CORNELL UNIVERSITY

181008 RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

ITHACA, NY 14853

100% CONSTRUCTION DOCUMENTS

31 JANUARY 2025

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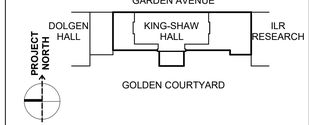
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

COVER SHEET AND DRAWING LIST

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

T-001

SPECIAL INSPECTIONS AND TESTS - CH.17

	Inspection Item	Code Section
X	Structural Steel	1705.2.1
	Cold-Formed Steel Deck	1705.2.2
	Open-Web Steel Joists and Joist Girders	1705.2.3
	Cold-Formed Steel Trusses	1705.2.4
	Concrete - Cast-In-Place	1705.3
	Concrete - Precast	1705.3
	Concrete - Prestressed	1705.3
X	Masonry	1705.4
	Wood - Off-Site fabrication of Structural Elements	1705.5
	Wood - Installation of High-Load Diaphragms	1705.5.1
	Wood - Installation of Metal-Place-Connected Trusses	1705.5.2
	Soils - Site Preparation	1705.6
	Soils - Fill placement & In-Place Density	1705.6
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	Driven Deep Foundations	1705.7
	Cast-In-Place Deep Foundations	1705.8
	Helical Pile Foundations	1705.9
	Fabricated Items	1705.10
	Wind Resistance	1705.11
	Seismic Resistance	1705.12, 1705.13
	Sprayed Fire-Resistant Materials	1705.14
	Mastic and Intumescent Fire-Resistant Coatings	1705.15
	Exterior Insulation Finish Systems (EIFS)	1705.16
X	Fire-Resistant Penetrations and Joints	1705.17

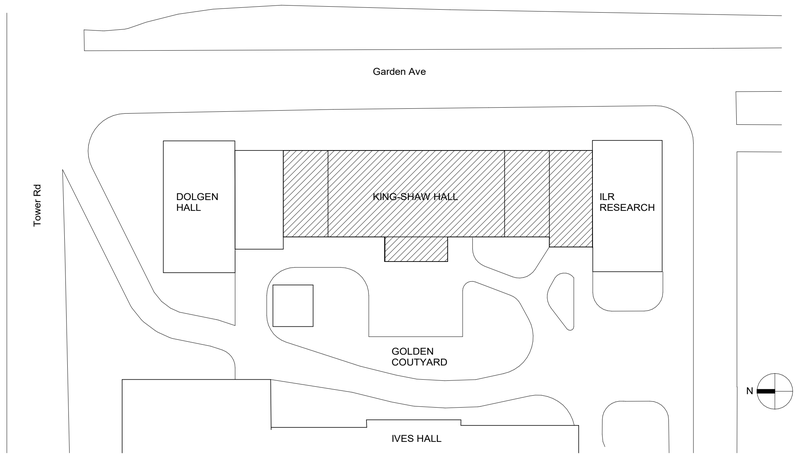
ENERGY CODE INSPECTIONS - C106

	Inspection Item	Code Section
	Footing and Foundation Insulation	C106.2.1
	Thermal Envelope	C106.2.2
	Plumbing System	C106.2.3
X	Mechanical System	C106.2.4
X	Electrical System	C106.2.5
	Final Inspection	C106.2.6
	HVAC System Inspection	C106.2.6.1

GENERAL NOTES

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE AND/OR BUILDING.
2. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMIT(S), FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
3. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
4. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING QUALITY OF THE WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRCUTION AGAINST DAMAGE, BREAKAGE, COLLAPES, DISTORTIONS AND OFF ALIGNMENT ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
6. THE TERM "FINISH FLOOR" SHALL MEAN THE NORMAL FINISHED SURFACE OF THE FLOOR LEVEL.
7. PIPES, DUCTS, ETC. IN ALL AREAS SHOULD BE LOCATED AT THE MAXIMUM HEIGHT ABOVE FLOOR UNLESS OTHERWISE INDICATED.
8. THE CONTRACTOR SHALL INSTALL SUSPENDED CEILINGS, UNLESS OTHERWISE NOTED, 4 1/2" BELOW THE LOWEST PIPE OR DUCT.
9. THE CONTRACTOR SHALL PATCH AND REPAIR ALL FLOORS, WALLS, CEILINGS, ETC. DAMAGED OR EXPOSED DUE TO WORK OR REMOVALS AND FINISH TO MATCH ADJOINING SURFACES.
10. THE CONTRACTOR SHALL NOT INSTALL SUSPENDED OR FURRED CEILINGS IN AREAS WHERE PIPES ARE TO BE CONCEALED (HEATING, PLUMBING) UNTILL THE PIPING HAD BEEN TESTED.
11. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF PLUMBING FIXTURES PRIOR TO THE CONSTRUCTION OF PARTITIONS BEHIND SUCH FIXTURES.
12. THE DISTANCE FROM DOOR JAMBS TO ADJACENT PARTITIONS, BUILT-IN FURNITURE OR OTHER FURNISHINGS SHALL NOT BE LESS THAN 4" UNLESS OTHERWISE NOTED ON THE DRAWINGS.
13. THE CONTRACTOR SHALL COORDINATE OPENINGS IN THE FOUNDATION AND EXTERIOR WALLS FOR THE INSTALLATION OF MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS.
14. ALL EXPOSED INTERIOR CONCRETE WALLS TO BE RUBBED AND PAINTED.
15. THE CONTRACTOR SHALL EXTEND ALL WALL FINISHES A MINIMUM OF 6" ABOVE THE SUSPENDED OR FURRED CEIILNG, OR AS NOTED ON DRAWINGS.
16. EXTERIOR BRICK WALLS SHALL BE INSTALLED IN A BOND PATTERN NOTED ON DRAWINGS.
17. FIRE STOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE RATED CONSTRUCTION AS PER SPECIFICATIONS.
18. LOCATIONS AND DIMENSIONS OF CONCRETE EQUIPMENT PADS TO BE COORDINATED WITH THE SUBMITTED EQUIPMENT MANUFACTURER AND IS SUBJECT TO APPROVAL WITH THE EQUIPMENT SHOP DRAWINGS.
19. THE CONTRACTOR SHALL COORDINATE AND INSTALL ALL CLEAN OUT AND ACCESS FOORS IN PARTITIONS AND HUNG CEILINGS AS REQUIRED BY THE CONTRACT DOCUMENTS.
20. DIMENSIONS ON PLANS ARE INDICATED FROM SURFACE TO SURFACE BETWEEN WALLS, PARTITIONS AND OTHER ITEMS.
21. SIZE OF MASONRY UNITS AND WOOD MEMBERS ON PLANS, BUILDING ELEVATIONS AND SECTIONS ARE SHOWN AS NOMINAL SIZE, EXCEPT WHERE EXPLICITLY DIMENSIONSED.
22. ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROEJCT MAY BE FOUND THROUGHOUT THE CONTRACT DRAWINGS.
23. ON ALL DETAIL DRAWINGS, UNLESS NOTED AS "EXISTING". CONTRACTOR SHOULD ASSUME THAT MATERIAL IS NEW TO BE PROVIDED AS PART OF THE CONTRACT.
24. UNLSES OTHERWISE INDICATED, ALL SPRINKLER HEADS ARE TO BE INSTALLED IN THE CENTER OF CEILING TILES.
25. BLANK OFF UNUSED PORTIONS OF EXTERIOR LOUVERS WITH SHEET METAL AND 2" RIGID INSULATONS, OR AS NOTED ON DRAWINGS.
26. PROVIDE ALL REQ'D CLOSURES, TAPES AND SEPARATION LAYERS AS PER MANUFACTURERS INSTRUCTIONS, OR AS INDICATED IN DRAWING DETAILS. PROVIDE ADEQUATE SEPARATION BETWEEN DISIMILAR METALS AND/OR MATERIALS.



01 SITE PLAN
SCALE: 1/32" = 1'-0"

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NO.	DATE	COMMENTS

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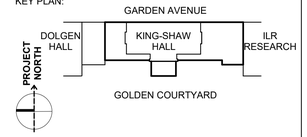
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

GENERAL NOTES AND SPECIAL INSPECTIONS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

G-001

ABBREVIATIONS:

A	COMPRESSED AIR
A.F.G.	ABOVE FINISH GRADE
A.F.F.	ABOVE FINISH FLOOR
A.D.	ACCESS DOOR
ADDL.	ADDITIONAL
ADJ.	ADJUSTABLE
A.C.	AIR CONDITIONING
ALUM.	ALUMINUM
APPRV'D	APPROVED
APPROX.	APPROXIMATE
A.DRN./AD	AREA DRAIN
ARCH.	ARCHITECTURAL
@	AT
AUTO.	AUTOMATIC
AV	AUDIOVISUAL
BB	BLACKBOARD
B	BUTCHER BLOCK COUNTERTOP
BBT	BIO---BASED TILE
BSMT.	BASEMENT
B.M.	BENCH MARK
BET.	BETWEEN
BTW.	BETWEEN
BIT.	BITUMINOUS
BLK.	BLOCK
BD.	BOARD
B.O.	BOTTOM OF
B.C.	BOTTOM OF CURB
BLDG.	BUILDING
B.E.J.	BRICK EXPANSION JOINT
CAB.	CABINET
C.I.	CAST IRON
CS	CAST STONE
C.B.	CATCH BASIN
CAULK.	CAULKING
CLG.	CEILING
CL	CENTER LINE
CEM.	CEMENT
CTR.	CENTER
CER.	CERAMIC
CT	CERAMIC TILE
CIR.	CIRCULAR
C.O.	CLEAN OUT
CO2	CARBON DIOXIDE
CCTV	CLOSED CIRCUIT TELEVISION
CLOS.	CLOSET
COL.	COLUMN
COMB.	COMBINATION
COMP.	COMPRESSIBLE
CONC.	CONCRETE
CPU	CENTRAL PROCESSING UNIT
CMU	CONCRETE MASONRY UNIT
CON ST.	CONSTRUCT/CONSTRUCTED
CONT.	CONTINUOUS
CON V.	CONVECTOR
CORR.	CORRIDOR
COORD.	COORDINATE
CTL. JT./CJ	CONTROL JOINT
CF	CUBIC FOOT
CUH	CABINET UNIT HEATER
CY	CUBIC YARD
CTW.	CURTAIN WALL
CW	COLD WATER
DDH	DOWNDRAFT HOOD
DET.	DETAIL
DIAG.	DIAGONAL
DIAM.	DIAMETER
DIFF.	DIFFUSER
DIM.	DIMENSION
DISP.	DISPENSER
DISPL.	DISPOSAL
DR.	DRYING RACK
DN.	DOWN
DRN.	DRAIN
DWG.	DRAWING
D.F.	DRINKING FOUNTAIN
EA.	EACH
E.	EPOXY
ELEC.	ELECTRIC
EWC	ELECTRIC WATER COOLER
EL.	ELEVATION
ELEV.	ELEVATOR
EMER.	EMERGENCY
EMR.	ELEVATOR MACHINE ROOM
ENCL.	ENCLOSURE
ENTR.	ENTRANCE
EP	ELECTRIC PANEL
EQ.	EQUAL
EQUIP.	EQUIPMENT
ES	EMERGENCY SHOWER
EST. GRD.	ESTABLISHED GRADE
EW	EYEWASH
EX.	EXISTING
EXC.	EXCAVATE
EXH.	EXHAUST
EXIST.	EXISTING
EXP. JT./EJ	EXPANSION JOINT
EXT.	EXTERIOR
EXTR.	EXTRUDED
F	FILLER PANEL
FC	FIRE EXTINGUISHER CABINET
FT.	FEET/FOOT
FEM. NAP. DI	SP. FEMININE NAPKIN DISPENSER
FEM. NAP. DI	SPL. FEMININE NAPKIN DISPOSAL
FIN.	FINISH
FIN. FLR.	FINISHED FLOOR
FIN. GR.	FINISHED GRADE
FEC.	FIRE EXTINGUISHER CABINET
FER	FIRE EXTINGUISHER RACK
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FP	FIREPROOF
FPSC	FIREPROOF SELF CLOSING
FSP	FIRE STANDPIPE
FIXT.	FIXTURE
FL.	FLOOR
FLR.	FLOOR
FD	FLOOR DRAIN
FLUOR.	FLUORESCENT
FTG.	FOOTING
FDN.	FOUNDATION
FAI	FRESH AIR INTAKE
FUR.	FURRING
FVC	FIRE VALVE CABINET
FX	FIRE EXTINGUISHER CABINET
G	GAS
GAL.	GALLON
GALV.	GALVANIZED
GALV.MTL.	GALVANIZED METAL
GALV.STL.	GALVANIZED STEEL
GA.	GAUGE
G.C.	GENERAL CONTRACTOR
GEN.	GENERATOR
GL.	GLASS
GL. BLK.	GLASS BLOCK
GR.	GRADE
GRAN.	GRANITE
GRND.	GROUND
GYP.	GYPSUM
GYP. BD.	GYPSUM BOARD
GWB	GYPSUM WALL BOARD
GM	GROMMET
GMPS	GLAZED METAL PARTITION SYSTEM
GF CMU	GROUND FACE CONCRETE MASONRY UNIT
HDWR.	HARDWARE
HTR.	HEATER
HVAC.	HEATING, VENTILATING & AIR CONDITIONING
H T.	HEIGHT
HP	HIGH POINT
HN2	HIGH PURITY NITROGEN
HM	HOLLOW METAL
HORIZ.	HORIZONTAL
HB	HOSE BIB
HPDL	HIGH PRESSURE DECORATIVE LAMINATE
HW	HOT WATER
IN.	INCH/INCHES
INC.	INCUBATOR
INCL.	INCLUDE/INCLUSIVE
ID.	INSIDE DIMENSION
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JC.	JANITORS CLOSET
JAN. CLO.	JANITORS CLOSET
JT.	JOINT
JST.	JOIST
JUNCT. BOX	JUNCTION BOX
KIT.	KITCHEN
KIT. EXH.	KITCHEN EXHAUST
KO	KNEE OPENING
LAB.	LABORATORY
LAM.	LAMINATE
LAV.	LAVATORY
L.H.	LEFT HAND
LHRB.	LEFT HAND REVERSE BEVEL
LEV.	LEVEL
LEVR.	LEVER
LT.	LIGHT
LTG.	LIGHTING
LTNG.	LIGHTNING
LT. WT.	LIGHT WEIGHT
LIN.	LINEAR
LP	LOW POINT
MACH.	MACHINE
MAINT.	MAINTENANCE
MH.	MAN HOLE
MFR.	MANUFACTURER
MO.	MASONRY OPENING
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MTL.	METAL
MET.	METAL
MEZZ.	MEZZANINE
MIN.	MINIMUM
MIR.	MIRROR
MIRR	MIRROR IMAGE
MISC.	MISCELLANEOUS
MOD.	MODULE
NAP.	NAPKIN
NOM.	NOMINAL
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
N2	NITROGEN
OFF	OFFICE
OC	ON CENTER
OPN'G.	OPENING
OPP.	OPPOSITE
OD	OUTSIDE DIMENSION
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
ORD	OVERFLOW ROOF DRAIN
OSP	OVERHEAD SERVICE PLATE (ALUMINUM)
PNT.	PAINT
PTD.	PAINTED
PR.	PAIR
PNL.	PANEL
PAP.	PAPER
PKG.	PARKING
PE	POINT EXHAUST
PERF.	PERFORATED
PARAP	PARAPET
PCT.	PERCENT
PH	PHENOLIC LAMINATE
PL.	PLASTIC LAMINATE
PLUM.	PLUMBING
POL.	POLISHED
LB.	POUND(S)
PCF	POUNDS PER CUBIC FOOT
PCY	POUNDS PER CUBIC YARD
PSF	POUNDS PER SQUARE FOOT
PSGR	PASSENGER
PSI	POUNDS PER SQUARE INCH
PROJ.	PROJECT
PROJN.	PROJECTION
PROT.	PROTECTION
PTD.	PAINTED
PT	POKE-THRU
PW	PURE WATER
QT	QUARRY TILE
RAD.	RADIUS
RD	ROOF DRAIN
REC.	RECEPTION
REF.	REFERENCE/REFER
REINF.	REINFORCED/REINFORCING
REQ'D.	REQUIRED
REV.	REVISION/REVISED
RH	RIGHT HAND
RHRB	RIGHT HAND REVERSE BEVEL
R.	RISER
R. DRN./RD	ROOF DRAIN
RM.	ROOM
RCP	REFLECTED CEILING PLAN
RT	RUBBER TILE
RO	REVERSE OSMOSIS WATER
SAN.	SANITARY
SCHED.	SCHEDULE
SECT.	SECTION
SE	SERVICE ELEVATOR
SEW.	SEWER/SEWAGE
SHT.	SHEET
SIM.	SIMILAR
SK.	SKETCH
SD	SOAP DISPENSER
S	SOUTH
SB	SAFETY BLANKET
SOFP	SPRAY-ON FIREPROOFING
SPKR.	SPEAKER
SPEC.	SPECIFICATIONS
SPKLR.	SPRINKLER
SQ.	SQUARE
SF	SQUARE FEET/FOOT
SY	SQUARE YARD/YARDS
SP	SS SERVICE FIXTURE PLATE
SS.	STAINLESS STEEL
ST. STL.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STR.	STRINGER
STRC.	STRUCTURAL
STRUC.	STRUCTURAL
SUSP.	SUSPENDED
SWGR.	SWITCHGEAR
SYM.	SYMMETRICAL
TEL.	TELEPHONE
TEL. CL.	TELEPHONE CLOSET
TELE.	TELEPHONE
TELE. CL.	TELEPHONE CLOSET
TV	TELEVISION
TEMP.	TEMPORARY
TC	TERRA COTTA
TERR.	TERRAZZO
THRU.	THROUGH
T&G	TONGUE AND GROOVE
TPH	TOILET PAPER HOLDER
TC	TOP OF THE CURB
TD	TOP OF DRAIN
T.O.	TOP OF
T.O.S.	TOP OF SLAB
TW	TOP OF WALL
TYP.	TYPICAL
UNFIN.	UNFINISHED
U.O.N.	UNLESS OTHERWISE NOTED
UR.	URINAL
UTIL.	UTILITY
V	VACUUM
VEH.	VEHICLE
VERT.	VERTICAL
VEST.	VESTIBULE
VCT	VINYL COMPOSITION TILE
VT	VINYL TILE
VLT.	VOLT
WB	WHITEBOARD
WC	WATER CLOSET
WR	WATER RESISTANT
WTHPRF	WEATHERPROOF
WT.	WEIGHT
W	WEST
W/	WITH
W/O	WITHOUT
WD.	WOOD

SYMBOLS

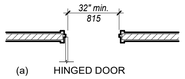
- A — Column Reference
- 01 / A-101 — SIM — Section Marker
- 01 / DM-310 — Exterior Elevation
- 01 / A-600 — Detail Reference
- 10'-6" — Elevation Marker
- 01 / 01 DM-200 01 / 01 — Interior Elevation
- AC1VE1.2 — Door Number
- D0.2 — Wall Type
- ROOM NAME / F2/B2/W2/C2 — Room Name, Room Number, Room Finishes
- ### / REF — Equipment Number, Equipment Name
- E / 30 — Bench Type: C-Solid Surface, E-Epoxy Resin, P-Plastic Laminate, SS-Stainless Steel, ST-Stone, WD-Wood, # = Height, Inches
- XX — Interior Finish
- 1 — Revision
- 7'-4" — Dimensions to Column Center Line
- 7'-4" — Other Dimensions
- A6.01 — Sheet Number, Trade

MATERIALS

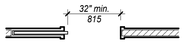
- Earth/Fill
- Gravel/Porous Fill
- Concrete
- Cast Stone/Grout
- Ground Face CMU
- CMU
- Brick
- Steel
- Aluminum
- Continuous Wood Framing
- Wood Blocking
- Finish Wood
- Plywood
- Particle Board
- Rigid Insulation
- Batt Insulation
- Sprayed/Foam Insulation
- Waterproof Membrane/Air Vapor Barrier
- Glass
- Glass Block
- Gypsum Board
- Acoustic Tile
- Ceramic Tile
- Resilient Flooring
- Carpet

ACCESSIBLE ROUTES (ANSI A117.1-2009 & 2010 ADA STANDARD)

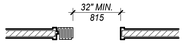
NOTE: ALL DIMENSIONS ARE TO FINISH TYP.



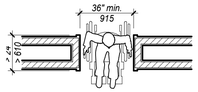
(a) HINGED DOOR



(b) POCKET (SLIDING) DOOR



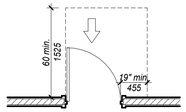
(c) FOLDING DOOR



(d) DOORWAYS WITHOUT DOOR

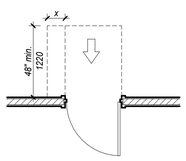
CLEAR WIDTHS

PULL SIDE



(d) FRONT APPROACH - SWINGING DOORS

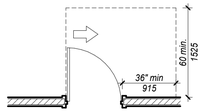
PUSH SIDE



(e) FRONT APPROACH - SWINGING DOORS

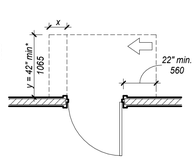
NOTE: x = 12" if both closer and latch are provided

PULL SIDE



(f) HINGE APPROACH - SWINGING DOORS

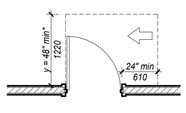
PUSH SIDE



(g) HINGE APPROACH - SWINGING DOORS

NOTE: * y = 48" (1220 mm) min. if door has both a closer and a latch.
x = 12" (305) min. if door has both a closer and a latch

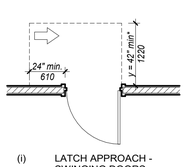
PULL SIDE



(h) LATCH APPROACH - SWINGING DOORS

NOTE: * y = 54" (1360 mm) min. if a closer is provided

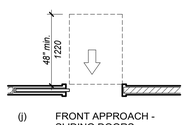
PUSH SIDE



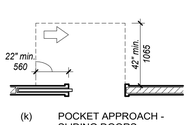
(i) LATCH APPROACH - SWINGING DOORS

NOTE: * y = 48" (1220 mm) min. if a closer is provided

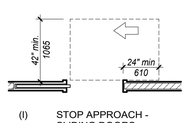
MANEUVERING CLEARANCES



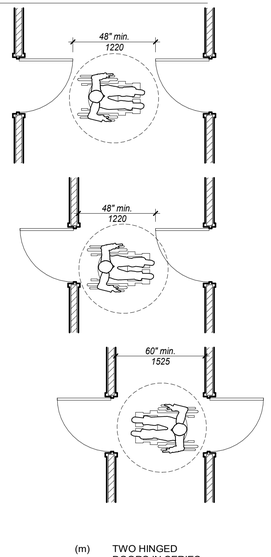
(j) FRONT APPROACH - SLIDING DOORS



(k) POCKET APPROACH - SLIDING DOORS

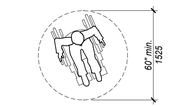


(l) STOP APPROACH - SLIDING DOORS

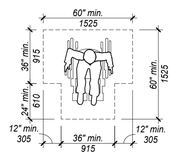


(m) TWO HINGED DOORS IN SERIES

BUILDING BLOCKS (ANSI A117.1-2009, 2010 ADA STANDARD)

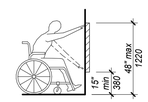


(a) CIRCULAR

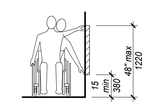


(b) T-SHAPED

SIZE OF TURNING SPACE

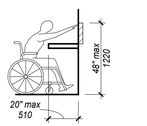


(a) FORWARD REACH

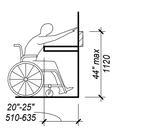


(a) SIDE REACH

UNOBSTRUCTED REACH

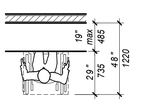


(a) AT WORK SURFACE

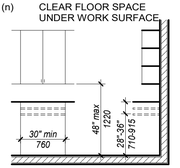


(b) AT WORK SURFACE

OBSTRUCTED FORWARD REACH



(n) CLEAR FLOOR SPACE UNDER WORK SURFACE



(o) CABINETS AND COUNTER TOP HEIGHTS

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Cornell University
Ithaca, NY 14853

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Associates, Inc (SGH)
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New York, NY 10016
(212) 937-1097

SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS

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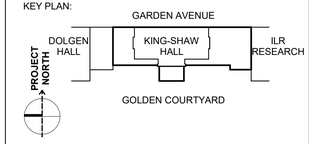
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

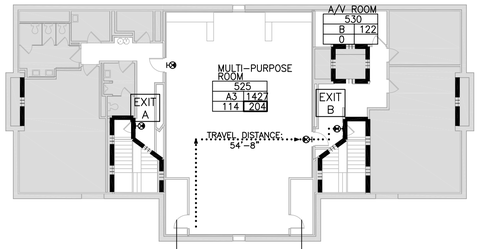
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

ABBREVIATIONS, SYMBOLS, AND ACCESSIBLE ROUTES

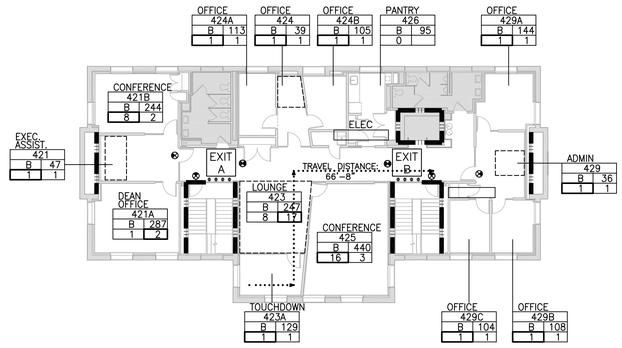
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

G-002



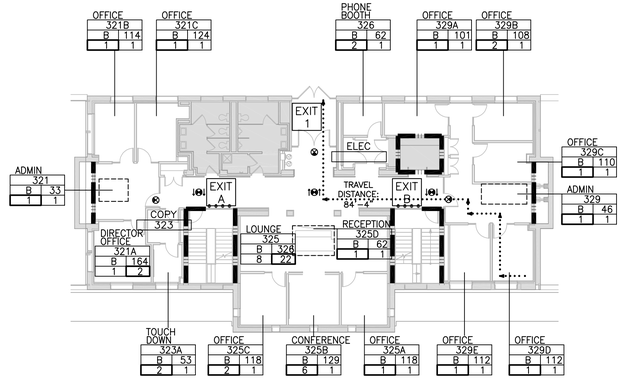
04 CODE COMPLIANCE PLAN – FIFTH FLOOR

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



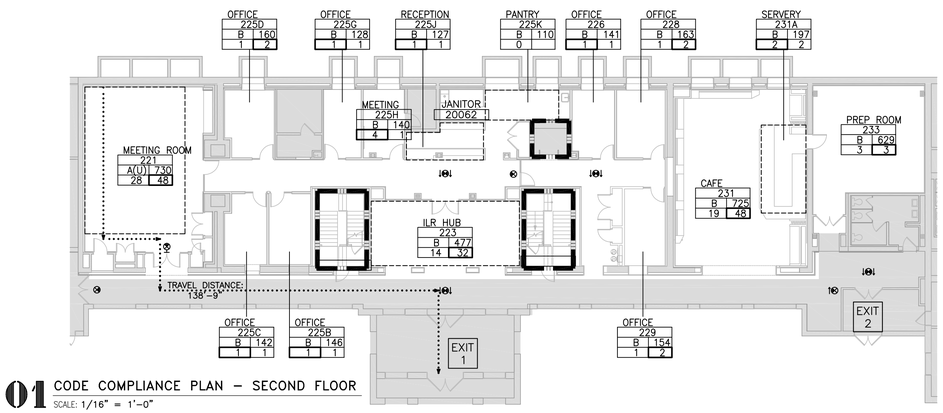
03 CODE COMPLIANCE PLAN – FOURTH FLOOR

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



02 CODE COMPLIANCE PLAN – THIRD FLOOR

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



01 CODE COMPLIANCE PLAN – SECOND FLOOR

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

FIFTH FLOOR

EGRESS CAPACITY

MAX. NO. OF OCCUPANTS ON FLOOR		STAIR (1 PER .30" WIDTH)		STAIR/EXIT DOOR (1 PER .20" WIDTH)		
	NO.	WIDTH	MAX CAP.	WIDTH	MAX CAP.	GOVERNING CAPACITY
	A	45"	150	36"	180	150
	B	44"	146	36"	180	146
	TOTAL EXIT CAPACITY ON FLOOR: TOTAL OCCUPANCY ON FLOOR:					296 204 (COMPLIES)

PLUMBING FIXTURE COUNT

	OCC. LOAD	WATER CLOSET MALE	WATER CLOSET FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	DRINKING FOUNTAINS	SERV. SINKS
GROUP A-3*	204	1	2	1	1	1	1
TOTAL PROVIDED		2	3	1	2	2*	1

*PER BCNYS 2902.1.1 FIXTURE CALCULATIONS

**PLUMBING CODE SECTION 410.4 ALLOWS UP TO 50% OF REQUIRED DRINKING FOUNTAINS TO BE SUBSTITUTED WITH BOTTLED WATER DISPENSERS

FOURTH FLOOR

EGRESS CAPACITY

MAX. NO. OF OCCUPANTS ON FLOOR		STAIR (1 PER .30" WIDTH)		STAIR/EXIT DOOR (1 PER .20" WIDTH)		
	NO.	WIDTH	MAX CAP.	WIDTH	MAX CAP.	GOVERNING CAPACITY
	A	45"	150	36"	180	150
	B	44"	146	36"	180	146
	TOTAL EXIT CAPACITY ON FLOOR: TOTAL OCCUPANCY ON FLOOR:					296 52 (COMPLIES)

PLUMBING FIXTURE COUNT

	OCC. LOAD	WATER CLOSET MALE	WATER CLOSET FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	DRINKING FOUNTAINS	SERV. SINKS
GROUP B*	52	2	2	1	1	1	1
TOTAL PROVIDED		4	3	2	3	2	

*PER BCNYS 2902.1.1 FIXTURE CALCULATIONS

**PLUMBING CODE SECTION 410.4 ALLOWS UP TO 50% OF REQUIRED DRINKING FOUNTAINS TO BE SUBSTITUTED WITH BOTTLED WATER DISPENSERS

THIRD FLOOR

EGRESS CAPACITY

MAX. NO. OF OCCUPANTS ON FLOOR		STAIR (1 PER .30" WIDTH)		STAIR/EXIT DOOR (1 PER .20" WIDTH)		
	NO.	WIDTH	MAX CAP.	WIDTH	MAX CAP.	GOVERNING CAPACITY
	A	45"	150	36"	180	150
	B	44"	146	36"	180	146
	1			72"	360	360
	TOTAL EXIT CAPACITY ON FLOOR: TOTAL OCCUPANCY ON FLOOR:					656 48 (COMPLIES)

PLUMBING FIXTURE COUNT

	OCC. LOAD	WATER CLOSET MALE	WATER CLOSET FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	DRINKING FOUNTAINS	SERV. SINKS
GROUP B*	48	1	1	1	1	1	1
TOTAL PROVIDED		3	3	2	2	2	1

*PER BCNYS 2902.1.1 FIXTURE CALCULATIONS

**PLUMBING CODE SECTION 410.4 ALLOWS UP TO 50% OF REQUIRED DRINKING FOUNTAINS TO BE SUBSTITUTED WITH BOTTLED WATER DISPENSERS

SECOND FLOOR

EGRESS CAPACITY

MAX. NO. OF OCCUPANTS ON FLOOR		STAIR (1 PER .30" WIDTH)		STAIR/EXIT DOOR (1 PER .20" WIDTH)		
	NO.	WIDTH	MAX CAP.	WIDTH	MAX CAP.	GOVERNING CAPACITY
	1			72"	360	360
	2			72"	360	360
	TOTAL EXIT CAPACITY ON FLOOR: TOTAL OCCUPANCY ON FLOOR:					720 148 (COMPLIES)

PLUMBING FIXTURE COUNT

	OCC. LOAD	WATER CLOSET MALE	WATER CLOSET FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	DRINKING FOUNTAINS	SERV. SINKS
GROUP A*	48	1	1	1	1	1	1
GROUP B*	100	2	2	2	2	1	1
TOTAL PROVIDED		3	3	2***	2***	2	

*PER BCNYS 2902.1.1 FIXTURE CALCULATIONS

**PLUMBING CODE SECTION 410.4 ALLOWS UP TO 50% OF REQUIRED DRINKING FOUNTAINS TO BE SUBSTITUTED WITH BOTTLED WATER DISPENSERS

***ONE OF THE REQUIRED LAVATORIES LOCATED ON THE THIRD FLOOR

CODE SUMMARY

PROJECT DESCRIPTION:

KING-SHAW HALL IS ONE WING OF A BUILDING WHICH CONSISTS OF THREE WINGS: DOLGEN HALL TO THE NORTH, KING-SHAW HALL IN THE CENTER AND ILR RESEARCH TO THE SOUTH. THIS PROJECT WILL BE A PARTIAL RENOVATION OF FLOORS 2, 3, 4 AND 5 AND PROVIDE NEW OFFICES, WORKSTATIONS, MEETING ROOMS, STUDENT LOUNGES AND A CAFÉ, AS WELL AS RESTORATION OF THE ROOFTOP CUPOLA.

APPLICABLE CODES:

- 2020 NYS UNIFORM FIRE PROTECTION AND BUILDING CODE
- ICC/ANSI A117.1-2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

USE AND OCCUPANCY CLASSIFICATION:

BCNYS 302.1–
THERE WILL BE NO CHANGE IN OCCUPANCY CLASSIFICATION. CURRENT AND NEW USE OF SPACE INCLUDES: **BUSINESS GROUP B** THE EXISTING LEGAL NONCONFORMING A-3 OCCUPANCY ON THE FIFTH FLOOR IS TO REMAIN; THE NONCONFORMING USE IS NOT BEING MADE LESS CONFORMING.

