling
SWBR Project Number 23170.00

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G-001

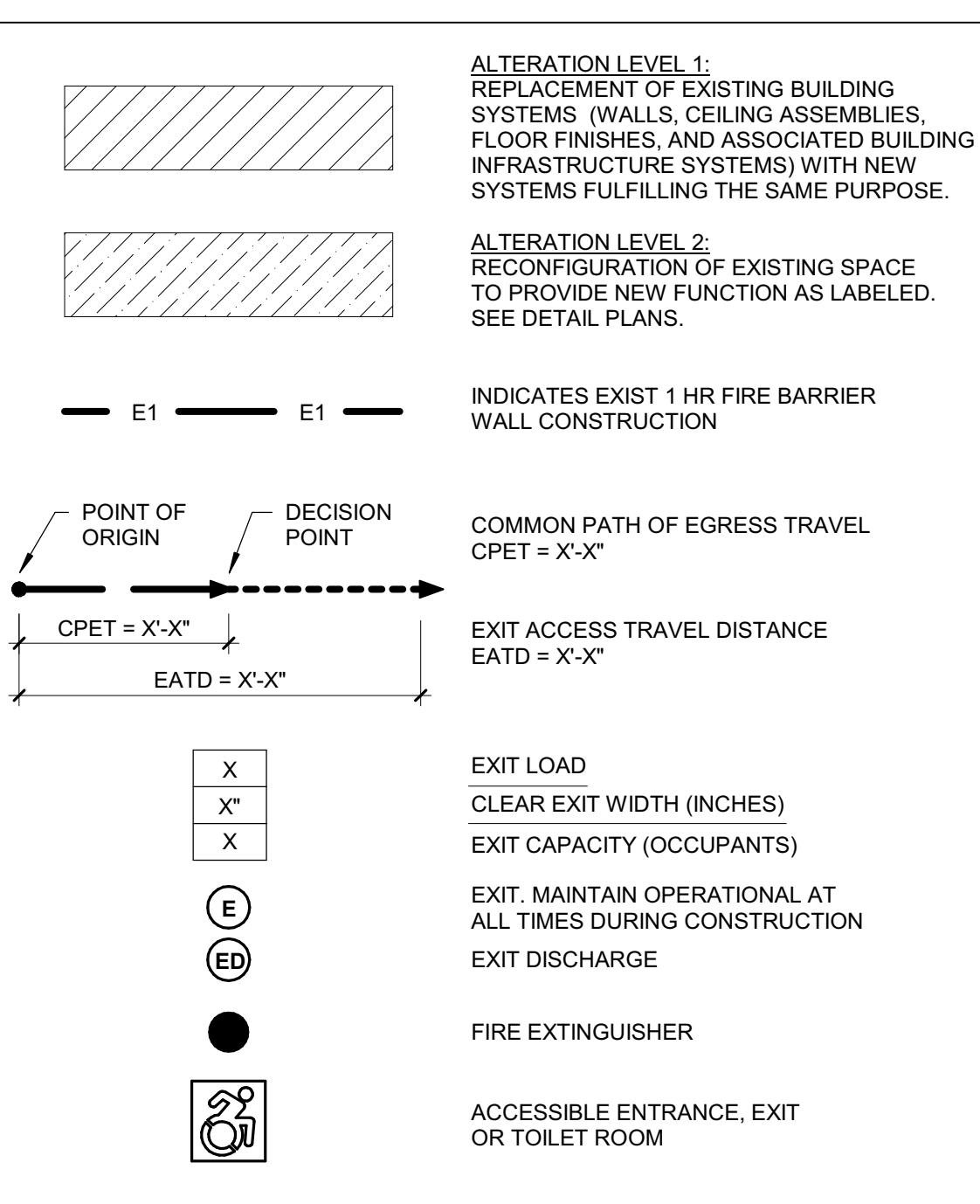
General Notes and Legends

February 16, 2024
100% Construction Documents

CODE COMPLIANCE PLAN GENERAL NOTES

1. THE FOLLOWING BUILDING AND ACCESSIBILITY CODES AND STANDARDS ARE APPLICABLE TO THIS PROJECT:
 - A. 2020 BUILDING CODE OF NEW YORK STATE
 - B. 2020 EXISTING BUILDING CODE OF NEW YORK STATE
 - C. 2020 FIRE CODE OF NEW YORK STATE
 - D. 2020 PLUMBING CODE OF NEW YORK STATE
 - E. 2020 MECHANICAL CODE OF NEW YORK STATE
 - F. 2020 FUEL GAS CODE OF NEW YORK STATE
 - G. 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
 - H. NATIONAL ELECTRICAL CODE, NFPA 70, - 2017 EDITION AS REFERENCED BY THE NYS CODES ABOVE
 - I. ICC A117.1, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - 2009 EDITION AS REFERENCED BY THE NYS CODES ABOVE
 - J. U.S. DEPARTMENT OF JUSTICE, 2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN.
2. CODE COMPLIANCE DRAWINGS ARE INTENDED TO ASSIST IN THE PERMIT PROCESS AND TO PROVIDE GENERAL INFORMATION TO THE CONTRACTORS WITH RESPECT TO LIFE SAFETY OVERVIEW PROJECT. THESE DRAWINGS SHOULD NOT BE USED TO DETERMINE THE SCOPE OF OTHER WORK SPECIFICALLY INDICATED ELSEWHERE IN THE DOCUMENTS. THESE DRAWINGS SHALL BE USED FOR THE LOCATIONS OF FIRE-RESISTANT RATED WALL CONSTRUCTION.
3. REFERENCE FCNYS CHAPTER 33 FOR FIRE SAFETY PROVISIONS DURING CONSTRUCTION, DEMOLITION.

CODE COMPLIANCE PLAN LEGEND



BUILDING DATA & CODE REVIEW

PROJECT NAME: <u>Cornell Simson Hall Renovation</u>		SWBR PROJECT NUMBER: <u>23170.00</u>	
PREPARED BY: <u>KEP</u>	CHECKED BY: <u>LHW</u>		
DATE: <u>11/22/03</u>			

BUILDING DATA & CODE SUMMARY : (Chapter 6) NEW YORK STATE UNIFORM CODE

OCCUPANCY CLASSIFICATION: (Chapter 3)

☒ SINGLE ☐ SEPARATED ☐ NON-SEPARATED ☐ COMBINATION OF BOTH

If SEPARATED, FIRE RESISTANCE RATING OF FIRE BARRIER (Table 508.4): _____ HR

OCCUPANCY CLASSIFICATION(S): B (BUSINESS)

USE(S): _____ OFFICES, LECTURE ROOMS LESS THAN 50, STUDY SPACES

CONSTRUCTION CLASSIFICATION : (Chapter 6) IIB

AUTOMATIC SPRINKLER SYSTEM PROVIDED:

NFPA STANDARD: ☒ 13 ☐ 1R ☐ NO ☐ 13D

REHABILITATION OF EXISTING STRUCTURES
 2020 EXISTING BUILDING CODE OF NEW YORK STATE
 Refer to Code Compliance Drawings for Location of Work Areas as defined in Chapter 6 Existing Building Code of the 2020 Existing Building Code of New York State

COMPLIANCE PATH METHOD

☐ PRESCRIPTIVE METHOD: CH. 3, CH. 5
☒ WORK AREA METHOD: CH. 3, CH. 6-12
☐ PERFORMANCE METHOD: CH. 3, CH. 13

PROVISIONS FOR ALL COMPLIANCE METHODS (Chapter 3)

SEISMIC RETROFIT REQUIRED? ☐ YES ☒ NO

☐ REPAIR (Chapter 4)
☒ ALTERATION - LEVEL 1 (Chapter 7)
☒ ALTERATION - LEVEL 2 (Chapter 8)
☐ ALTERATION - LEVEL 3 (Chapter 9)
☐ CHANGE OF OCCUPANCY (Chapter 10)

FORMER OCCUPANCY CLASSIFICATION: _____
 NEW OCCUPANCY CLASSIFICATION: _____

PARTIAL CHANGE OF OCCUPANCY: ☐ YES ☐ NO ☐ SEPARATED ☐ NOT SEPARATED

☐ ADDITION (Chapter 11)
 SEPARATED FROM EXISTING WITH FIRE WALL? ☐ YES ☐ NO
 IF NO, HEIGHT AND FIRE AREA OF ENTIRE BUILDING (EXISTING PLUS ADDITION) SHALL BE, IN COMPLIANCE WITH CHAPTER 5 OF BCNYS 2020.
 IF YES, CHAPTER 11 OF THE BCNYS DOES NOT APPLY. THE ADDITION IS SEPARATE BUILDING AND NOT AN ADDITION TO THE EXISTING BUILDING. THE ADDITION SHALL COMPLY WITH THE BCNYS.
 IF YES, FIRE RESISTANCE RATING (Table 706.4 BCNYS): _____ HR

☐ HISTORIC BUILDING (Chapter 12)
☐ RELOCATED STRUCTURE (Chapter 14)

HEIGHT & AREA - ACTUAL: (Chapter 5)

BUILDING HEIGHT	HEIGHT IN FEET	HEIGHT IN STORIES
EXISTING	56'-9"	ft. 4
PROPOSED ADDITION	NA	ft. NA

BUILDING AREA	WORK AREA	FLOOR AREA	ADDITION	TOTAL
BASEMENT	0	sf 5,015	sf 0	sf 5,015
GROUND	1,044	sf 13,020	sf 0	sf 13,020
FIRST	2,891	sf 10,635	sf 0	sf 10,635
SECOND	1,565	sf 10,475	sf 0	sf 10,475
THIRD	1,114	sf 10,475	sf 0	sf 10,475
ATTIC	0	sf 2,371	sf 0	sf 2,371
TOTAL (NFPA 1033.3.1.2)	6,614	sf 46,976	sf 0	sf 46,976

HEIGHT & AREA - ALLOWABLE: (Chapter 5)

AREA PER TABLE 504.3 (HEIGHT IN FEET), 504.4 (HEIGHT IN STORIES) & 506.2 (AREA)

OCCUPANCY CLASSIFICATION	TABULAR AREA	TABULAR HEIGHT
CLASS	SF	FEET
B	76,000	75

FOOTNOTES:

"N2" = BUILDINGS "NOT" EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM.

"S1" = BUILDINGS A MAXIMUM OF ONE STORY ABOVE GRADE PLANE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13 SPRINKLER SYSTEM).

"SR" = BUILDINGS TWO OR MORE STORIES ABOVE GRADE PLANE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13 SPRINKLER SYSTEM).

"S" = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13 SPRINKLER SYSTEM) USED FOR ALLOWABLE HEIGHT IN FEET AND STORIES.

"S13R" = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.2 (NFPA 13R SPRINKLER SYSTEM).

"S13D" = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.3 (NFPA 13D SPRINKLER SYSTEM).

AREA INCREASE - FRONTAGE (506.3) ☐ YES ☐ NO

FRONTAGE P = _____ IF _____

PERIMETER P = _____ IF _____

WIDTH OF OPEN SPACE W = _____ IF _____ (30 FEET MAX.)

FRONTAGE INCREASE F = _____ (NOT TO EXCEED .75)

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY(Chapter 4)

- | | |
|---|---|
| ✓ Covered mall and open mall buildings [402] | ✓ Drying rooms [417] |
| ✓ High-rise buildings [403] – Occupied floors > 75 feet | ✓ Organic coatings [418] |
| ✓ Atturms [404] | ✓ Live/Work Units [419] |
| ✓ Underground buildings [405] | ✓ Group 1-1, R-1, R-2, R-3, R-4 [420] |
| ✓ Motor vehicle related occupancies [406] | ✓ Hydrogen fuel gas rooms [421] |
| ✓ Group 1-2 (health care) [407] | ✓ Ambulatory care facilities [422] |
| ✓ Group 1-3 (correctional or detention) [408] | ✓ Storm shelters [423] |
| ✓ Motion picture projection rooms [409] | ✓ Children's play structures [424] |
| ✓ Stages, platforms, technical production areas [410] | ✓ Hyperbaric facilities [425] |
| ✓ Special amusement buildings [411] | ✓ Combustible dusts, grain processing & storage [426] |
| ✓ Aircraft related occupancies [412] | ✓ Medical Gas Systems [427] |
| ✓ Combustible storage [413] | ✓ Higher Education Laboratories [428] |
| ✓ Hazardous materials [414] | ✓ Healthcare Facilities [429] |
| ✓ Group II through HS [415] | ✓ Live Fire Training Facility [430] |
| ✓ Spray Application of flammable finishes [416] | |

FIRE PROTECTION SYSTEMS: (Chapter 9)

Indicate size and location of fire areas on code compliance drawing

FIRE PROTECTION SYSTEM	REQUIRED	PROVIDED	SECTION
AUTOMATIC SPRINKLER	Y	Y	(903)
ALTERNATIVE AUTO FIRE EXT	N	N	(904)
STANDPIPE	N	N	(905)
PORTABLE FIRE EXTINGUISHER	Y	Y	(906)
FIRE ALARM & DETECTION	Y	Y	(907)
EMERGENCY ALARM	N	N	(908)
SMOKE CONTROL SYSTEM	N	N	(909)
SMOKE & HEAT REMOVAL	N	N	(910)
FIRE COMMAND CENTER	N	N	(911)

MEANS OF EGRESS: (Chapter 10)

DESIGN OCCUPANT LOAD SUMMARY - TABLE 1004.5

FLOOR LEVEL	DESIGN OCCUPANT LOAD (WORK AREA - EXIST BLDG.)	DESIGN OCCUPANT LOAD (FLOOR)
BASEMENT		17
GROUND	50	91
FIRST	32	145
SECOND	50	172
THIRD	50	106
ATTIC		8
TOTAL	182	539

MEANS OF EGRESS ELEMENT	REQUIRED	PROVIDED	SECTION
NUMBER OF EXITS	2	2	(Table 1006.3.2)
EXIT ACCESS TRAVEL DISTANCE	300 ft max	119'-7"	(Table 1017.2)
DEAD-END LIMIT	50 ft max	25'-4"	(1020.4)
COMMON PATH OF TRAVEL LIMIT	100 ft max	99'-8"	(1006.2.1)

PLUMBING FIXTURE REQUIREMENTS (EXISTING STRUCTURES)

DOES THE CALCULATED OCCUPANT LOAD OF THE STORY INCREASE BY GREATER THAN 20% AS A RESULT OF THE ALTERATION? (FOR LEVEL 2 AND LEVEL 3 ALTERATIONS)
(IF NO, THE QUANTITY OF PLUMBING FIXTURES ON THE WORK AREA FLOOR LEVEL SHALL NOT BE REQUIRED TO BE REVIEWED AND/OR INCREASED).

(2020 EBCNYS 809)
☐ YES ☒ NO ☐ N/A

DOES THE CHANGE OF OCCUPANCY RESULT IN A NEW OCCUPANCY WHICH IS SUBJECT TO INCREASED OR DIFFERENT PLUMBING FIXTURE REQUIREMENTS OR TO INCREASED WATER SUPPLY REQUIREMENTS IN ACCORDANCE WITH THE PLUMBING CODE.
(IF NO, THE QUANTITY OF PLUMBING FIXTURES ON THE WORK AREA LEVEL SHALL NOT BE REQUIRED TO BE REVIEWED AND/OR INCREASED).

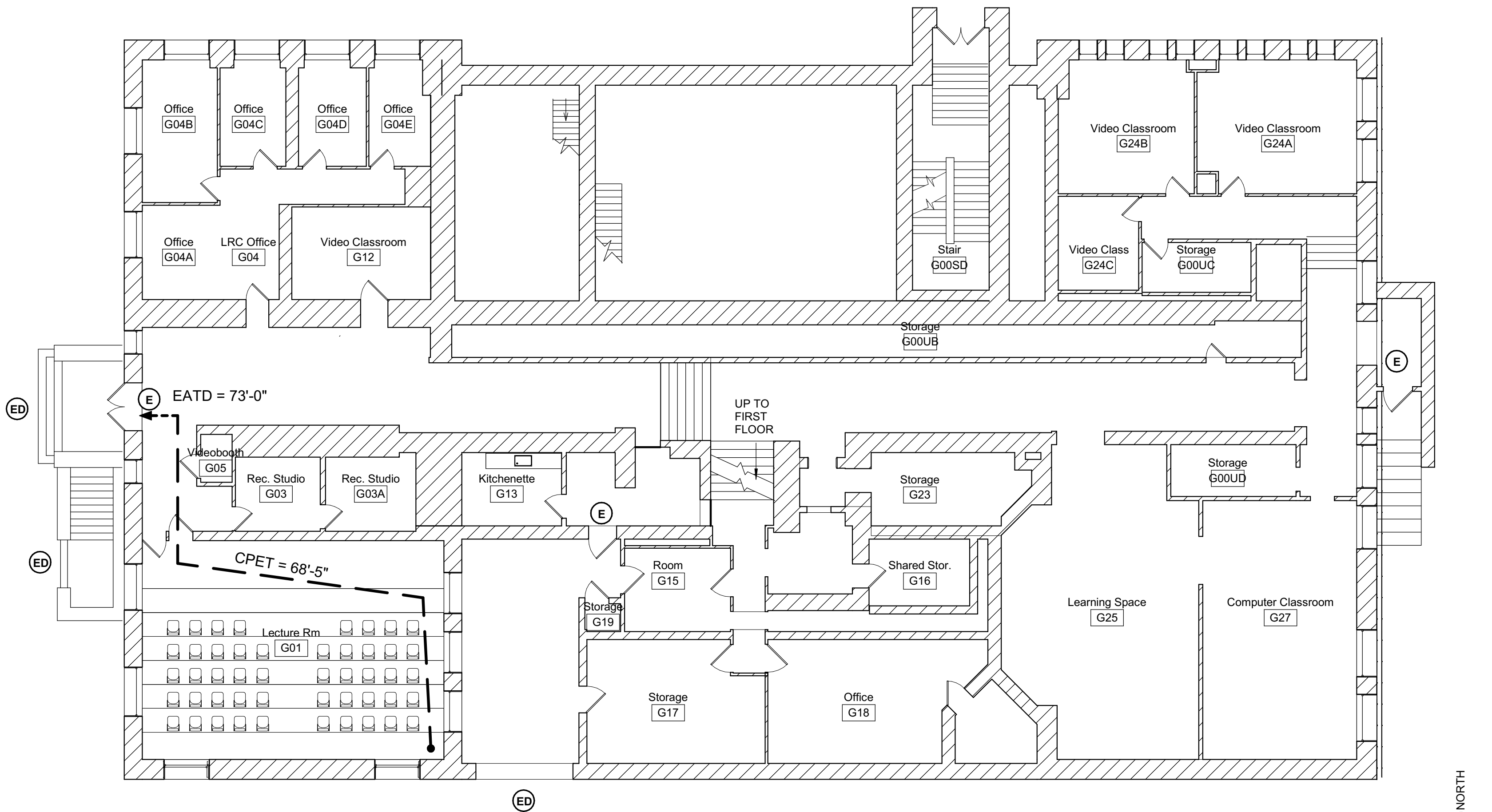
(2020 EBCNYS 1008.1)
☐ YES ☒ NO ☐ N/A

ACCESSIBILITY (EXISTING STRUCTURES)

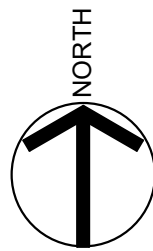
<p>DOES THE ALTERATION WORK AREA OR PARTIAL CHANGE OF OCCUPANCY AFFECT THE ACCESSIBILITY TO OR CONTAIN AN AREA OF PRIMARY FUNCTION?</p>	<p>(X) YES () NO</p>	<p>YES (X) NO</p>
<p>ARE ANY OF THE EXCEPTIONS TO 305.7 (NYS DEC) APPLICABLE TO THE SCOPE OF WORK?</p> <p>1. COST OF ACCESSIBILITY UPDATES WOULD EXCEED 20% OF THE CONSTRUCTION COSTS OF THE PROJECT.</p> <p>2. ALTERATION LIMITED TO WINDOW, HATCH, OR DOOR.</p> <p>3. ALTERATION LIMITED TO MECHANICAL, ELECTRICAL, FIRE PROTECTION, HAZ. MAT.</p> <p>4. PRIMARY PURPOSE OF ALTERATION IS INCREASING THE ACCESSIBILITY.</p> <p>5. ALTERATION LIMITED TO TYPE I DRINKING WATER AND SEWERAGE.</p>	<p>(X) YES () NO</p>	<p>YES (X) NO</p>
<p>IF RESPECTIVELY "YES"NO" RESPONSES ABOVE, DOES PROJECT INCLUDE SCOPE FOR REQUIRED ACCESSIBILITY UPDATES?</p>	<p>(X) YES () NO</p>	<p>YES (X) NO</p>

FOR A COMPLETE CHANGE OF OCCUPANCY HAVE ALL OF THE FOLLOWING ACCESSIBLE FEATURES BEEN PROVIDED?

- | | | | |
|---|------------------------------|-----------------------------|--|
| 1. NOT FEWER THAN ONE ACCESSIBLE BUILDING ENTRANCE. | <input type="checkbox"/> YES | <input type="checkbox"/> NO | <input checked="" type="checkbox"/> X NA |
| 2. NOT FEWER THAN ONE ACCESSIBLE ROUTE FROM AN ACCESSIBLE BUILDING ENTRANCE TO PRIMARY FUNCTION AREAS. | <input type="checkbox"/> YES | <input type="checkbox"/> NO | <input checked="" type="checkbox"/> X NA |
| 3. SIGNAGE COMPLYING WITH SECTION 1111 OF THE BUILDING CODE OF NEW YORK STATE. | <input type="checkbox"/> YES | <input type="checkbox"/> NO | <input checked="" type="checkbox"/> X NA |
| 4. ACCESSIBLE PARKING, WHERE PARKING IS BEING PROVIDED. | <input type="checkbox"/> YES | <input type="checkbox"/> NO | <input checked="" type="checkbox"/> X NA |
| 5. NOT FEWER THAN ONE ACCESSIBLE PASSENGER LOADING ZONE, WHERE LOADING ZONES ARE PROVIDED. | <input type="checkbox"/> YES | <input type="checkbox"/> NO | <input checked="" type="checkbox"/> X NA |
| 6. NOT FEWER THAN ONE ACCESSIBLE ROUTE CONNECTING ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES TO AN ACCESSIBLE ENTRANCE | <input type="checkbox"/> YES | <input type="checkbox"/> NO | <input checked="" type="checkbox"/> X NA |

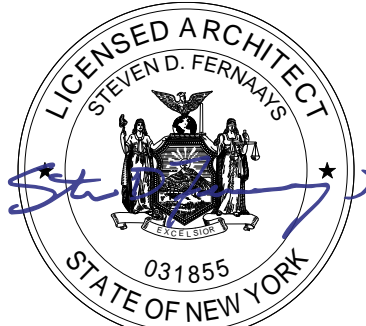


1 Code Compliance Plan - Ground Floor
3/32" = 1'-0"



309 South Franklin Street Syracuse NY 13202
315 488 5635 | rochester@swbr.com

SWBR NYS Certificate of
Authorization #: 235221



Issue Date: 02/20/24
Registration Expires: 11/30/24

Drawn By:	KEP
Checked By:	DMKS
Project Manager:	LHW

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Revisions

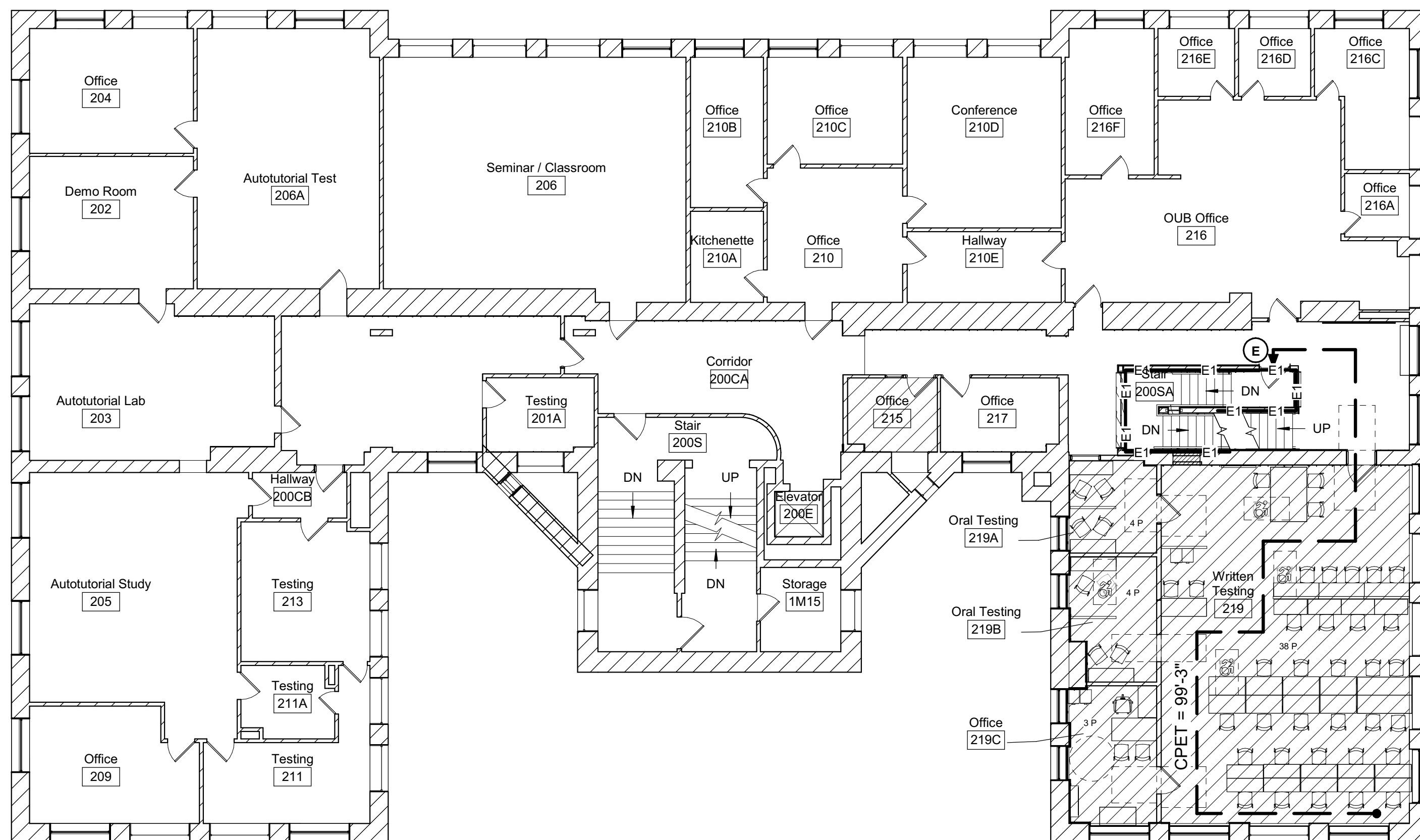
Stimson Hall Renovations for McGraw Enabling
SWBR Project Number 23170.00

Cornell University
Ithaca, NY 14853

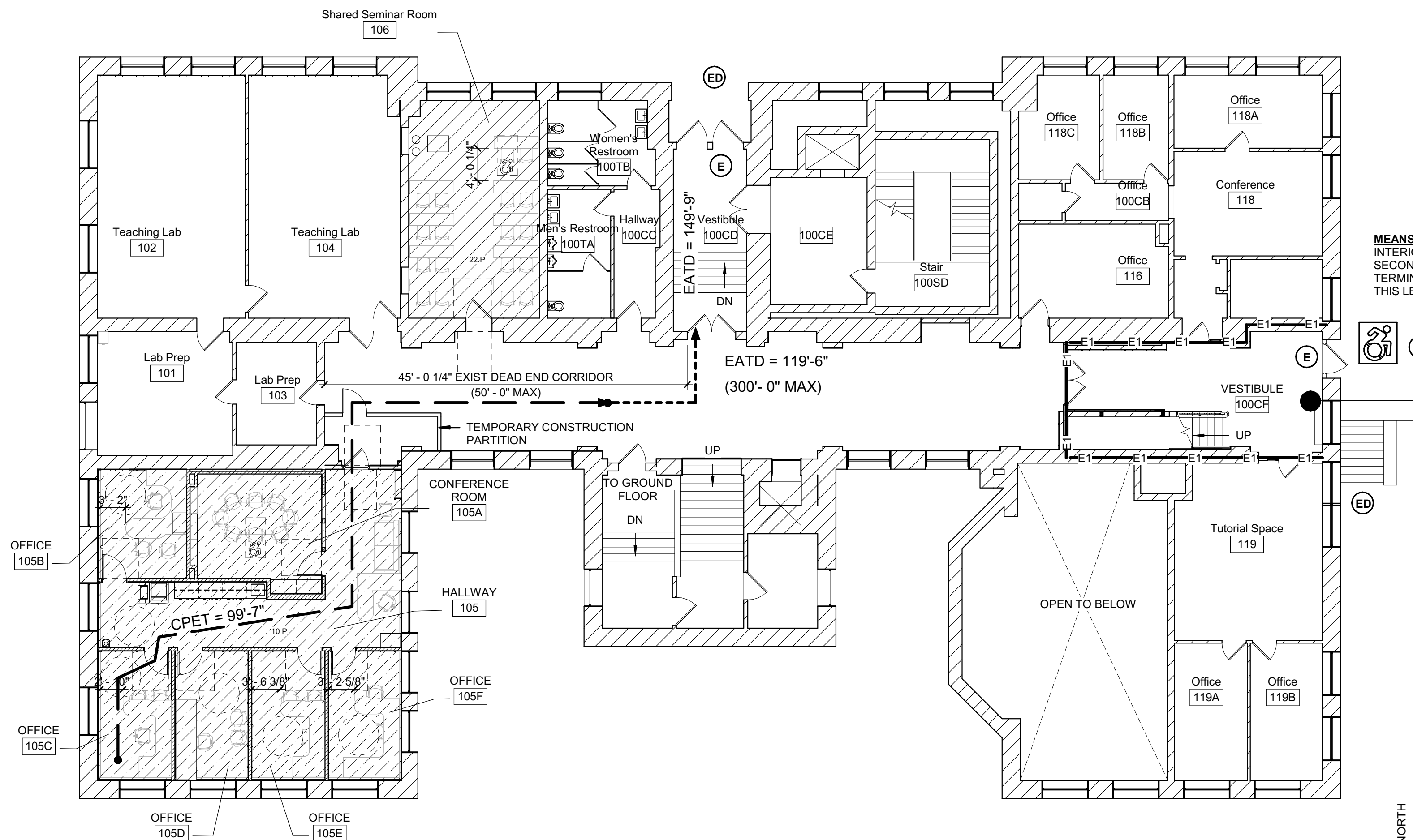
G-002

Code Compliance Drawings and Fire Safety Plans

February 16, 2024
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2 Code Compliance Plan - Second Floor
3/32" = 1'-0"



1 Code Compliance Plan - First Floor
3/32" = 1'-0"

1. THE FOLLOWING BUILDING AND ACCESSIBILITY CODES AND STANDARDS ARE APPLICABLE TO THIS PROJECT:

2.
 - A. 2020 BUILDING CODE OF NEW YORK STATE
 - B. 2020 EXISTING BUILDING CODE OF NEW YORK STATE
 - C. 2020 FIRE CODE OF NEW YORK STATE
 - D. 2020 PLUMBING CODE OF NEW YORK STATE
 - E. 2020 MECHANICAL CODE OF NEW YORK STATE
 - F. 2020 FUEL GAS CODE OF NEW YORK STATE
 - G. 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
 - H. NATIONAL ELECTRICAL CODE, NFPA 70, - 2017 EDITION AS REFERENCED BY THE NYS CODES ABOVE.
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3. REFERENCE FCNYS CHAPTER 33 FOR FIRE SAFETY PROVISIONS DURING CONSTRUCTION, DEMOLITION.

ALTERATION LEVEL 1:
REPLACEMENT OF EXISTING BUILDING SYSTEMS (WALLS, CEILING ASSEMBLIES, FLOOR FINISHES, AND ASSOCIATED BUILDING INFRASTRUCTURE SYSTEMS) WITH NEW SYSTEMS FULFILLING THE SAME PURPOSE.

ALTERATION LEVEL 2:
RECONFIGURATION OF EXISTING SPACE TO PROVIDE NEW FUNCTION AS LABELED. SEE DETAIL PLANS.

INDICATES EXIST 1 HR FIRE BARRIER WALL CONSTRUCTION

COMMON PATH OF EGRESS TRAVEL
CPET = X'-X"

EXIT ACCESS TRAVEL DISTANCE
EATD = X'-X"

X
X"
X

EXIT LOAD
CLEAR EXIT WIDTH (INCHES)
EXIT CAPACITY (OCCUPANTS)

EXIT, MAINTAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION

EXIT DISCHARGE

FIRE EXTINGUISHER

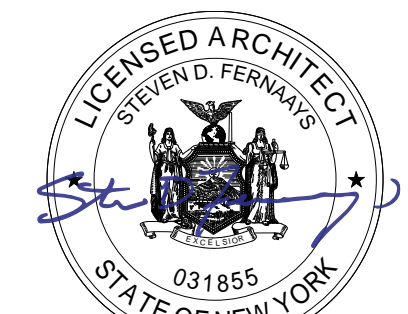
ACCESSIBLE ENTRANCE, EXIT OR TOILET ROOM

MEANS OF EGRESS NOTE:
INTERIOR EXIT STAIR FROM
SECOND FLOOR TO FIRST FLOOR,
TERMINATING AT EXIT DISCHARGE
THIS LEVEL (BCNYS 2020 1023.3)



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SW/BR NYS Certificate of
Authorization #: 235221



Issue Date: 02/20/24
Registration Expires: 11/30/24

Drawn By:	KEP
Checked By:	DMKS
Project Manager:	LHW

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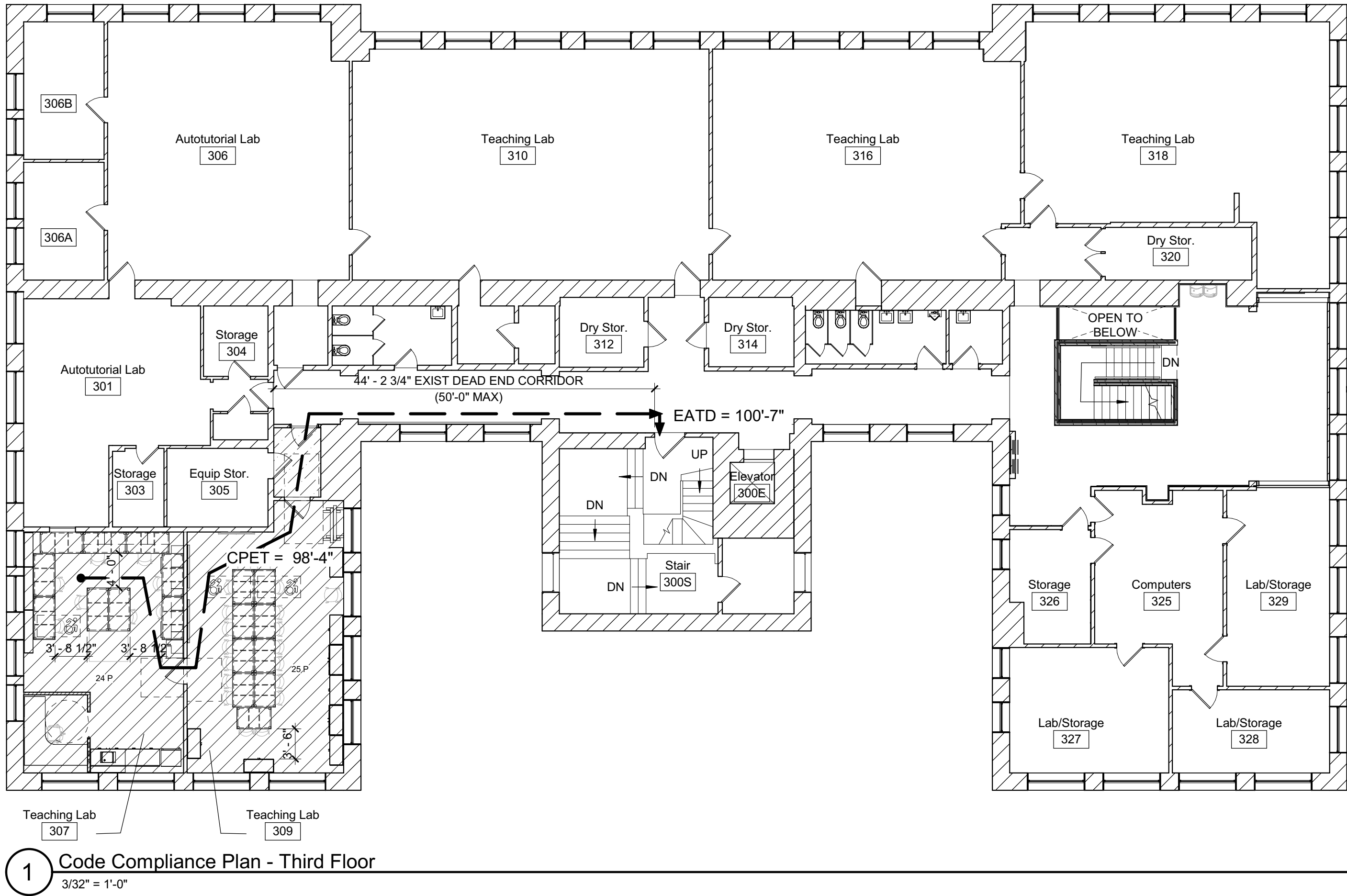
Stimson Hall Renovations for McGraw Enabling
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Ithaca, NY 14853

G-003

Code Compliance Plans

February 16, 2024
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CODE COMPLIANCE PLAN GENERAL NOTES

- THE FOLLOWING BUILDING AND ACCESSIBILITY CODES AND STANDARDS ARE APPLICABLE TO THIS PROJECT:
 - 2020 BUILDING CODE OF NEW YORK STATE
 - 2020 EXISTING BUILDING CODE OF NEW YORK STATE
 - 2020 FIRE CODE OF NEW YORK STATE
 - 2020 PLUMBING CODE OF NEW YORK STATE
 - 2020 MECHANICAL CODE OF NEW YORK STATE
 - 2020 FUEL GAS CODE OF NEW YORK STATE
 - 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
 - NATIONAL ELECTRICAL CODE, NFPA 70, - 2017 EDITION AS REFERENCED BY THE NYS CODES ABOVE.
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CODE COMPLIANCE PLAN LEGEND

ALTERATION LEVEL 1:
REPLACEMENT OF EXISTING BUILDING SYSTEMS (WALLS, CEILING ASSEMBLIES, FLOOR FINISHES, AND ASSOCIATED BUILDING INFRASTRUCTURE SYSTEMS) WITH NEW SYSTEMS FULFILLING THE SAME PURPOSE.

ALTERATION LEVEL 2:
RECONFIGURATION OF EXISTING SPACE TO PROVIDE NEW FUNCTION AS LABELED. SEE DETAIL PLANS.

E1

E1

INDICATES EXIST 1 HR FIRE BARRIER WALL CONSTRUCTION

POINT OF ORIGIN

DECISION POINT

CPET = X'-X"

EATD = X'-X"

COMMON PATH OF EGRESS TRAVEL
CPET = X'-X"

EXIT ACCESS TRAVEL DISTANCE
EATD = X'-X"

X

X"

X

EXIT LOAD

CLEAR EXIT WIDTH (INCHES)

EXIT CAPACITY (OCCUPANTS)

E

ED

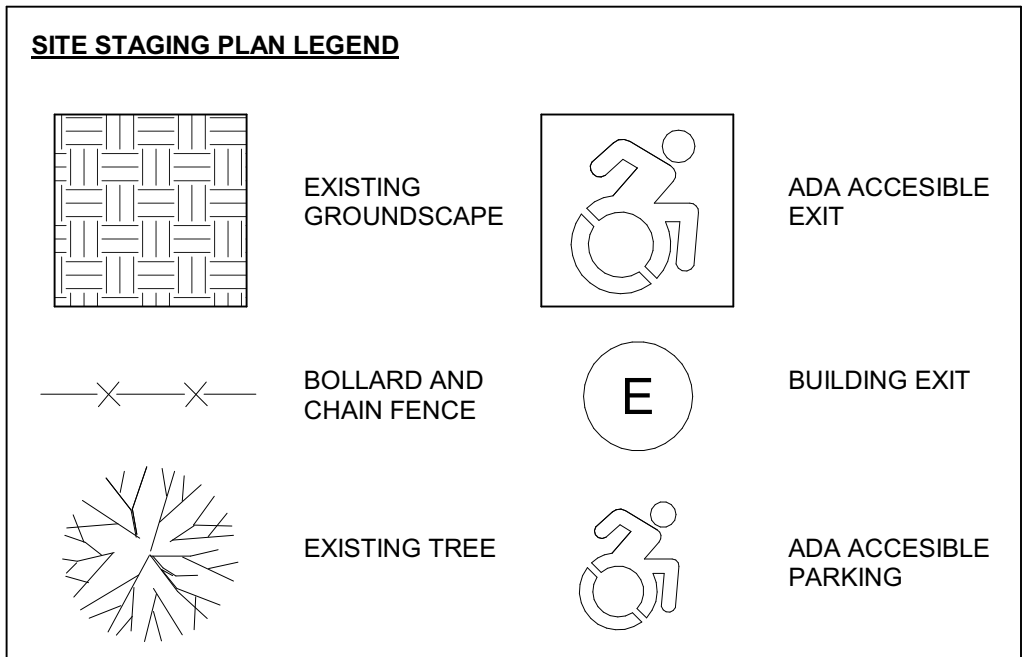
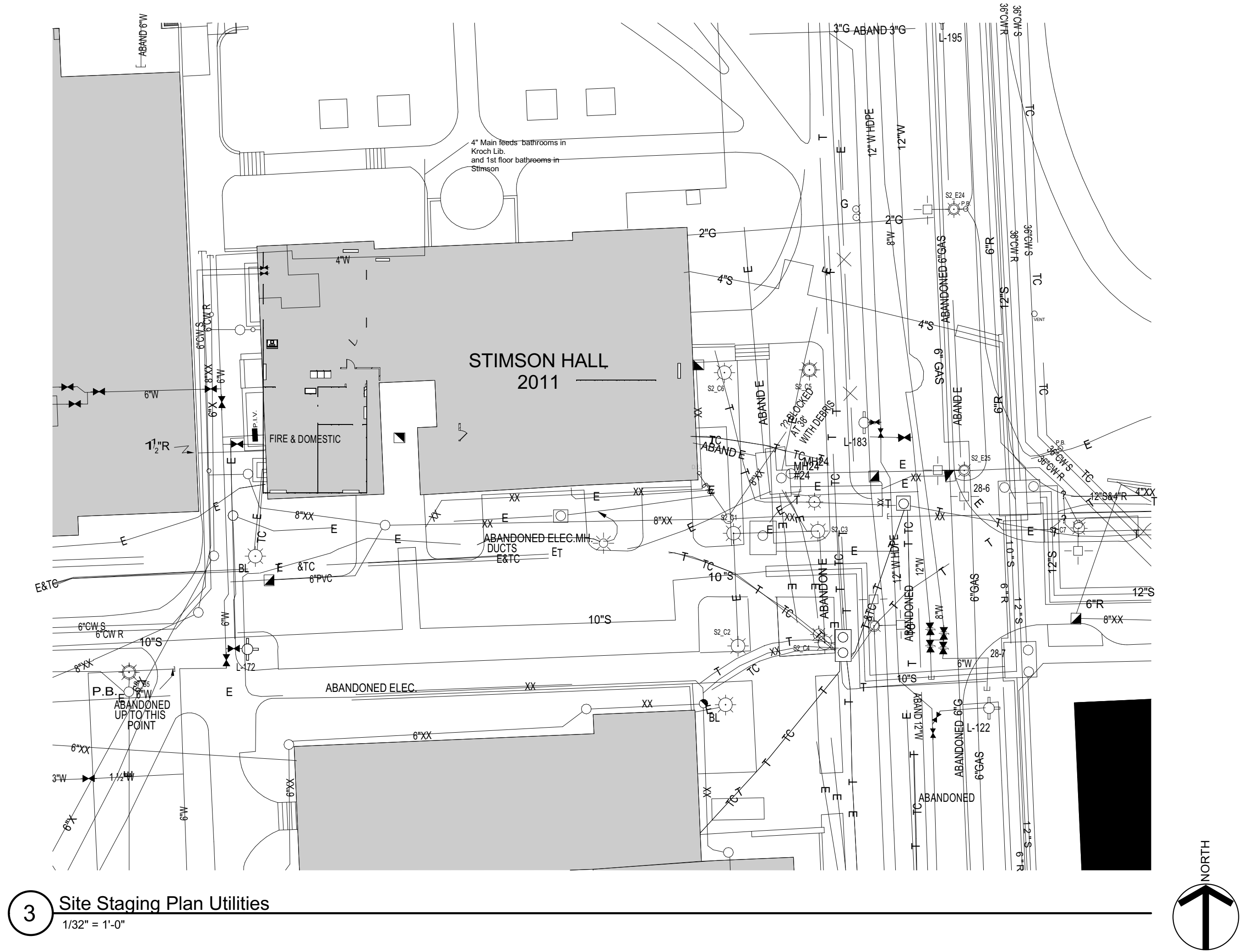
EXIT. MAINTAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION

EXIT DISCHARGE

FIRE EXTINGUISHER

ACCESSIBLE ENTRANCE, EXIT OR TOILET ROOM

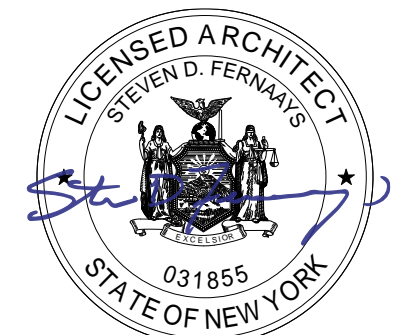
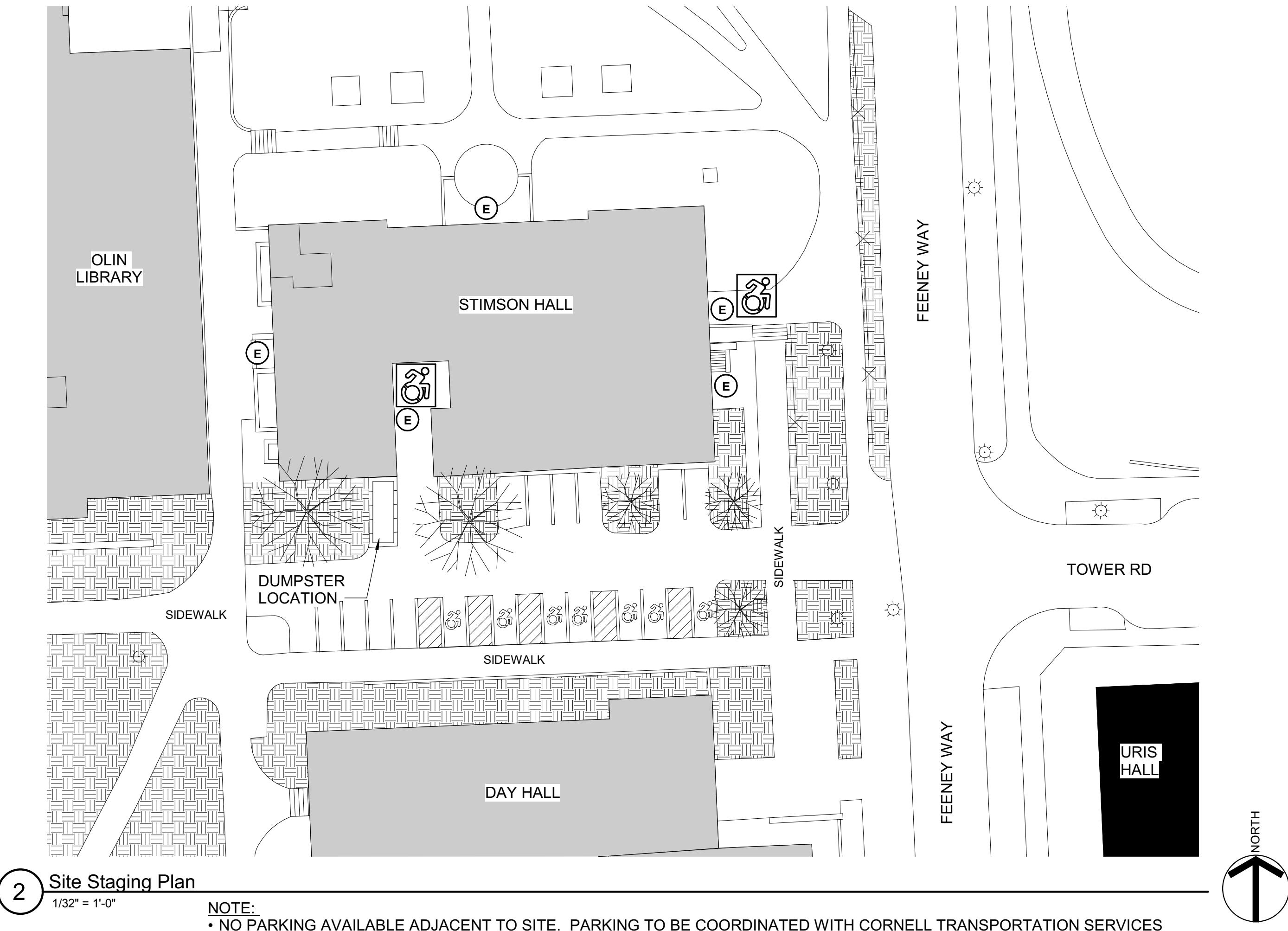
Revisions



- Site and Logistics Notes**
- REFER TO SITE STAGING PLAN 2/G-005 FOR SITE REQUIREMENTS.
 - WORK AREAS MUST ADHERE TO THE MILESTONE / SEQUENCING SCHEDULE IN THE GENERAL REQUIREMENTS. ANY DEVIATIONS WILL NEED TO BE APPROVED BY THE OWNER.



1 Site Logistics Aerial Photo
N.T.S.



Issue Date: 02/20/24
Registration Expires: 11/30/24

Drawn By: KEP
Checked By: DMKS
Project Manager: LHW

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Revisions

Stimson Hall Renovations for
McGraw Enabling
SWBR Project Number 23170.00

Cornell University
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G-005

Site Plan & Logistics
Plan

February 16, 2024
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Documents

ASBESTOS ABATEMENT NOTES:

1.

THE NOTES AND DETAILS PRESENTED HERE AND INCLUDED IN SPECIFICATION SECTION 02 82 13 ARE APPLICABLE TO DRAWINGS AR-101, AR-102 AND AR-103.
2.

THE CONTRACTOR SHALL PERFORM ALL CONTRACT WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ASBESTOS ABATEMENT OPERATIONS SHALL BE PERFORMED AS PER THE PROVISIONS AND CONDITIONS LISTED IN THE NEW YORK STATE DEPARTMENT OF LABOR (NYS DOL) INDUSTRIAL CODE RULE NO. 56 (CITED AS 12 NYCRR PART 56) AND ALL APPLICABLE STATE, FEDERAL AND LOCAL CODES.
3.

ANY SITE SPECIFIC VARIANCE (SSV) NECESSARY TO ACCOMPLISH THE REMOVAL OF THE REFERENCED ASBESTOS CONTAINING MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COMPLETE VARIANCE PETITION SHALL BE SUBMITTED TO THE OWNERS REPRESENTATIVE FOR REVIEW / APPROVAL PRIOR TO SUBMISSION TO THE NYS DOL. THE COST ASSOCIATED WITH VARIANCE PREPARATION AND SUBMISSION SHALL BE INCLUDED IN THE BASE BID.
4.

ABATEMENT OPERATIONS SHALL INCLUDE THE REMOVAL, PACKAGING AND DISPOSAL OF NON-ASBESTOS MATERIALS, ASBESTOS-CONTAMINATED MATERIALS AND ASBESTOS CONTAINING MATERIALS PRESENT WITHIN THE STIMSON HALL GROUND, 1ST, 2ND, AND 3RD FLOOR RENOVATION AREAS AS A PART OF THE STIMSON HALL RENOVATIONS FOR MCGRAW ENABLING PROJECT. NON- ASBESTOS, ASBESTOS CONTAINING, AND ASBESTOS CONTAMINATED MATERIALS TO BE REMOVED SHALL INCLUDE THE FOLLOWING:
- A.

ASBESTOS CONTAINING 9" X 9" AND 12" X 12" FLOOR TILE: 9" X 9" AND 12" X 12" ASBESTOS FLOOR TILE (VAT) WITH NON-ASBESTOS MASTIC TO BE REMOVED IS PRESENT IN ROOMS 107, 219, 219A, 219B AND 219C. THE TOTAL QUANTITY OF VAT IN THE RENOVATION AREAS TO BE REMOVED IS APPROXIMATELY 2,282 SQUARE FEET. VAT IS PRESENT BENEATH CARPETING (WITH NON-ASBESTOS ADHESIVE) IN ROOMS 219, 219B AND 291C. WHERE VAT CONTINUES UNDERNEATH WALLS TO REMAIN, IT SHALL BE CUT-FLUSH, AND REMOVED UP TO, THE WALL. ALL EQUIPMENT, FURNITURE AND CABINETS PRESENT IN THE VAT REMOVAL AREAS SHALL ALSO BE REMOVED BY THE ABATEMENT CONTRACTOR TO ACCESS / REMOVE THE VAT BENEATH.
- B.

TWO-COAT ASBESTOS CONTAINING WALL PLASTER: THE TWO-COAT ASBESTOS CONTAINING WALL PLASTER TO BE REMOVED IS PRESENT IN ROOMS 105, 107, 105A, AND THE ROOM 104 WALL SECTION ABOVE THE ENTRY DOOR. FOR ROOMS 105, 107, AND 105A, REMOVAL SHALL INCLUDE ALL WALL PLASTER IN THE SPACES. REMOVAL SHALL BE FROM FLOOR TO CEILING AND INCLUDE THE TWO-COAT PLASTER AND ASSOCIATED LATHE, BACK TO THE BASE MASONRY / WOOD FRAMING SUBSTRATE. FOR THE ROOM 104 WALL ABOVE THE ENTRY DOOR, REMOVAL SHALL INCLUDE A 2' X 2' SECTION OF TWO-COAT PLASTER ON BOTH SIDES OF THE WAY, AS NECESSARY FOR NEW WALL PENETRATIONS. THE TOTAL QUANTITY OF ASBESTOS WALL PLASTER TO BE REMOVED IN THE REFERENCED ROOMS IS APPROXIMATELY 1,635 SQUARE FEET.
- C.

TWO-COAT ASBESTOS CONTAINING CEILING PLASTER: THE TWO-COAT ASBESTOS CONTAINING CEILING PLASTER TO BE REMOVED IS PRESENT IN ROOMS 105, 107, 105A, AND G01. FOR ROOMS 105, 107, AND 105A, REMOVAL SHALL INCLUDE ALL CEILING PLASTER AND ASSOCIATED LATHE IN THE SPACES. REMOVAL SHALL BE BACK TO EXISTING WOOD CEILING JOISTS. FOR THE ROOM G01 CEILING, REMOVAL SHALL INCLUDE A TOTAL OF SIX 2' X 2' LOCATIONS ALONG THE EAST, SOUTH AND WEST PERIMETERS AS NECESSARY FOR NEW CEILING PIPE PENETRATIONS AT THE LOCATIONS SHOWN ON **DRAWING M-200**. THE TOTAL QUANTITY OF TWO-COAT ASBESTOS CEILING PLASTER TO BE REMOVED IN THE REFERENCED ROOMS IS APPROXIMATELY 1,470 SQUARE FEET.
- D.

ASBESTOS TRANSITE-LINED FUME HOOD / BASE CABINET AND FUME HOOD TRANSITE COUNTER-TOP: THE ROOM 309 ASBESTOS TRANSITE-LINED FUME HOOD, ASSOCIATED TRANSITE-LINED BASE CABINET, AND FUME HOOD TRANSITE COUNTER-TOP SHALL BE REMOVED. THE TOTAL QUANTITY OF TRANSITE ASSOCIATED WITH THE ABOVE ITEMS IS APPROXIMATELY 70 SQUARE FEET. REMOVAL SHALL BE PERFORMED "INTACT" AS PER THE CONDITIONS OF THE CORNELL ITHACA CAMPUS-WIDE VARIANCE FILE NO. 23-1557 FOR INTACT TRANSITE REMOVALS.
- E.

THE ASBESTOS CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL LIGHT FIXTURES, EQUIPMENT, WALL BOARDS, CABINETRY, SHELVING, FIRE-PROTECTION DEVICES, CONDUITS / RACEWAY, WINDOW TREATMENTS, AND ALL OTHER MISCELLANEOUS MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / A-V ITEMS, DEVICES & COMPONENTS THAT ARE SCHEDULED TO BE REMOVED AS A PART OF THE PROJECT AND ARE MOUNTED ON, OR FASTENED TO, ASBESTOS CONTAINING PLASTER WALLS / CEILINGS AND ASBESTOS FLOORING. THESE ITEM REMOVALS SHALL BE PERFORMED IN BOTH AREAS WHERE THE ASBESTOS CONTAINING PLASTER WALLS / CEILINGS AND ASBESTOS FLOORING ARE SCHEDULED TO BE REMOVED AS A PART OF THE PROJECT AS WELL AS THOSE AREAS WHERE THE ASBESTOS CONTAINING PLASTER WALLS / CEILINGS AND ASBESTOS FLOORING ARE TO REMAIN. ITEMS SHALL BE REMOVED AS A PART OF ABATEMENT OPERATIONS AND SHALL BE CLEANED / DECONTAMINATED, AND TURNED-OVER TO THE UNIVERSITY. REFERENCE THE ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS FOR THE LIGHTING FIXTURES, EQUIPMENT, WALL BOARDS, CABINETRY, SHELVING, FIRE-PROTECTION DEVICES, CONDUITS / RACEWAY, AND OTHER MISCELLANEOUS MECHANICAL / ELECTRICAL / PLUMBING FIRE PROTECTION / A-V ITEMS, DEVICES & COMPONENTS TO BE REMOVED AS A PART OF THE PROJECT.
- F.

PARTIAL REMOVAL OF THE NON-ASBESTOS SHEETROCK / JOINT COMPOUND WALL SYSTEMS IN THE 1ST FLOOR RENOVATION AREA MAY BE PERFORMED BY THE GENERAL CONTRACTOR PRIOR TO ABATEMENT OPERATIONS. ASBESTOS JOINTS SHALL REMOVE ASSOCIATED WALL STUDS / CEILING PLATES FASTENED TO ASBESTOS PLASTER WALL / CEILING SYSTEMS AND BASE PLATES FASTENED TO ASBESTOS FLOORING AS A PART OF ABATEMENT OPERATIONS.
- G.

THE ASBESTOS CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION OF ANY NEW LIGHT FIXTURES, EQUIPMENT, WALL BOARDS, CABINETRY, SHELVING, FIRE-PROTECTION DEVICES, CONDUITS / RACEWAY, WINDOW TREATMENTS, AND OTHER MISCELLANEOUS MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / A-V ITEMS, DEVICES & COMPONENTS THAT ARE SCHEDULED TO BE INSTALLED AS A PART OF THE PROJECT AND ARE TO BE MOUNTED ON, OR FASTENED TO, ASBESTOS CONTAINING PLASTER WALLS / CEILINGS AND ASBESTOS FLOORING. ITEMS SHALL BE INSTALLED AS A PART OF ABATEMENT OPERATIONS. REFERENCE THE ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR THE LIGHTING FIXTURES, EQUIPMENT, WALL BOARDS, CABINETRY, SHELVING, FIRE-PROTECTION DEVICES, CONDUITS / RACEWAY, WINDOW TREATMENTS, AND ALL OTHER MISCELLANEOUS MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / A-V ITEMS, DEVICES & COMPONENTS TO BE INSTALLED AS A PART OF THE PROJECT.
- H.

THE ASBESTOS CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL OF DAMAGED / LOOSE / DELAMINATING WALL PLASTER CREATED AS A RESULTS OF THE ITEMS D, E, AND F REMOVAL SCOPE REFERENCE ABOVE AND FOR THE REMOVAL OF ANY LOOSE / DELAMINATING PAINT & PLASTER PRESENT IN ROOM 116 AS NECESSARY FOR NEW PAINTING. REMOVAL OF DAMAGED / LOOSE / DELAMINATING PLASTER SHALL BE DOWN TO A SOLID SUBSTRATE AND THEN SEALED WITH A LATEX ENCAPSULANT / PAINT.
6.

ABATEMENT OPERATIONS SHALL BE PERFORMED AS PER THE CONDITIONS OF 12 NYCRR PART 56 BASED ON THE SPECIFIC MATERIALS BEING REMOVED IN A GIVEN WORK AREA AND THE SIZE OF THE GIVEN WORK AREA. THIS SHALL INCLUDE SEQUENTIAL ABATEMENT WHERE MORE THAN ONE TYPE OF ACM IS BEING REMOVED IN A GIVEN WORK AREA.
7.

FOR REMOVAL OF EXISTING AND INSTALLATION OF NEW LIGHT FIXTURES, EQUIPMENT, WALL BOARDS, CABINETRY, SHELVING, FIRE-PROTECTION DEVICES, CONDUITS / RACEWAY, WINDOW TREATMENTS, AND OTHER MISCELLANEOUS MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / A-V ITEMS, DEVICES & COMPONENTS TO BE REMOVED FROM AND INSTALLED ON TO ASBESTOS CONTAINING PLASTER WALLS / CEILINGS AND ASBESTOS FLOORING TO REMAIN, THE WORK SHALL BE PERFORMED AS PER THE CONDITIONS OF 12 NYCRR PART 56 AND THE CORNELL ITHACA CAMPUS-WIDE VARIANCE FILE NO. 23-1557.
8.

THE CONTRACTOR SHALL SUBMIT A WRITTEN WORK PLAN FOR ASBESTOS ABATEMENT OPERATIONS FOR REVIEW AND APPROVAL AS PER THE REQUIREMENTS OF SPECIFICATIONS SECTION 028213, 1.5.
9.

THE CONTRACTOR SHALL MAINTAIN SECURITY IN EACH WORK AREA AND FOR THE OVERALL BUILDING AT ALL TIMES.
10.

THE LOCATION OF REMOTE AND/OR ATTACHED DECONTAMINATION ENCLOSURE SYSTEMS, WASTE DUMPSTERS, AND NEGATIVE AIR EXHAUST MUST BE APPROVED BY THE OWNER AND OWNERS REPRESENTATIVE PRIOR TO THE START OF THE PROJECT.
11.

TEMPORARY SHUTDOWN OF HVAC AND LOCK OUT OF ELECTRIC POWER TO ABATEMENT WORK AREAS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH THE OWNER. IF ELECTRICAL CIRCUITS, MACHINERY AND OTHER ELECTRICAL SYSTEMS IN OR PASSING THROUGH A GIVEN REGULATED ABATEMENT WORK AREA MUST STAY IN OPERATION, THE CONTRACTOR SHALL ISOLATE/SEAL THE LIVE ELECTRIC AS PER THE REQUIREMENTS OF 12 NYCRR PART 56 SUBPART 56-7.7. ALL TEMPORARY POWER TO THE WORK AREAS SHALL BE BROUGHT IN FROM OUTSIDE THE WORK AREA THROUGH A GROUND-FAULT CIRCUIT INTERRUPTER AT THE SOURCE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL TEMPORARY POWER (INCLUDING THE POWER REQUIRED BY THE OWNER'S REPRESENTATIVE FOR AIR SAMPLING EQUIPMENT). ALL OPERATIONS ASSOCIATED WITH ELECTRICAL SERVICE WORK (I.E. LOCKOUT, TEMPORARY POWER HOOK-UP, ETC.) SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.
12.

COORDINATE HOOK-UP OF WATER SOURCE/SERVICE FOR ABATEMENT WORK AND DECONTAMINATION PURPOSES WITH THE OWNER. PROVIDE AND UTILIZE AN ELECTRIC WATER HEATER FOR THE PROJECT. TEMPORARY WATER CONNECTIONS SHALL BE MADE BY THE CONTRACTOR AND MAINTAINED IN A LEAK FREE STATE AT ALL TIMES.
13.

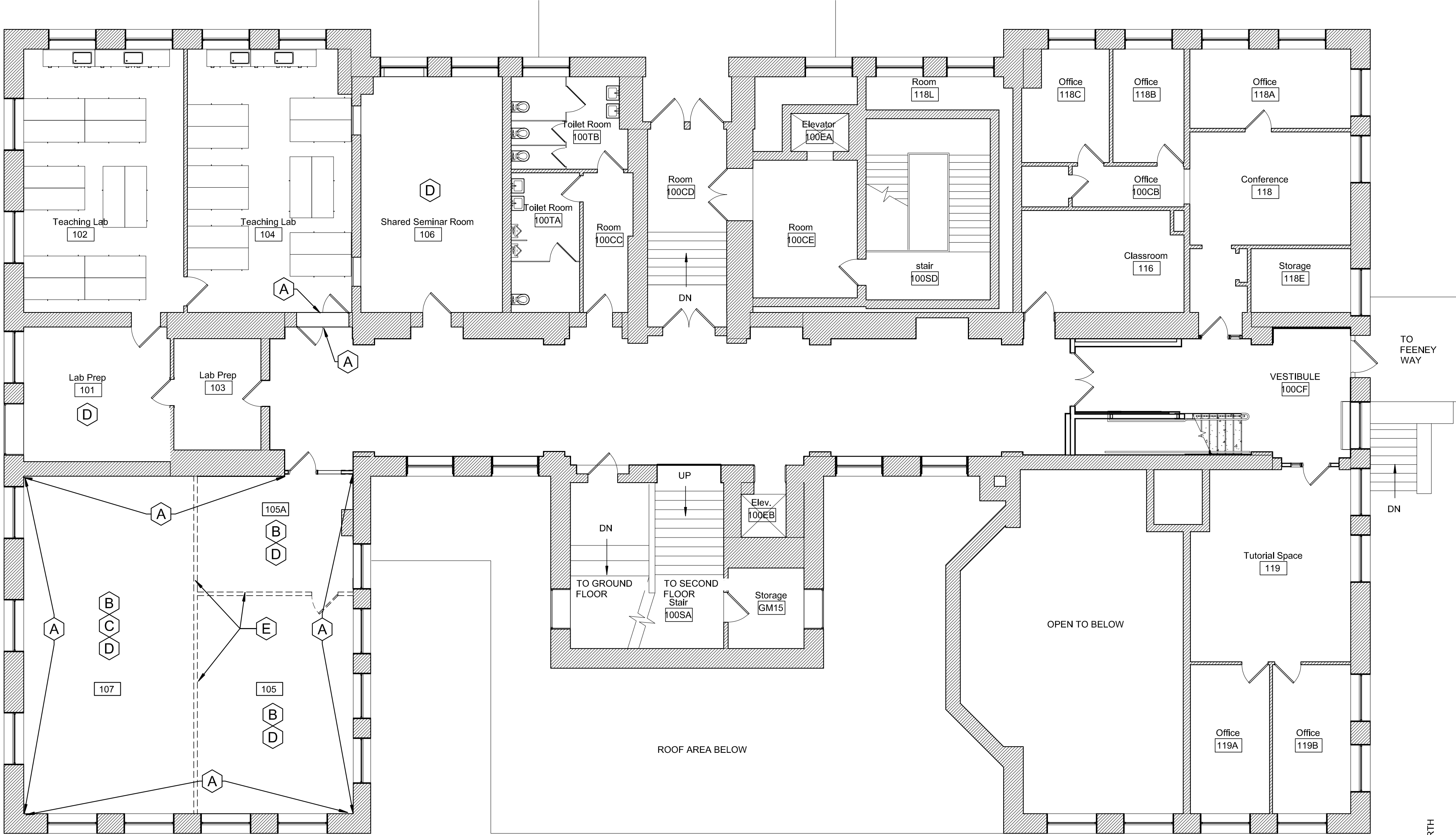
UNDER NO CIRCUMSTANCES SHALL CONTAMINATED LIQUIDS OR DEBRIS ENTER THE EXISTING SEWER SYSTEM. ALL WASTEWATER SHALL BE FILTERED THROUGH A SYSTEM WITH AT LEAST 5.0 MICRON PARTICLE SIZE COLLECTION CAPABILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WASTEWATER PERMITS REQUIRED TO PERFORM HIS WORK UNDER THIS CONTRACT. ANY COST ASSOCIATED WITH WASTE WATER PERMITS SHALL BE INCLUDED IN HIS BID.
14.

ABATEMENT CONTRACTOR SHALL RECEIVE APPROVAL FOR EACH WORK AREA BASED ON APM INSPECTION TO ASSURE ALL OPENINGS AND PENETRATIONS HAVE BEEN SEALED PROPERLY AND ALL WORK AREA PREPARATION IS COMPLETE BEFORE ANY ABATEMENT IS UNDERTAKEN.
15.

AIR MONITORING REQUIRED TO SATISFY THE REQUIREMENTS OF 12 NYCRR PART 56 SHALL BE PERFORMED BY A THIRD PARTY INDEPENDENT ENVIRONMENTAL CONSULTANT HIRED DIRECTLY BY THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE THIRD PARTY CONSULTING FIRMS ONSITE APM. AIR MONITORING AND ANALYSIS TO SATISFY OSHA REQUIREMENTS SHALL BE THE CONTRACTORS RESPONSIBILITY.
16.

COORDINATE SCHEDULING AND ALL ASBESTOS ABATEMENT WORK, INCLUDING BUT NOT LIMITED TO CONTAINMENT CONFIGURATIONS, DECONTAMINATION UNIT LOCATIONS, NEGATIVE AIR EXHAUST LOCATIONS AND SEQUENCE OF ABATEMENT, WITH THE OWNERS REPRESENTATIVE AND ALL OTHER TRADES.

ASBESTOS ABATEMENT LEGEND AND KEYED NOTES	
SYMBOL	DESCRIPTION
<div>A</div>	REMOVE 2-COAT ASBESTOS CONTAINING WALL PLASTER AND ASSOCIATED LATHE, FLOOR LEVEL TO CEILING ELEVATION AND BACK TO SUBSTRATE (MASONRY OR WOOD FRAMING). REMOVAL SHALL INCLUDE ALL WOOD MOLDINGS, INCLUDING VERTICAL WOOD TRIM, WINDOW TRIM, CHAIR RAIL AND WALL COVE BASE AT EXTERIOR WALLS AND WINDOWS. ALL WALL-MOUNTED ITEMS / EQUIPMENT / COMPONENTS SHALL ALSO BE REMOVED, CLEANED / DECONTAMINATED, AND TURNED OVER TO THE OWNER.
<div>B</div>	REMOVE 2-COAT ASBESTOS CONTAINING CEILING PLASTER AND ASSOCIATED LATHE BACK TO EXISTING WOOD CEILING JOISTS. ALL CEILING-MOUNTED FIXTURES / ITEMS / EQUIPMENT / COMPONENTS SHALL ALSO BE REMOVED, CLEANED / DECONTAMINATED, AND TURNED OVER TO THE OWNER.
<div>C</div>	REMOVE ASBESTOS CONTAINING FLOOR TILE (WITH NON-ASBESTOS MASTIC).
<div>D</div>	ASBESTOS CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL LIGHT FIXTURES, EQUIPMENT, WALL BOARDS, CABINETRY, SHELVING, FIRE-PROTECTION DEVICES, CONDUITS / RACEWAY, WINDOW TREATMENTS, AND ALL OTHER MISCELLANEOUS MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / A-V ITEMS, DEVICES & COMPONENTS THAT ARE SCHEDULED TO BE REMOVED AS A PART OF THE PROJECT THAT ARE MOUNTED ON, OR FASTENED TO, ASBESTOS CONTAINING PLASTER WALLS / CEILINGS AND ASBESTOS FLOORING. THESE ITEM REMOVALS SHALL BE PERFORMED IN BOTH AREAS WHERE THE ASBESTOS CONTAINING PLASTER WALLS / CEILINGS AND ASBESTOS FLOORING ARE SCHEDULED TO BE REMOVED AS A PART OF THE PROJECT AS WELL AS THOSE AREAS WHERE THE ASBESTOS CONTAINING PLASTER WALLS / CEILINGS AND ASBESTOS FLOORING ARE TO REMAIN. ITEMS SHALL BE REMOVED AS A PART OF ABATEMENT OPERATIONS AND SHALL BE CLEANED / DECONTAMINATED, AND TURNED-OVER TO THE UNIVERSITY. REFERENCE THE ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS FOR THE LIGHTING FIXTURES, EQUIPMENT, WALL BOARDS, CABINETRY, SHELVING, FIRE-PROTECTION DEVICES, CONDUITS / RACEWAY, AND OTHER MISCELLANEOUS MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / A-V ITEMS, DEVICES & COMPONENTS TO BE REMOVED AS A PART OF THE PROJECT.
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1 First Floor Asbestos Abatement Plan
1/8" = 1'-0"

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SWBR NYS Certificate of
Authorization #: 235221

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Drawn By: SMP
Checked By: WTJ
Project Manager: SMP

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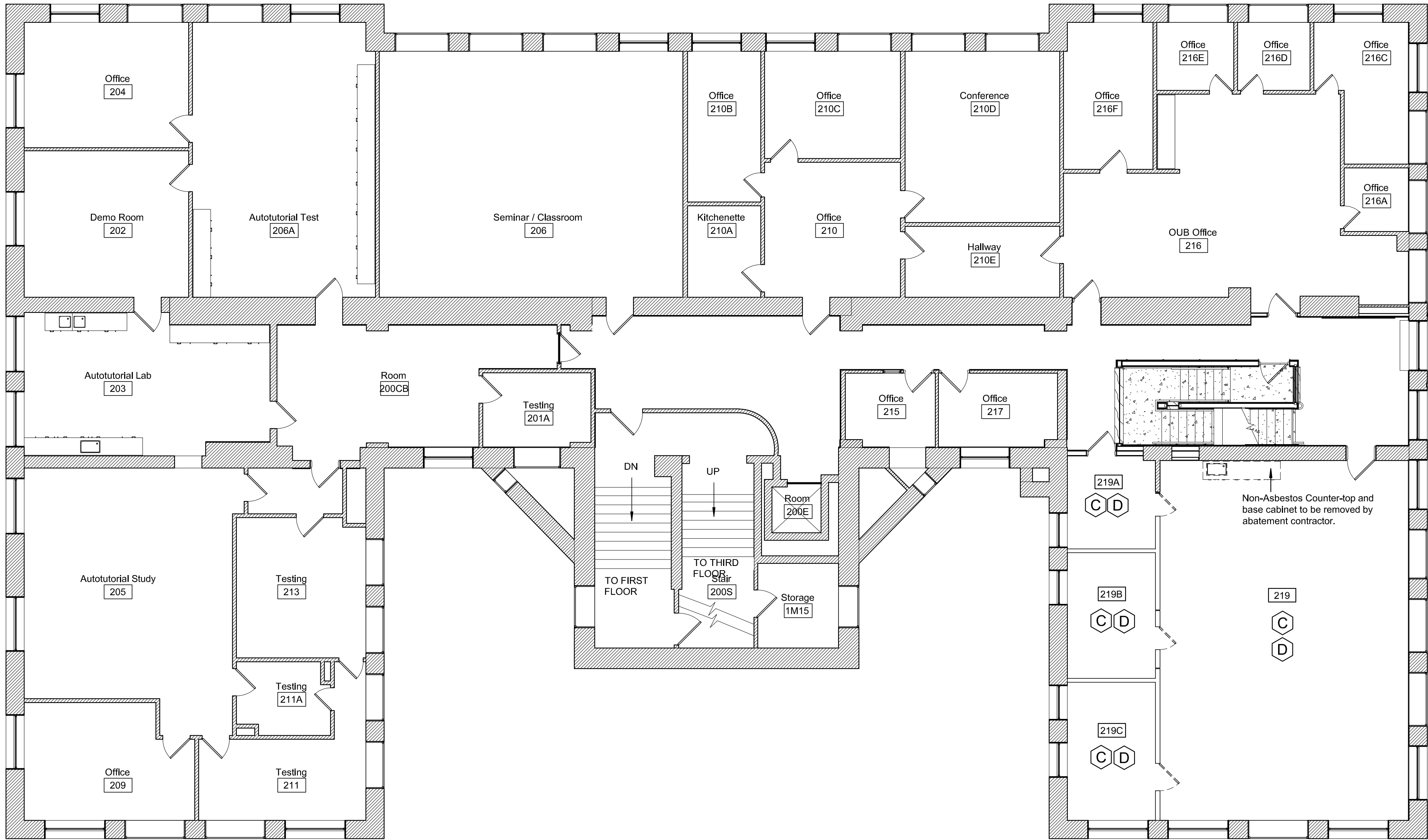
Stimson Hall Renovations for
McGraw Enabling
SWBR Project Number 23170.00

Cornell University
Ithaca, NY 14853

AR-101

First Floor Asbestos
Abatement Plan and
Notes

February 16, 2024
100% Construction
Documents



1 Second Floor Asbestos Abatement Plan
1/8" = 1'-0"

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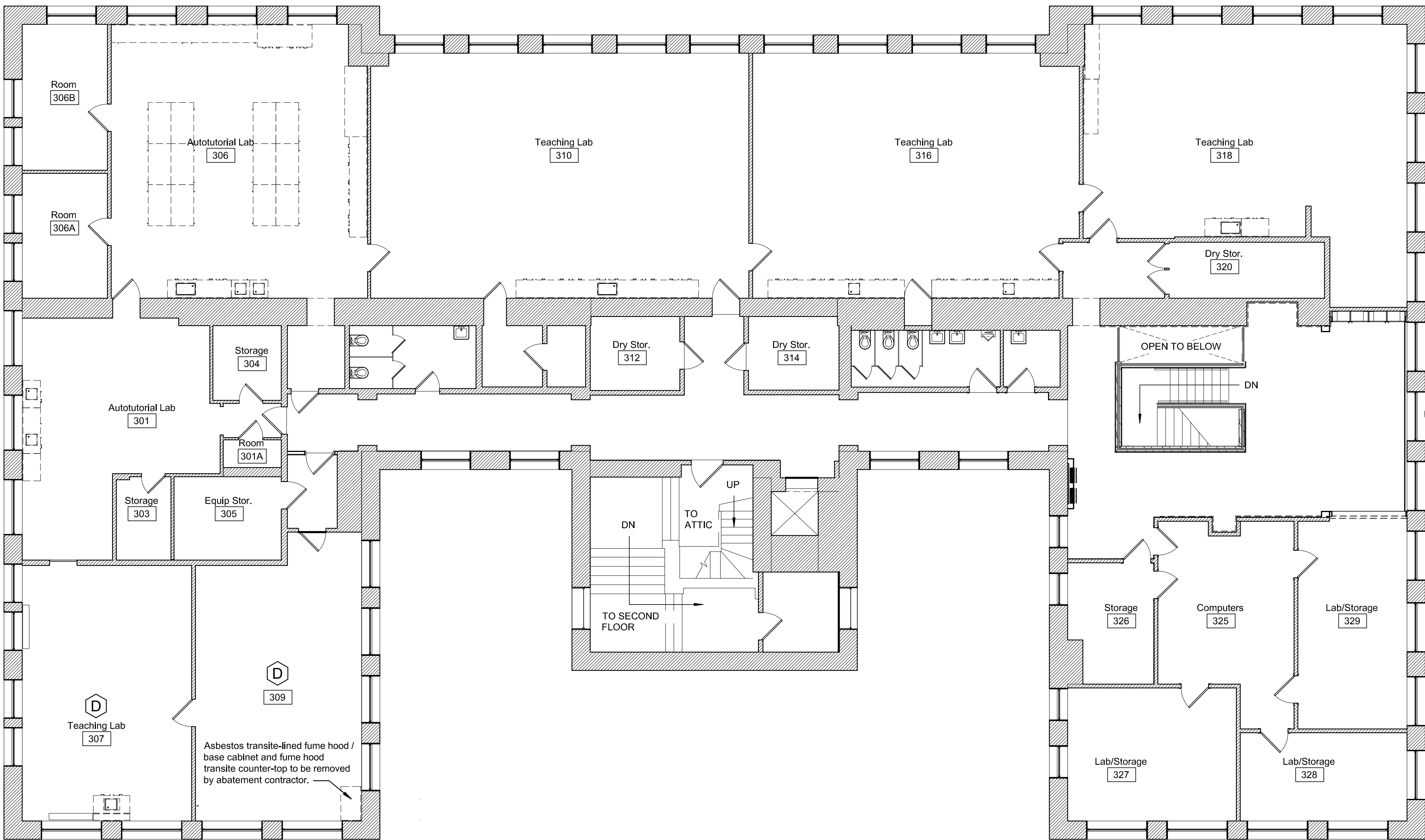
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Checked By: WTJ
Project Manager: SMP

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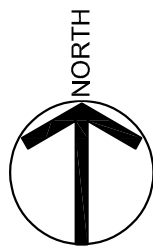
Stimson Hall Renovations for McGraw Enabling
SWBR Project Number 23170.00

Cornell University
Ithaca, NY 14853



1 Third Floor Asbestos Abatement Plan

1/8" = 1'-0"



ASBESTOS ABATEMENT LEGEND AND KEYED NOTES

SYMBOL DESCRIPTION

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Checked By: WTJ

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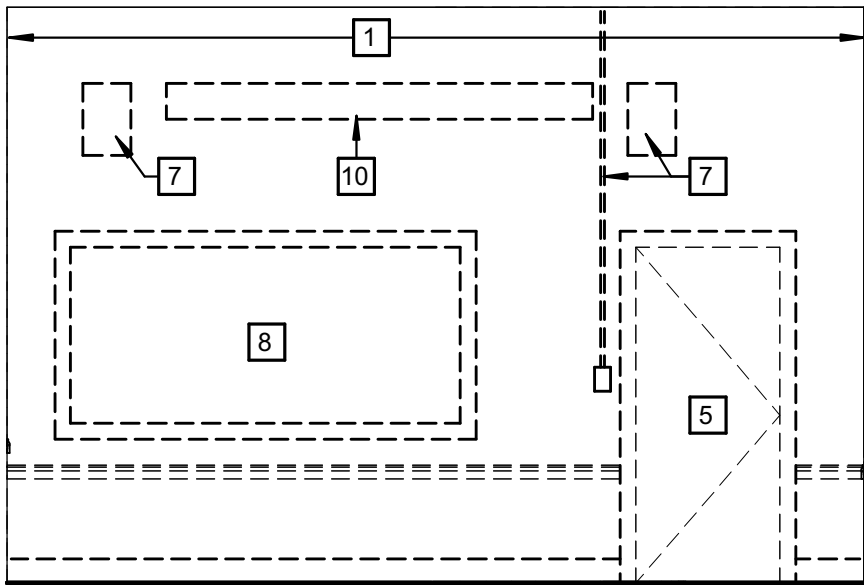
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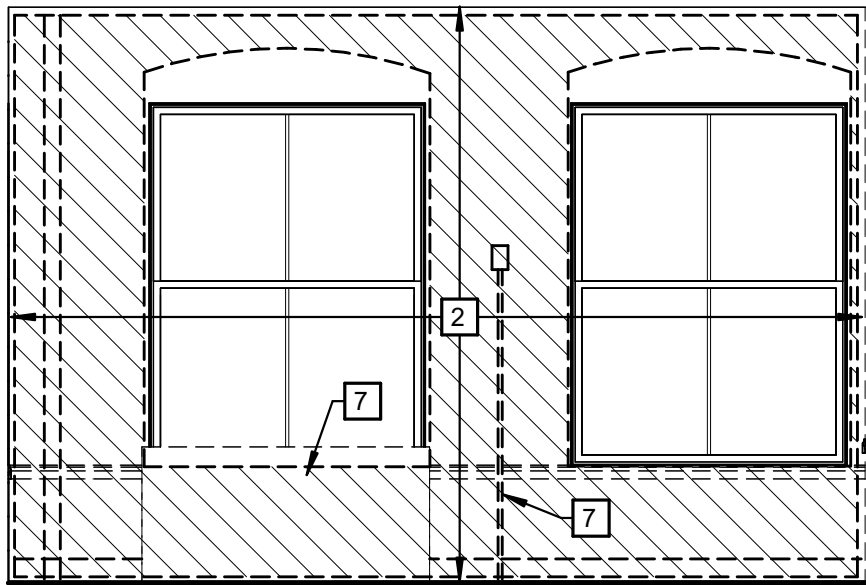
AR-103

Third Floor Asbestos
Abatement Plan

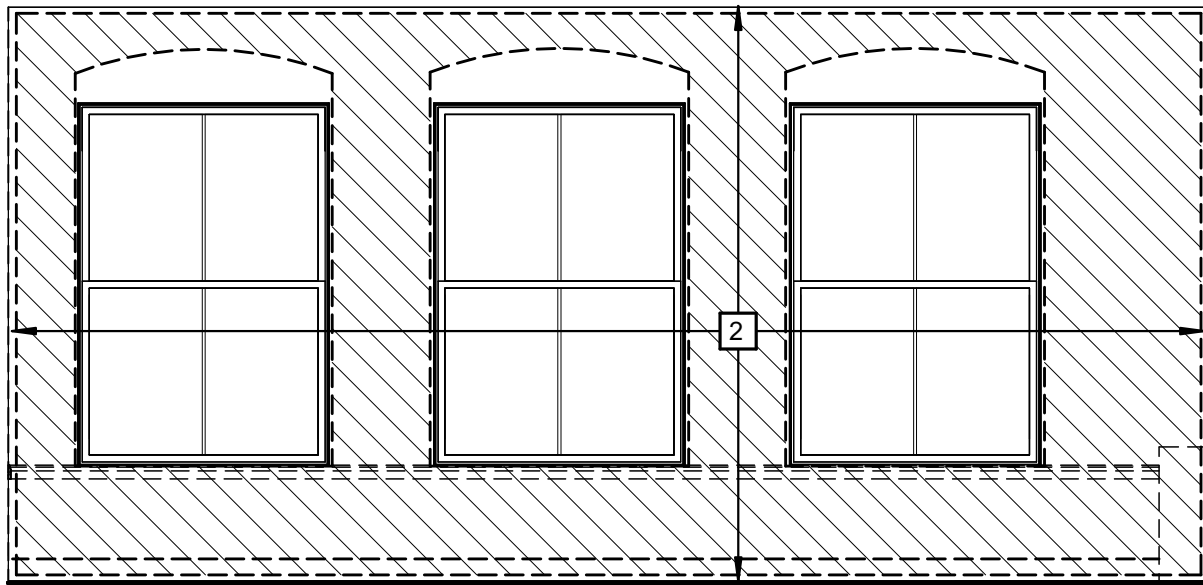
February 16, 2024
100% Construction
Documents



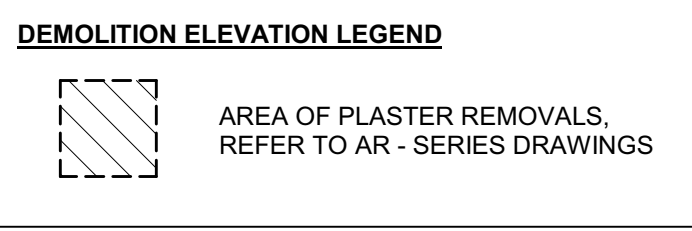
11 DEMOLITION ELEVATION INTERIOR - 105 NORTH
1/4" = 1'-0"



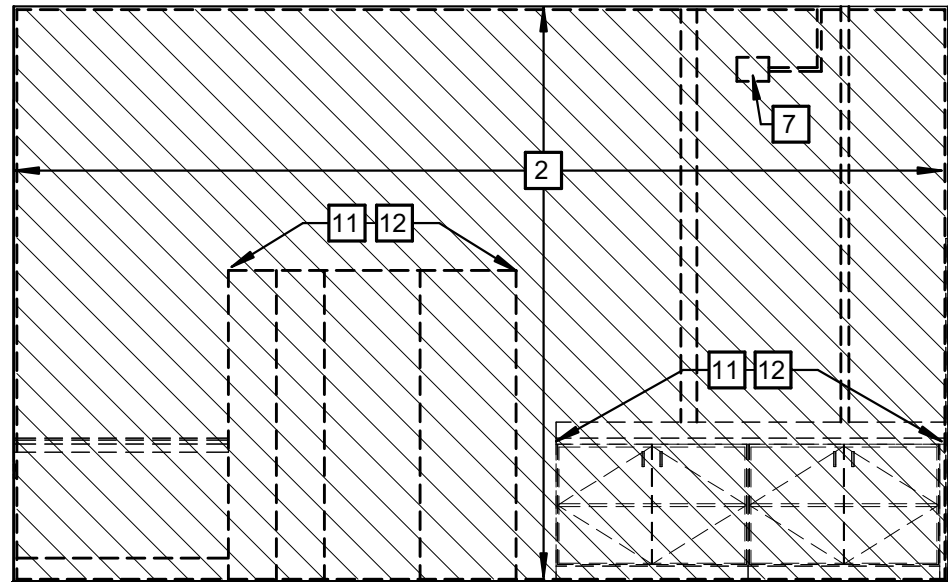
10 DEMOLITION ELEVATION INTERIOR - 105 SOUTH
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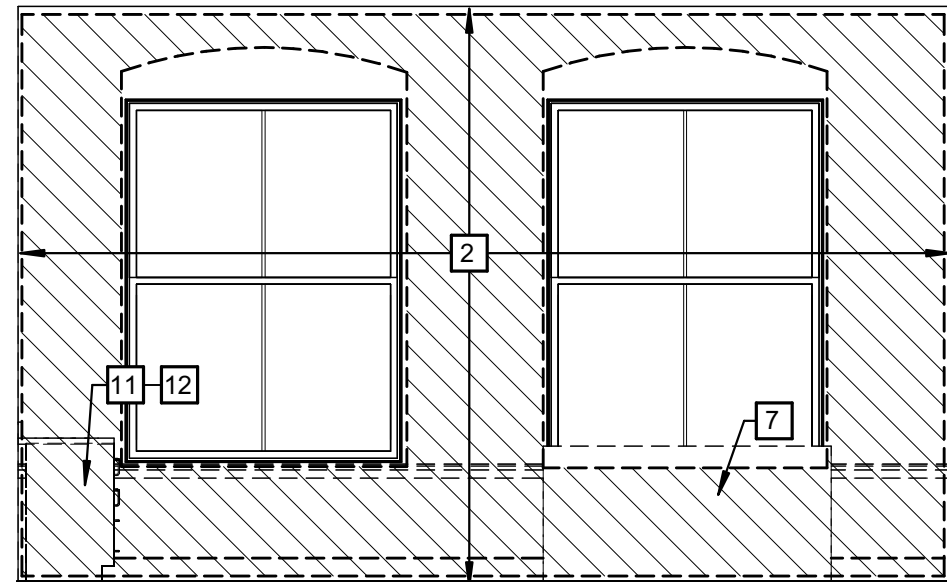
9 DEMOLITION ELEVATION INTERIOR - 105 EAST
1/4" = 1'-0"



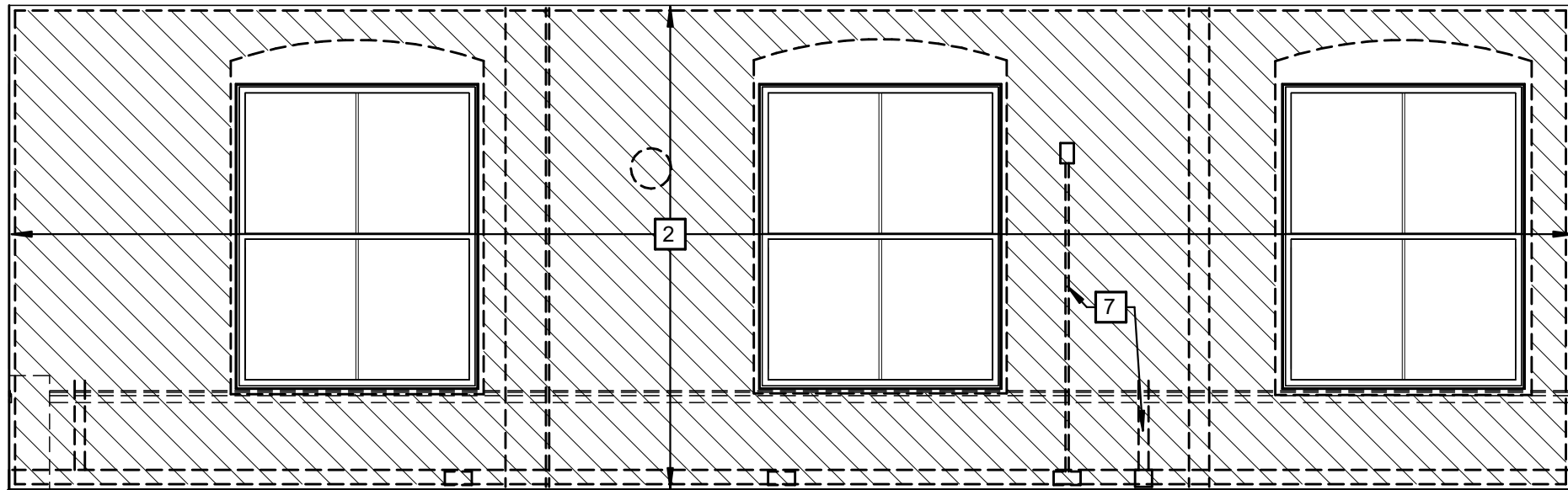
DEMOLITION NOTES	
SHOWN AS ON PLAN	
NO.	DESCRIPTION
1	REMOVE NON-LOAD BEARING INTERIOR WALL PARTITION. PATCH AND REPAIR WALLS AND INFILL ADJACENT SURFACES AND /OR TO RECIEVE NEW FINISH WHERE INDICATED. EXIST GYP BD FINISH WITHIN 1'-0" OF ACM PLASTER CEILINGS AND WALLS TO BE REMOVED UNDER ABATEMENT. COORDINATE WITH ABATEMENT OF HAZARDOUS MATERIALS.
2	REMOVE PLASTER AND LATH BACK TO SUBSTRATE (MASONRY OR WOOD FRAMING). REMOVE WOOD MOLDINGS, INCLUDING VERTICAL WOOD TRIM, WINDOW TRIM, CHAIR RAIL AND WALL BASE AT EXTERIOR WALLS AND WINDOWS. COORDINATE REMOVALS WITH ABATEMENT OF HAZARDOUS MATERIALS
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20	EXISTING DRYWALL PARTITION TO REMAIN.
21	PROVIDE TEMPORARY HARD WALL PARTITION AT FIRST FLOOR WORK AREA.



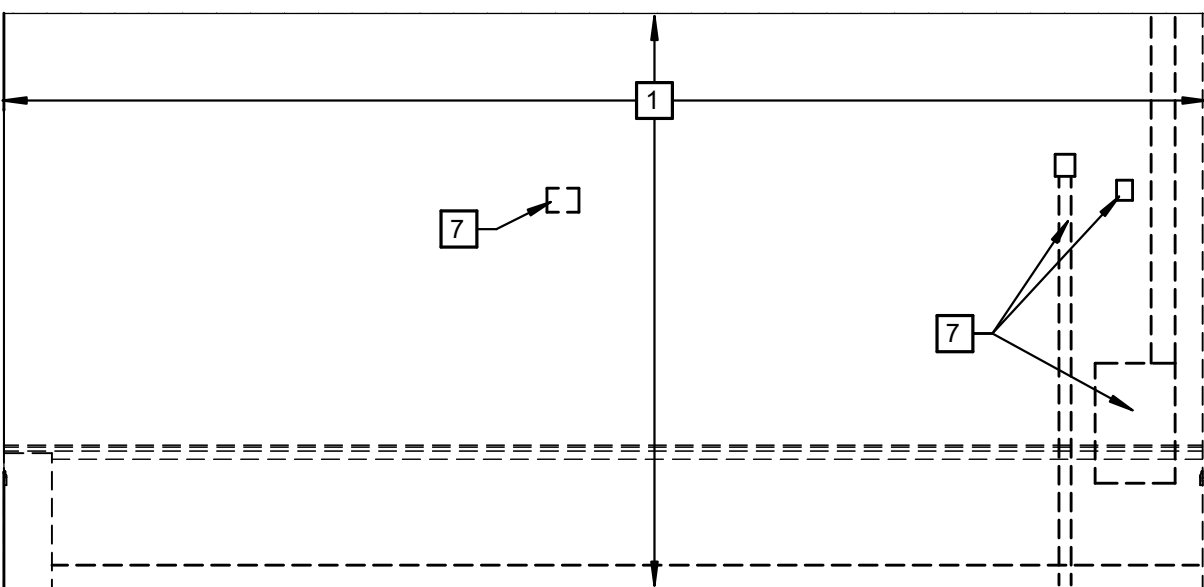
8 DEMOLITION ELEVATION INTERIOR 107 NORTH
1/4" = 1'-0"



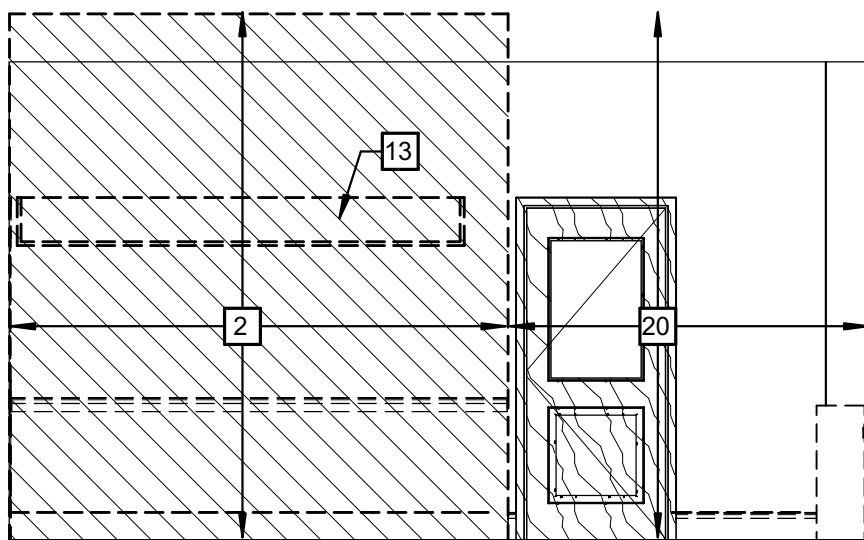
7 DEMOLITION ELEVATION INTERIOR - 107 SOUTH
1/4" = 1'-0"



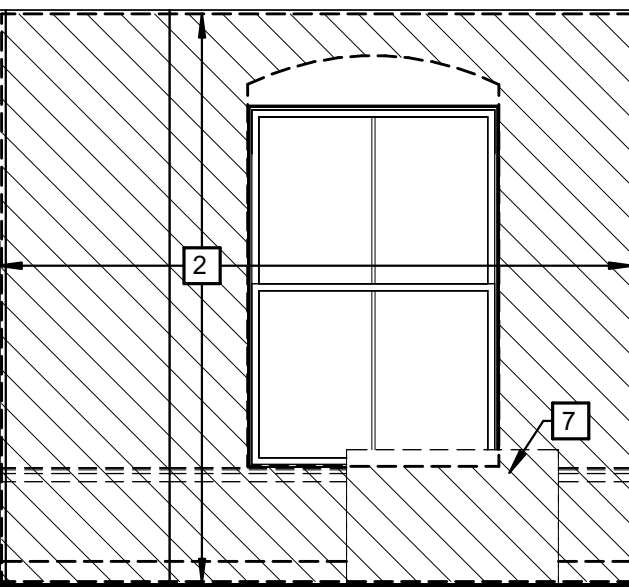
6 DEMOLITION ELEVATION INTERIOR - 107 WEST
1/4" = 1'-0"



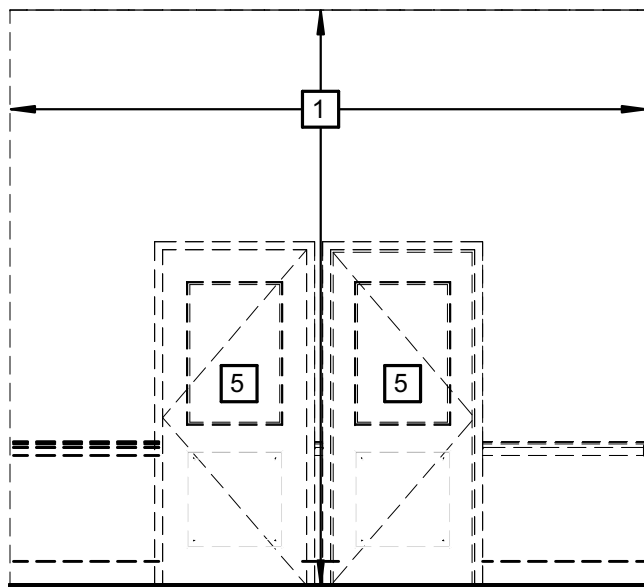
5 DEMOLITION ELEVATION INTERIOR - 105 WEST
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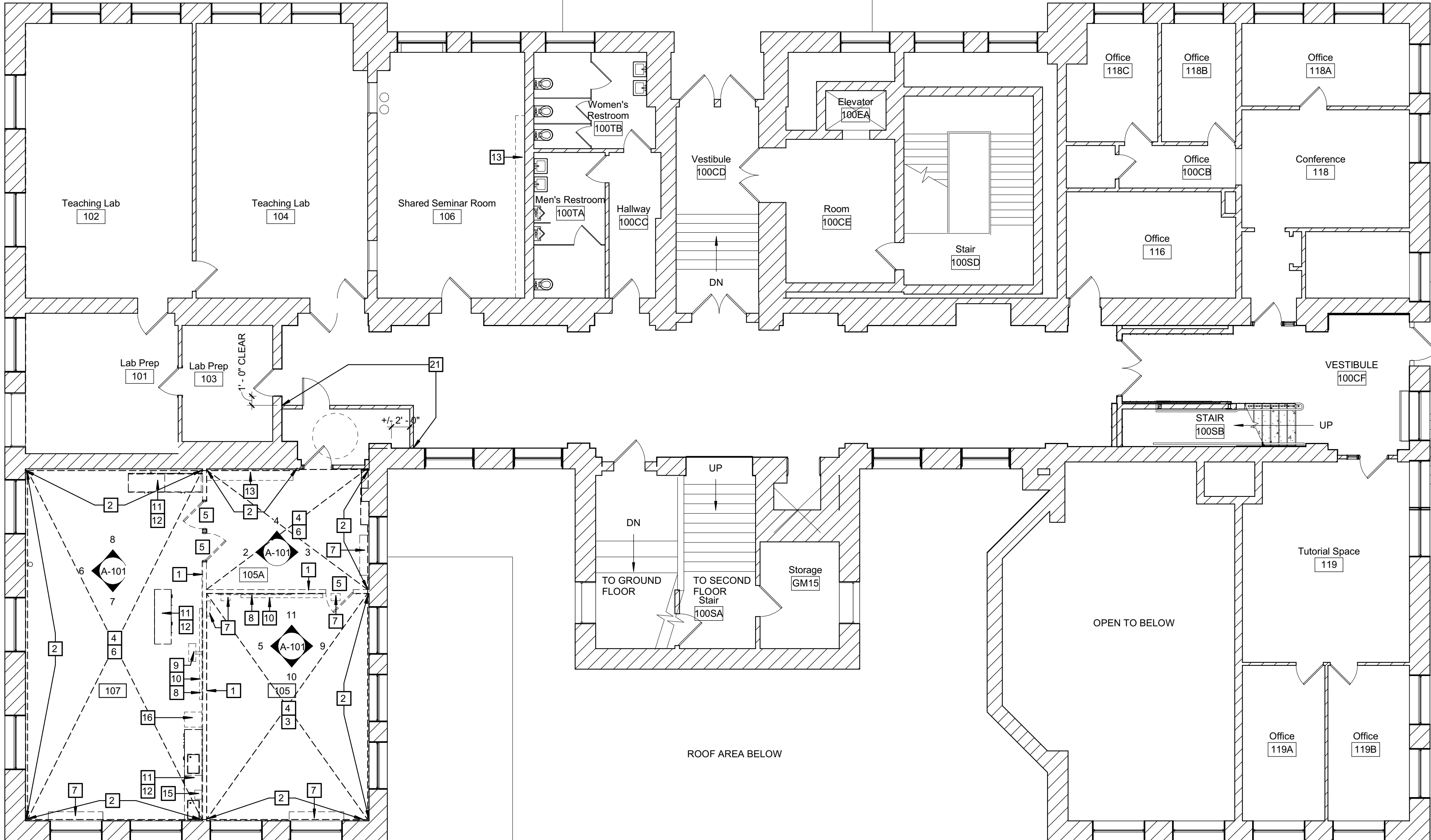
4 DEMOLITION ELEVATION INTERIOR - 105A NORTH
1/4" = 1'-0"



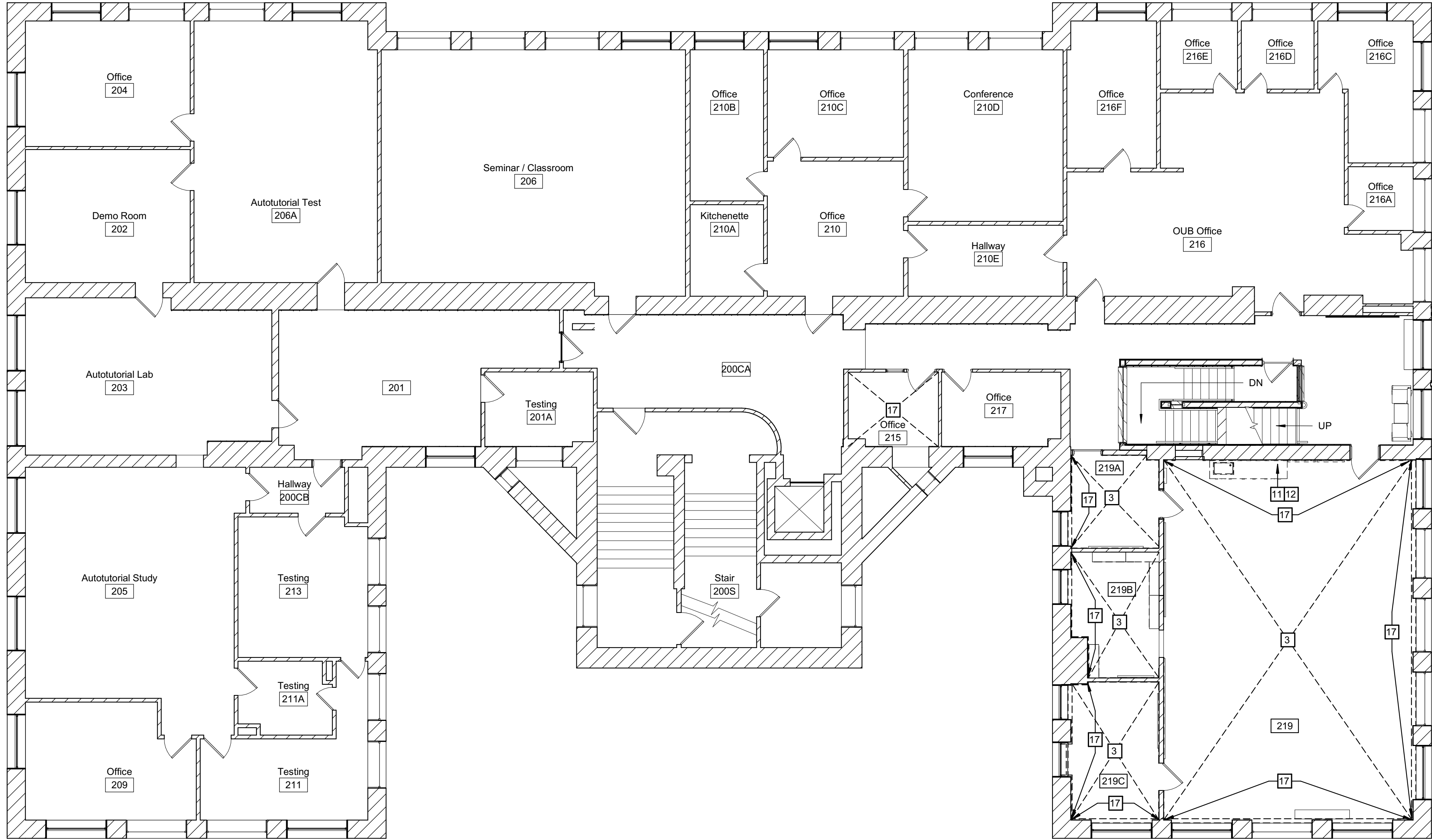
3 DEMO ELEVATION INTERIOR - 105A EAST
1/4" = 1'-0"



2 DEMO ELEVATION INTERIOR - 105A WEST
1/4" = 1'-0"



1 FIRST FLOOR DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



1

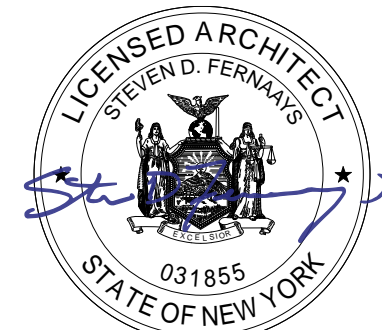
SECOND FLOOR DEMOLITION PLAN - OVERALL

1/8" = 1'-0"

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SWBR

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315 488 5635 | rochester@swbr.com
SWBR NYS Certificate of
Authorization #: 235221



Issue Date: 02/20/24
Registration Expires: 11/30/24

Drawn By: KEP
Checked By: DMKS
Project Manager: LHW

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Revisions

Stimson Hall Renovations for
McGraw Enabling
SWBR Project Number 23170.00

Cornell University
Ithaca, NY 14853

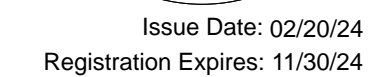
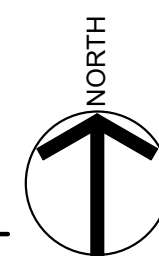
A-102

Second Floor
Demolition Plan

February 16, 2024
100% Construction
Documents



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Drawn By:	KEP
Checked By:	DMKS
Project Manager:	LHW

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Revisions

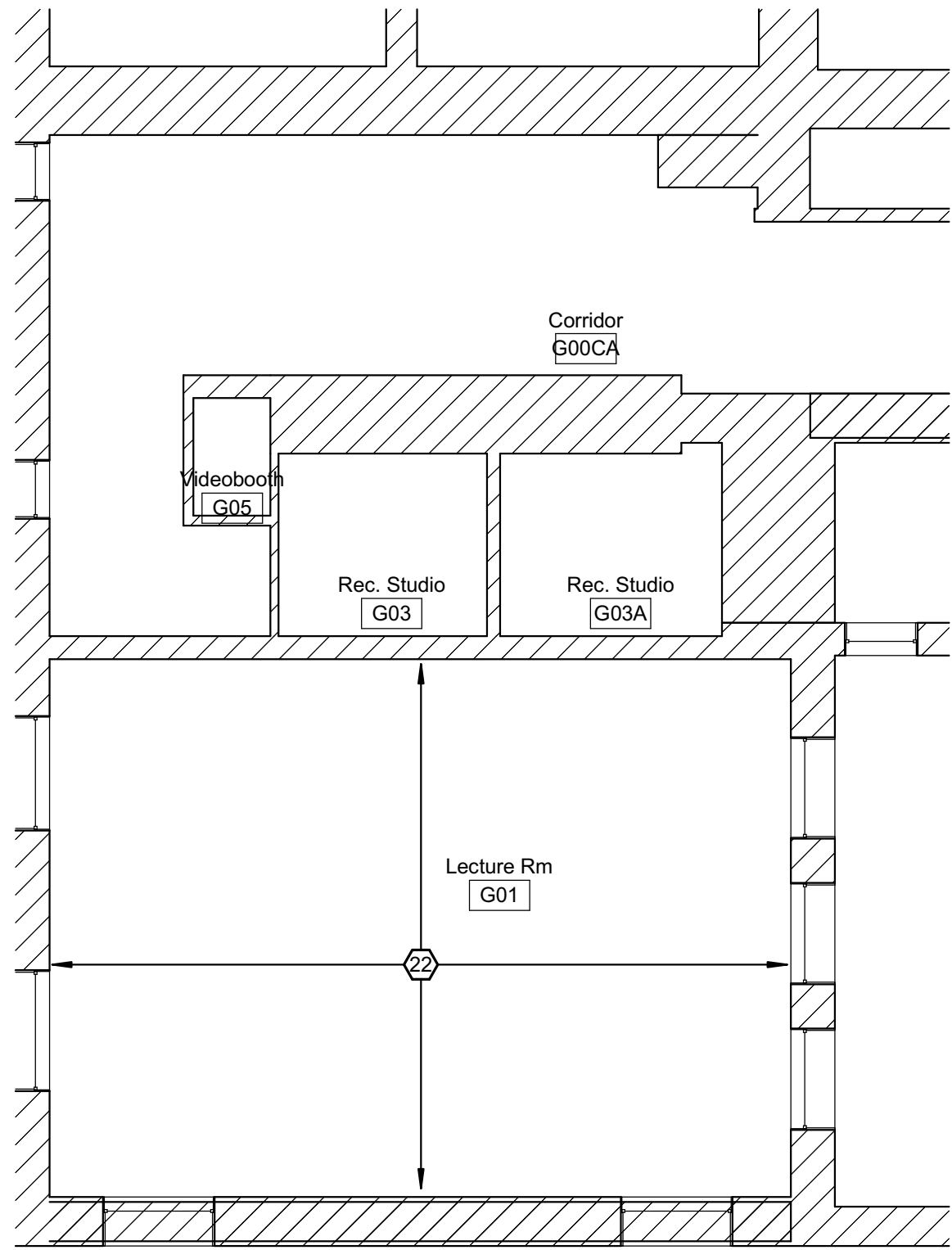
Stimson Hall Renovations for McGraw Enabling
SWBR Project Number 23170.00

Cornell University
Ithaca, NY 14853

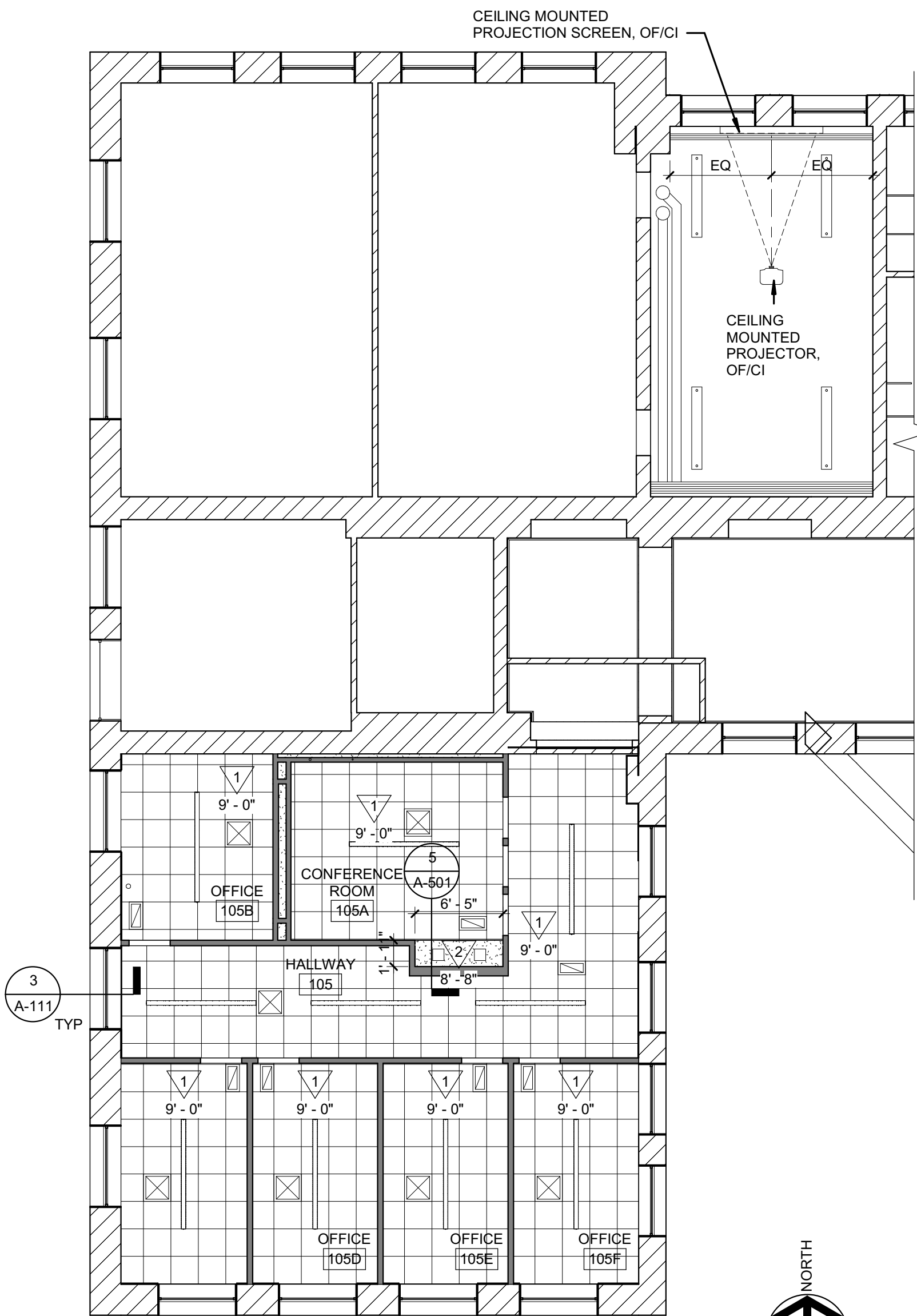
A-103

Third Floor Demolition Plan & Elevations

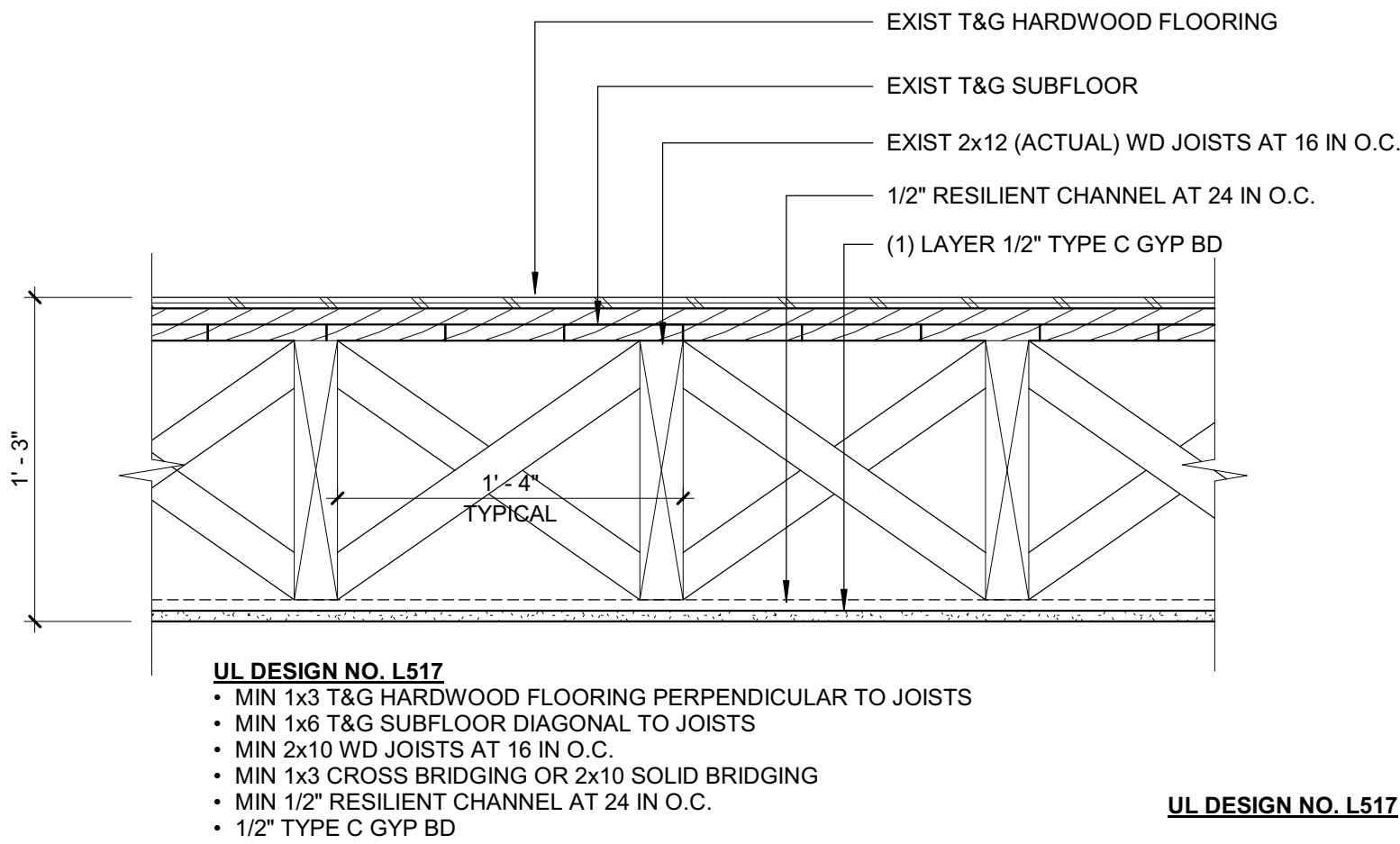
February 16, 2024
100% Construction
Documents



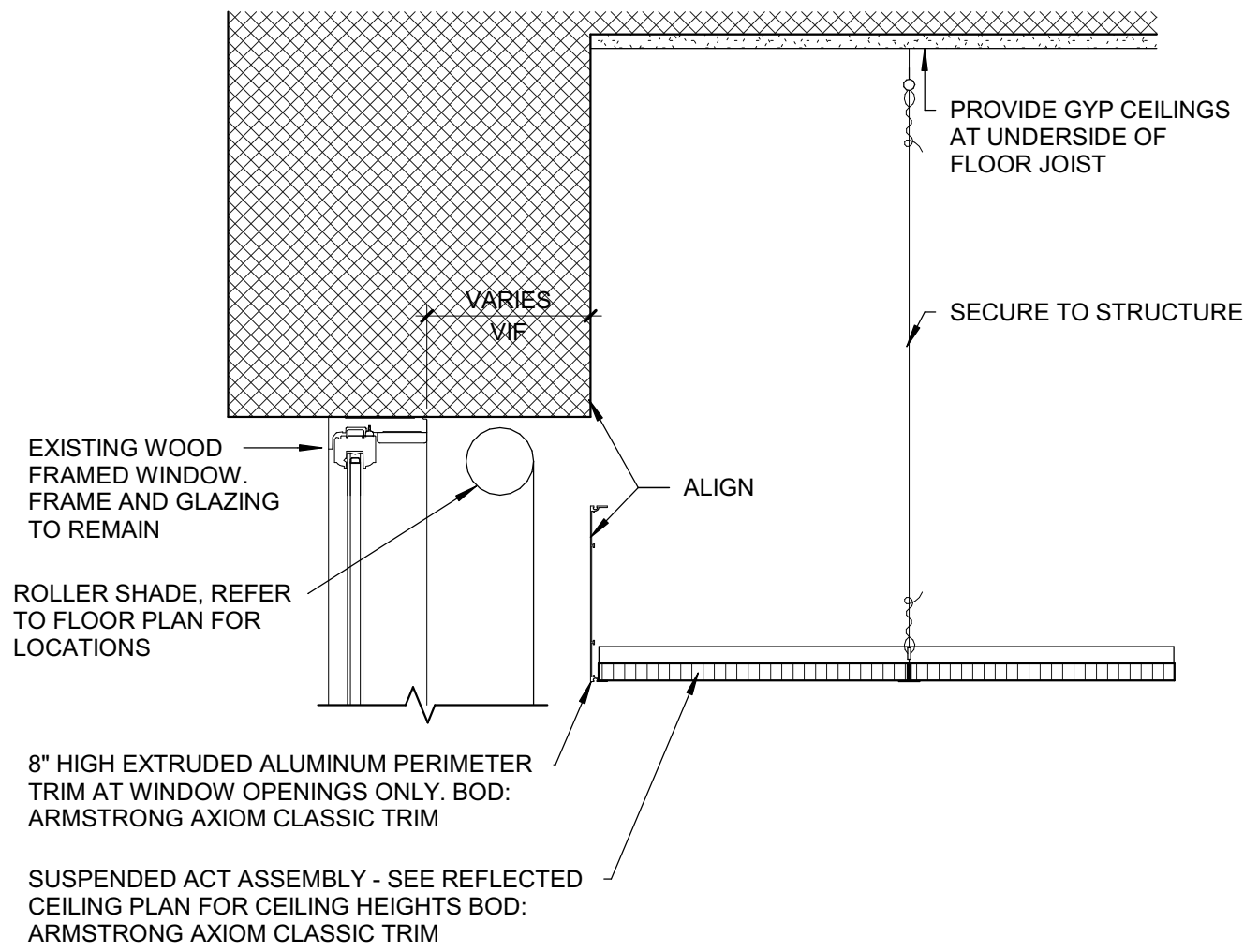
5 Ground Floor Plan Partial Reflected Ceiling Plan
1/8" = 1'-0"



2 First Floor Partial Reflected Ceiling Plan
1/8" = 1'-0"



4 1HR Fire Resistance Rated Floor / Ceiling Detail
1 1/2" = 1'-0"



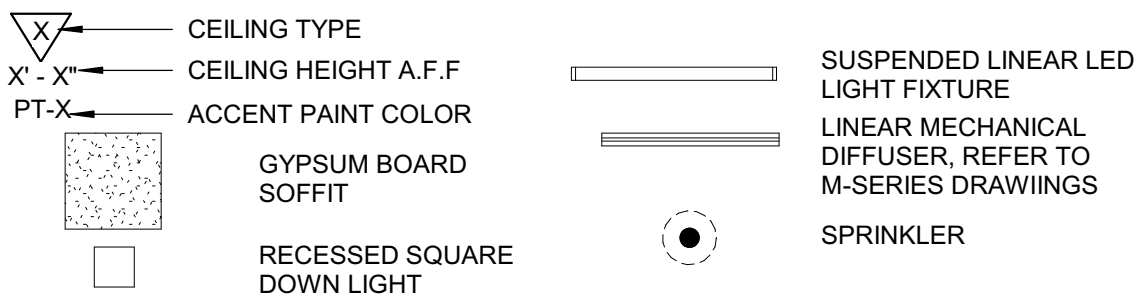
3 SOFFIT DETAIL AT WINDOW
1 1/2" = 1'-0"

PLAN KEY NOTES

SHOWN AS ON PLAN

NO.	DESCRIPTION
1	PROVIDE SOLID SURFACE COUNTERTOP WITH PLAM BASE CABINETS AND WALL CABINETS.
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3	PROVIDE VINYL SIGNAGE, REFER TO INTERIOR ELEVATIONS.
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13	INSTALL REFRIGERATOR, OF/CI.
14	INSTALL AND ANCHOR BOOKCASES, OF/CI. REFER TO INTERIOR ELEVATIONS.
16	PROVIDE GYPSUM BOARD CEILING AT UNDERSIDE OF FLOOR JOIST IN ENTIRE SUITE. REFER TO DETAIL 4/A-111.
17	INSTALL STAINED WOOD TRIM AT WINDOWS, BASE & CHAIR RAIL THROUGHOUT ENTIRE ROOM.
18	INSTALL (2) EXISTING PLAQUES, OF/CI.
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24	PROVIDE PAINTED "A" GRADE VENEERED PLYWOOD CORNER INFILL BOX TO MATCH COLOR AND HEIGHT OF PLAM CABINETS.