USES IN THE BUILDING INCLUDE:

USE	CLASSIFICATION
EDUCATION ABOVE 12TH GRADE	BUSINESS GROUP B
ASSEMBLY	ASSEMBLY GROUP A-3 (≥50 PERSONS OR 750SF)

CONSTRUCTION CLASSIFICATION: TYPE VB

TABLE 601:

BUILDING ELEMENT	RATING (HOURS)
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS	
EXTERIOR	0
INTERIOR	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

INTERIOR FINISHES

BCNYS TABLE 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS

GROUP	INTERIOR EXIT STAIRS, RAMPS	INTERIOR EXIT PASSAGEWAYS*	CORRIDORS & ENCLOSURE FOR EXIT ACCESS STAIRS AND RAMPS	ROOMS AND ENCLOSED SPACES
B	B	B	C	C
A-3	B	B	B	C

*CLASS C SHALL BE PERMITTED FOR WAINSCOTING OR PANELING OF NOT MORE THAN 1,000 SF OF APPLIED SURFACE AREA IN THE GRADE LOBBY

MEANS OF EGRESS

BCNYS TABLE 1006.2.1 - SPACES WITH ONE EXIT

OCCUPANCY	MAX. OCCUPANT LOAD	MAX. COMMON PATH OF TRAVEL (SPRINKLERED)
B	49	100'
A-3	49	75'

BCNYS TABLE 1006.3.2 - MINIMUM NUMBER OF EXITS PER STORY

OCCUPANT LOAD PER STORY	MINIMUM NUMBER OF EXITS
1-500	2

BCNYS 1017 EXIT ACCESS TRAVEL DISTANCE - TABLE 1017.2

OCCUPANCY	WITH SPRINKLER SYSTEM
B	300'
A-3	250'

USE OF SPACE

	FUNCTION	SF/OCCUPANT
B	BUSINESS	150 GROSS
B(A)	BUSINESS: SMALL ASSEMBLY - UNCONCENTRATED	15 NET
B(S)	ACCESSORY STORAGE, MECH., AND EQUIPMENT	300 GROSS
A3	ASSEMBLY: CONCENTRATED	7 NET

SYMBOLS LEGEND

ROOM NAME
101
B 1500
1 1

- ROOM NAME
- ROOM NUMBER
- SQUARE FOOTAGE
- NO. OCC. BY CODE
- NO. OCC. BY PROGRAM OCCUPANCY GROUP

TRAVEL PATH

X EXIT DESIGNATION

FEC FIRE EXTINGUISHER CABINET

INTERIOR FIRE RESISTANT RATED WALLS

- 1 HR
- 2 HR
- 2 HR SPECIAL APPLICATION SPRINKLER AT GLASS

- WALL MTD EXIT SIGN
- CEILING MTD EXIT SIGN
- PENDANT MTD EXIT SIGN

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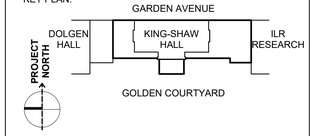


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

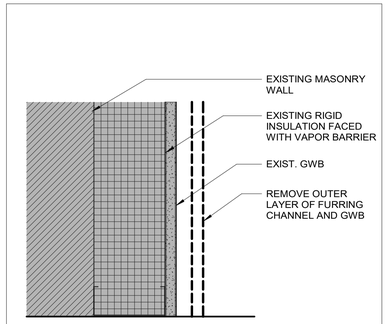
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

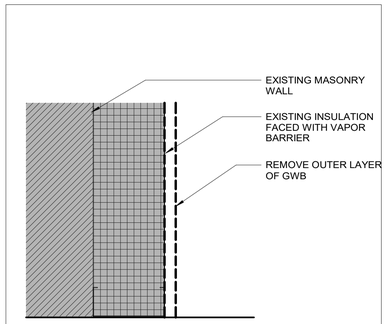
CODE COMPLIANCE PLANS - SECOND - FIFTH FLOORS

PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE:

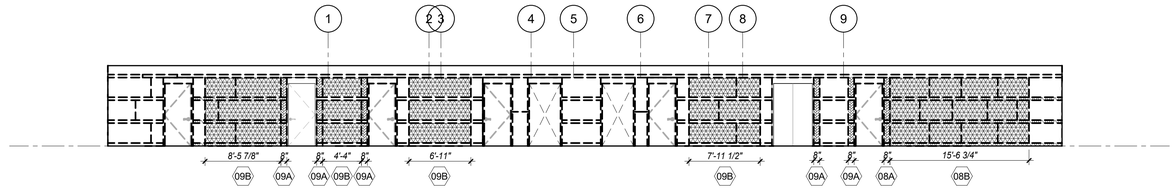
A-001



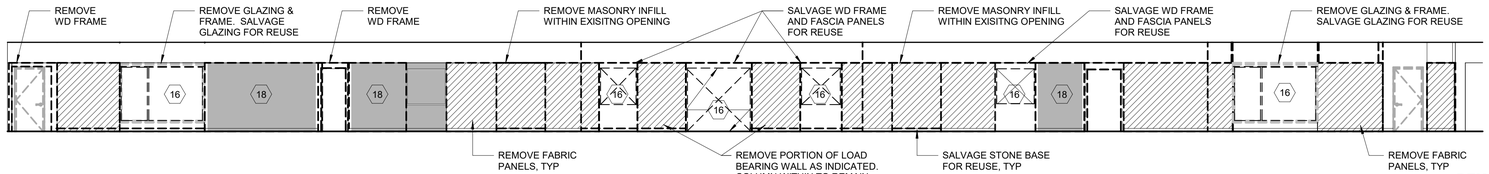
05 **DEMO SECTION - EXIST. PERIMETER WALL**
SCALE: 3" = 1'-0"



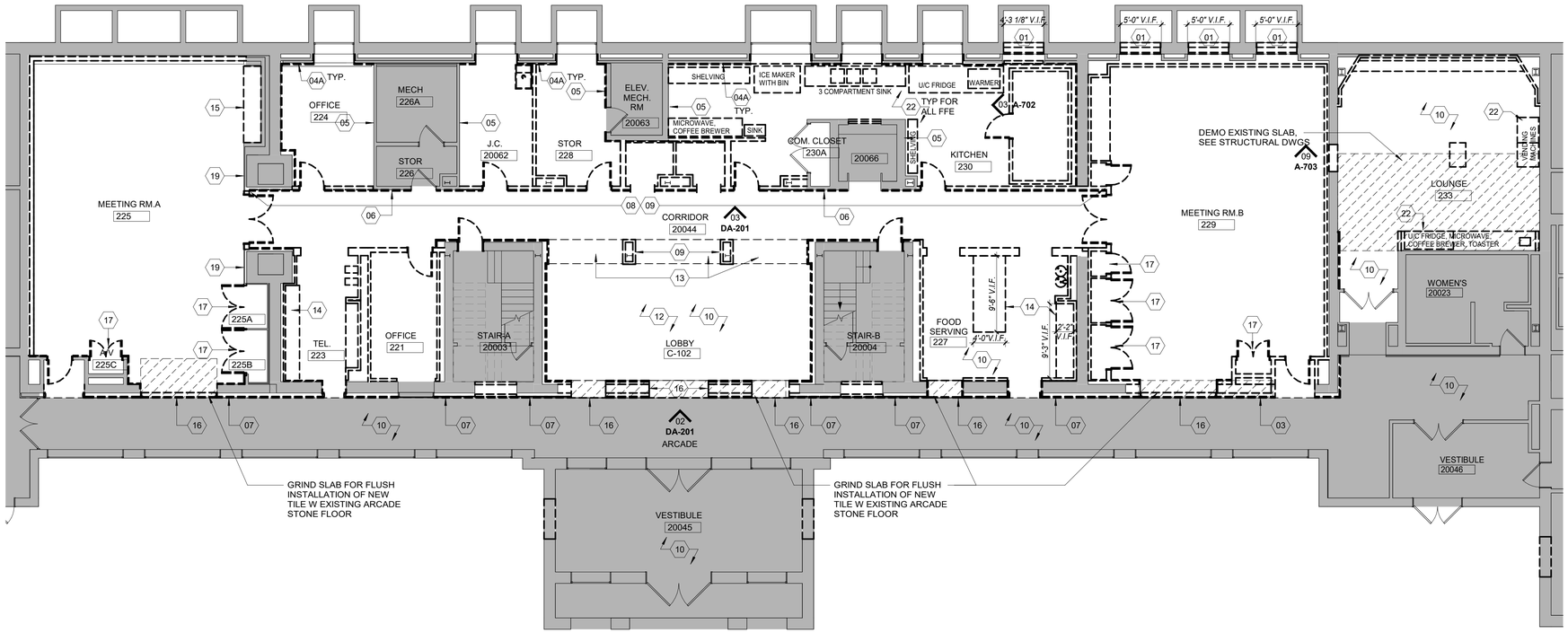
04 **DEMO SECTION - EXIST. PERIMETER WALL-SECOND FL**
SCALE: 3" = 1'-0"



03 **DEMO ELEVATION - SECOND FL CORR. WEST**
SCALE: 1/8" = 1'-0"



02 **DEMOLITION ELEV. - ARCADE EAST**
SCALE: 1/8" = 1'-0"



01 **DEMOLITION PLAN - SECOND FLOOR**
SCALE: 1/8" = 1'-0"

SYMBOLS:

- REMOVE DOOR & FRAME
- WORK TO BE REMOVED (SHOWN IN DASHED LINE)
- WORK TO REMAIN (SHOWN IN SOLID LINE)
- EXIST. CONSTRUCTION/ STRUC & AREA TO REMAIN

GENERAL DEMO NOTES:

1. ANY WALLS, FLOORS, CEILINGS, WINDOWS, DOORS, STAIRS, FICTURE OR FINISHES INDICATED TO REMAIN TO BE FULLY PROTECTED FROM ADJACENT DEMOLITION AND SUBSEQUENT CONSTRUCTION.
2. THE CONTRACTOR SHALL CORRECT ANY VARIATION IN FLOOR ELEVATION CREATED BY THE REMOVAL OF PARTITIONS, WALL, DOORS, THRESHOLDS, EQUIPMENT, ROOFING, OR OTHER ITEMS.
3. REMOVE NOTHING SUSPECTED TO CONTAIN ASBESTOS OR OTHER HAZARDOUS MATERIALS. ADVISE OWNER IF SUCH MATERIALS ARE ENCOUNTERED.
4. WITHIN THE AREA DESIGNATED ON THE DEMOLITION PLAN(S) DEMOLISH, REMOVE AND PROPERLY DISCARD OF ALL GENERAL CONSTRUCTION ITEMS INCLUDING BUT NOT LIMITED TO:
   - A. ALL WALLS AND THEIR ASSOCIATED ANCHORAGES.
   - B. ALL FINISH FLOOR SURFACES AND THEIR ASSOCIATED ANCHORAGES AND SETTING BEDS. EXISTING CONCRETE FILL SHALL REMAIN, UNLESS OTHERWISE NOTED.
   - C. ALL CEILING FINISHES, SOFFITS AND THEIR ASSOCIATED ANCHORAGES.
   - D. ALL BUILT-IN CLOSETS & CABINETS.
   - E. ALL FIXED FURNITURE, FURNISHINGS AND EQUIPMENT, EXCEPT FOR THOSE SPECIFIED OR NOTED TO BE REUSED OR RETURNED TO OWNER.
   - F. ALL DOORS AND ASSOCIATED FRAMES AND HARDWARE.
   - G. ALL MISCELLANEOUS ACCESSORIES INCLUDING SIGNAGE, WALL PANELS, WINDOW SHADES, AND THE LIKE.
   - H. SEE M/E/P/FP/S DRAWINGS FOR EXTENT OF RELATED REMOVALS.
5. REMOVE PAINT FROM ALL EXISITNG COLUMNS, SLABS, WITHIN SCOPE OF WORK.

DEMOLITION KEY NOTES:

01 REMOVE CMU AND STONE PANEL INFILL WITHIN MASONRY OPENING, REFER TO STRUC.

02 REMOVE PORTION OF NON LOAD BEARING MASONRY, REFER TO STRUC.

03 REMOVE PORTION OF LOAD BEARING MASONRY WALL, REFER TO STRUC.

04 AT PERIMETER WALLS, REMOVE OUTER LAYER OF A. GWB FINISH ONLY.
B. GWB FINISH AND FURRING CHANNEL ONLY. PRESERVE INNER LAYER OF GWB.
REFER TO 04&05/DM-201

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08 REMOVE WOOD / STONE PANELS AND STONE BANDING. REFER TO ELEVATIONS.

09 REMOVE STONE / WOOD PANELS AND STONE BANDING AND STORE AND PROTECT DURING CONSTRUCTION FOR REUSE. AS LABLED AND DIMENSIONSED. REFER TO ELEVATIONS.

A. REMOVE, STORE, AND PROTECT FOR REUSE

B. REMOVE AND MODIFY FOR REUSE

10 PROTECT EXISTING STONE FLOORING

11 REMOVE STONE FLOORING DOWN TO STRUCTURAL SLAB

12 REMOVE, STORE AND PROTECT WOOD CEILING AND ITS PARTS NECESSARY FOR REINSTALLATION DURING CONSTRUCTION FOR REUSE. SALVAGED WOOD CEILINGS FROM RECEPTION (323) AND LOBBY (C-102) TO BE REINSTALLED AT ILR HUB (223).

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GENERAL NOTES:

1. PER NOTE 4 ABOVE, REMOVE ALL CONSTRUCTION WITHIN SCOPE OF WORK AREAS U.O.N.
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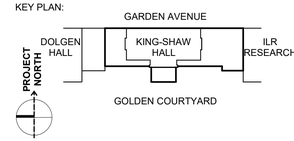


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

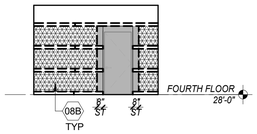
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

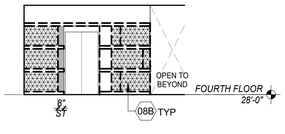
DEMOLITION PLAN - SECOND FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

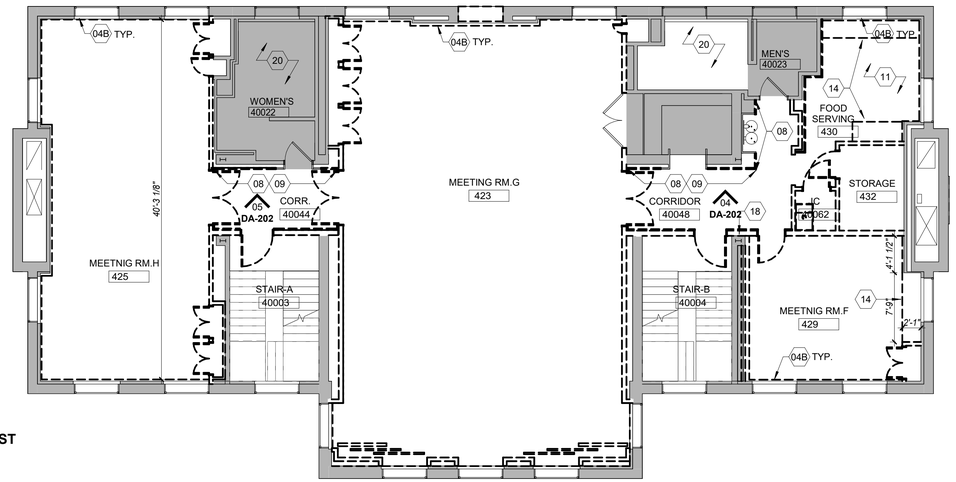
DA-201



05 **DEMO ELEV. - FOURTH FL CORR. 40044 WEST**
SCALE: 1/8" = 1'-0"



04 **DEMO ELEV. - FOURTH FL CORR. 40048 WEST**
SCALE: 1/8" = 1'-0"



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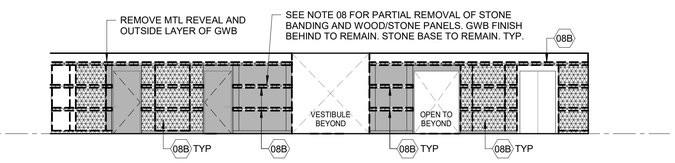
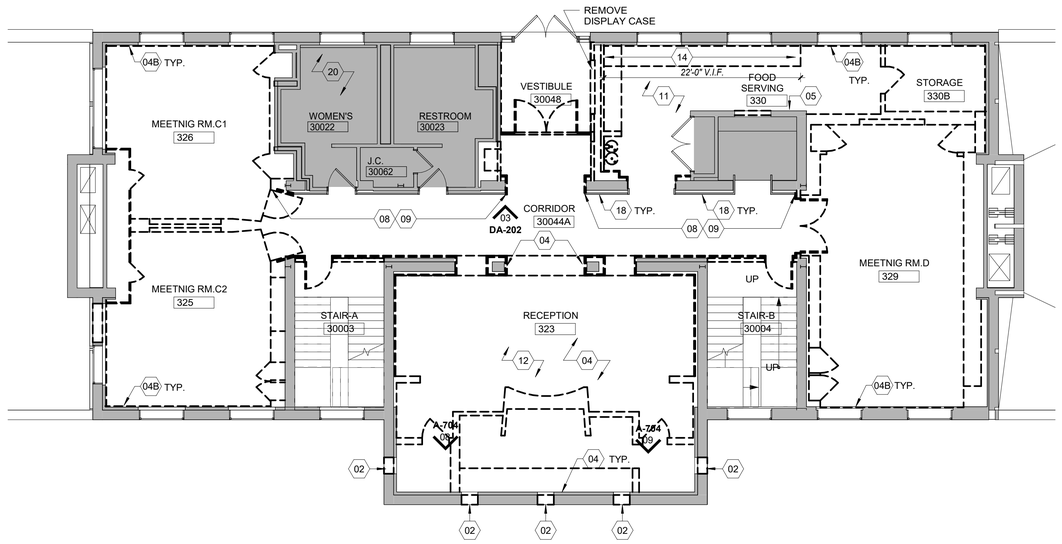
SCALE: 1/8" = 1'-0"



03 **DEMO. ELEV. - THIRD FL CORR. WEST**
SCALE: 1/8" = 1'-0"



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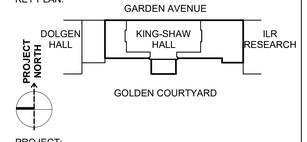


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

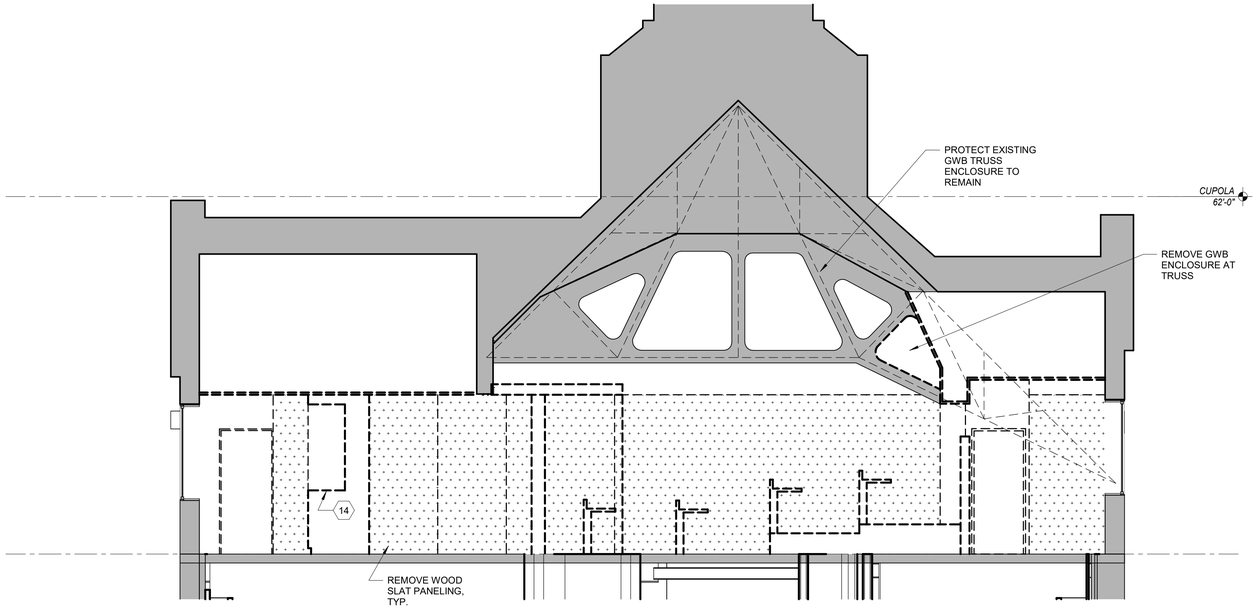
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

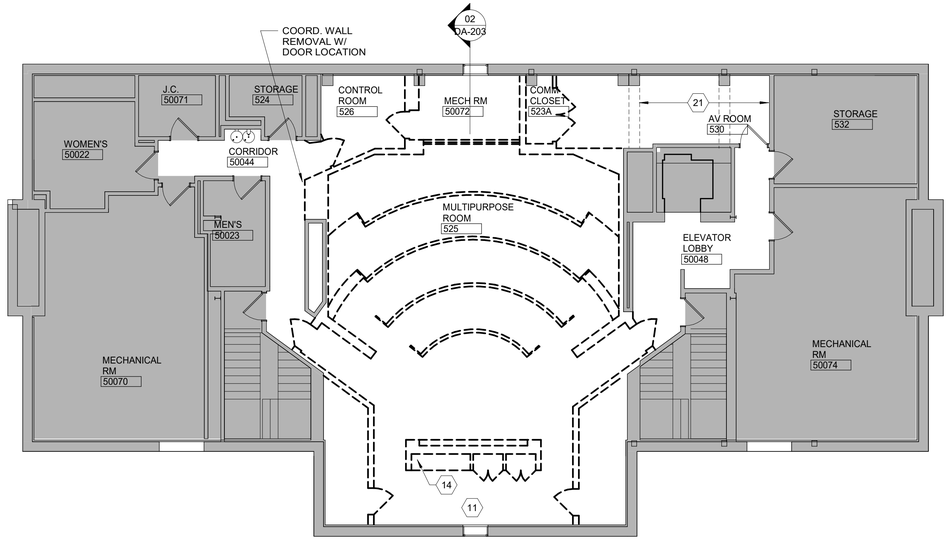
DEMOLITION PLANS - THIRD & FOURTH FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DA-202



02 **DEMOLITION SECTION - FIFTH FLOOR**
SCALE: 1/4" = 1'-0"



01 **DEMOLITION PLAN - FIFTH FLOOR**
SCALE: 1/8" = 1'-0"

SYMBOLS:

- REMOVE DOOR & FRAME
- WORK TO BE REMOVED (SHOWN IN DASHED LINE)
- WORK TO REMAIN (SHOWN IN SOLID LINE)
- EXIST. CONSTRUCTION/ STRUC & AREA TO REMAIN

GENERAL DEMO NOTES:

1. ANY WALLS, FLOORS, CEILINGS, WINDOWS, DOORS, STAIRS, FICTURE OR FINISHES INDICATED TO REMAIN TO BE FULLY PROTECTED FROM ADJACENT DEMOLITION AND SUBSEQUENT CONSTRUCTION.
2. THE CONTRACTOR SHALL CORRECT ANY VARIATION IN FLOOR ELEVATION CREATED BY THE REMOVAL OF PARTITIONS, WALL, DOORS, THRESHOLDS, EQUIPMENT, ROOFING, OR OTHER ITEMS.
3. REMOVE NOTHING SUSPECTED TO CONTAIN ASBESTOS OR OTHER HAZARDOUS MATERIALS. ADVISE OWNER IF SUCH MATERIALS ARE ENCOUNTERED.
4. WITHIN THE AREA DESIGNATED ON THE DEMOLITION PLAN(S) DEMOLISH, REMOVE AND PROPERLY DISCARD OF ALL GENERAL CONSTRUCTION ITEMS INCLUDING BUT NOT LIMITED TO:
   - A. ALL WALLS AND THEIR ASSOCIATED ANCHORAGES.
   - B. ALL FINISH FLOOR SURFACES AND THEIR ASSOCIATED ANCHORAGES AND SETTING BEDS. EXISTING CONCRETE FILL SHALL REMAIN, UNLESS OTHERWISE NOTED.
   - C. ALL CEILING FINISHES, SOFFITS AND THEIR ASSOCIATED ANCHORAGES.
   - D. ALL BUILT-IN CLOSETS & CABINETS.
   - E. ALL FIXED FURNITURE, FURNISHINGS AND EQUIPMENT, EXCEPT FOR THOSE SPECIFIED OR NOTED TO BE REUSED OR RETURNED TO OWNER.
   - F. ALL DOORS AND ASSOCIATED FRAMES AND HARDWARE.
   - G. ALL MISCELLANEOUS ACCESSORIES INCLUDING SIGNAGE, WALL PANELS, WINDOW SHADES, AND THE LIKE.
   - H. SEE M/E/P/FP/S DRAWINGS FOR EXTENT OF RELATED REMOVALS.
5. REMOVE PAINT FROM ALL EXISITNG COLUMNS, SLABS, WITHIN SCOPE OF WORK.

DEMOLITION KEY NOTES:

01 REMOVE CMU AND STONE PANEL INFILL WITHIN MASONRY OPENING, REFER TO STRUC.

02 REMOVE PORTION OF NON LOAD BEARING MASONRY, REFER TO STRUC.

03 REMOVE PORTION OF LOAD BEARING MASONRY WALL, REFER TO STRUC.

04 AT PERIMETER WALLS, REMOVE OUTER LAYER OF A. GWB FINISH ONLY.
B. GWB FINISH AND FURRING CHANNEL ONLY. PRESERVE INNER LAYER OF GWB.
REFER TO 04&05/DM-201

05 WALL TO REMAIN. REMOVE BASE AND REPAIR WALL AS REQUIRED, PATCH HOLES AND SURFACE IMPERFECTIONS AND FINISH SMOOTH EVEN SURFACE

06 REMOVE OUTER LAYER OF GWB FINISH (AND FURRING CHANNEL WHERE APPLICABLE) ONLY, PRESERVE INNER LAYER OF GWB. REFER TO DEMO DETAIL.

07 REMOVE FABRIC / WOOD VENEER WALL PANEL AND ASSOCIATED HARDWARE. REPAIR HOLES AND PRESERVE GWB FINISH BEHIND. REFER TO DEMO ELEVATIONS

08 REMOVE WOOD / STONE PANELS AND STONE BANDING. REFER TO ELEVATIONS.

09 REMOVE STONE / WOOD PANELS AND STONE BANDING AND STORE AND PROTECT DURING CONSTRUCTION FOR REUSE. AS LABLED AND DIMENSIONSED. REFER TO ELEVATIONS.

A. REMOVE, STORE, AND PROTECT FOR REUSE

B. REMOVE AND MODIFY FOR REUSE

10 PROTECT EXISTING STONE FLOORING

11 REMOVE STONE FLOORING DOWN TO STRUCTURAL SLAB

12 REMOVE, STORE AND PROTECT WOOD CEILING AND ITS PARTS NECESSARY FOR REINSTALLATION DURING CONSTRUCTION FOR REUSE. SALVAGED WOOD CEILINGS FROM RECEPTION (323) AND LOBBY (C-102) TO BE REINSTALLED AT ILR HUB (223).

13 REMOVE STONE CEILING PANELS AND SUPPORTS

14 REMOVE QUARTZ TOP AND SIDE SLAB AND UNDERCOUNTER CABINETS, STORE AND SALVAGE FOR MODIFICATION AND REUSE.

15 REMOVE QUARTZ TOP ONLY. PROTECT CABINETS AND SURROUNDING PANELS TO REMAIN.

16 REMOVE, STORE AND MODIFY WINDOW AND OPENING WOOD FASICA AND SURROUND PANELS FOR REUSE

17 REMOVE, STORE OR MODIFY WOOD DOOR AND HARDWARES FOR REUSE

18 PROTECT WALL PANEL DURING CONSTRUCTION

19 FULL HEIGHT WOOD PANELS TO REMAIN. PROTECT PANELS DURING CONSTRUCTION.

20 REMOVE AND PROTECTED CEILINGS; TO BE RE-INSTALLED

21 REMOVE DAMAGED CEILING TILES

22 REMOVE FFE AND RETURN TO OWNER

GENERAL NOTES:

1. PER NOTE 4 ABOVE, REMOVE ALL CONSTRUCTION WITHIN SCOPE OF WORK AREAS U.O.N.
2. RETURN ALL AV EQUIPMENT TO OWNER

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ISSUE/REVISION:

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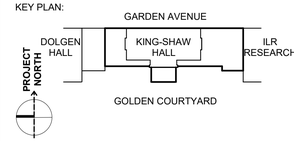


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

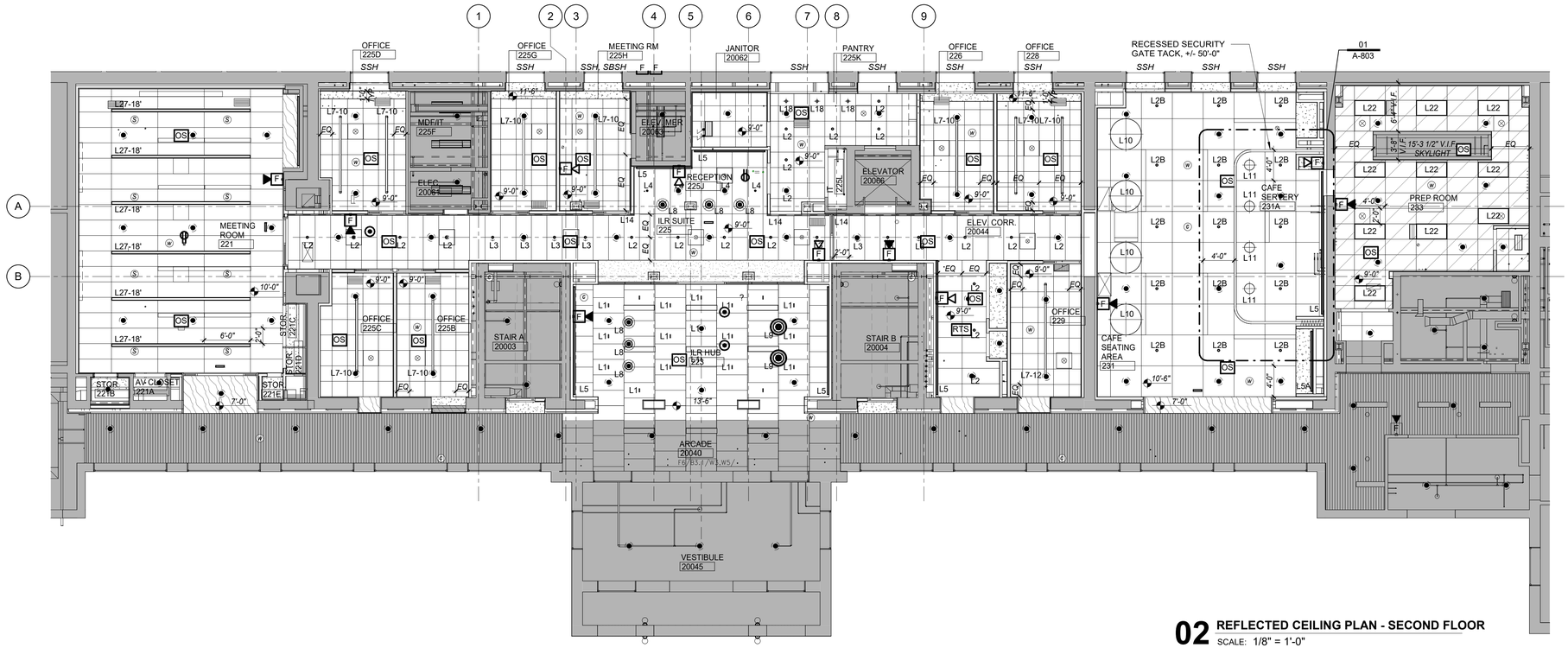
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - FIFTH FLOOR

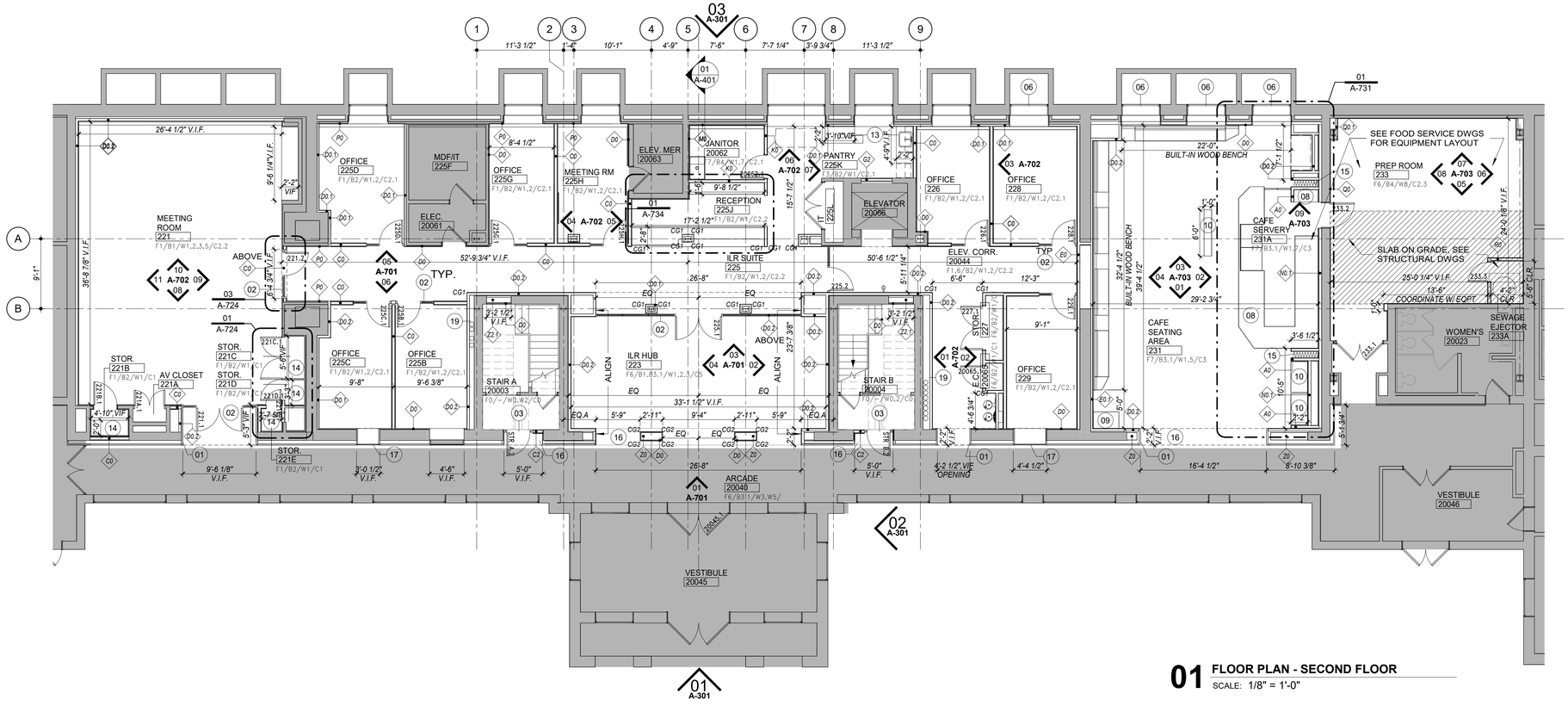
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

DA-203



02 REFLECTED CEILING PLAN - SECOND FLOOR

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



01 FLOOR PLAN - SECOND FLOOR

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

LEGEND

- EXISTING WALL
- EXISTING AREA NIC
- NEW WALL
- GLAZED METAL PARTITION SYSTEM, TYPE VARIES
- CG1, CG2 CORNER GUARD, SEE DETAILS
- PTD GWB
- ACOUSTIC BD
- 2' x2' ACT
- 2' x4' ACT (SCRUBBABLE)
- 2' x4' ACT
- 4' x4' ACT
- 2' x5' ACT
- 2' x6' ACT
- WOOD CEILING PANEL
- REPURPOSED WOOD PANEL
- RECESSED DOWNLIGHT
- SECURITY CAMERA
- RECESSED WALL WASHER
- WIRELESS ACCESS POINT
- DECORATIVE PENDANT
- OS OCCUPANCY SENSOR
- PERIMETER WALLGRAZER
- S SPEAKER
- LINEAR FIXTURE
- CONT. WALL MOUNTED UPLIGHT
- WALL MOUNTED UPLIGHT
- SSH SOLAR SHADE
- SBSH BLACKOUT SHDE

FINISH SCHEDULE

FLOOR
- F0 CLEAN EXISTING
- F1 CARPET TILE
- F2 ENTRANCE FLOOR MAT
- F3 RUBBER TILE
- F4 NOT USED
- F5 STONE PANEL
- F6 CLEAN EXISTING STONE FLOOR
- F7 PORCELAIN TILE

BASE
- B0 NO BASE
- B1 WOOD
- B2 RUBBER
- B3.1 BLUESTONE TILE
- B3.2 LIMESTONE TILE
- B4 CERAMIC TILE

WALL
- W0 CLEAN EXISTING
- W1 PTD GYP BD
- W2 ARCH WALL SYSTEM
- W3 FABRIC PANEL
- W4 STONE PANELS
- W5 WOOD VENEER PANELS
- W6 NOT USED
- W7 CERAMIC TILE
- W8 FIBERGLASS REINF. PLASTIC PANEL

CEILING
- C0 NO CEILING
- C1 PTD GYP BD
- C2.1 ACT
- C2.2 ACT PLANK
- C2.3 ACT SCRUBBABLE
- C3 LARGE FORMAT ACOUSTIC PANEL
- C4 WOOD CEILING PANEL
- C5 REPURPOSED WOOD PANEL
- C6 ACOUSTICAL FINISHING SYSTEM

KEY NOTES:

01 WOOD PANEL FRAMED OPENING
02 GLAZED METAL PART SYSTEM W/ GLASS DOOR. SEE ELEVATIONS FOR GLASS TYPES AND PRIVACY FILM TYPES.
03 FIRE RATED WOOD DOOR. SEE 10/A-704 FOR ADD. ALT#2 SCOPE - FIRE RATED GLASS DOOR
04 FIRE RATED GLASS WALL SYSTEM
05 ALUM-FRAMED STOREFRONT DOOR W/ SIDELITE
06 ALUM-FRAMED WINDOW
07 LOCKABLE DISPLAY PIVOT DOORS
08 S.S. CABINET AND SHELVES W/ QUARTZ COUNTERTOP, AND QUARTZ & PORCELAIN TILE FASCIA
09 P.LAM MILLWORK W/ QUARTZ COUNTERTOP
10 MOBILE P.LAM MILLWORK W/ QUARTZ COUNTERTOP, LOCKABLE WHEEL
11 REFURBISHED QUARTZTOP
12 REINSTALL EXISTING CEILING
13 WOOD VENEER CABINETS W/ REFURBISHED QUARTZ COUNTERTOP
14 ADJUSTABLE WOOD VENEER SHELVING ON MTL STANDARDS, SEE DTL 04/A-730
15 SECURITY GATE ON TRACK
16 BLUESTONE SILL, SEE FLOOR FINISH PLANS
17 WOOD FRAMED WINDOW. SEE ELEVATION.& DETAIL
18
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KEY PLAN:

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

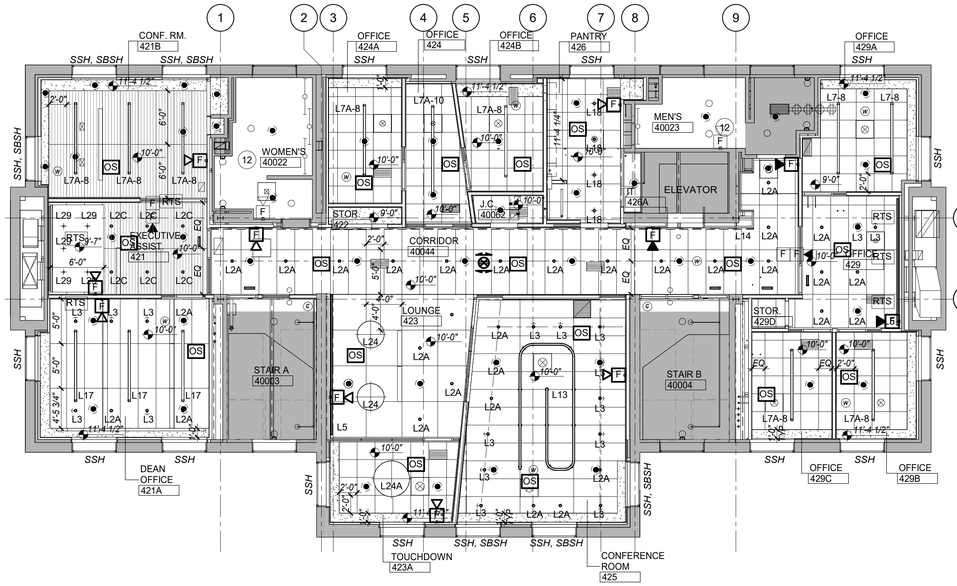
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN AND REFLECTED CEILING PLAN - SECOND FLOOR

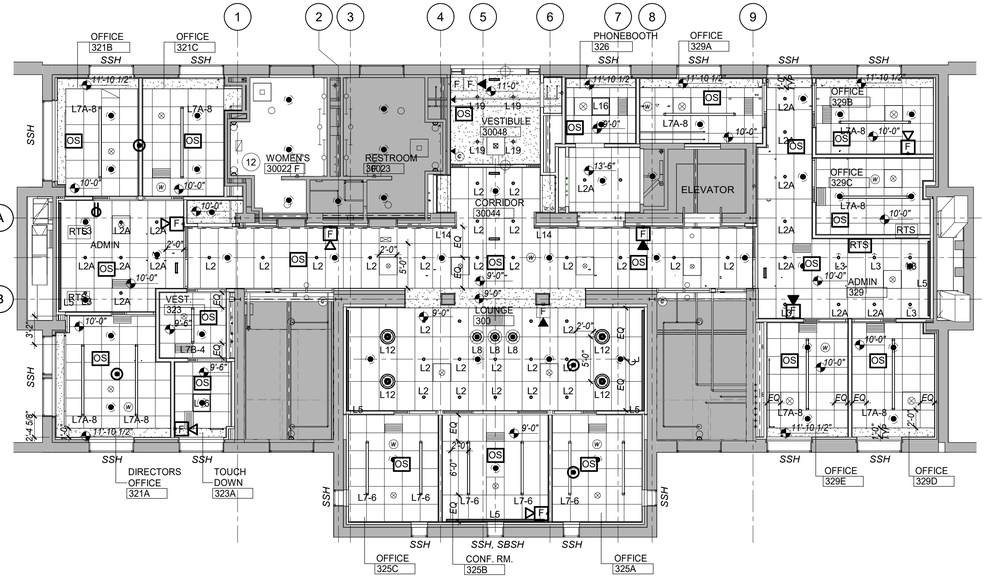
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