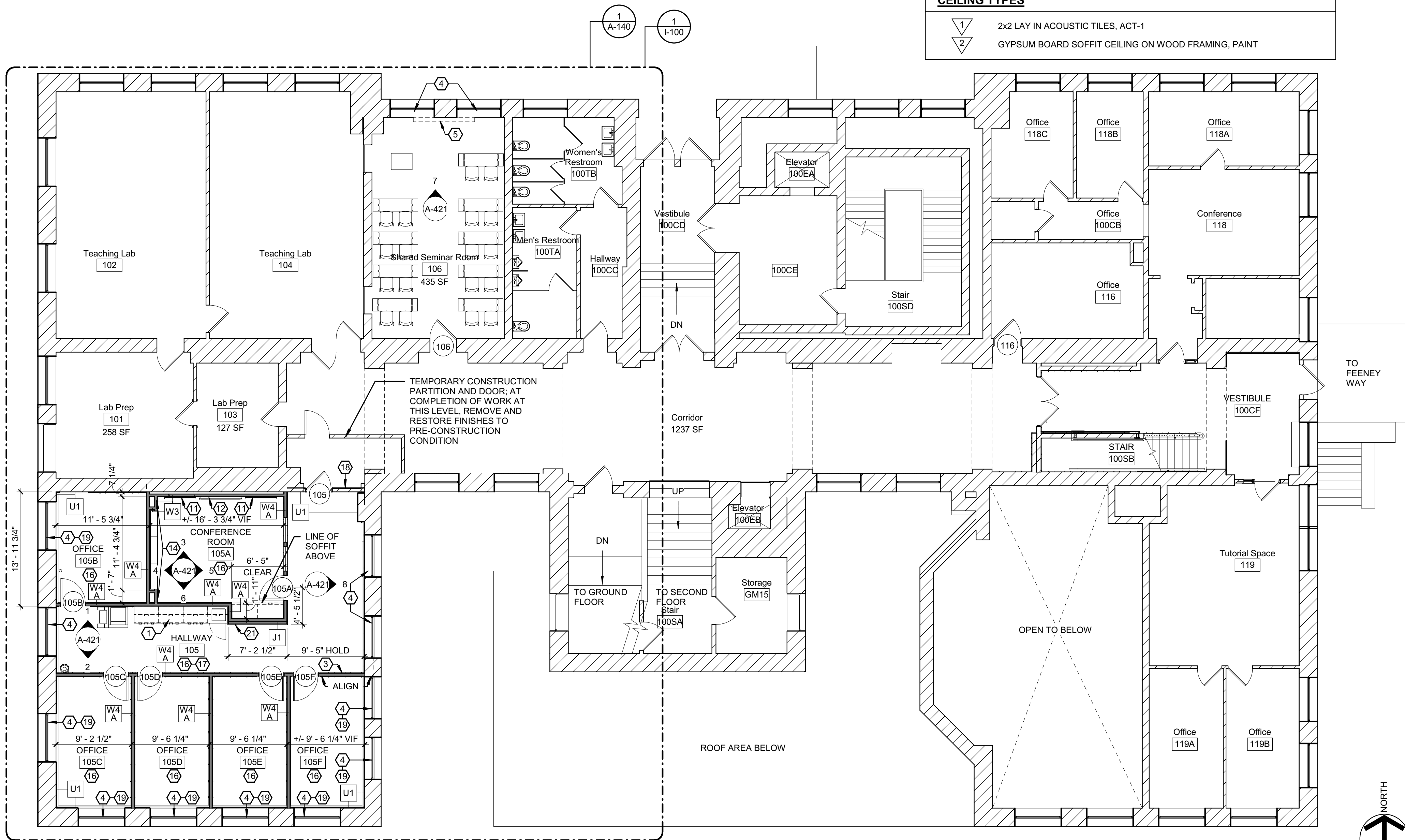
RCP LEGEND



LIGHTING NOTE: REFER TO E-SERIES DRAWINGS FOR SCHEDULED LIGHT FIXTURES


CEILING TYPES

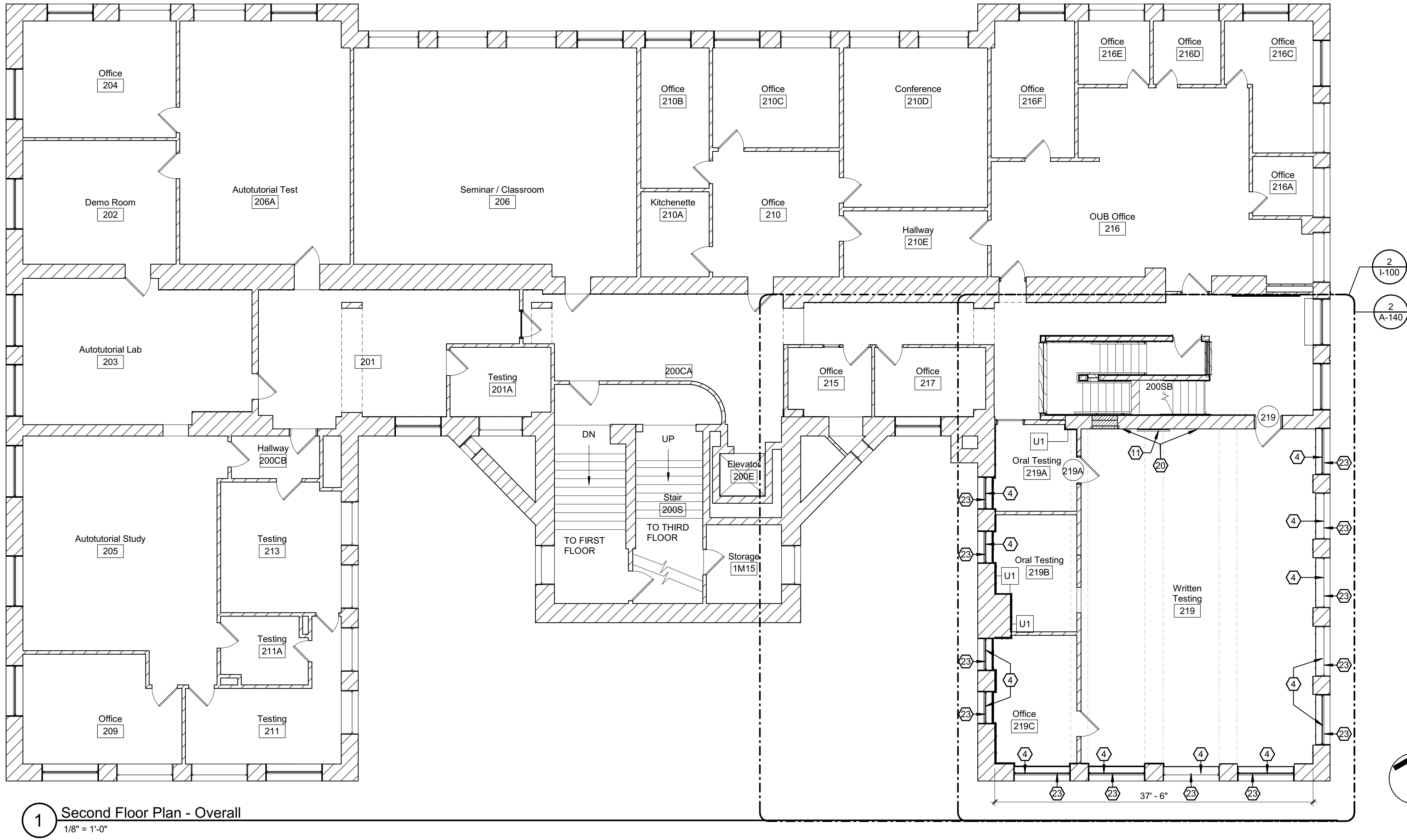
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2 GYPSUM BOARD SOFFIT CEILING ON WOOD FRAMING, PAINT

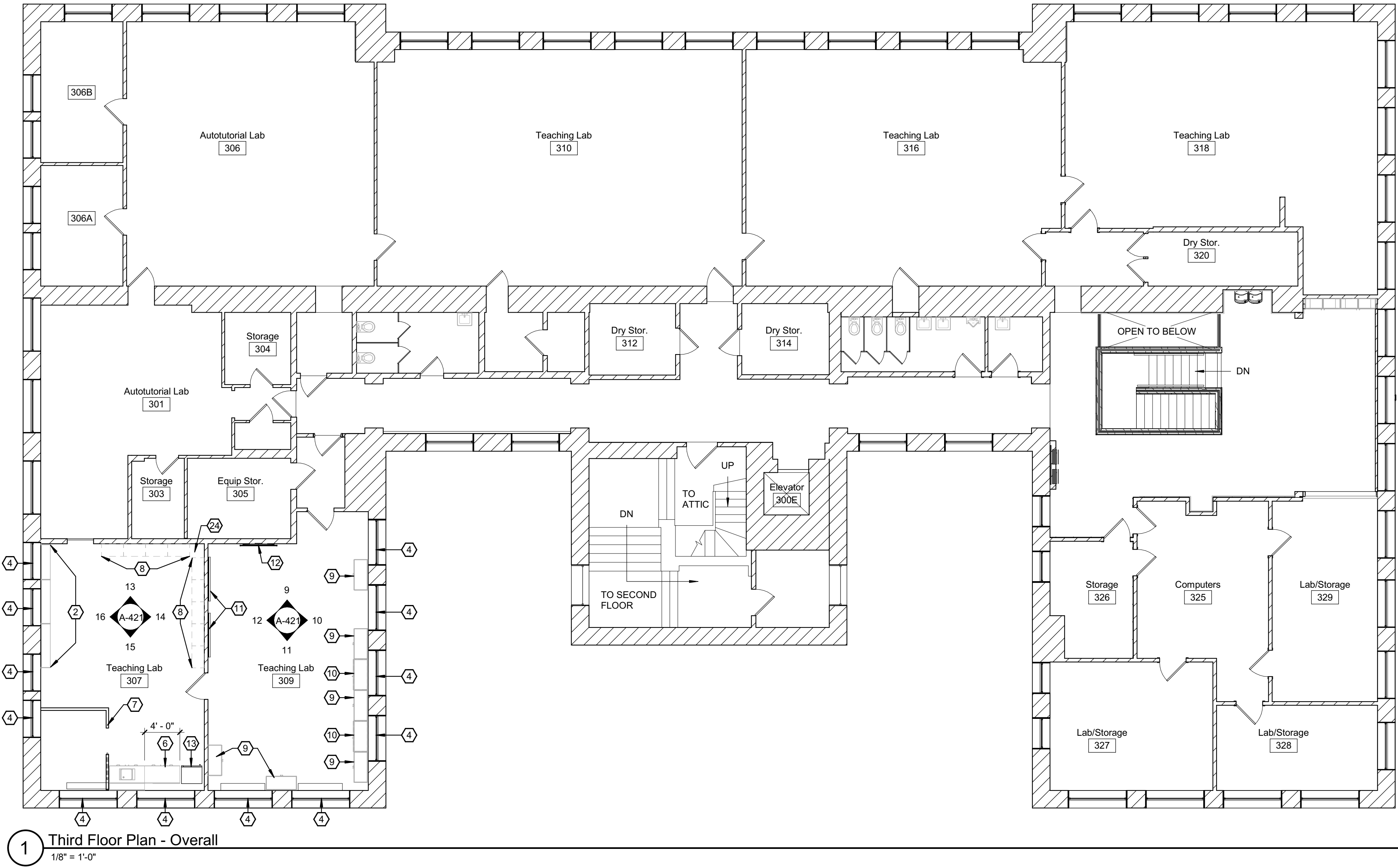



1 First Floor Plan - Overall
1/8" = 1'-0"

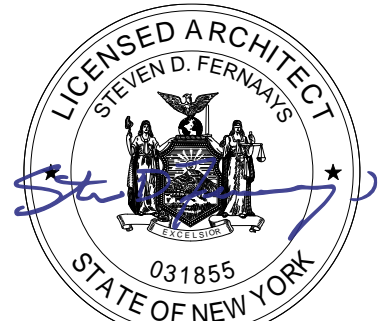
Revisions

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Drawn By: KEP
Checked By: DMKS
Project Manager: LHW

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Revisions

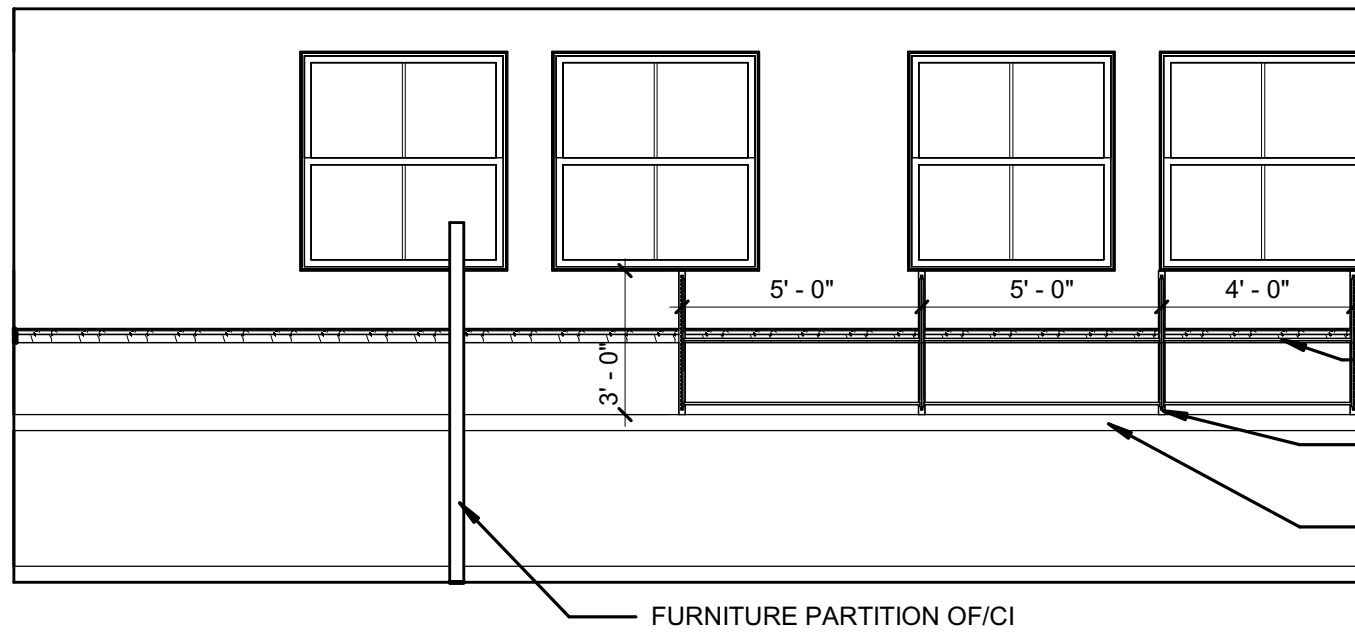
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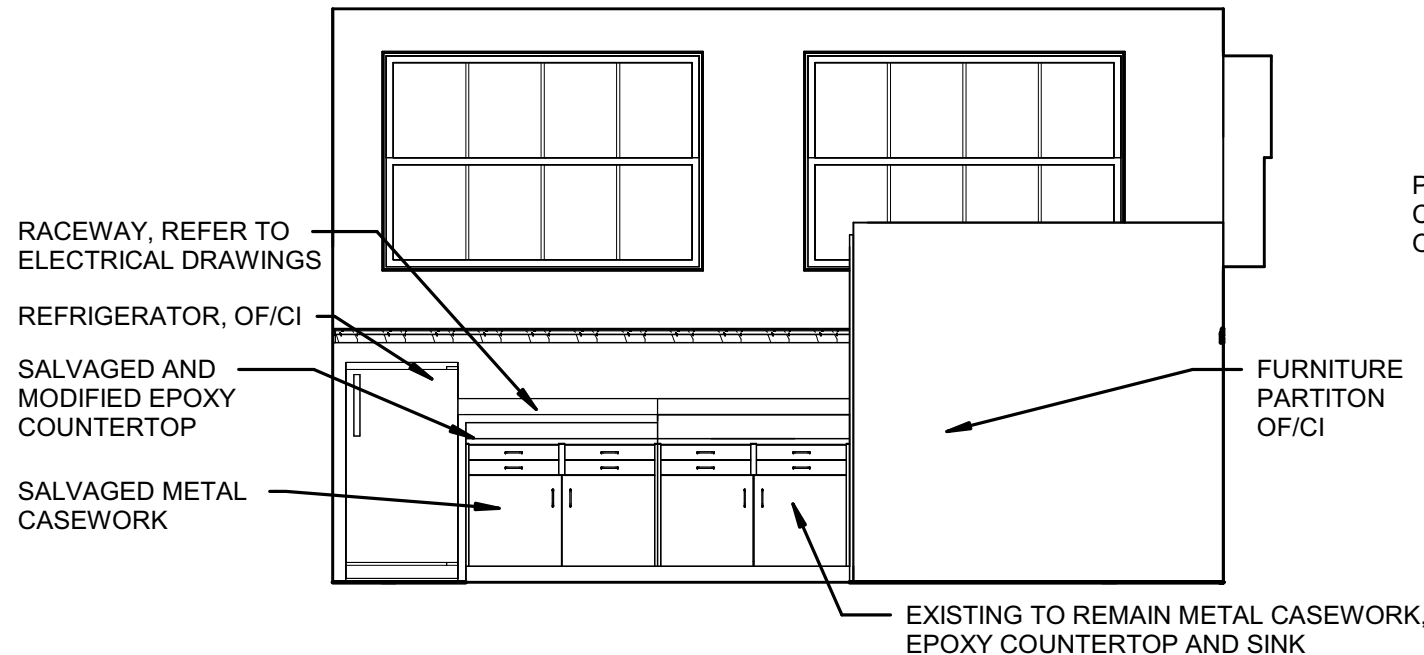
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Third Floor Plan

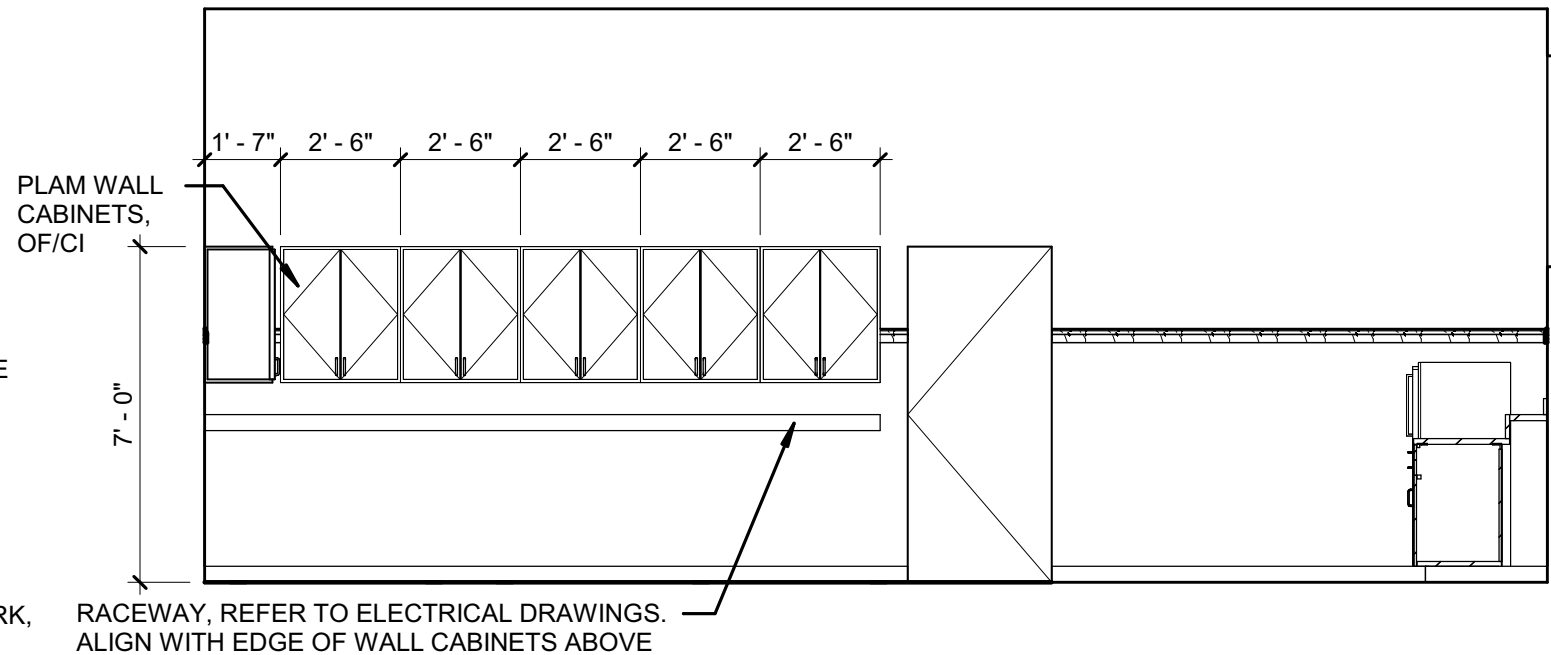
February 16, 2024
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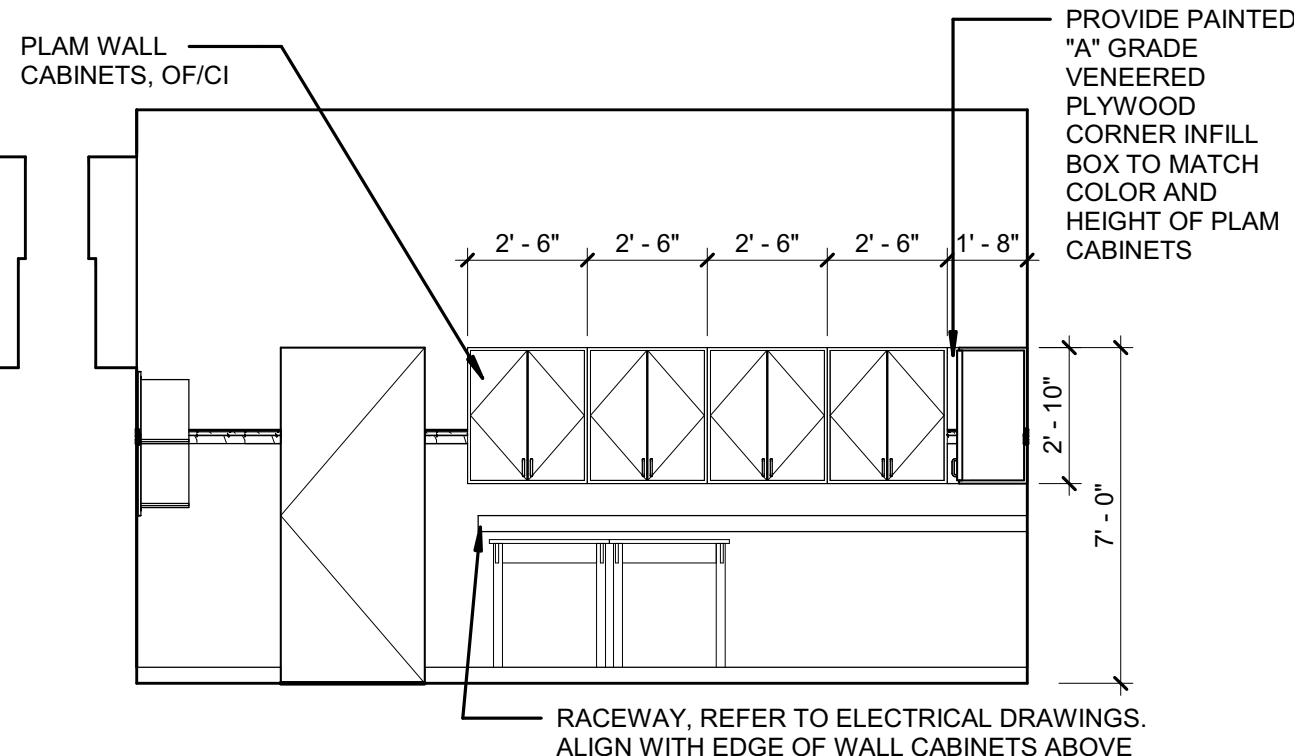
16 LANDSCAPE AND OBJECTS 307-SOUTH ELEVATION
1/4" = 1'-0"



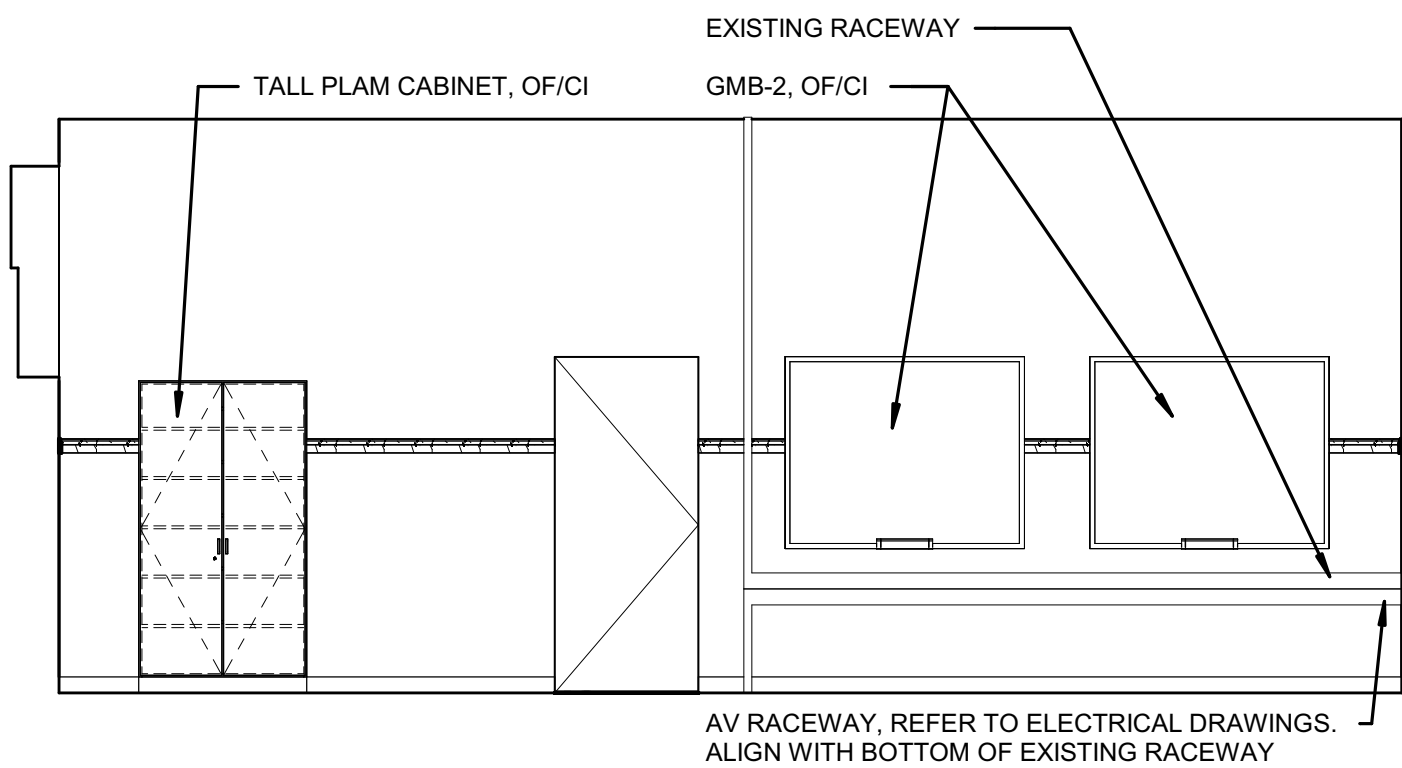
15 LANDSCAPE AND OBJECTS 307 - SOUTH ELEVATION
1/4" = 1'-0"



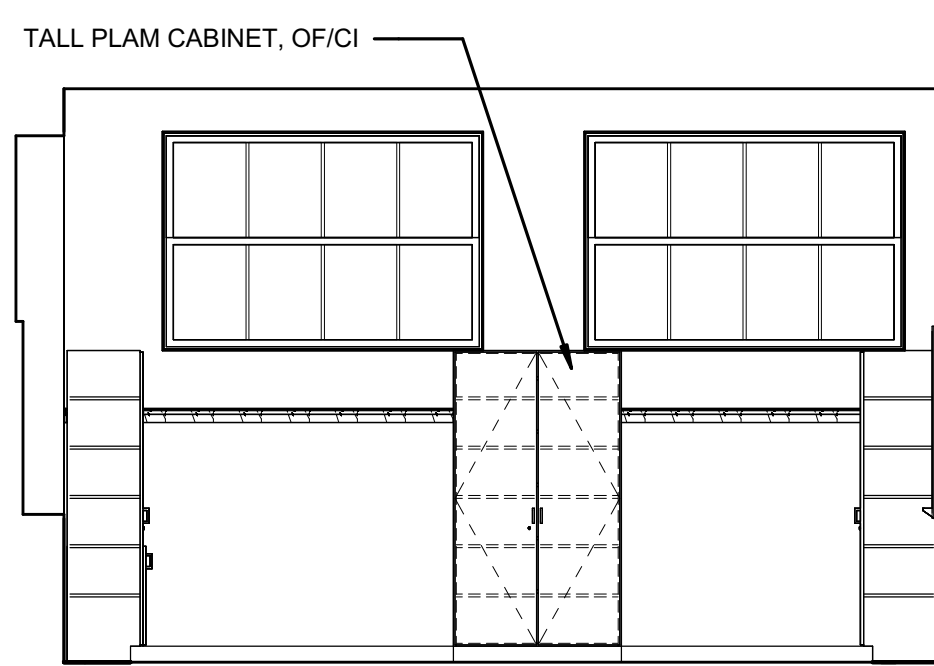
14 LANDSCAPE AND OBJECTS 307 - EAST ELEVATION
1/4" = 1'-0"



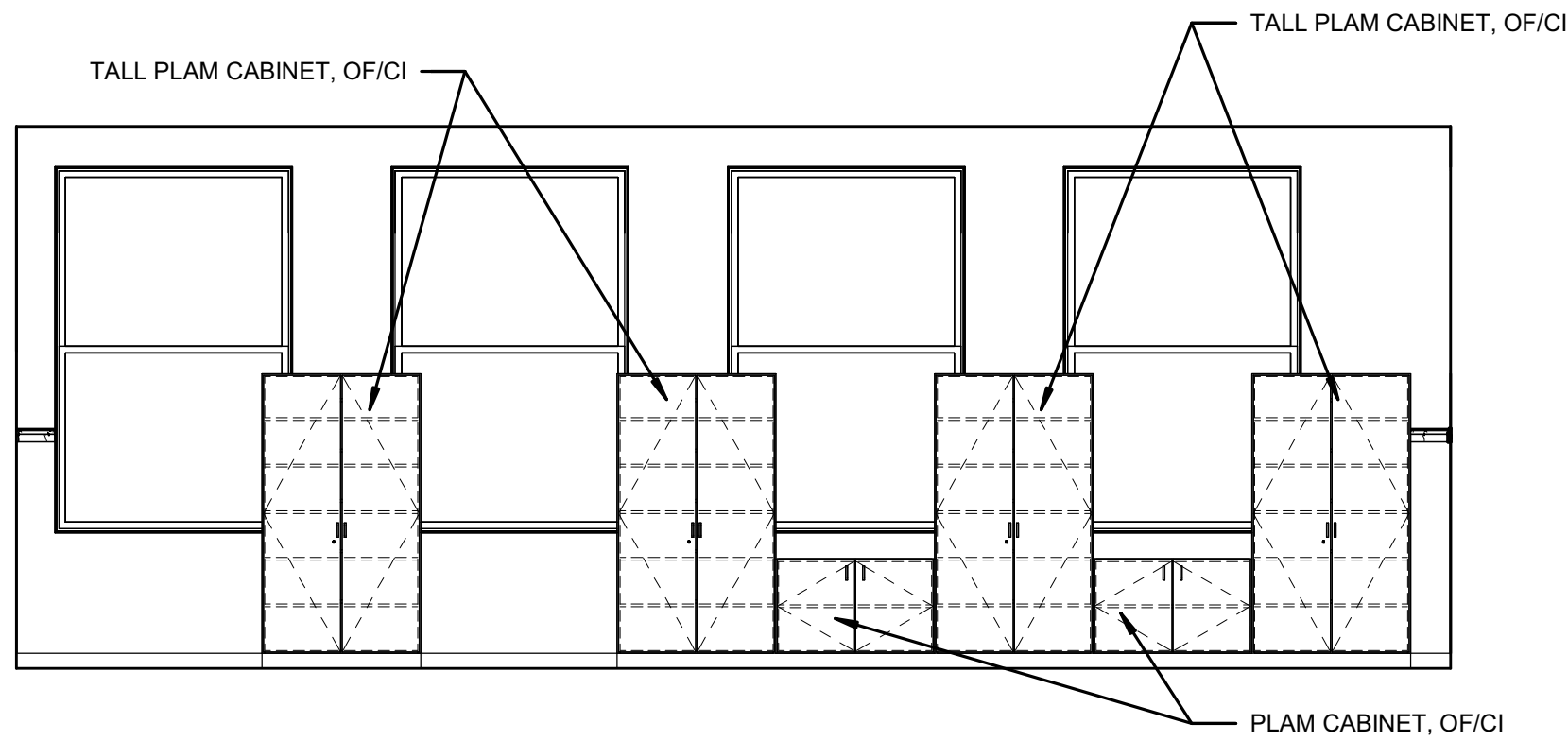
13 LANDSCAPE AND OBJECTS 307 - NORTH ELEVATION
1/4" = 1'-0"



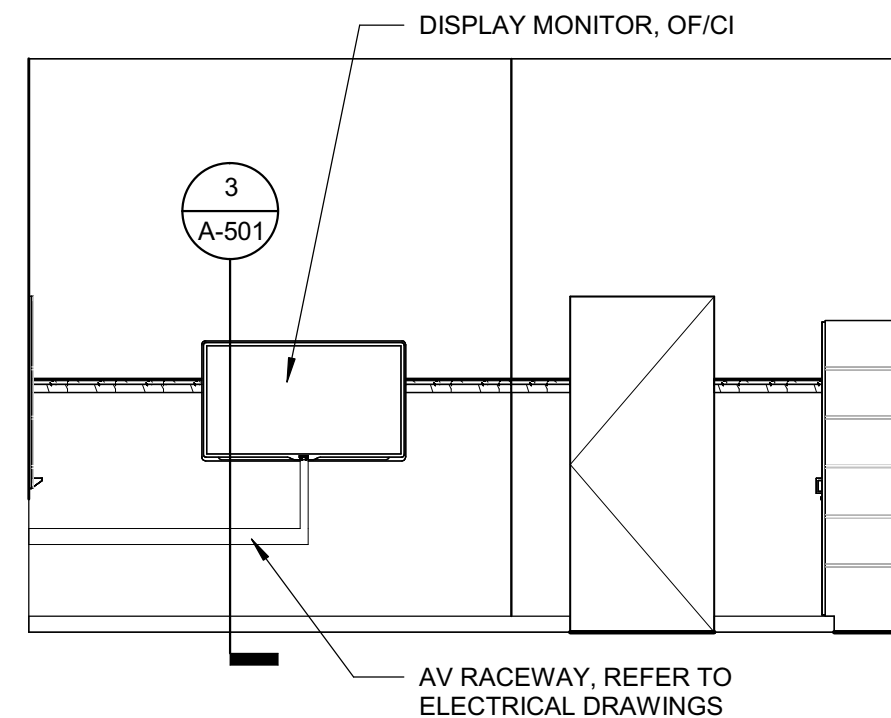
12 LANDSCAPE AND OBJECTS 309 - WEST ELEVATION
1/4" = 1'-0"



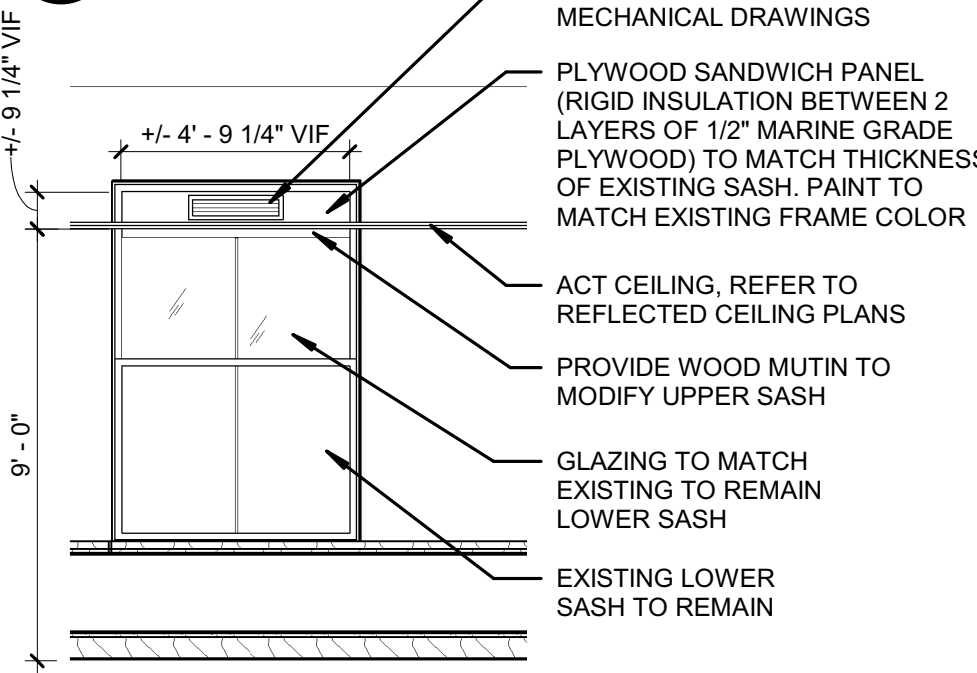
11 LANDSCAPE AND OBJECTS 309 - SOUTH ELEVATION
1/4" = 1'-0"



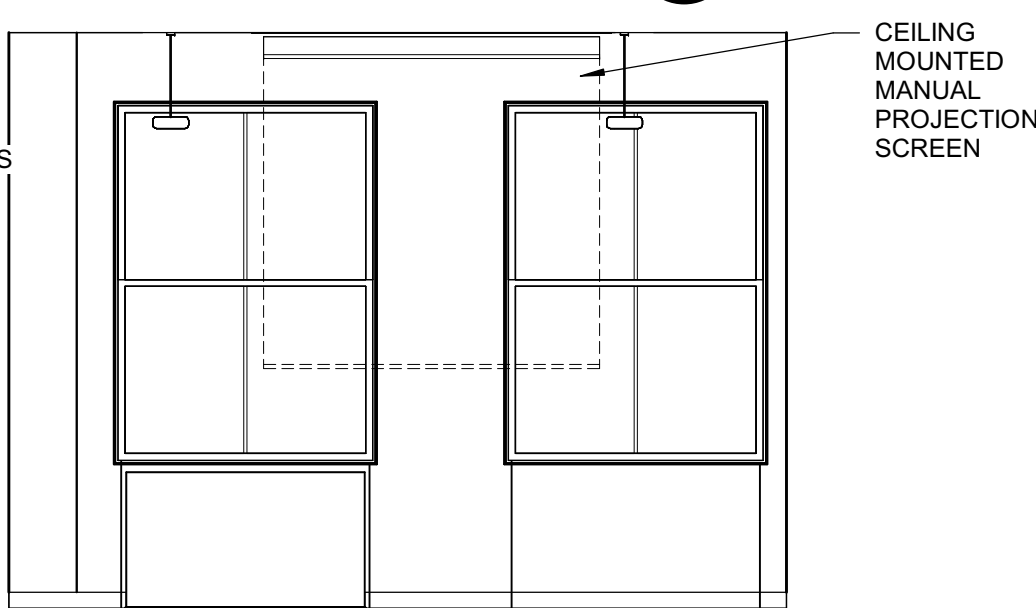
10 LANDSCAPE AND OBJECTS 309 - EAST ELEVATION
1/4" = 1'-0"



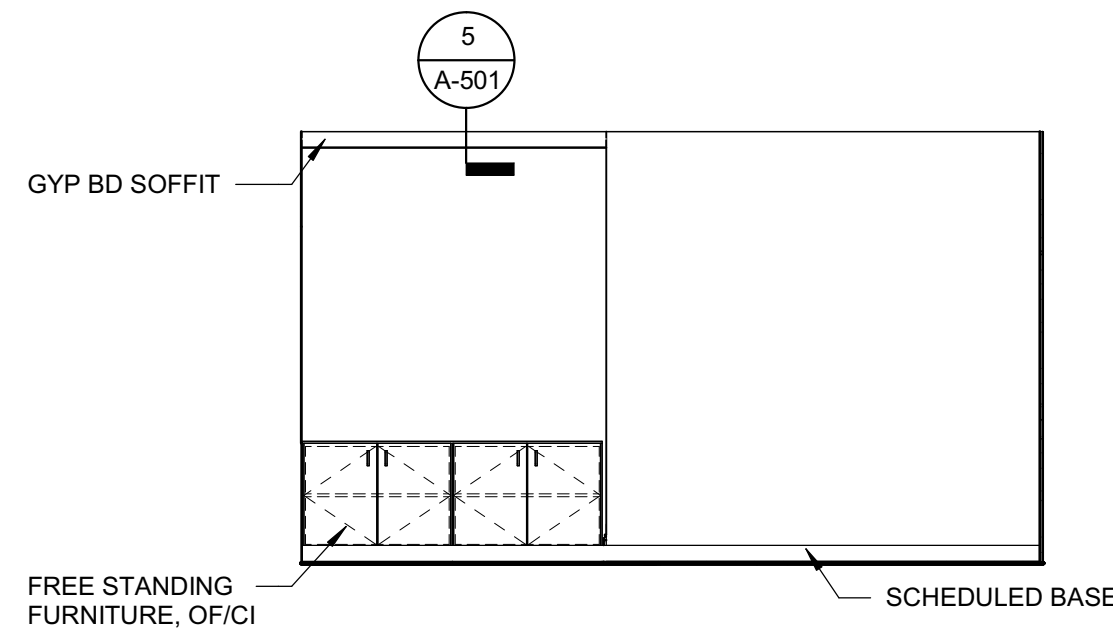
9 LANDSCAPE AND OBJECTS 309 - NORTH ELEVATION
1/4" = 1'-0"



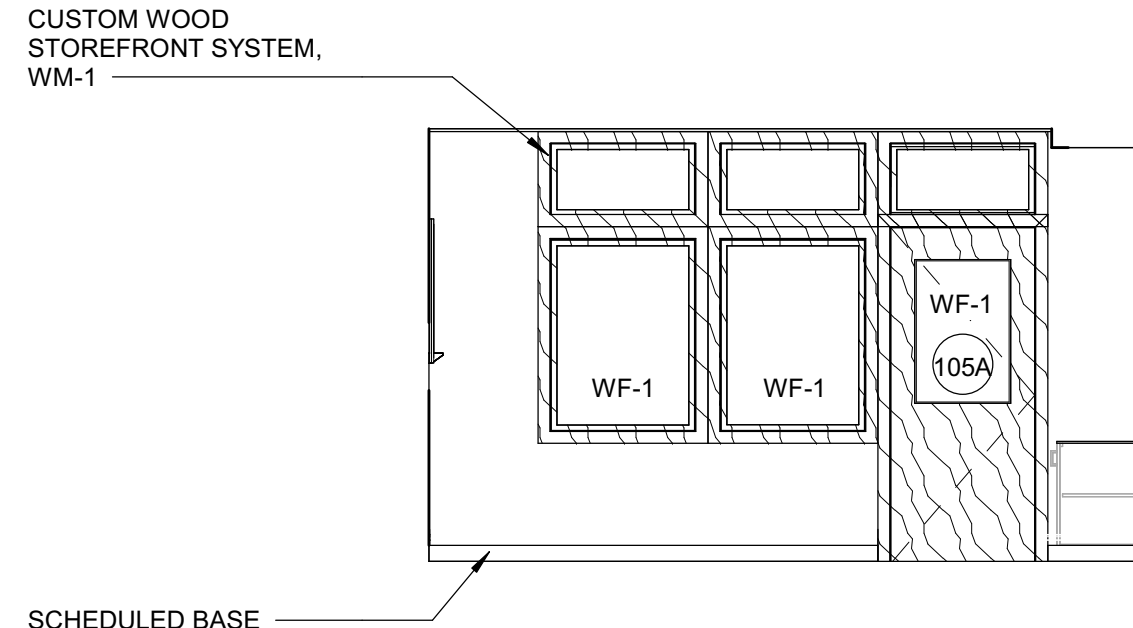
8 MODIFIED WINDOW
1/4" = 1'-0"



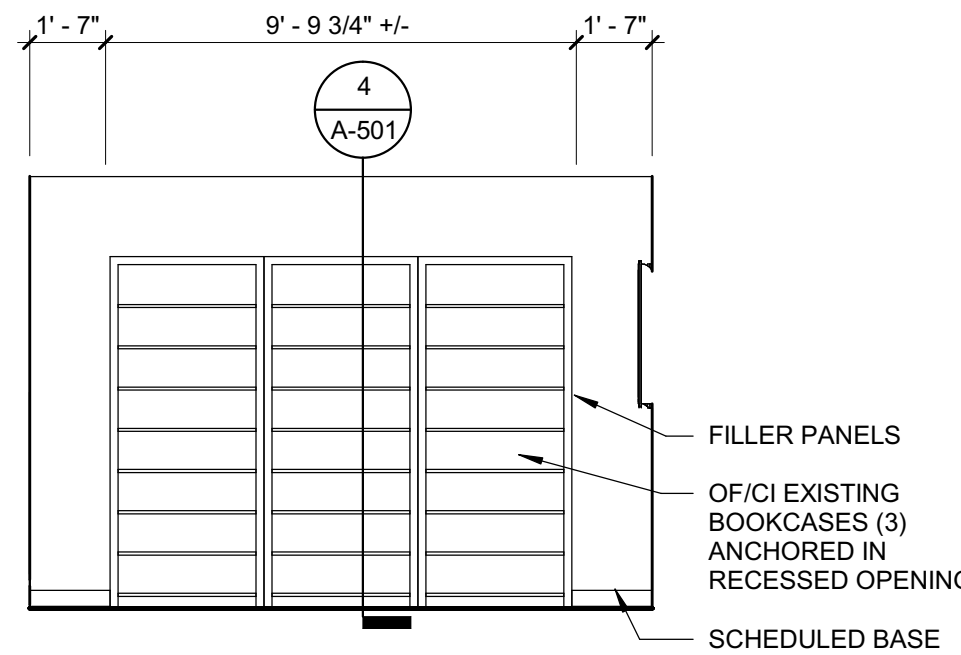
7 SHARED SEMINAR ROOM 106 - NORTH ELEVATION
1/4" = 1'-0"



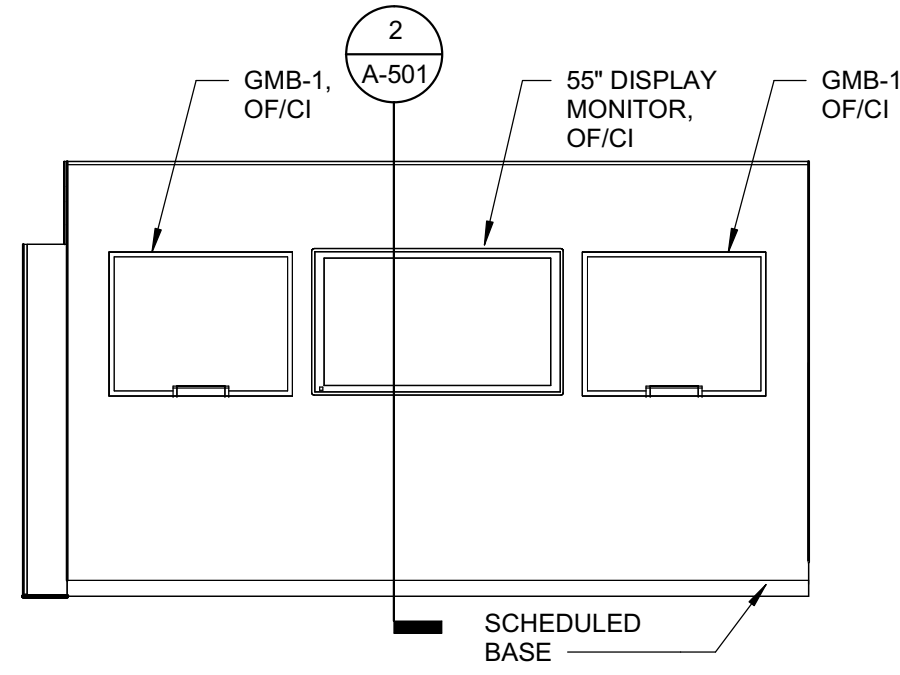
6 CONFERENCE ROOM 105A - SOUTH ELEVATION
1/4" = 1'-0"



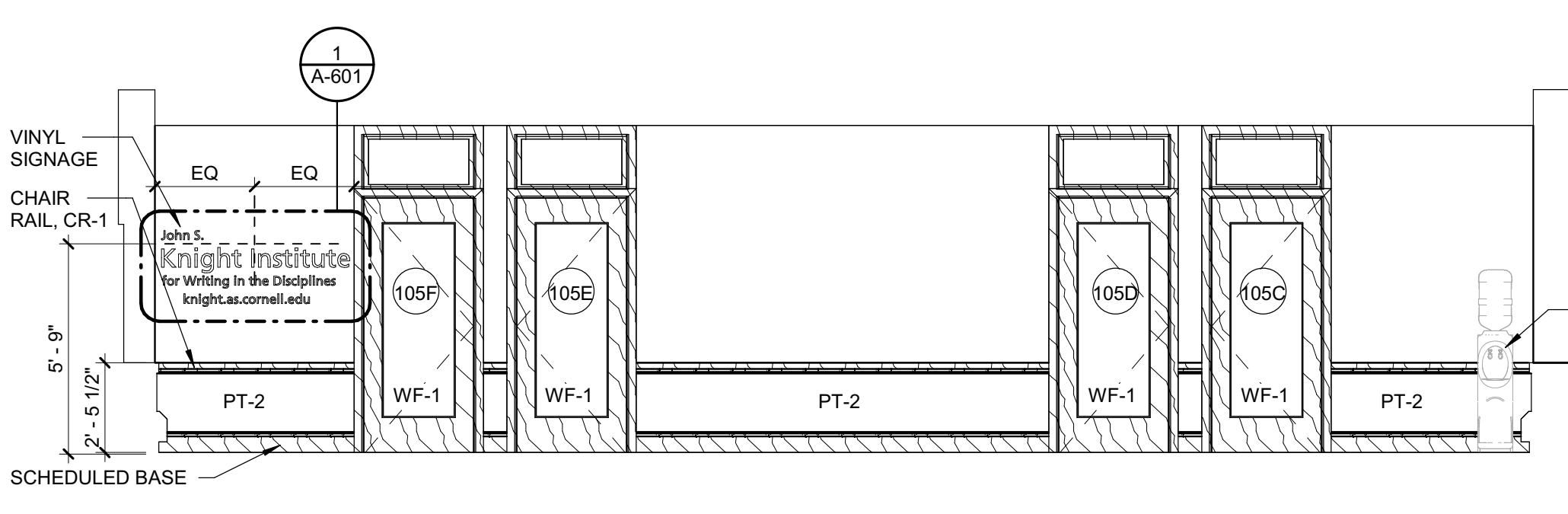
5 CONFERENCE ROOM 105A - EAST ELEVATION
1/4" = 1'-0"



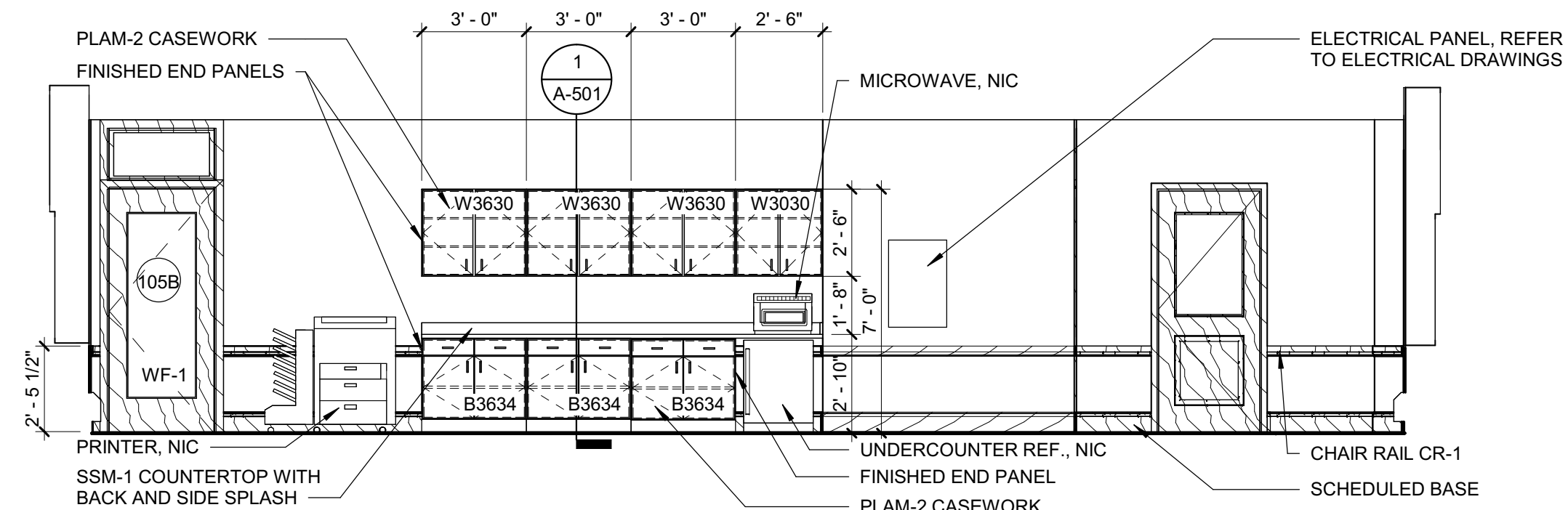
4 CONF. RM 105A WEST ELEVATION
1/4" = 1'-0"