A-201



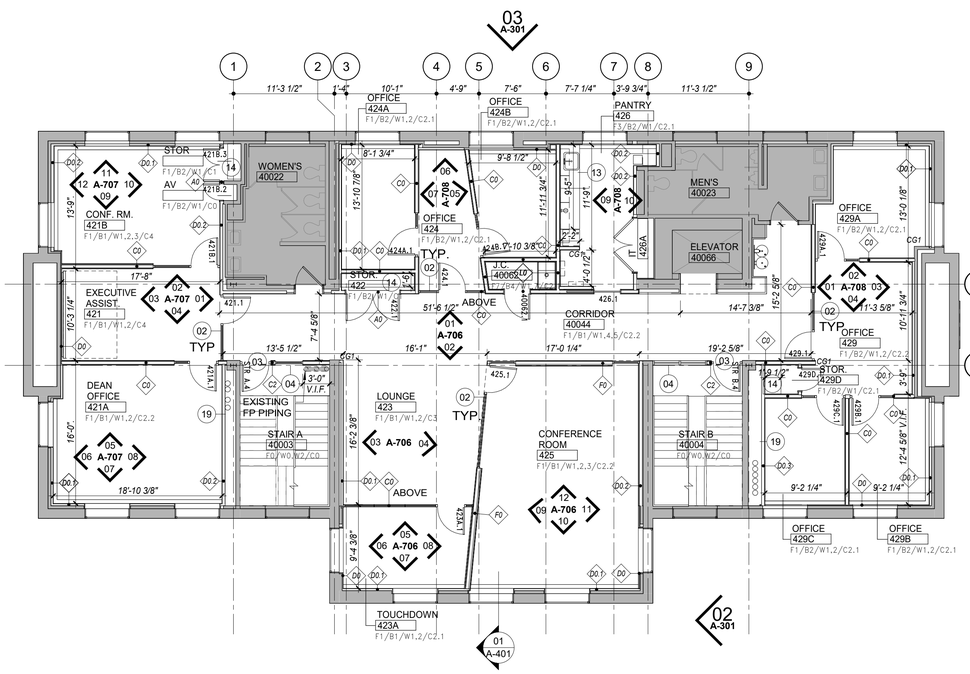
04 REFLECTED CEILING PLAN - FOURTH FLOOR

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



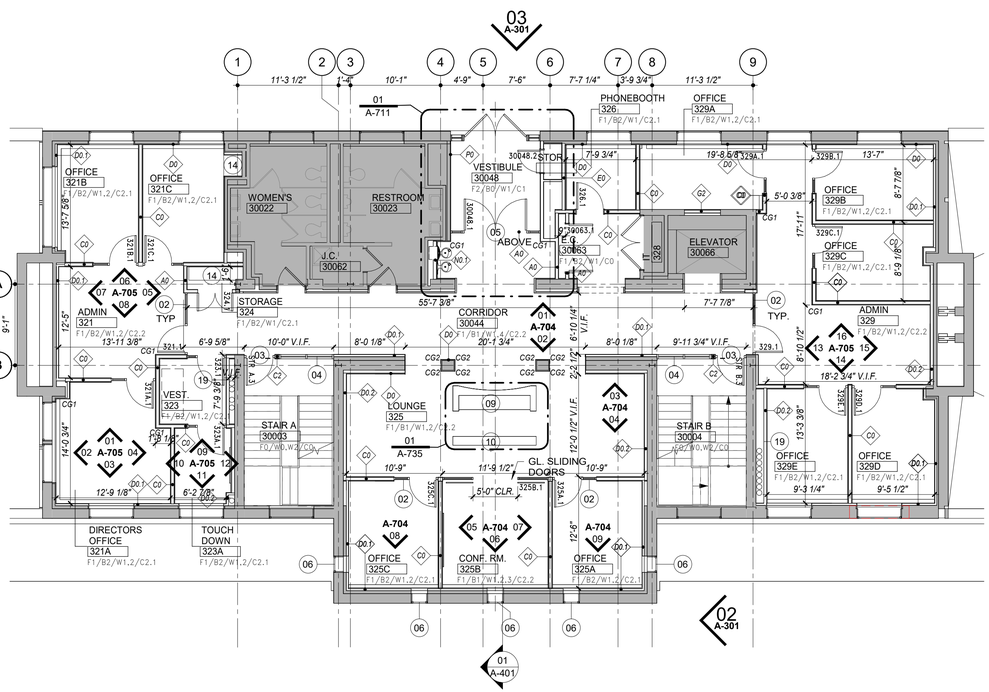
03 REFLECTED CEILING PLAN - THIRD FLOOR

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



02 FLOOR PLAN - FOURTH FLOOR

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



01 FLOOR PLAN - THIRD FLOOR

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

LEGEND

- EXISTING WALL
- EXISTING AREA NIC
- NEW WALL
- GLAZED METAL PARTITION SYSTEM, TYPE VARIES
- CG1, CG2 — CORNER GUARD, SEE DETAILS
- PTD GWB
- ACOUSTIC BD
- 2' x2' ACT
- 2' x4' ACT (SCRUBBABLE)
- 2' x4' ACT
- 4' x4' ACT
- 2' x5' ACT
- 2' x6' ACT
- WOOD CEILING PANEL
- REPURPOSED WOOD PANEL
- RECESSED DOWNLIGHT
- SECURITY CAMERA
- RECESSED WALL WASHER
- WIRELESS ACCESS POINT
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- OCCUPANCY SENSOR
- PERIMETER WALLGRAZER
- SPEAKER
- LINEAR FIXTURE
- CONT. WALL MOUNTED UPLIGHT
- WALL MOUNTED UPLIGHT
- SSH — SOLAR SHADE
- SBSH — BLACKOUT SHDE

FINISH SCHEDULE

FLOOR
- F0 CLEAN EXISTING
- F1 CARPET TILE
- F2 ENTRANCE FLOOR MAT
- F3 RUBBER TILE
- F4 NOT USED
- F5 STONE PANEL
- F6 CLEAN EXISTING STONE FLOOR
- F7 PORCELAIN TILE

BASE
- B0 NO BASE
- B1 WOOD
- B2 RUBBER
- B3.1 BLUESTONE TILE
- B3.2 LIMESTONE TILE
- B4 CERAMIC TILE

WALL
- W0 CLEAN EXISTING
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- W2 ARCH WALL SYSTEM
- W3 FABRIC PANEL
- W4 STONE PANELS
- W5 WOOD VENEER PANELS
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- W7 CERAMIC TILE
- W8 FIBERGLASS REINF. PLASTIC PANEL

CEILING
- C0 NO CEILING
- C1 PTD GYP BD
- C2.1 ACT
- C2.2 ACT PLANK
- C2.3 ACT SCRUBBABLE
- C3 LARGE FORMAT ACOUSTIC PANEL
- C4 WOOD CEILING PANEL
- C5 REPURPOSED WOOD PANEL
- C6 ACOUSTICAL FINISHING SYSTEM

KEY NOTES:

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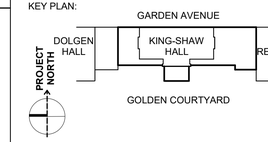


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

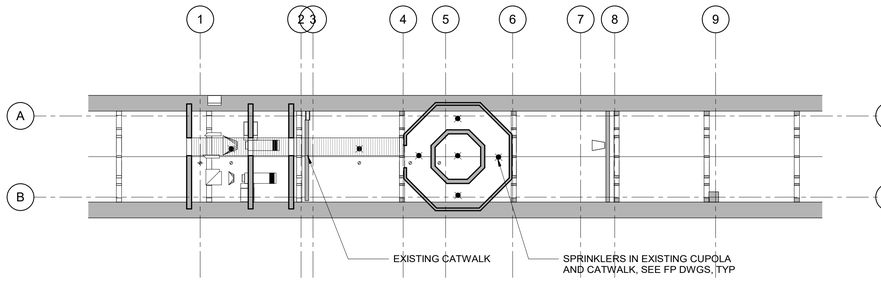
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

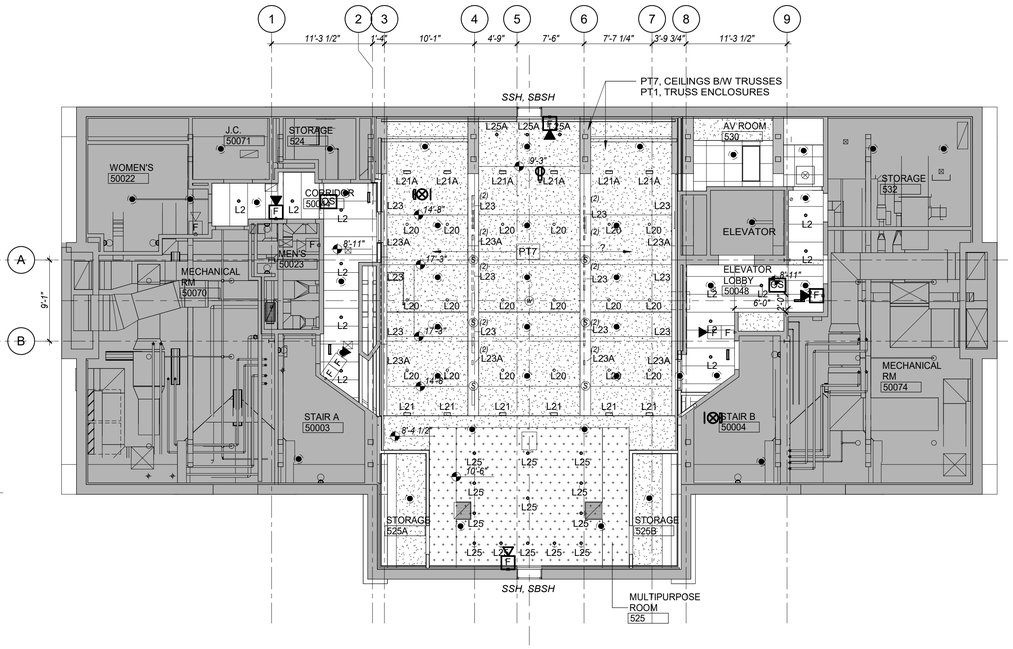
FLOOR PLANS AND REFLECTED CEILING PLANS - THIRD & FOURTH FLOOR

PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1/8" = 1'-0"

A-202



04 REFLECTED CEILING PLAN - UPOLA
SCALE: 1/8" = 1'-0"



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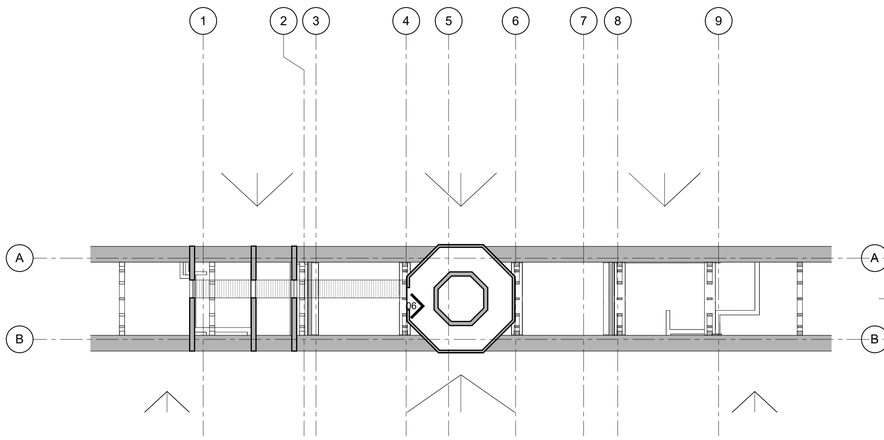
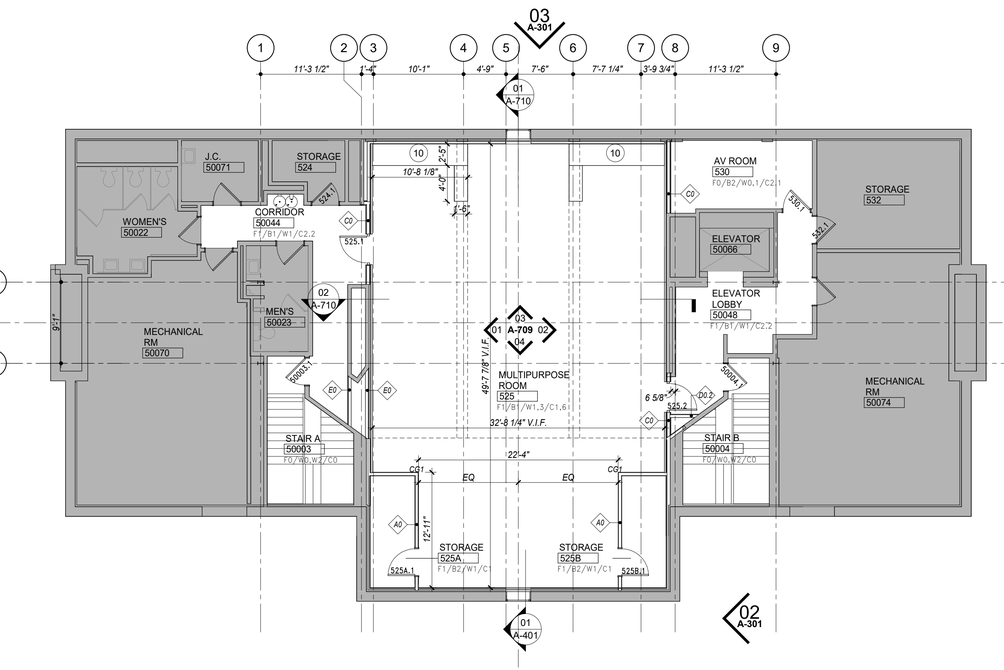


03 FLOOR PLAN - CUPOLA
SCALE: 1/8" = 1'-0"



01 FLOOR PLAN - FIFTH FLOOR
SCALE: 1/8" = 1'-0"

LEGEND

- EXISTING WALL
- EXISTING AREA NIC
- NEW WALL
- GLAZED METAL PARTITION SYSTEM, TYPE VARIES
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- PTD GWB
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- REPURPOSED WOOD PANEL
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- RECESSED WALL WASHER
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- CONT. WALL MOUNTED UPLIGHT
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FINISH SCHEDULE

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F1 CARPET TILE
F2 ENTRANCE FLOOR MAT
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F4 NOT USED
F5 STONE PANEL
F6 CLEAN EXISTING STONE FLOOR
F7 PORCELAIN TILE

BASE
B0 NO BASE
B1 WOOD
B2 RUBBER
B3.1 BLUESTONE TILE
B3.2 LIMESTONE TILE
B4 CERAMIC TILE

WALL
W0 CLEAN EXISTING
W1 PTD GYP BD
W2 ARCH WALL SYSTEM
W3 FABRIC PANEL
W4 STONE PANELS
W5 WOOD VENEER PANELS
W6 NOT USED
W7 CERAMIC TILE
W8 FIBERGLASS REINF. PLASTIC PANEL

CEILING
C0 NO CEILING
C1 PTD GYP BD
C2.1 ACT
C2.2 ACT PLANK
C2.3 ACT SCRUBBABLE
C3 LARGE FORMAT ACOUSTIC PANEL
C4 WOOD CEILING PANEL
C5 REPURPOSED WOOD PANEL
C6 ACOUSTICAL FINISHING SYSTEM

KEY NOTES:

01 WOOD PANEL FRAMED OPENING
02 GLAZED METAL PART SYSTEM W/ GLASS DOOR. SEE ELEVATIONS FOR GLASS TYPES AND PRIVACY FILM TYPES.
03 FIRE RATED WOOD DOOR. SEE 10/A-704 FOR ADD. ALT#2 SCOPE - FIRE RATED GLASS DOOR
04 FIRE RATED GLASS WALL SYSTEM
05 ALUM-FRAMED STOREFRONT DOOR W/ SIDELITE
06 ALUM-FRAMED WINDOW
07 LOCKABLE DISPLAY PIVOT DOORS
08 S.S. CABINET AND SHELVES W/ QUARTZ COUNTERTOP, AND QUARTZ & PORCELAIN TILE FASCIA
09 P.LAM MILLWORK W/ QUARTZ COUNTERTOP
10 MOBILE P.LAM MILLWORK W/ QUARTZ COUNTERTOP, LOCKABLE WHEEL
11 REFURBISHED QUARTZTOP
12 REINSTALL EXISTING CEILING
13 WOOD VENEER CABINETS W/ REFURBISHED QUARTZ COUNTERTOP
14 ADJUSTABLE WOOD VENEER SHELVING ON MTL STANDARDS, SEE DTL 04/A-730
15 SECURITY GATE ON TRACK
16 BLUESTONE SILL, SEE FLOOR FINISH PLANS
17 WOOD FRAMED WINDOW. SEE ELEVATION.& DETAIL
18
19 V.I.F. CLEARANCE FOR EXISTING PIPING

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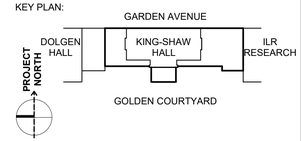
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

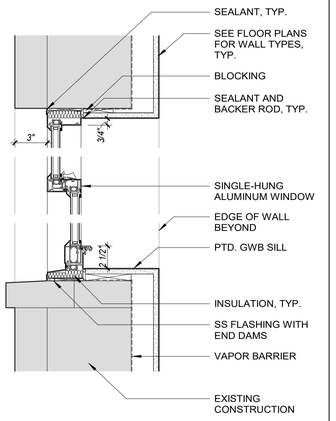
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

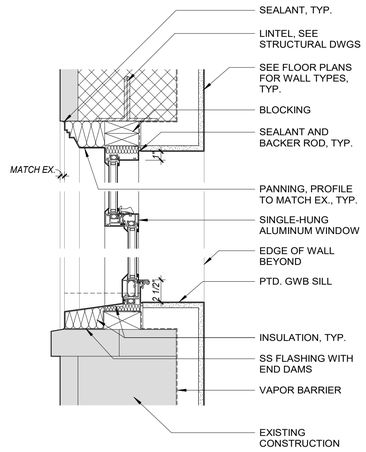
FLOOR PLAN AND REFLECTED CEILING PLAN - FIFTH FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

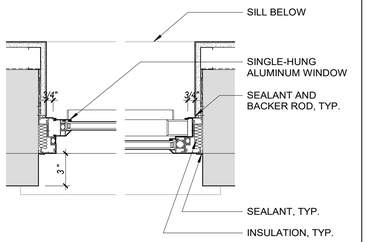
A-203



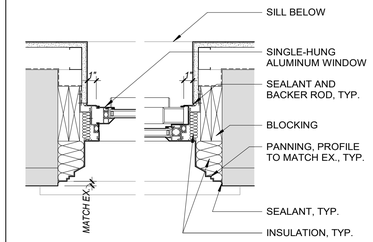
07 SECTION - SINGLE HUNG WINDOW 3RD FL
SCALE: 1 1/2" = 1'-0"



06 SECTION - SINGLE HUNG WINDOW 2ND FL
SCALE: 1 1/2" = 1'-0"

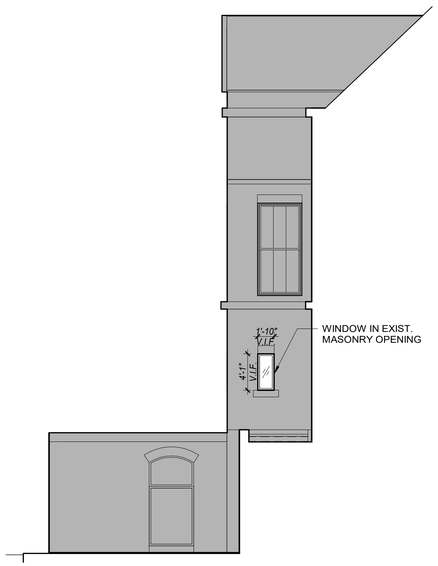


05 PLAN - SINGLE HUNG WINDOW 3RD FL
SCALE: 1 1/2" = 1'-0"



04 PLAN - SINGLE HUNG WINDOW 2ND FL
SCALE: 1 1/2" = 1'-0"

03 EXTERIOR PARTIAL ELEVATION - EAST
SCALE: 1/8" = 1'-0"



02 PARTIAL EXTERIOR ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"

01 EXTERIOR ELEVATION - WEST
SCALE: 1/8" = 1'-0"

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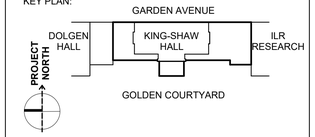


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

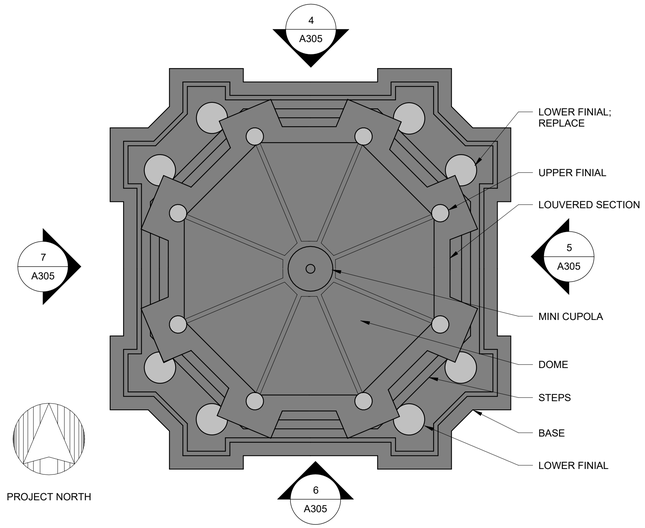
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

EXTERIOR ELEVATIONS AND DETAILS

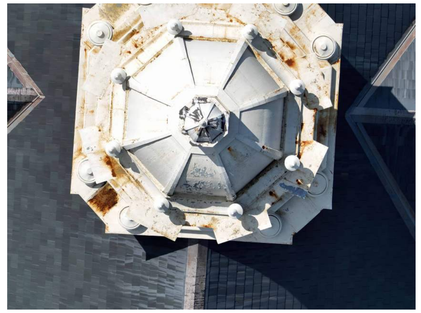
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-301



NOTE: PLAN SHOWN SCHEMATICALLY. PLAN BASED ON PHOTOGRAPHS AND SCHEMATIC ELEVATION DRAWING. VERIFY ALL DIMENSIONS IN FIELD.

1 CUPOLA - PLAN
NTS



2 PHOTO - TOP VIEW
NTS

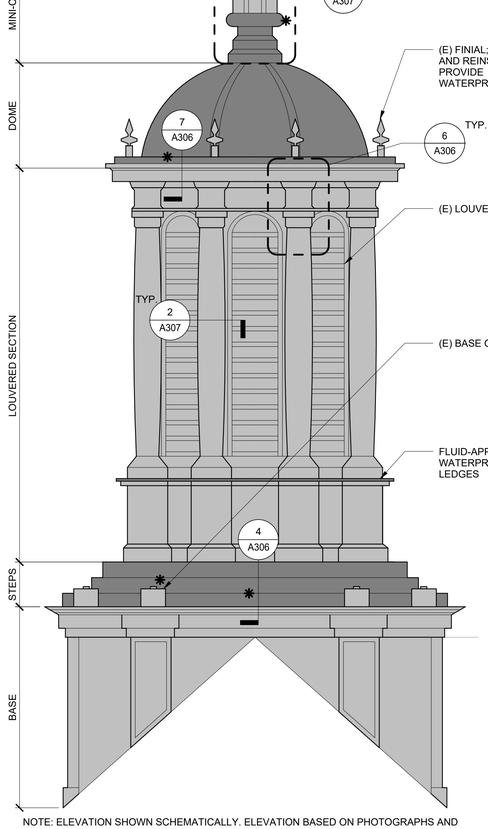
3 PHOTO - FRONT VIEW
NTS

LEGEND

- ✱ APPROX. LOCATION OF DAMAGE, VIF
- PAINT
- FLUID-APPLIED WATERPROOFING

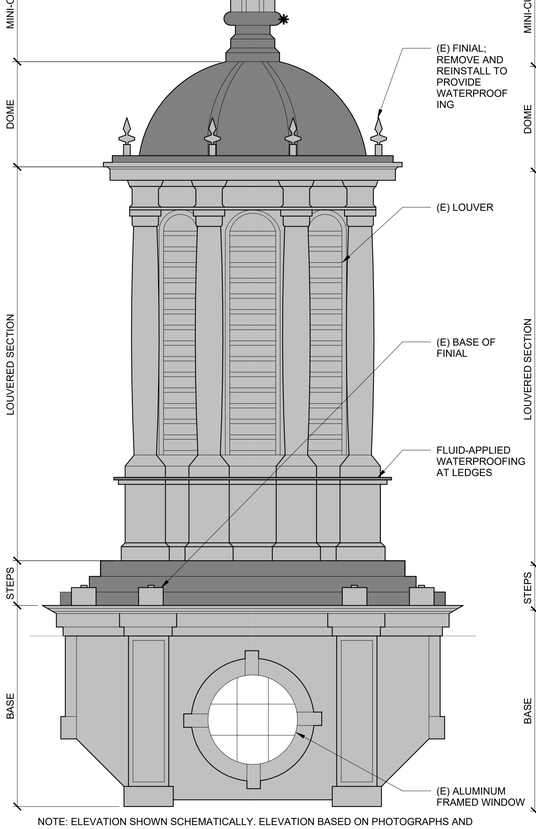
SCOPE OF WORK

1. GENERAL:
   1. RESECURE METAL AT SEAMS; SEE 2/A306 FOR FASTENING DETAIL.
   2. REPLACE ADDITIONAL DAMAGED METAL INCLUDING METAL WITH PITTING OR HOLES. FOR BASE BID, INCLUDE 5 ADDITIONAL SQ FT OF METAL REPLACEMENT. ASSUME DECORATIVE.
   3. REPLACE DAMAGED WOOD BELOW THE METAL CLADDING. AS NECESSARY, REMOVE AND REINSTALL METAL CLADDING TO COMPLETE REPLACEMENT. ASSUME 20 SQ FT OF WOOD REPLACEMENT IN MULTIPLE AREAS.
   4. REMOVE AND REPLACE ANY SEALANT BETWEEN COMPONENTS, INCLUDING PERIMETER SEALANT AROUND WINDOWS AND LOUVERS. INCLUDE 250 LF OF SEALANT REPLACEMENT IN BASE BID. SEE 1/A306 FOR TYPICAL DETAIL.
2. MINI-CUPOLA REPAIRS:
   1. REMOVE AND REPLACE MINI-CUPOLA DOME.
   2. REMOVE AND REINSTALL CENTER OF MINI-CUPOLA
   3. REMOVE AND REPLACE THE BASE AND THE TOP TWO ROLLED SECTIONS.
3. DOME REPAIRS:
   1. REMOVE AND REPLACE DAMAGED SECTIONS OF THE UPPER CORNICE PIECE; ASSUME TWO SECTIONS FOR BASE BID.
   2. REMOVE AND REINSTALL FINIALS TO PROVIE CONTINUOUS WATERPROOFING BELOW.
4. LOUVERED SECTION:
   1. REMOVE AND REPLACE DAMAGED COLUMN CAPITAL; ASSUME ONE CAPITAL FOR BASE BID.
   2. REMOVE (E) SCREEN ON INTERIOR AND PROVIDE PAINTED METAL BACK PANEL. PROVIDE PERIMETER SEALANT AND INTEGRATE WITH (E) METAL AT SILL.
5. STEPS:
   1. REMOVE AND REPLACE DAMAGED SCTIONS AT THE STEPS AND LOWER ROOF EDGE; ASSUME TWO ROOF EDGE SECTIONS AND FIVE ROLLED STEPPED TRIM AND RETURNS.
6. BASE:
   1. REPLACE MISSING APPLIED MUNTIN AT WEST ELEVATON WINDOW. ADHERED WITH VHB TAPE.
   2. PROVIDE FINIALS TO REPLICATE ORIGINAL; ASSUME SIMILAR TO (E) DOME LEVEL FINIALS. SEE 4/A307 FOR HISTORIC PHOTO.
7. COATINGS:
   1. SURFACE PREPARATION: REMOVE ALL EXISTING COATING FROM ALL SURFACES. PROVIDE MANUFACTURERS RECOMMENDED SURFACE PREPARATION INCLUDING REMOVAL OF METAL OXIDE, PRIOR TO PAINT APPLICATION.
   2. FLUID-APPLIED WATERPROOFING: PROVIDE REINFORCED FLUID-APPLIED WATERPROOFING SYSTEM ON SURFACES INDICATED. PROVIDE COMPATIBLE PAINT TO COVER OVER THE WATERPROOFING TO PROVIDE A UNIFORM APPEARANCE. SEE 3/A306 FOR TYPICAL DETAIL.
   3. PAINT: PROVIDE THREE COAT PAINT SYSTEM INCLUDING PRIMER, INTERMEDIATE COAT WITH EMBEDDED MESH AT METAL CLADDING JOINTS, AND TWO FINISH COATS. SEE 4/A306 FOR TYPICAL DETAIL.



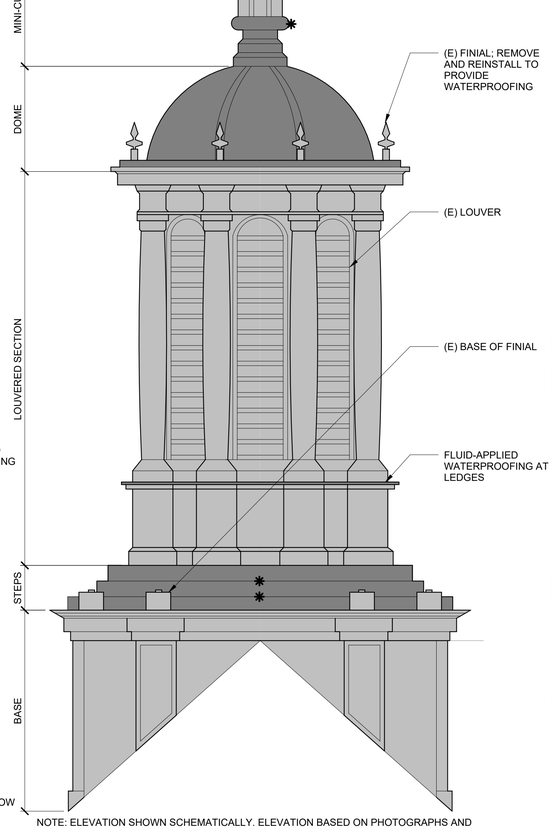
NOTE: ELEVATION SHOWN SCHEMATICALLY. ELEVATION BASED ON PHOTOGRAPHS AND SCHEMATIC ELEVATION DRAWING. VERIFY ALL DIMENSIONS IN FIELD.

4 CUPOLA - NORTH ELEVATION
NTS



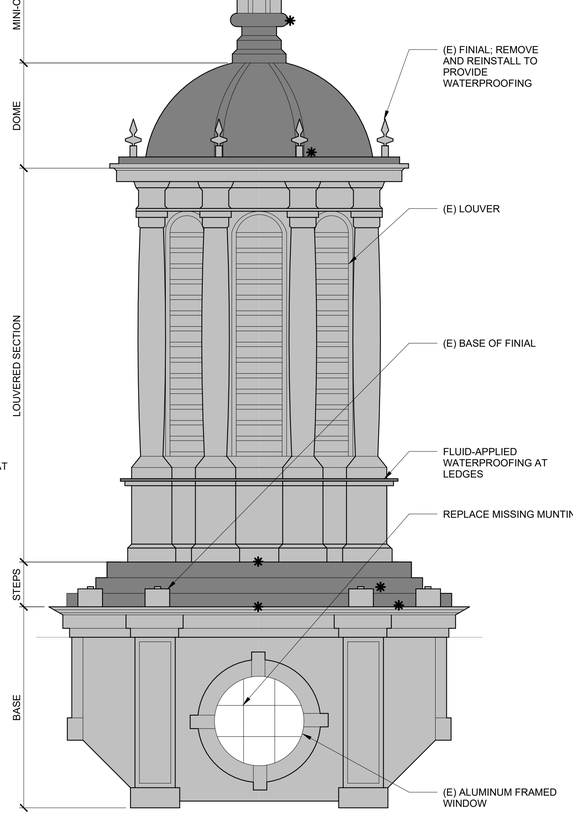
NOTE: ELEVATION SHOWN SCHEMATICALLY. ELEVATION BASED ON PHOTOGRAPHS AND SCHEMATIC ELEVATION DRAWING. VERIFY ALL DIMENSIONS IN FIELD.

5 CUPOLA - EAST ELEVATION
NTS



NOTE: ELEVATION SHOWN SCHEMATICALLY. ELEVATION BASED ON PHOTOGRAPHS AND SCHEMATIC ELEVATION DRAWING. VERIFY ALL DIMENSIONS IN FIELD.

6 CUPOLA - SOUTH ELEVATION
NTS



NOTE: ELEVATION SHOWN SCHEMATICALLY. ELEVATION BASED ON PHOTOGRAPHS AND SCHEMATIC ELEVATION DRAWING. VERIFY ALL DIMENSIONS IN FIELD.

7 CUPOLA - WEST ELEVATION
NTS

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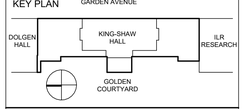
KEY PLAN



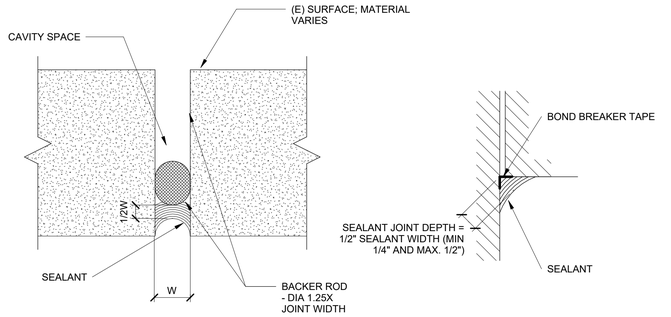
Project:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

Drawing Title:
CUPOLA PLAN AND ELEVATIONS

ADD ALT #1

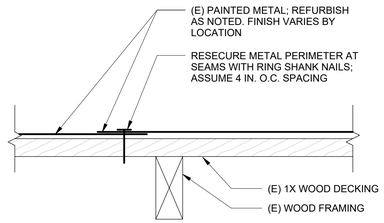
PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

A305

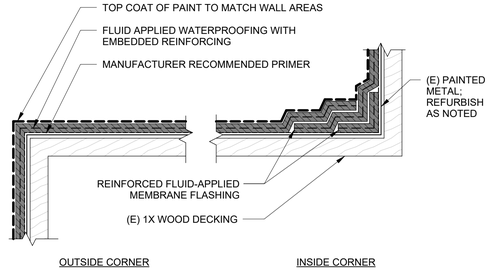


NOTES:
1. REMOVE ALL (E) SEALANTS AND BACKUP MATERIALS.
2. INSTALL BACKER ROD SUCH THAT SEALANT DEPTH (D) EQUALS 1/2W, TO A MAXIMUM DEPTH OF 1/2", MIN. DEPTH OF 1/4".
3. NOTIFY ENGINEER IF JOINTS LESS THAN 1/2" OR GREATER THAN 1" ENCOUNTERED TO GET CRITERIA.

1 TYPICAL SEALANT JOINT
NTS

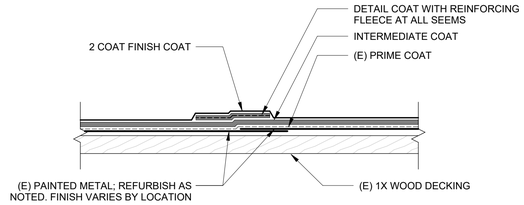


2 TYPICAL FASTENER REPAIR
NTS



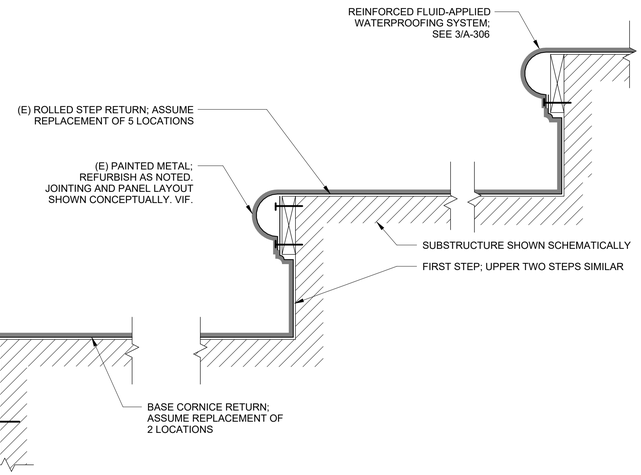
NOTE: INDIVIDUAL REINFORCED FLUID-APPLIED LAYERS ONLY SHOWN IN TYPICAL DETAIL FOR CLARITY.

3 TYPICAL FLUID APPLIED WATERPROOFING
NTS



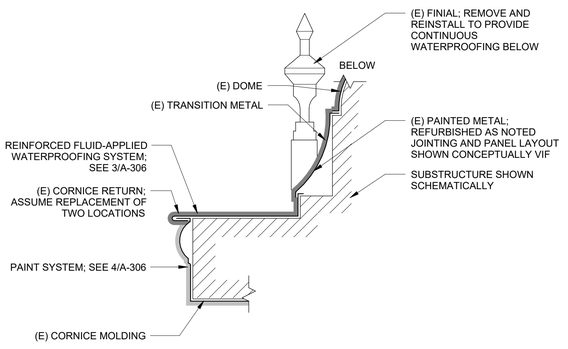
NOTE: INDIVIDUAL REINFORCED FLUID-APPLIED LAYERS ONLY SHOWN IN TYPICAL DETAIL FOR CLARITY.