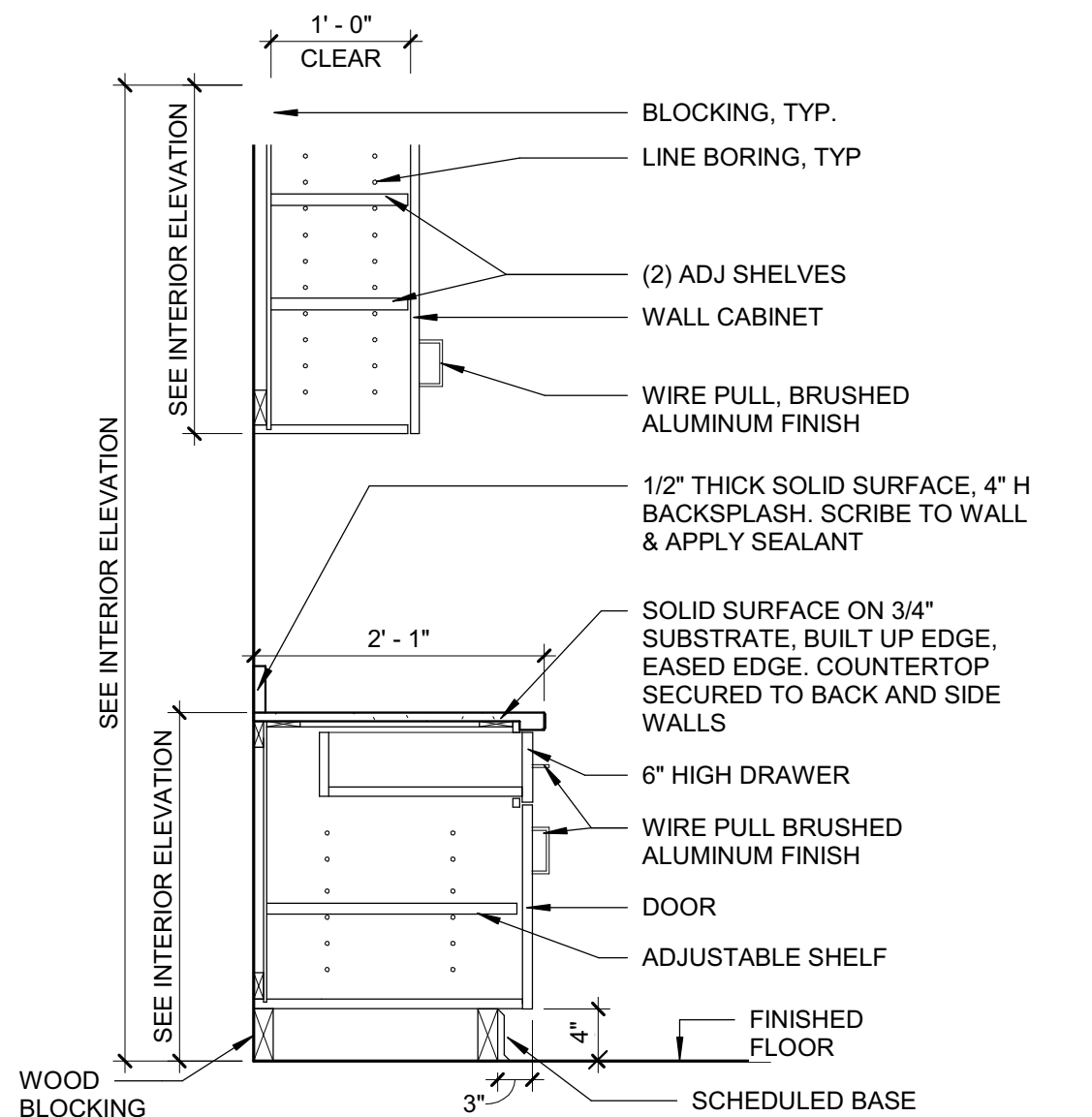
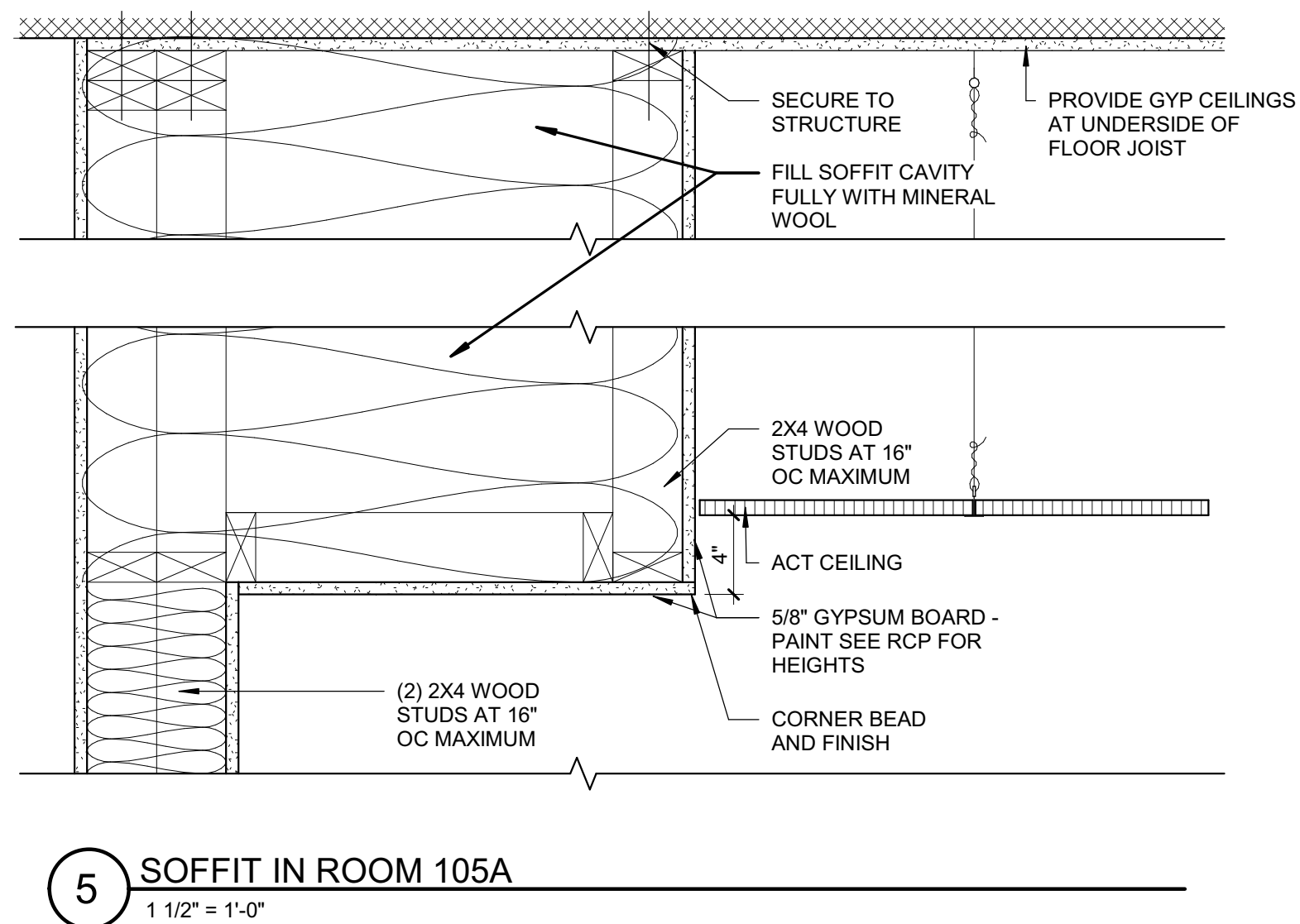
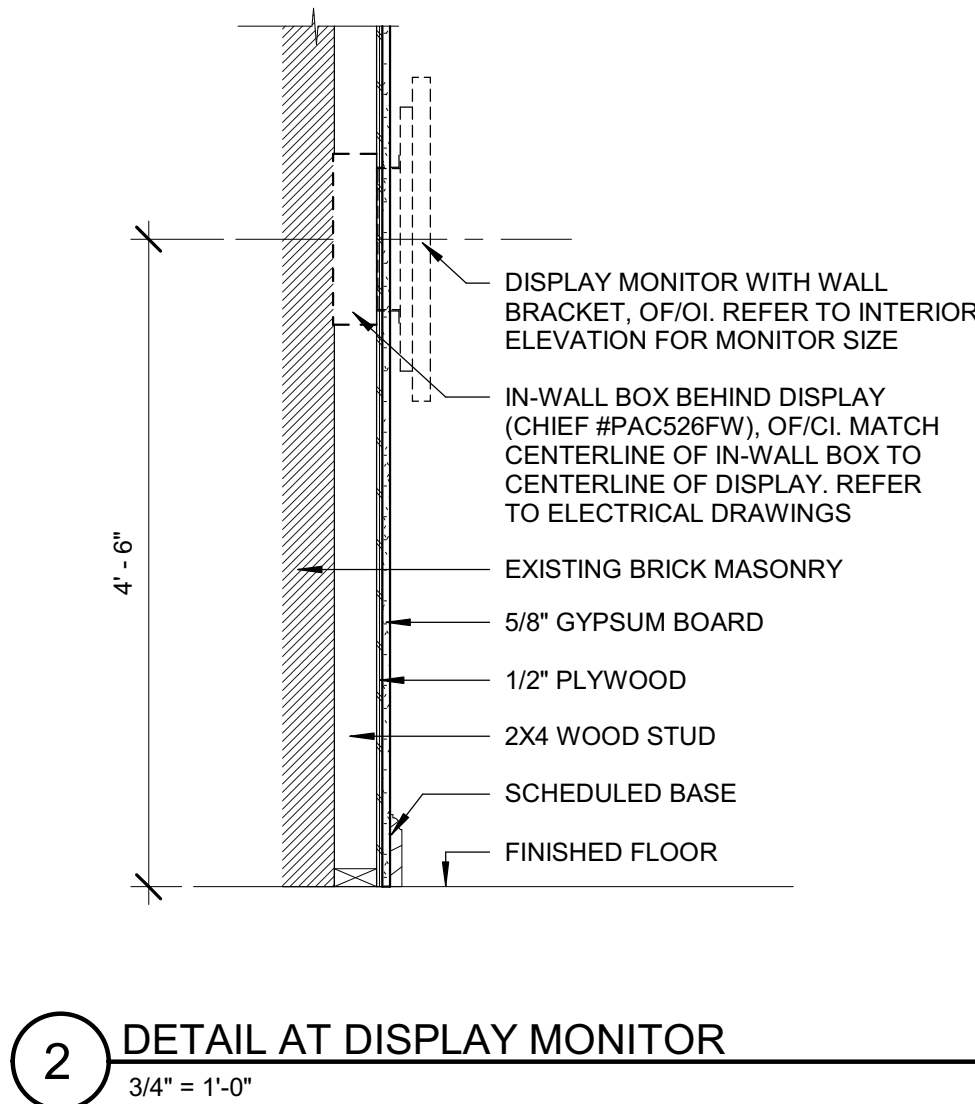
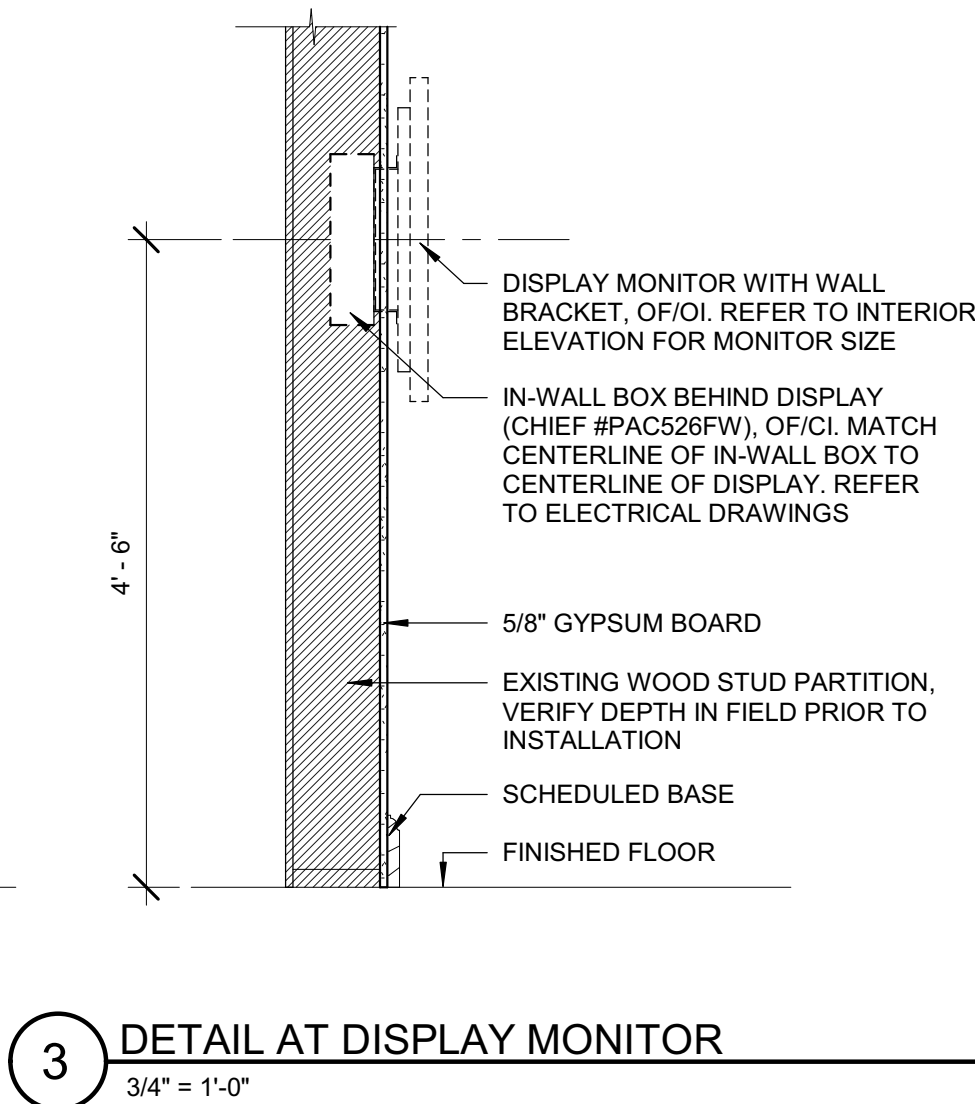
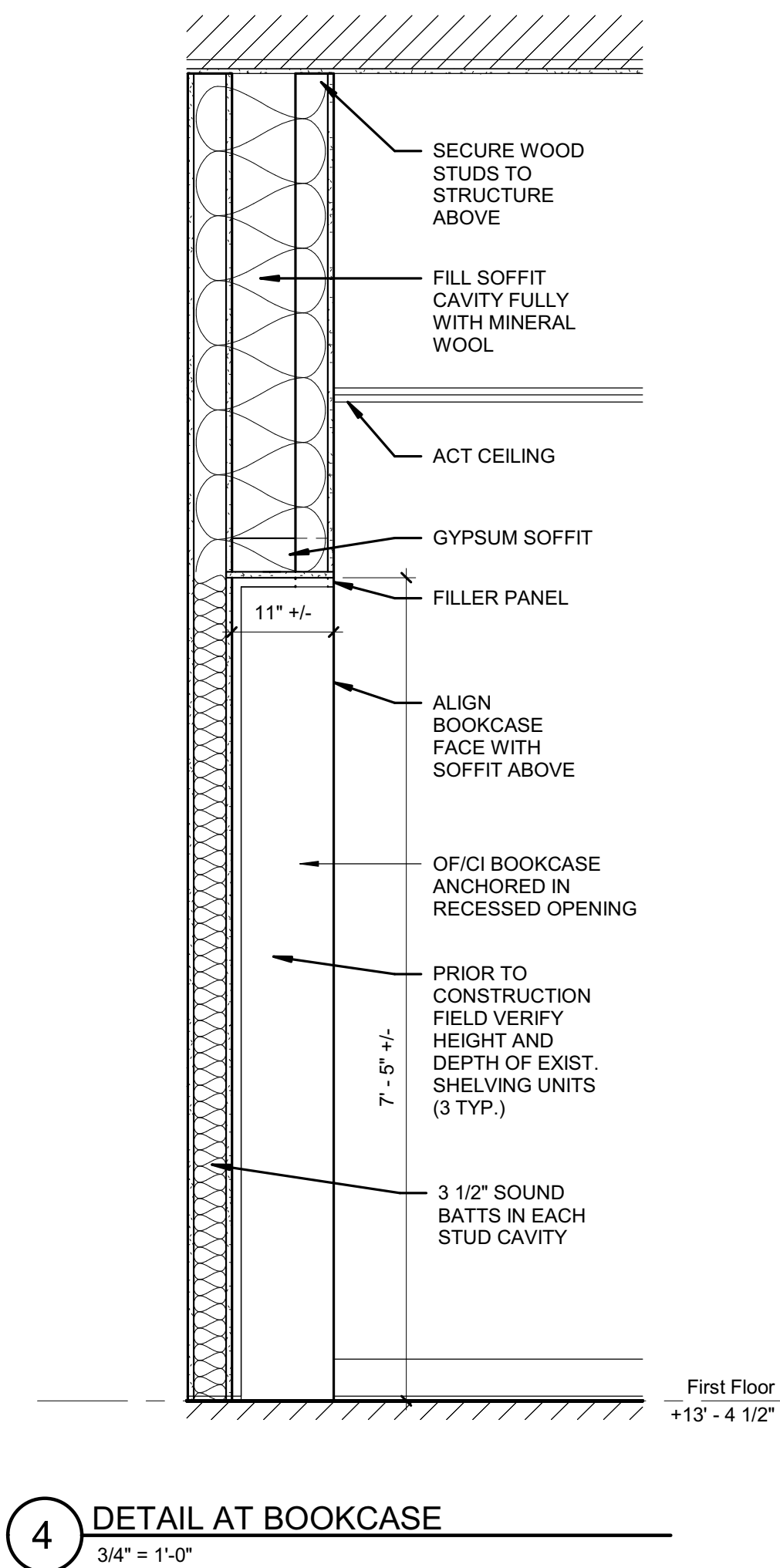
3 CONF. ROOM 105A - NORTH ELEVATION
1/4" = 1'-0"



2 KNIGHT INSTITUTE - SOUTH ELEVATION (HALLWAY 105)
1/4" = 1'-0"



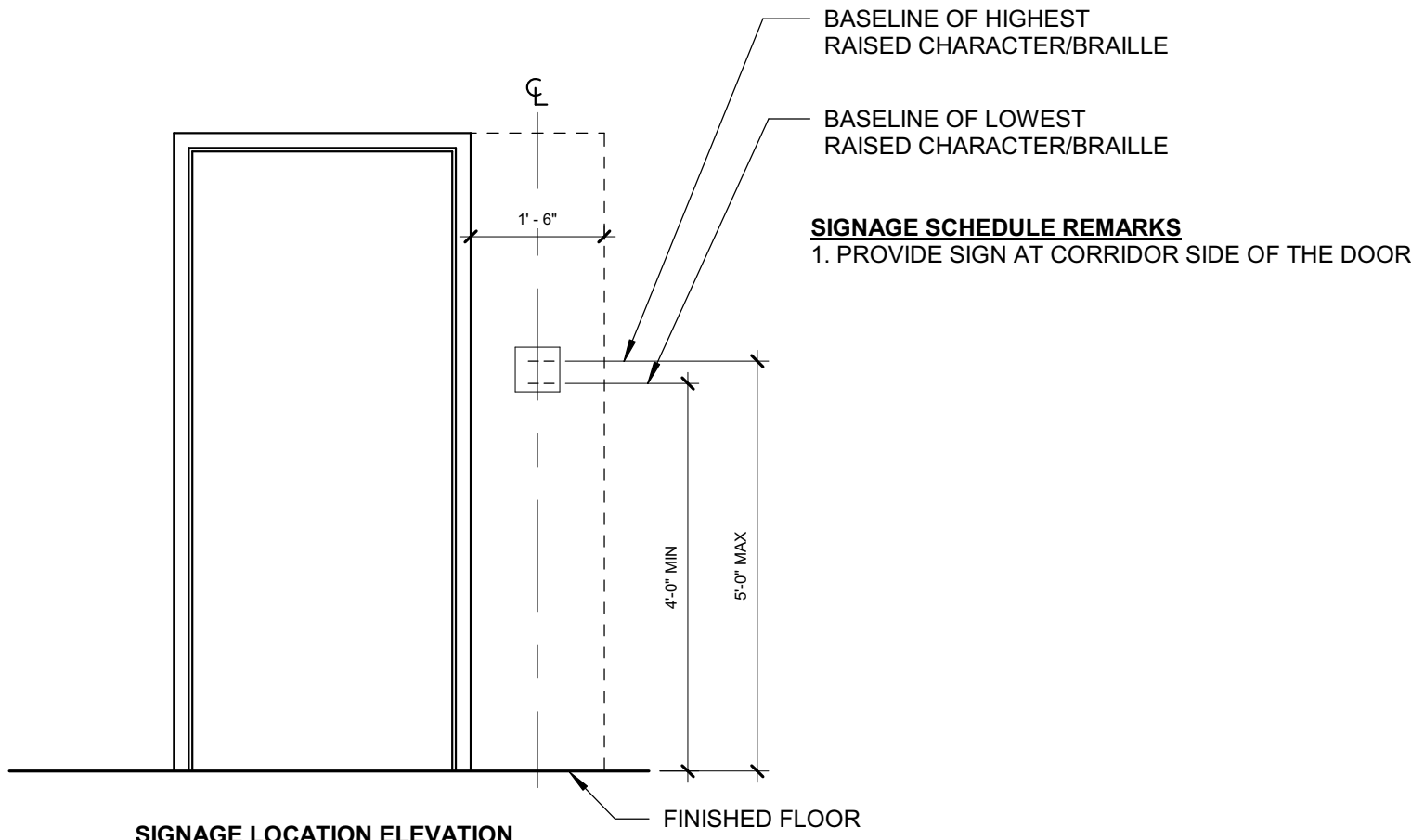
1 KNIGHT INSTITUTE - NORTH ELEVATION (HALLWAY 105)
1/4" = 1'-0"



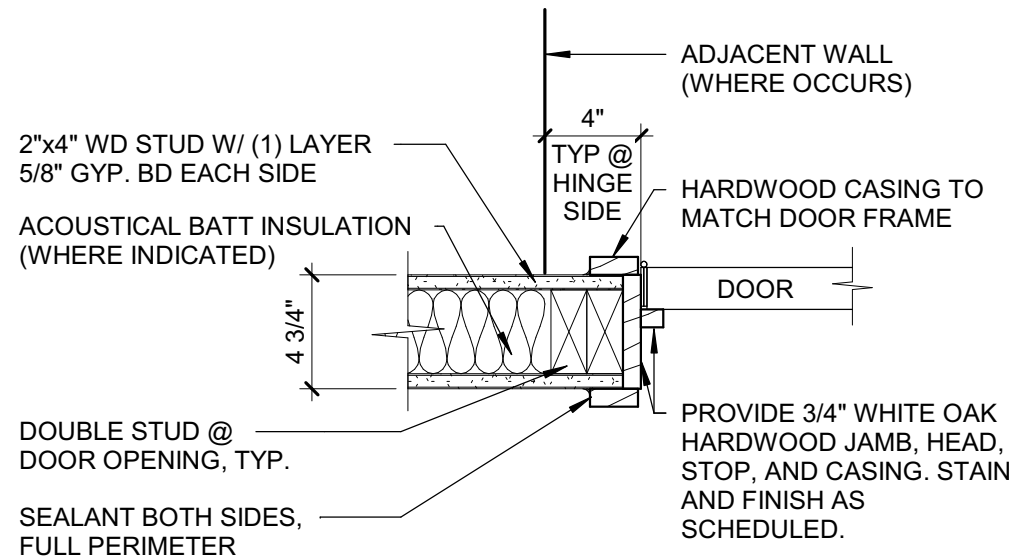
SIGNAGE GENERAL NOTES:

A. ALL SIGNAGE TO BE INSTALLED PER ICC A117.1 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS

B. WHERE A SIGN IS PROVIDED AT A SINGLE DOOR, THE SIGN SHALL BE LOCATED ON THE LATCH SIDE. WHERE A SIGN IS PROVIDED AT A DOUBLE DOOR WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A SIGN IS PROVIDED AT A DOUBLE DOOR WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR OR TO THE RIGHT OF DOUBLE DOORS, SIGNS SHALL BE INSTALLED ON THE NEAREST ADJACENT WALL



Signage



J1

Jamb Types

DOOR SCHEDULE																			
DOOR #	LEAFS	DOOR							FRAME				HARDWARE	LABEL	THRESHOLD	SIGNAGE	REMARKS	DOOR #	
		SIZE			TYPE	MATERIAL	FINISH	GLASS	ELEVATION	TYPE	MATERIAL	FINISH							
		WIDTH	HEIGHT	THICK															
First Floor																			
105	1	3' - 0"	7' - 0"	1 3/4"	-	ETR	ETR	-	-	-	WD	-	EXIST	--	-	S1	NOTE 3	105	
105A	1	3' - 0"	7' - 0"	1 3/4"	HG	WD	PRE-FIN -STAIN	S-1	F3	J1	WD	PRE-FIN-STAIN	1.0	--		S1	NOTE 3	105A	
105B	1	3' - 0"	7' - 0"	1 3/4"	FG	WD	PRE-FIN -STAIN	S-1	F2	J1	WD	PRE-FIN-STAIN	2.0	--		S1	NOTE 3	105B	
105C	1	3' - 0"	7' - 0"	1 3/4"	FG	WD	PRE-FIN -STAIN	S-1	F2	J1	WD	PRE-FIN-STAIN	2.0	--		S1	NOTE 3	105C	
105D	1	3' - 0"	7' - 0"	1 3/4"	FG	WD	PRE-FIN -STAIN	S-1	F2	J1	WD	PRE-FIN-STAIN	2.0	--		S1	NOTE 3	105D	
105E	1	3' - 0"	7' - 0"	1 3/4"	FG	WD	PRE-FIN -STAIN	S-1	F2	J1	WD	PRE-FIN-STAIN	2.0	--		S1	NOTE 3	105E	
105F	1	3' - 0"	7' - 0"	1 3/4"	FG	WD	PRE-FIN -STAIN	S-1	F2	J1	WD	PRE-FIN-STAIN	2.0	--		S1	NOTE 3	105F	
106	1	3' - 3"	7' - 0"	1 3/4"	-	ETR	ETR				ETR		-			S1	NOTE 1, NOTE 4	106	
116	1	3' - 4"	7' - 6"	1 3/4"	FG	ETR	ETR				ETR					S1	NOTE 1, NOTE 4	116	
Second Floor																			
219	1	3' - 0"	7' - 0"	1 3/4"	--	ETR	ETR	-	-	-	ETR	-	-	-		S1	NOTE 1, NOTE 4	219	
219A	1	3' - 0"	7' - 0"	1 3/4"	--	ETR	ETR	ETR	-	-	ETR	-	3.0	-		S1	NOTE 2	219A	

- DOOR SCHEDULE - GENERAL NOTES:**
- OWNER WILL PROVIDE WIRELESS ACCESS CONTROL. CONTRACTOR WILL INSTALL.
 - PROVIDE NEW HARDWARE AS LISTED IN HARDWARE SET 3
 - APPLY WINDOW FILM TO GLAZING. REFER TO INTERIOR ELEVATIONS ON A-421 FOR ADDITIONAL INFORMATION.
 - CONTRACTOR TO OBTAIN LICENSES FOR OWNER PROVIDED ACCESS CONTROL KEY PADS. COORDINATE WITH E-SERIES DRAWING.

DOOR SCHEDULE ABBREVIATIONS

ALUM ALUMINUM
HM HOLLOW METAL
WD WOOD
AFS ARCHITECTURAL FIRE-RATED STEEL
PT PAINT
PREFIN PREFINISHED

HARDWARE MAUFACTURER'S ABBREVIATIONS

1. MK MCKINNEY
2. RO ROCKWOOD
3. SA SARGENT
4. BE BEST
5. RF RIXSON
6. PE PEMKO

HARDWARE SET 1.0
DOOR: 105A

3 Hinges (heavy duty) TA3786 US26 MK
1 Classroom Lock 70 8237 LNL US26D SA
1 Cylinder As Required 626 BE
1 Permanent Core Compatible with Facility's US26D SA
1 Surface Overhead Stop 8-X36 630 RF
1 Gasketing S773BL PE

HARDWARE SET 2.0
DOOR: 105B, 105C, 105D, 105E, 105F

3 Hinges (heavy duty) TA3786 US26 MK
1 Classroom Lock 70 8237 LNL US26D SA
1 Cylinder As Required 626 BE
1 Permanent Core Compatible with Facility's US26D SA
1 Wall Stop 406/441CU US26DRO
1 Gasketing S773BL PE

HARDWARE SET 3.0
DOOR: 219A

1 Classroom Lock 70 8237 LNL US26D SA
1 Cylinder As Required 626 BE
1 Permanent Core Compatible with Facility's US26D SA

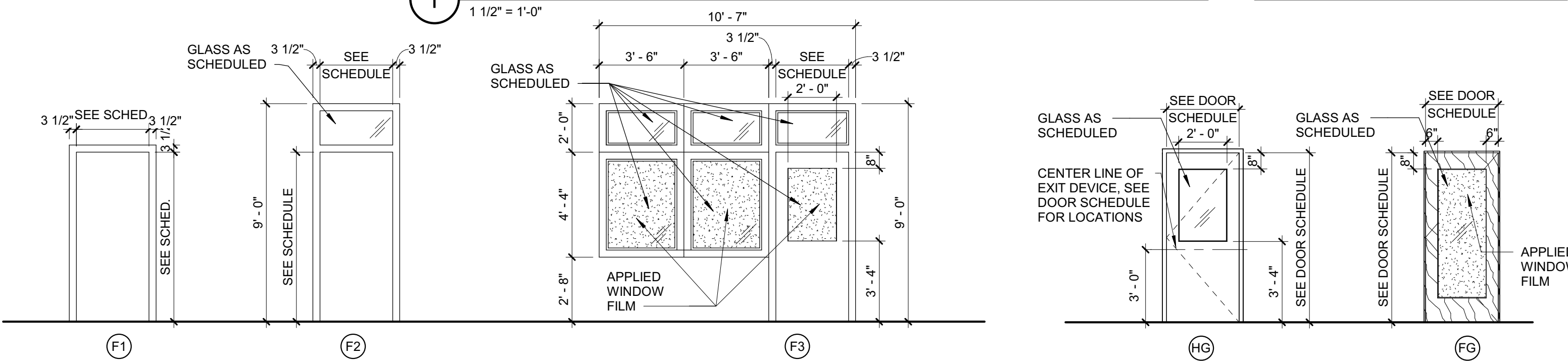
GLASS TYPES

S-1 - FULLY TEMPERED FLOAT GLASS



1 John S. Knight Intitute Signage
1 1/2" = 1'-0"

Signage Types



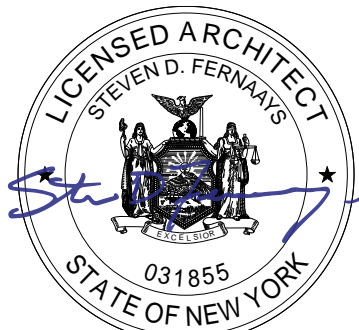
Door Frame Types

Door Types

SWBR

309 South Franklin Street Syracuse NY 13202
315 488 5635 | rochester@swbr.com

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Issue Date: 02/20/24
Registration Expires: 11/30/24

Drawn By: KEP
Checked By: DMKS
Project Manager: LHW

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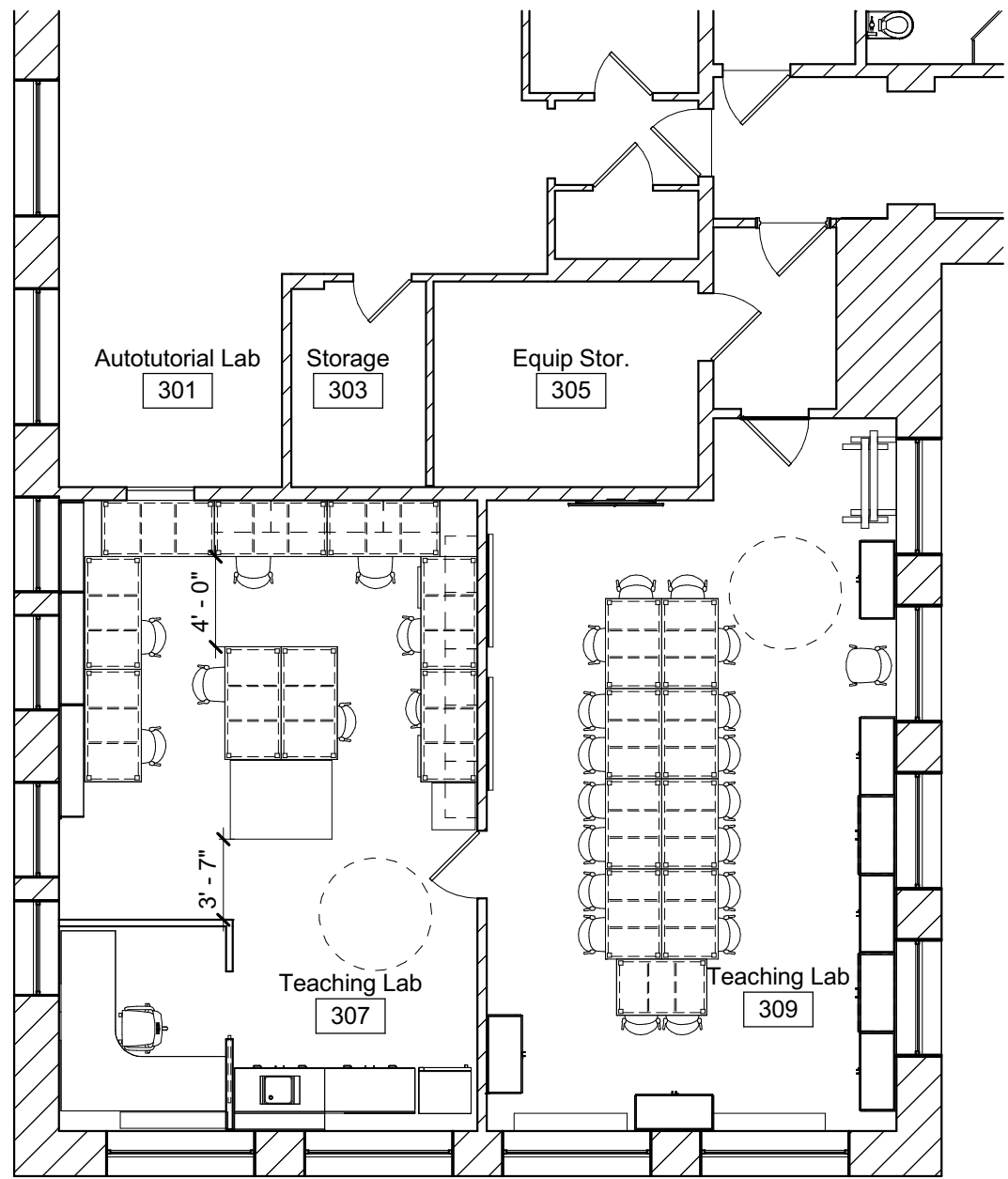
Stimson Hall Renovations for
McGraw Enabling
SWBR Project Number 23170.00

Cornell University
Ithaca, NY 14853

A-601

Schedules and Details

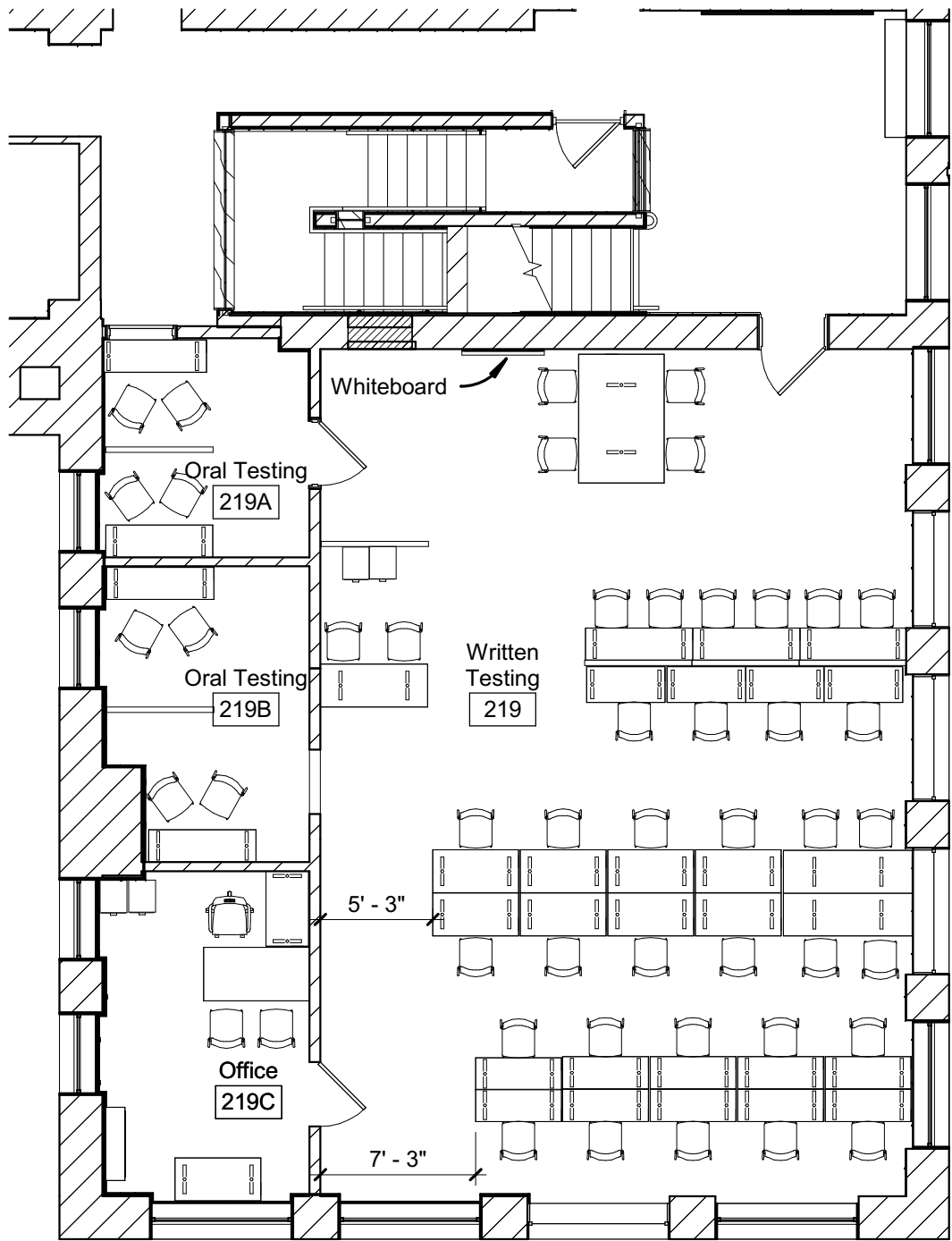
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3

Third Floor Plan - Furniture Plan

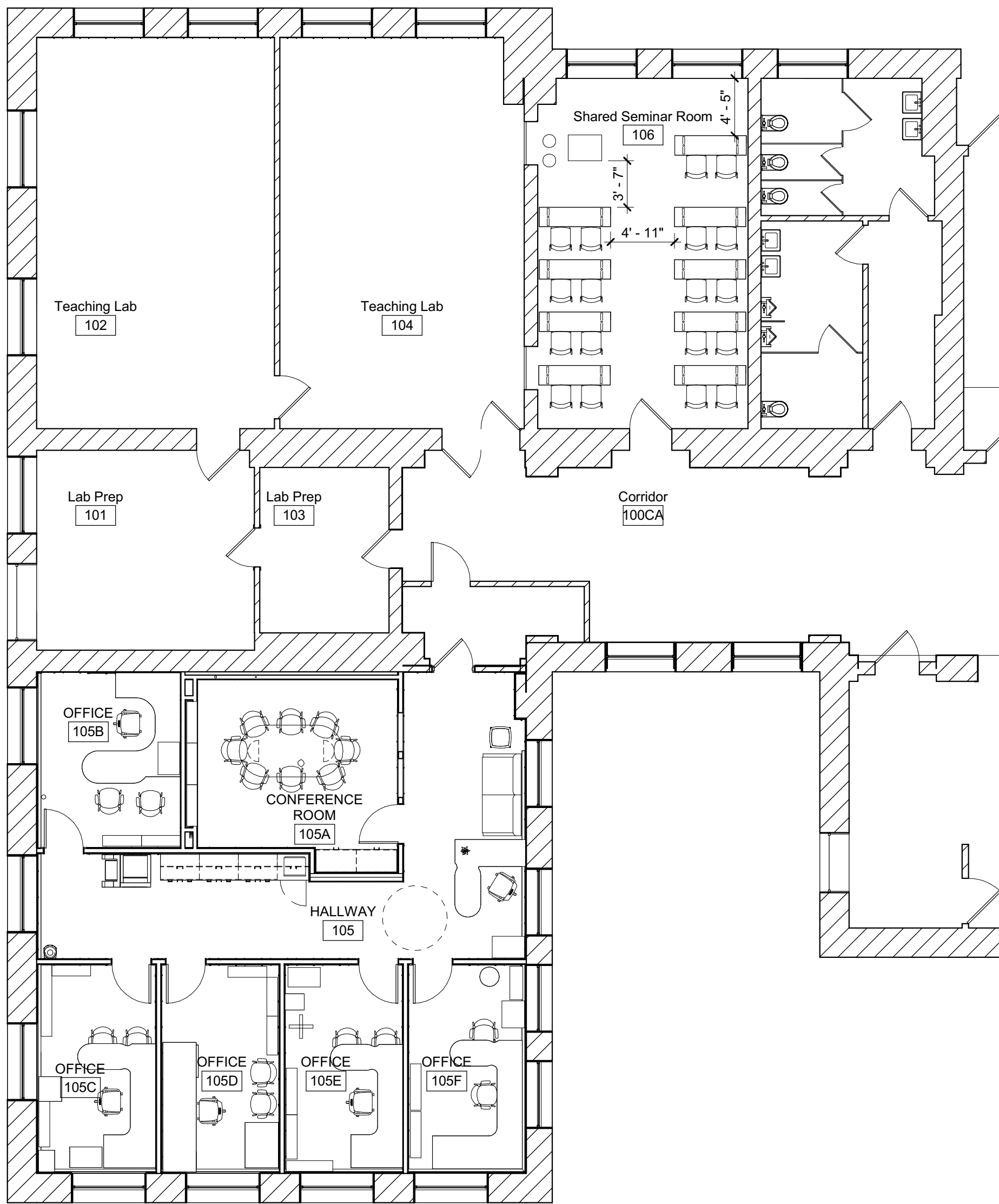
1/8" = 1'-0"



2

Partial Second Floor - Furniture Plan

1/8" = 1'-0"



1

Partial First Floor Plan - Furniture Plan

1/8" = 1'-0"

Drawn By: MBH
Checked By: KEP
Project Manager: LHW

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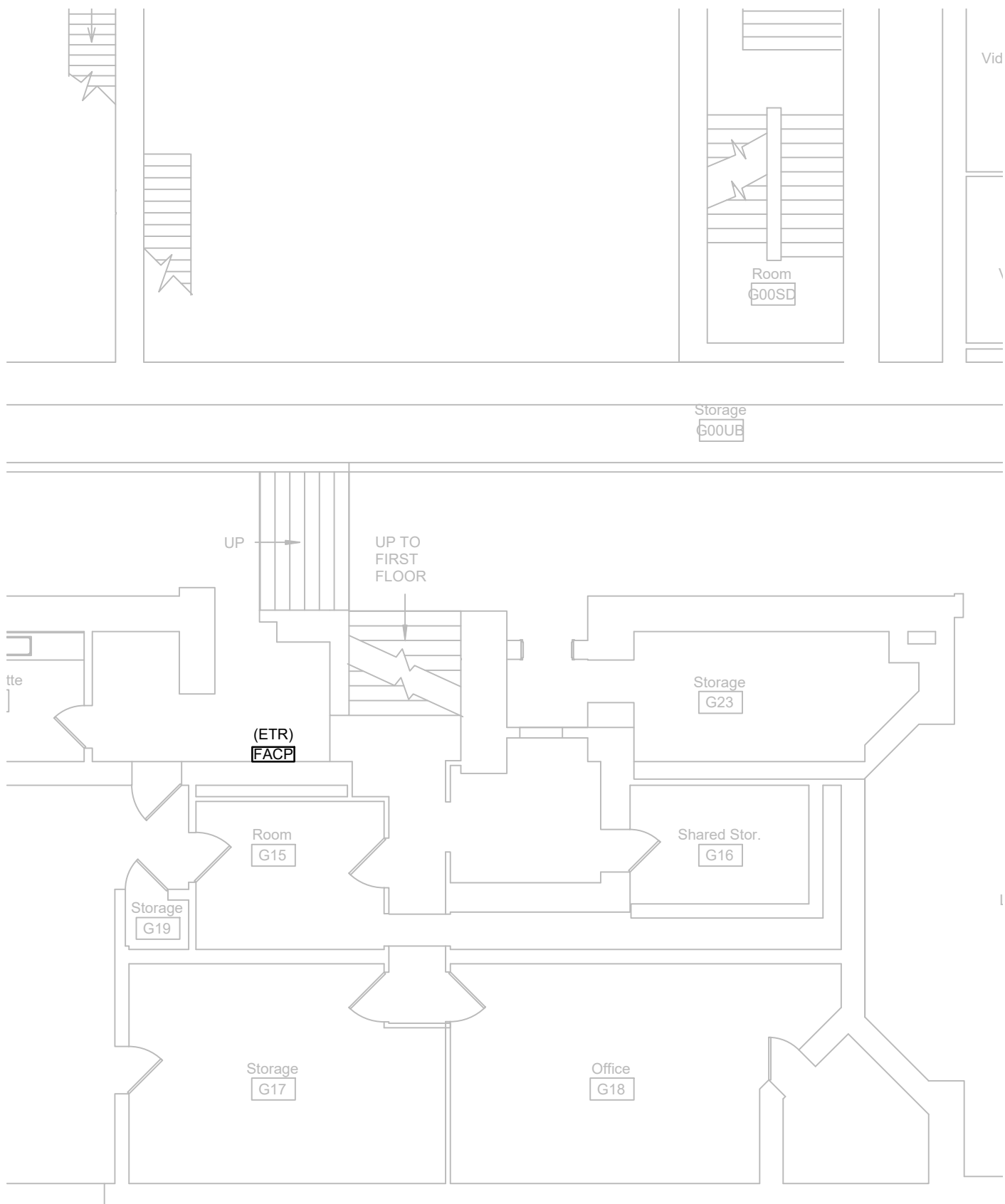
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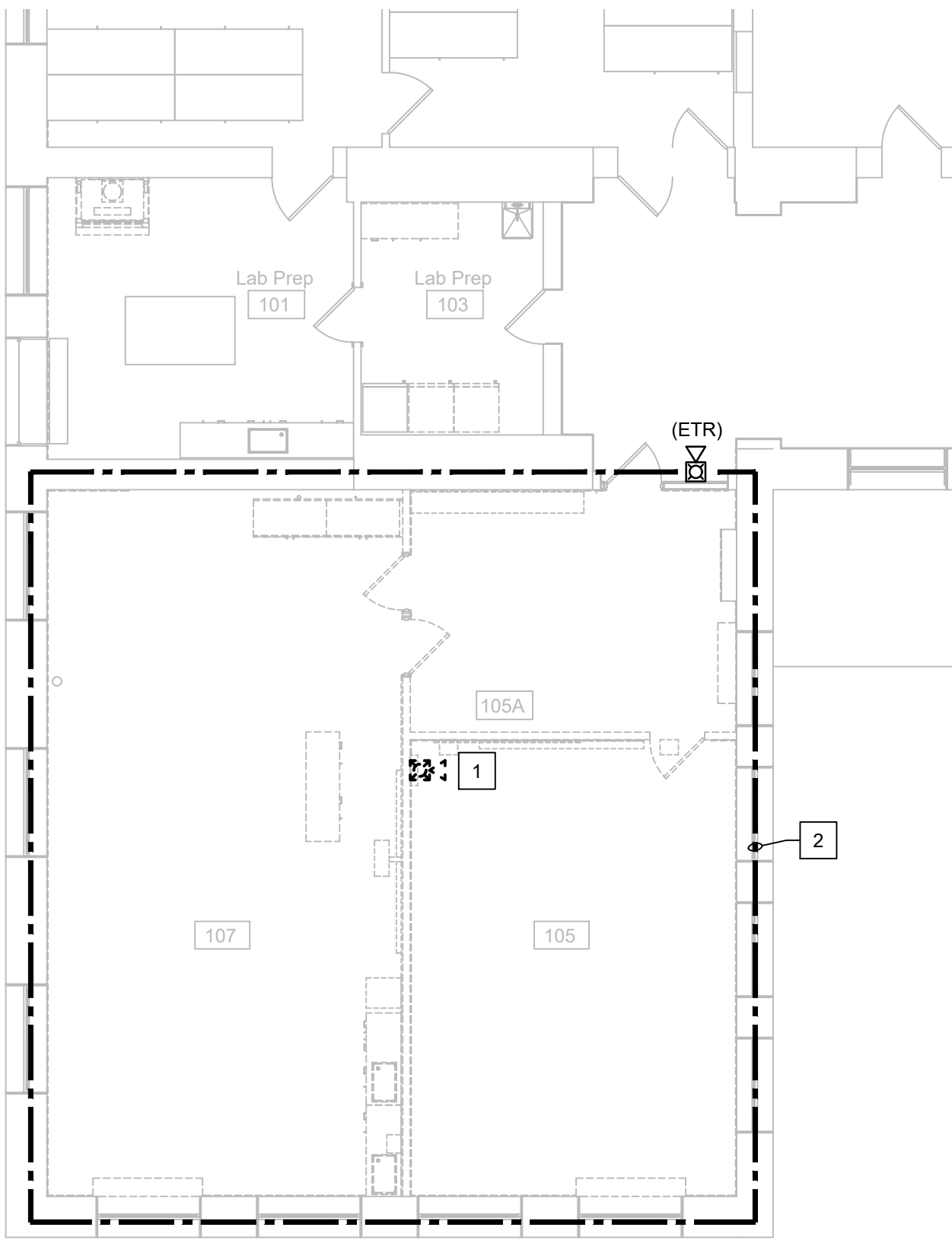
I-100

Furniture Plans -
Reference Only

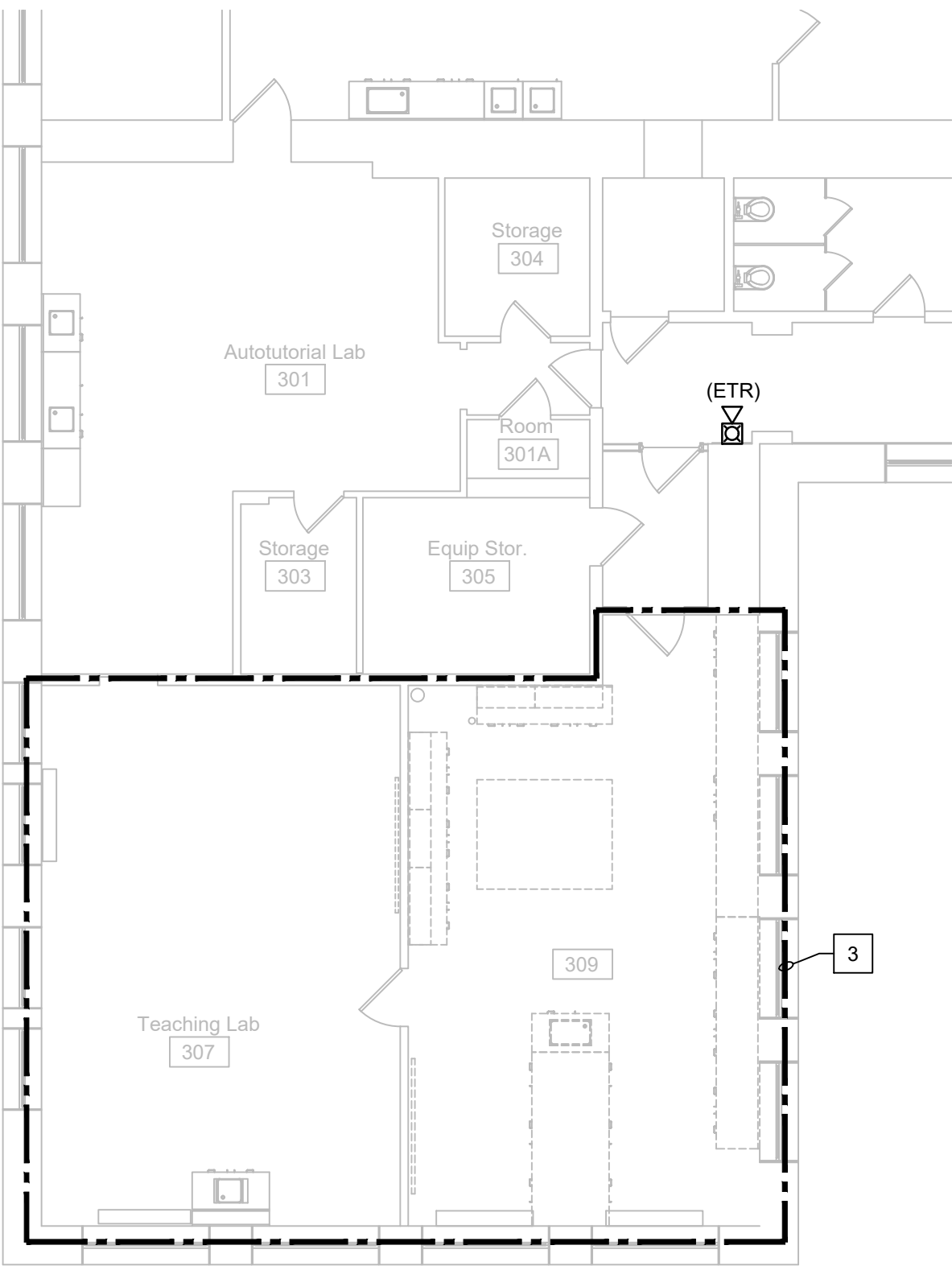
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1 PARTIAL GROUND FLOOR FIRE ALARM PLAN - DEMOLITION
SCALE: 1/8"=1'-0"



2 PARTIAL FIRST FLOOR FIRE ALARM PLAN - DEMOLITION
SCALE: 1/8"=1'-0"



3 PARTIAL THIRD FLOOR FIRE ALARM PLAN - DEMOLITION
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- G1. ALL FIRE ALARM SYSTEM WORK SHALL BE COORDINATED AND TESTED WITH CORNELL ENVIRONMENTAL HEALTH & SAFETY (EHS).

DEMO NOTES:

1. DE-ACTIVATE EXISTING FIRE ALARM NOTIFICATION DEVICE TO ALLOW FOR REMOVAL BY ABATEMENT CONTRACTOR. ONCE REMOVED, THE DEVICE SHALL BE CLEANED AND TURNED OVER TO ELECTRICAL CONTRACTOR FOR REUSE AND RELOCATION. ALL ASSOCIATED SURFACE MOUNTED RACEWAY SHALL ALSO BE REMOVED BY THE ABATEMENT CONTRACTOR BACK TO NEAREST DEVICE OUTSIDE OF RENOVATION AREA.
2. PRIOR TO ANY MODIFICATIONS TO THE BUILDING FIRE PROTECTION SYSTEM, TEMPORARY HEAT DETECTORS SHALL BE INSTALLED WITHIN THE WORK AREAS AND CONNECTED TO THE BUILDING FIRE ALARM SYSTEM. DEVICE TESTING AND INSTALLATION SHALL BE COORDINATED WITH CORNELL EHS.
3. THERE WILL BE NO FIRE PROTECTION SYSTEM MODIFICATIONS IN THIS AREA, THEREFORE TEMPORARY HEAT DETECTORS ARE NOT REQUIRED.

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**ERDMAN
ANTHONY**

145 Culver Road, Suite 250
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www.erdmananthony.com



Drawn By: DSU
Checked By: BRW
Project Manager: BRW

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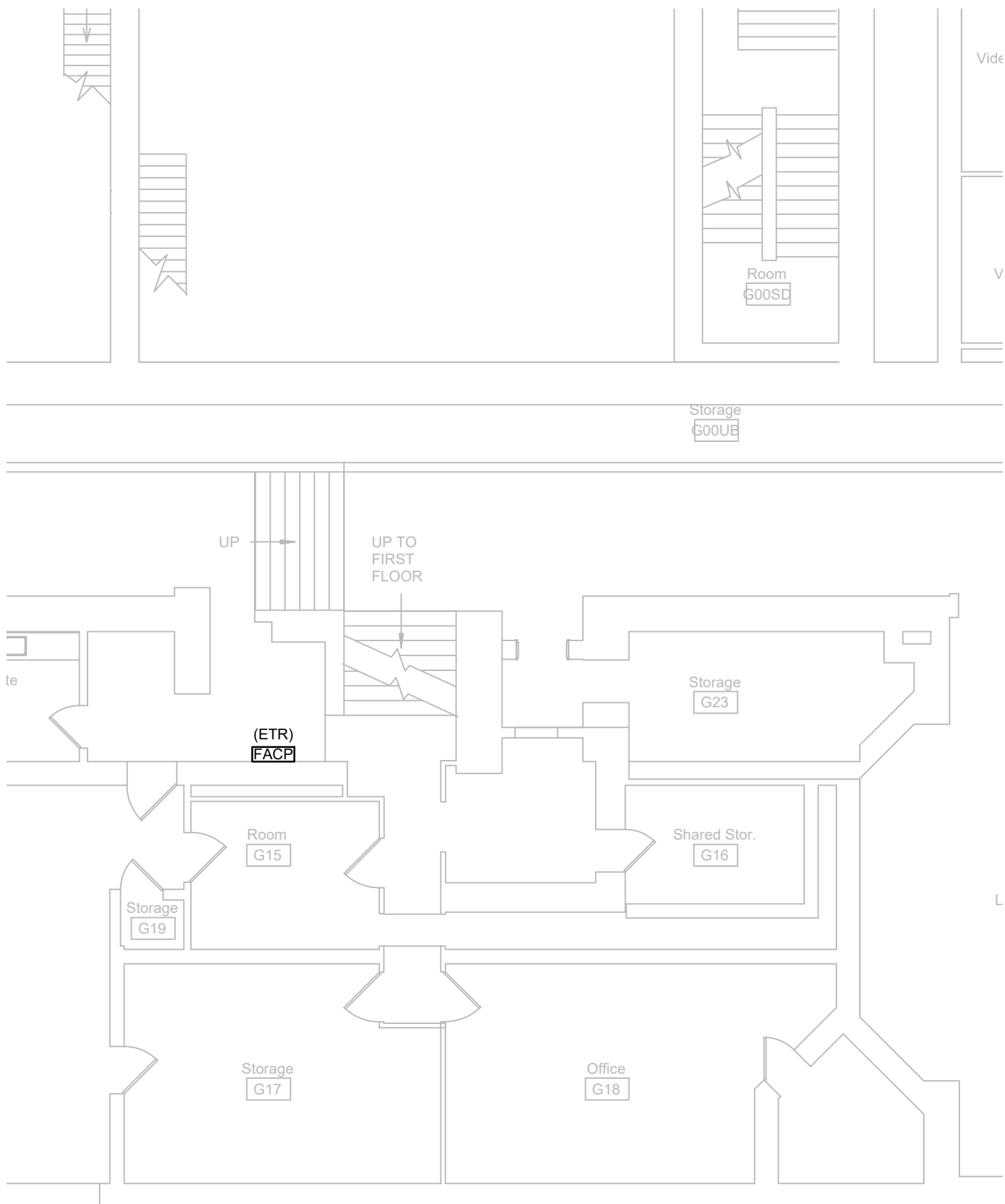
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SWBR Project Number 23170.00

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Ithaca, NY 14853

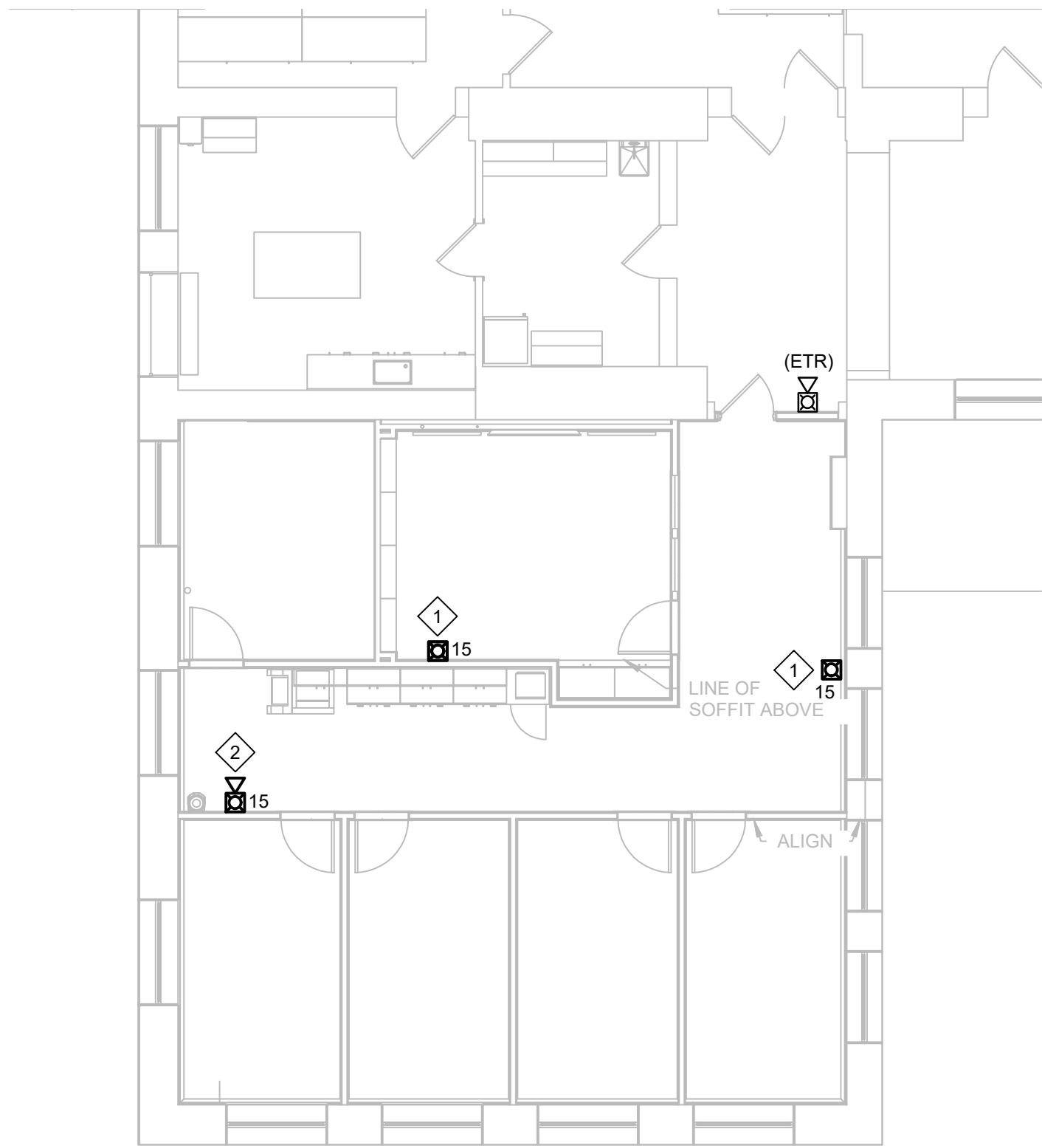
FAD-100

PARTIAL FIRE
ALARM PLANS -
DEMOLITION

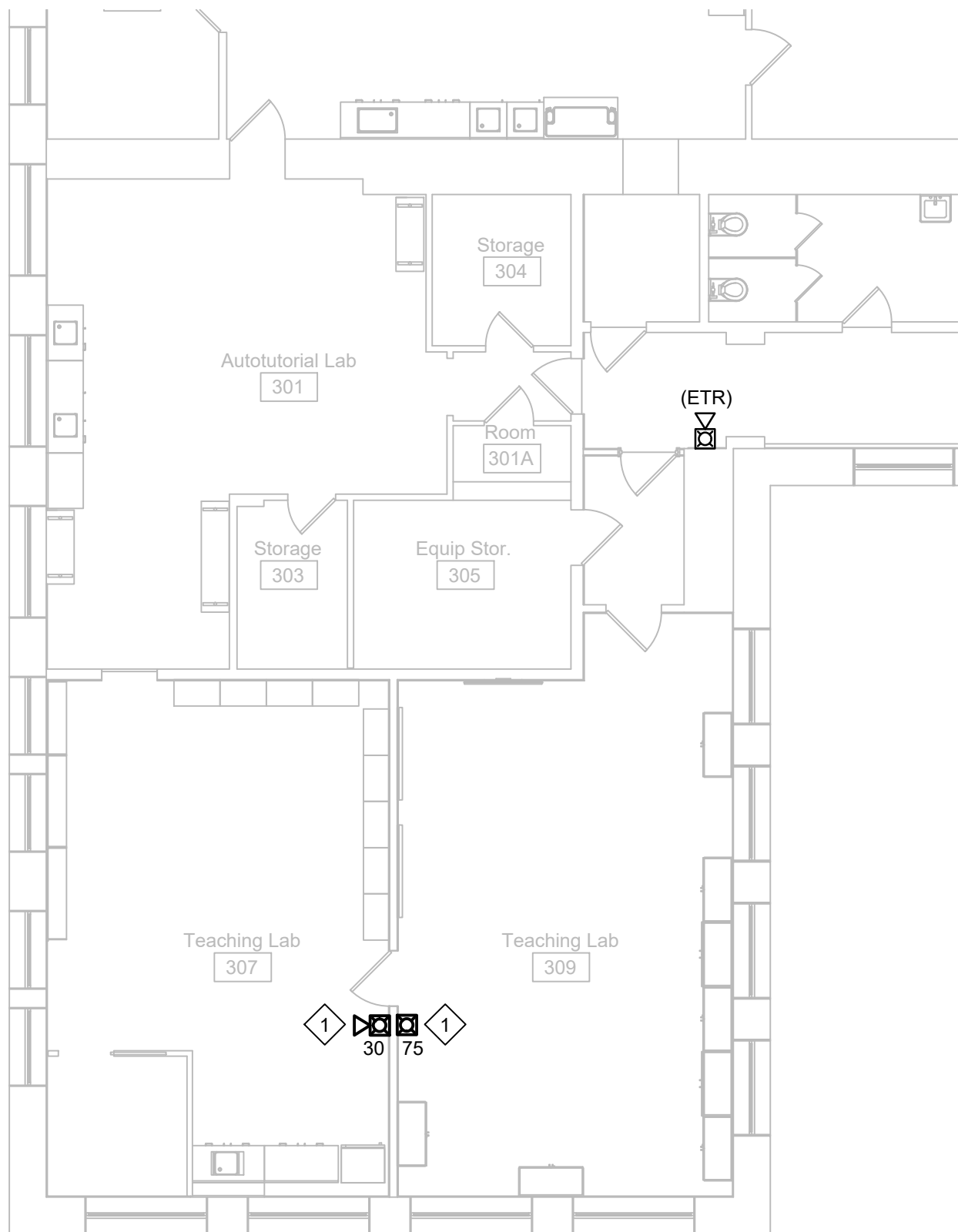
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1 PARTIAL GROUND FLOOR PLAN - FIRE ALARM NEW WORK
SCALE: 1/8"=1'-0"



2 PARTIAL FIRST FLOOR PLAN - FIRE ALARM NEW WORK
SCALE: 1/8"=1'-0"



3 PARTIAL THIRD FLOOR PLAN - FIRE ALARM NEW WORK
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- G1. ALL FIRE ALARM SYSTEM WORK SHALL BE COORDINATED WITH CORNELL ENVIRONMENTAL HEALTH & SAFETY (EHS). ALL NEW AND RELOCATED DEVICES MUST BE ACCEPTANCE TESTED WITH CORNELL EHS AND ITHACA FIRE DEPARTMENT.
- G2. PROVIDE FIRESTOPPING OF ALL RACEWAY AND SLEEVE PENETRATIONS.
- G3. FIRE ALARM JUNCTION BOX COVERS SHALL BE RED.