4 TYPICAL PAINT SYSTEM AT METAL SEAM
NTS



5 STEPPED ROOF
NTS

6 COLUMN CAPITAL
NTS



7 DOME CORNICE
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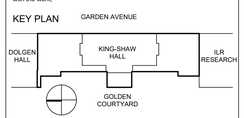


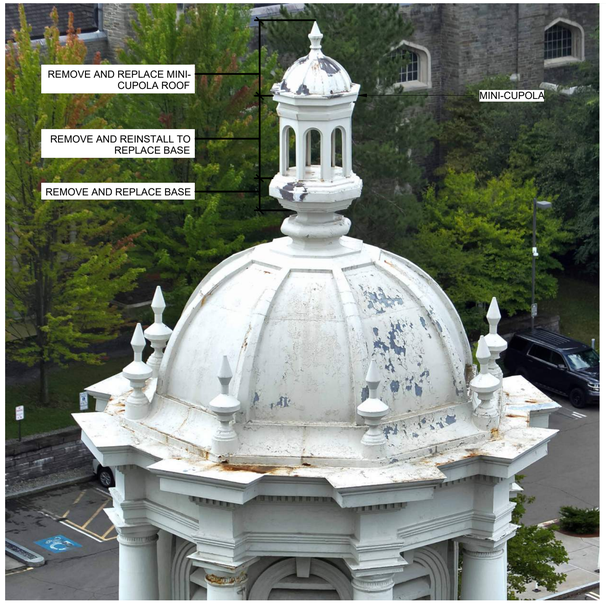
Project:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

Drawing Title:
CUPOLA DETAILS

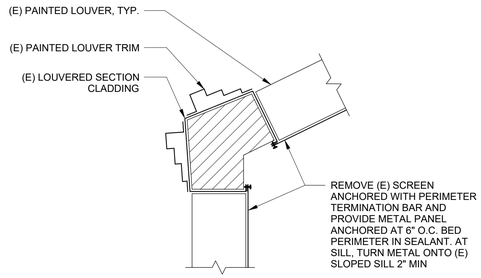
ADD ALT #1

PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

A306

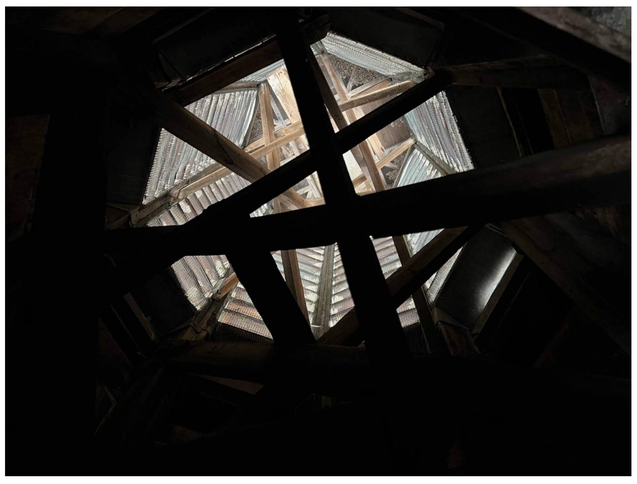


1 MINI-CUPOLA
NTS

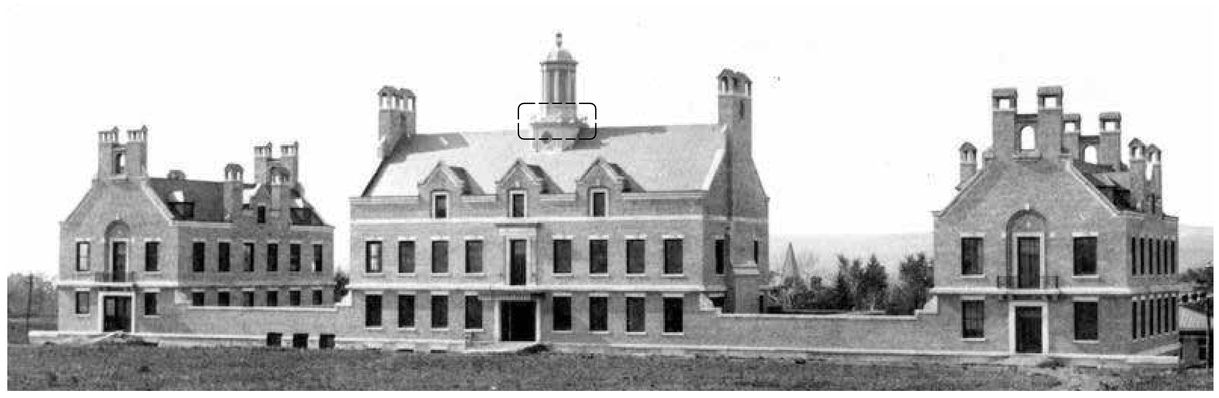


NOTE: 1. LOUVER JAMB SHOWN; HEAD AND SILL SIMILAR
2. PAINT ALL SURFACES
3. INTERIOR ACCESS REQUIRES CLIMBING BETWEEN FRAMING. SEE 3/A-307

2 LOUVER PANEL
NTS



3 CUPOLA INTERIOR
NTS



NOTE: PROVIDE REPLACEMENT FINIAL AS SHOWN IN HISTORIC PHOTO - 8 LOCATIONS. MATCH GENERAL PROFILE OF (E) UPPER FINIAL

4 REPLACEMENT FINIAL
NTS

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Simpson Gumpertz & Heger Associates, Inc (SGH)
800 Boylston St, Suite 2320
Boston, MA 02199

LIGHTING DESIGN
Cline Bettridge Bernstein Lighting Design
116 East 27th Street, 4th Floor
New York, NY 10016
(212) 741-3280

AUDIOVISUAL, IT, SECURITY
Cerami Associates
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New York, NY 10018
(212) 370-1776

ACOUSTICS
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New York, NY 10036
(212) 370-1776

FOOD SERVICE
Jacobs Doland Beer
192 Lexington Avenue, Suite 804
New York, NY 10016
(212) 937-1097

SEAL:

REVISIONS

No.	Date	Description

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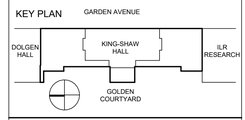
All dimensions and existing conditions shall be checked & verified by the contractor before proceeding with the work.

KEY PLAN



Project:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

Drawing Title:
CUPOLA DETAILS

ADD ALT #1

PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

A307

01 **BUILDING SECTION EAST-WEST - LOOKING NORTH**
SCALE: 1/4" = 1'-0"

181008
Cornell University
Ithaca, NY 14853

ARCHITECT:
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Mitchell Giurgola Architects LLP
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MEPFP ENGINEER:
ME Engineering
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(212) 937-1097

SEAL:

REGISTERED ARCHITECT
CAROL LOEWENBERG
17067
STATE OF NEW YORK

ISSUE/REVISION:

NO.	DATE	COMMENTS

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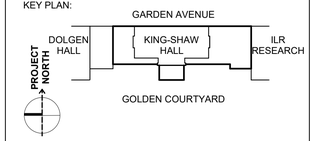


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

BUILDING SECTION

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/4" = 1'-0"**

A-401

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

INTERIOR GLAZING TYPES

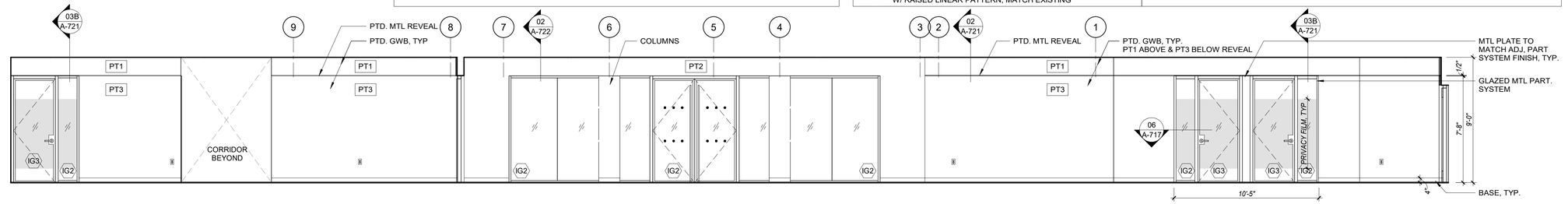
REFER TO SPECIFICATON FOR ACOUSTIC REQ

- IG1 FIRE RATED GLASS
- IG2 SINGLE, LOW-IRON GLAZING, CLEAR
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

WALL FINISH

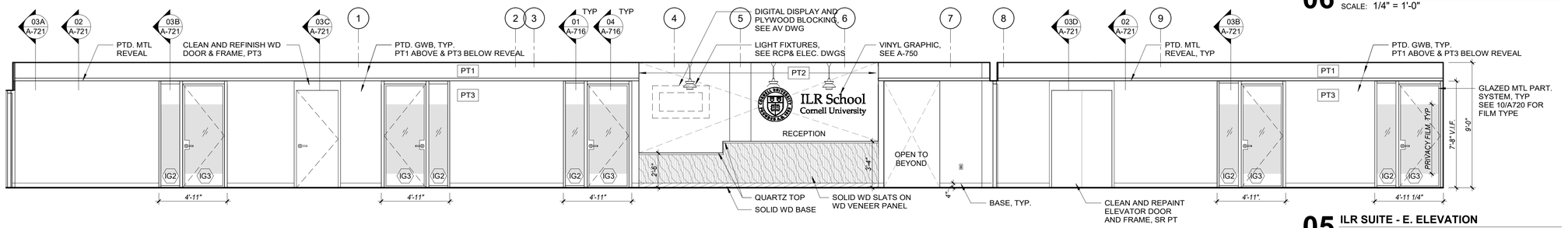
PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



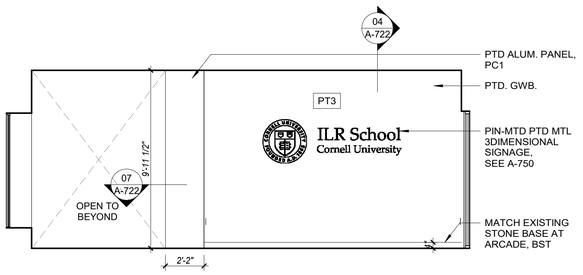
06 ILR SUITE - W. ELEVATION

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



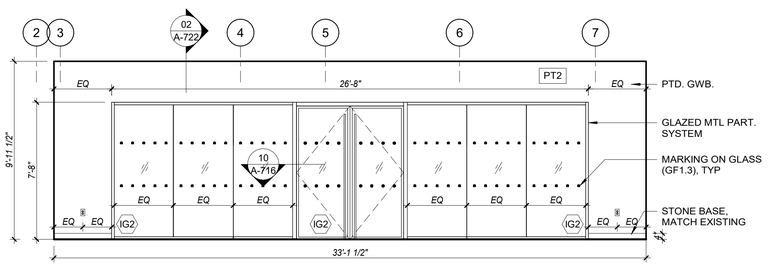
05 ILR SUITE - E. ELEVATION

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



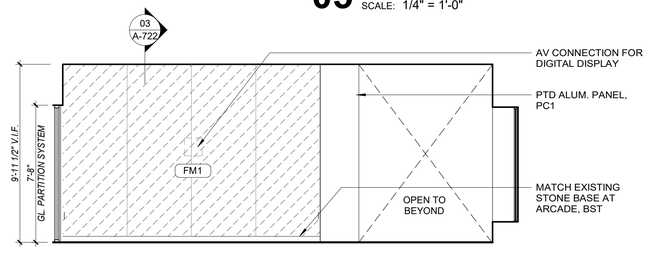
04 ILR HUB - N. ELEVATION

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



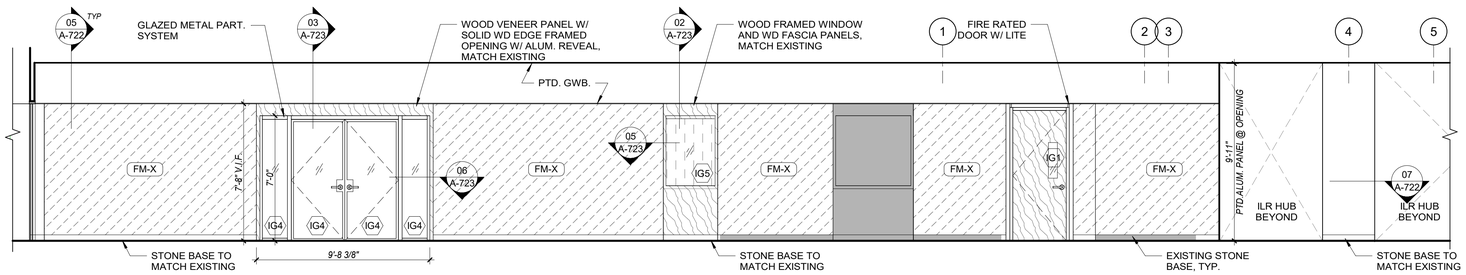
03 ILR HUB - E. ELEVATION

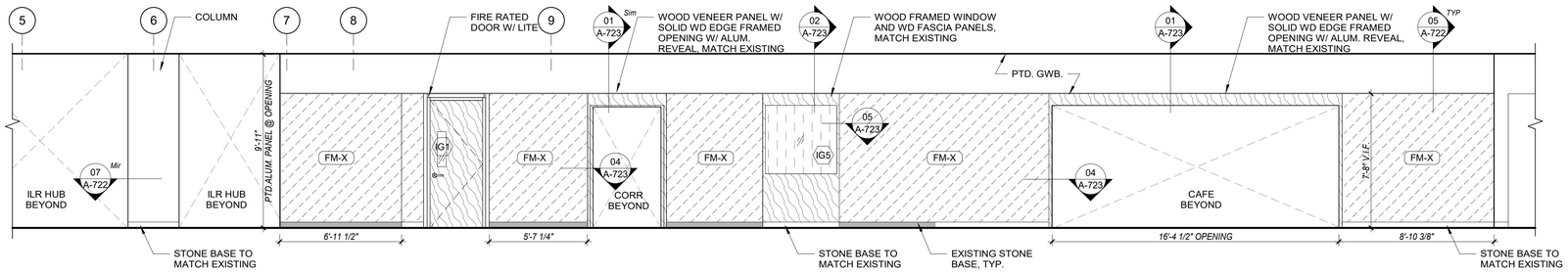
SCALE: 1/4" = 1'-0"



02 ILR HUB - S. ELEVATION

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





01 ARCADE - EAST ELEVATION

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

181008
Cornell University
Ithaca, NY 14853

ARCHITECT:
Mitchell Giurgola
Mitchell Giurgola Architects LLP
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MEPFP ENGINEER:
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SEAL:

REGISTERED ARCHITECT CAROL LOEWENSEN 17067 STATE OF NEW YORK

ISSUE/REVISION:

NO.	DATE	COMMENTS

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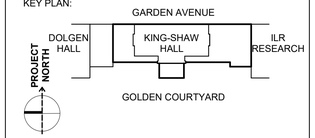
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-701

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

INTERIOR GLAZING TYPES

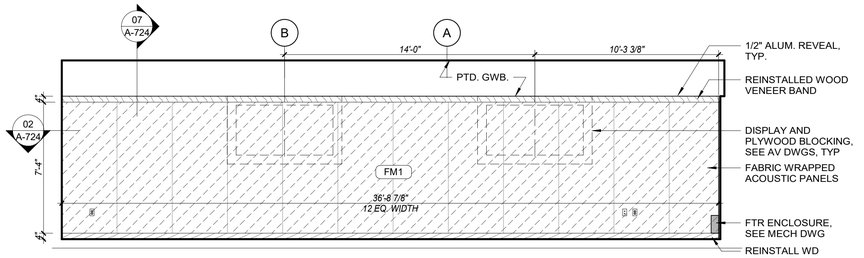
REFER TO SPECIFICATON FOR ACOUSTIC REQ

- IG1 FIRE RATED GLASS
- IG2 SINGLE, LOW-IRON GLAZING, CLEAR
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

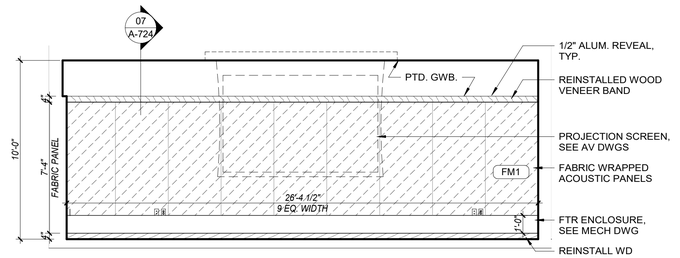
WALL FINISH

PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

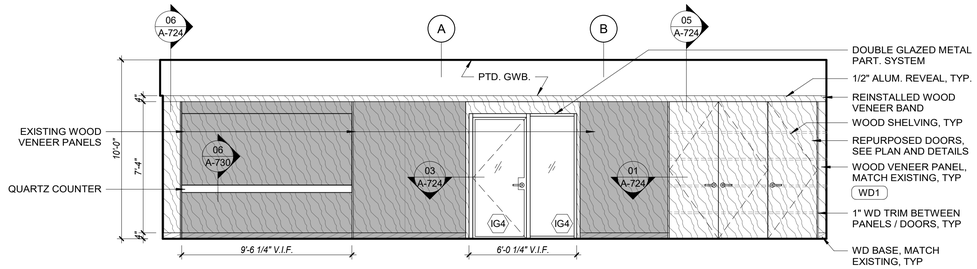
NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



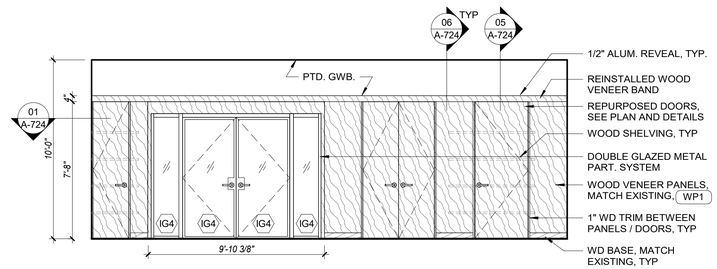
11 MEETING RM 221 - N. ELEVATION
SCALE: 1/4" = 1'-0"



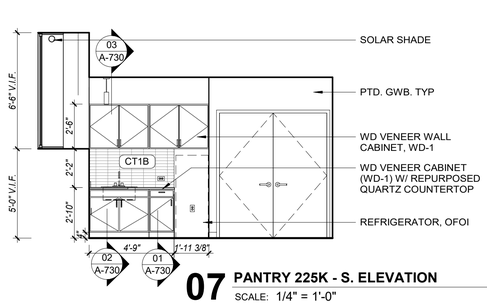
10 MEETING RM 221 - E. ELEVATION
SCALE: 1/4" = 1'-0"



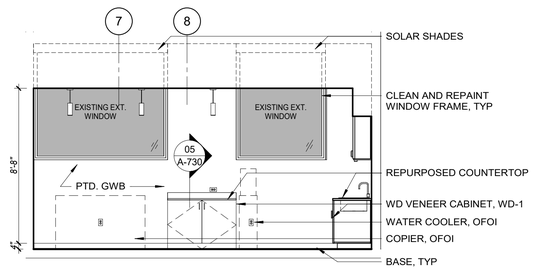
09 MEETING RM 221 - S. ELEVATION
SCALE: 1/4" = 1'-0"



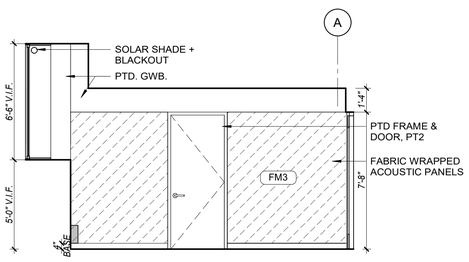
08 MEETING RM 221 - W. ELEVATION
SCALE: 1/4" = 1'-0"



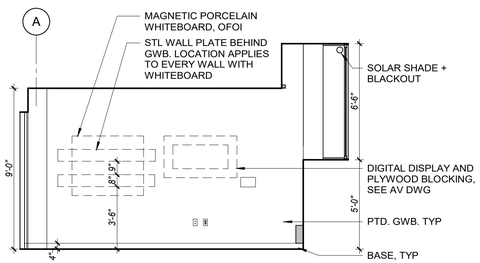
07 PANTRY 225K - S. ELEVATION
SCALE: 1/4" = 1'-0"



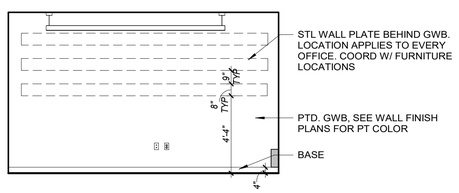
06 PANTRY 225K - E. ELEVATION
SCALE: 1/4" = 1'-0"



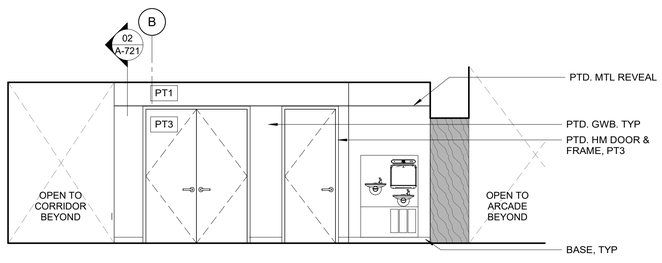
05 MEETING RM 225H - S. ELEVATION
SCALE: 1/4" = 1'-0"



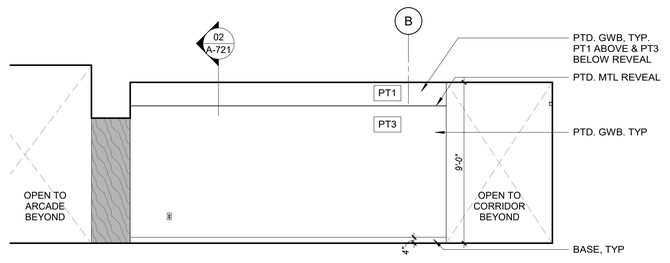
04 MEETING RM 225H - N. ELEVATION
SCALE: 1/4" = 1'-0"



03 TYPICAL OFFICE ELEVATION
SCALE: 1/4" = 1'-0"



02 ELEV. CORR - S. ELEVATION
SCALE: 1/4" = 1'-0"



01 ELEV. CORR - N. ELEVATION
SCALE: 1/4" = 1'-0"

181008
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Ithaca, NY 14853

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS

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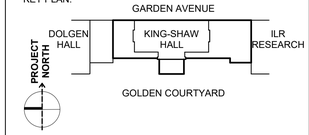
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-702

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

INTERIOR GLAZING TYPES

REFER TO SPECIFICATON FOR ACOUSTIC REQ

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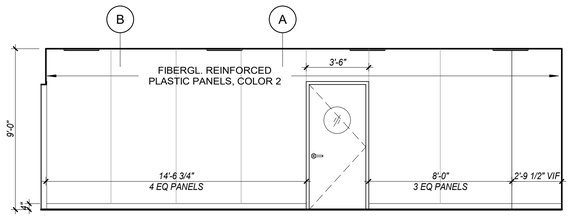
- IG2 SINGLE, LOW-IRON GLAZING, CLEAR
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

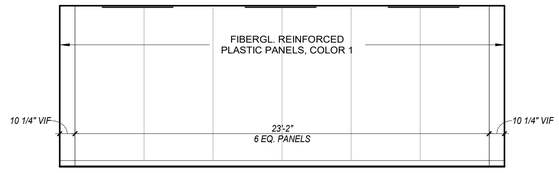
WALL FINISH

PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

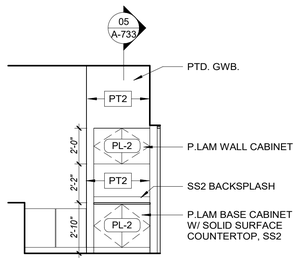
NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



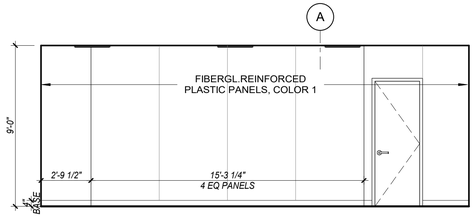
08 PREP ROOM - N. ELEVATION
SCALE: 1/4" = 1'-0"



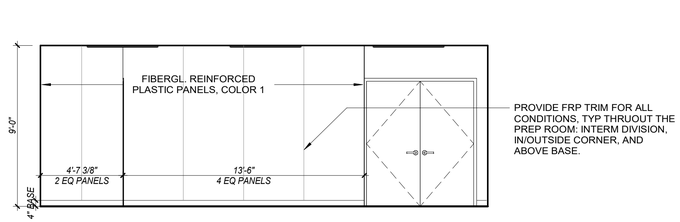
07 PREP ROOM - E. ELEVATION
SCALE: 1/4" = 1'-0"



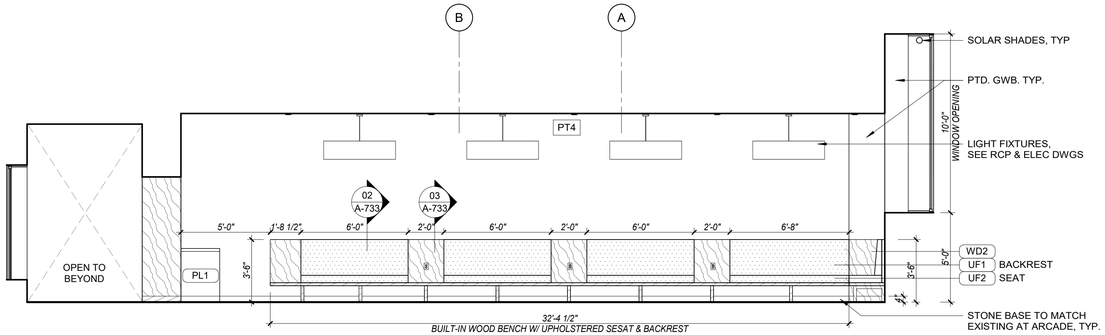
09 CAFE SERVERY - PARTIAL E. ELEV.
SCALE: 1/4" = 1'-0"



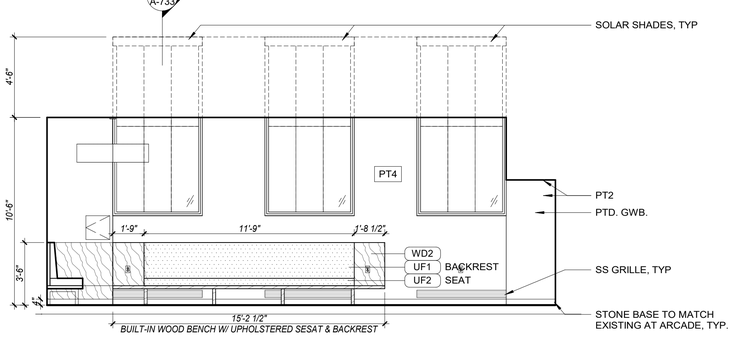
06 PREP ROOM - S. ELEVATION
SCALE: 1/4" = 1'-0"



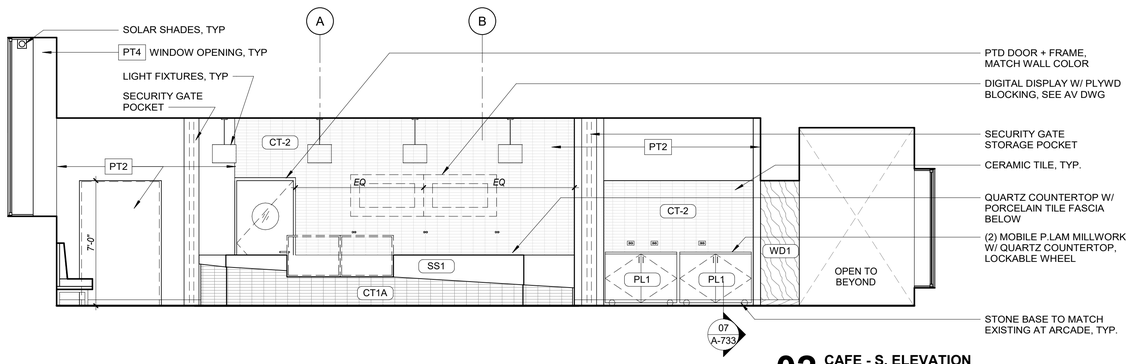
05 PREP ROOM - W. ELEVATION
SCALE: 1/4" = 1'-0"



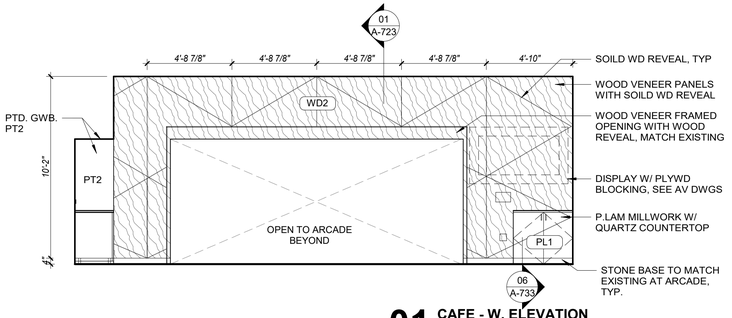
04 CAFE - N. ELEVATION
SCALE: 1/4" = 1'-0"



03 CAFE - E. ELEVATION
SCALE: 1/4" = 1'-0"



02 CAFE - S. ELEVATION
SCALE: 1/4" = 1'-0"



01 CAFE - W. ELEVATION
SCALE: 1/4" = 1'-0"

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS

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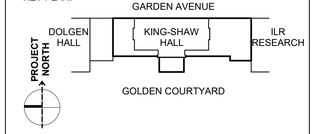
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR ELEVATIONS - SECOND FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-703

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

INTERIOR GLAZING TYPES

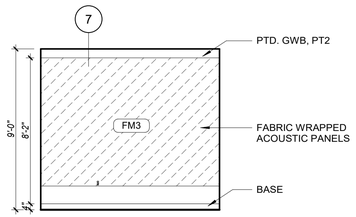
REFER TO SPECIFICATON FOR ACOUSTIC REQ

- IG1 FIRE RATED GLASS
- IG2 SINGLE, LOW-IRON GLAZING, CLEAR
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

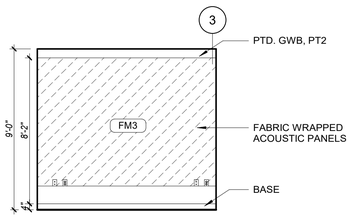
WALL FINISH

PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

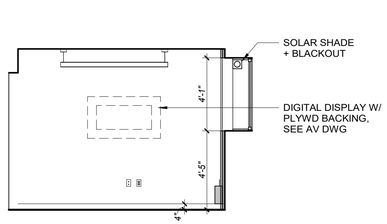
NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



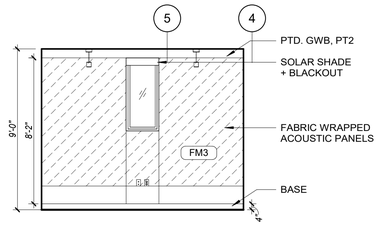
09 RM 325A - W. ELEVATION
SCALE: 1/4" = 1'-0"



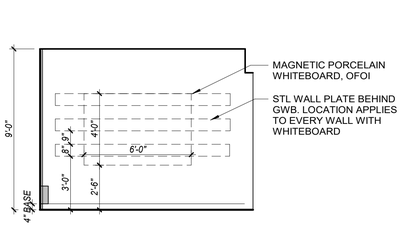
08 RM 325C - W. ELEVATION
SCALE: 1/4" = 1'-0"



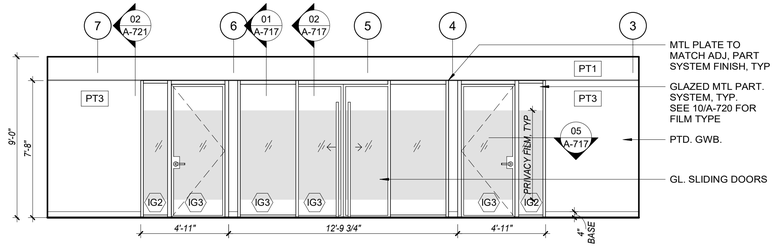
07 CONF. RM 325B - S. ELEVATION
SCALE: 1/4" = 1'-0"



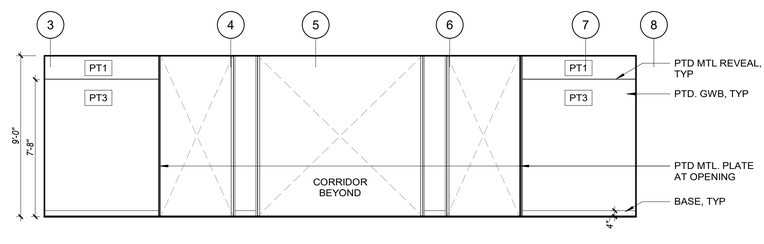
06 CONF. RM 325B - W. ELEVATION
SCALE: 1/4" = 1'-0"



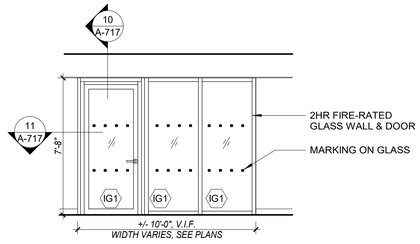
05 CONF. RM 325B - N. ELEVATION
SCALE: 1/4" = 1'-0"



04 THIRD FL LOUNGE - W. ELEVATION
SCALE: 1/4" = 1'-0"

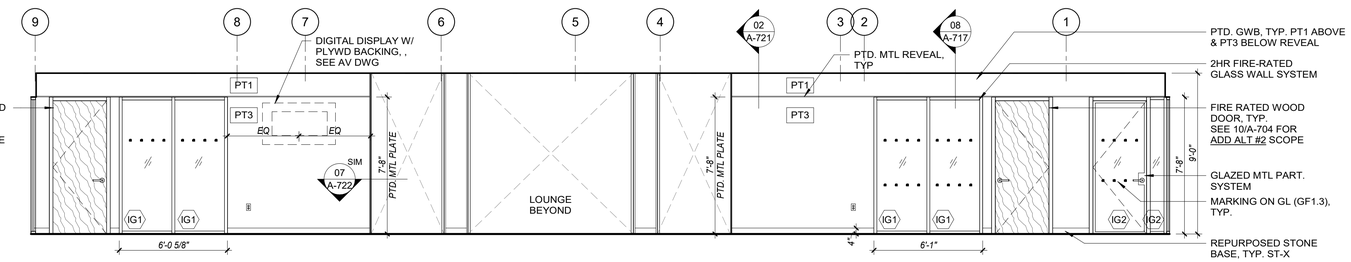


03 THIRD FL LOUNGE - E. ELEVATION
SCALE: 1/4" = 1'-0"

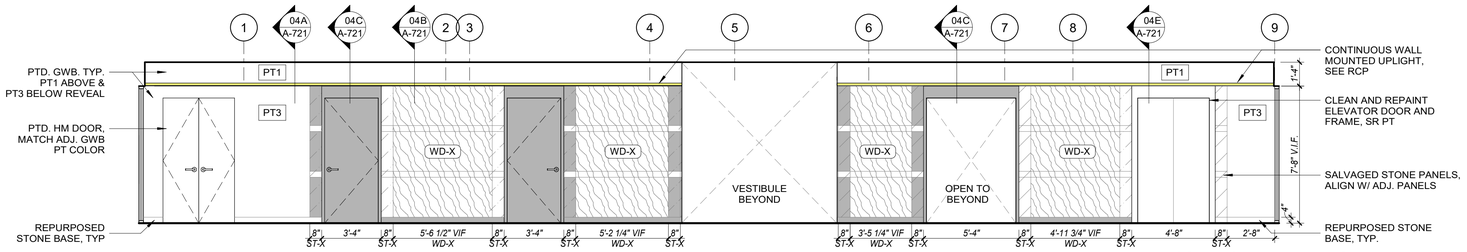


10 PARTIAL ELEV. - RATED GL. PART & DOOR AT STAIRS
SCALE: 1/4" = 1'-0"

ADD ALT #2 @ STAIR A&B ON THIRD AND FOURTH FL.



02 THIRD FL CORRIDOR - W. ELEVATION
SCALE: 1/4" = 1'-0"



01 THIRD FL CORRIDOR - E. ELEVATION
SCALE: 1/4" = 1'-0"

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REGISTERED ARCHITECT CAROL LOEWENBERG 17067 STATE OF NEW YORK

ISSUE/REVISION:

NO.	DATE	COMMENTS

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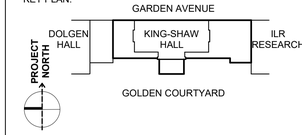
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR ELEVATIONS - THIRD FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-704

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

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REFER TO SPECIFICATON FOR ACOUSTIC REQ

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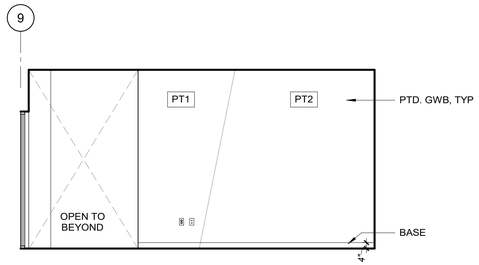
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

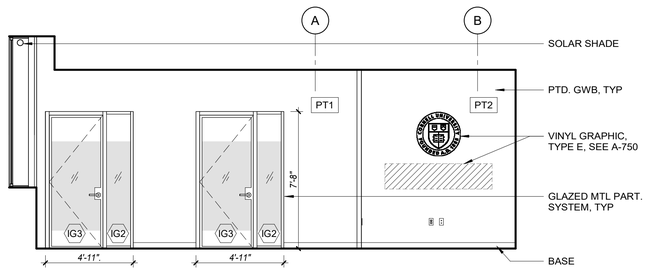
WALL FINISH

PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

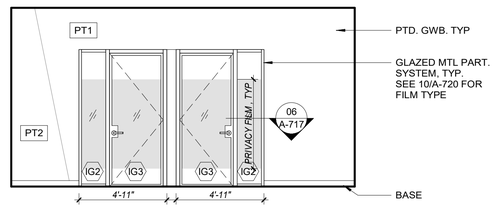
NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



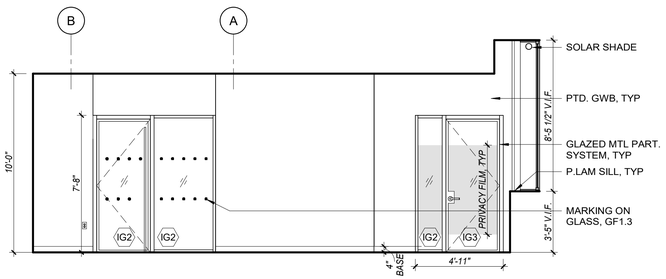
16 ADMIN 329 - E. ELEVATION
SCALE: 1/4" = 1'-0"



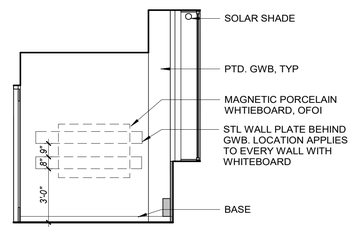
15 ADMIN 329 - S. ELEVATION
SCALE: 1/4" = 1'-0"



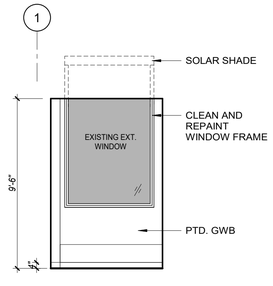
14 ADMIN 329 - W. ELEVATION
SCALE: 1/4" = 1'-0"



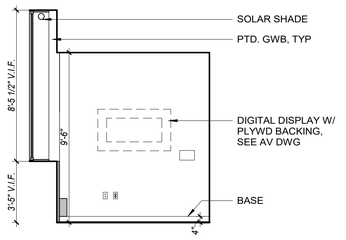
13 ADMIN 329 - N. ELEVATION
SCALE: 1/4" = 1'-0"



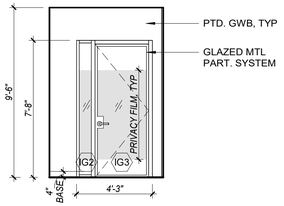
12 TOUCHDOWN 323A - S. ELEV.
SCALE: 1/4" = 1'-0"



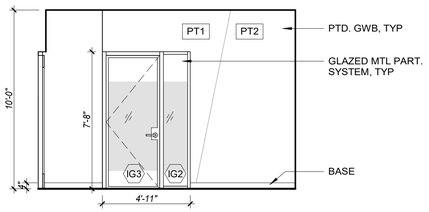
11 TOUCHDOWN 323A - W. ELEV.
SCALE: 1/4" = 1'-0"



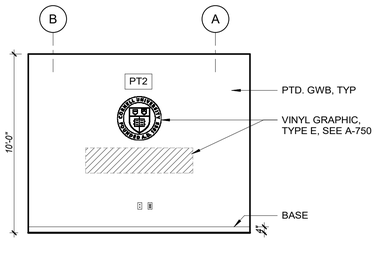
10 TOUCHDOWN 323A - N. ELEV.
SCALE: 1/4" = 1'-0"



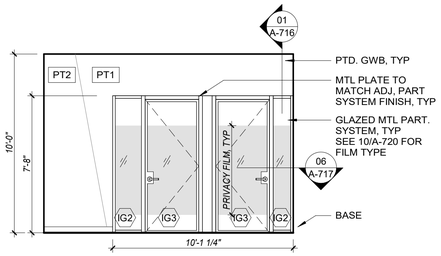
09 TOUCHDOWN 323A - E. ELEV.
SCALE: 1/4" = 1'-0"



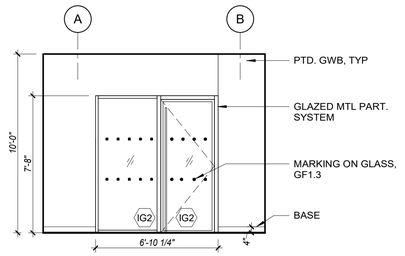
08 ADMIN 321 - W. ELEVATION
SCALE: 1/4" = 1'-0"



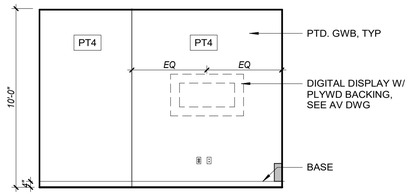
07 ADMIN 321 - N. ELEVATION
SCALE: 1/4" = 1'-0"



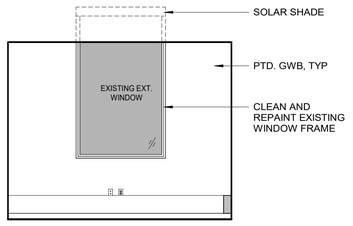
06 ADMIN 321 - E. ELEVATION
SCALE: 1/4" = 1'-0"



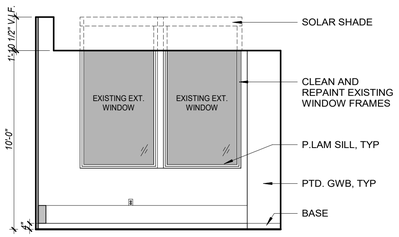
05 ADMIN 321 - S. ELEVATION
SCALE: 1/4" = 1'-0"



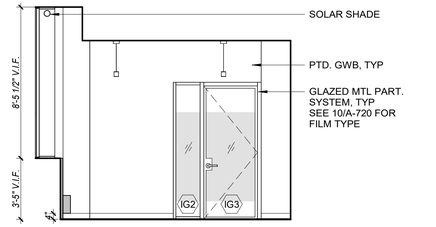
04 DIRECTOR'S OFFICE - S. ELEVATION
SCALE: 1/4" = 1'-0"



03 DIRECTOR'S OFFICE - W. ELEVATION
SCALE: 1/4" = 1'-0"



02 DIRECTOR'S OFFICE - N. ELEVATION
SCALE: 1/4" = 1'-0"



01 DIRECTOR'S OFFICE - E. ELEVATION
SCALE: 1/4" = 1'-0"

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SEAL:

REGISTERED ARCHITECT CAROL LOEWENBERG STATE OF NEW YORK 17067

ISSUE/REVISION:

NO.	DATE	COMMENTS

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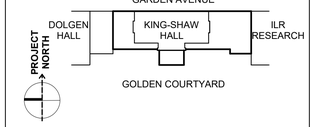
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR ELEVATIONS - THIRD FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-705

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

INTERIOR GLAZING TYPES

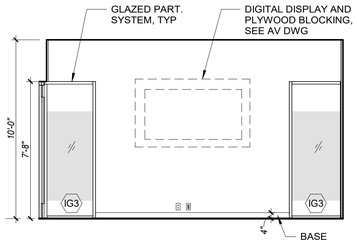
REFER TO SPECIFICATON FOR ACOUSTIC REQ

- IG1 FIRE RATED GLASS
- IG2 SINGLE, LOW-IRON GLAZING, CLEAR
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

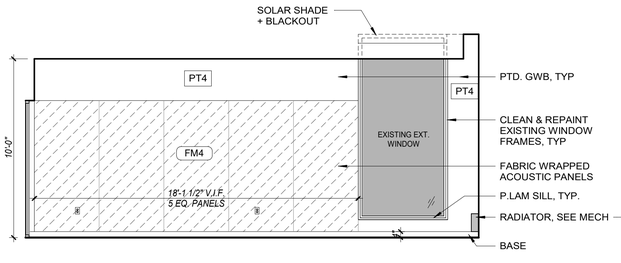
WALL FINISH

PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

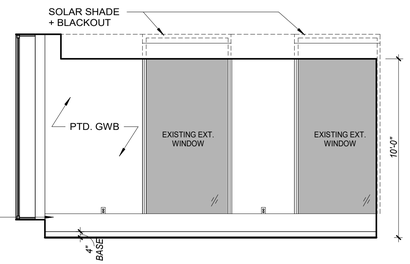
NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



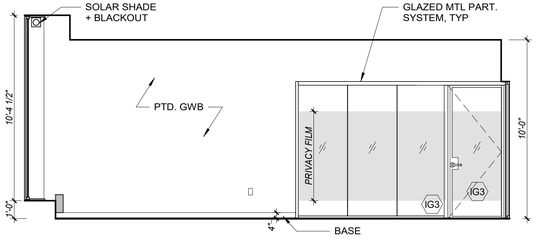
12 CONFERENCE RM 425 - E. ELEVATION
SCALE: 1/4" = 1'-0"



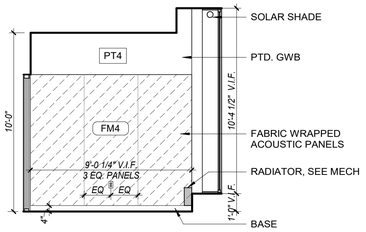
11 CONFERENCE RM 425 - S. ELEVATION
SCALE: 1/4" = 1'-0"



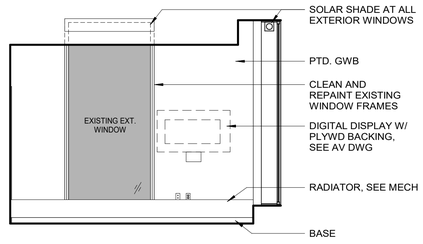
10 CONFERENCE RM 425 - W. ELEVATION
SCALE: 1/4" = 1'-0"



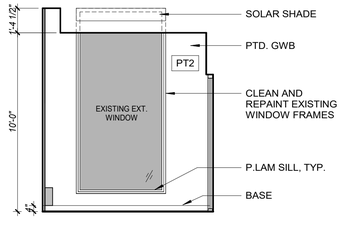
09 CONFERENCE RM 425 - N. ELEVATION
SCALE: 1/4" = 1'-0"



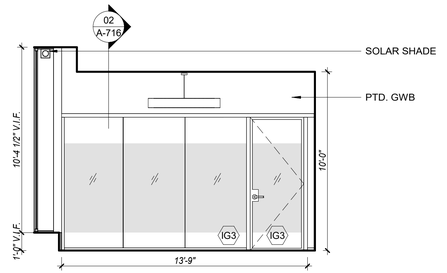
08 TOUCHDOWN 423A - S. ELEVATION
SCALE: 1/4" = 1'-0"



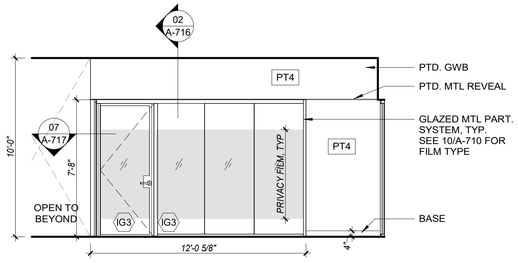
07 TOUCHDOWN 423A - W. ELEVATION
SCALE: 1/4" = 1'-0"



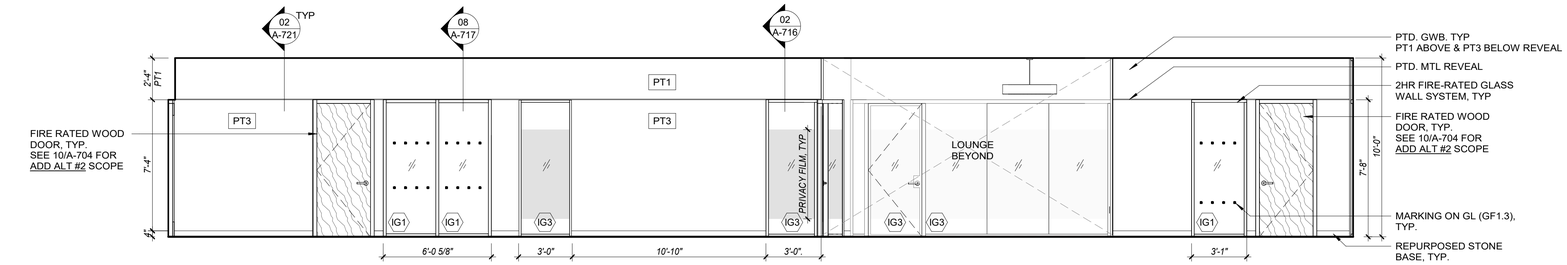
06 TOUCHDOWN 423A - N. ELEVATION
SCALE: 1/4" = 1'-0"



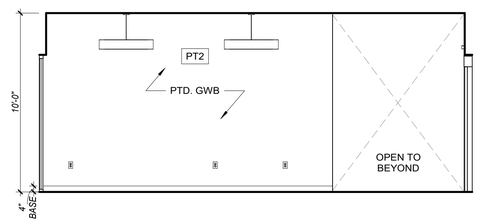
05 TOUCHDOWN 423A - E. ELEVATION
SCALE: 1/4" = 1'-0"



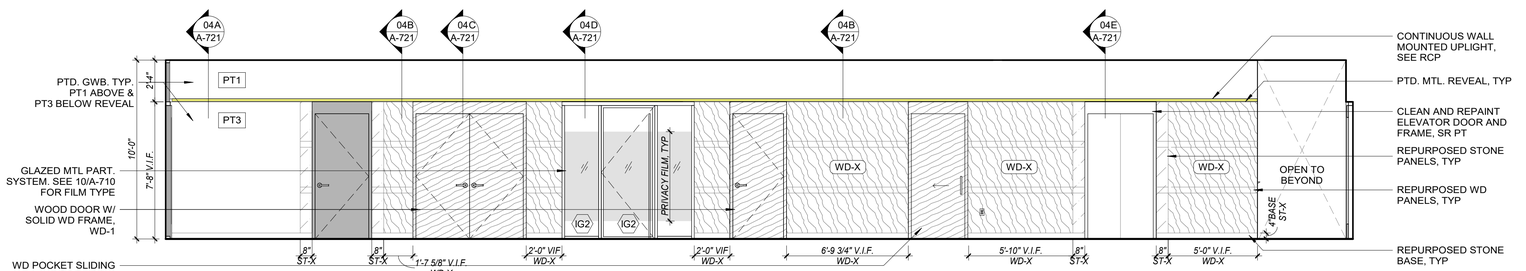
04 FOURTH FL LOUNGE - S. ELEVATION
SCALE: 1/4" = 1'-0"



02 FOURTH FL CORRIDOR - W. ELEVATION
SCALE: 1/4" = 1'-0"



03 FOURTH FL LOUNGE - N. ELEVATION
SCALE: 1/4" = 1'-0"



01 FOURTH FL CORRIDOR - E. ELEVATION
SCALE: 1/4" = 1'-0"

181008
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FOOD SERVICE:
Jacobs Doland Beer
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New York, NY 10016
(212) 937-1097

SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS

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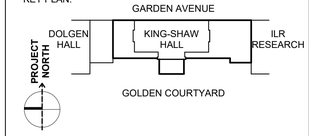
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR ELEVATIONS - FOURTH FLOOR

PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: As indicated

A-706

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

INTERIOR GLAZING TYPES

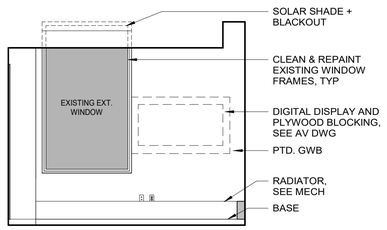
REFER TO SPECIFICATON FOR ACOUSTIC REQ

- IG1 FIRE RATED GLASS
- IG2 SINGLE, LOW-IRON GLAZING, CLEAR
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

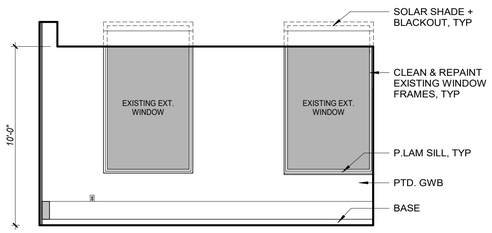
WALL FINISH

PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

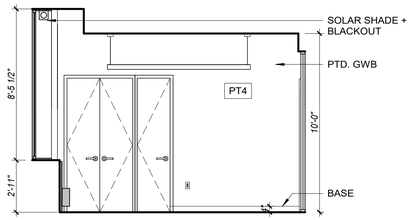
NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



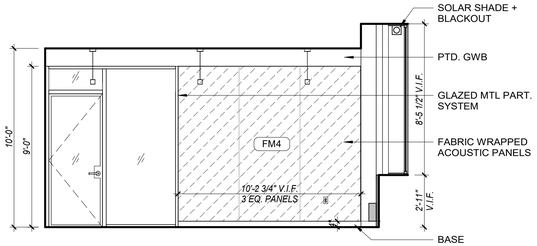
12 CONFERENCE RM 421B- N. ELEVATION
SCALE: 1/4" = 1'-0"



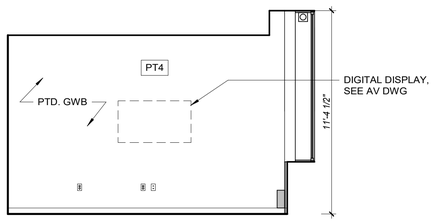
11 CONFERENCE RM 421B- E. ELEVATION
SCALE: 1/4" = 1'-0"



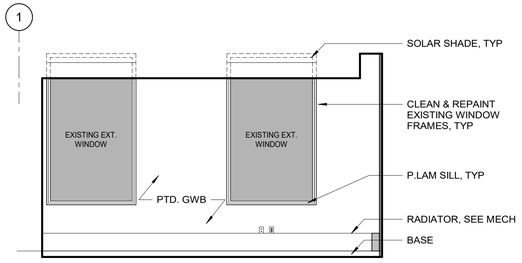
10 CONFERENCE RM 421B- S. ELEVATION
SCALE: 1/4" = 1'-0"



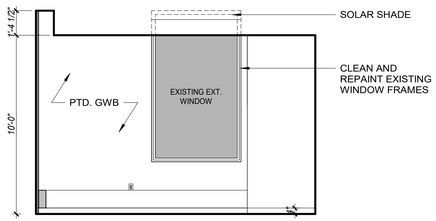
09 CONFERENCE RM 421B- W. ELEVATION
SCALE: 1/4" = 1'-0"



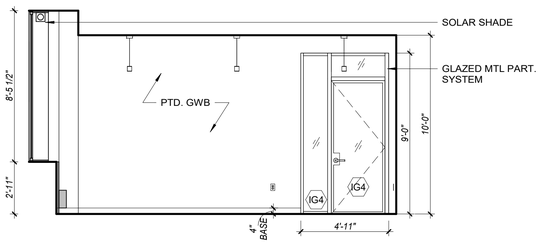
08 DEAN OFFICE - S. ELEVATION
SCALE: 1/4" = 1'-0"



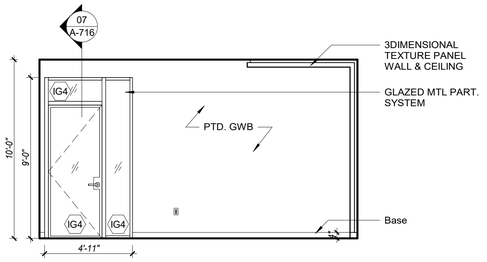
07 DEAN OFFICE - W. ELEVATION
SCALE: 1/4" = 1'-0"



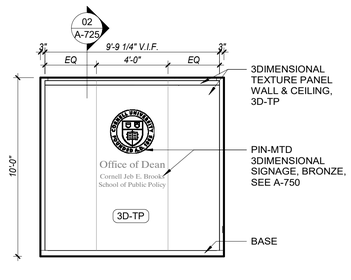
06 DEAN OFFICE - N. ELEVATION
SCALE: 1/4" = 1'-0"



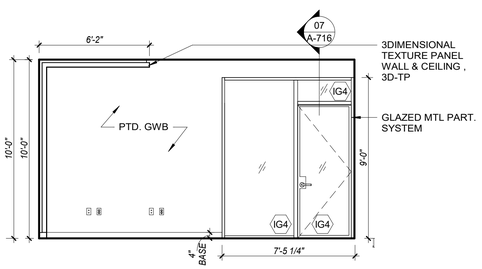
05 DEAN OFFICE - E. ELEVATION
SCALE: 1/4" = 1'-0"



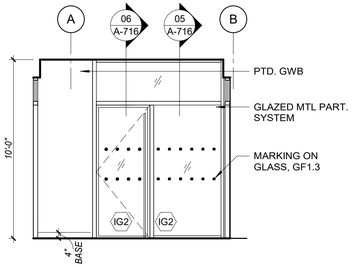
04 EXECUTIVE ASSIST. - W. ELEVATION
SCALE: 1/4" = 1'-0"



03 EXECUTIVE ASSIST. - N. ELEVATION
SCALE: 1/4" = 1'-0"



02 EXECUTIVE ASSIST. - E. ELEVATION
SCALE: 1/4" = 1'-0"



01 EXECUTIVE ASSIST. - S. ELEVATION
SCALE: 1/4" = 1'-0"

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SEAL:

REGISTERED ARCHITECT CAROL LOEWENBERG 17067 STATE OF NEW YORK

ISSUE/REVISION:

NO.	DATE	COMMENTS

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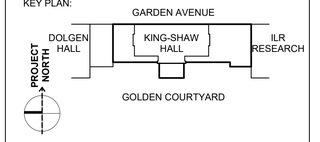
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR ELEVATIONS - FOURTH FLOOR

PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: As indicated

A-707

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

INTERIOR GLAZING TYPES

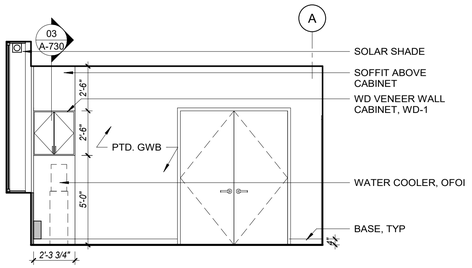
REFER TO SPECIFICATON FOR ACOUSTIC REQ

- IG1 FIRE RATED GLASS
- IG2 SINGLE, LOW-IRON GLAZING, CLEAR
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

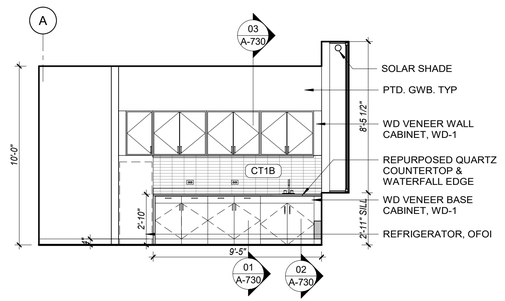
WALL FINISH

PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

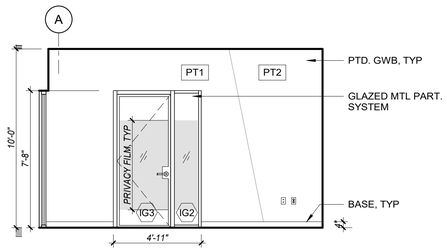
NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



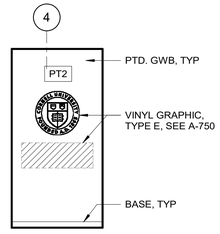
10 PANTRY 426 - S. ELEVATION
SCALE: 1/4" = 1'-0"



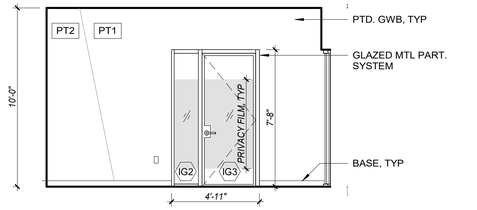
09 PANTRY 426 - N. ELEVATION
SCALE: 1/4" = 1'-0"



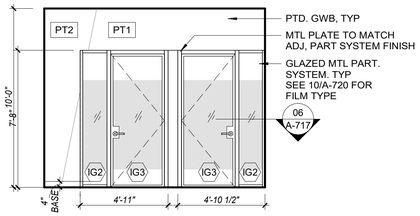
07 OFFICE 425 - N. ELEVATION
SCALE: 1/4" = 1'-0"



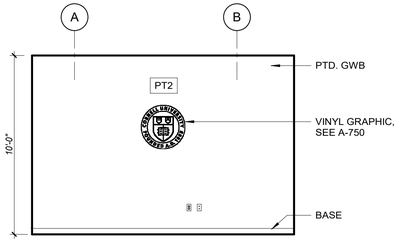
06 OFFICE 425 - E. ELEVATION
SCALE: 1/4" = 1'-0"



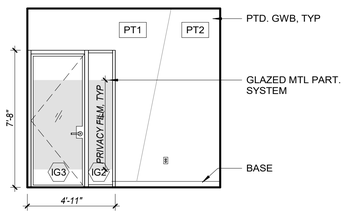
05 OFFICE 425 - S. ELEVATION
SCALE: 1/4" = 1'-0"



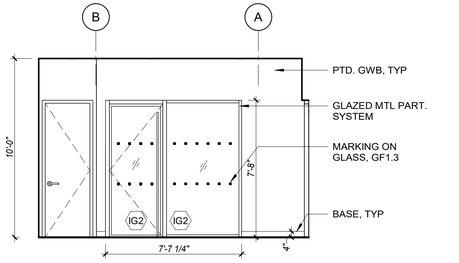
04 OFFICE 429 - W. ELEVATION
SCALE: 1/4" = 1'-0"



03 OFFICE 429 - S. ELEVATION
SCALE: 1/4" = 1'-0"



02 OFFICE 429 - E. ELEVATION
SCALE: 1/4" = 1'-0"



01 OFFICE 429 - N. ELEVATION
SCALE: 1/4" = 1'-0"

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ISSUE/REVISION:

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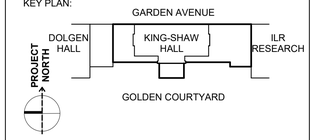
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR ELEVATIONS - FOURTH FLOOR

PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: As indicated

A-708

INTERIOR FINISH

FM-X	FABRIC, MATCH EXISTING	UF1	UPHOLSTERY, COLOR 1	WC	WALLCOVERING
FM1	FABRIC TYPE 1	UF2	UPHOLSTERY, COLOR 2	CT-1A	CERAMIC TILE 1
FM2.1	FABRIC TYPE 2, COLOR 1	WD-X	REPURPOSED WOOD	CT-1B	CERAMIC TILE 2
FM2.2	FABRIC TYPE 2, COLOR 2	WD1	WOOD, MATCH EXISTING	CT2	CERAMIC TILE 3
FM2.3	FABRIC TYPE 2, COLOR 3	WD2	WOOD PANEL / SOLID WD	CT3	CERAMIC TILE 4

INTERIOR GLAZING TYPES

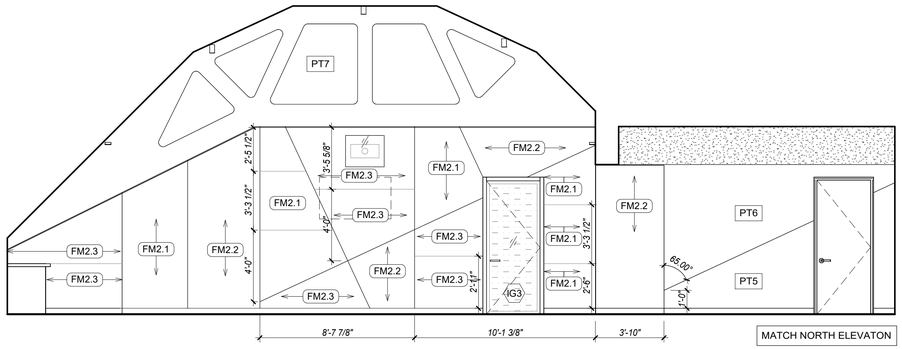
REFER TO SPECIFICATON FOR ACOUSTIC REQ

- IG1 FIRE RATED GLASS
- IG2 SINGLE, LOW-IRON GLAZING, CLEAR
- IG3 DOUBLE, LOW-IRON GLAZING, CLEAR
- IG4 DOUBLE, LOW-IRON GLAZING, CLEAR W/ TRANSLUCENT WHITE INTERLAYER
- IG5 DOUBLE, TEMPERED ACID ETCHED GLAZING W/ RAISED LINEAR PATTERN, MATCH EXISTING

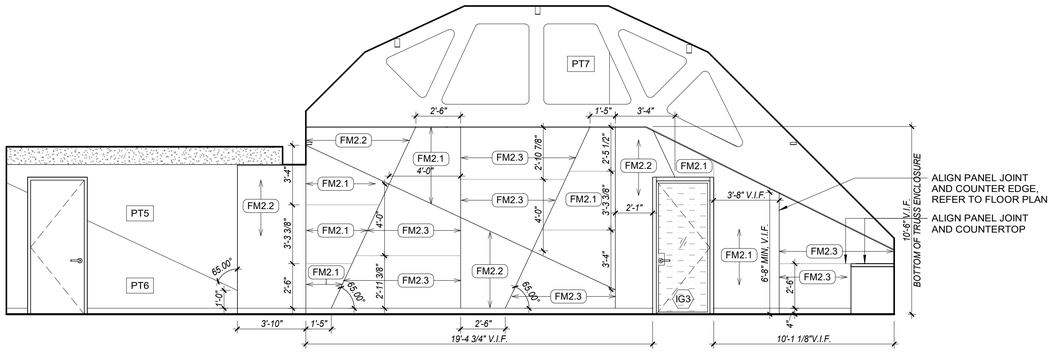
WALL FINISH

PT0 MATCH EXISTING	PT5 OFF-WHITE 1	PT-X STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1 WHITE	PT6 OFF-WHITE 2	
PT2 RED	PT7 LIGHT GRAY	
PT3 CREAM	PT8 TBD	
PT4 GRAY		

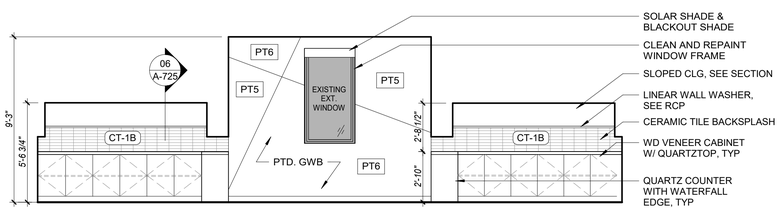
NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE



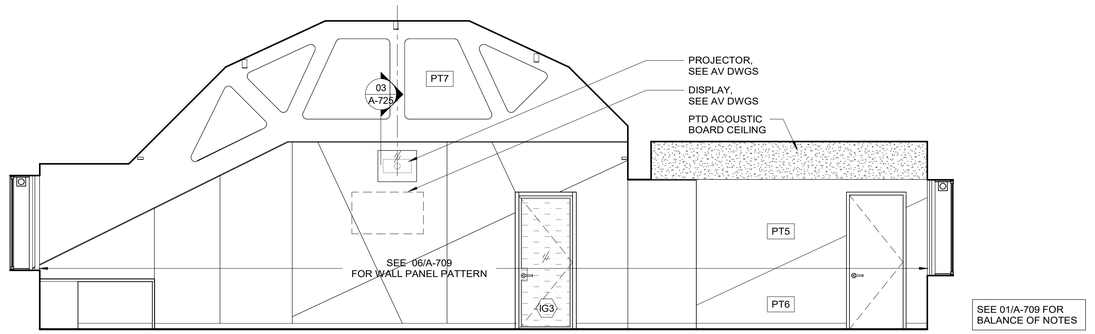
06 MPR WALL PANEL PATTERN - S. ELEVATION
SCALE: 1/4" = 1'-0"



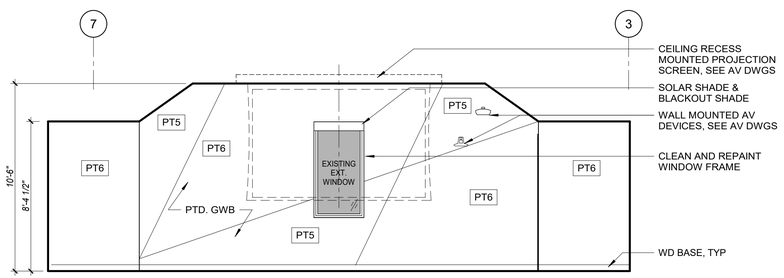
05 MPR WALL PANEL PATTERN - N. ELEVATION
SCALE: 1/4" = 1'-0"



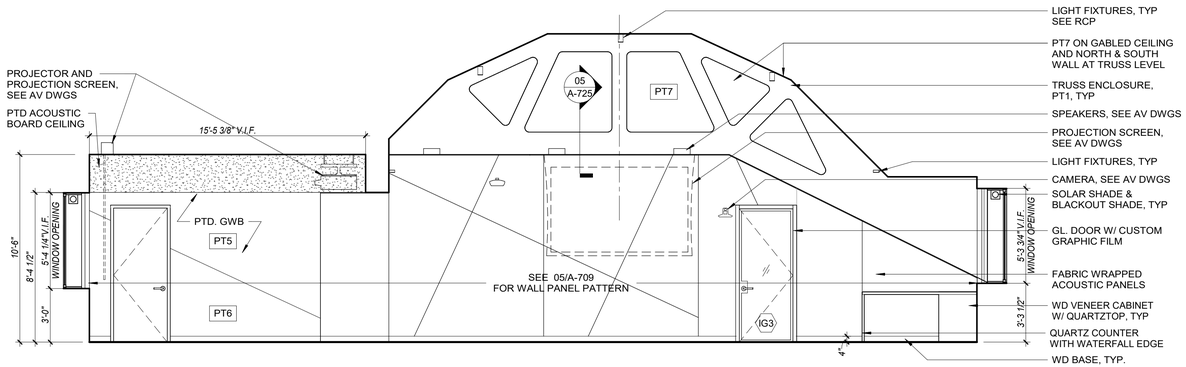
03 MULTIPURPOSE ROOM 525 - E. ELEVATION
SCALE: 1/4" = 1'-0"



02 MULTIPURPOSE ROOM 525 - S. ELEVATION
SCALE: 1/4" = 1'-0"



04 MULTIPURPOSE ROOM 525 - W. ELEVATION
SCALE: 1/4" = 1'-0"



01 MULTIPURPOSE ROOM 525 - N. ELEVATION
SCALE: 1/4" = 1'-0"

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NO.	DATE	COMMENTS

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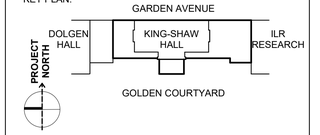
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

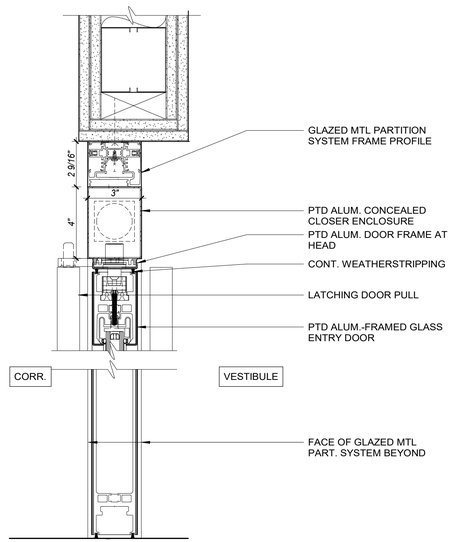
DRAWING TITLE:

INTERIOR ELEVATION - FIFTH FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

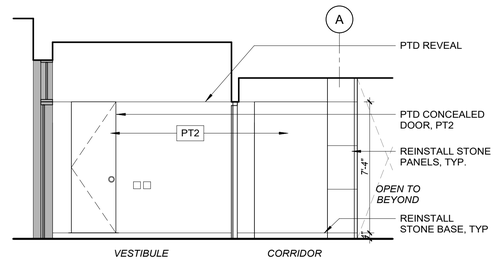
A-709

SEE 01&03/A-716 FOR BALANCE OF NOTES; SEE PLANS FOR PARTITION TYPES



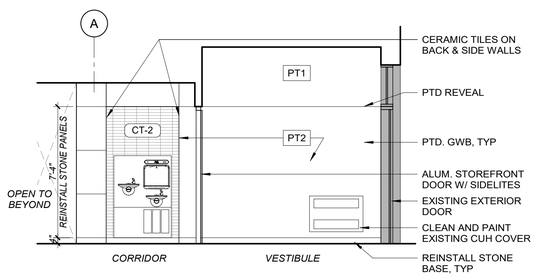
07 SECTION- DOOR @ VESTIBULE

SCALE: 3" = 1'-0"



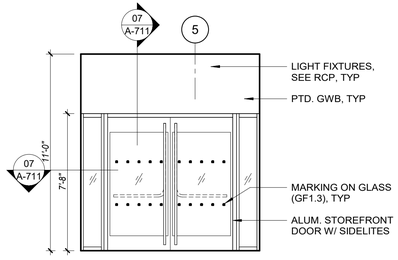
05 THIRD FL ENTRY - S. ELEVATION

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



04 THIRD FL ENTRY - N. ELEVATION

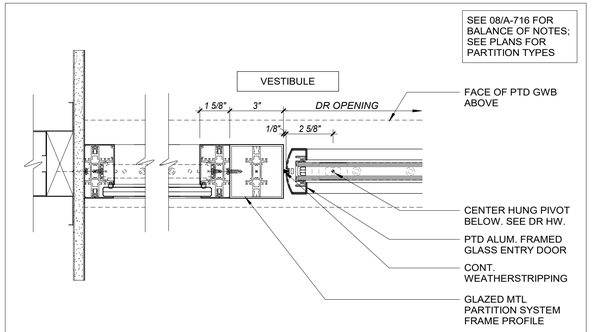
SCALE: 1/4" = 1'-0"



03 THIRD FL ENTRY - W. ELEVATION

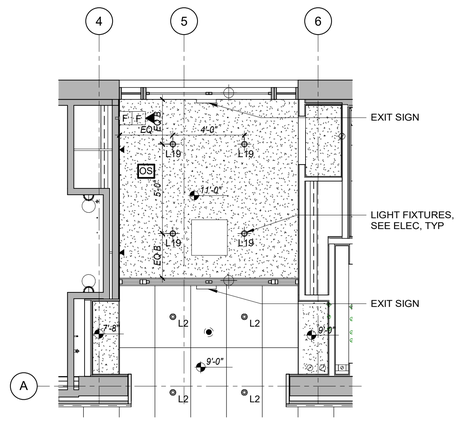
SCALE: 1/4" = 1'-0"

SEE 08/A-716 FOR BALANCE OF NOTES; SEE PLANS FOR PARTITION TYPES



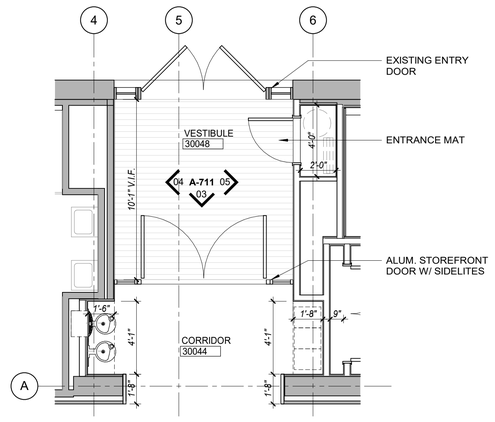
06 PLAN DTL - GL. PARTITION SYSTEM @ VESTIBULE

SCALE: 3" = 1'-0"



02 RCP - THIRD FLOOR ENTRY

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



01 ENLARGED PLAN - THIRD FLOOR ENTRY

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

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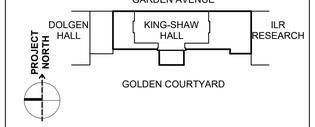
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

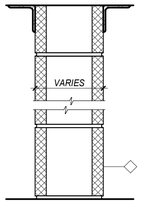
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

VESTIBULE PLANS, RCP AND ELEVATIONS

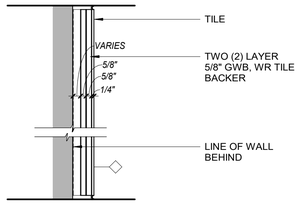
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-711



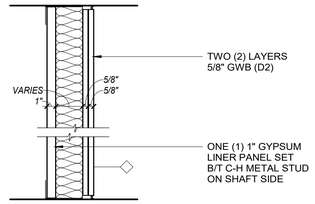
TYPE	NOM. SIZE	ACTUAL SIZE	RATING	NOTES
Z0	12"	11 5/8"	-	-
Z2.1	8"	7 5/8"	2 HR	UL U904
Z2.2	6"	5 5/8"	2 HR	UL U906

Z **PARTITION TYPE 'Z'**
SCALE: 1 1/2" = 1'-0"



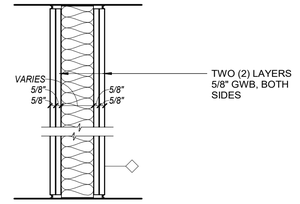
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
N0	2 1/2"	4"	-	-
N0.1	4"	5 1/2"	-	-

N **PARTITION TYPE 'N'**
SCALE: 1 1/2" = 1'-0"



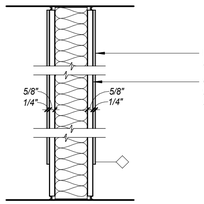
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
G2	4" CH	5 1/4"	2 HR	UL U415
G2.1	6" CH	7 1/4"	2 HR	UL U415

G **PARTITION TYPE 'G'**
SCALE: 1 1/2" = 1'-0"



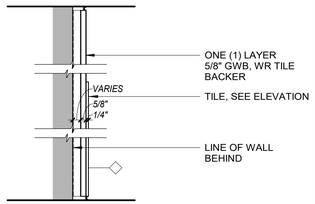
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
C0	3 5/8"	6 1/8"	-	-
C0.1	6"	8 1/2"	-	STC 57
C2	3 5/8"	6 1/8"	2 HR	UL U419

C **PARTITION TYPE 'C'**
SCALE: 1 1/2" = 1'-0"



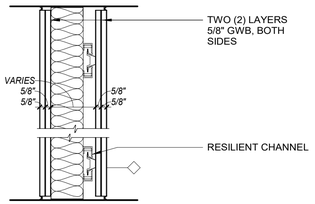
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
R0	3 5/8"	5 3/8"	-	

R **PARTITION TYPE 'R'**
SCALE: 1 1/2" = 1'-0"



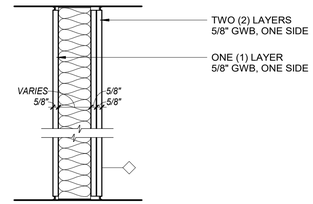
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
M0	7/8"	1 3/4"	-	-
M0.1	2 1/2"	3 3/8"	-	-

M **PARTITION TYPE 'M'**
SCALE: 1 1/2" = 1'-0"



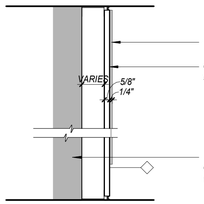
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
F0	3 5/8"	7 1/2"	-	-
F0.1	6"	9 7/8"	-	-

F **PARTITION TYPE 'F'**
SCALE: 1 1/2" = 1'-0"



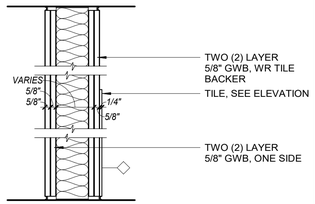
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
B0	3 5/8"	5 1/2"	-	STC 45
B0.1	6"	7 7/8"	-	STC 53

B **PARTITION TYPE 'B'**
SCALE: 1 1/2" = 1'-0"



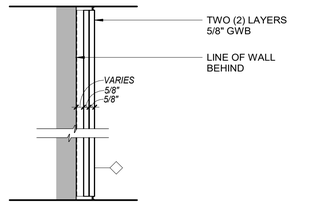
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
Q0	-	7/8"	-	-
Q0.1	2 1/2"	3 3/8"	-	-

Q **PARTITION TYPE 'Q'**
SCALE: 1 1/2" = 1'-0"



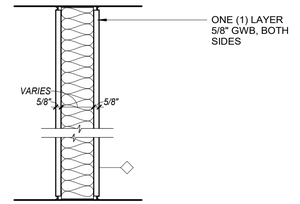
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
L0	3 5/8"	6 3/8"	-	
L0.1	6"	8 1/4"	-	STC 57

L **PARTITION TYPE 'L'**
SCALE: 1 1/2" = 1'-0"



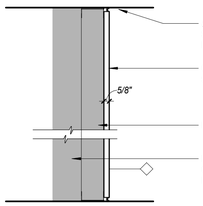
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
E0	3 5/8"	4 7/8"	-	-

E **PARTITION TYPE 'E'**
SCALE: 1 1/2" = 1'-0"



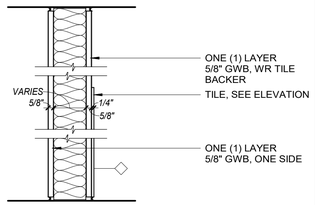
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
A0	3 5/8"	4 7/8"		STC 45
A0.1	6"	7 1/4"	-	-
A0.2	2 1/2"	3 3/4"	-	-

A **PARTITION TYPE 'A'**
SCALE: 1 1/2" = 1'-0"



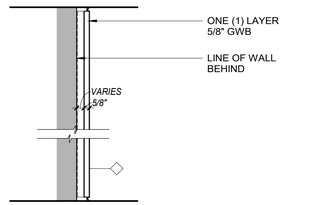
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
P0	-	5/8"	-	-

P **PARTITION TYPE 'P'**
SCALE: 1 1/2" = 1'-0"



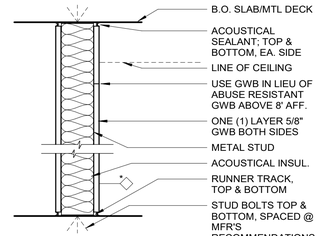
TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
K0	3 5/8"	5 1/8"	-	-

K **PARTITION TYPE 'K'**
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	RATING	NOTES
D0	7/8"	1 1/2"	-	-
D0.1	2 1/2"	3 1/8"	-	-
D0.2	3 5/8"	4 1/4"	-	-
D0.3	4"	4 5/8"	-	-

D **PARTITION TYPE 'D'**
SCALE: 1 1/2" = 1'-0"



TYP NOTES APPLY TO ALL GWB PARTITION TYPES, U.O.N.