KEYED NOTES:

1. PROVIDE NEW RECESSED FIRE ALARM NOTIFICATION DEVICE AT LOCATION SHOWN. DEVICE SHALL BE CONNECTED TO NEAREST EXISTING NOTIFICATION APPLIANCE CIRCUIT.
2. RELOCATE EXISTING FIRE ALARM NOTIFICATION DEVICE TO LOCATION SHOWN. EXTEND AND RECONNECT EXISTING NOTIFICATION APPLIANCE CIRCUIT TO RELOCATED DEVICE.

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Checked By: BRW
Project Manager: BRW

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PARTIAL FIRE
ALARM PLANS -
NEW WORK

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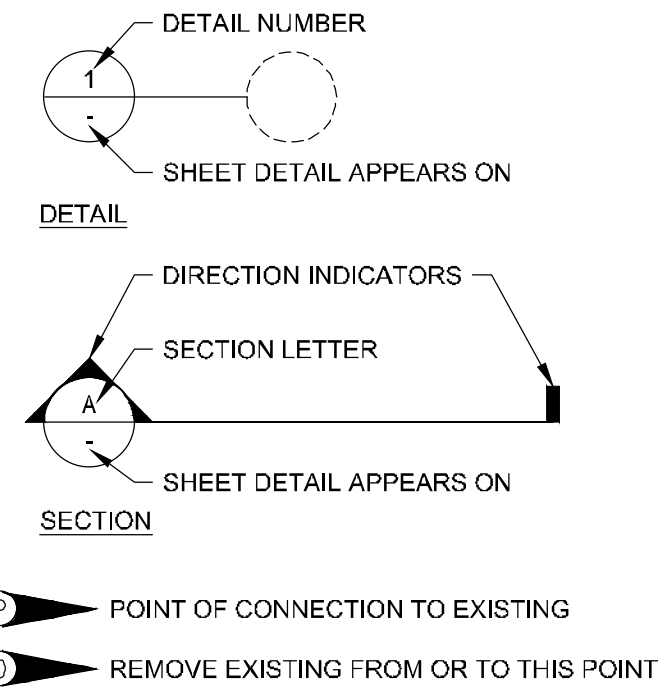
FIRE PROTECTION DESIGN CRITERIA:

1. THE PROJECT IS A DESIGN BUILD PROJECT BASED ON PERFORMANCE SPECIFICATIONS. THE AREA SHALL BE PROTECTED BY A DRY PIPE SPRINKLER SYSTEM. THE AUGMENTATION TO THE EXISTING SYSTEM SHALL BE PERFORMED WHILE THE OTHER AREAS OF THE BUILDING ARE PROTECTED.
2. THE FIRE PROTECTION SYSTEM SHALL CONFORM TO THE LATEST REQUIREMENTS OF FIRE CODE OF NEW YORK STATE. THIS INCLUDES THE LATEST ADOPTED VERSION OF THE INTERNATIONAL FIRE PROTECTION CODE AND THE LATEST ADOPTED VERSION OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 13) BY THE PA UCC. THE FIRE PROTECTION SYSTEM SHALL ALSO CONFORM TO THE OWNER'S INSURANCE UNDERWRITER, UNDERWRITER'S LABORATORY, FM GLOBAL, ALL STATE AND LOCAL REGULATIONS WHICH SUPERCEDE THE PA UCC AND REGULATIONS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A NEW HYDRANT FLOW TEST ON WHICH TO BASE THE HYDRAULIC CALCULATIONS. A COPY OF THIS TEST SHALL BE PROVIDED TO THE ENGINEER BEFORE BEGINNING CONSTRUCTION.
4. SPRINKLER PIPING MAINS SHALL BE RUN IN CORRIDORS, VALVES, DRAIN, AND INSPECTION CONNECTIONS SHALL BE CONCEALED. ACCESS DOOR LOCATIONS AND SIZES SHALL BE COORDINATED WITH ARCHITECTURAL PLANS PRIOR TO INSTALLATION AND PLACED WHERE POSSIBLE IN UNOCCUPIED ROOMS I.E. REST ROOMS AND STORAGE ROOMS.
5. THE CONTRACTOR WILL CALCULATE AND DESIGN THE ACTUAL SPRINKLER HEAD LAYOUT. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE LOCATION OF THE HEADS WITH ALL APPLICABLE CODES, ARCHITECTURAL REFLECTED CEILING PLANS AND WITH WORK OF OTHER TRADES.
6. NO HEADS OR PIPING SHALL BE LOCATED ABOVE ANY ELECTRICAL OR VOICE/DATA EQUIPMENT. SPRINKLER CONTRACTOR SHALL COORDINATE HEAD AND PIPING LOCATIONS WITH ELECTRICAL, VOICE/DATA, AND SECURITY CONTRACTORS. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES.
7. THE CONTRACTOR SHALL ROUTE SPRINKLER PIPING IN THE BUILDING TO ALL HEADS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HYDRAULICALLY CALCULATING AND SIZING ALL PIPING SO THAT THE SYSTEM PERFORMS ACCORDING TO LISTED STANDARDS. THE CONTRACTOR SHALL TEST INSTALLATIONS IN ACCORDANCE WITH THE APPROPRIATE NFPA REQUIREMENTS, AS EACH PORTION IS INSTALLED.
8. THE INSTALLATION OF SMOKE AND FIRE DETECTORS AND FIRE EXTINGUISHERS SHALL BE SUPPLIED BY OTHERS AND SHALL NOT BE PART OF THIS CONTRACT.
9. THE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO THE OWNER'S INSURANCE UNDERWRITER AND THE AUTHORITY HAVING JURISDICTION. THE APPROVAL OF BOTH OF THESE AGENCIES SHALL BE RECEIVED BEFORE SHOP DRAWINGS AND CALCULATIONS ARE SUBMITTED TO THE ENGINEER FOR FINAL REVIEW AND APPROVAL. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS THAT HAVE BEEN REVISED DUE TO ENGINEER/ARCHITECT REVISIONS SHALL BE RE-SUBMITTED TO THE OWNER'S INSURANCE UNDERWRITER AND THE LOCAL AUTHORITY HAVING JURISDICTION FOR APPROVAL AND SUBSEQUENTLY RE-SUBMITTED TO THE ENGINEER FOR FINAL REVIEW AND APPROVAL.
10. PROVIDE OPERATIONAL, MAINTENANCE, EXTRA HEADS, AND EMERGENCY INSTRUCTIONS TO THE OWNER OR RESPONSIBLE DESIGNATED MAINTENANCE STAFF BEFORE ANY PART OF THE SYSTEM IS TURNED OVER TO THE OWNER, AND SUBMIT MEMORANDUM TO THE ENGINEER AS TO WHAT INFORMATION WAS GIVEN TO WHOM AND WHEN.
11. ALL COMPONENTS OF AUTOMATIC SPRINKLER SYSTEM SHALL BE LISTED FOR USE IN FIRE SUPPRESSION SYSTEMS AND BE LISTED BY UNDERWRITERS LABORATORIES (UL) AND FM GLOBAL (FM).
12. TEST AND INSPECT MODIFIED SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 "SYSTEMS ACCEPTANCE" CHAPTER, AND FM GLOBAL FIELD ACCEPTANCE. CONTRACTOR TO SUBMIT THE FM GLOBAL "CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR AUTOMATIC SPRINKLER SYSTEMS" FORM (FM85A).
13. PROVIDE TEMPORARY HEAT DETECTION IN AREAS WHERE THE SPRINKLER SYSTEM WILL BE UNAVAILABLE FOR MORE THAN (1) WORK DAY.

FIRE PROTECTION

○	UPRIGHT SPRINKLER HEAD - 3/4" NPT, 8.0K, 155° F
⊙	UPRIGHT SPRINKLER HEAD - 3/4" NPT, 11.2K, 286° F
⊙	PENDENT SPRINKLER HEAD - 3/4" NPT, 8.0K, 155° F
⊙	PENDENT SPRINKLER HEAD - 3/4" NPT, 8.0K, 212° F
⊙	DRY PENDENT SPRINKLER HEAD - 1" NPT, 5.6K, 155° F W/HEAD GUARD
⊙	CONCEALED PENDENT SPRINKLER HEAD - 3/4" NPT, 8.0K, 155° F
⊙	UPRIGHT SPRINKLER HEAD - 3/4" NPT, 8.0K, 212° F
▽	SIDEWALL SPRINKLER HEAD - 3/4" NPT, 8.0K, 155° F
▽	SIDEWALL DRY SPRINKLER HEAD
—SP—	NEW FIRE SERVICE BRANCH PIPING
—S—	NEW FIRE SERVICE MAIN PIPING

DETAIL, SECTION, & CONNECTION MARKS



GENERAL NOTES:

1. CONTRACTORS ARE URGED TO INSPECT THE SITE BEFORE SUBMITTING A BID PROPOSAL TO ENSURE KNOWLEDGE OF PROJECT REQUIREMENTS AND SITE CONDITIONS. IF NO CLARIFICATION IS REQUESTED, IT WILL BE CONSIDERED THAT THE CONTRACTORS ARE IN FULL UNDERSTANDING OF PROJECT REQUIREMENTS.
2. PROVIDE LABOR, SUPERVISION, EQUIPMENT, MATERIALS, AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION OF THIS WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AUTHORITIES HAVING JURISDICTION, AND STANDARDS INCLUDING BUT NOT LIMITED TO THE LATEST ADOPTED VERSIONS OF ASHRAE, IBC, IPC, IFGC, NEC, AND NFPA.
3. NOTHING CONTAINED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS SHALL BE CONSTRUED TO BE IN CONFLICT WITH ANY STATE OR LOCAL CODES, ORDINANCES OR REGULATIONS.
4. THE USE OF THE WORD "PROVIDE" SHALL MEAN TO FURNISH, INSTALL AND CONNECT, READY TO USE.
5. THE USE OF THE WORD "FURNISH" SHALL MEAN TO PROCURE AND DELIVER TO THE SITE.
6. THE USE OF THE WORD "INSTALL" SHALL MEAN TO PHYSICALLY PLACE INTO SERVICE AND CONNECT, READY TO USE.
7. EQUIPMENT AND MATERIALS SHALL BE INSTALLED BY SKILLED TRADESMEN, FAMILIAR WITH THE COMPONENTS TO BE INSTALLED, AND IN ACCORDANCE WITH BEST PRACTICES OF THE INDUSTRY.
8. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE GENERAL ARRANGEMENT OF PIPING, DUCT/WORK, CONDUITS, EQUIPMENT, ETC. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH DRAWINGS AND THE SPECIFICATIONS.
9. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. THIS CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL, HEATING, VENTILATING AND AIR-CONDITIONING, ELECTRICAL, PLUMBING, AND OTHER PROJECT DOCUMENTS AS MAY BE NECESSARY FOR PROPER OPERATION OR INSTALLATION AND SHALL PROVIDE OFFSETS, FITTINGS, AND ACCESSORIES TO MEET PROJECT CONDITIONS.
10. DISCREPANCIES BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO PROFESSIONAL IN WRITING. OBTAIN WRITTEN INSTRUCTIONS FROM PROFESSIONAL AS TO THE MANNER IN WHICH TO PROCEED. NO DEPARTURES FROM THE PROJECT DOCUMENTS SHALL BE MADE WITHOUT PRIOR WRITTEN ACCEPTANCE BY THE PROFESSIONAL. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY THE USE OF ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
11. THE FIRE RESISTANCE RATINGS OF ALL WALLS, PARTITIONS, FLOORS, STEEL, ETC. SHALL BE MAINTAINED. THE APPLICATION OF PRODUCTS AND/OR DEVICES INTENDED TO MAINTAIN THESE RATINGS SHALL BE SUBMITTED FOR REVIEW AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
12. IN ORDER TO AVOID DELAY IN THE PROJECT SCHEDULE, AND THE POSSIBLE INSTALLATION OF NON-SPECIFIED MATERIALS, THE CONTRACTOR IS RESPONSIBLE FOR ORDERING ALL PRODUCTS IN A TIMELY FASHION. IF A DELAY OCCURS DUE TO NEGLIGENCE ON PART OF THE CONTRACTOR, ANY FINANCIAL BURDEN ENCOUNTERED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13. DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.
14. NO EXTRA COMPENSATION OR CHARGES WILL BE ACCEPTED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENTS AND THOSE INDICATED ON THE PLAN. THOROUGHLY COORDINATE WORK WITH SITE CONDITIONS AND OTHER TRADES, DETERMINE EXACT ROUTE AND LOCATION OF EACH DUCT, PIPE, CONDUIT, ETC. BEFORE FABRICATION AND INSTALLATION.
15. THE CONTRACTOR SHALL PROVIDE AND INSTALL ACCESS PANELS, WHETHER INDICATED ON THE CONTRACT DOCUMENTS OR NOT, WHERE REQUIRED TO PROVIDE ACCESS TO THEIR INSTALLATIONS. ACCESS PANELS SHALL MATCH THE FIRE RESISTANCE RATING OF THE PARTITION THAT THEY ARE BEING INSTALLED. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ACCESS PANELS WITH THE ARCHITECT AND WITH OTHER TRADES TO AVOID DUPLICATION.
16. INSTALL WORK SUBSTANTIALLY AS INDICATED. VERIFY LOCATIONS AND ELEVATIONS ON JOB SITE. DO NOT DIRECTLY SCALE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES.
17. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.
18. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR OF ALL SURFACES TO MATCH EXISTING MATERIALS AND ADJACENT FINISHES ASSOCIATED WITH INSTALLATION/REMOVAL OF THIS WORK UNLESS SPECIFICALLY NOTED OTHERWISE.
19. WORK SHALL BE COMPLETED TO MAINTAIN ALL NECESSARY AND REQUIRED CLEARANCES, ACCESSSES, AND OPENINGS, SUCH THAT FULL FUNCTIONALITY, PROPER OPERATION, AND REPAIR AND MAINTENANCE ARE ENSURED.
20. WHERE DEVICE HEIGHT OF 48" OCCURS AT POINT OF CHANGE OF FINISH, THE DEVICE SHALL BE RAISED OR LOWERED TO OCCUR IN ONE FINISH.
21. WHERE DEVICE OCCURS IN BRICK, TILE, OR BLOCK WALLS, THEY SHALL BE MOUNTED AT A VERTICAL MASONRY JOINT & IN EITHER THE TOP OR BOTTOM HORIZONTAL JOINT, CLOSEST TO THE MOUNTING HEIGHT.
22. UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHT DIMENSIONS LISTED ARE TO THE CENTER LINE OF THE WALL BOX OR DEVICE.
23. NOT ALL ABBREVIATIONS & SYMBOLS MAY APPLY TO THIS PROJECT.
24. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
25. DRAWINGS REPRESENT THE SCOPE OF WORK IN GENERAL ARRANGEMENT FORM AND ARE INTENDED TO SHOW GENERAL ROUTING AND REQUIRED SIZES/CAPACITIES OF SYSTEM COMPONENTS.
26. ALL NEW SPRINKLER PIPING WILL NEED TO HAVE A 2 HOUR HYDROSTATIC TEST COMPLETED. TESTING TO BE SCHEDULED WITH CU EHS AND WITNESSED BY CU EHS AND ITHICA FIRE DEPARTMENT.
27. CONTACT FACILITES TESTING AND INSPECTION GROUP TO REMOVE ANY CORNELL OWNED FIRE EXTINGUISHERS IN THE AREA OF WORK PRIOR TO CONTRACTORS TAKING AREA OVER.

GENERAL DEMOLITION NOTES:

1. THE DEMOLITION PLANS AND NOTES HAVE BEEN PREPARED TO ASSIST THE CONTRACTORS IN IDENTIFYING THE AREAS AND ITEMS OF DEMOLITION AND RENOVATION ASSOCIATED WITH THIS PROJECT. THE INFORMATION PROVIDED IS NOT MEANT TO BE ALL-INCLUSIVE IN TERMS OF LISTING EACH AND EVERY SPECIFIC TASK TO BE PERFORMED. EACH CONTRACTOR WILL THOROUGHLY EXAMINE ALL CONTRACT DOCUMENTS PRIOR TO PERFORMING ANY WORK.
2. DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO, THE ITEMS INDICATED ON THE DEMOLITION DRAWINGS AND DESCRIBED IN THE DEMOLITION NOTES. THE EXTENT OF THE DEMOLITION WORK WILL INCLUDE ALL WORK REQUIRED TO COMPLETE THE PROJECT AND ENSURE WHETHER OR NOT THE WORK IS INDICATED ON THE DRAWINGS.
3. EACH CONTRACTOR SHALL THOROUGHLY EXAMINE AND VERIFY ALL EXISTING CONDITIONS BEFORE PERFORMING ANY WORK AND IMMEDIATELY NOTIFY THE ARCHITECT, IN WRITING, OF ANY DISCREPANCIES WITH THE DRAWINGS.
4. ANY WORK PERFORMED AS PART OF THIS CONTRACT REQUIRING OR ALTERATION WILL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR.
5. ALL ITEMS NOTED TO BE REMOVED TO BE DISPOSED OF OFF-SITE BY RESPECTIVE CONTRACTORS, UNLESS NOTED OTHERWISE. WHERE INDICATED ON THE DRAWINGS AND/OR IN THE NOTES AS SALVAGE AND DELIVER TO OWNER. THE CONTRACTOR WILL CAREFULLY REMOVE INDICATED ITEMS AND STORE THEM WHERE DIRECTED BY THE OWNER.
6. THE OWNER HAS THE OPTION TO RETAIN POSSESSION OF ANY REMOVED MATERIALS OR EQUIPMENT. ALL SUCH ITEMS SHALL BE CAREFULLY REMOVED AND STORED AT THE SITE BY THE CONTRACTOR WHERE DIRECTED BY THE OWNER. ANY MATERIALS OR EQUIPMENT NOT RETAINED BY THE OWNER WILL BECOME THE PROPERTY OF THE CONTRACTOR AND PROMPTLY REMOVED FROM SITE.
7. ANY CONTRACTOR REMOVING OR MODIFYING MATERIAL CONTAINING ASBESTOS OR SUSPECTED OF CONTAINING ASBESTOS WILL NOTIFY THE OWNER AT ONCE AND STOP REMOVAL. IDENTIFICATION AND/OR REMOVAL OF ASBESTOS CONTAINING MATERIAL WILL BE THE RESPONSIBILITY OF THE OWNER.
8. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, TECHNOLOGY AND PLUMBING DRAWINGS FOR DEMOLITION WORK BY RESPECTIVE CONTRACTORS. EACH CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION ASSOCIATED WITH HIS CONTRACT AND SCOPE OF WORK. EACH CONTRACTOR IS RESPONSIBLE TO PATCH AND/OR REPAIR ANY AND ALL CONSTRUCTION AFFECTED BY HIS DEMOLITION. THE EXTENT OF PATCH AND REPAIR SHALL BE AS REQUIRED TO RECEIVE THE SCHEDULED NEW WORK. ALL CONTRACTORS ARE RESPONSIBLE FOR COORDINATION OF WORK WITH OTHER CONTRACTORS BEFORE PERFORMING ANY WORK.
9. ALL PATCH AND REPAIR WORK SHALL BE PERFORMED USING MATERIALS THAT MATCH THE EXISTING ADJACENT CONSTRUCTION. WHERE PATCHING EXISTING MASONRY WALLS OR INFILLING BETWEEN WALLS WITH MASONRY TO MATCH EXISTING, "TOOTH-IN" NEW MASONRY TO EXISTING.
10. EACH CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING CONSTRUCTION SCHEDULED TO REMAIN. EACH CONTRACTOR IS RESPONSIBLE TO PATCH AND/OR REPAIR ANY AND ALL CONSTRUCTION AFFECTED BY THEIR DEMOLITION. EACH CONTRACTOR SHALL PATCH (SUBSTRATE AND FINISHED SURFACES) ANY EXISTING FINISHES AFFECTED BY THEIR RESPECTIVE WORK.
11. EXISTING CONDITIONS INDICATED ARE OBTAINED FROM AVAILABLE SOURCES (EXISTING DRAWINGS, FIELD SURVEYS, ETC.) AND ARE NOT GUARANTEED TO BE TRUE AND EXACT. CONTRACTOR(S) SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
12. REMOVAL IN ITS ENTIRETY INCLUDES HANGERS, ELECTRICAL, CONTROLS, ETC., TO LEAVE A LIKE NEW OR MATCHING EXISTING CONDITION.
13. SCHEDULE ANY AND ALL SHUTDOWNS THROUGH CORNELL CUSTOMER SERVICE MINIMUM 48 HOURS IN ADVANCE. SYSTEM IMPAIRMENT AND BUILDING FIREWATCH INFORMATION TO BE SENT TO CU EHS.
14. PROVIDE TEMPORARY HEAT DETECTION IN AREAS WHERE THE SPRINKLER SYSTEM WILL BE UNAVAILABLE FOR MORE THAN (1) WORK DAY.

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Drawn By: ADK
Checked By: MDS
Project Manager: BRW

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Revisions

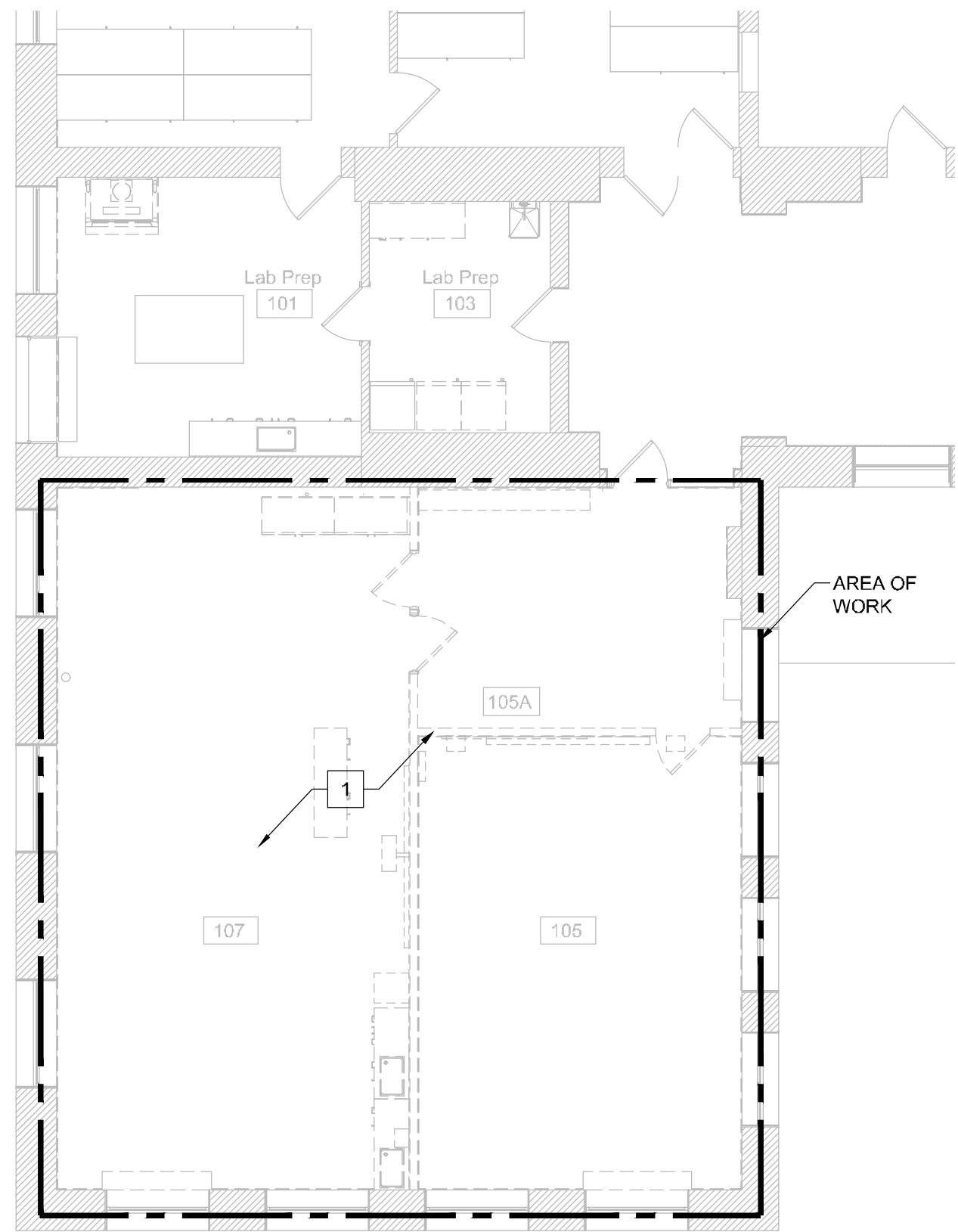
Stimson Hall Renovation
SWBR Project Number 23170.00

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Ithaca, NY 14853

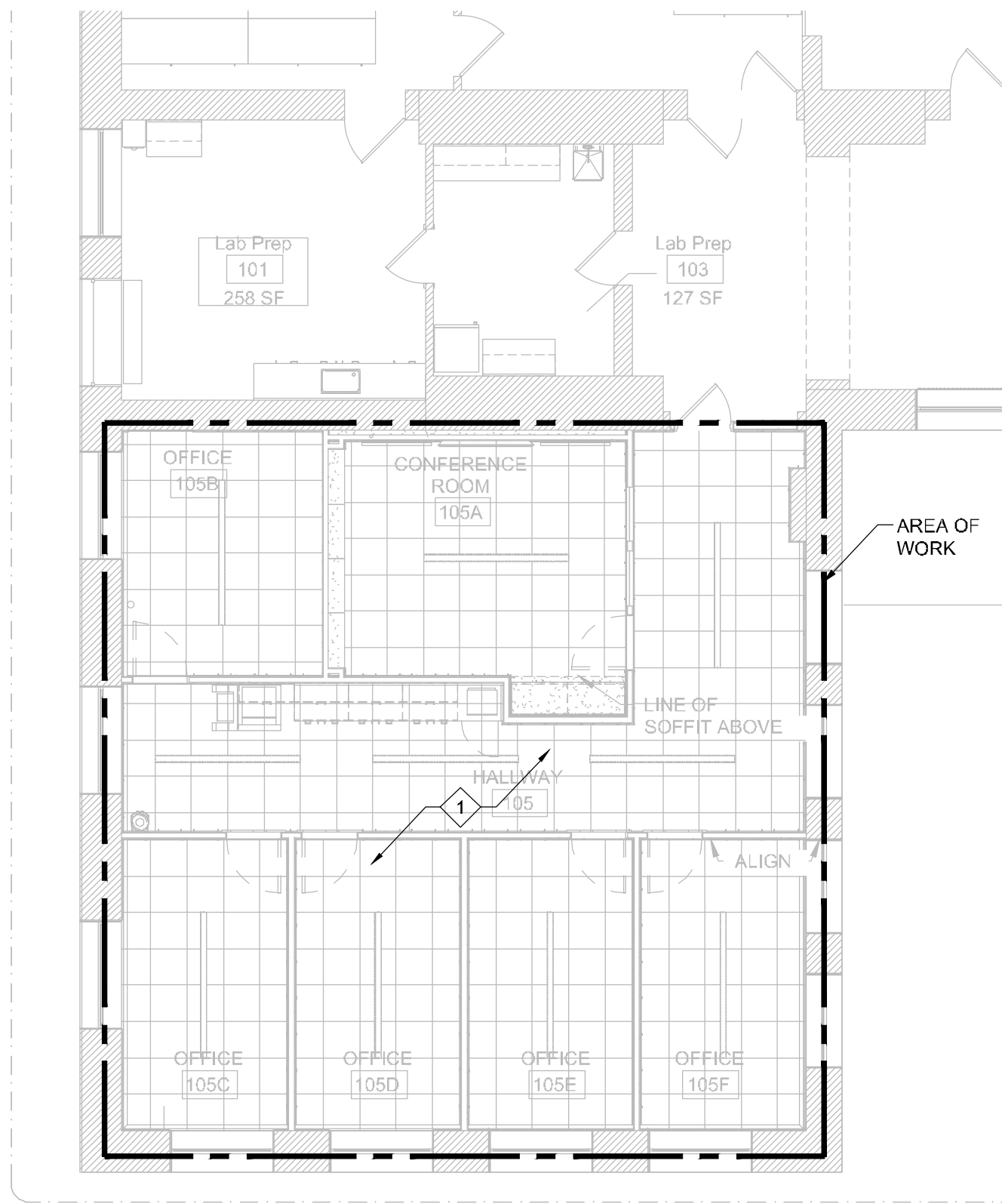
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FIRE PROTECTION
NOTES, LEGENDS,
AND ABBREVIATIONS

February 16, 2024
100% Construction
Documents



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



 2 PARTIAL FIRST FLOOR PLAN - NEW WORK
SCALE: 1/8"=1'-0"

GENERAL NOTES:

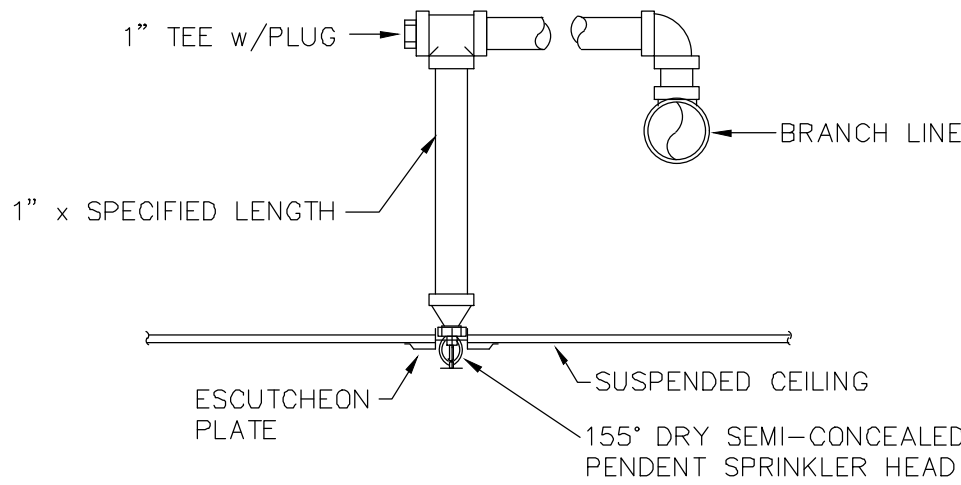
- G1. ALL SPRINKLER PIPING SUPPORTS WITHIN AREA OF WORK SHALL BE REMOVED TO ALLOW FOR THE ABATEMENT OF THE CEILING. THE PIPING SHALL BE TEMPORARILY SUPPORTED DURING ABATEMENT AND NEW PERMANENT SUPPORTS SHALL BE PROVIDED AFTER ABATEMENT HAS BEEN COMPLETED.
- G2. PROVIDE FULL PORT BALL VALVE SUITABLE FOR MIN. WORKING PRESSURE OF 175 PSIG. VALVE TO HAVE BRONZE, TWO-PIECE BODY WITH STAINLESS STEEL TRIM PER CORNELL STANDARDS. VALVE TO BE BY ONE OF THE FOLLOWING MANUFACTURERS: NIBCO, WATTS, MILWAUKEE. USE BALL VALVES FOR FLUSHING.

DEMO NOTES:

1. DEMOLISH AND REMOVE DRY UPRIGHT SPRINKLER HEADS. EXISTING SPRINKLER MAIN AND BRANCH PIPING IS EXISTING TO REMAIN.

KEYED NOTES:

1. FURNISH AND INSTALL NEW SEMI-CONCEALED PENDENT DRY SPRINKLER HEADS TO PROVIDE CODE REQUIRED COVERAGE FOR LIGHT HAZARD OCCUPANCY IN THE AREA OF WORK. EXTEND PIPING AS REQUIRED TO NEW LOCATIONS.



3 TYPICAL DRY PENDENT SPRINKLER HEAD DETAIL
SCALE: NONE

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Drawn By: ADK
Checked By: MDS
Project Manager: BRW

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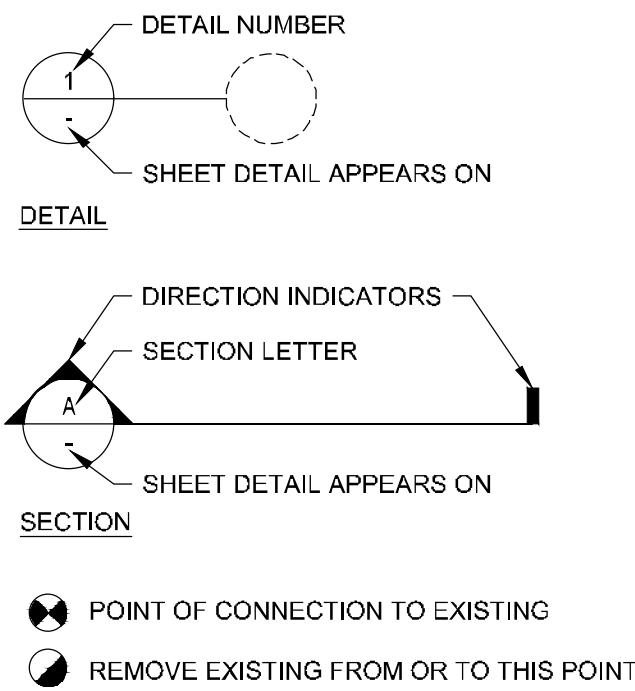
FIRE PROTECTION
PARTIAL FLOOR
PLANS

February 16, 2024
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PLUMBING SYMBOL LEGEND

SINGLE LINE	DOUBLE LINE	SCHEMATIC LINE	SINGLE LINE	DOUBLE LINE	SCHEMATIC LINE

DETAIL, SECTION, & CONNECTION MARKS



PLUMBING ABBREVIATIONS

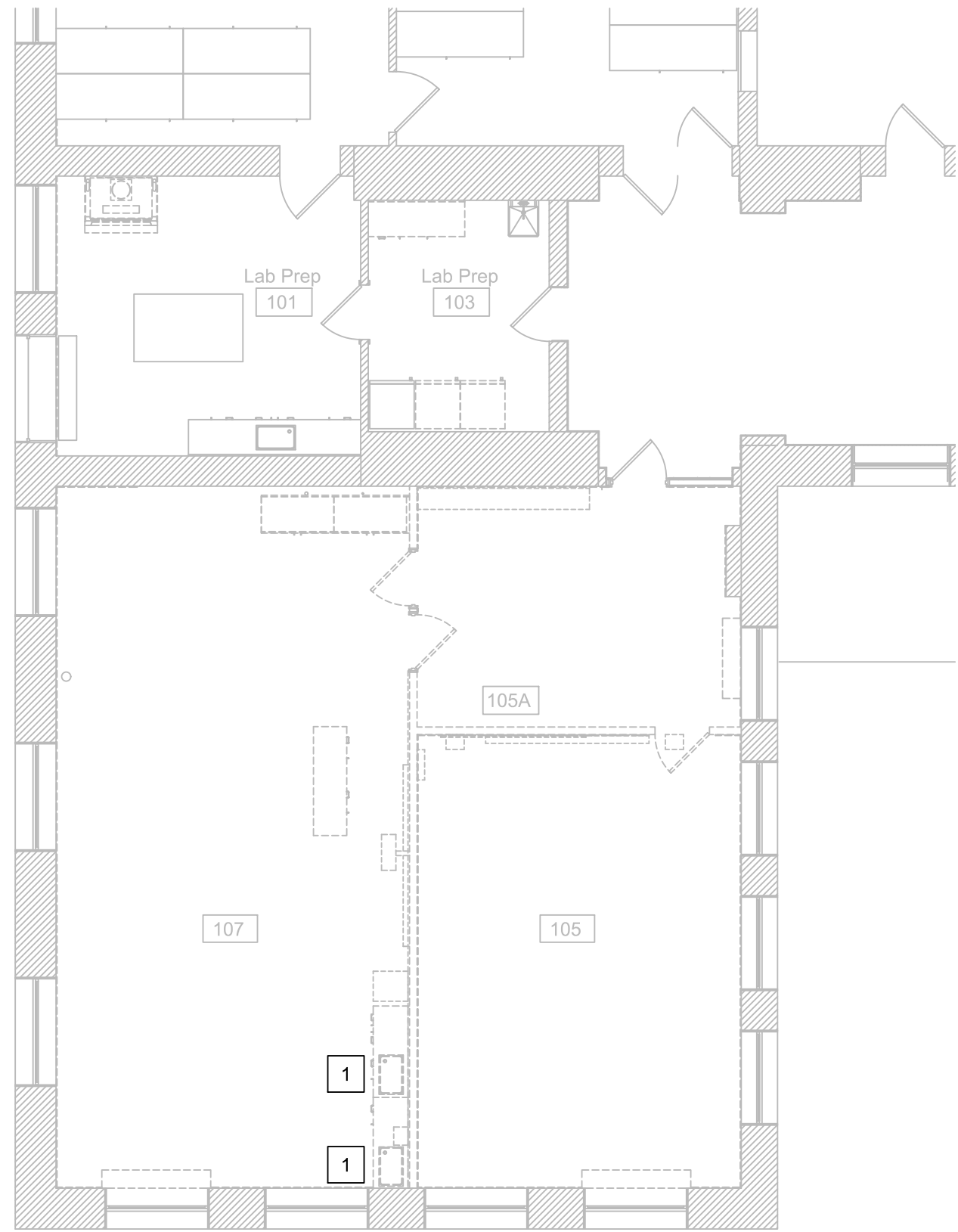
A	AIR	ISC	INTERNATIONAL BUILDING CODE
AAV	AUTOMATIC AIR VENT	ID	INSIDE DIAMETER
AB	ABOVE	IFGC	INTERNATIONAL FUEL GAS CODE
AD	ACCESS DOOR OR AREA DRAIN	IN	INCHES
A/E	ARCHITECT/ENGINEER	IN W	IN W/INCHES WATER COLUMN
ATF	ABOVE FINISHED FLOOR	INW	INVERT
AFG	ABOVE FINISHED GRADE	IN WG	INCHES WATER GAGE
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	IPC	INTERNATIONAL PLUMBING CODE
AGA	AMERICAN GAS ASSOCIATION	IW	INDIRECT WASTE
AHJ	AUTHORITY HAVING JURISDICTION	JC	JANITOR'S CLOSET
AMB	AMBIENT	JS	JANITORS SINK
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE		
AQST	AQUASTAT		
ARCH	ARCHITECT(URAL)	LxWxD	LENGTH x WIDTH x DEPTH
ARW	ACID RESISTIVE WASTE	LAV	LAVATORY
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATING AND AIR-CONDITIONING ENGINEERS	LBS	POUNDS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	LF	LINEAR FEET
AST	ABOVE GROUND STORAGE TANK	LPG	LIQUIFIED PETROLEUM GAS
AUTO	AUTOMATIC	LT	LINT TRAP
AV	ACID VENT	M	METER
AWT	AVERAGE WATER TEMPERATURE	MAX	MAXIMUM
AWWA	AMERICAN WATER WORKS ASSOCIATION	MC	MECHANICAL CONTRACTOR
		MECH	MECHANICAL
BAS	BUILDING AUTOMATION SYSTEM	MFR	MANUFACTURER
BF	BLIND FLANGE	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MR	MOP RECEPTOR
BFP	BACK FLOW PREVENTER	MS	MOP SINK
BLD	BUILDING	MTD	MOUNTED
BLW	BELOW		
BMS	BUILDING MANAGEMENT SYSTEM	N	NITROGEN
BT	BATH TUB	N2O	NITROUS OXIDE
		N/A	NOT APPLICABLE
CA	COMMISSIONING AGENT OR AUTHORITY, OR COMPRESSED AIR	NC	NORMALLY CLOSED
CCO	CEILING CLEANOUT	NEC	NATIONAL ELECTRIC CODE
CI	CAST IRON	NFPA	NON-FREEZE HOSE BIB
CISPI	CAST IRON SOIL PIPE INSTITUTE	NIC	NOT IN CONTRACT
CLG	CEILING	NG	NATURAL GAS
CO	CLEAN OUT	NO	NORMALLY OPEN
COMP	COMPRESSOR	NP	NON-POTABLE
CONN	CONNECTION	NPW	NON-POTABLE WATER
CONT	CONTINUATION	NTS	NOT TO SCALE
CONTR	CONTRACT(OR)	OD	OUTSIDE DIAMETER
COP	COEFFICIENT OF PERFORMANCE	OFCA	OIL FREE COMPRESSED AIR
CLL	CONTRACT LIMIT LINE	OI	OIL INTERCEPTOR
CLTS	CENTERLINE TO TOP OF STEEL	OSD	OVERFLOW STORM DRAIN (SECONDARY)
CM	CONSTRUCTION MANAGER	OXY	OXYGEN
CPVC	CHLORINATED POLYVINYL CHLORIDE	OZ	OUNCE
CU	COPPER		
CU FT	CUBIC FEET	P	PUMP
CU IN/CUBIC INCH		PC	PLUMBING CONTRACTOR
CW	COLD WATER	PD	PRESSURE DROP
		PH	PHASE
*C	DEGREES CELSIUS	PLBG	PLUMBING
*F	DEGREES FAHRENHEIT	PPM	PARTS PER MILLION
Ø	DIAMETER	PSF	POUNDS PER SQUARE FOOT
D	DRYER, APPLIANCE	PSI	POUNDS PER SQUARE INCH
DB	DRY BULB	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
DBP	DOMESTIC BOOSTER PUMP	PSIG	POUNDS PER SQUARE INCH GAUGE
DCW	DOMESTIC COLD WATER	PT	PRESSURE/TEMPERATURE TEST PORT
DEMO	DEMOLITION	PVC	POLYVINYL CHLORIDE
DF	DRINKING FOUNTAIN		
DHC	DOMESTIC HOT WATER RECIRCULATION	RD	ROOF DRAIN
DHRP	DOMESTIC HOT WATER RETURN PUMP	REQD	REQUIRED
DHW	DOMESTIC HOT WATER	ROC	REVERSE OSMOSIS RECIRCULATION
DI	DISTILLED WATER	ROS	REVERSE OSMOSIS SUPPLY
DIR	DIRECT	RPM	REVOLUTIONS PER MINUTE
DIW	DEIONIZED WATER	RPZ	REDUCED PRESSURE ZONE
DN	DOWN	RWC	RAINWATER CONDUCTOR
DP	DOMESTIC PUMP	RX	REMOVE EXISTING
DR	DRAIN		
DRW	DRY WELL	S	SINK or FIRE PROTECTION MAIN PIPE
DTL	DETAIL	SA	SHOCK ABSORBER
DWH	DOMESTIC WATER HEATER	SAN	SANITARY
DWG	DRAWING	SATC	SUSPENDED ACOUSTICAL TILE CEILING
DWR	DRINKING WATER RETURN	SCHED	SCHEDULE
DWS	DRINKING WATER SUPPLY	SD	STORM DRAIN (PRIMARY)
DX	DIRECT EXPANSION	SF	SQUARE FEET
		SK	SINK
EX	EXISTING	SH	SHOWER
EC	ELECTRICAL CONTRACTOR	SI	SOLIDS INTERCEPTOR
EER	ENERGY EFFICIENCY RATIO	SP	STATIC PRESSURE or SPRINKLER BRANCH PIPE
EFF	EFFICIENCY	SPEC	SPECIFICATIONS
ELEC	ELECTRIC(AL)	SQ FT	SQUARE FOOT
ELEV	ELEVATION	SQ IN	SQUARE INCH
EMER SHR	EMERGENCY SHOWER	SSK	SERVICE SINK
EMER EW	EMERGENCY EYEWASH	SST	STAINLESS STEEL
ENGR	ENGINEER	ST	STORAGE TANK
EQUIP	EQUIPMENT		
ETR	EXISTING TO REMAIN	T	TEMPERATURE
EWC	ELECTRIC WATER COOLER	TBR	TO BE REMOVED
EVH	ELECTRIC WATER HEATER	TD	TRENCH DRAIN
EXP	EXPANSION	THA	TOTAL HEAT ADDED
EXT	EXISTING	TP	TEST PORT or TRAP PRIMER
EXT. F&B	EXTERNAL FACE & BYPASS	TSP	TOTAL STATIC PRESSURE
		TSAT	THERMOSTAT
FC	FLEXIBLE CONNECTION	TT	TEMPERATURE TRANSMITTER
FCO	FLOOR CLEAN OUT	Typ	TYPICAL
FD	FLOOR DRAIN OR FIRE DAMPER		
FFE	FINISH FLOOR ELEVATION	U	URINAL
FLR	FLOOR	UCC	UNIFORM CONSTRUCTION CODE
FMS	FACILITY MANAGEMENT SYSTEM	UNO	UNLESS NOTED OTHERWISE
FOS	FUEL OIL SUPPLY	US	UNDER SLAB
FOR	FUEL OIL RETURN	UST	UNDERGROUND STORAGE TANK
FPC	FIRE PROTECTION CONTRACTOR	UR	URINAL
FFM	FEET PER MINUTE		
FPS	FEET PER SECOND	V	VENT
FS	FLOOR SINK	VAC	VACUUM
FT	FEET or FOOT	VBF	VENT BELOW FLOOR
FT LB/FOOT POUND		VTR	VENT THROUGH ROOF
G	GAS	W	WASHER (APPLIANCE) or WASTE
GA	GAUGE	W/	WITH
GAL	GALLONS	W/O	WITHOUT
GALV	GALVANIZED	WC	WATER CLOSET or WATER COLUMN
GC	GENERAL CONTRACTOR	WCO	WALL CLEAN OUT
GI	GREASE INTERCEPTOR	WF	WASH FOUNTAIN
GPD	GALLONS PER DAY	WH	WALL HYDRANT
GPH	GALLONS PER HOUR	WHA	WATER HAMMER ARRESTOR
GT	GREASE TRAP	WPD	WATER PRESSURE DROP
GW	GAS WATER HEATER		
HB	HOSE BIB	YCO	YARD CLEAN OUT
HC	HEATING CONTRACTOR	YD	YARD DRAIN
HD	HEAD	YH	YARD HYDRANT
HCT	HEIGHT		
HP	HORSEPOWER		
HPG	HIGH PRESSURE GAS		
HR	HOUR(S)		
HUM	HUMIDIFIER		
HW	HOT WATER		
HWC	HOT WATER CIRCULATING		

GENERAL NOTES:

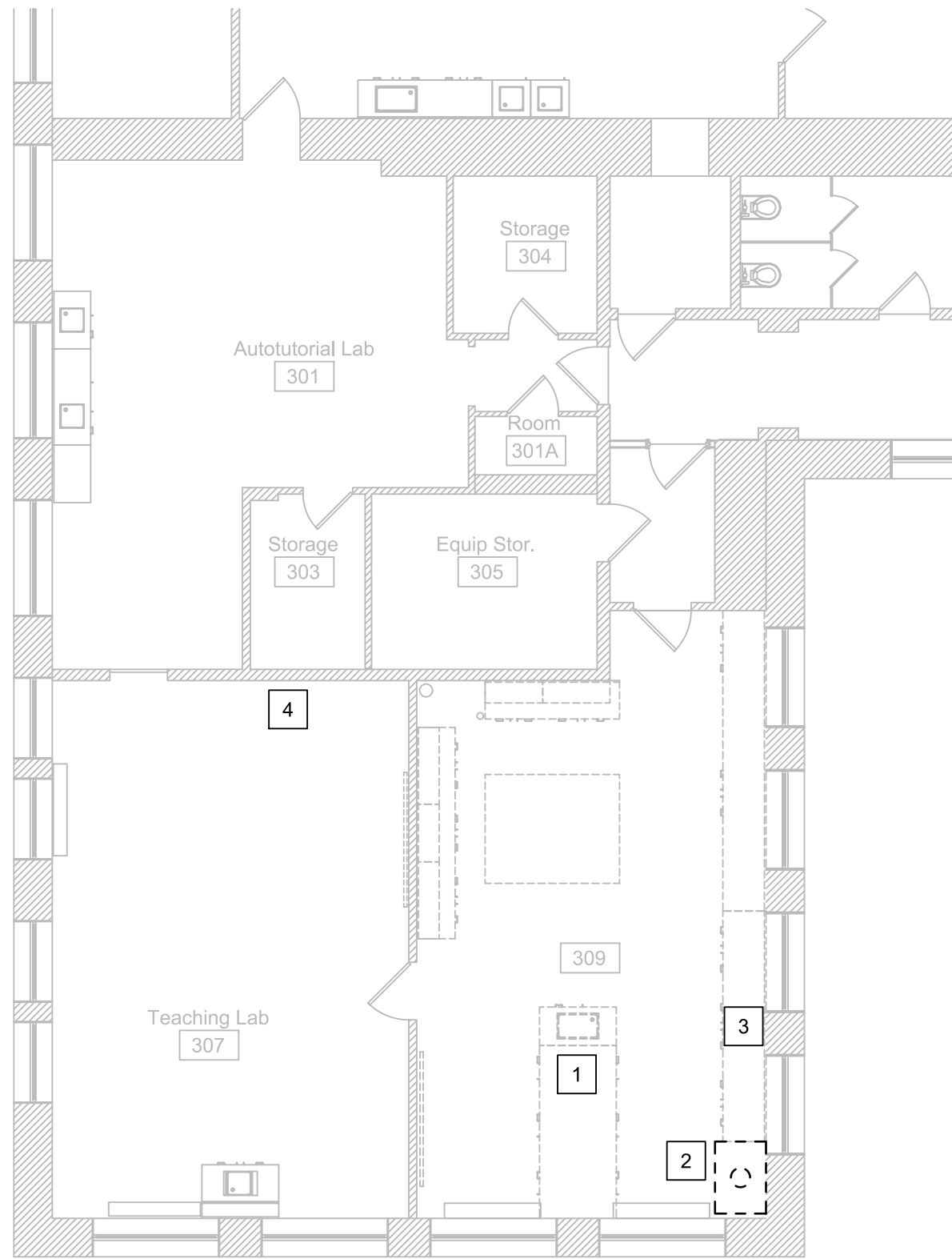
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- THE FIRE RESISTANCE RATINGS OF ALL WALLS, PARTITIONS, FLOORS, STEEL, ETC. SHALL BE MAINTAINED. THE APPLICATION OF PRODUCTS AND/OR DEVICES INTENDED TO MAINTAIN THESE RATINGS SHALL BE SUBMITTED FOR REVIEW AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- IN ORDER TO AVOID DELAY IN THE PROJECT SCHEDULE, AND THE POSSIBLE INSTALLATION OF NON-SPECIFIED MATERIALS, THE CONTRACTOR IS RESPONSIBLE FOR ORDERING ALL PRODUCTS IN A TIMELY FASHION. IF A DELAY OCCURS DUE TO NEGLIGENCE ON PART OF THE CONTRACTOR, ANY FINANCIAL BURDEN ENCOUNTERED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.
- NO EXTRA COMPENSATION OR CHARGES WILL BE ACCEPTED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENTS AND THOSE INDICATED ON THE PLAN. THOROUGHLY COORDINATE WORK WITH SITE CONDITIONS AND OTHER TRADES. DETERMINE EXACT ROUTE AND LOCATION OF EACH DUCT, PIPE, CONDUIT, ETC. BEFORE FABRICATION AND INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ACCESS PANELS, WHETHER INDICATED ON THE CONTRACT DOCUMENTS OR NOT, WHERE REQUIRED TO PROVIDE ACCESS TO THEIR INSTALLATIONS. ACCESS PANELS SHALL MATCH THE FIRE RESISTANCE RATING OF THE PARTITION THAT THEY ARE BEING INSTALLED. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ACCESS PANELS WITH THE ARCHITECT AND WITH OTHER TRADES TO AVOID DUPLICATION.
- INSTALL WORK SUBSTANTIALLY AS INDICATED. VERIFY LOCATIONS AND ELEVATIONS ON JOB SITE. DO NOT DIRECTLY SCALE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES.
- CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.
- THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR OF ALL SURFACES TO MATCH EXISTING MATERIALS AND ADJACENT FINISHES ASSOCIATED WITH INSTALLATION/REMOVAL OF THIS WORK UNLESS SPECIFICALLY NOTED OTHERWISE.
- WORK SHALL BE COMPLETED TO MAINTAIN ALL NECESSARY AND REQUIRED CLEARANCES, ACCESSSES, AND OPENINGS, SUCH THAT FULL FUNCTIONALITY, PROPER OPERATION, AND REPAIR AND MAINTENANCE ARE ENSURED.
- WHERE DEVICE OCCURS IN BRICK, TILE, OR BLOCK WALLS, THEY SHALL BE MOUNTED AT A VERTICAL MASONRY JOINT & IN EITHER THE TOP OR BOTTOM HORIZONTAL JOINT, CLOSEST TO THE MOUNTING HEIGHT.
- UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHT DIMENSIONS LISTED ARE TO THE CENTER LINE OF THE WALL BOX OR DEVICE.
- NOT ALL ABBREVIATIONS & SYMBOLS MAY APPLY TO THIS PROJECT.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
- DRAWINGS REPRESENT THE SCOPE OF WORK IN GENERAL ARRANGEMENT FORM AND ARE INTENDED TO SHOW GENERAL ROUTING AND REQUIRED SIZES/CAPACITIES OF SYSTEM COMPONENTS.

WATER HAMMER ARRESTORS

P.D.I.	FIXTURE UNITS
A	1 - 11
B	12 - 32
C	33 - 60
D	61 - 113
E	114 - 154
F	155 - 330



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



2 PARTIAL THIRD FLOOR PLAN - DEMOLITION
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- G1. SPOT ABATEMENT OF WALLS AND CEILINGS WILL BE REQUIRED TO REMOVE PIPING SUPPORTS AND FUME HOOD CONNECTIONS.

DEMO NOTES:

- DEMOLISH AND REMOVE SINK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO; DOMESTIC HOT AND COLD WATER, WASTE AND VENT PIPING, ETC. CAP PIPING BELOW THE FLOOR.
- DEMOLISH AND REMOVE FUME HOOD IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO; EXHAUST DUCTWORK, POWER, CONTROLS, PIPING, WASTE/VENT, ETC. CAP EXHAUST DUCTWORK ABOVE THE CEILING WITHIN THE ATTIC SPACE.
- DEMOLISH AND REMOVE (4) CUP SINKS IN THEIR ENTIRETY, INCLUDING BUT NOT LIMITED TO; DOMESTIC HOT AND COLD WATER, WASTE AND VENT PIPING, GAS PIPING, TURRETS ETC. CAP PIPING BELOW THE FLOOR.
- DEMOLISH AND REMOVE (3) GAS TURRETS AND PIPING IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO; TURRETS, PIPING, SUPPORTS, ETC.