01 **TYPICAL GYPSUM PARTITION TYPES**
SCALE: 1 1/2" = 1'-0"

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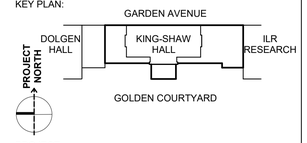
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

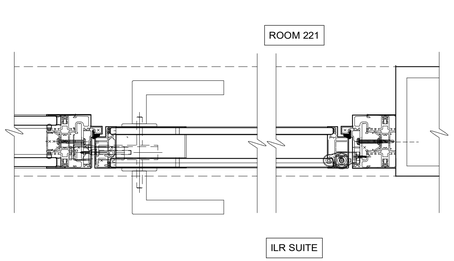
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

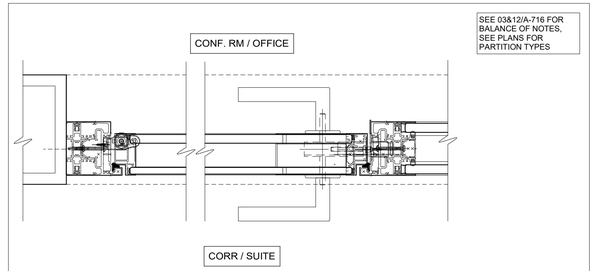
PARTITION TYPES

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1 1/2" = 1'-0"**

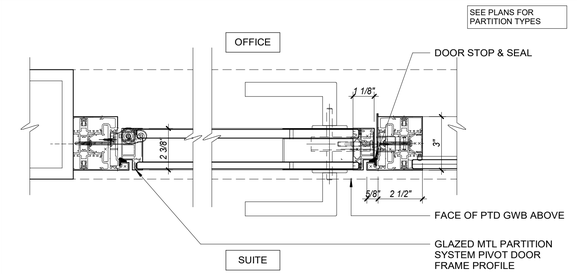
A-715



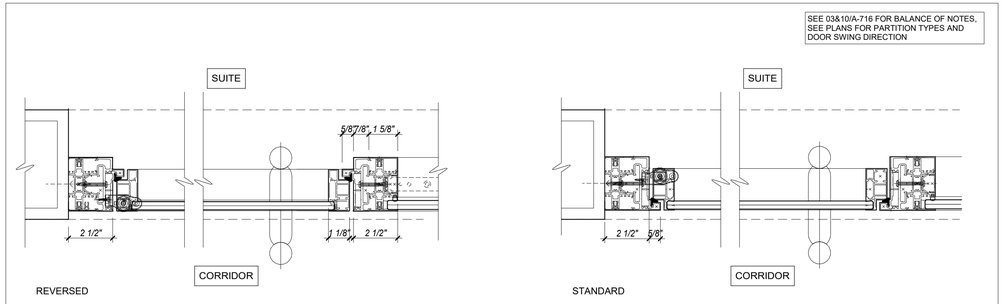
14 PLAN DTL- GL.PART. GL.DOOR @ ROOM 221
SCALE: 3" = 1'-0"



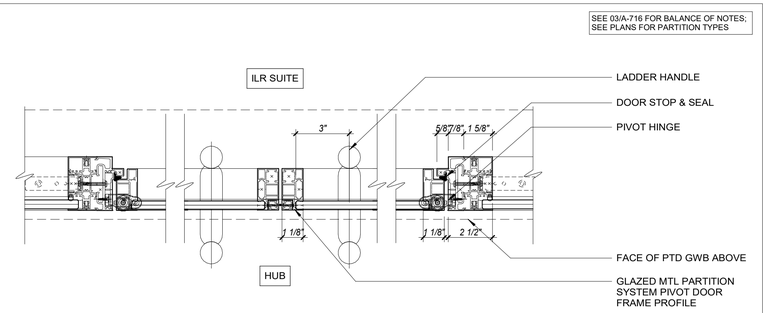
13 PLAN DTL- GL.PART. DOUBLE GL. DOOR W/ DOUBLE GL. SIDELITE
SCALE: 3" = 1'-0"



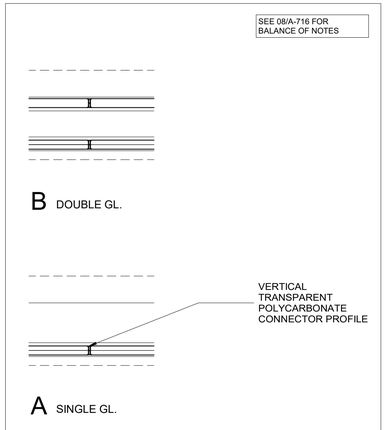
12 PLAN DTL- TYP. GL.PARTITION SINGLE DOOR @ OFFICES
SCALE: 3" = 1'-0"



11 PLAN DTL- GL.PART. DOOR @ SUITE ENTRANCES
SCALE: 3" = 1'-0"



10 PLAN DTL - GL. PARTITION DOUBLE DOOR @ ILR SUITE ENT.
SCALE: 3" = 1'-0"



09 PLAN DTL- GL. PARTITION BUTT JOINT
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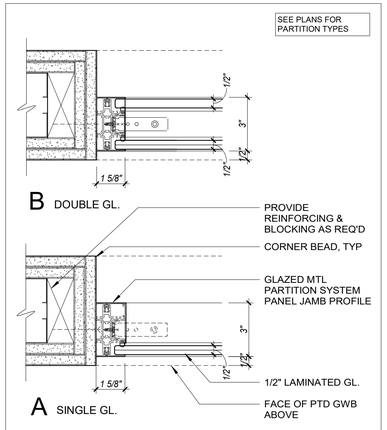
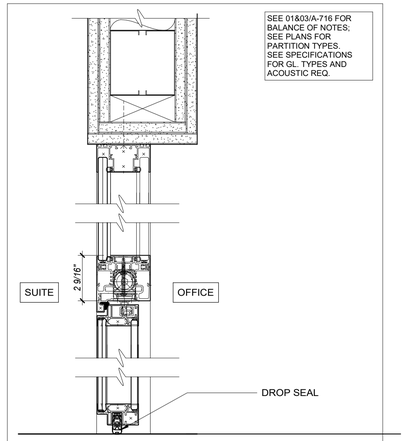
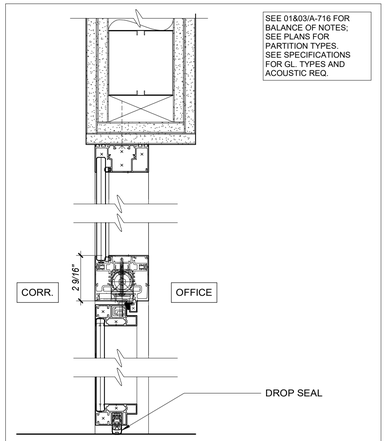


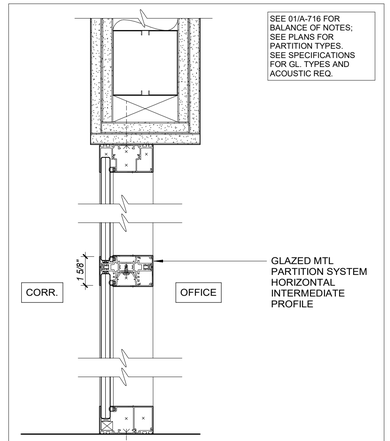
08 PLAN DTL- GL.PARTITION JAMB
SCALE: 3" = 1'-0"



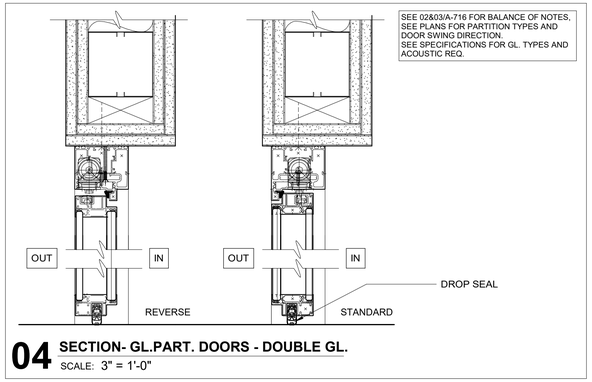
07 SECTION- GL.PART. DOOR W/ TRANSOM (DOUBLE)
SCALE: 3" = 1'-0"



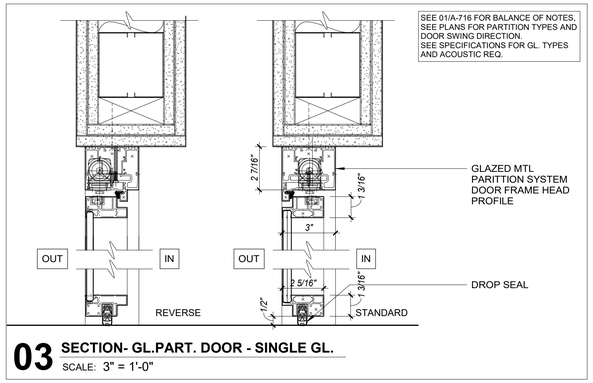
06 SECTION- GL.PART. DOOR W/ TRANSOM
SCALE: 3" = 1'-0"



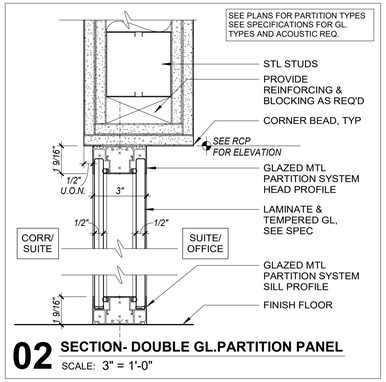
05 SECTION- GL.PART. PANEL W/ TRANSOM
SCALE: 3" = 1'-0"



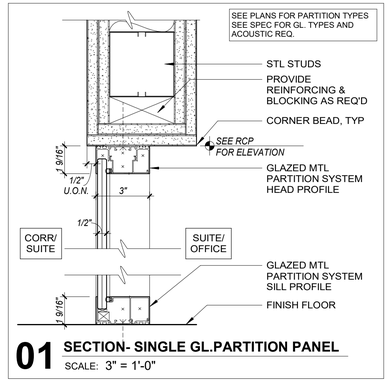
04 SECTION- GL.PART. DOORS - DOUBLE GL.
SCALE: 3" = 1'-0"



03 SECTION- GL.PART. DOOR - SINGLE GL.
SCALE: 3" = 1'-0"



02 SECTION- DOUBLE GL.PARTITION PANEL
SCALE: 3" = 1'-0"



01 SECTION- SINGLE GL.PARTITION PANEL
SCALE: 3" = 1'-0"

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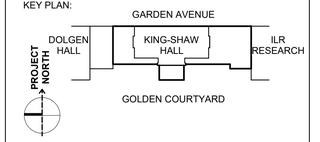


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

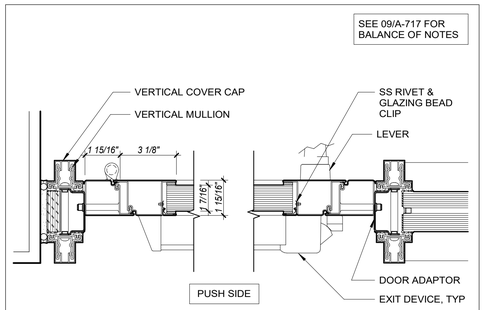
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

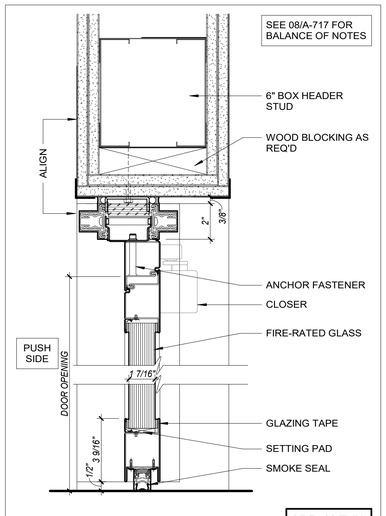
GLAZED PARTITION SYSTEM DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 3" = 1'-0"**

A-716



11 PLAN DTL- RTD GL. PART. DOOR @ STAIRS **ADD ALT #2**
SCALE: 3" = 1'-0"



10 SECTION- RTD GL. PART. DOOR @ STAIRS
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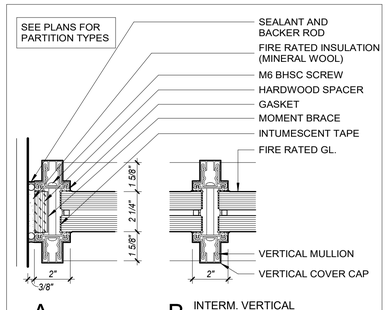

09 PLAN- RTD GL. PART. JAMB
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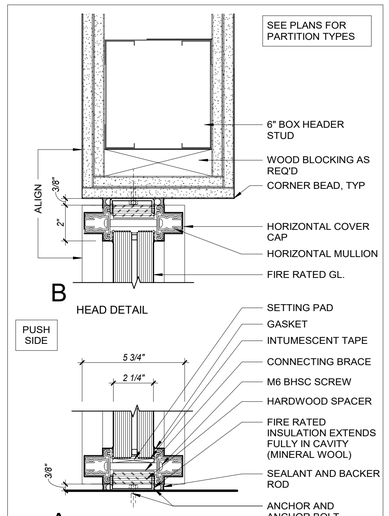

08 SECTION- RATED GL. PART. DETAIL
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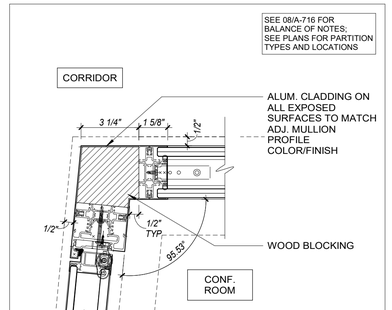
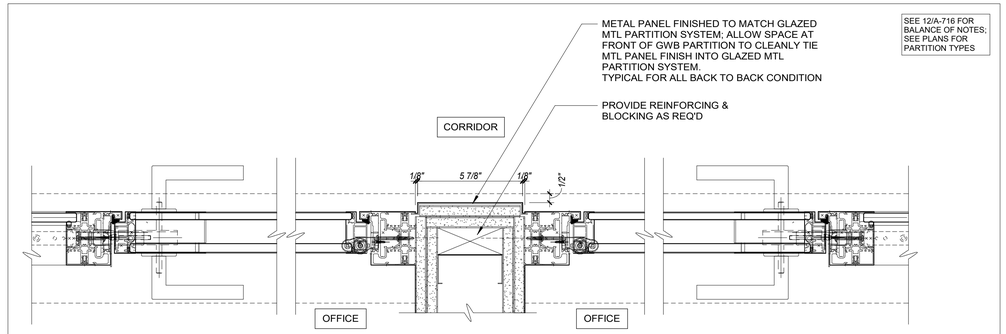
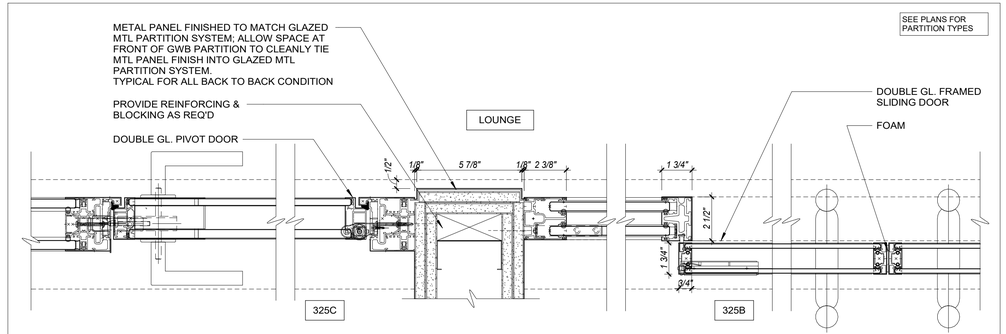


07 PLAN DTL- @ CONF.RM 425 CORNER
SCALE: 3" = 1'-0"



06 PLAN DTL- TYP. BACK TO BACK DOORS AT GWB PARTITION
SCALE: 3" = 1'-0"



05 PLAN DTL- BACK TO BACK DOORS (SLIDING DOOR) AT GWB PARTITION
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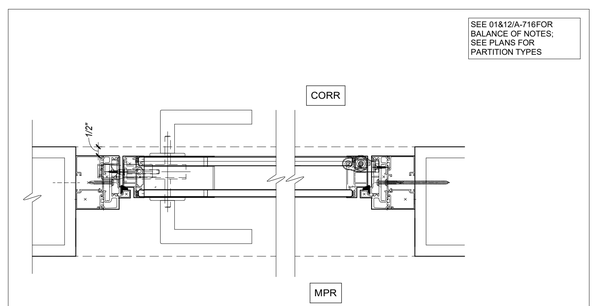

04 PLAN DTL- GL.PART. DOOR @ MPR
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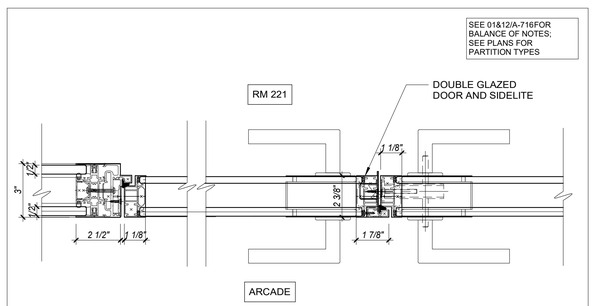
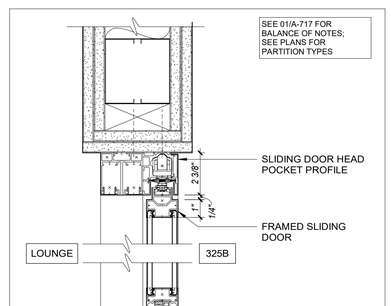
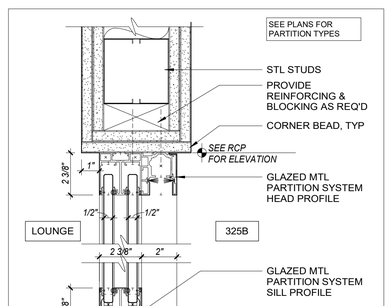


03 PLAN DTL- GL.PART. DOOR @ MEETING ROOM 221
SCALE: 3" = 1'-0"



02 SECTION- DOUBLE GL.PART. SLIDING DOOR
SCALE: 3" = 1'-0"



01 SECTION- DOUBLE GL.PART. PANEL @ SLIDING
SCALE: 3" = 1'-0"

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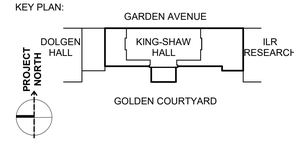


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

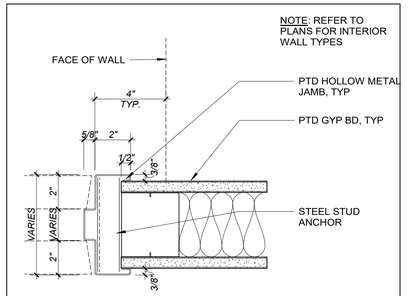
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

GLAZED PARTITION SYSTEM DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 3" = 1'-0"**

A-717



04 **JAMB DETAIL @ HM FRAME**
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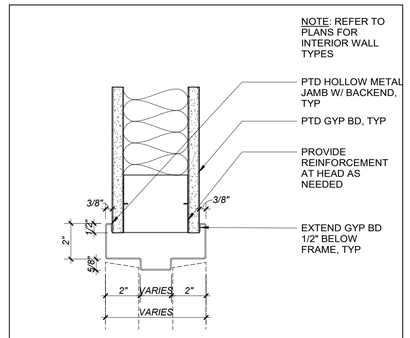
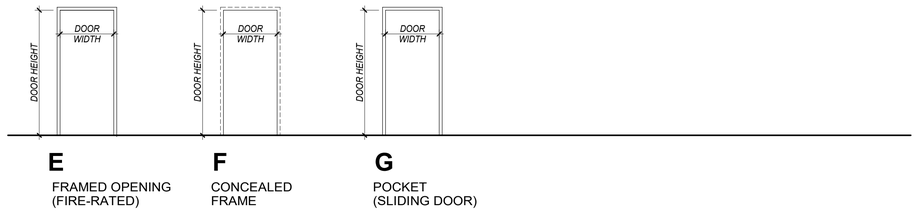
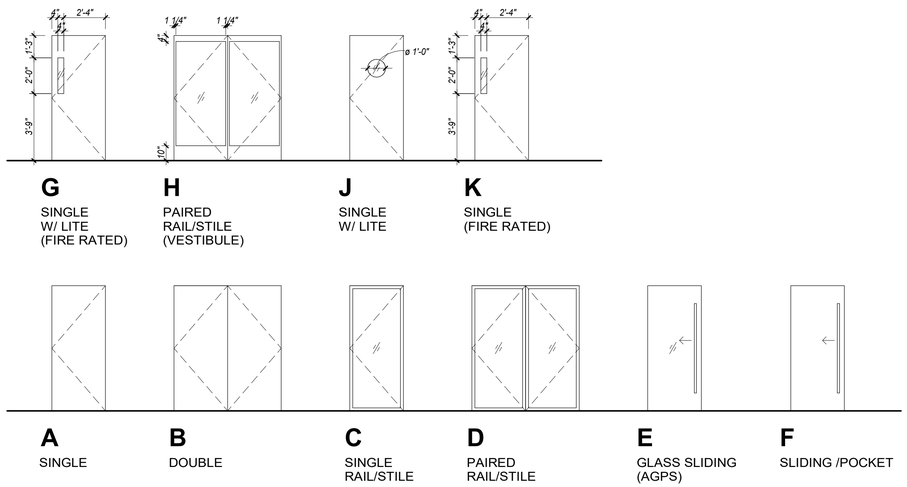


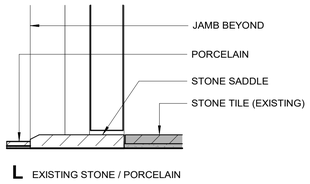
03 **HEAD DETAIL @ HM FRAME**
SCALE: 3" = 1'-0"



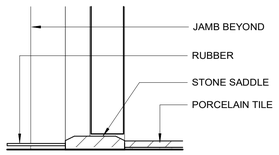
02 **FRAME TYPES**
SCALE: 1/4" = 1'-0"



01 **DOOR TYPES**
SCALE: 1/4" = 1'-0"

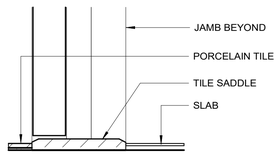


L EXISTING STONE / PORCELAIN

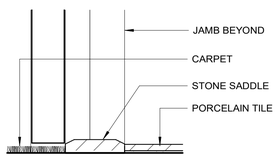


G RUBBER / PORCELAIN TILE

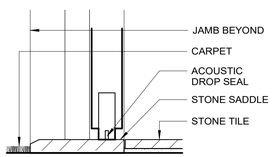
H TILE / SLAB (STAIR)



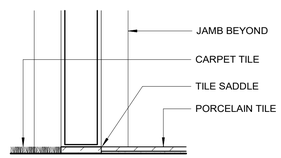
J STONE / SLAB (STAIR)



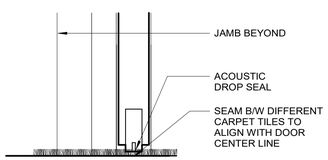
D CARPET TILE / PORCELAIN TILE



E CARPET TILE / STONE



F CARPET TILE / RUBBER



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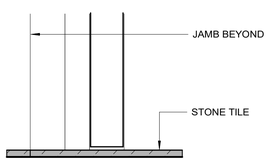
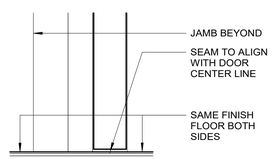


B STONE TILE / STONE TILE (EXISTING)



C RUBBER / RUBBER

05 **THRESHOLD TYPES**
SCALE: 3" = 1'-0"

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17067
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ISSUE/REVISION:

NO.	DATE	COMMENTS

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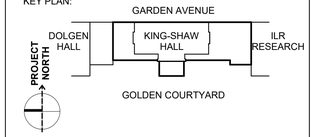
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DOOR & FRAME TYPES AND DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-718

DOOR NO.	ROOM. NO.	ROOM NAME	DIMENSIONS		DOOR HEIGHT	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	DETAILS			HDWR	CARD READER	DOOR LABEL	REMARKS
			DOOR WIDTH	DOOR WIDTH 2						HEAD	JAMB	TSHLD				
SECOND FLOOR																
221.1	221	MEETING ROOM	3'-0"	3'-0"	6'-9 1/2"	D	AGPS	C	AGPS	04/A-716	03/A-717	05E/A-718	E2	CR		
221.2	221	MEETING ROOM	3'-0"	0"	6'-9 1/2"	C	AGPS	B	AGPS	04/A-716	14/A-716	05A/A-718	E1	CR		
221A.1	221A	AV CLOSET	2'-0"	2'-0"	7'-8"	B	WD	F	WD	05/A-724	01/A-724	05A/A-718	8			
221B.1	221B	STOR.	3'-0"	0"	7'-8"	A	WD	F	WD	05/A-724	01/A-724	05A/A-718	9			
221C.1	221C	STOR.	2'-9"	2'-9"	7'-8"	B	WD	F	WD	05/A-724	01/A-724	05A/A-718	8			
221D.1	221D	STOR.	2'-9"	0"	7'-8"	A	WD	F	WD	05/A-724	01/A-724	05A/A-718	9			
221E.1	221E	STOR.	2'-0"	0"	7'-8"	A	WD	F	WD	05/A-724	01/A-724	05A/A-718	9			
225.1	225	ILR SUITE	3'-0"	3'-0"	7'-5 1/2"	D	AGPS	C	AGPS	03/A-716	10/A-716	05K/A-718	E2	CR		
225.2	225	ILR SUITE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	03/A-716	11/A-716	05A/A-718	E1	CR		
225B.1	225B	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
225C.1	225C	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
225D.1	225D	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
225G.1	225G	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
225H.1	225H	MEETING RM	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
226.1	226	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
227.1	227	STOR.	2'-10"	2'-10"	7'-6"	B	HM	A	HM	03/A-718	04/A-718	05B/A-718	4A			
228.1	228	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
229.1	229	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
233.2	233	PREP ROOM	3'-2"	0"	7'-0"	J	HM	A	HM	03/A-718	04/A-718	05L/A-718	5			DOUBLE SWING DOOR
233.3	233	PREP ROOM	2'-6"	0"	7'-0"	A	HM	A	HM	03/A-718	04/A-718	05B/A-718	4A			
20062.1	20062	JANITOR	3'-0"	0"	7'-6"	A	HM	A	HM	03/A-718	04/A-718	05G/A-718	2			
20065.1	20044	ELEV. CORR.	2'-10"	0"	7'-6"	A	HM	A	HM	03/A-718	04/A-718	05B/A-718	2A			
STR A.2	20003	STAIR A	3'-0"	0"	7'-3 1/2"	G	WD	A	HM			05J/A-718	3		B	
STR B.2	20004	STAIR B	3'-0"	0"	7'-3 1/2"	G	WD	A	HM			05J/A-718	3		B	
THIRD FLOOR																
321.1	321	ADMIN	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	03/A-716	11/A-716	05A/A-718	E1	CR		
321A.1	321A	DIRECTORS OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
321B.1	321B	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
321C.1	321C	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
323.1	323	VEST.	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	03/A-716	11/A-716	05A/A-718	E1	CR		
323A.1	323A	TOUCH DOWN	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
324.1	324	STORAGE	2'-0"	2'-0"	7'-0"	B	HM	A	HM	03/A-712	04/A-712	05A/A-718	4C			
325A.1	325A	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
325B.1	325B	CONF. RM.	2'-9"	2'-9"	7'-5 1/2"	E	AGPS	C	AGPS	02/A-717	05/A-717	05A/A-718	11			
325C.1	325C	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
326.1	326	PHONEBOOTH	3'-0"	0"	7'-0"	A	HM	A	HM	03/A-718	04/A-718	05A/A-718	E1A	CR		
329.1	329	ADMIN	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	03/A-716	11/A-716	05A/A-718	E1	CR		
329A.1	329A	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
329B.1	329B	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
329C.1	329C	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
329D.1	329D	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
329E.1	329E	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
30048.1	30048	VESTIBULE	3'-6"	3'-6"	7'-5 1/2"	H	AGPS	C	AGPS	07/A-711	06/A-711		6			
30048.2	30048	VESTIBULE	2'-6"	0"	7'-4"	A	HM	F	HM	03/A-718	04/A-718		2B			
30063.1	30044	CORRIDOR	2'-8"	2'-8"	7'-0"	B	HM	A	HM	03/A-718	04/A-718	05A/A-718	4A			
STR A.3	30003	STAIR A	3'-0"	0"	7'-5 1/2"	K	WD	A	HM			05H/A-718	E3	CR	B	
STR B.3	30004	STAIR B	3'-0"	0"	7'-5 1/2"	K	WD	A	HM			05H/A-718	E3	CR	B	
FOURTH FLOOR																
421.1	421	EXECUTIVE ASSIST.	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	06/A-716	11/A-716	05A/A-718	E1	CR		
421A.1	421A	DEAN OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	D	AGPS	07/A-716	13/A-716	05A/A-718	1			
421B.1	421B	CONF. RM.	3'-0"	0"	7'-5 1/2"	C	AGPS	D	AGPS	07/A-716	13/A-716	05A/A-718	1			
421B.2	421B	CONF. RM.	1'-10"	0"	7'-6"	A	HM	A	HM	03/A-718	04/A-718	05A/A-718	9			
421B.3	421B	CONF. RM.	1'-10"	1'-10"	7'-6"	B	HM	A	HM	03/A-718	04/A-718	05A/A-718	8			
422.1	422	STOR.	3'-0"	3'-0"	7'-0"	B	WD	A	WD	03/A-718	04/A-718	05A/A-718	4A			
423A.1	423A	TOUCHDOWN	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	13/A-716	05A/A-718	E1	CR		
424.1	424	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	03/A-716	11/A-716	05A/A-718	E1A	CR		
424A.1	424A	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
424B.1	424B	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
425.1	425	CONFERENCE ROOM	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	13/A-716	05A/A-718	E1	CR		
426.1	426	PANTRY	3'-0"		7'-0"	F	HM	G	HM	03/A-718	04/A-718	05F/A-718	7			
429.1	429	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	03/A-716	11/A-716	05A/A-718	E1	CR		
429A.1	429A	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
429B.1	429B	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-718	1			
429C.1	429C	OFFICE	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	12/A-716	05A/A-712	1			
429D.1	429D	STOR.	2'-6"	0"	7'-6"	A	HM	A	HM	03/A-718	04/A-718	05A/A-718	2B			
40062.1	40062	J.C.	2'-10"	0"	7'-0"	A	WD	A	WD	03/A-718	04/A-718	05D/A-718	2			
STR A.4	40003	STAIR A	3'-0"	0"	7'-5 1/2"	K	WD	A	HM			05H/A-718	E3	CR	B	
STR B.4	40004	STAIR B	3'-0"	0"	7'-5 1/2"	K	WD	A	HM			05H/A-718	E3	CR	B	
FIFTH FLOOR																
525.1	525	MULTIPURPOSE ROOM	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	14/A-717	05A/A-718	E3	CR		
525.2	525	MULTIPURPOSE ROOM	3'-0"	0"	7'-5 1/2"	C	AGPS	B	AGPS	04/A-716	14/A-717	05A/A-718	E3	CR		
525A.1	525A	STORAGE	3'-0"	0"	7'-6"	A	HM	A	HM	03/A-718	04/A-718	05A/A-718	2B	CR		
525B.1	525B	STORAGE	3'-0"	0"	7'-6"	A	HM	A	HM	03/A-718	04/A-718	05A/A-718	2B	CR		

EXISTING																
SECOND FLOOR																
233.1	233	PREP ROOM											E4	CR		
FIFTH FLOOR																
524.1	524	STORAGE											E4	CR		
530.1	530	AV ROOM											E4	CR		
532.1	532	MECHANICAL RM											E4	CR		
50003.1	50003	STAIR A											E4	CR		
50004.1	50004	STAIR B											E4	CR		

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REGISTERED ARCHITECT CAROL LOEWENBERG STATE OF NEW YORK 17067

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NO.	DATE	COMMENTS

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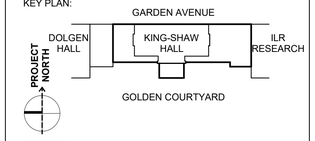
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

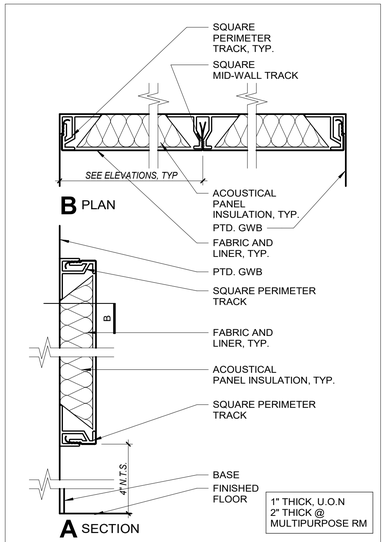
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DOOR SCHEDULE

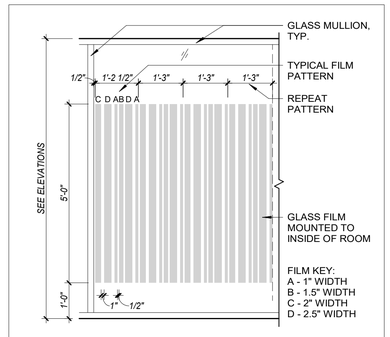
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

A-719



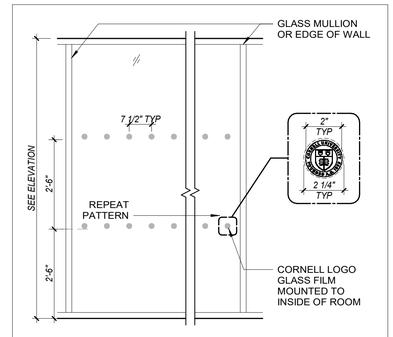
11 DETAIL - TYP FABRIC PANELS

SCALE: 6" = 1'-0"