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Drawn By: ADK
Checked By: MDS
Project Manager: BRW

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Revisions

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SWBR Project Number 23170.00

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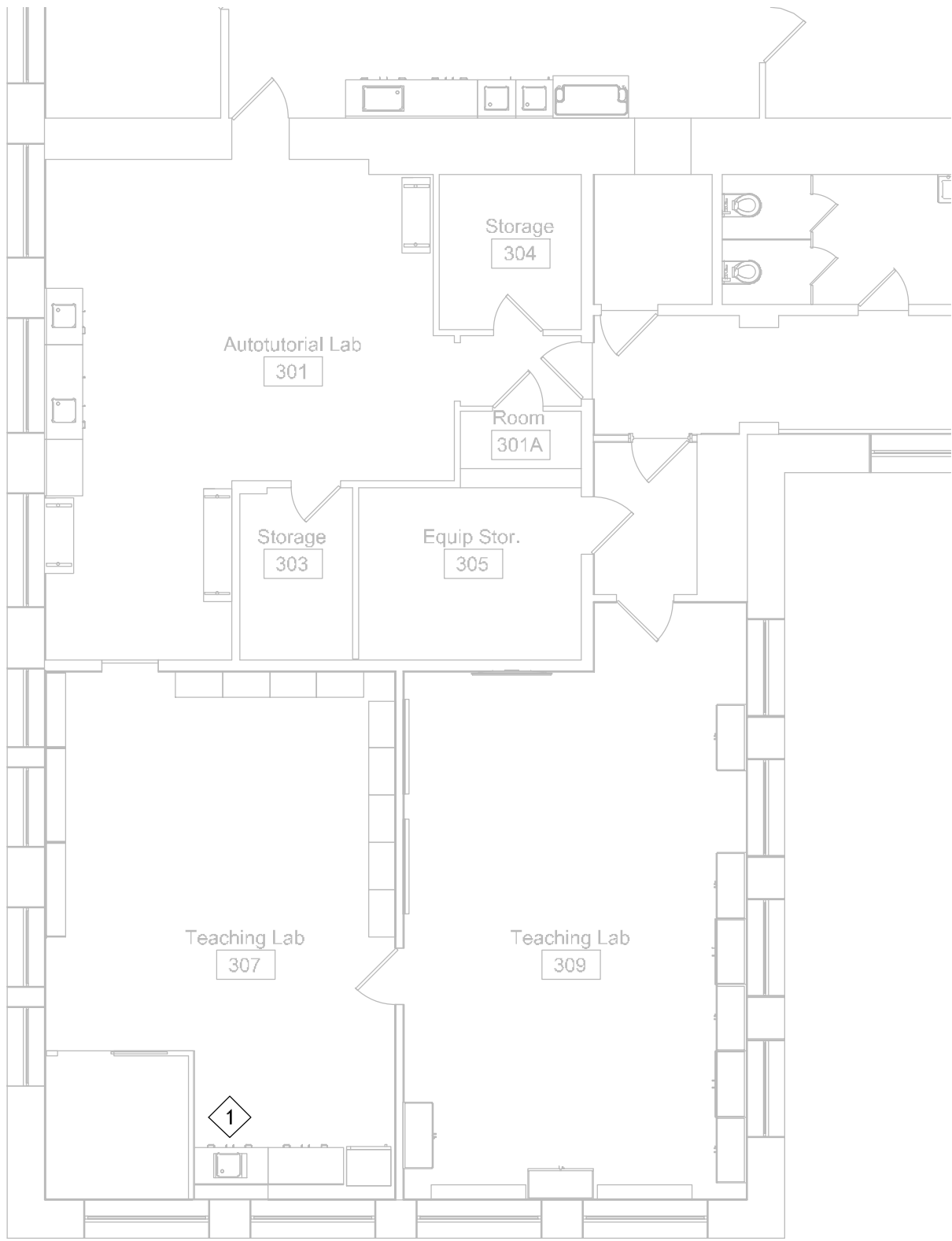
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PLUMBING
PARTIAL FLOOR
DEMOLITION PLANS

February 16, 2024
100% Construction
Documents

FILE PATH:

 1 PARTIAL THIRD FLOOR PLAN - NEW WORK
SCALE: 1/8"=1'-0"



- KEYED NOTES:
1. FURNISH AND INSTALL ZURN Z1180 SOLIDS INTERCEPTOR IN PLACE OF EXISTING P-TRAP UNDER SINK IN CABINET. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. MATCH EXISTING P-TRAP ARM ELEVATION TO SOLIDS INTERCEPTOR DISCHARGE AND PROVIDE SUPPORT INDEPENDENT OF PIPING. EXTEND AND OFFSET WASTE PIPING AS NECESSARY FROM SINK DISCHARGE. MATCH EXISTING MATERIAL.



Drawn By: ADK
Checked By: MDS
Project Manager: BRW

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PLUMBING
PARTIAL THIRD
FLOOR PLAN

February 16, 2024
100% Construction
Documents

HVAC SYMBOL LEGEND	
	DUCT SECTION, EXHAUST
	DUCT SECTION, RETURN
	DUCT SECTION, SUPPLY
	DIRECTION OF AIRFLOW
	SUPPLY AIR DEVICE - DOUBLE LINE
	SUPPLY AIR DEVICE WITH PLENUM BOOT - DOUBLE LINE
	RETURN AIR DEVICE WITH PLENUM BOOT - DOUBLE LINE
	RECTANGULAR DUCT ELBOW WITH TURNING VANES
	VOLUME DAMPER
	MOTOR OPERATED DAMPER
	CABLE OPERATED DAMPER
	FIRE DAMPER, PROVIDE ACCESS DOOR WHERE SHOWN
	FIRE & SMOKE DAMPER, PROVIDE ACCESS DOOR WHERE SHOWN
	SMOKE DAMPER, PROVIDE ACCESS DOOR WHERE SHOWN
	DUCT SMOKE DETECTOR
	DUCT HEAT DETECTOR
	HUMIDISTAT
	THERMOSTAT OR TEMPERATURE SENSOR
	COMBINATION THERMOSTAT / HUMIDISTAT
	CO2 SENSOR
	STATIC DIFFERENTIAL PRESSURE SENSOR
	STATIC PRESSURE SENSOR
	PRESSURE SENSOR
	TEMPERATURE SENSOR
	CHANGE OF DIRECTION, RISE (R), DROP (D)
	ACCESS DOORS, VERTICAL OR HORIZONTAL (MINIMUM SIZE INDICATED)
	FLEXIBLE CONNECTION
	TRANSITION
	HOT WATER DUCT COIL (HWCO)
	ELECTRIC DUCT HEATER (EDH)
	PUMP
	HASHMARK FOR PIPING BELOW SLAB
	DEMO (DASHED-HEAVY LINE)
	EXISTING (LIGHT SOLID LINE)
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	STEAM
	WET CONDENSATE RETURN
	CONDENSATE DRAIN (AIR CONDITIONING)
	PUMPED CONDENSATE
	FUEL OIL SUPPLY
	FUEL OIL RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	GAS
	GLYCOL CHILLED SUPPLY
	GLYCOL CHILLED RETURN
	GLYCOL HOT WATER SUPPLY
	GLYCOL HOT WATER RETURN
	REFRIGERATION - HIGH PRESSURE LIQUID
	REFRIGERATION - LOW PRESSURE SUCTION

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.

MECHANICAL NOTES	
1.	ANY PHYSICAL INSTALLATION MODIFICATIONS DUE TO FIELD CONDITIONS SHALL BE RESOLVED BY THE MECHANICAL CONTRACTOR IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MECHANICAL ENGINEER.
2.	THIS CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS STEEL AND SUPPORTS TO SUSPEND DUCTWORK AND EQUIPMENT.
3.	ALL EQUIPMENT SHALL BE INSTALLED WITH VIBRATION ISOLATORS.
4.	THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT TO ENSURE A COMPLETE SYSTEM.
5.	THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
6.	THE MECHANICAL CONTRACTOR SHALL SEAL ALL HIS RESPECTIVE WALL AND ROOF PENETRATIONS.
7.	THE MECHANICAL CONTRACTOR SHALL PAY FOR ALL FEES AND PERMITS AS NECESSARY TO COMPLETE THE INSTALLATION.
8.	THE MECHANICAL CONTRACTOR SHALL PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN HYDRONIC SYSTEMS AND AT EACH UNIT TO FACILITATE MANUAL VENTING. PROVIDE 3/4" HOSE END DRAINS, (WITH CAP & CHAIN), AT ALL LOW POINTS TO FACILITATE DRAINAGE.
9.	ALL REFRIGERATION PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS, ALL PIPE SIZES SHALL BE PER MANUFACTURER'S REQUIREMENTS BASED ON PROPOSED PIPE ROUTING AND EQUIPMENT LOCATIONS.
10.	ALL REFRIGERANT PIPING SHALL BE PITCHED A MINIMUM OF 1/2" IN 10'-0" IN THE DIRECTION OF THE REFRIGERANT FLOW.
11.	ALL UNDERGROUND OR CONCEALED REFRIGERATION LINES SHALL BE INSULATED WITH 1" FOAMGLAS INSULATION BY PITTSBURG-CORNING WITH PITTWRAP PROTECTIVE COVERING AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
12.	ALL PIPE PENETRATIONS THROUGH CHASES, WALLS, OR FLOORS WHICH ARE FIRE-RATED SHALL BE PROPERLY SEALED TO MAINTAIN RATING.
13.	ALL DUCTS THAT PENETRATE CHASES, WALLS, OR FLOORS WHICH ARE FIRE-RATED SHALL BE INSTALLED WITH FIRE DAMPERS IN ACCORDANCE WITH NFPA 90A. THIS APPLIES EVEN IF THEY ARE NOT SPECIFICALLY SHOWN ON THE DRAWINGS.
14.	COORDINATION DRAWINGS AT NOT LESS THAN A 1/4" PER FOOT, SHOWING THE PROPOSED EQUIPMENT ARE REQUIRED FOR ALL AREAS AND SHALL BE REVIEWED BY ALL TRADES PRIOR TO SUBMISSION TO THE PROFESSIONAL.
15.	ALL DUCTWORK, EQUIPMENT, PIPING, ETC. SHALL BE INSTALLED ABOVE THE FINISHED CEILING UNLESS SPECIFICALLY NOTED OTHERWISE.
16.	WHERE INSTRUCTED TO REMOVE EXISTING AIR DEVICES AND REPLACE UNDER NEW WORK, THIS CONTRACTOR SHALL PHYSICALLY MEASURE THE EXACT DIMENSIONAL REQUIREMENTS OF EACH DEVICE PRIOR TO PROCUREMENT. REFER TO NEW WORK DRAWINGS FOR NOMINAL SIZES AND DETAILS.

DUCTWORK NOTES	
1.	ALL DUCTWORK SIZES NOTED ARE FREE AREA SIZES.
2.	TURNING VANES SHALL BE PROVIDED IN ALL RECTANGULAR DUCT ELBOWS.
3.	SPLITTERS AND BALANCING DAMPERS SHALL BE PROVIDED AT ALL DUCT BRANCHES.
4.	THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INSTALLATION OF AIR DEVICES WITHIN THE CEILING GRID WITH LIGHTING FIXTURES, SPRINKLER HEADS, ETC.
5.	LENGTH OF FLEXIBLE DUCT BRANCHES SHALL NOT EXCEED 7'-0" MAXIMUM. ADDITIONAL LENGTH FOR INDIVIDUAL CONNECTIONS SHALL BE RIGID ROUND SHEET METAL DUCTWORK.
6.	FLEXIBLE DUCT SHALL NOT BE ACCEPTABLE FOR EXHAUST FAN INSTALLATIONS.
7.	DUCTWORK SIZES ARE DEFINITE AND LOCATIONS ARE APPROXIMATE. MECHANICAL CONTRACTOR CAN MAKE MINOR DUCTWORK SIZE REVISIONS TO ACCOMMODATE AVAILABLE SPACE. SIZING SHALL BE BASED ON A MAXIMUM OF .08" PRESSURE LOSS PER 100' (STATIC PRESSURE), AND A MAXIMUM 1100 FPM AIR VELOCITY. DUCTWORK SYSTEMS SHALL BE SIZED BASED ON HVAC FAN STATIC PRESSURE AND FAN DUTY POINTS.

DETAIL, SECTION, & CONNECTION MARKS	
	DETAIL NUMBER
	SHEET DETAIL APPEARS ON
	DIRECTION INDICATORS
	SECTION LETTER
	SHEET DETAIL APPEARS ON
	POINT OF CONNECTION TO EXISTING
	REMOVE EXISTING FROM OR TO THIS POINT

MECHANICAL ABBREVIATIONS			
AB	ABOVE	H	HUMIDITY
AD	ACCESS DOOR OR AREA DRAIN	HC	HEATING CONTRACTOR
ADP	APPARATUS DEW POINT	HD	HEAD
AFB	ABOVE FINISHED FLOOR	HGT	HEIGHT
AFG	ABOVE FINISHED GRADE	HP	HORSEPOWER
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	HR	HOUR(S)
AGA	AMERICAN GAS ASSOCIATION	HUM	HUMIDIFIER
AHJ	AUTHORITY HAVING JURISDICTION	HW	HOT WATER
AHU	AIR HANDLING UNIT	HZ	HERTZ
AMB	AMBIENT		
AMP	AMPERES	ID	INSIDE DIAMETER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	IN WC	INCHES WATER COLUMN
APD	AIR PRESSURE DROP	INV	INVERT
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATING AND AIR-CONDITIONING ENGINEERS	IN WG	INCHES WATER GAGE
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	IW	INDIRECT WASTE
AST	ABOVE GROUND STORAGE TANK	JS	JANITORS SINK
ATC	AUTOMATIC TEMPERATURE CONTROL		
ATCC	AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR	KW	KILOWATT
AVG	AVERAGE	KWH	KILOWATT HOUR
AWG	AMERICAN WIRE GAGE		
AWT	AVERAGE WATER TEMPERATURE	LYWxD	LENGTH x WIDTH x DEPTH
AWWA	AMERICAN WATER WORKS ASSOCIATION	LAT	LEAVING AIR TEMPERATURE
		L	LAVATORY
BAS	BUILDING AUTOMATION SYSTEM	LAV	LAVATORY
BD	BALANCING DAMPER	LF	LINEAR FEET
BF	BLIND FLANGE	LD	LINEAR DIFFUSER
BS	BIRDSCREEN	LBS	POUNDS
BDD	BACKDRAFT DAMPER	LRA	LOCKED ROTOR AMPERES
BTU	BRITISH THERMAL UNIT	LWT	LEAVING WATER TEMPERATURE
BTUH	BRITISH THERMAL UNITS PER HOUR		
BHP	BRAKE HORSEPOWER	M/A	MIXED AIR
		MAX	MAXIMUM
CA	COMMISSIONING AGENT OR AUTHORITY	MBH	1,000 BTUH
CCO	CEILING CLEANOUT	MMBH	1,000,000 BTUH
CFM	CUBIC FEET PER MINUTE	MC	MECHANICAL CONTRACTOR
CI	CAST IRON	MD	MOTORIZED DAMPER
CLG	CEILING	MFR	MANUFACTURER
CONN	CONNECTION	MIN	MINIMUM
CONT	CONTINUATION	MOD	MOTOR OPERATED DAMPER
CONV	CONVECTOR	MR	MOP RECEPTOR
COP	COEFFICIENT OF PERFORMANCE	MTD	MOUNTED
CU FT	CUBIC FEET		
CU IN	CUBIC INCH	N/A	NOT APPLICABLE
CW	COLD WATER	NC	NORMALLY CLOSED
		NIC	NOT IN CONTRACT
*C	DEGREES CELSIUS	NG	NATURAL GAS
*F	DEGREES FAHRENHEIT	NO	NORMALLY OPEN
Ø	DIAMETER	NP	NON-POTABLE
D	DRYER, APPLIANCE	NTS	NOT TO SCALE
DB	DRY BULB		
DBP	DOMESTIC BOOSTER PUMP	O/A	OUTSIDE AIR
DF	DRINKING FOUNTAIN	OD	OUTSIDE DIAMETER OR OVERFLOW DRAIN
DHRP	DOMESTIC HOT WATER RETURN PUMP		
DIR	DIRECT	OED	OPEN END DUCT
DN	DOWN	OZ	OUNCE
DP	DOMESTIC PUMP		
DR	DRAIN	P	PUMP
DWG	DRAWING	PC	PLUMBING CONTRACTOR
DX	DIRECT EXPANSION	PD	PRESSURE DROP
		PH	PHASE
EX	EXISTING	PPM	PARTS PER MILLION
E/A	EXHAUST AIR	PRV	PRESSURE REDUCING VALVE
EAS	ENTERING AIR TEMPERATURE	PSI	POUNDS PER SQUARE INCH
EC	ELECTRICAL CONTRACTOR	PSIG	POUNDS PER SQUARE INCH GAUGE
EER	ENERGY EFFICIENCY RATIO	PT	PRESSURE/TEMPERATURE TEST PORT
EFF	EFFICIENCY	PVC	POLYVINYLCHLORIDE
ELEV	ELEVATION		
ESP	EXTERNAL STATIC PRESSURE	R/A	RETURN AIR
ETR	EXISTING TO REMAIN	RD	ROOF DRAIN
EWC	ELECTRIC WATER COOLER	REQD	REQUIRED
EWV	ELECTRIC WATER HEATER	RH	RELATIVE HUMIDITY
EWT	ENTERING WATER TEMPERATURE	RLA	RUNNING LOAD AMPS
EXT. F&B	EXTERNAL FACE & BYPASS	RPM	REVOLUTIONS PER MINUTE
EXP	EXPANSION	RX	REMOVE EXISTING
		S	SINK
FA	FREE AREA	S/A	SUPPLY AIR
FAS	FIRE ALARM SYSTEM	SATC	SUSPENDED ACOUSTICAL TILE CEILING
FC	FLEXIBLE CONNECTION	SF	SQUARE FEET
FD	FLOOR DRAIN OR FIRE DAMPER	S/FD	SMOKE/FIRE DAMPER
FLA	FULL LOAD AMPERES	SH	SHOWER
FLR	FLOOR	SI	SOLIDS INTERCEPTOR
FMS	FACILITY MANAGEMENT SYSTEM	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
FOS	FUEL OIL SUPPLY	SP	STATIC PRESSURE
FOR	FUEL OIL RETURN		
FPC	FIRE PROTECTION CONTRACTOR		
FPI	FINS PER INCH		
FFM	FEET PER MINUTE	T	TEMPERATURE
FPS	FIRE PROTECTION SYSTEM	TBR	TO BE REMOVED
FS	FLOOR SINK	TCC	TEMPERATURE CONTROL CONTRACTOR
FT	FEET OR FOOT	TD	TRENCH DRAIN
FT LB	FOOT POUND	THA	TOTAL HEAT ADDED
		TP	TEST PORT
GA	GAUGE	TSP	TOTAL STATIC PRESSURE
GAL	GALLONS	TSTAT	THERMOSTAT
GALV	GALVANIZED	TT	TEMPERATURE TRANSMITTER
GCV	GENERAL CONTRACTOR	Typ	TYPICAL
GI	GREASE INTERCEPTOR		
GPH	GALLONS PER HOUR	UNO	UNLESS NOTED OTHERWISE
GPM	GALLONS PER MINUTE	UST	UNDERGROUND STORAGE TANK
GRD	GRILLES, REGISTERS, & DIFFUSERS	UR	URINAL
GWH	GAS WATER HEATER		
		V	VENT
		VAV	VARIABLE AIR VOLUME
		VBF	VENT BELOW FLOOR
		VTR	VENT THROUGH ROOF
		W	WASHER, APPLIANCE OR WASTE
		WB	WET BULB
		WC	WATER CLOSET
		WPD	WATER PRESSURE DROP

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.

GENERAL NOTES:	
1.	CONTRACTORS ARE URGED TO INSPECT THE SITE BEFORE SUBMITTING A BID PROPOSAL TO ENSURE KNOWLEDGE OF PROJECT REQUIREMENTS AND SITE CONDITIONS. IF NO CLARIFICATION IS REQUESTED, IT WILL BE CONSIDERED THAT THE CONTRACTORS ARE IN FULL UNDERSTANDING OF PROJECT REQUIREMENTS.
2.	PROVIDE LABOR, SUPERVISION, EQUIPMENT, MATERIALS, AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION OF THIS WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AUTHORITIES HAVING JURISDICTION, AND STANDARDS INCLUDING BUT NOT LIMITED TO, ASHRAE, IBC, NEC, AND NFPA.
3.	NOTHING CONTAINED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS SHALL BE CONSTRUED TO BE IN CONFLICT WITH ANY STATE OR LOCAL CODES, ORDINANCES OR REGULATIONS.
4.	THE USE OF THE WORD "PROVIDE" SHALL MEAN TO FURNISH, INSTALL AND CONNECT, READY TO USE.
5.	THE USE OF THE WORD "FURNISH" SHALL MEAN TO PROCURE AND DELIVER TO THE SITE.
6.	THE USE OF THE WORD "INSTALL" SHALL MEAN TO PHYSICALLY PLACE INTO SERVICE AND CONNECT, READY TO USE.
7.	EQUIPMENT AND MATERIALS SHALL BE INSTALLED BY SKILLED TRADESMEN, FAMILIAR WITH THE COMPONENTS TO BE INSTALLED, AND IN ACCORDANCE WITH BEST PRACTICES OF THE INDUSTRY.
8.	BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. THIS CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL; STRUCTURAL; HEATING, VENTILATING AND AIR-CONDITIONING; ELECTRICAL; PLUMBING; AND OTHER PROJECT DOCUMENTS AS MAY BE NECESSARY FOR PROPER OPERATION OR INSTALLATION AND SHALL PROVIDE OFFSETS, FITTINGS, AND ACCESSORIES TO MEET PROJECT CONDITIONS.
9.	DISCREPANCIES BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO PROFESSIONAL IN WRITING. OBTAIN WRITTEN INSTRUCTIONS FROM PROFESSIONAL AS TO THE MANNER IN WHICH TO PROCEED. NO DEPARTURES FROM THE PROJECT DOCUMENTS SHALL BE MADE WITHOUT PRIOR WRITTEN ACCEPTANCE BY THE PROFESSIONAL.
10.	DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.
11.	NO EXTRA COMPENSATION OR CHARGES WILL BE ACCEPTED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENTS AND THOSE INDICATED ON THE PLAN. THOROUGHLY COORDINATE WORK WITH SITE CONDITIONS AND OTHER TRADES, DETERMINE EXACT ROUTE AND LOCATION OF EACH DUCT, PIPE, CONDUIT, ETC. BEFORE FABRICATION AND INSTALLATION.
12.	INSTALL WORK SUBSTANTIALLY AS INDICATED. VERIFY LOCATIONS AND ELEVATIONS ON JOB SITE. DO NOT DIRECTLY SCALE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES.
13.	CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.
14.	THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR OF ALL SURFACES TO MATCH EXISTING MATERIALS AND ADJACENT FINISHES ASSOCIATED WITH INSTALLATION/REMOVAL OF THIS WORK UNLESS SPECIFICALLY NOTED OTHERWISE.
15.	WORK SHALL BE COMPLETED TO MAINTAIN ALL NECESSARY AND REQUIRED CLEARANCES, ACCESSSES, AND OPENINGS, SUCH THAT FULL FUNCTIONALITY, PROPER OPERATION, AND REPAIR AND MAINTENANCE ARE ENSURED.
16.	WHERE DEVICE HEIGHT OF 48" OCCURS AT POINT OF CHANGE OF FINISH, THE DEVICE SHALL BE RAISED OR LOWERED TO OCCUR IN ONE FINISH.
17.	WHERE DEVICE OCCURS IN BRICK, TILE, OR BLOCK WALLS, THEY SHALL BE MOUNTED AT A VERTICAL MASONRY JOINT & IN EITHER THE TOP OR BOTTOM HORIZONTAL JOINT, CLOSEST TO THE MOUNTING HEIGHT.
18.	UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHT DIMENSIONS LISTED ARE TO THE CENTER LINE OF THE WALL BOX OR DEVICE.
19.	NOT ALL ABBREVIATIONS & SYMBOLS MAY APPLY TO THIS PROJECT.
20.	ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
21.	DRAWINGS REPRESENT THE SCOPE OF WORK IN GENERAL ARRANGEMENT FORM AND ARE INTENDED TO SHOW GENERAL ROUTING AND REQUIRED SIZES/CAPACITIES OF SYSTEM COMPONENTS.

GENERAL NOTES:

G1. DEMOLISH AND REMOVE EXISTING HHWS & R PIPING AS INDICATED. PREP PIPE FOR NEW CONNECTIONS.



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

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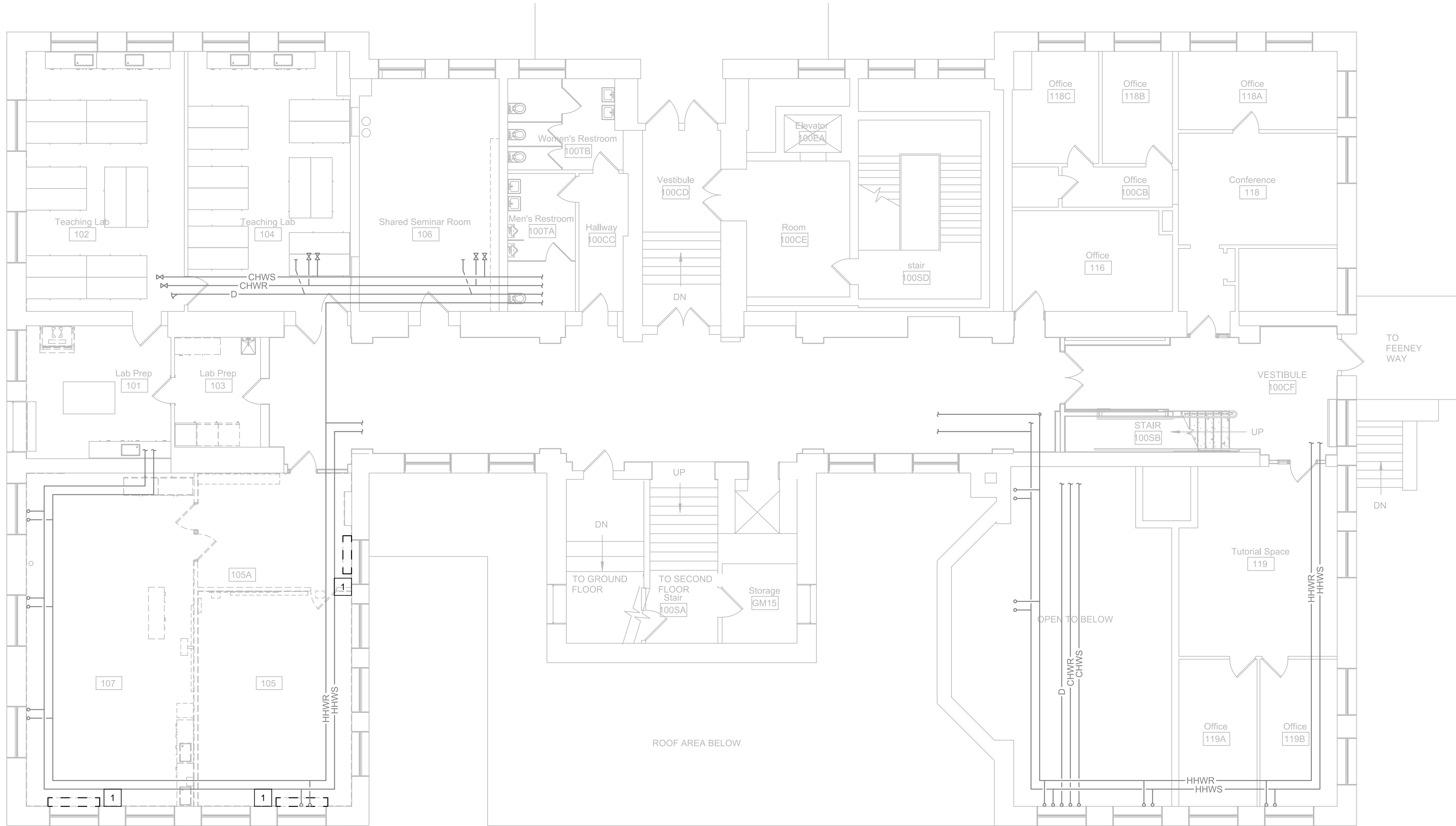
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MECHANICAL
GROUND FLOOR
DEMOLITION PLAN

February 16, 2024
100% Construction
Documents

FILE PATH:

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



GENERAL NOTES:

- G1. ALL CHILLED WATER SUPPLY/RETURN, CONDENSATE, AND HEATING HOT WATER SUPPLY/RETURN PIPING SUPPORTS WITHIN ROOMS 105, 105A AND 107 SHALL BE REMOVED TO ALLOW FOR THE ABATEMENT OF THE CEILING. THE PIPING SHALL BE TEMPORARILY SUPPORTED DURING ABATEMENT AND NEW PERMANENT SUPPORTS BE PROVIDED AFTER ABATEMENT HAS BEEN COMPLETED.
- G2. ALL CHILLED WATER SUPPLY/RETURN, CONDENSATE, AND HEATING HOT WATER SUPPLY/RETURN PIPING SUPPORTS WITHIN ROOMS 105 AND 109 SHALL BE RE-INSULATED.
- G3. SPOT ABATEMENT OF WALLS AND CEILINGS WILL BE REQUIRED TO REMOVE PIPING SUPPORTS, AND FOR NEW HEATING HOT WATER PIPING PENETRATIONS THROUGH THE FLOOR.

DEMO NOTES:

1. DEMOLISH AND REMOVE HEATING ONLY, FLOOR MOUNTED CONSOLE FAN COIL UNIT IN ITS ENTIRETY, INCLUDING BUT LIMITED TO; HEATING HOT WATER SUPPLY/RETURN PIPING, POWER, CONTROLS, ETC.

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Drawn By: ADK
Checked By: MDS
Project Manager: BRW

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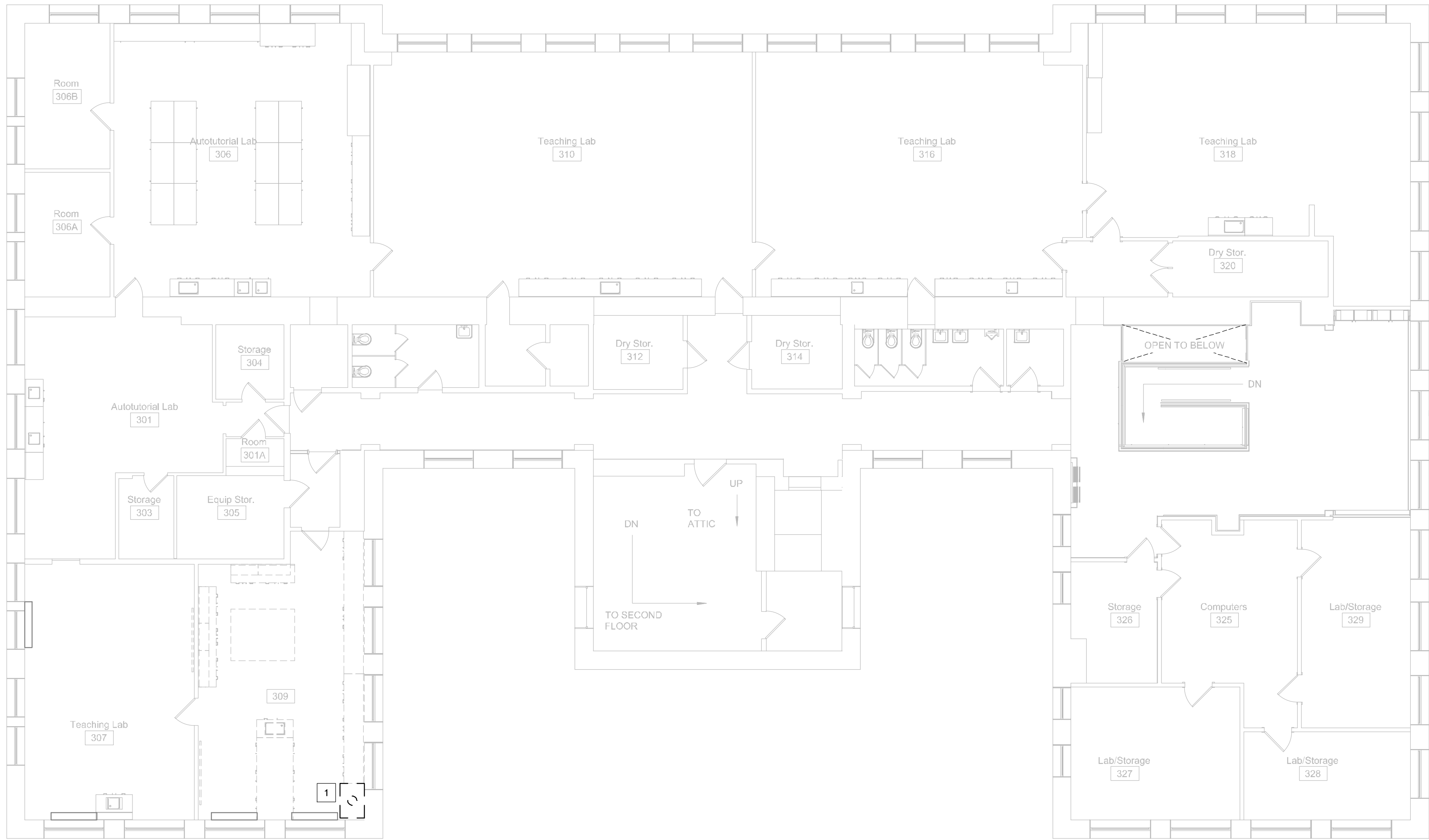
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MD-101

MECHANICAL
FIRST FLOOR
DEMOLITION PLAN

February 16, 2024
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Documents



GENERAL NOTES:

G1. SPOT ABATEMENT OF WALLS AND CEILINGS WILL BE REQUIRED TO REMOVE PIPING SUPPORTS AND FUME HOOD CONNECTIONS.

DEMO NOTES:

- DEMOLISH AND REMOVE FUME HOOD IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO; EXHAUST DUCTWORK, POWER, CONTROLS, PIPING, WASTE/VENT, ETC. CAP EXHAUST DUCTWORK ABOVE THE CEILING WITHIN THE ATTIC SPACE.

1 THIRD FLOOR PLAN - DEMOLITION
SCALE: 1/8"=1'-0"

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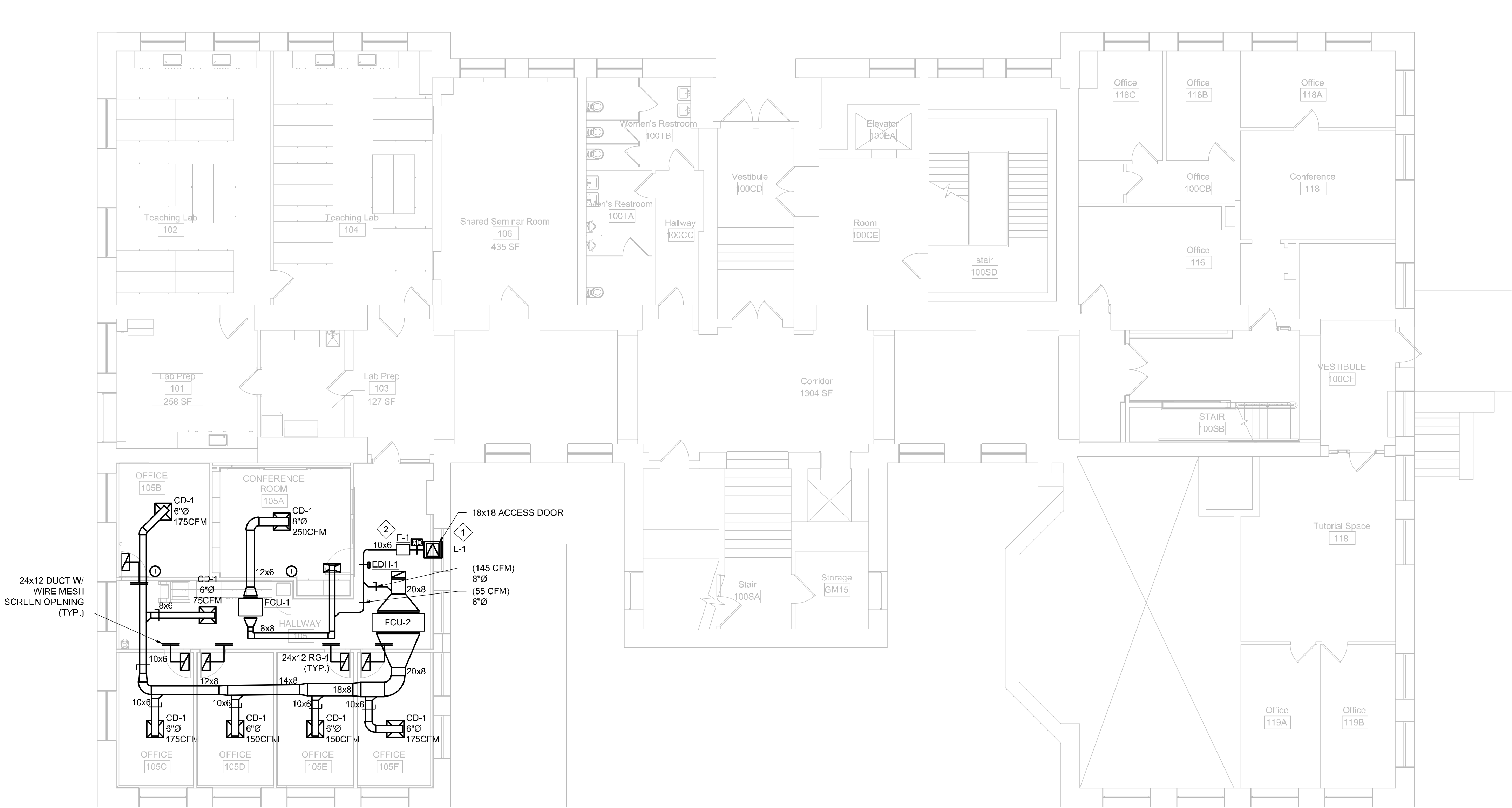
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MD-103

MECHANICAL
THIRD FLOOR
DEMOLITION PLAN

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FILE PATH:



- KEYED NOTES:**
- FURNISH AND INSTALL INTAKE LOUVER L-1 AS SCHEDULED ON M-700. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING IN NEW INSULATED PANEL IN EXISTING WINDOW.
 - FURNISH AND INSTALL OUTSIDE AIR INTAKE FAN F-1 AS SCHEDULED ON M-700. OUTSIDE AIR DUCTWORK AND FAN SHALL BE INSULATED PER SPECIFICATION 230700.

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

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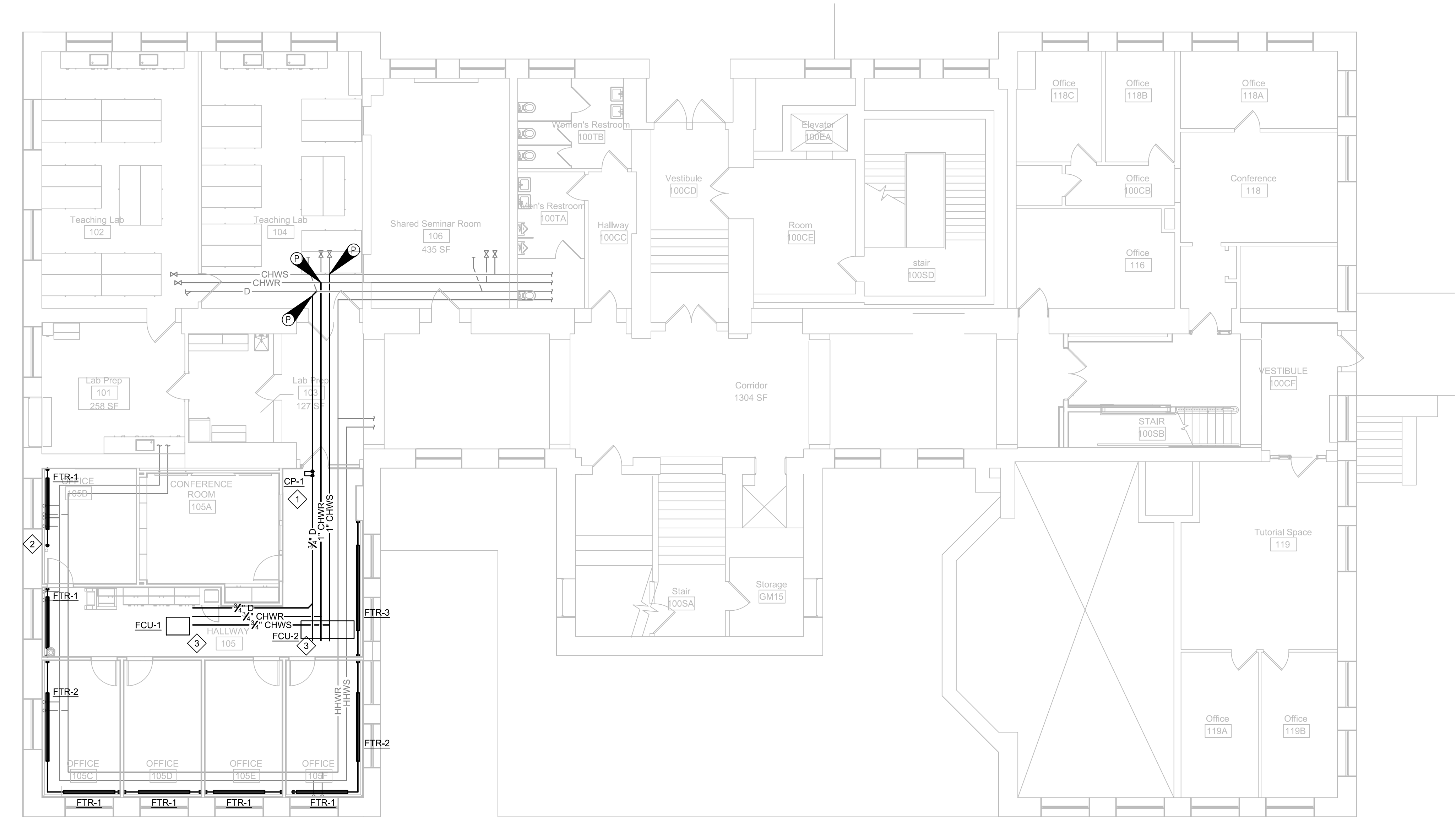
M-101

**MECHANICAL
FIRST FLOOR
PLAN**

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FILE PATH:



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

GENERAL NOTES:

- G1. ANY NEW EXPOSED PIPING TO BE HIGH AND TIGHT TO EXISTING PLASTER CEILING AND PROVIDED WITH PVC PIPING JACKET. COORDINATE SPOT ABATEMENT FOR EXPOSED PIPING SUPPORTS OUTSIDE OF WORK AREA.
- G2. ALL HEATING HOT WATER SUPPORTS AND INSULATION WITHIN AREA OF WORK SHALL BE REMOVED TO ALLOW FOR THE ABATEMENT OF THE CEILING. THE PIPING SHALL BE TEMPORARILY SUPPORTED DURING ABATEMENT. NEW PERMANENT SUPPORTS AND INSULATION SHALL BE PROVIDED AFTER ABATEMENT HAS BEEN COMPLETED.

KEYED NOTES:

1. FURNISH AND INSTALL PLENUM RATED LITTLE GIANT VCCA-20-P CONDENSATE PUMP **CP-1**.
2. FURNISH AND INSTALL FINNED-TUBE RADIATION (FTR) AS SHOWN AND AS SCHEDULED ON M-700. ENCLOSURES SHALL BE CONTINUOUS BETWEEN WALLS IN ALL OFFICES EXCEPT OFFICE 105B WHERE THE EXISTING SPRINKLER RISER INTERFERES. FTRs LOCATED IN HALLWAY 105 SHALL BE MOUNTED 6" AFF ABOVE NEW BASEBOARDS.
3. FURNISH AND INSTALL FAN COIL UNITS **FCU-1** & **FCU-2** AS SCHEDULED ON M-700 AND DETAILED ON M-500.

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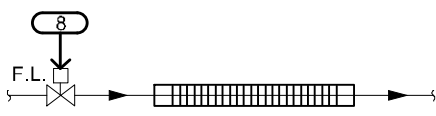
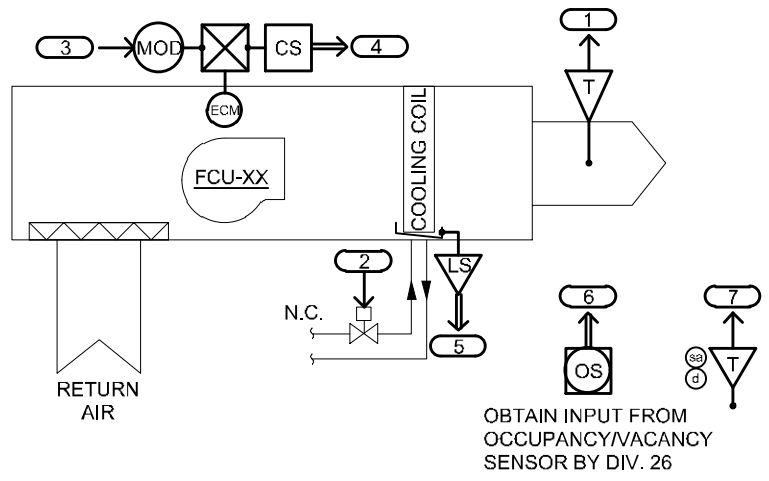
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M-201

**MECHANICAL
FIRST FLOOR
PIPING PLAN**

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FAN COIL SCHEDULE																					
TAG NO.	SERVICE	MANUFACTURER	MODEL	TOTAL FAN CFM	OUTSIDE AIR CFM	ESP	MOTOR TYPE	TOTAL CAPACITY	SENSIBLE CAPACITY	GPM	FLUID P.D	EWT/LWT [°F]	EAT DB [°F]	EAT WB [°F]	LAT DB [°F]	LAT WB [°F]	MOTOR #1 HP	MOTOR #2 HP	V/P/HZ	MCA/MFS	NOTES
FCU-1	105A CONFERENCE ROOM	TRANE	FCC020	200	55	0.25	HIGH STATIC ECM	4,910 BTUH	4,370 BTUH	0.65	0.96	47/62	80	67	59.97	59.31	0.130	-	115/1/60	1.38/15.00	1-4
FCU-2	105B-F OFFICES	TRANE	FCC100	1000	145	0.25	HIGH STATIC ECM	30,970 BTUH	24,080 BTUH	4.12	5.83	47/62	80	67	57.91	57.11	0.130	0.220	115/1/60	6.07/15.00	1-4
NOTES: 1. PROVIDE STAINLESS STEEL DRAIN PAN WITH CONDENSATE OVERFLOW SWITCH. 2. PROVIDE FLEXIBLE INLET/OUTLET DUCT CONNECTORS. 3. PROVIDE DISPOSABLE MERV13 FILTER IN FACTORY FILTER FRAME. 4. PROVIDE FACTORY MOUNTED NON-FUSED DISCONNECT																					



POINT #	CONTROL POINT NAME	HARDWARE POINTS					SOFTWARE POINTS					SHOW ON GRAPHIC	NOTES
		BI	BO	AI	AO	AV	BV	SCH	TREND	ALARM			
1	FCU DISCHARGE AIR TEMPERATURE/SET POINT			X		X			X	BASIS/EMCS	TEMPERATURE ALARM, SENSOR FAILURE	X	
2	FCU COOLING COIL CONTROL VALVE POSITION COMMAND				X	X						X	NORMALLY CLOSED
3	FCU ECM FAN STARTS/STOP/SPEED				X				X			X	
4	FCU ECM STATUS (ON/OFF)	X							X	X	FAN FAILURE	X	
5	FCU OVERFLOW SWITCH STATUS	X							X	X	OVERFLOW	X	
6	SPACE OCCUPANCY	X						X	X	X		X	
7	SPACE TEMPERATURE			X		X				X	DEVIATION FROM SETPOINT	X	
8	BASEBOARD RADIATION CONTROL VALVE POSITION COMMAND	X			X	X			X	X		X	

GENERAL:

THE EXISTING ALC CONTROLLER IS LOCATED ON THE FIRST FLOOR.

FAN COIL ECM FAN TO RUN CONTINUOUSLY DURING THE SCHEDULED OCCUPIED PERIOD.

SET POINTS:

SPACE COOLING TEMPERATURE SET POINTS:
OCCUPIED: 75°F +/-1.5°F
OCCUPIED SETBACK: 75°F +/- 3°F
UNOCCUPIED: 75°F +/-6°F

SPACE HEATING TEMPERATURE SET POINTS:
OCCUPIED: 70°F +/-1.5°F
OCCUPIED SETBACK: 70°F +/- 3°F
UNOCCUPIED: 70°F +/-6°F

SPACE OCCUPANCY:

ZONE OCCUPANCY SHALL BE DETERMINED BASED ON A COMBINATION OF A TIME OF DAY SCHEDULE AND SPACE OCCUPANCY/VACANCY SENSORS.

DURING THE SCHEDULED OCCUPANCY PERIOD, THE ZONE SHALL BE INITIALLY INDEXED TO OCCUPIED AND OPERATE FOR A MINIMUM OF 30 MINUTES, AT WHICH TIME THE SPACE OCCUPANCY SHALL INDEX THE SPACE BETWEEN OCCUPIED AND OCCUPIED SETBACK MODE.

IF THE SPACE BECOMES OCCUPIED DURING THE SCHEDULED UNOCCUPIED PERIOD, AS DETERMINED VIA THE OCCUPANCY/VACANCY SENSORS, THE ZONE SHALL BE INDEXED TO OCCUPIED FOR THE DURATION OF THE OCCUPANCY. THE ZONE SHALL INDEX BACK TO UNOCCUPIED WHEN OCCUPANCY IS NOT SENSED FOR A PERIOD OF 30 MINUTES.

ZONE TEMPERATURE CONTROL:

TEMPERATURE SET POINTS SHALL BE BASED ON A COMBINATION OF PROGRAMMED SCHEDULE AND SPACE OCCUPANCY/VACANCY SENSORS.

OCCUPIED HEATING: IF THE SPACE IS OCCUPIED DURING THE SCHEDULED OCCUPIED PERIOD AND THE ZONE TEMPERATURE FALLS BELOW THE OCCUPIED SET POINT, THE BASEBOARD RADIATION CONTROL VALVE SHALL MODULATE TOWARD THE OPEN POSITION AS REQUIRED TO MAINTAIN THE SET POINT AND THE COOLING COIL CONTROL VALVE SHALL BE CLOSED.

OCCUPIED COOLING: IF THE SPACE IS OCCUPIED DURING THE SCHEDULED OCCUPIED PERIOD AND THE ZONE TEMPERATURE RISES ABOVE THE OCCUPIED SET POINT, THE BASEBOARD RADIATION CONTROL VALVE SHALL BE CLOSED AND THE COOLING COIL CONTROL VALVE SHALL MODULATE TOWARD THE OPEN POSITION AS REQUIRED TO MAINTAIN THE SET POINT.

UNOCCUPIED HEATING: IF THE SPACE IS UNOCCUPIED DURING THE SCHEDULED UNOCCUPIED PERIOD AND THE ZONE TEMPERATURE FALLS BELOW THE UNOCCUPIED HEATING TEMPERATURE SET POINT, THE BASEBOARD RADIATION CONTROL VALVE SHALL MODULATE TOWARD THE OPEN POSITION AS REQUIRED TO MAINTAIN THE SET POINT.

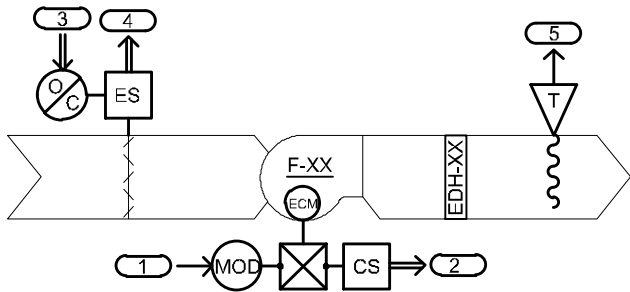
UNOCCUPIED COOLING: IF THE SPACE IS UNOCCUPIED DURING THE SCHEDULED UNOCCUPIED PERIOD AND THE ZONE TEMPERATURE RISES ABOVE THE UNOCCUPIED SET POINT, THE BASEBOARD RADIATION CONTROL VALVE SHALL BE CLOSED AND THE COOLING COIL CONTROL VALVE SHALL MODULATE TOWARD THE OPEN POSITION AS REQUIRED TO MAINTAIN THE SET POINT.

IF THE SPACE BECOMES OCCUPIED DURING THE SCHEDULED UNOCCUPIED PERIOD, THE SPACE SHALL INDEX TO THE OCCUPIED MODE FOR THE DURATION OF THE OCCUPANCY.

OCCUPIED SETBACK: IF THE SPACE BECOMES UNOCCUPIED DURING THE SCHEDULED OCCUPIED PERIOD, THE SPACE TEMPERATURE SET POINT SHALL CHANGE TO THE OCCUPIED SETBACK SET POINT FOR HEATING OR COOLING.

THE FAN COIL SHALL OPERATE IN CONJUNCTION WITH THE VENTILATION FAN, BOTH SHALL RUN BASED ON A COMBINATION OF PROGRAMMED SCHEDULE AND SPACE OCCUPANCY/VACANCY SENSORS.

COOLING ONLY FAN COIL UNIT AND BASEBOARD RADIATION CONTROL POINTS



POINT #	CONTROL POINT NAME	HARDWARE POINTS					SOFTWARE POINTS					SHOW ON GRAPHIC	NOTES
		BI	BO	AI	AO	AV	BV	SCH	TREND	ALARM			
1	FAN ECM START/STOP SPEED				X				X		X		
2	FAN ECM STATUS	X							X	X		VIA CURRENT SENSOR	
3	ISOLATION DAMPER POSITION COMMAND		X						X		X		
4	ISOLATION DAMPER STATUS	X							X		X	VIA END SWITCH	
5	ELECTRIC DUCT HEATER LEAVING AIR TEMPERATURE			X		X			X	X	X	±4 °F FROM SETPOINT AVERAGING SENSOR	

FAN ECM AND EDH CONTROL POINTS

SEQUENCE OF OPERATION:

THE OUTSIDE AIR FAN SHALL RUN CONTINUOUSLY AND MOTORIZED DAMPER SHALL BE OPEN DURING THE SCHEDULED OCCUPIED PERIOD. IF THE SPACE BECOMES OCCUPIED DURING THE SCHEDULED UNOCCUPIED PERIOD AS DETERMINED BY THE OCCUPANCY/VACANCY SENSORS, THE OUTSIDE AIR FAN SHALL RUN FOR THE DURATION OF THE OCCUPANCY.

THE ELECTRIC DUCT HEATER SHALL MAINTAIN AN OUTSIDE AIR SUPPLY TEMPERATURE OF 70°.

FINNED TUBE RADIATION SCHEDULE																		
EQUIP. TAG	MANUFACTURER	MODEL NUMBER	ENCLOSURE		ELEMENT							RATINGS				TOTAL CAPACITY (BTUH)	FLUID FLOW (GPM)	NOTES
			STYLE	HEIGHT (IN)	MTG HEIGHT (IN)	TUBE SIZE (IN)	FIN SIZE (IN)	FINS/FT	TIERS	ACTIVE LENGTH (FT)	EAT (F)	EWT (F)	LWT (F)	BTU/HR/ FT				
FTR-1	MODINE	SP 008	SLOPE TOP	8	4	3/4	3-1/4"x2-3/4"	34	1	6	65	190	170	660	3960	0.8	1-6	
FTR-2	MODINE	SP 008	SLOPE TOP	8	4	3/4	3-1/4"x2-3/4"	34	1	8	65	190	170	660	5280	0.8	1-6	
FTR-3	MODINE	SP 008	SLOPE TOP	8	4	3/4	3-1/4"x2-3/4"	34	1	10	65	190	170	660	6600	0.8	1-6	
NOTES: 1. PROVIDE PIPING TRIM AND ACCESSORIES PER DETAIL 3 ON M-500 2. PROVIDE MANUAL AIR VENT AT RETURN PIPING 3. PROVIDE SHUT-OFF VALVES AT SUPPLY INLET AND RETURN OUTLET 4. PROVIDE NECESSARY TRIM ACCESSORIES TO HAVE CONTINUOUS ENCLOSURES 5. PROVIDE BALANCING VALVE AT RETURN PIPING 6. PROVIDE DDC TEMPERATURE CONTROL VALVE AT SUPPLY PIPING AS SHOWN ON M-200																		

CONTROL VALVES & VALVE ACTUATORS												
EQUIP. TAG	MFG	CONTROL VALVE MODEL	VALVE ACTUATOR MODEL	POWER SUPPLY	OPERATING RANGE	FAIL POSITION	SERVICE	FLUID TYPE	FLUID TEMP °F	FLUID FLOW		
										GPM	LBS/HR	
CV-1	BELIMO	B2 SERIES	ARB24-SR	24 VDC	2 -10 VDC, 4-20 mA	FAIL LAST	SUITE 105 - FINNED TUBE RADIATORS	HHW	190	5.6	-	
CV-2	BELIMO	B2 SERIES	TFRB24-SR	24 VDC	2 -10 VDC, 4-20 mA	NORMALLY CLOSED SPRING RETURN	FCU-1	CHW	47	0.65	-	
CV-3	BELIMO	B2 SERIES	TFRB24-SR	24 VDC	2 -10 VDC, 4-20 mA	NORMALLY CLOSED SPRING RETURN	FCU-2	CHW	47	4.12	-	

INLINE FAN SCHEDULE											
EQUIP. TAG	MANUFACTURER	MODEL NUMBER	FAN TYPE	LOCATION	SERVICE	AIRFLOW (CFM)	STATIC PRESSURE (IN. WG.)	FAN RPM	MOTOR SIZE (HP)	DRIVE TYPE	VOLT S/Ø
F-1	GREENHECK	SQ-80-VP	INLINE	105 HALLWAY	FCU-1 & 2 OUTSIDE AIR	200	0.5	1550	0.05	DIRECT	115/1
NOTES:	1. FACTORY VARI-GREEN EC MOTOR 2. FACTORY MOUNTED NON-FUSED DISCONNECT 3. FAN TO BE CONTROLLED BY TIME OF DAY SCHEDULE VIA BACS										

ELECTRIC DUCT HEATER SCHEDULE												
TAG NO.	MANUFACTURER	MODEL NUMBER	KW	EAT (°F)	LAT (°F)	CFM	NO. OF HEATER STAGES	VOLTAGE/ PHASE	DUCT DIMENSIONS (WxH)	CONTROL OPTION	CONTROL CIRCUIT VOLTAGE	NOTES
EDH-1	INDEECO	QUA SLIP-IN	5.5	-5	82	200	SCR 0-100%	208/3	10x6	G	24	1.2
NOTES: 1. FURNISH DUCT HEATERS WITH BUILT-IN DISCONNECT SWITCH, CONTROL TRANSFORMER, AIR FLOW SWITCH, AUTOMATIC & MANUAL THERMAL CUT OUT & AUXILIARY CONTACT FOR REMOTE UNIT SHUTDOWN. 2. PROVIDE DUCT THERMOSTAT FOR HEATER CONTROL.												

LOUVER / DAMPER SCHEDULE									
EQUIP. NUMBER	MANUFACTURER	MODEL NO.	BLADE STYLE	AIR FLOW CFM	SIZE W X H	PRESS. DROP, I.W.G	FREE AREA	WATER PENETRATION (OZ. WTR/S.F.)	NOTES
L-1	RUSKIN	ELF 15 J	1.5" x.063	200	24x6	0.028	50% MIN	N/A	1-8
NOTES: 1. BIRD SCREEN, 3/4" EXPANDED ALUMINUM 2. 6063T5 EXTRUDED ALUMINUM CONSTRUCTION 3. PROVIDE FRONT FLANGE 4. HORIZONTAL 6063T5 EXTRUDED BLADES 5. COLOR SHALL BE ARCHITECTS CHOICE FROM STANDARD COLORS 6. PROVIDE 2 POSITION ACUATORS WITH 12V, 2.2 AMP MOTORS 7. MOUNT ALL ACTUATORS AND MOTORS INDOORS AND OUTSIDE AIRSTREAM 8. MECHANICAL CONTRACTOR TO BLANK-OFF UNUSED PORTION OF LOUVER									

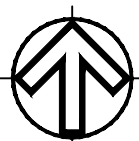
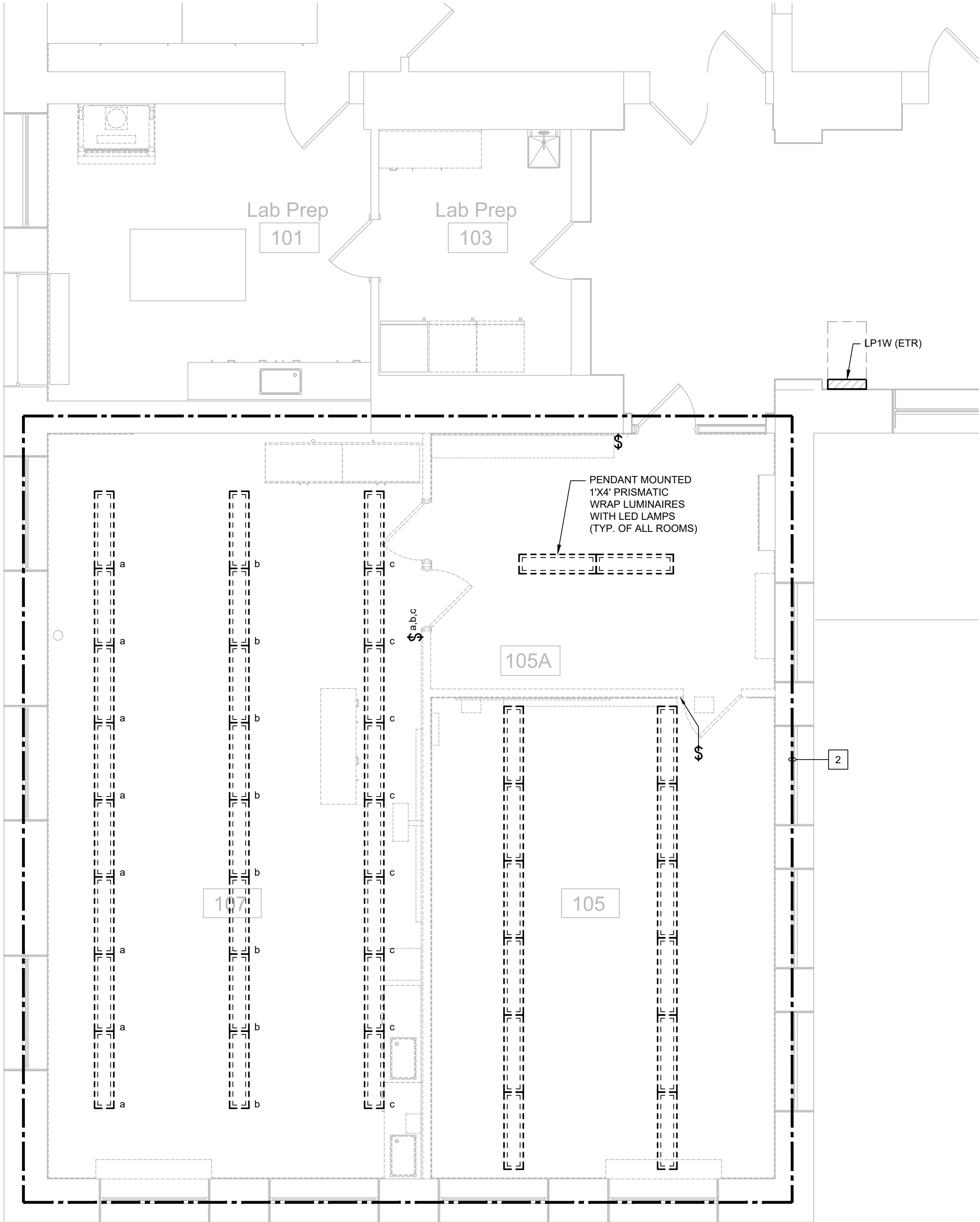
GRILLES/REGISTERS/DIFFUSERS SCHEDULE								
TAG NO.	SERVICE	MANUFACTURER	MODEL	FACE SIZE	NECK DIAM.	BORDER	FINISH	NOTES
CD-1	SUPPLY	TITUS	OMNI	24x24	SEE PLAN	LAY-IN	BY ARCH.	1
RG-1	RETURN	TITUS	355RL	SEE PLAN	-	LAY-IN	BY ARCH.	1
NOTES: 1. ARCHITECT TO CONFIRM/ADVISE ALL PAINT FINISHES/COLORS AND FRAME BORDER/STYLE.								

Revisions

M-700

MECHANICAL
SCHEDULES

FILE PATH:



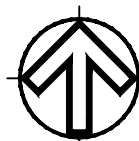
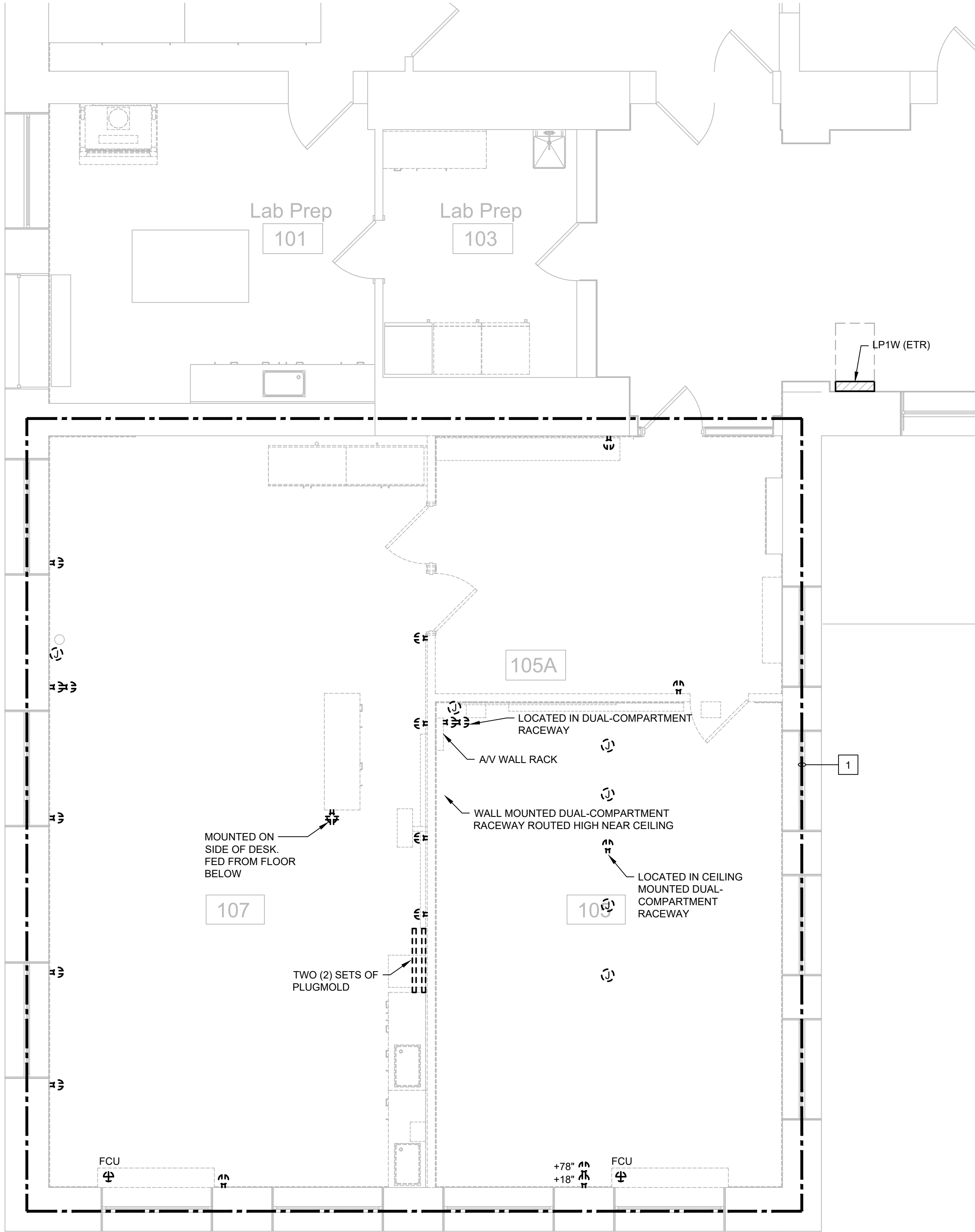
1 PARTIAL FIRST FLOOR LIGHTING PLAN - DEMOLITION
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- G1. UNLESS NOTED OTHERWISE, ALL EXISTING WIRING DEVICES SHOWN ON THIS DRAWING ARE SURFACE MOUNTED. REFER TO DEMO NOTES BELOW FOR REMOVAL REQUIREMENTS.

DEMO NOTES:

1. DE-ENERGIZE ALL EXISTING SURFACE MOUNTED JUNCTION BOXES, RECEPTACLES, PLUGMOLD & DISCONNECTS WITHIN THE INDICATED AREA TO ALLOW FOR REMOVAL BY ABATEMENT CONTRACTOR. ALL ASSOCIATED SURFACE MOUNTED RACEWAY SHALL BE REMOVED BY ABATEMENT CONTRACTOR. UPON COMPLETION OF ABATEMENT WORK, ELECTRICAL CONTRACTOR SHALL REMOVE REMAINING PORTIONS OF BRANCH CIRCUITING BACK TO SOURCE.
2. DE-ENERGIZE ALL EXISTING PENDANT MOUNTED LUMINAIRES WITHIN THE INDICATED AREA TO ALLOW FOR REMOVAL BY ABATEMENT CONTRACTOR. ALL ASSOCIATED CONTROL DEVICES AND SURFACE MOUNTED RACEWAY SHALL BE REMOVED BY ABATEMENT CONTRACTOR. UPON COMPLETION OF ABATEMENT WORK, ELECTRICAL CONTRACTOR SHALL REMOVE REMAINING PORTIONS OF BRANCH CIRCUITING BACK TO SOURCE.



2 PARTIAL FIRST FLOOR POWER PLAN - DEMOLITION
SCALE: 1/4"=1'-0"

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Checked By: BRW
Project Manager: BRW

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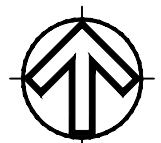
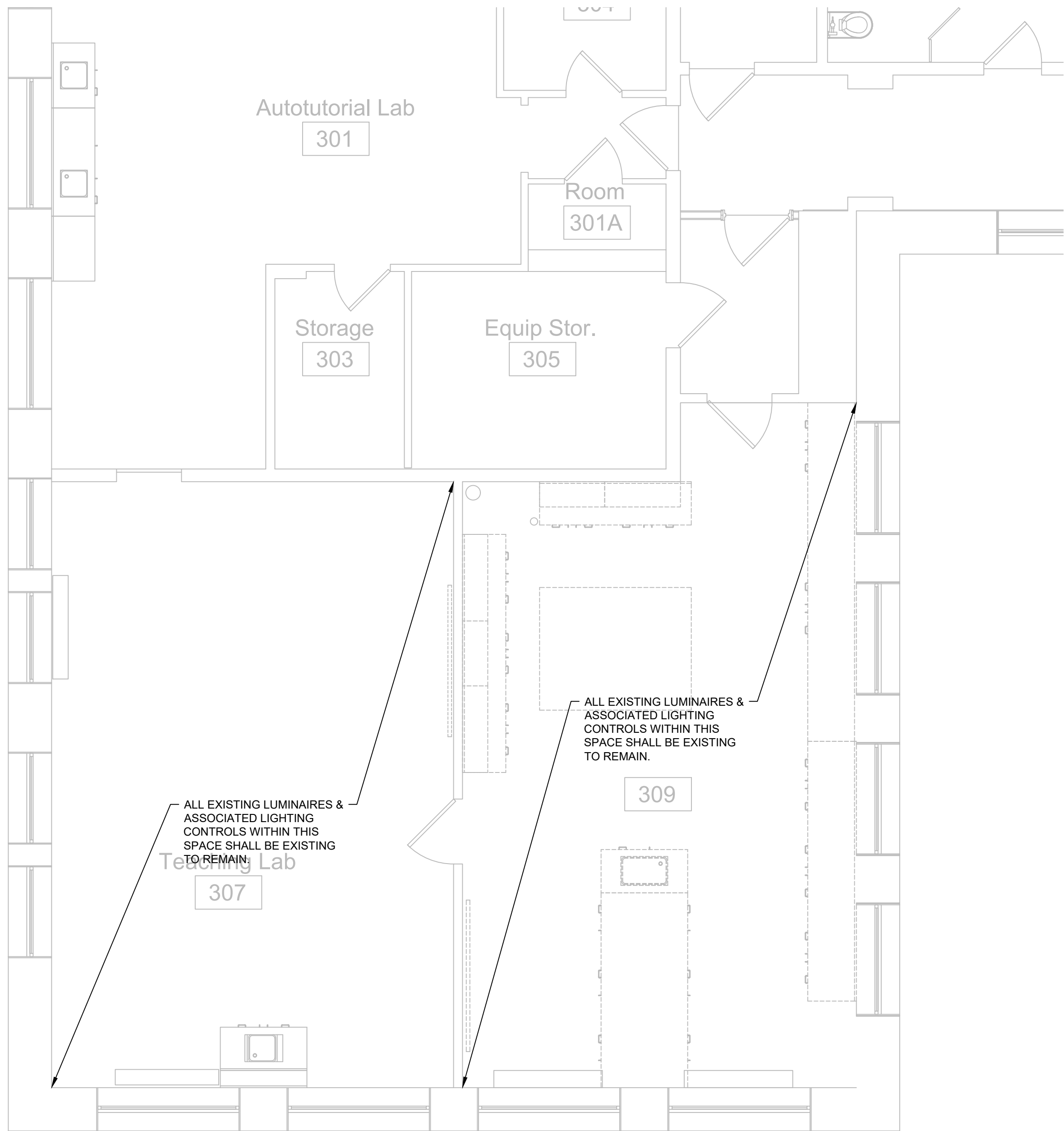
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PARTIAL FIRST
FLOOR ELECTRICAL
PLANS - DEMOLITION

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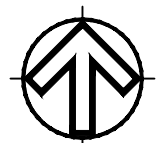
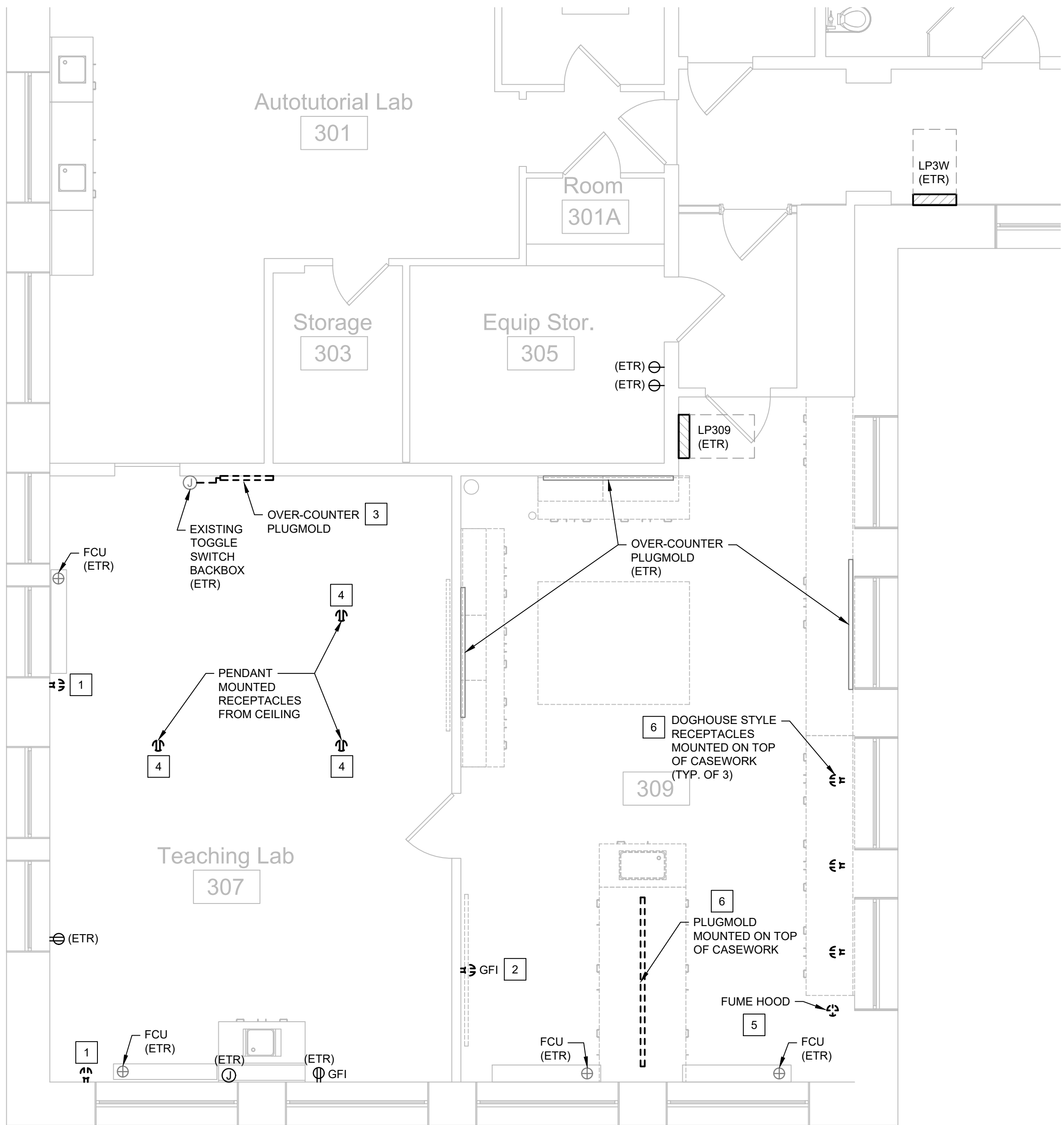
1 PARTIAL THIRD FLOOR LIGHTING PLAN - DEMOLITION
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- G1. UNLESS NOTED OTHERWISE, ALL EXISTING WIRING DEVICES SHOWN ON THIS DRAWING ARE SURFACE MOUNTED. REFER TO DEMO NOTES BELOW FOR REMOVAL REQUIREMENTS.

DEMO NOTES:

1. DE-ENERGIZE EXISTING DUPLEX RECEPTACLE TO ALLOW FOR REMOVAL BY ABATEMENT CONTRACTOR. EXISTING BRANCH CIRCUITING SHALL REMAIN FOR REUSE.
2. DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED GFI TYPE DUPLEX RECEPTACLE (LABELED AS NOT-WORKING) TO ACCOMMODATE REPLACEMENT WITH NEW NORMAL TYPE DUPLEX RECEPTACLE. EXISTING BACKBOX AND BRANCH CIRCUITING SHALL REMAIN FOR REUSE
3. DE-ENERGIZE EXISTING PLUGMOLD TO ALLOW FOR REMOVAL BY ABATEMENT CONTRACTOR. ALL ASSOCIATED SURFACE MOUNTED RACEWAY BACK TO EXISTING TOGGLE SWITCH BACKBOX SHALL ALSO BE REMOVED BY ABATEMENT CONTRACTOR. UPON COMPLETION OF ABATEMENT WORK, ELECTRICAL CONTRACTOR SHALL REMOVE REMAINING PORTIONS OF BRANCH CIRCUITING BACK TO EXISTING TOGGLE SWITCH BACKBOX AND SAVE FOR REUSE.
4. DISCONNECT AND REMOVE EXISTING PENDANT MOUNTED DUPLEX RECEPTACLES. ALL ASSOCIATED SURFACE MOUNTED BACKBOXES, RACEWAY AND BRANCH CIRCUIT CONDUCTORS SHALL REMAIN FOR REUSE.
5. DISCONNECT AND REMOVE EXISTING FLEXIBLE METAL CONDUIT PORTION OF FUME HOOD BRANCH CIRCUITING BACK TO WALL MOUNTED JUNCTION BOX. ALL ASSOCIATED SURFACE MOUNTED BACKBOXES AND RACEWAY SHALL REMAIN. DISCONNECT AND REMOVE BRANCH CIRCUIT CONDUCTORS BACK TO PANEL LP309.
6. DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED DUPLEX RECEPTACLES AND PLUGMOLD MOUNTED TOP OF EXISTING LAB CASEWORK. ALL ASSOCIATED SURFACE MOUNTED BACKBOXES AND RACEWAY SHALL REMAIN. DISCONNECT AND REMOVE BRANCH CIRCUIT CONDUCTORS BACK TO PANEL LP309.



2 PARTIAL THIRD FLOOR POWER PLAN - DEMOLITION
SCALE: 1/4"=1'-0"

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Drawn By: DSU
Checked By: BRW
Project Manager: BRW

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Revisions

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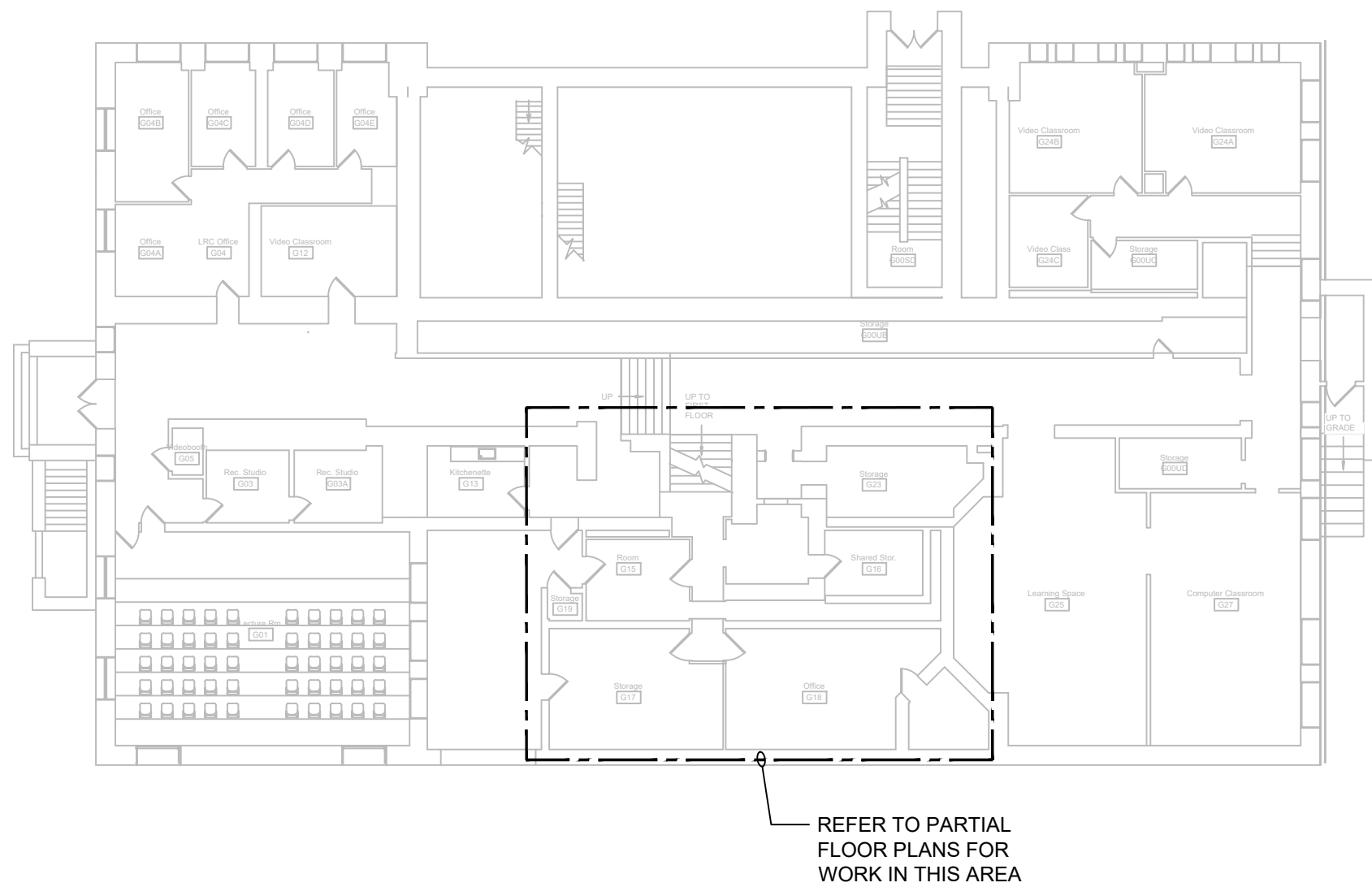
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ED-103

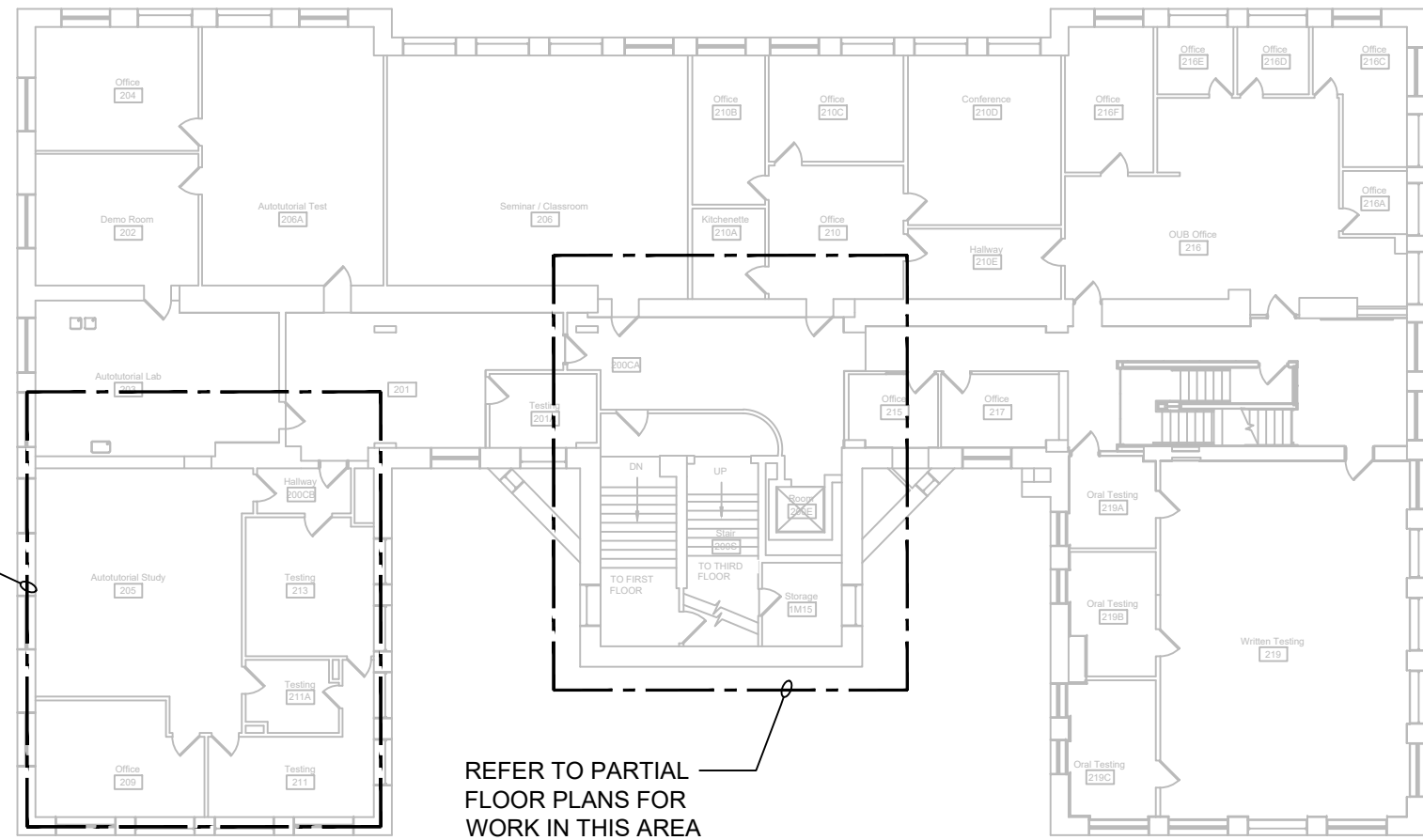
PARTIAL THIRD
FLOOR ELECTRICAL
PLAN - DEMOLITION

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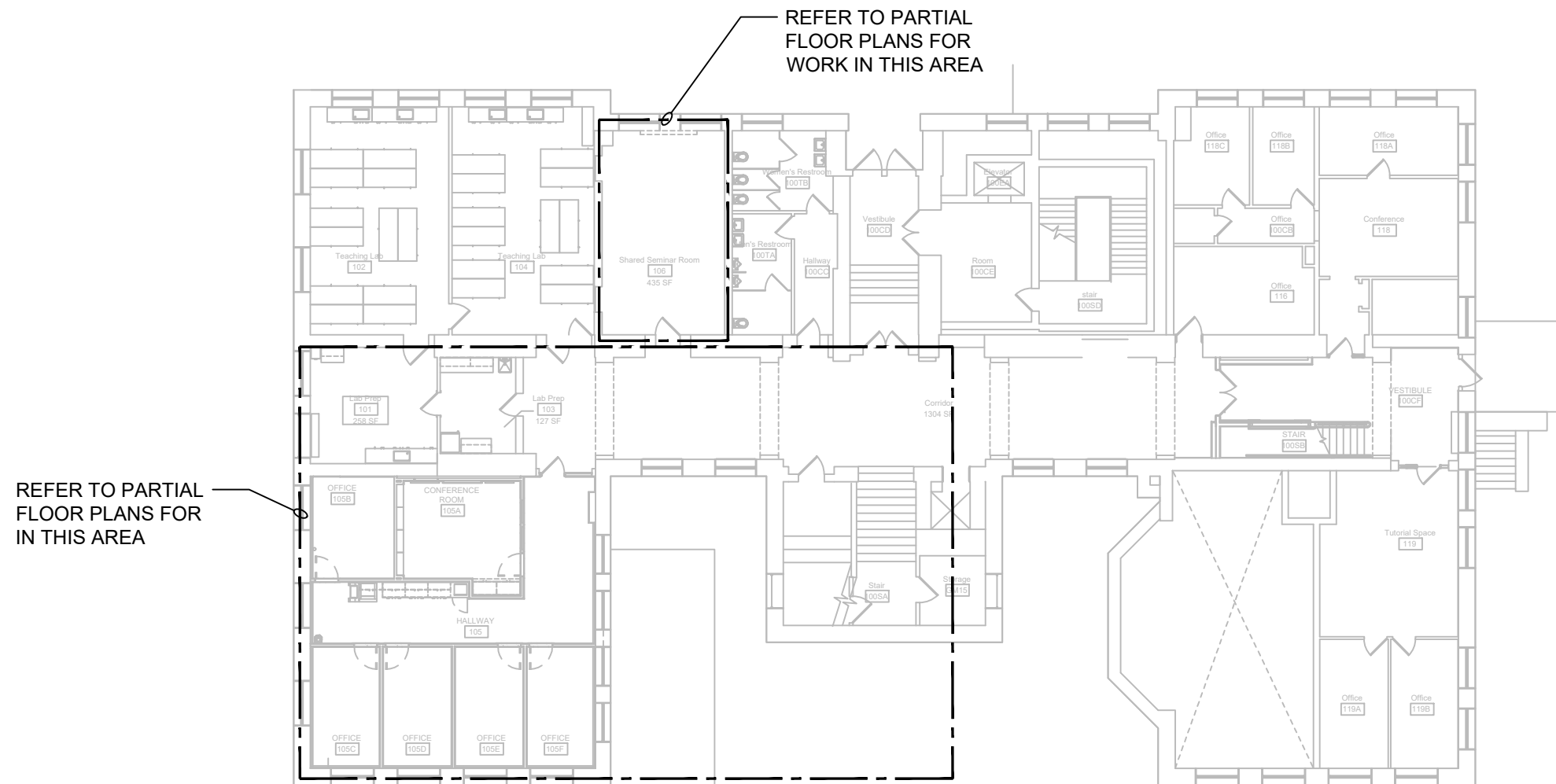
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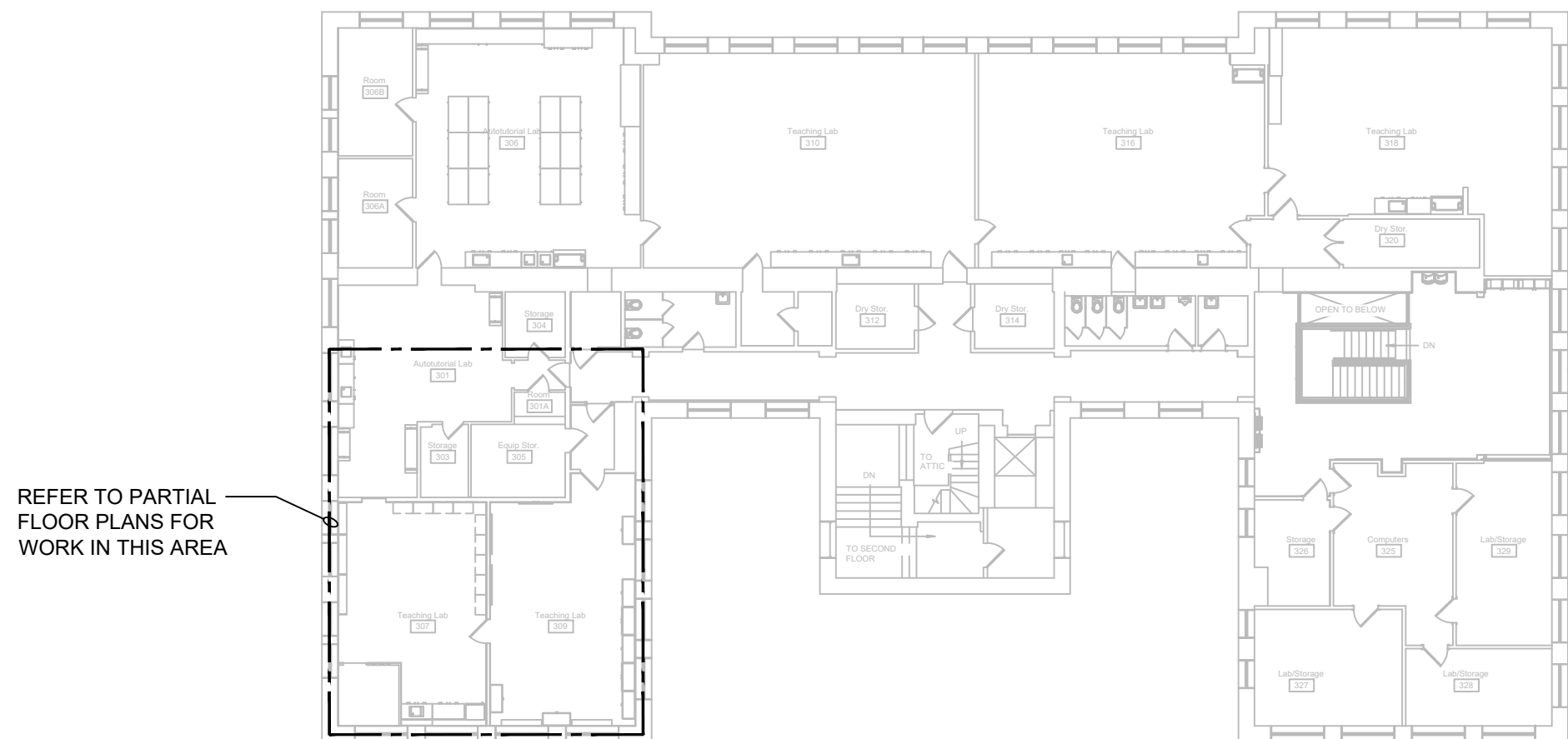
1 GROUND FLOOR KEY PLAN
SCALE: 1"=20'-0"



3 SECOND FLOOR KEY PLAN
SCALE: 1"=20'-0"



2 FIRST FLOOR KEY PLAN
SCALE: 1"=20'-0"



4 THIRD FLOOR KEY PLAN
SCALE: 1"=20'-0"

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E-001

ELECTRICAL
KEYPLANS

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FILE PATH:

GENERAL NOTES:

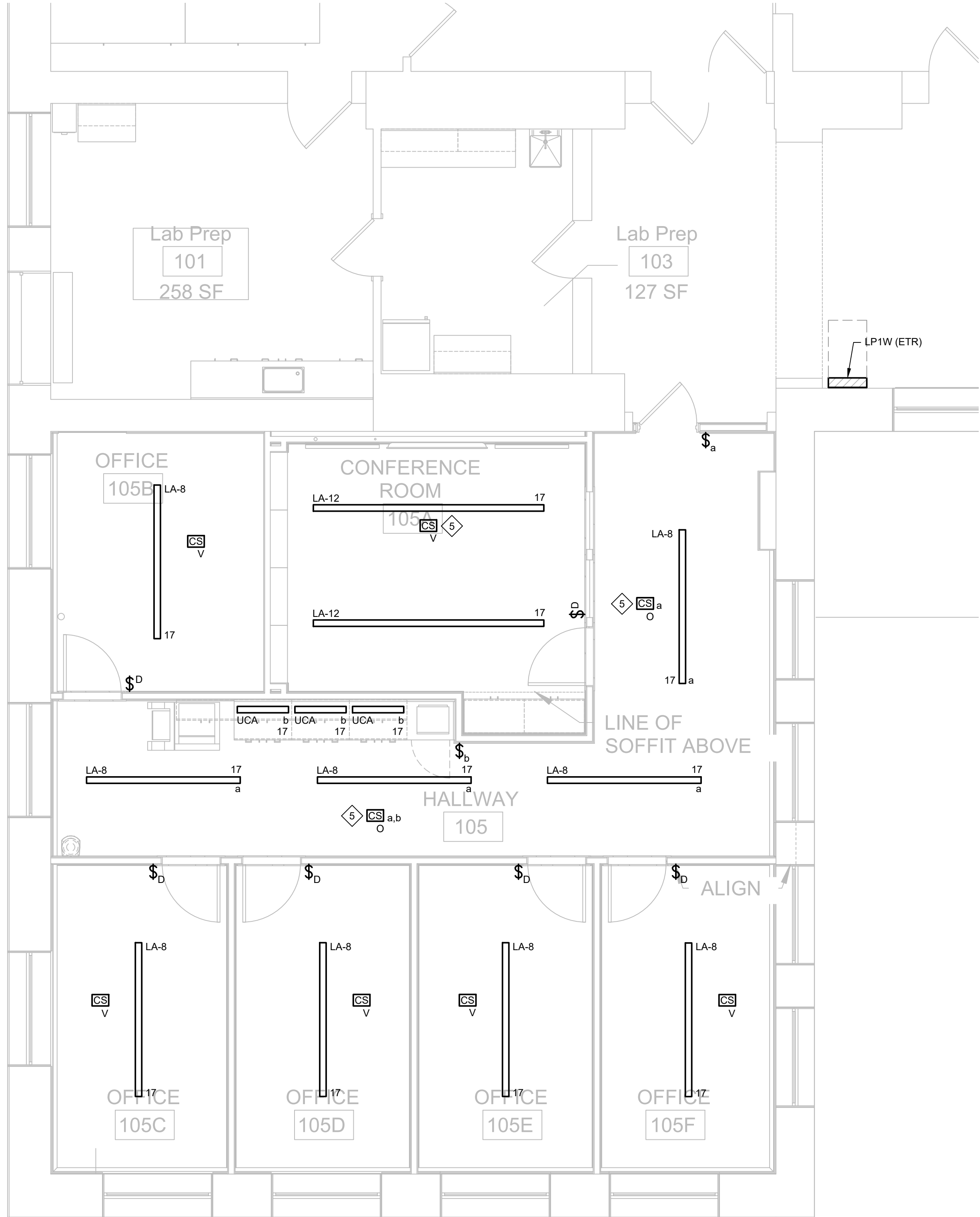
- G1. UTILIZE 700 SERIES WIREMOLD, OR APPROVED EQUAL, WHEN FEEDING SURFACE MOUNTED WIRING DEVICES; USE OF CONDUIT FOR EXPOSED RACEWAY IS NOT PERMITTED. WIREMOLD SHALL BE PAINTED TO MATCH SURROUNDING SURFACE.
- G2. UNLESS NOTED OTHERWISE, ALL DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING SHALL BE FED FROM PANELBOARD 'LP105' AND BRANCH CIRCUITS SHALL CONSIST OF 2#12, 1#12 GND CONDUCTORS IN 3/4" C.

KEYED NOTES:

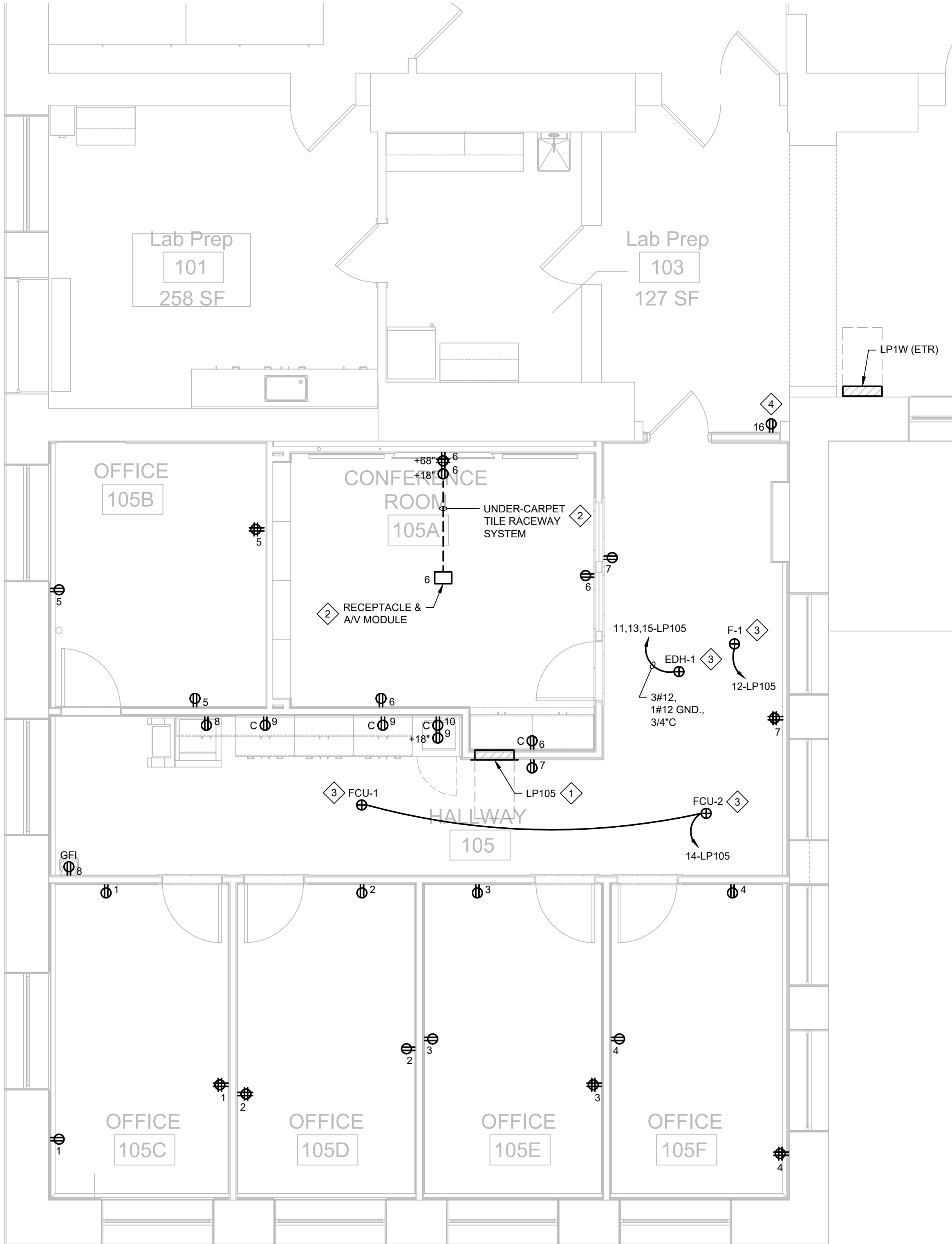
1. PROVIDE NEW FLUSH MOUNTED PANELBOARD AT LOCATION SHOWN. REFER TO DETAIL 1/E-500 FOR ADDITIONAL PANELBOARD INFORMATION AND FEEDER REQUIREMENTS.
2. PROVIDE UNDER-CARPET TILE RACEWAY SYSTEM CONSISTING OF THE FOLLOWING COMPONENTS:
- 6-FOOT MULTI-CHANNEL UNDER-CARPET RACEWAY WITH CENTER PRE-WIRED POWER CHANNEL
 - ONE (1) RECEPTACLE MODULE
 - ONE (1) AVV MODULE SHALL BE USED FOR BOTH DATA AND AVV OUTLETS. AVV CABLING AND ASSOCIATED OUTLETS SHALL BE PROVIDED BY CORNELL. REFER TO DRAWING ET-100 FOR DATA REQUIREMENTS (PROVIDED BY ELECTRICAL CONTRACTOR).
 - ONE (1) IN-WALL ENTRANCE FITTING
- REFER TO SPECIFICATION SECTION 260533.23 FOR ADDITIONAL SYSTEM AND COMPONENT REQUIREMENTS. COORDINATE ALL WORK WITH G.C..
3. EQUIPMENT BEING PROVIDED WITH FACTORY MOUNTED DISCONNECT.

KEYED NOTES (CONT.):

4. PROVIDE NEW RECESSED RECEPTACLE IN EXISTING NON-ACBM GYPSUM WALL. CONCEAL NEW RACEWAY WITHIN EXISTING WALL WHEREVER POSSIBLE. UTILIZE SURFACE MOUNTED 700 SERIES WIREMOLD WHERE RACEWAY CANNOT BE CONCEALED (I.E. BETWEEN SUSPENDED CEILING AND TOP OF EXISTING WALL).
5. PROVIDE AN ADDITIONAL LIGHTING CONTROL SYSTEM POWER PACK WITH EACH SET OF CEILING SENSORS IN HALLWAY 105 & CONFERENCE ROOM 105A TO ALLOW CEILING SENSORS TO NOTIFY THE BUILDING AUTOMATION CONTROL SYSTEM (BACS) WHEN SPACE BECOMES OCCUPIED OR UNOCCUPIED. REFER TO WIRING DIAGRAMS ON DRAWING E-500 FOR ADDITIONAL INFORMATION.



1 PARTIAL FIRST FLOOR LIGHTING PLAN - NEW WORK
SCALE: 1/4"=1'-0"



2 PARTIAL FIRST FLOOR POWER PLAN - NEW WORK
SCALE: 1/4"=1'-0"

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Drawn By: DSU
Checked By: BRW
Project Manager: BRW

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E-101

PARTIAL FIRST
FLOOR PLANS
- NEW WORK

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FILE PATH:

GENERAL NOTES:

- G1. UTILIZE 700 SERIES WIREMOLD, OR APPROVED EQUAL, WHEN FEEDING SURFACE MOUNTED WIRING DEVICES; USE OF CONDUIT FOR EXPOSED RACEWAY IS NOT PERMITTED. WIREMOLD SHALL BE PAINTED TO MATCH SURROUNDING SURFACE.
- G2. UNLESS NOTED OTHERWISE, ALL DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING SHALL BE FED FROM PANELBOARD 'LP309' AND BRANCH CIRCUITS SHALL CONSIST OF 2#12, 1#12 GND CONDUCTORS IN 3/4" C.
- G3. COORDINATE EXACT LOCATIONS OF ALL NEW WALL, FLOOR AND CEILING MOUNTED RACEWAYS, DEVICES AND EQUIPMENT WITH ABATEMENT CONTRACTOR. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLOOR, WALL AND CEILING PENETRATIONS AS WELL AS MECHANICALLY FASTENING AND INSTALLING ALL RACEWAYS, SUPPORTS, BACK BOXES AND EQUIPMENT TO ANY WALLS, FLOORS AND CEILINGS. ALL RACEWAYS, SUPPORTS, BACK BOXES, EQUIPMENT AND REQUIRED HARDWARE SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR AND TURNED OVER TO ABATEMENT CONTRACTOR FOR INSTALLATION.

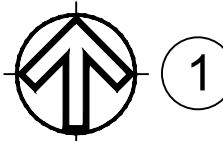
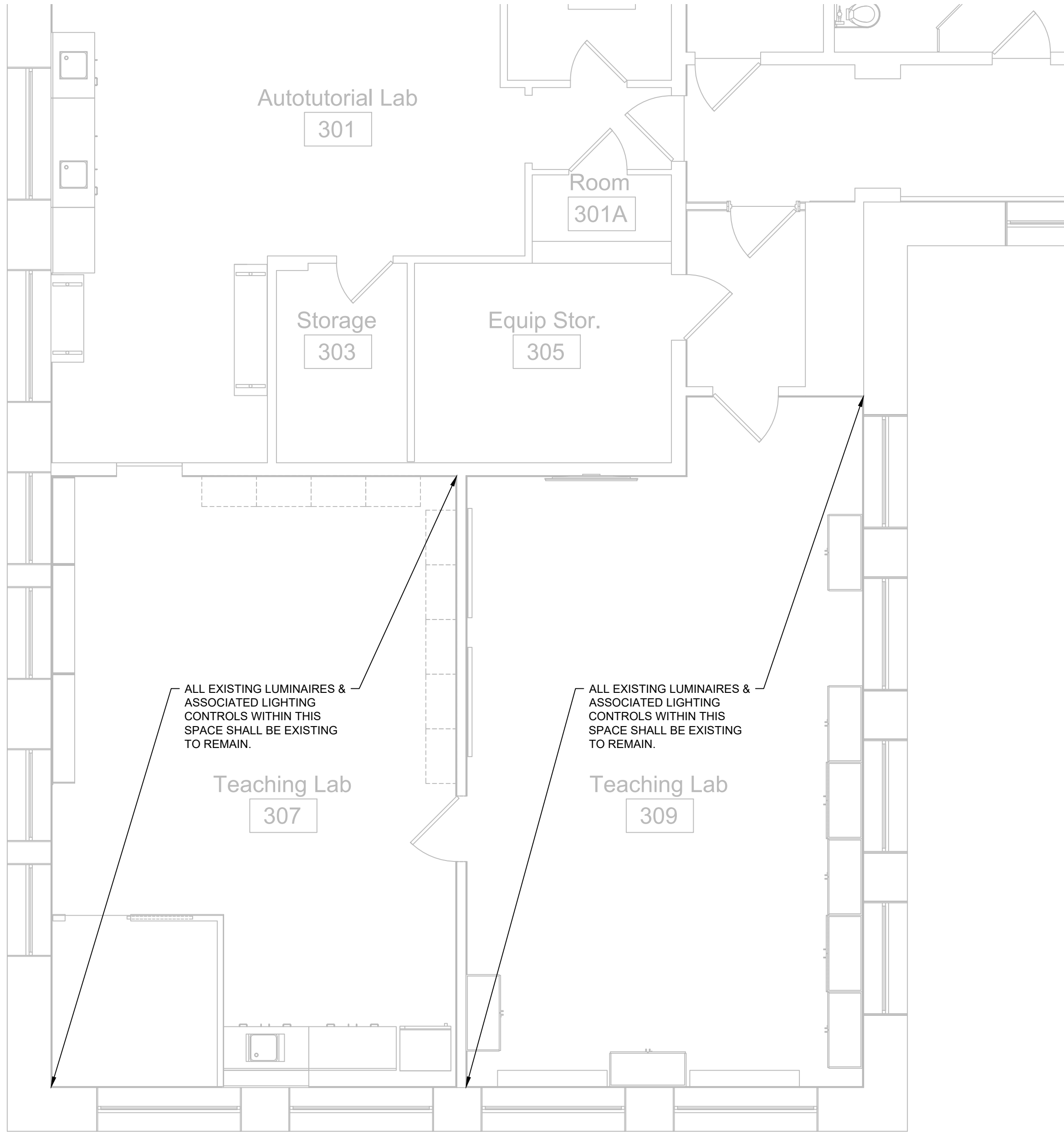
KEYED NOTES:

1. PROVIDE CEILING MOUNTED CORD REEL WITH TWO (2) DUPLEX RECEPTACLES AT LOCATION SHOWN. EXTEND AND RECONNECT EXISTING POWER CIRCUIT (FORMALLY FEEDING REMOVED PENDANT RECEPTACLES) TO NEW CORD REEL.
2. PROVIDE NEW DUPLEX RECEPTACLE IN EXISTING BACKBOX AND RECONNECT EXISTING BRANCH CIRCUITING.
3. PROVIDE NEW SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE AT PREVIOUS SINGLE DUPLEX RECEPTACLE LOCATION. EXTEND AND RECONNECT EXISTING BRANCH CIRCUITING TO NEW RECEPTACLES.
4. PROVIDE NEW SURFACE MOUNTED DUPLEX RECEPTACLE FOR RELOCATED REFRIGERATOR.
5. PROVIDE DUAL-COMPARTMENT RACEWAY ALONG EXISTING WALL FROM OVERFLOOR RACEWAY TO WALL MOUNTED DISPLAY.
6. PROVIDE OVERFLOOR RACEWAY SYSTEM OVER EXISTING FLOOR TILE CONSISTING OF THE FOLLOWING COMPONENTS:
- 10-FOOT MULTI-CHANNEL OVERFLOOR RACEWAY
 - ONE (1) 4-GANG ON-FLOOR DEVICE BOX. BOX SHALL BE USED TO HOUSE DATA, A/V AND POWER OUTLETS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TWO (2) DUPLEX RECEPTACLES AND ANY DATA OUTLETS, AND ASSOCIATED DATA CABLING, CALLED OUT FOR ON DRAWING ET-100, AND INSTALL THEM IN THE DEVICE BOX. CORNELL SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL REQUIRED A/V CABLING AND ASSOCIATED OUTLETS.
 - ONE (1) SURFACE MOUNTED RACEWAY TRANSITION FITTING

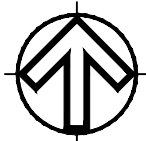
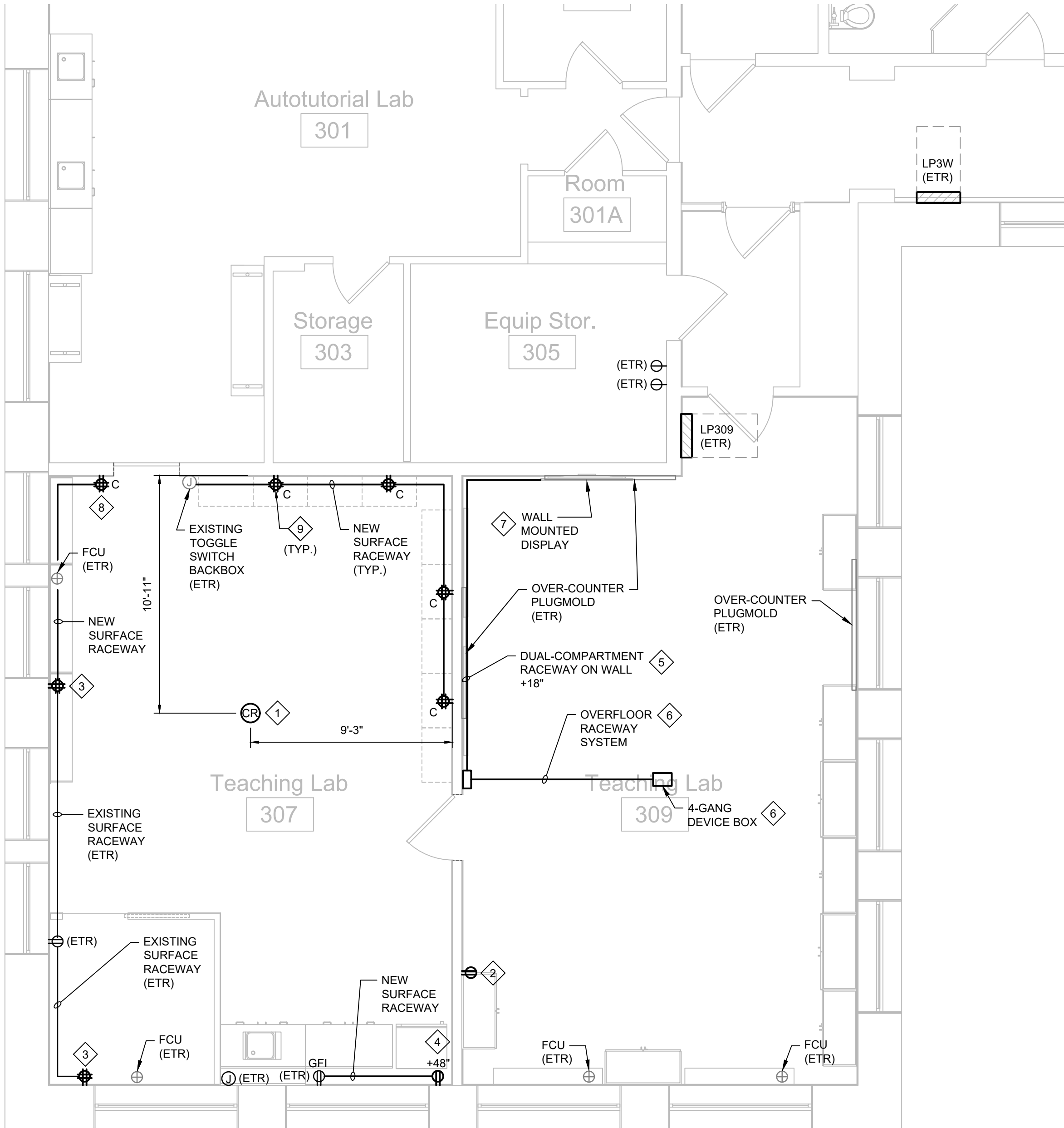
REFER TO SPECIFICATION SECTION 260533.23 FOR ADDITIONAL SYSTEM AND COMPONENT REQUIREMENTS. COORDINATE ALL WORK WITH G.C. DEVICE BOX RECEPTACLES SHALL BE FED FROM EXISTING CIRCUIT FEEDING PLUGMOLD ROUTED ABOVE NEW DUAL-COMPARTMENT RACEWAY ON WEST WALL.

KEYED NOTES (CONT.):

7. NEW WALL MOUNTED DISPLAY SHALL PLUG INTO EXISTING PLUGMOLD BELOW MONITOR.
8. PROVIDE DOUBLE DUPLEX RECEPTACLE AT LOCATION SHOWN. EXTEND EXISTING POWER CIRCUIT FROM NEARBY RECEPTACLE TO NEW RECEPTACLE.
9. PROVIDE DOUBLE DUPLEX RECEPTACLES ALONG NORTH AND EAST WALLS OF ROOM 309 AT LOCATIONS SHOWN. EXTEND EXISTING POWER CIRCUIT, PREVIOUSLY FEEDING REMOVED PLUGMOLD, TO NEW RECEPTACLES.



1 PARTIAL THIRD FLOOR LIGHTING PLAN - NEW WORK
SCALE: 1/4"=1'-0"



2 PARTIAL THIRD FLOOR POWER PLAN - NEW WORK
SCALE: 1/4"=1'-0"

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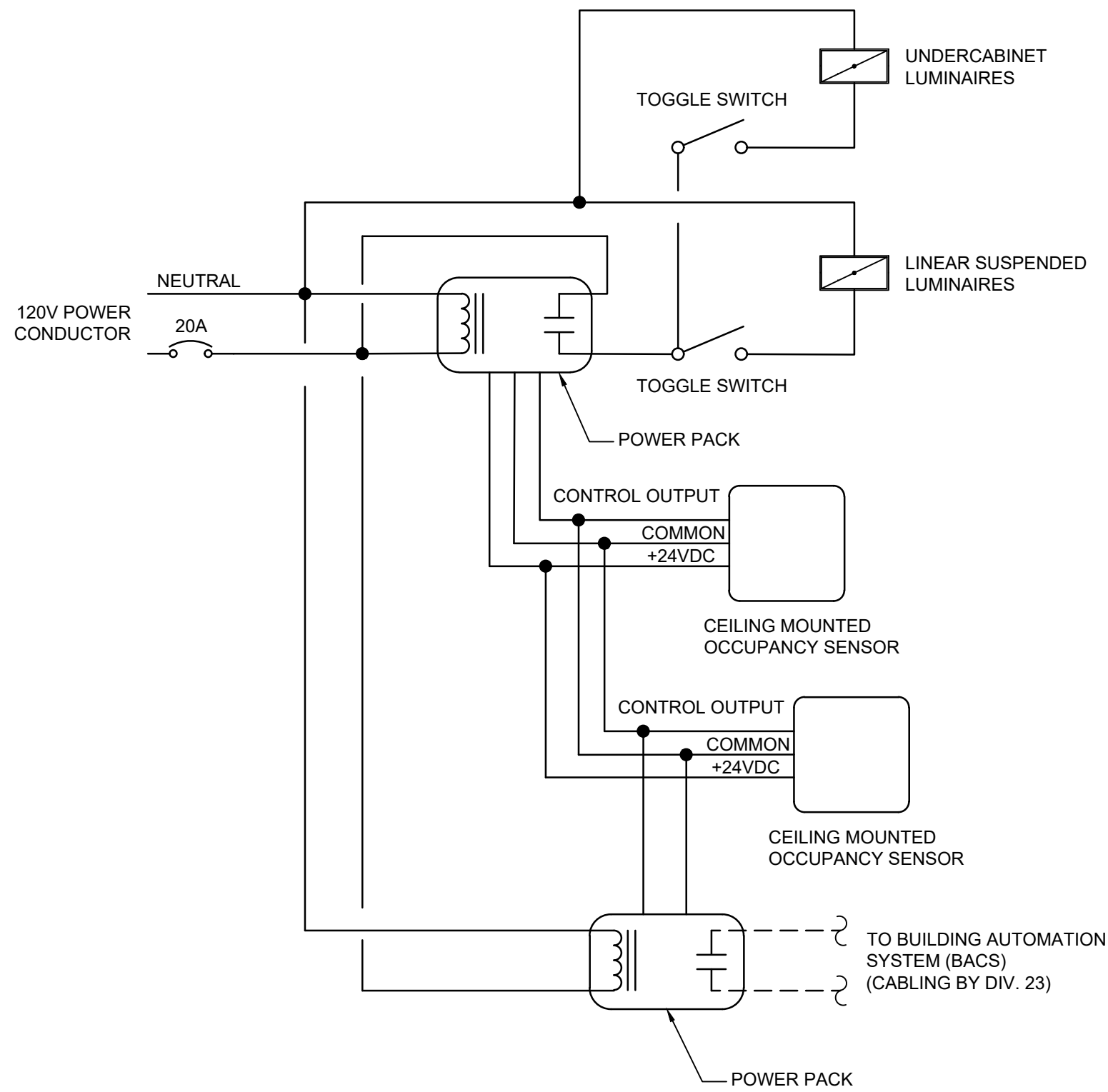
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E-103

PARTIAL THIRD
FLOOR ELECTRICAL
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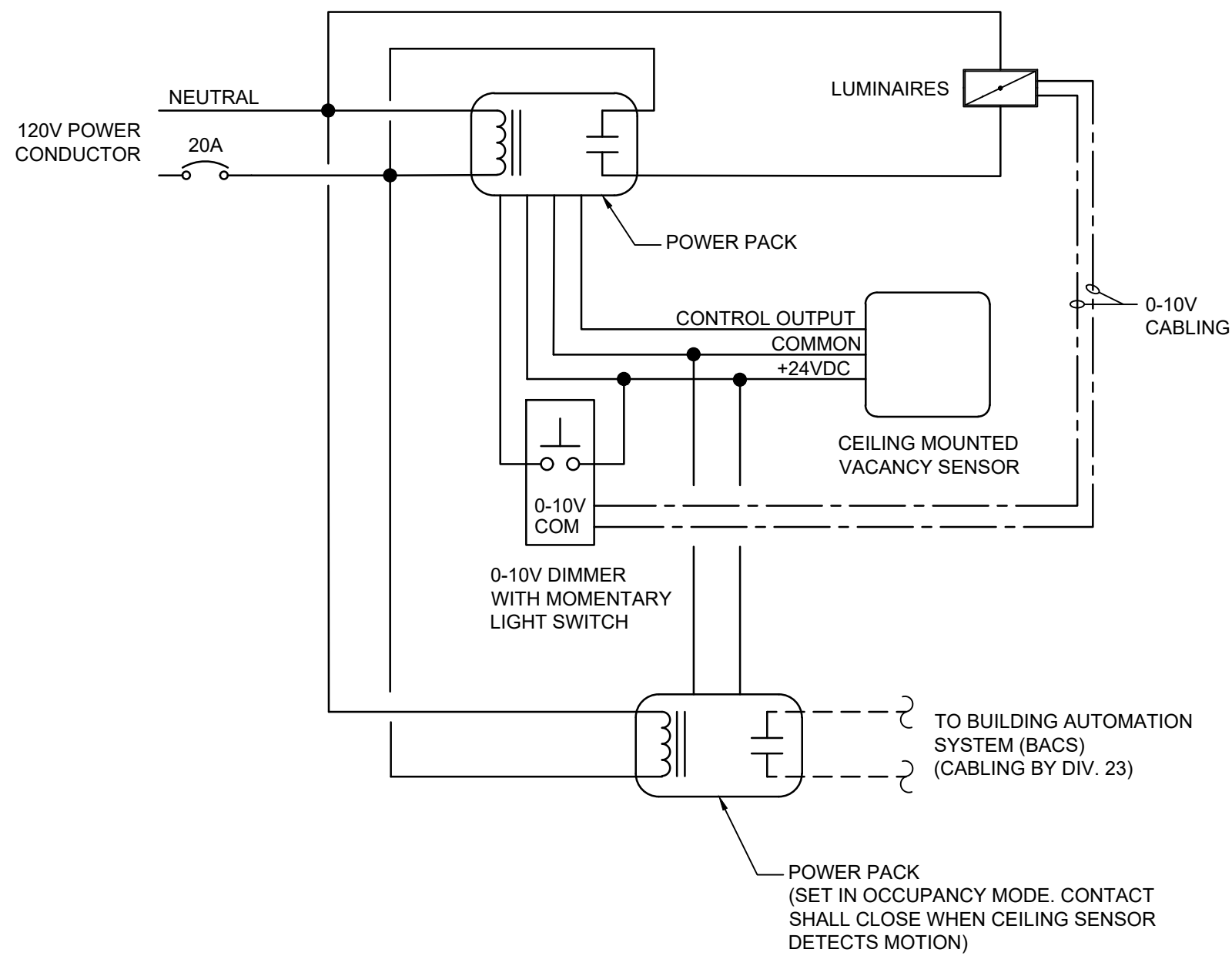
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LIGHTING CONTROL OPERATION:

- A. UPON ENTERING THE SPACE THE CEILING SENSORS SHALL AUTOMATICALLY TURN ON THE LUMINAIRES. ONCE THE OCCUPANT HAS LEFT THE SPACE THE CEILING SENSOR SHALL TURN OFF THE LUMINAIRES AFTER 20 MINUTES OF INACTIVITY.