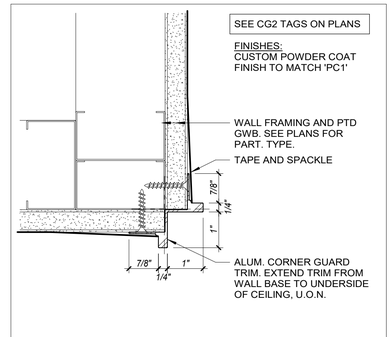
10 GLASS FILM - PRIVACY

SCALE: 1/2" = 1'-0"



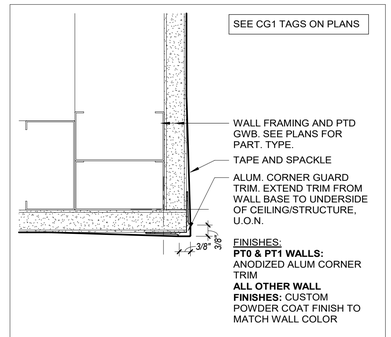
09 GLASS FILM - MARKING

SCALE: 1/2" = 1'-0"



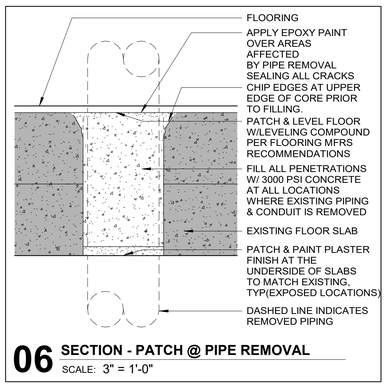
08 PLAN - CORNER GUARD CG2

SCALE: 6" = 1'-0"



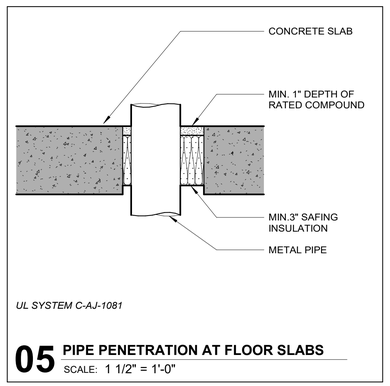
07 PLAN - CORNER GUARD CG1

SCALE: 6" = 1'-0"



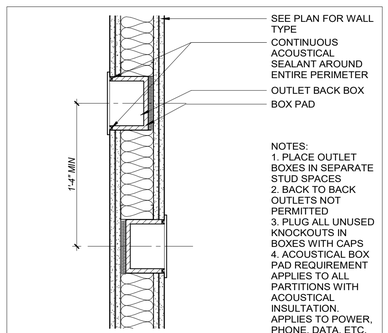
06 SECTION - PATCH @ PIPE REMOVAL

SCALE: 3" = 1'-0"



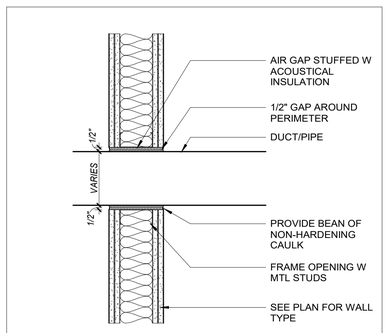
05 PIPE PENETRATION AT FLOOR SLABS

SCALE: 1 1/2" = 1'-0"



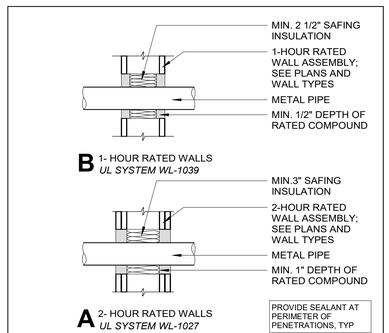
04 PLAN - WALL BOX SEPARATION

SCALE: 1 1/2" = 1'-0"



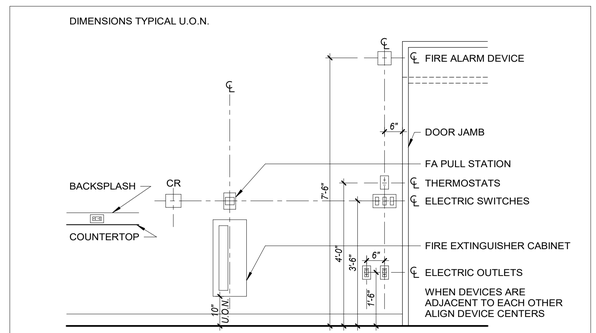
03 PIPE/DUCT PENETRATION AT WALLS

SCALE: 1 1/2" = 1'-0"



02 PIPE PENETRATIONS AT WALLS

SCALE: 1 1/2" = 1'-0"



01 TYPICAL DEVICE MOUNTING HEIGHTS

SCALE: 1/2" = 1'-0"

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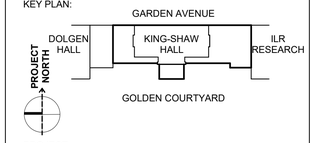
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

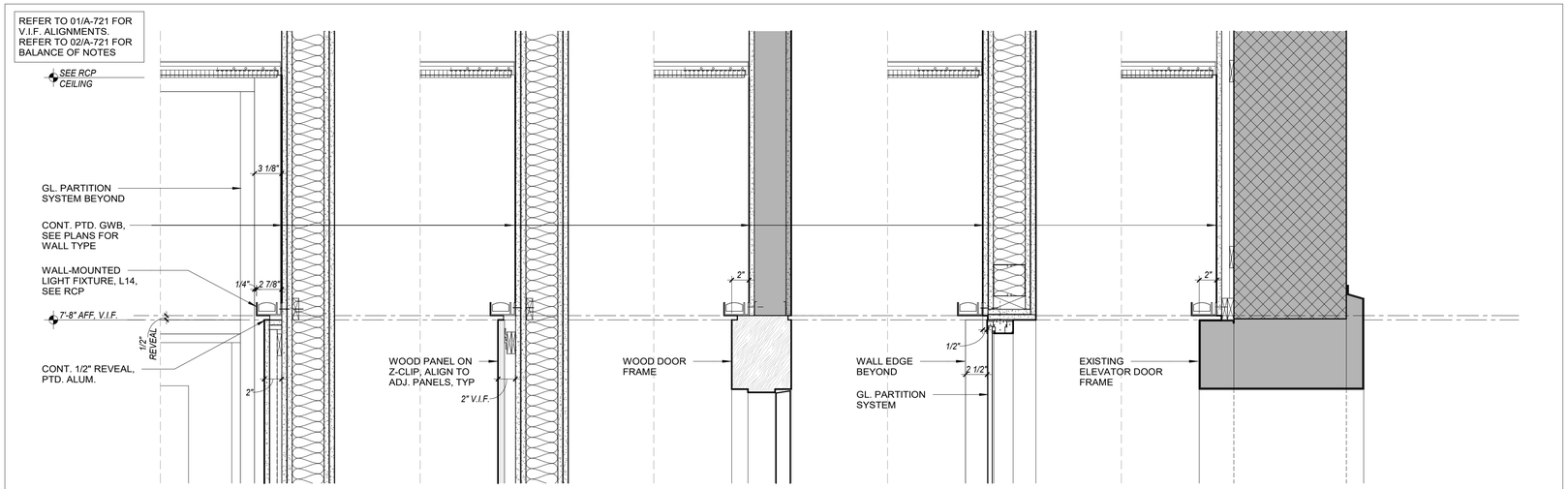
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

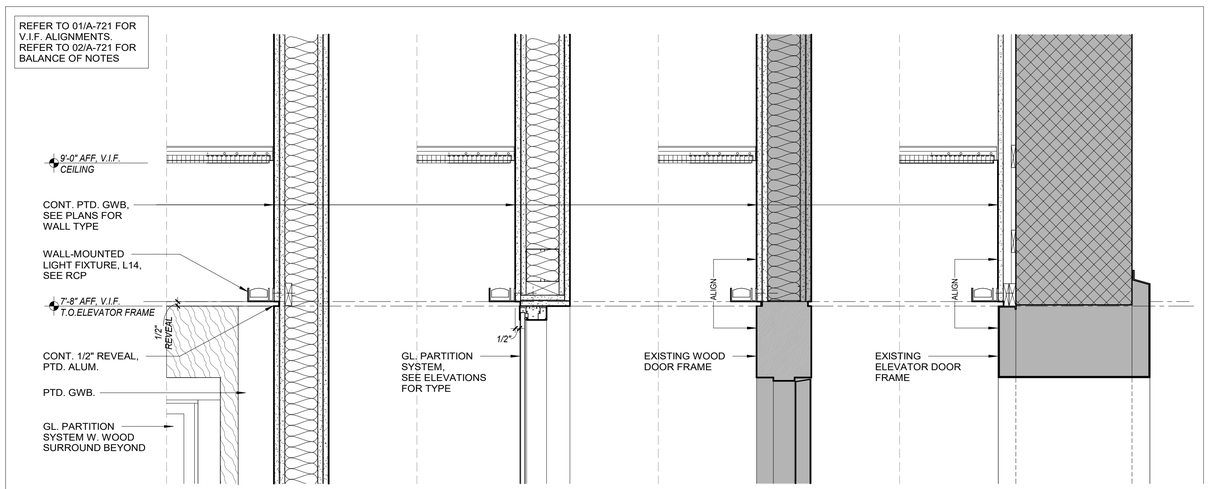
TYPICAL INTERIOR DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

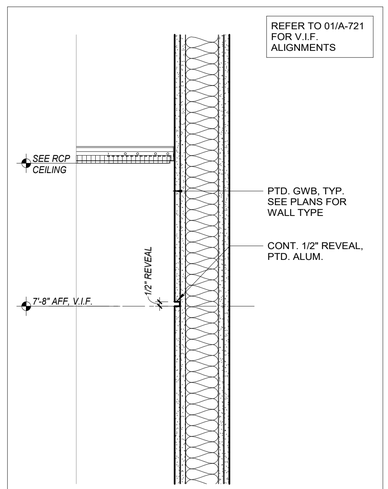
A-720



04 SECTION - THIRD & FOURTH FL CORR. E. ELEVATION @ REVEAL & L14
SCALE: 1 1/2" = 1'-0"

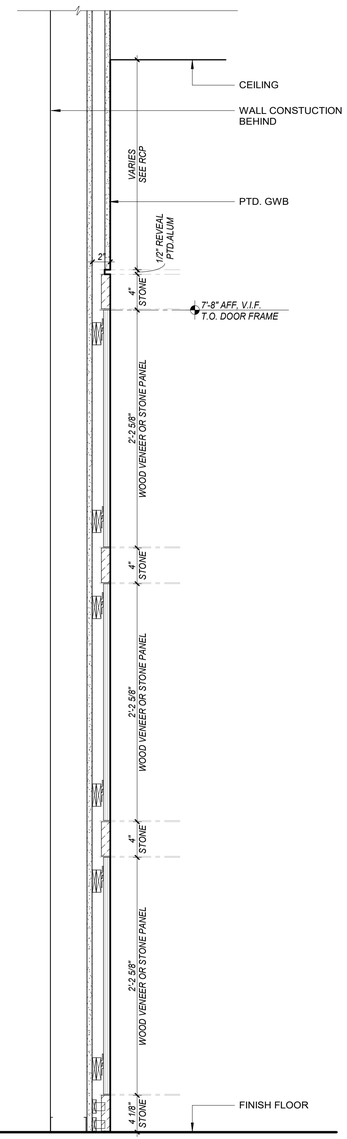


03 SECTION - SECOND FL CORR. E. ELEVATION @ REVEAL & L14
SCALE: 1 1/2" = 1'-0"



02 SECTION @ REVEAL, TYP
SCALE: 1 1/2" = 1'-0"

NOTE:
1. SEE PLAN FOR PARTITION TYPES
2. ALIGNMENT OF FOLLOWING ELEMENTS TO BE DICTATED BY EXISTING WALL PANEL REVEALJOINTS LOCATIONS.
- STONE / WOOD BASE AND REPURPOSED WOOD PANELS
- WOOD FRAMED OPENINGS AND WINDOWS @ ARCADE
- FABRIC WRAPPED WALL PANELS
- MTL PLATED OPENING @ 3RD FL LOUNGE
- TOP OF GLAZED PARTITION SYSTEMS
- TYP. GWB AND PTD. ALUM REVEALS



EXISTING STONE & WOOD PANELS / STONE PANELS (FOR REFERENCE)

01 WALL PANEL ALIGNMENTS
SCALE: 1 1/2" = 1'-0"

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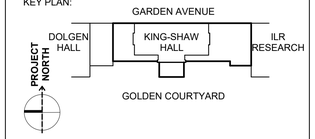


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

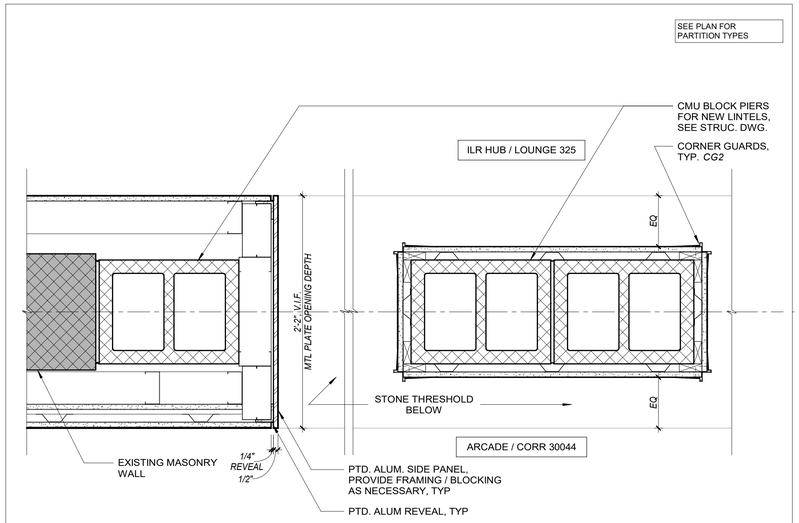
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

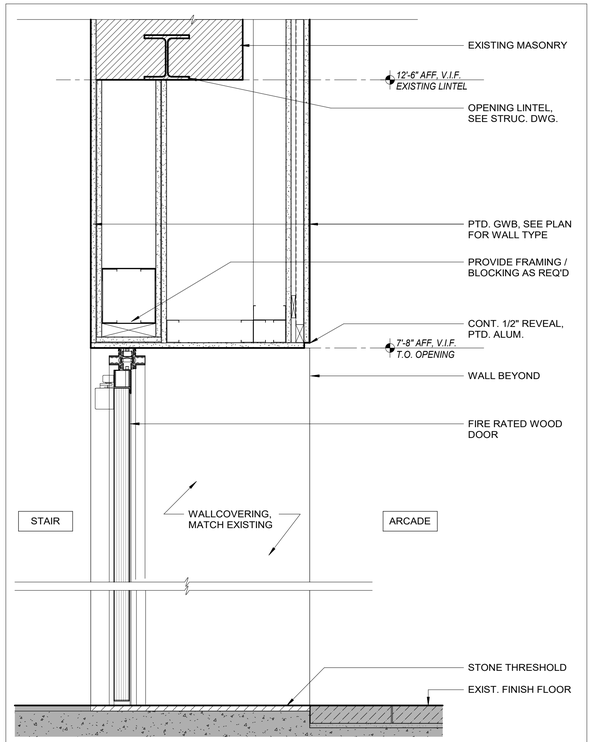
INTERIOR DETAILS - WALL SECTIONS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1 1/2" = 1'-0"**

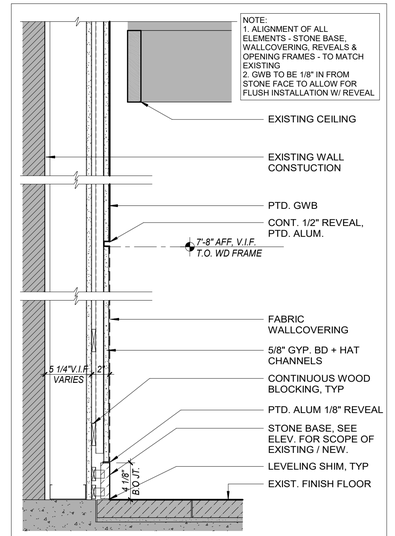
A-721



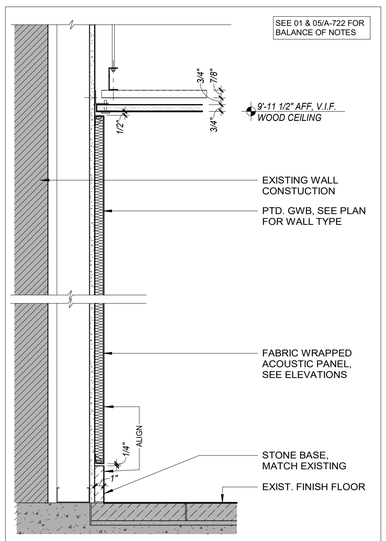
07 PLAN DTL - MTL SURROUND OPENING @ ILR HUB & BPP LOUNGE 325
SCALE: 1 1/2" = 1'-0"



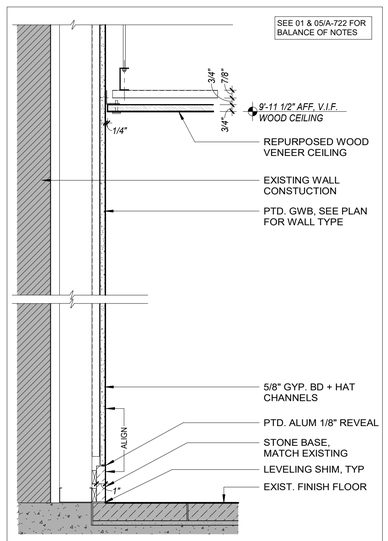
06 SECTION - RATED DOOR @ ARCADE
SCALE: 1 1/2" = 1'-0"



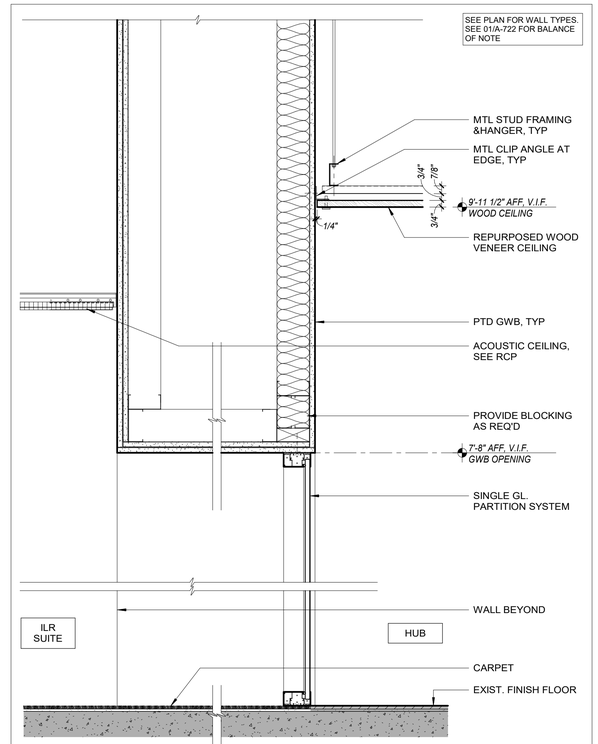
05 SECTION - FWC @ ARCADE
SCALE: 1 1/2" = 1'-0"



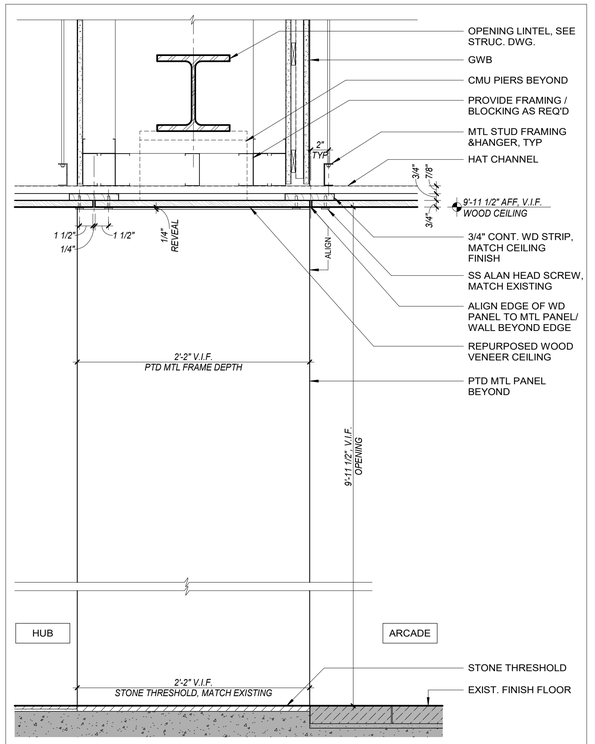
04 SECTION - FWAP @ ILR HUB
SCALE: 1 1/2" = 1'-0"



03 SECTION - TYP GYP WALL @ ILR HUB
SCALE: 1 1/2" = 1'-0"



02 SECTION - ILR SUITE ENTRY
SCALE: 1 1/2" = 1'-0"



01 SECTION - OPENING @ ILR HUB
SCALE: 1 1/2" = 1'-0"

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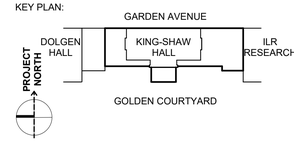
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

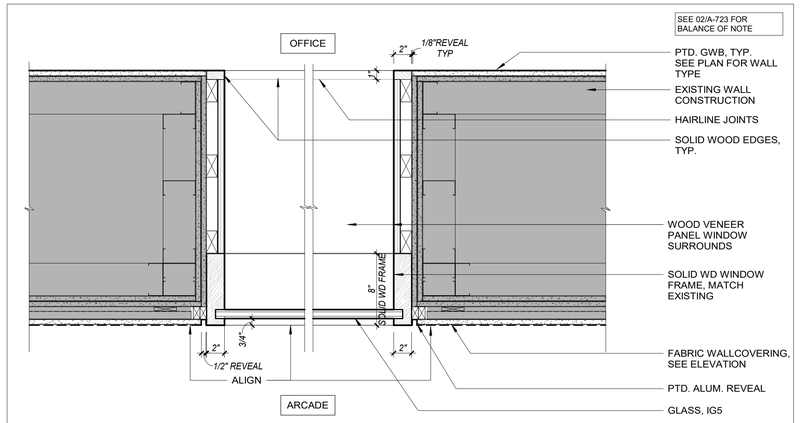
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

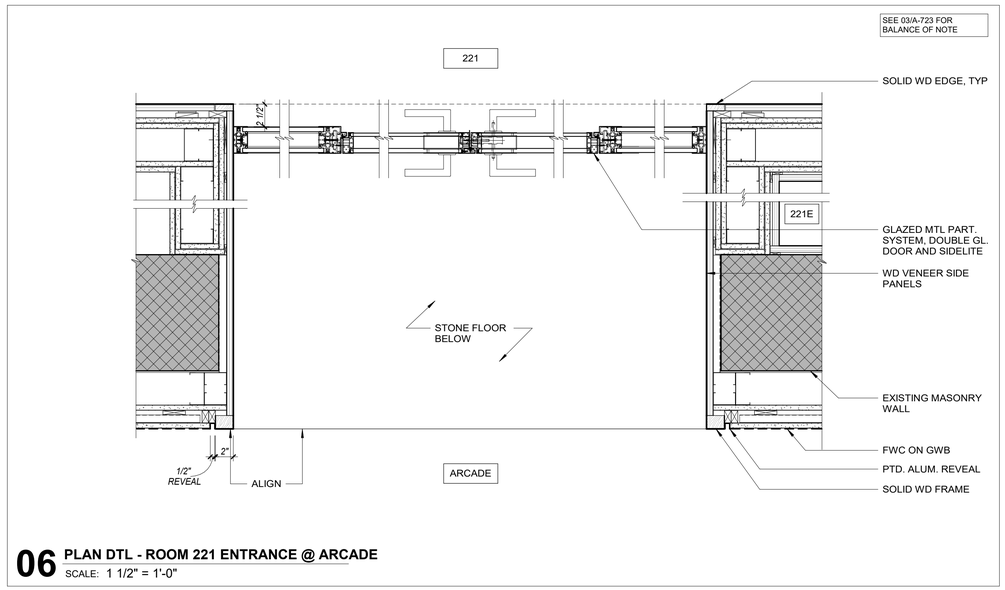
INTERIOR DETAILS - SECOND FL ARCADE OPENINGS AND WINDOWS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1 1/2" = 1'-0"**

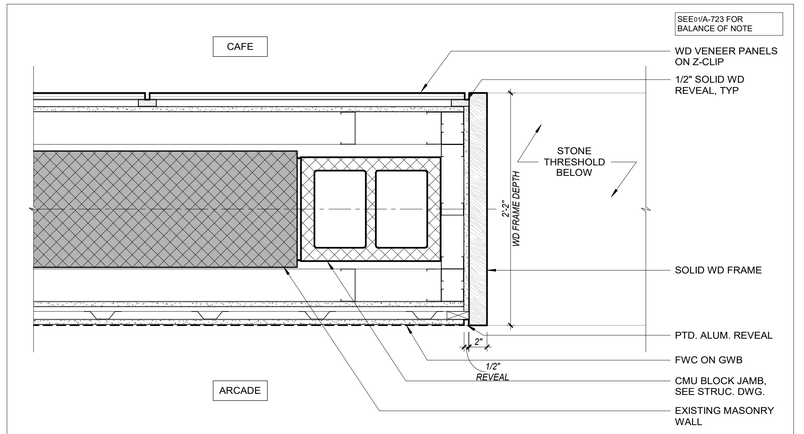
A-722



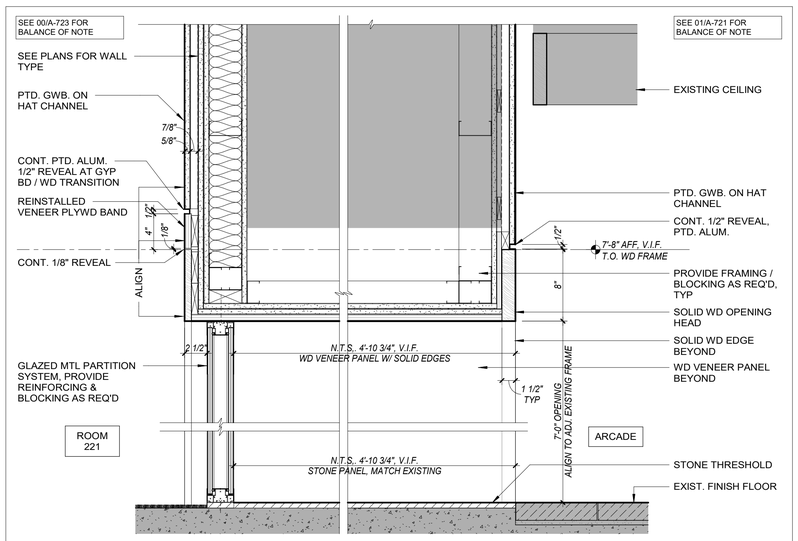
05 PLAN DTL - WD FRAME WINDOW @ ARCADE
SCALE: 1 1/2" = 1'-0"



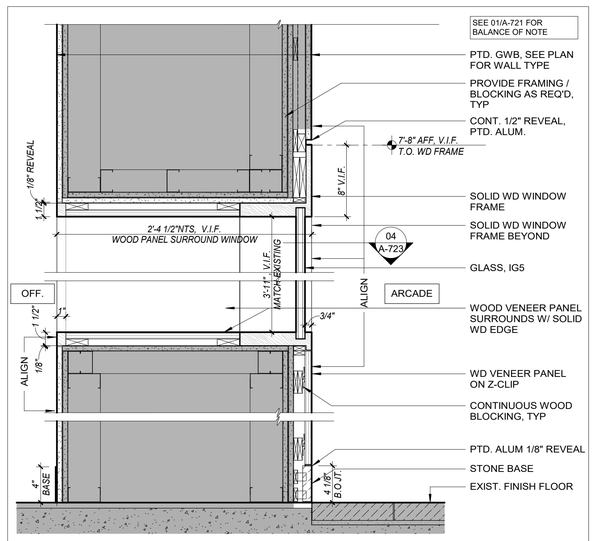
06 PLAN DTL - ROOM 221 ENTRANCE @ ARCADE
SCALE: 1 1/2" = 1'-0"



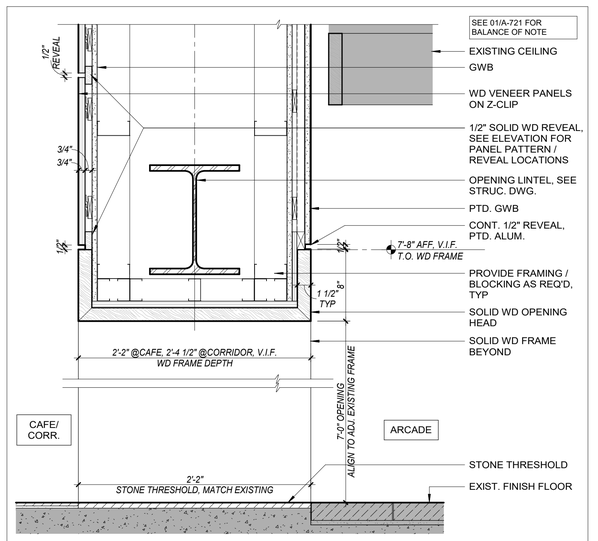
04 PLAN DTL - WD FRAME OPENING & FWC @ ARCADE
SCALE: 1 1/2" = 1'-0"



03 SECTION - ROOM 221 ENTRANCE @ ARCADE
SCALE: 1 1/2" = 1'-0"



02 SECTION - WD FRAME WINDOW @ ARCADE
SCALE: 1 1/2" = 1'-0"



01 SECTION - WD FRAME OPENING @ ARCADE
SCALE: 1 1/2" = 1'-0"

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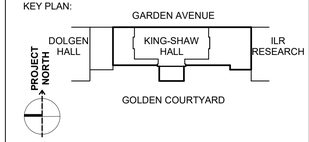


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

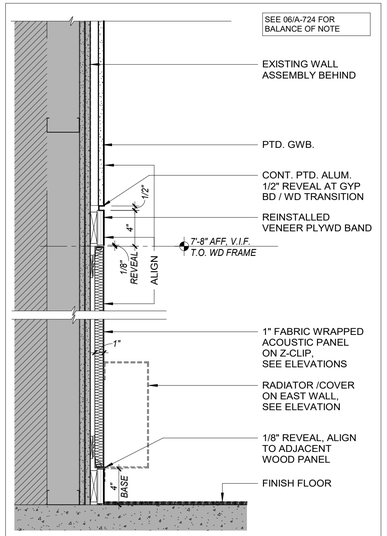
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

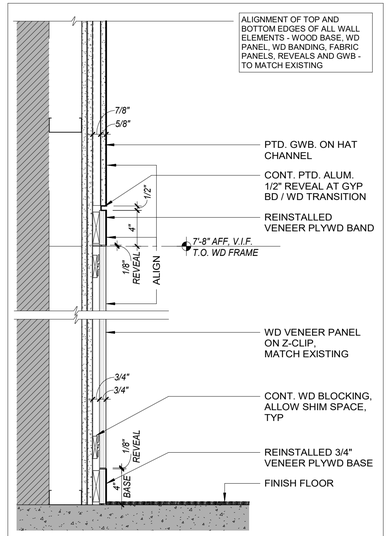
INTERIOR DETAILS - SECOND FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1 1/2" = 1'-0"**

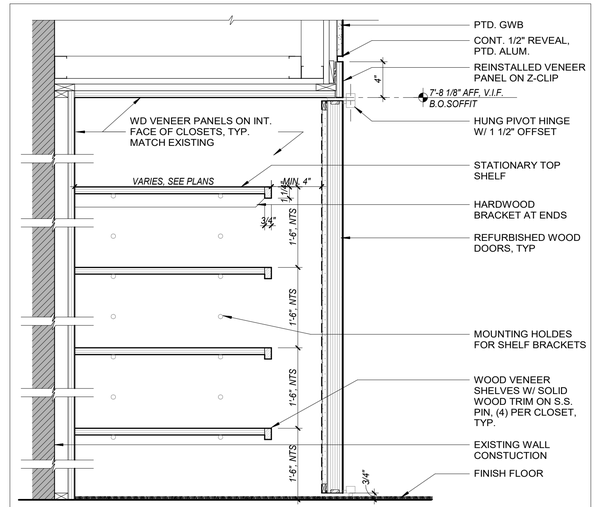
A-723



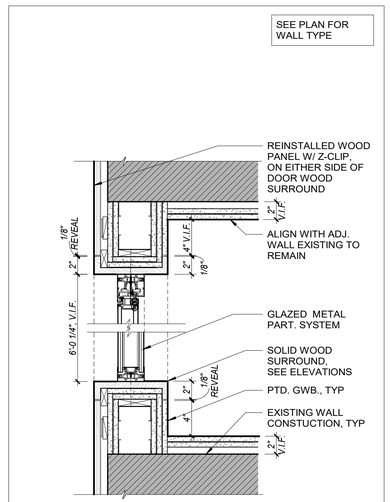
07 SECTION - ROOM 221 FWAP
SCALE: 1 1/2" = 1'-0"



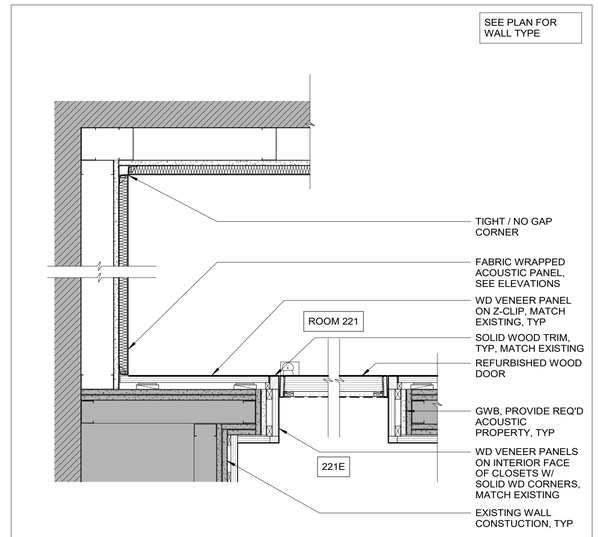
06 SECTION - ROOM 221 WD WALL PANEL
SCALE: 1 1/2" = 1'-0"



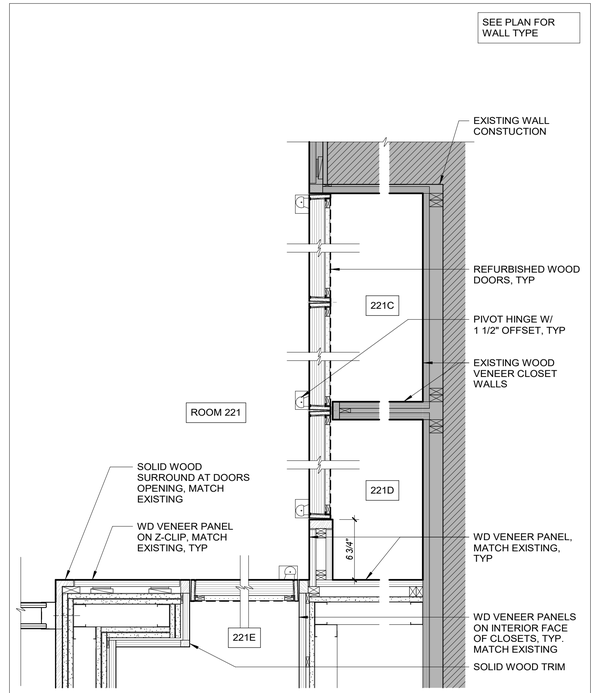
05 SECTION DETAIL - STORAGE CLOSET W/ WD PANELS & SHELVES
SCALE: 1 1/2" = 1'-0"



03 PLAN DETAIL - ROOM 221 ILR ENTRANCE
SCALE: 1 1/2" = 1'-0"



02 PLAN DETAIL - ROOM 221 NW CORNER
SCALE: 1 1/2" = 1'-0"



01 PLAN DETAIL - ROOM 221 CLOSETS
SCALE: 1 1/2" = 1'-0"

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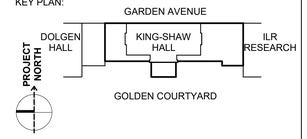


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

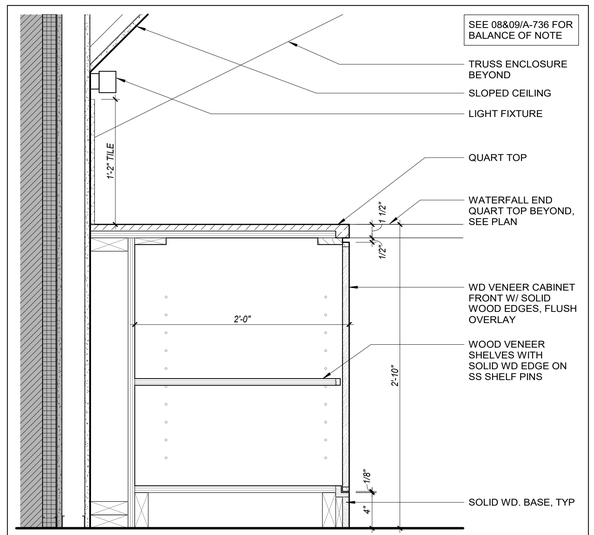
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