2 HALLWAY 105 LIGHTING CONTROL DETAIL
SCALE: N.T.S.



LIGHTING CONTROL OPERATION:

- A. UPON ENTERING THE SPACE THE OCCUPANT SHALL BE REQUIRED TO MANUALLY TURN ON THE LUMINAIRES VIA THE DIMMER SWITCH; THE CEILING SENSOR SHALL NOT AUTOMATICALLY TURN ON THE LUMINAIRES. LUMINAIRES SHALL RETURN TO LAST DIMMING LEVEL WHEN INITIALLY TURNED ON AND THEN CAN BE MANUALLY RAISED OR LOWERED TO THE DESIRED LEVEL BY THE OCCUPANT. ONCE THE OCCUPANT HAS LEFT THE SPACE THE CEILING SENSOR SHALL TURN OFF THE LUMINAIRES AFTER 20 MINUTES OF INACTIVITY.

3 CONFERENCE ROOM 105A LIGHTING CONTROL DETAIL
SCALE: N.T.S.

LUMINAIRE SCHEDULE															
TYPE	DESCRIPTION	DESIGN MAKE	HOUSING	LENS	FIXTURE COLOR	MOUNTING	LAMP TYPE	LUMEN OUPUT	COLOR TEMP.	CRI	FIXTURE WATTAGE	EFFICIENCY	DIMMING TYPE	VOLTAGE	NOTES
LA-#	DIRECT/INDIRECT LED LINEAR LUMINAIRE WITH FLAT ENDCAP #: INDICATES LENGTH OF CONTINUOUS RUN OF LUMINAIRES	FINELITE SERIES 12 #S12LEDID-DCO-#2E-H-835-OPEN-120V-SC-FA-FE-C1	20-GAUGE DIE-FORMED STEEL	DIFFUSE CENTER OPTIC 75% UP, 26% DOWN	WHITE	SUSPENDED (AIRCRAFT CABLE)	LED	930 PER FOOT	3500K	>80	7.2 PER FOOT	128	0-10V	120	1
UCA	36" LOW PROFILE UNDERCABINET LED LUMINAIRE	HALO #HU11	EXTRUDED ALUMINUM	FROSTED	WHITE	SURFACE (UNDERCABINET)	LED	1,125	3000K	>80	15.5	73	--	120	
NOTES:															
1. LUMINAIRE SHALL BE MOUNTED 1-FOOT BELOW CEILING.															
2.															
3.															

PANELBOARD LP105

LOCATION: HALLWAY 105

VOLTAGE (L-L) 208

VOLTAGE (L-N) 120

MOUNTING: RECESSED

FED FROM: LP1W

FED THRU TYPE NO

PH	W
3	4

MAIN BUS AMP: 60

MAIN TYPE: MLO

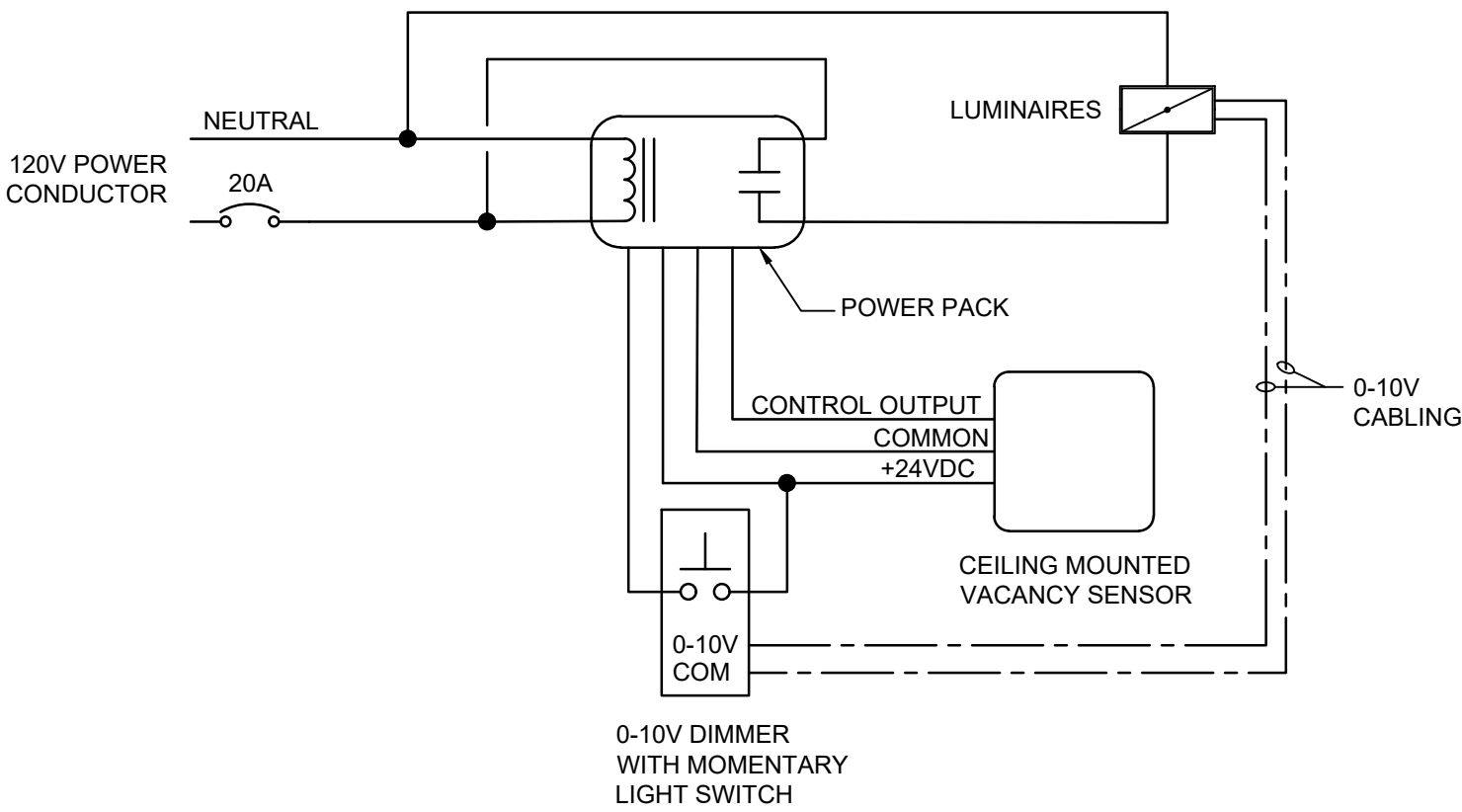
MAIN CIRCUIT BREAKER: --

FEEDER SIZE: REFER TO PARTIAL ONE-LINE DIAGRAM

SHORT CIRCUIT RATING: 10,000 AIC

NOTES:

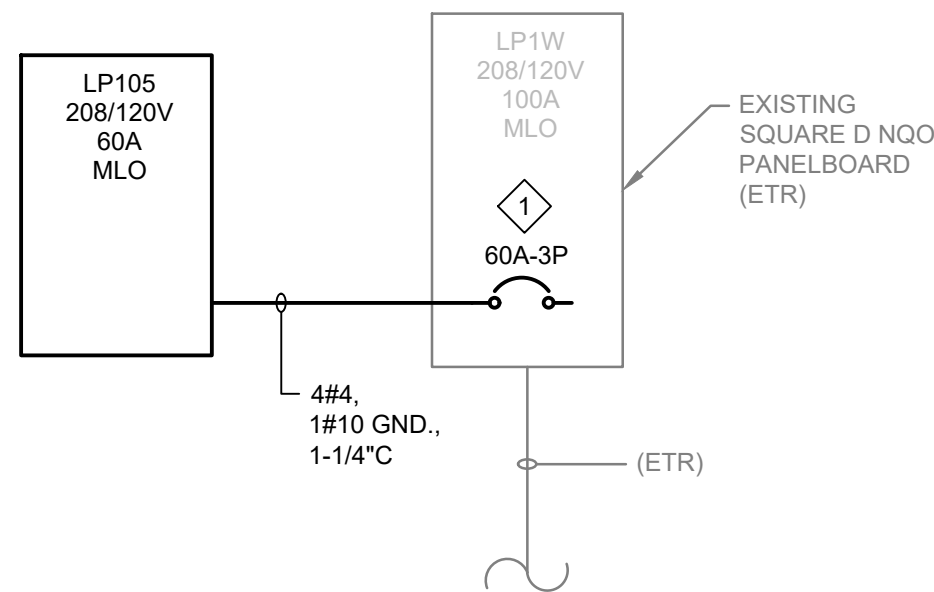
DESCRIPTION	TRIP AMPS	POLES	CKT	PHASE A (AMPS)		PHASE B (AMPS)		PHASE C (AMPS)		CKT	POLES	TRIP AMPS	DESCRIPTION
REC.- OFFICE 105C	20	1	1	6.0	6.0					2	1	20	REC.- OFFICE 105D
REC.- OFFICE 105E	20	1	3			6.0	6.0			4	1	20	REC.- OFFICE 105F
REC.- OFFICE 105B	20	1	5					6.0	12.0	6	1	20	REC.-CONFERENCE ROOM 105A
REC.-HALLWAY 105	20	1	7	6.0	11.0					8	1	20	REC.-COPIER/WATER COOLER
COUNTER/FRIDGE REC.-HALLWAY 105	20	1	9			4.0	9.2			10	1	20	MICROWAVE REC.- HALLWAY 105
	20	3	11					15.3	1.0	12	1	20	F-1
EDH-1	--	--	13	15.3	7.5					14	1	20	FCU-1, FCU-2
	--	--	15			15.3	1.5			16	1	20	REC.- CORRIDOR
SPARE	20	1	17					0.0	0.0	18	1	20	SPARE
SPARE	20	1	19	0.0	0.0					20	1	20	SPARE
SPARE	20	1	21			0.0	0.0			22	1	20	SPARE
SPARE	20	1	23					0.0	0.0	24	1	20	SPARE
SPARE	20	1	25	0.0	0.0					26	1	20	SPARE
SPARE	20	1	27			0.0	0.0			28	1	20	SPARE
SPARE	20	1	29					0.0	0.0	30	1	20	SPARE
TOTAL LOAD PER PHASE (AMPS)				51.8		42.0		34.3					
TOTAL 3-PHASE LOAD (KVA)						15.4							
TOTAL 3-PHASE LOAD (AMPS)						42.7							
DEMAND FACTOR						87%							
DEMAND 3-PHASE LOAD (AMPS)						37.3							



LIGHTING CONTROL OPERATION:

- A. UPON ENTERING THE SPACE THE OCCUPANT SHALL BE REQUIRED TO MANUALLY TURN ON THE LUMINAIRES VIA THE DIMMER SWITCH; THE CEILING SENSOR SHALL NOT AUTOMATICALLY TURN ON THE LUMINAIRES. LUMINAIRES SHALL RETURN TO LAST DIMMING LEVEL WHEN INITIALLY TURNED ON AND THEN CAN BE MANUALLY RAISED OR LOWERED TO THE DESIRED LEVEL BY THE OCCUPANT. ONCE THE OCCUPANT HAS LEFT THE SPACE THE CEILING SENSOR SHALL TURN OFF THE LUMINAIRES AFTER 20 MINUTES OF INACTIVITY.

4 TYPICAL OFFICE LIGHTING CONTROL DETAIL
SCALE: N.T.S.

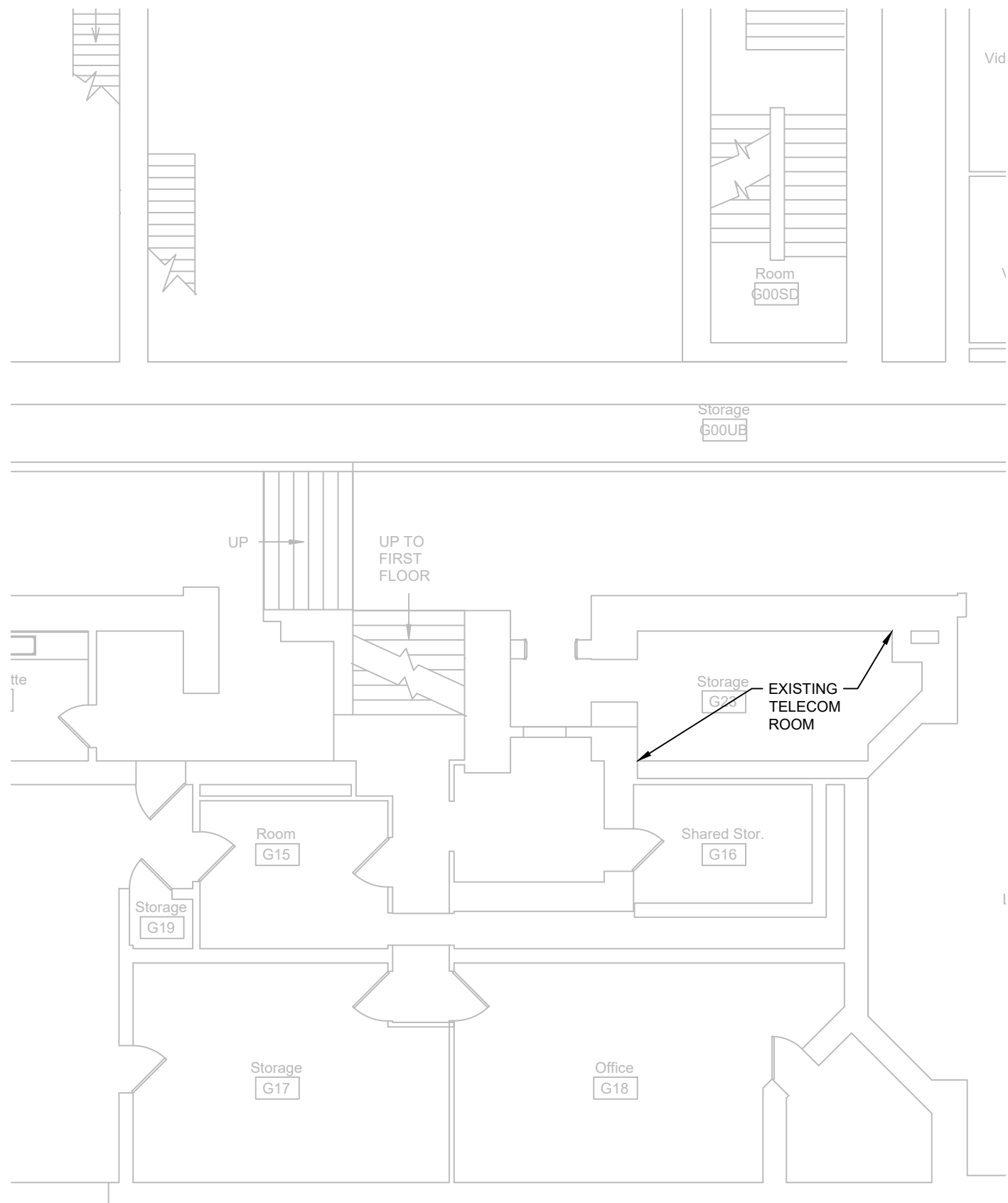


KEYED NOTES:

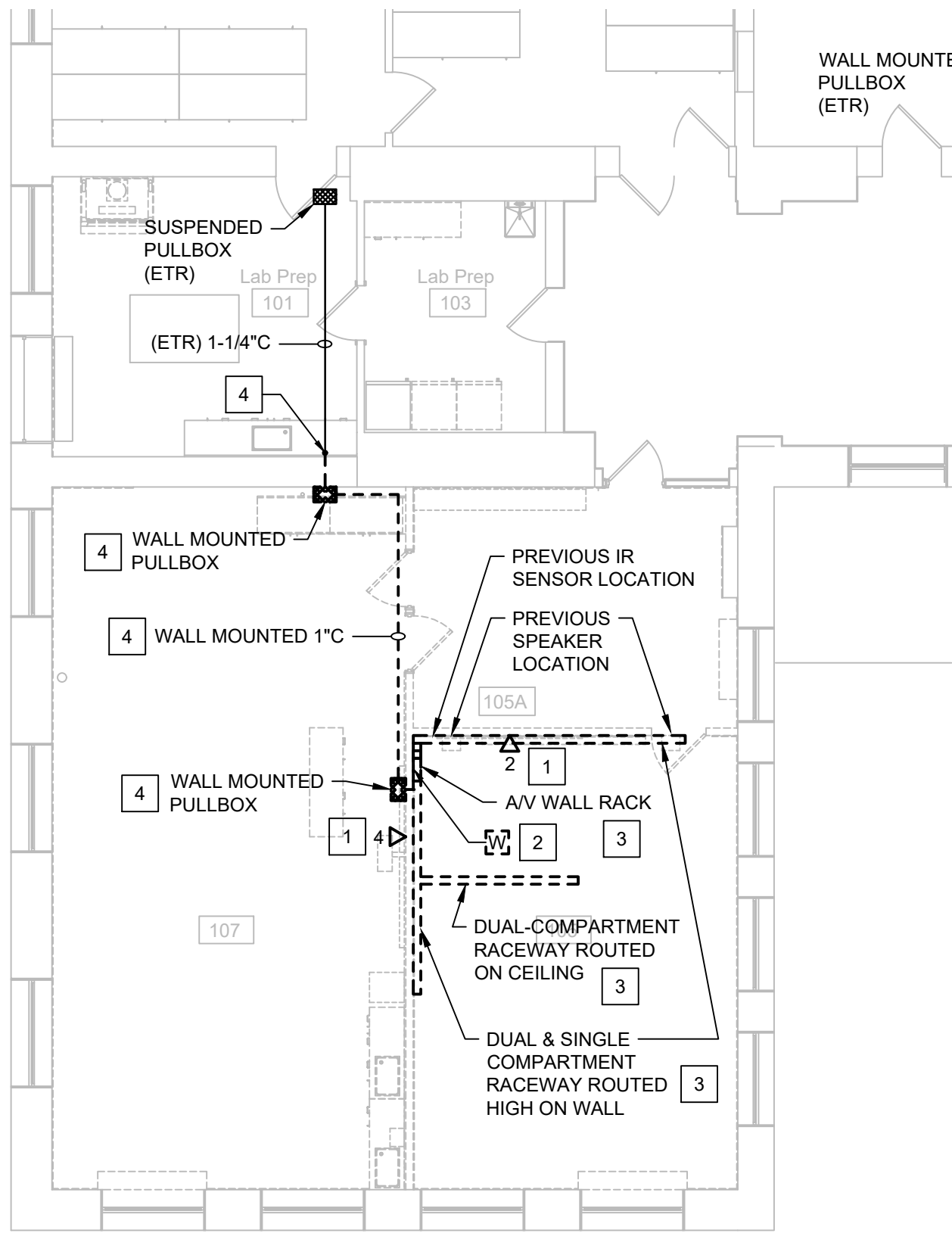
1. PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING PANELBOARD CONSTRUCTION AND KAIC RATING. REMOVE THREE (3) EXISTING 20A-1P SPARE CIRCUIT BREAKERS (CIRCUITS #14,16 & 18) TO ACCOMMODATE NEW BREAKER.

1 PARTIAL ONE-LINE DIAGRAM
SCALE: N.T.S.

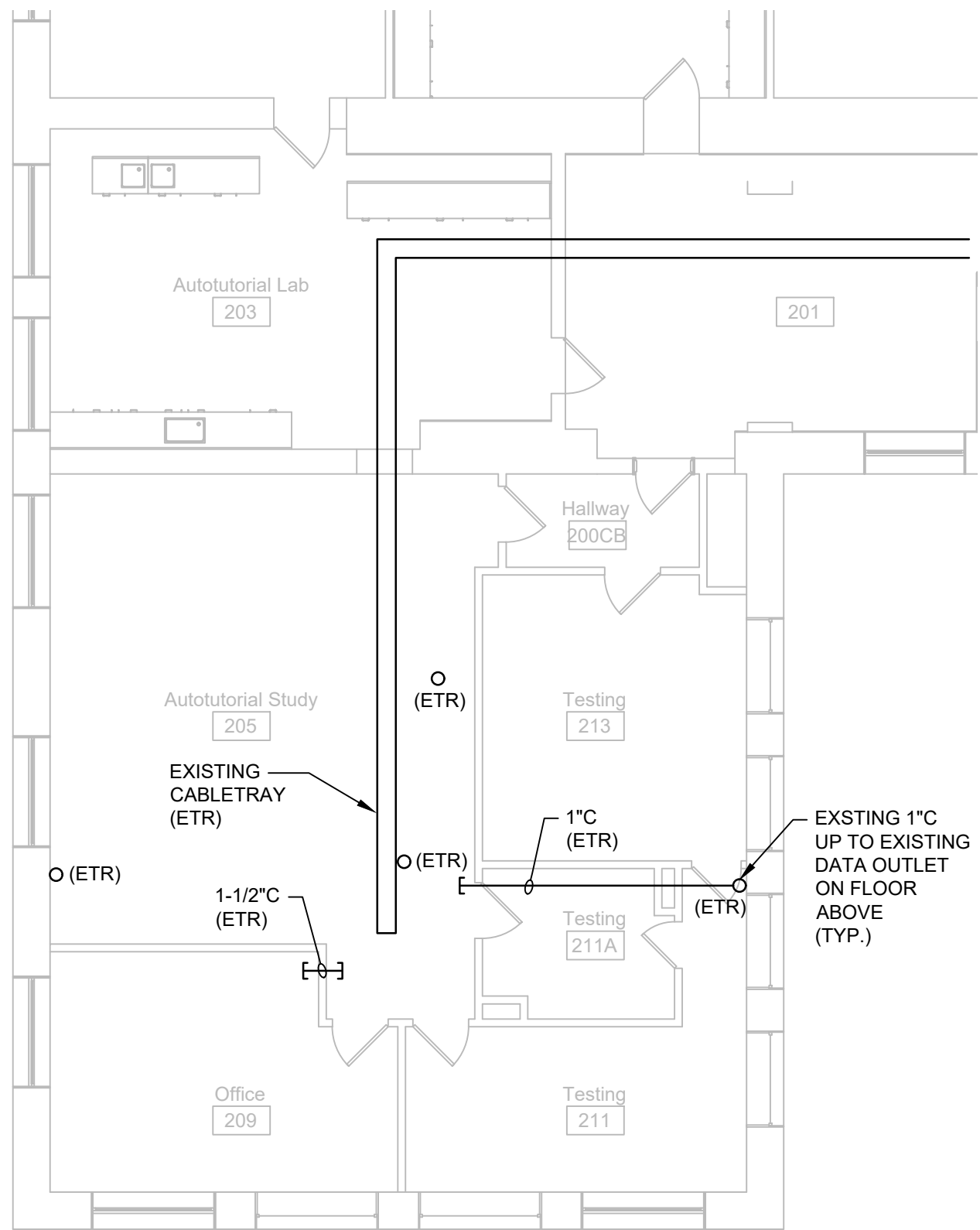
Revisions



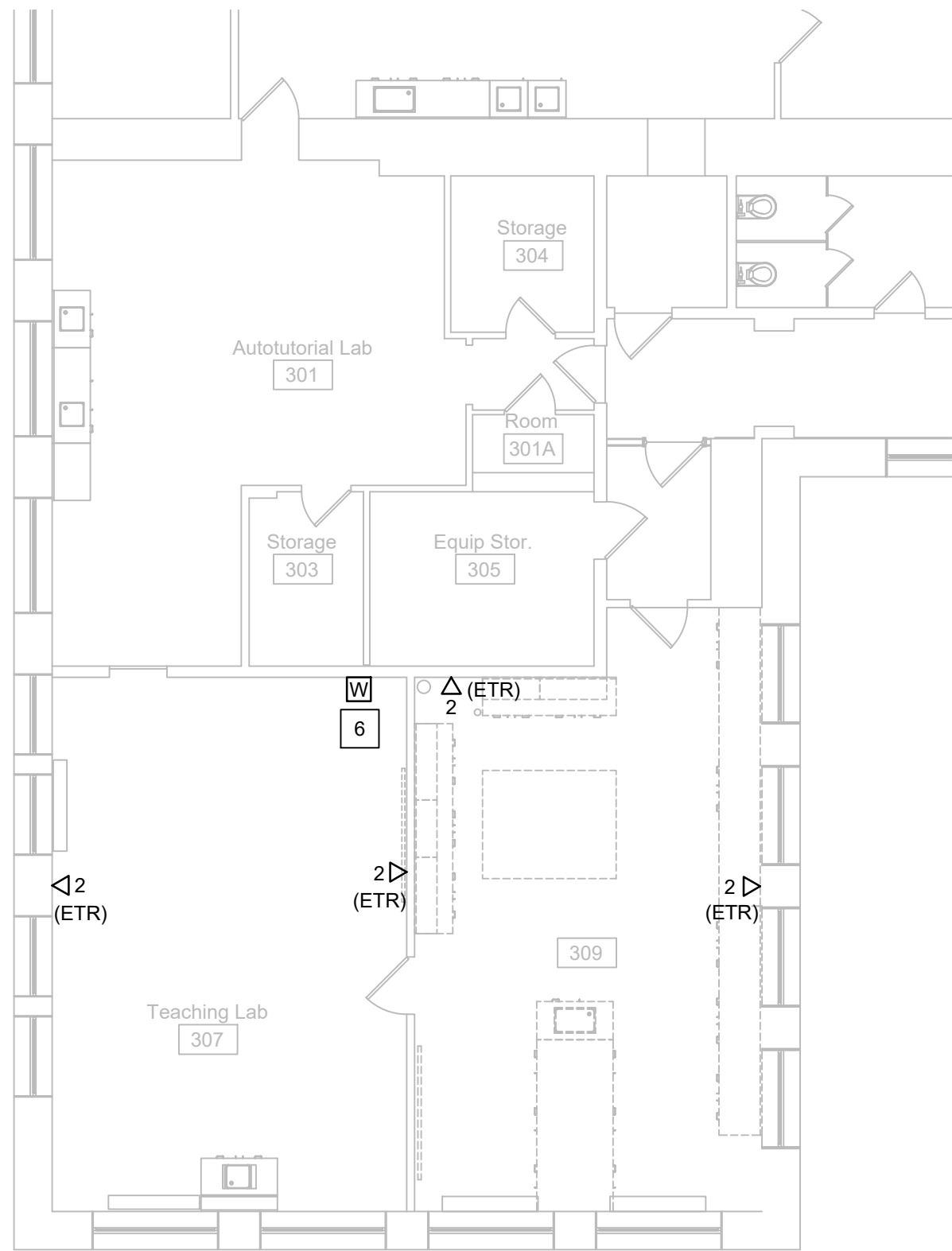
1 PARTIAL GROUND FLOOR TELECOM PLAN - DEMOLITION
SCALE: 1/8"=1'-0"



2 PARTIAL FIRST FLOOR TELECOM PLAN - DEMOLITION
SCALE: 1/8"=1'-0"



3 PARTIAL SECOND FLOOR TELECOM PLAN - DEMOLITION
SCALE: 1/8"=1'-0"



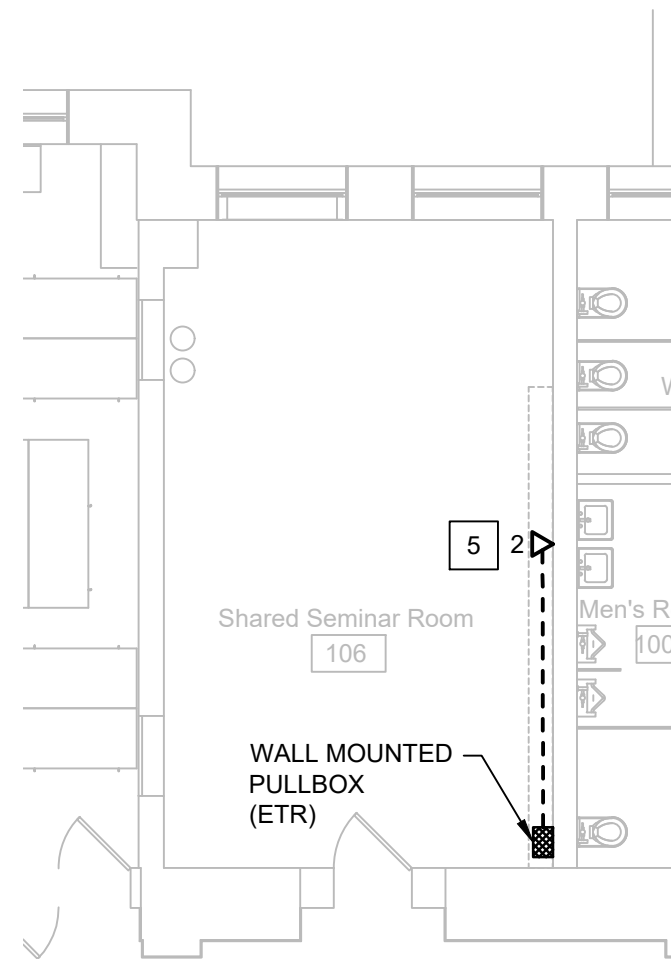
4 PARTIAL THIRD FLOOR TELECOM PLAN - DEMOLITION
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- G1. ALL DATA WORK SHALL BE COORDINATED WITH CORNELL CIT.
- G2. PRIOR TO DEMOLITION OF ANY TELECOMMUNICATION SYSTEM DEVICES, CONTACT CORNELL CIT OPERATIONS SUPPORT AT 607-255-5500 TO DISCONNECT ACTIVE SERVICES AND REMOVE HARDWARE (I.E. WIRELESS ACCESS POINTS, SWITCHES, AV RACKS ETC.) FROM THE RENOVATED AREA.
- G3. CONTRACTOR SHALL PROVIDE CABLE SCHEDULE OF FACEPLATES REMOVED AND/OR REUSED TO CORNELL CIT.

DEMO NOTES:

1. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DATA OUTLET JACKS & COVERPLATE AND REMOVE DATA CABLING BACK TO SOURCE. ABATEMENT CONTRACTOR SHALL REMOVE ASSOCIATED BACKBOX AND WALL MOUNTED SURFACE RACEWAY BACK TO NEAREST LOCATION THAT WILL BE ABOVE NEW SUSPENDED CEILING.
2. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WALL MOUNTED WIRELESS ACCESS POINT DATA CABLING BACK TO SOURCE. ABATEMENT CONTRACTOR SHALL REMOVE ASSOCIATED BACKBOX AND WALL MOUNTED SURFACE RACEWAY BACK TO NEAREST LOCATION THAT WILL BE ABOVE NEW SUSPENDED CEILING. COORDINATE REMOVAL OF WIRELESS ACCESS POINT WITH CORNELL CIT PRIOR TO DEMOLITION.
3. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL REMAINING DATA AND AV CABLING IN SINGLE & DUAL-COMPARTMENT RACEWAY BACK TO AV RACK. ABATEMENT CONTRACTOR SHALL REMOVE ALL DUAL-COMPARTMENT RACEWAY AND THE ASSOCIATED AV RACK IN THEIR ENTIRETY. COORDINATE REMOVAL OF AV RACK AND ASSOCIATED NETWORK SWITCH (LOCATED IN AV RACK) WITH CORNELL CIT PRIOR TO DEMOLITION.
4. ABATEMENT CONTRACTOR SHALL REMOVE EXISTING WALL MOUNTED CONDUIT (USED AS A DATA CABLING PATHWAY) AND ASSOCIATED PULLBOXES BACK TO LOCATION INDICATED IN ROOM 101. REMAINDER OF CONDUIT IN ROOM 101 SHALL REMAIN AND BE CAPPED.
5. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DATA OUTLET JACKS & COVERPLATE AND REMOVE DATA CABLING BACK TO SOURCE. ABATEMENT CONTRACTOR SHALL REMOVE ASSOCIATED BACKBOX AND WALL MOUNTED SURFACE RACEWAY BACK TO PULLBOX INDICATED.
6. COORDINATE REMOVAL OF EXISTING WIRELESS ACCESS POINT WITH CORNELL CIT PRIOR TO THE START OF WORK. EXISTING DATA OUTLET SHALL REMAIN FOR REUSE.



5 PARTIAL FIRST FLOOR TELECOM PLAN - DEMOLITION
SCALE: 1/8"=1'-0"

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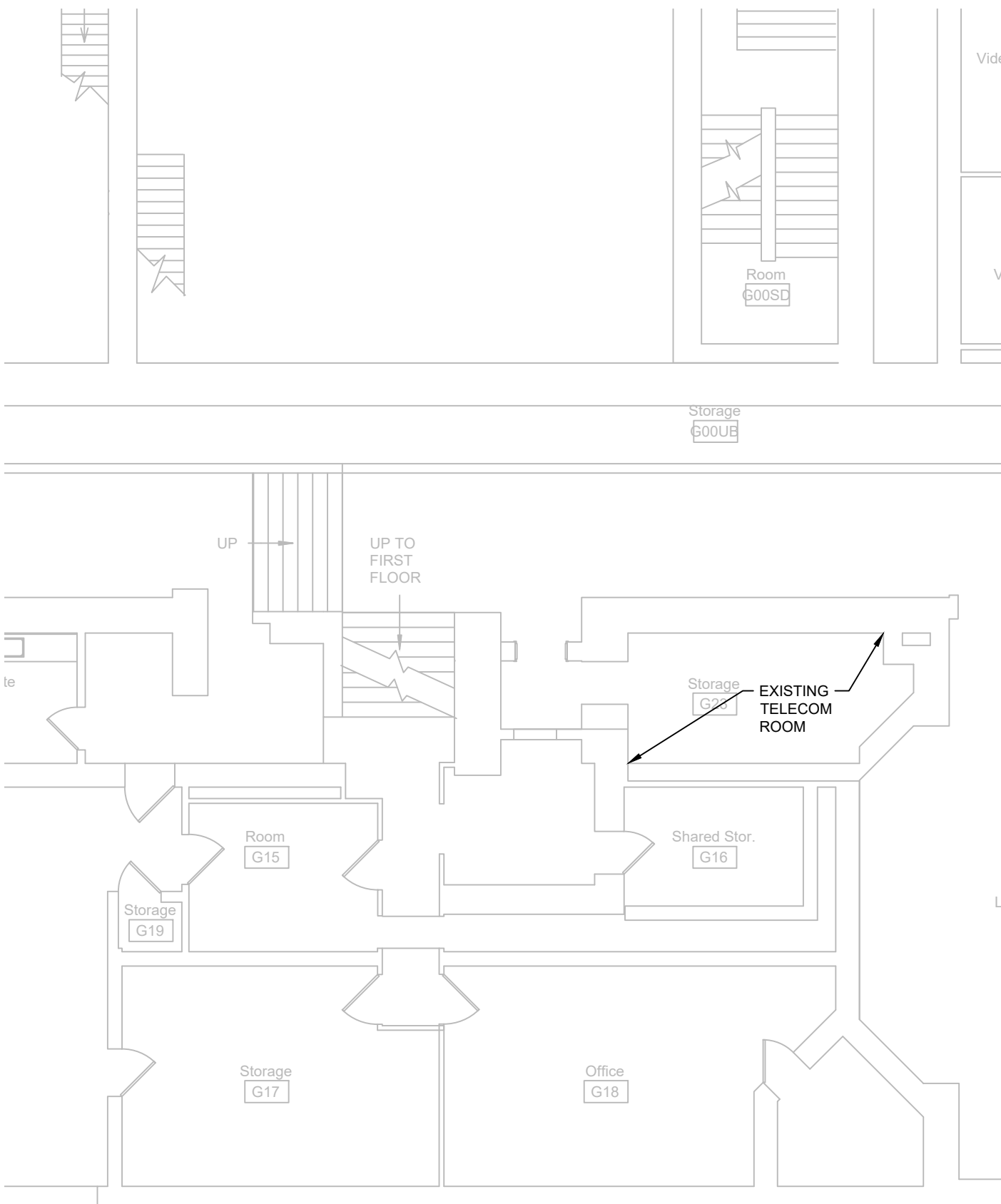
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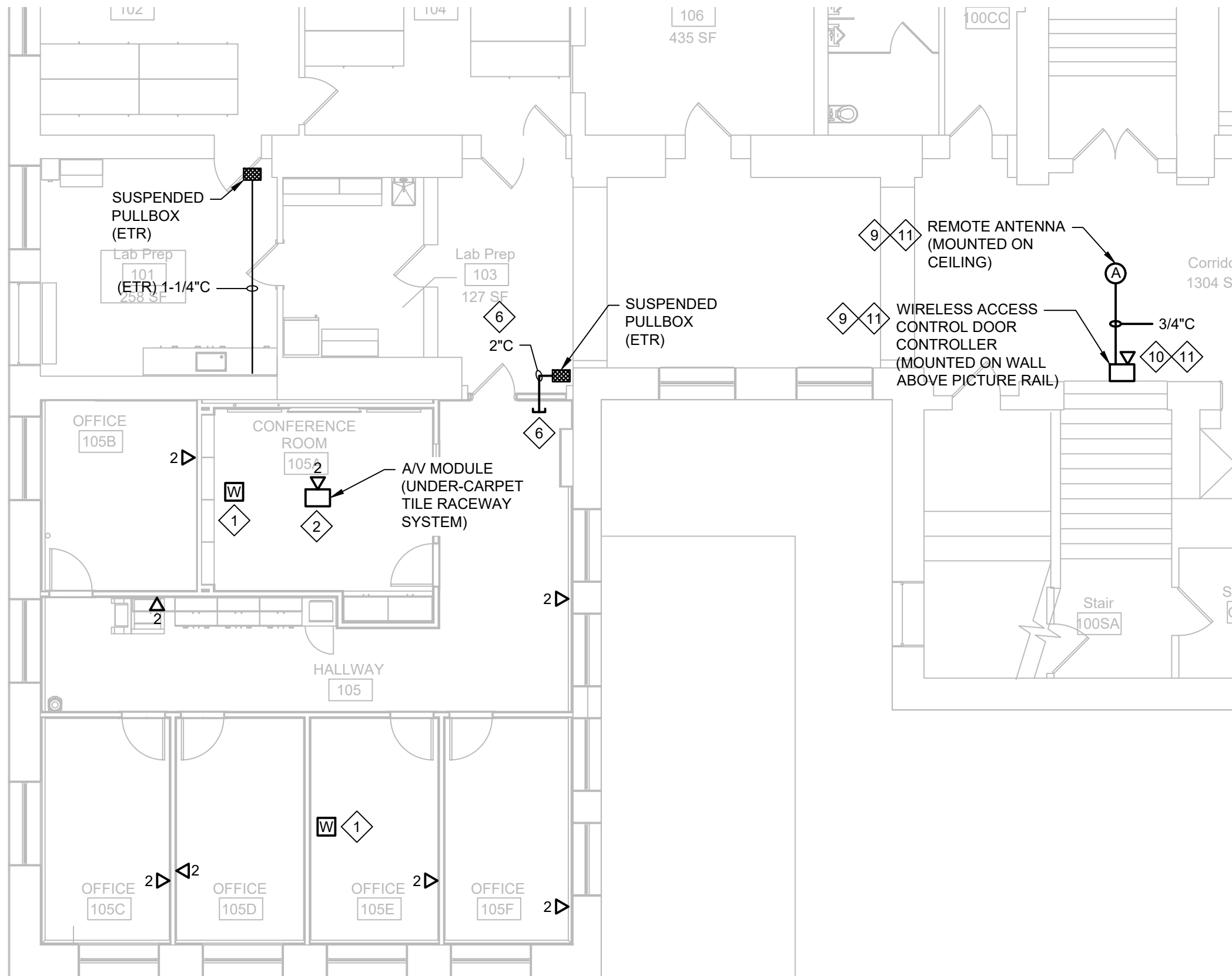
ETD-100

PARTIAL TELECOM
PLANS - DEMOLITION

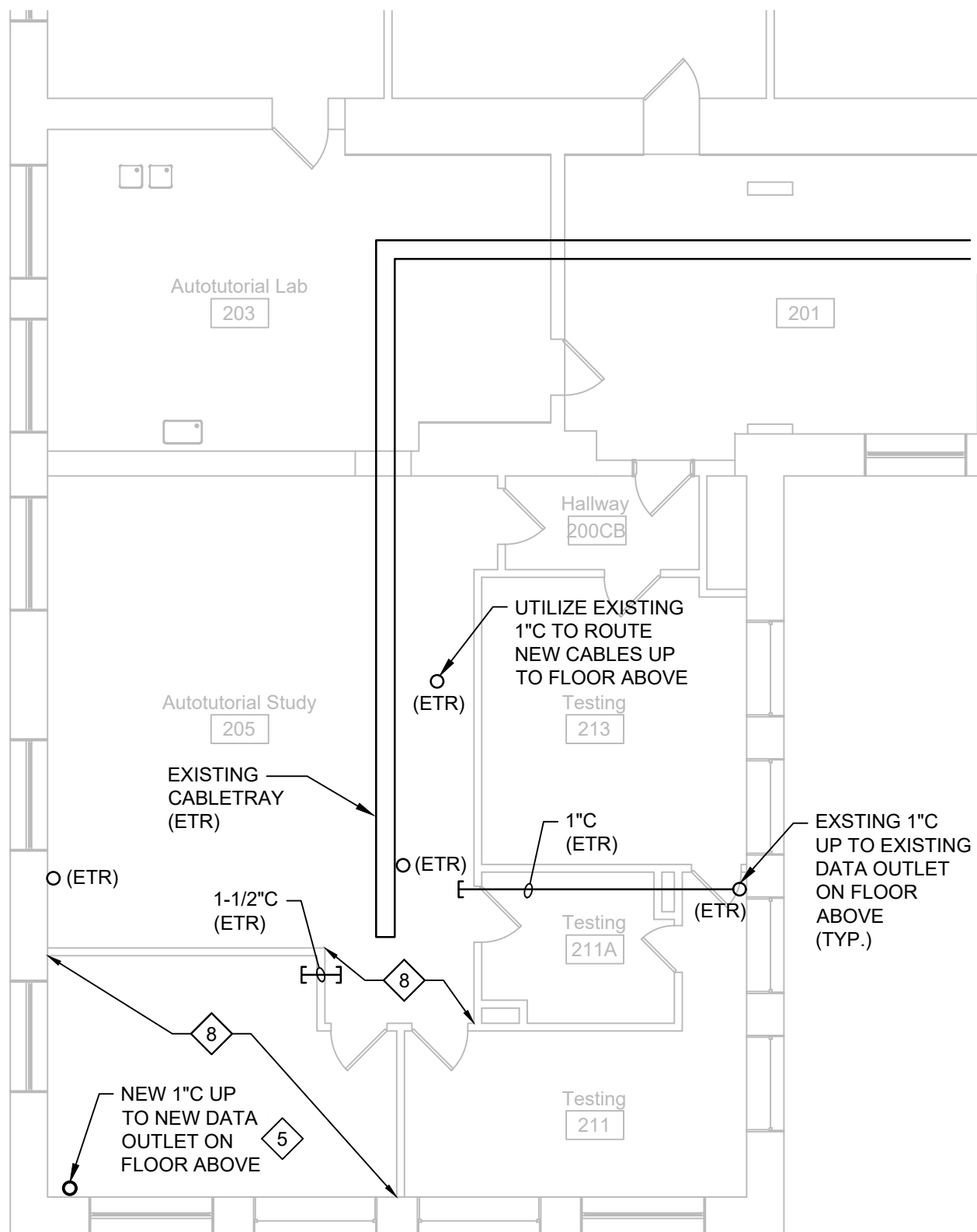
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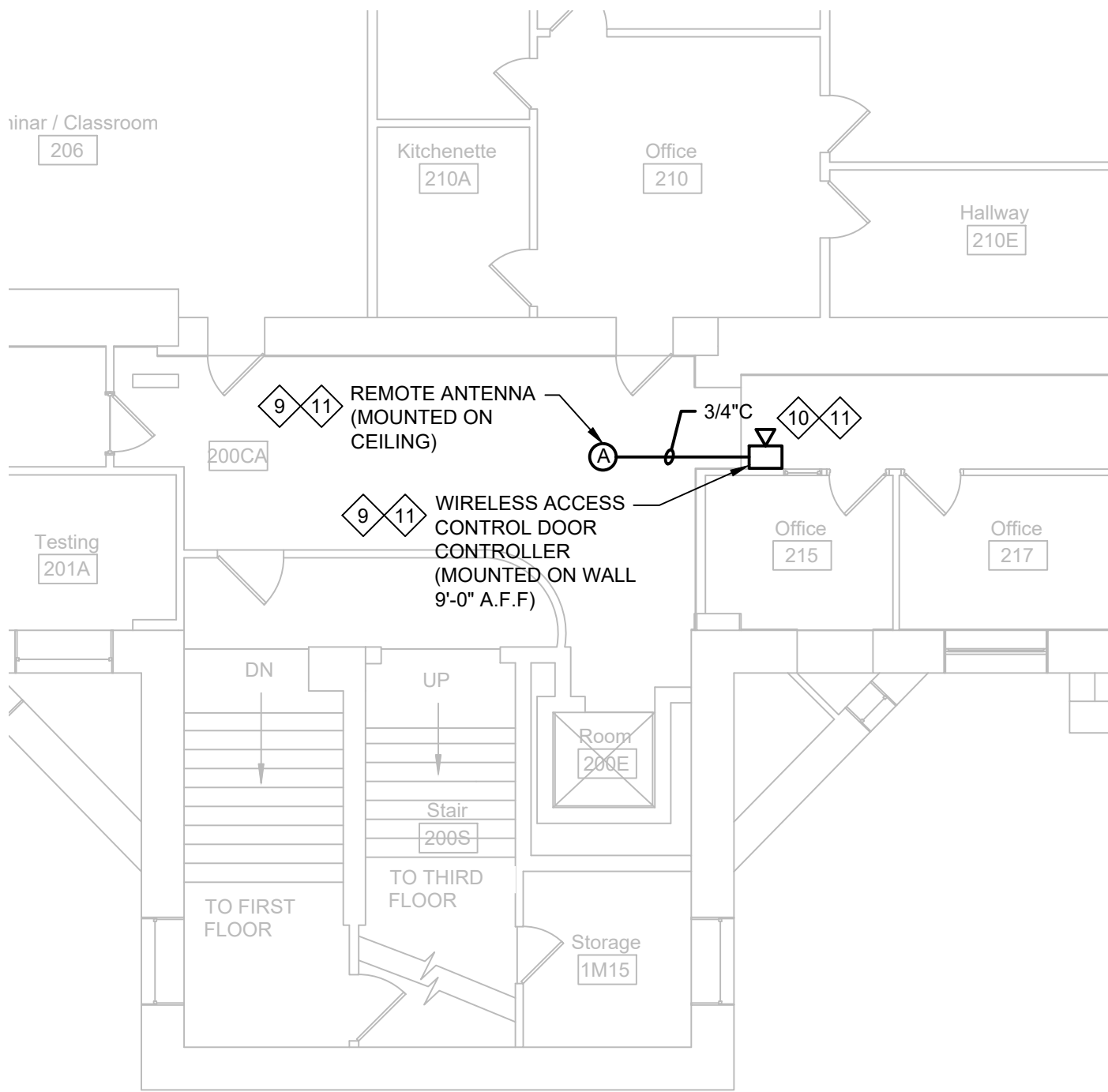
1 PARTIAL GROUND FLOOR TELECOM PLAN - NEW WORK
SCALE: 1/8"=1'-0"



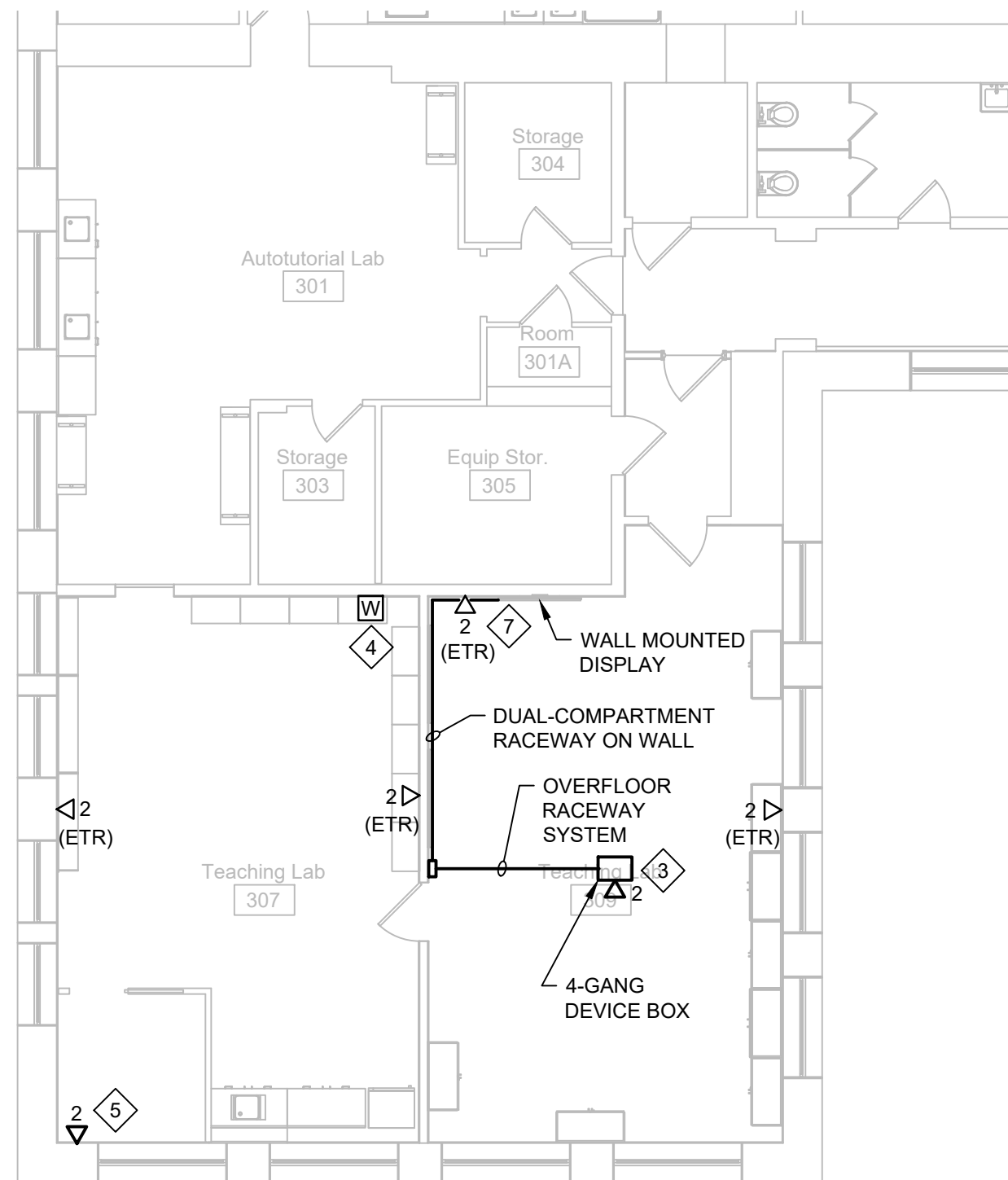
2 PARTIAL FIRST FLOOR TELECOM PLAN - NEW WORK
SCALE: 1/8"=1'-0"



3 PARTIAL SECOND FLOOR TELECOM PLAN - NEW WORK
SCALE: 1/8"=1'-0"



4 PARTIAL SECOND FLOOR TELECOM PLAN - NEW WORK
SCALE: 1/8"=1'-0"



5 PARTIAL THIRD FLOOR TELECOM PLAN - NEW WORK
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- G1. ALL DATA WORK SHALL BE COORDINATED WITH CORNELL CIT.
- G2. PROVIDE, ROUTE, TERMINATE, TEST AND LABEL ALL HORIZONTAL DATA CABLING FROM DATA OUTLETS BACK TO EXISTING DATA RACKS IN GROUND FLOOR TELECOM ROOM. COORDINATE FINAL TERMINATIONS AND TESTING WITH CORNELL CIT.
- G3. REFER TO DRAWINGS E-101 AND E-103 FOR ADDITIONAL INFORMATION ON UNDER-CARPET TILE AND OVERFLOOR RACEWAY SYSTEMS.
- G4. ALL AV CABLING AND OUTLETS SHALL BE PROVIDED BY CORNELL.

KEYED NOTES:

1. PROVIDE ABOVE CEILING DATA OUTLET WITH TWO (2) CAT 6A DATA JACKS IN A 2.25" DEEP, DOUBLE-GANG, BACKBOX FOR NEW CEILING MOUNTED WIRELESS ACCESS POINT. COORDINATE FINAL ACCESS POINT LOCATION WITH CORNELL CIT PRIOR TO ROUGHING-IN. WIRELESS ACCESS POINT SHALL BE FURNISHED AND INSTALLED BY CORNELL CIT.
2. DATA OUTLETS SHALL BE MOUNTED IN AV MODULE PROVIDED AS PART OF UNDER-CARPET TILE RACEWAY SYSTEM. CONTRACTOR WILL BE REQUIRED TO PROVIDE DATA JACKS, DATA CABLING AND ASSOCIATED SINGLE-GANG COVER PLATE.
3. DATA OUTLET SHALL BE MOUNTED IN 4-GANG DEVICE BOX PROVIDED AS PART OF OVERFLOOR RACEWAY SYSTEM. CONTRACTOR WILL BE REQUIRED TO PROVIDE DATA JACKS, DATA CABLING AND ASSOCIATED SINGLE-GANG COVER PLATE.
4. UPON SUBSTANTIAL COMPLETION OF THE PROJECT, COORDINATE INSTALLATION OF NEW WIRELESS ACCESS POINT WITH CORNELL CIT. CORNELL CIT SHALL FURNISH AND INSTALL ACCESS POINT AT EXISTING DATA OUTLET LOCATION.
5. DATA OUTLET SHALL BE FED FROM FLOOR BELOW. COORDINATE EXACT LOCATIONS OF DATA OUTLET AND CONDUIT PENETRATION WITH ABATEMENT CONTRACTOR. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR THE FLOOR PENETRATION AND FOR MECHANICALLY FASTENING AND INSTALLING ANY CONDUITS, SUPPORTS AND BACK BOXES TO THE WALL, FLOOR AND CEILING. ALL CONDUITS, SUPPORTS, BACK BOXES AND REQUIRED HARDWARE SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR AND TURNED OVER TO ABATEMENT CONTRACTOR FOR INSTALLATION.
6. PROVIDE NEW CONDUIT AND PENETRATION THROUGH EXISTING WALL TO PROVIDE PATHWAY FOR NEW OFFICE SUITE DATA CABLING TO GROUND FLOOR TELECOM ROOM. CONDUIT SHALL BE STUBBED THROUGH WALL ABOVE NEW SUSPENDED CEILING.
7. PROVIDE NEW SURFACE MOUNTED RACEWAY BETWEEN EXISTING DATA OUTLET BACKBOX TO NEW DUAL-COMPARTMENT RACEWAY TO PROVIDE PATHWAY FOR OVERFLOOR DEVICE BOX DATA OUTLETS. COORDINATE ROUTING OF RACEWAY WITH ABATEMENT CONTRACTOR. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR MECHANICALLY FASTENING AND INSTALLING RACEWAY ON EXISTING WALL. ALL RACEWAY AND REQUIRED HARDWARE SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR AND TURNED OVER TO ABATEMENT CONTRACTOR FOR INSTALLATION.
8. COORDINATE ROUTING OF DATA CABLING FROM FLOOR PENETRATION TO EXISTING CABLE TRAY WITH ABATEMENT CONTRACTOR. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR MECHANICALLY FASTENING AND INSTALLING ALL REQUIRED J-HOOKS TO THE EXISTING CEILING. ALL J-HOOKS AND REQUIRED HARDWARE SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR AND TURNED OVER TO ABATEMENT CONTRACTOR FOR INSTALLATION.
9. ELECTRICAL CONTRACTOR SHALL UTILIZE A CERTIFIED SCHLAGE/MERCURY SYSTEM INSTALLER (SECURITAS OR APPROVED EQUAL) TO INSTALL OWNER FURNISHED WIRELESS ACCESS CONTROL DOOR CONTROLLER (SCHLAGE #PIM4000-1501) AND ASSOCIATED ANTENNA AT APPROXIMATE LOCATIONS SHOWN. COORDINATE FINAL LOCATIONS WITH CORNELL PROJECT MANAGER. FACTORY FURNISHED 15-FOOT ANTENNA CABLE SHALL BE ROUTED IN 3/4" CONDUIT PAINTED TO MATCH SURROUNDING SURFACE (CONDUIT & PAINTING PROVIDED BY ELECTRICAL CONTRACTOR).
10. PROVIDE SURFACE MOUNTED DATA OUTLET WITH ONE (1) CAT 6A DATA JACK IN A 2.25" DEEP, DOUBLE-GANG, BACKBOX FOR NEW WIRELESS ACCESS CONTROL DOOR CONTROLLER. CONTROLLER REQUIRES POWER-OVER-ETHERNET(PoE) CONNECTION; COORDINATE ACTIVATION OF PoE ON VLAN 3024 WITH CORNELL CIT.
11. COORDINATE ALL ACCESS CONTROL SYSTEM WORK WITH ABATEMENT CONTRACTOR. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLOOR, WALL AND CEILING PENETRATIONS AS WELL AS MECHANICALLY FASTENING AND INSTALLING ALL RACEWAYS, SUPPORTS, BACK BOXES AND EQUIPMENT TO ANY WALLS, FLOORS AND CEILINGS. ALL RACEWAYS, SUPPORTS, BACK BOXES, EQUIPMENT AND REQUIRED HARDWARE SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR AND TURNED OVER TO ABATEMENT CONTRACTOR FOR INSTALLATION.

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Revisions

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ET-100

PARTIAL TELECOM
PLANS - NEW WORK

February 16, 2024
100% Construction
Documents