INTERIOR DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1 1/2" = 1'-0"**

A-724



06 SECTION - MPR COUNTER
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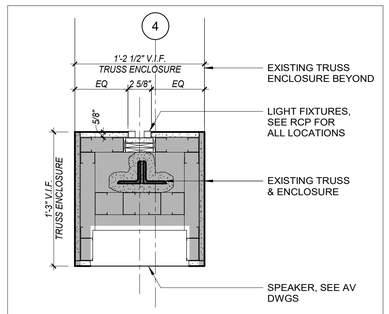
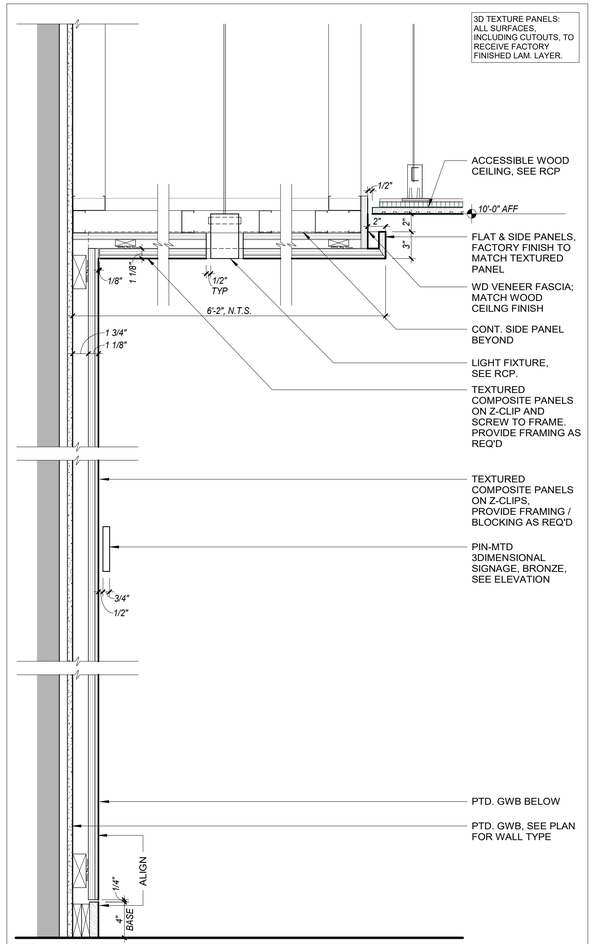
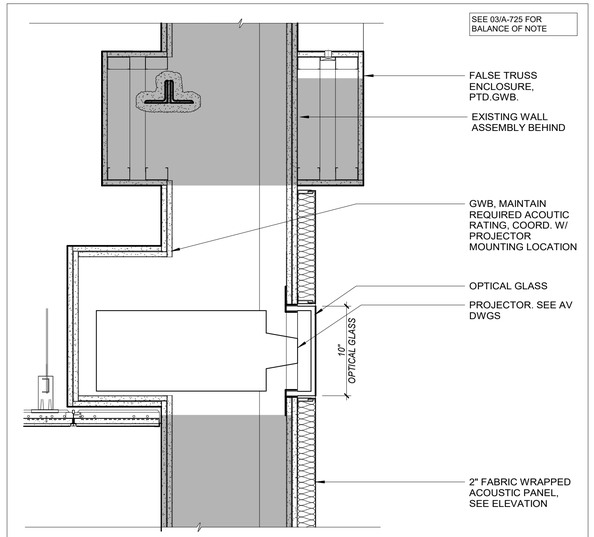


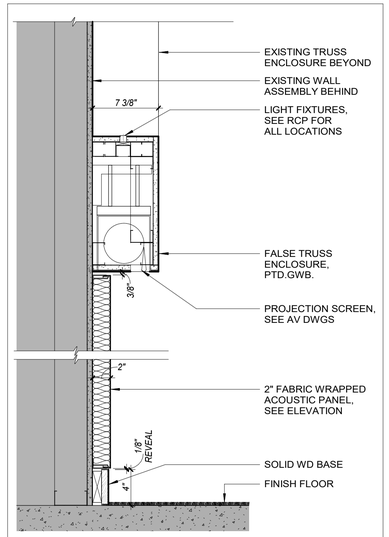
05 SECTION DTL - MPR TRUSS ENCLOSURE
SCALE: 1 1/2" = 1'-0"



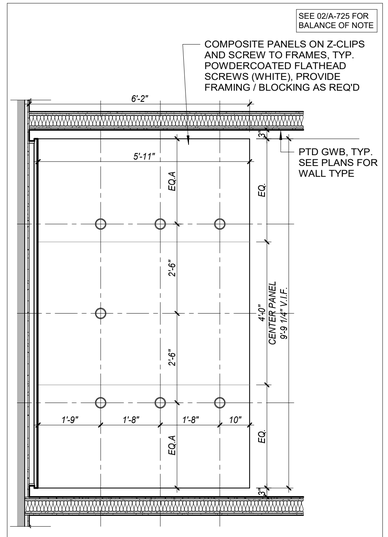
02 SECTION - TEXTURED COMPOSITE PANEL WALL&CEILNG
SCALE: 1 1/2" = 1'-0"



04 SECTION - MPR NORTH WALL
SCALE: 1 1/2" = 1'-0"



03 SECTION - MPR SOUTH WALL
SCALE: 1 1/2" = 1'-0"



01 ENLARGED RCP - COMPOSITE PANEL WALL
SCALE: 1/2" = 1'-0"

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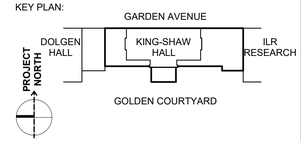
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

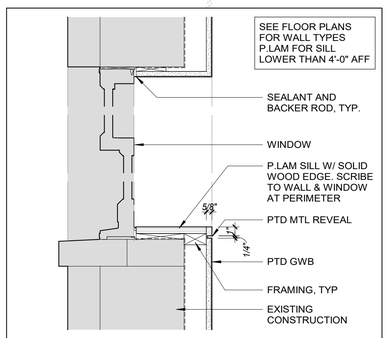
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

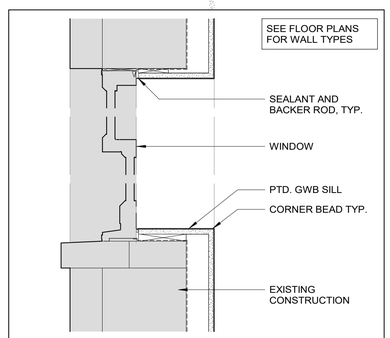
INTERIOR DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

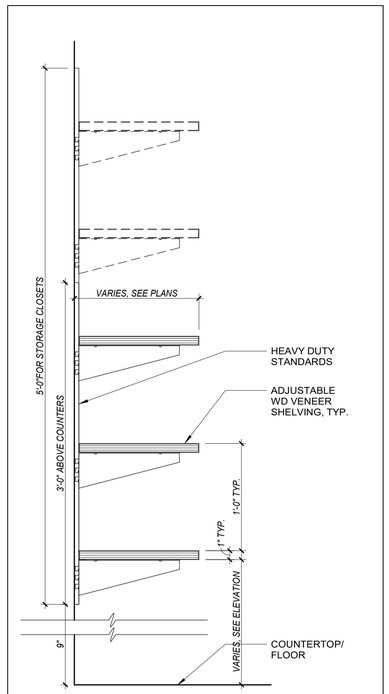
A-725



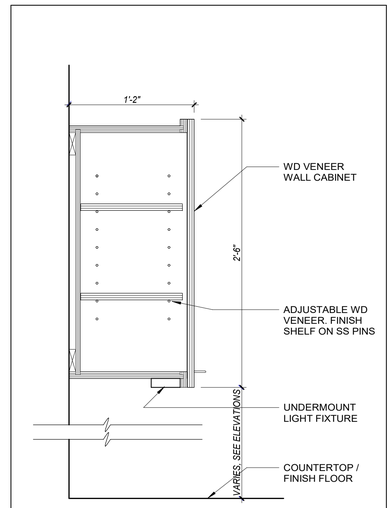
08 SECTION - WINDOW SILL P.LAM.
SCALE: 1 1/2" = 1'-0"



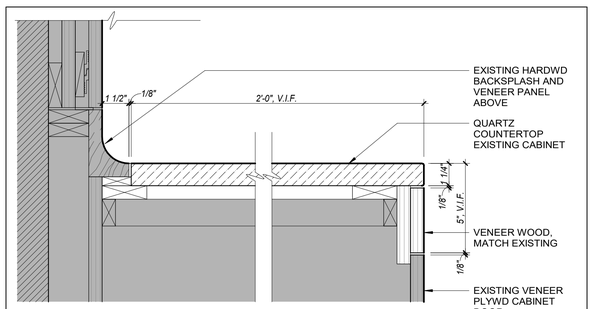
07 SECTION - WINDOW SILL GYP
SCALE: 1 1/2" = 1'-0"



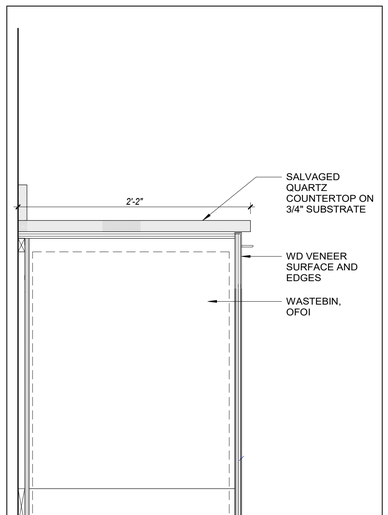
04 SECTION - ADJ. WALL SHELVING
SCALE: 1 1/2" = 1'-0"



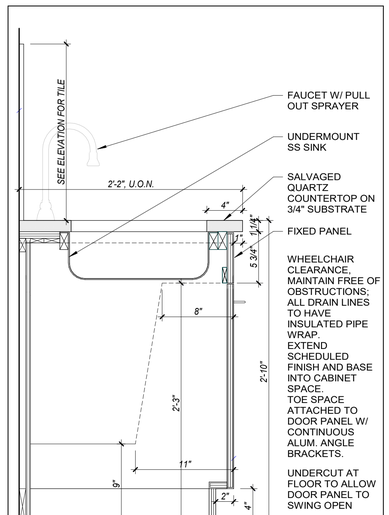
03 SECTION - WALL CABINET W/ ADJ. SHELVING
SCALE: 1 1/2" = 1'-0"



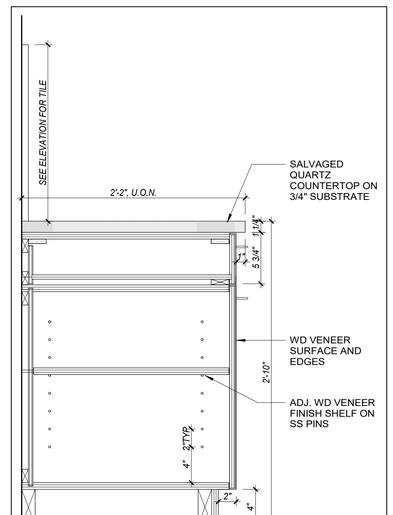
06 COUNTERTOP @ ROOM 221
SCALE: 3" = 1'-0"



05 STONE COUNTERTOP CABINET
SCALE: 1 1/2" = 1'-0"



02 SINK W/ STONE COUNTERTOP
SCALE: 1 1/2" = 1'-0"



01 CASEWORK W/ STONE COUNTERTOP
SCALE: 1 1/2" = 1'-0"

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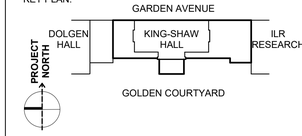
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

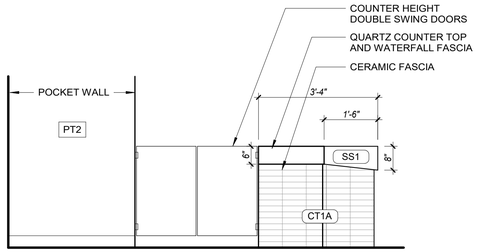
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

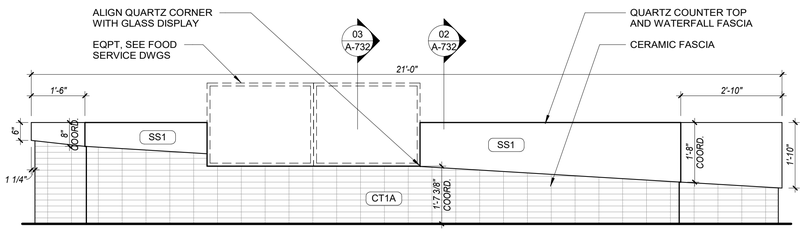
MILLWORK - TYPICAL DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

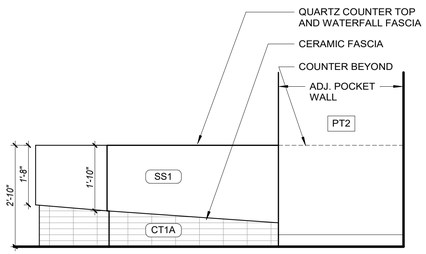
A-730



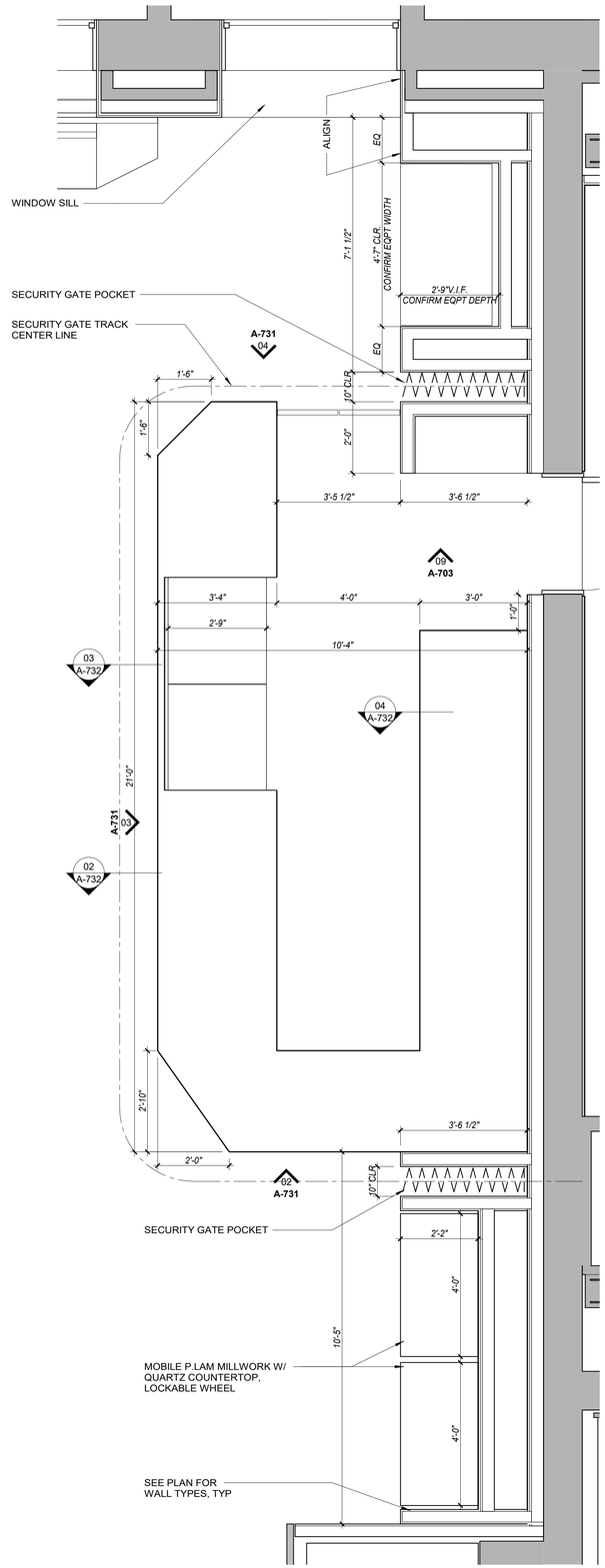
04 CAFE COUNTER SIDE ELEVATION - WEST
SCALE: 1/2" = 1'-0"



03 CAFE COUNTER FRONT ELEVATION
SCALE: 1/2" = 1'-0"



02 CAFE COUNTER SIDE ELEVATION - EAST
SCALE: 1/2" = 1'-0"



01 CAFE COUNTER PLAN
SCALE: 1/2" = 1'-0"

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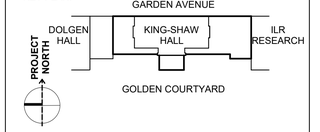
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

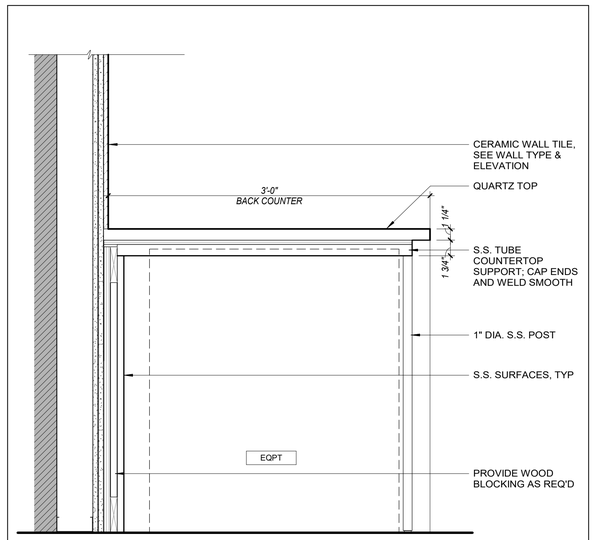
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

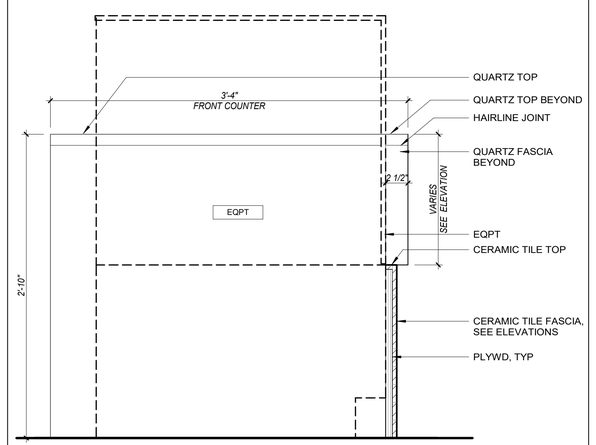
MILLWORK - CAFE SERVERY COUNTER

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/2" = 1'-0"**

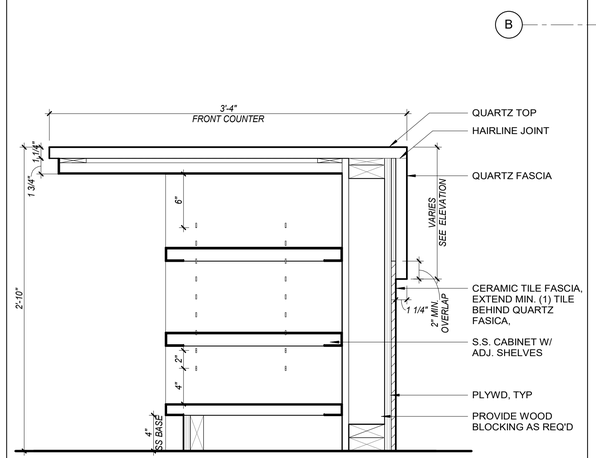
A-731



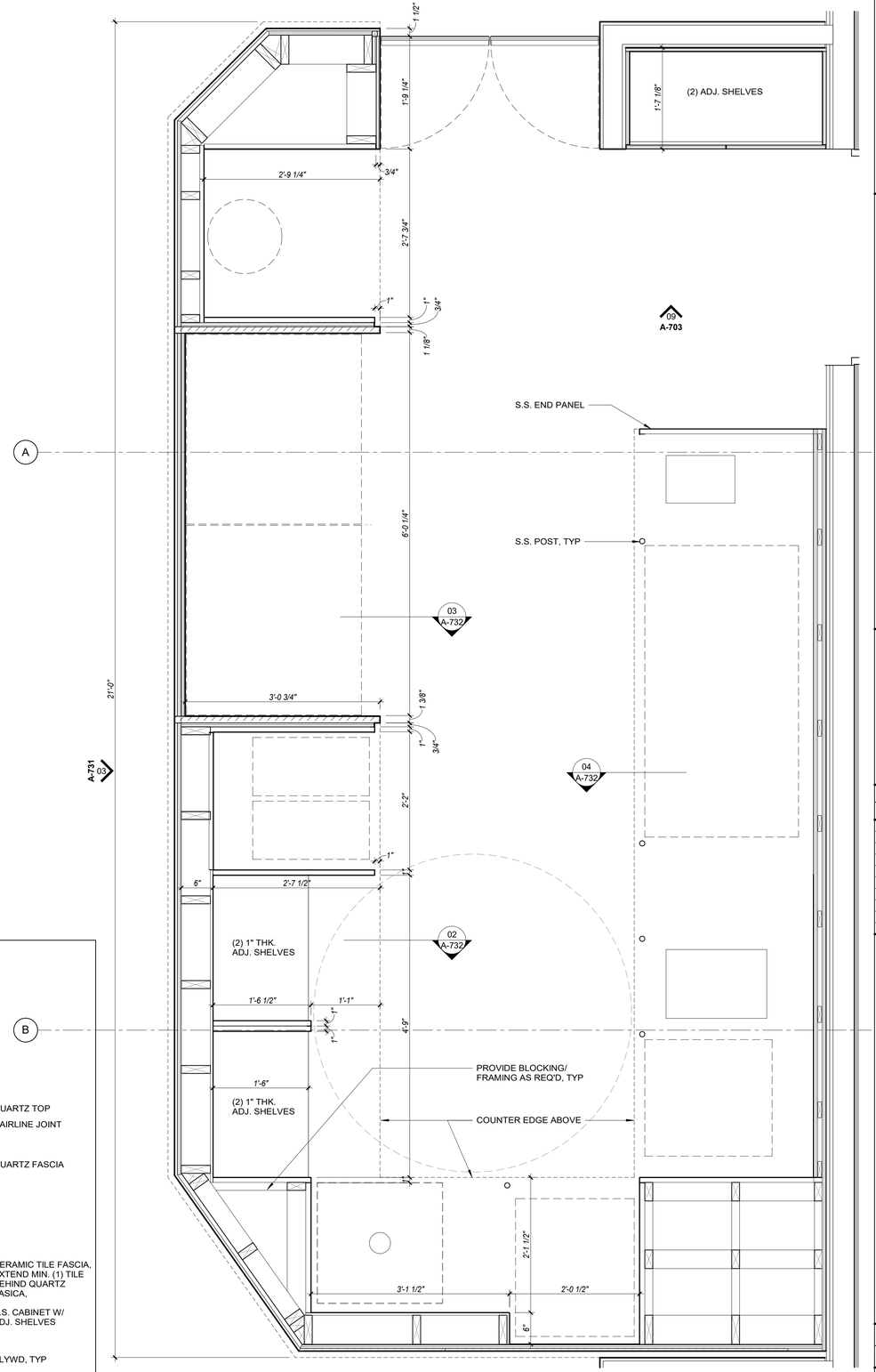
04 SECTION - CAFE COUNTER, BACK
SCALE: 1 1/2" = 1'-0"



03 SECTION - CAFE COUNTER, FRONT @ EQPT
SCALE: 1 1/2" = 1'-0"



02 SECTION - CAFE COUNTER, FRONT - SHELVING
SCALE: 1 1/2" = 1'-0"



ALL SURFACE -S.S., U.O.N.

01 PLAN DETAIL - CAFE COUNTER
SCALE: 1" = 1'-0"

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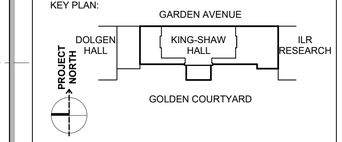


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

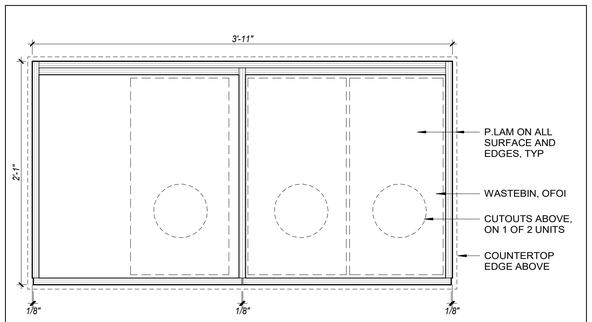
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

MILLWORK - CAFE CASEWORK DETAILS

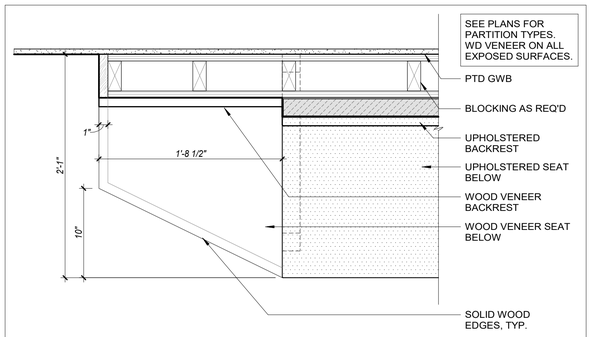
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-732



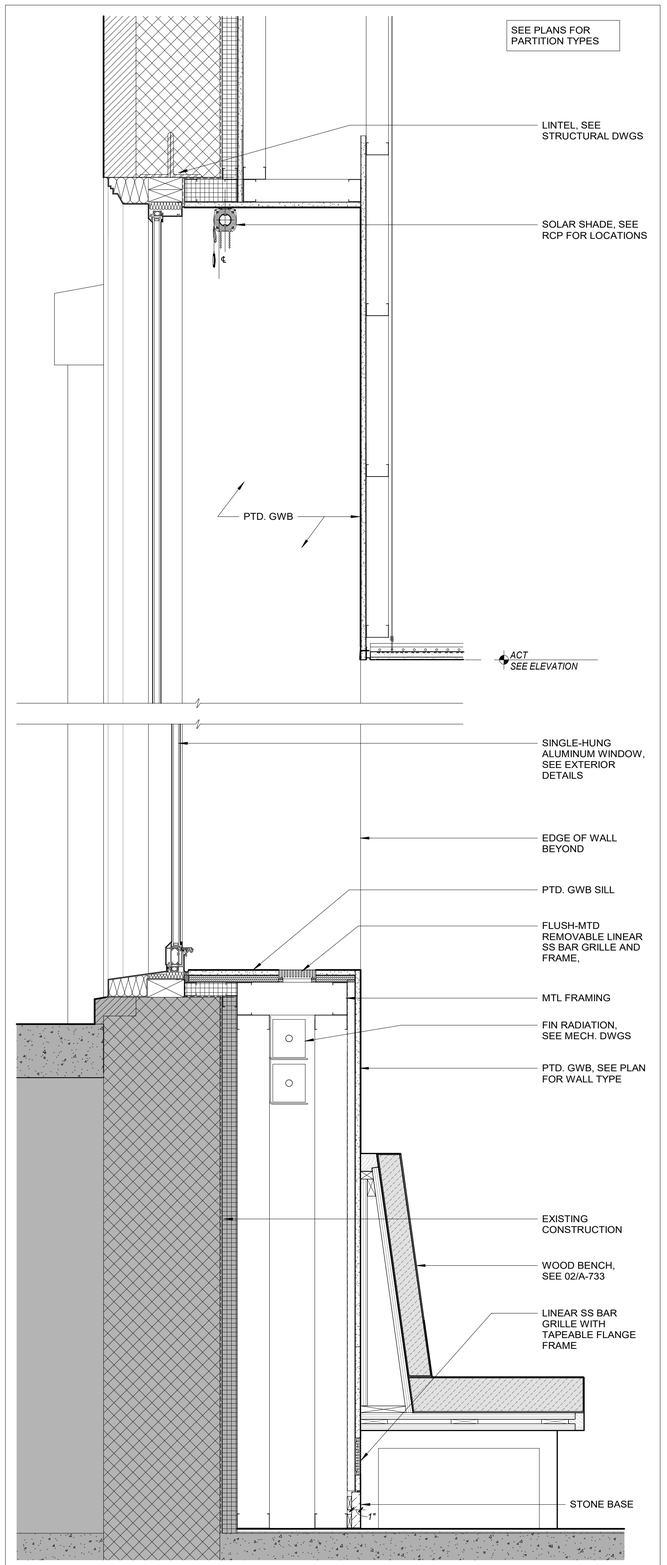
08 PLAN DTL - P.LAM MOBILE UNIT AT CAFE

SCALE: 1 1/2" = 1'-0"



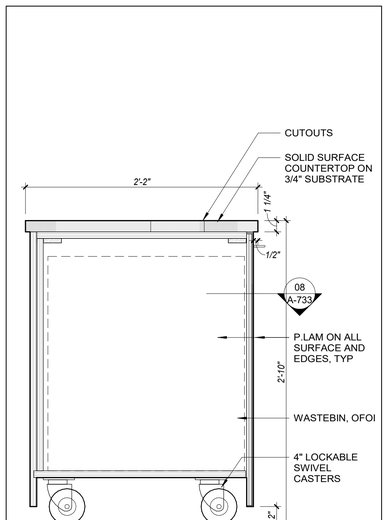
04 PLAN DETAIL - CAFE BENCH @ ENDS

SCALE: 1 1/2" = 1'-0"



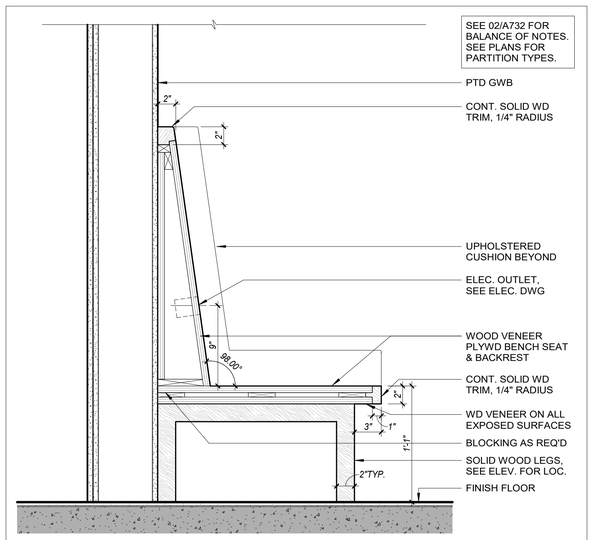
01 SECTION - WINDOW @ CAFE

SCALE: 1 1/2" = 1'-0"



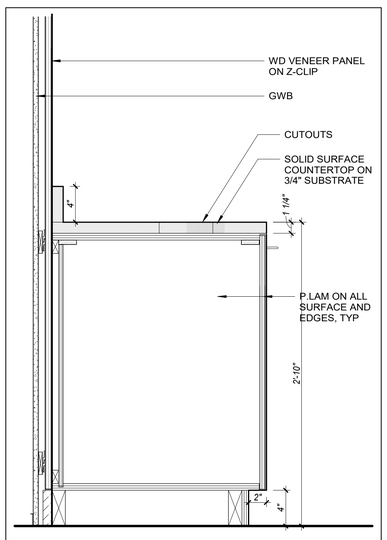
07 SECTION - P.LAM MOBILE UNIT AT CAFE

SCALE: 1 1/2" = 1'-0"



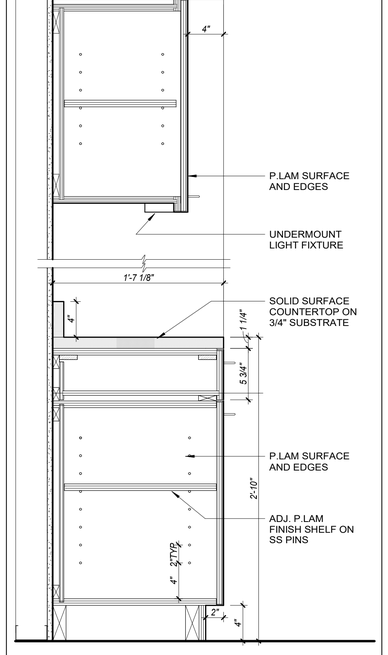
03 SECTION - CAFE BENCH @ WOOD VENEER PANELS

SCALE: 1 1/2" = 1'-0"



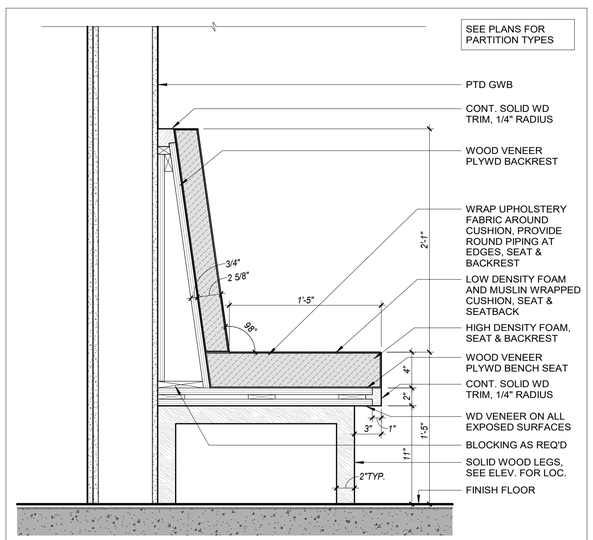
06 SECTION - CAFE CASEWORK

SCALE: 1 1/2" = 1'-0"



05 SECTION - CAFE SERVERY P.LAM STORAGE

SCALE: 1 1/2" = 1'-0"



02 SECTION - CAFE BENCH @ UPHOLSTERED CUSHION

SCALE: 1 1/2" = 1'-0"

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KEY PLAN:

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

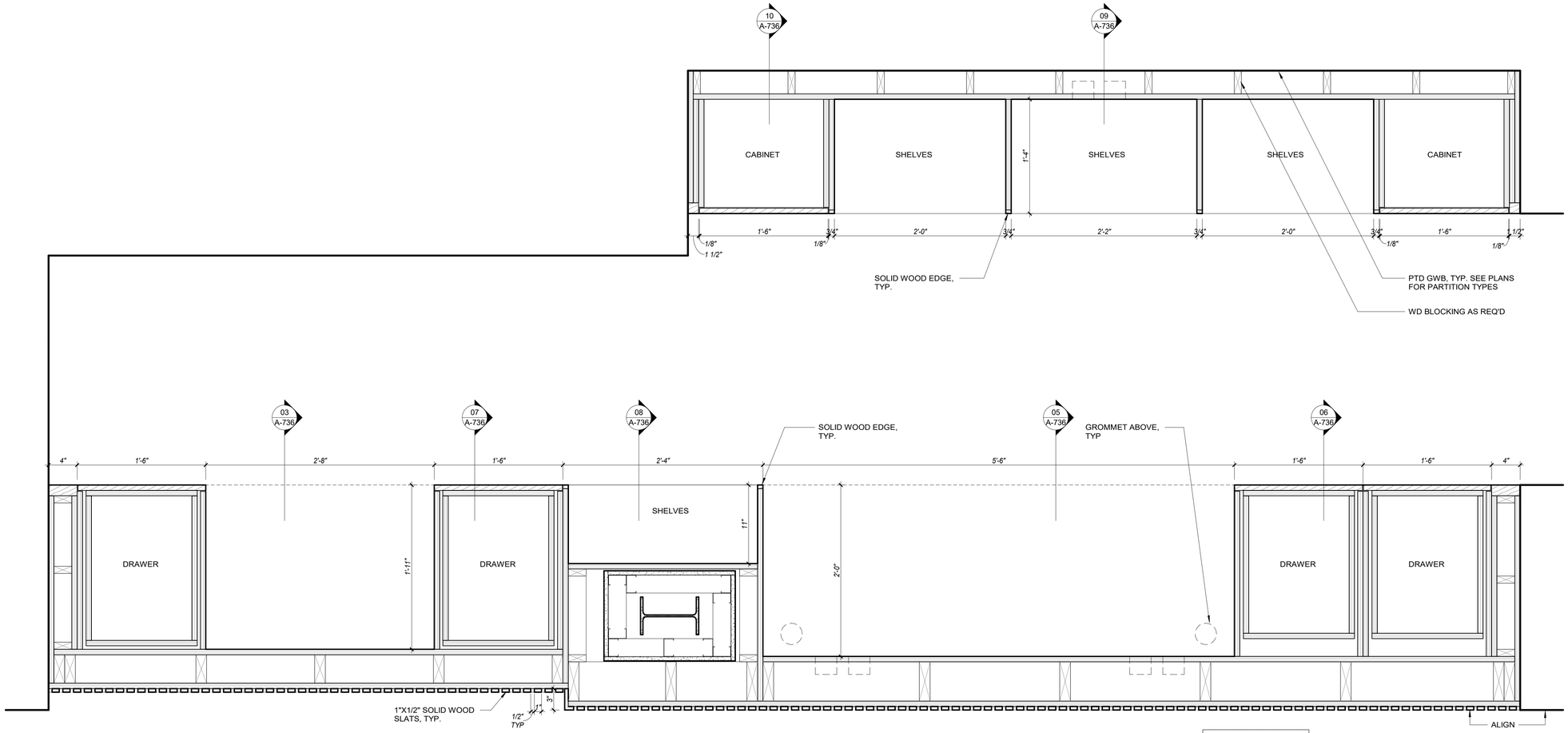
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

MILLWORK - CAFE CASEWORK AND BENCH DETAILS

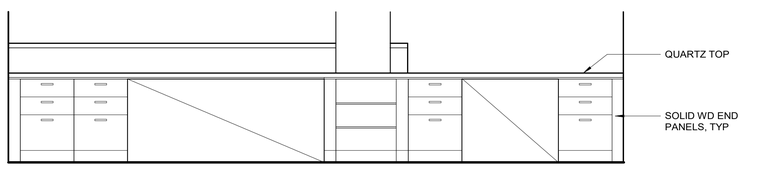
PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1 1/2" = 1'-0"

A-733

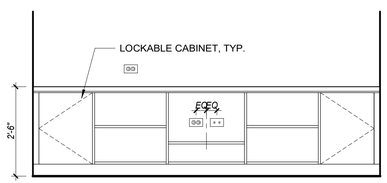


NOTE: WOOD VENEER ON OUTTER AND INNER SURFACES & EDGES.

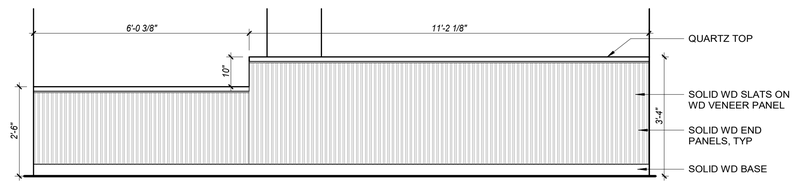
05 ILR RECEPTION DESK PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



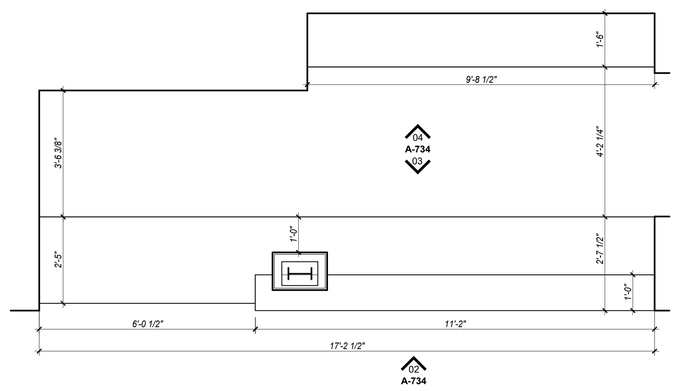
03 ILR RECEPTION DESK SERVICE COUNTER ELEV.
SCALE: 1/2" = 1'-0"



04 ILR RECEPTION SUPPORT DESK
SCALE: 1/2" = 1'-0"



02 ILR RECEPTION DESK FRONT ELEV.
SCALE: 1/2" = 1'-0"



01 ILR RECEPTION DESK PLAN
SCALE: 1/2" = 1'-0"

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ISSUE/REVISION:

NO.	DATE	COMMENTS

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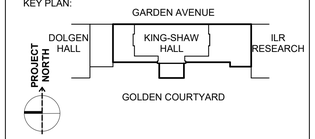
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

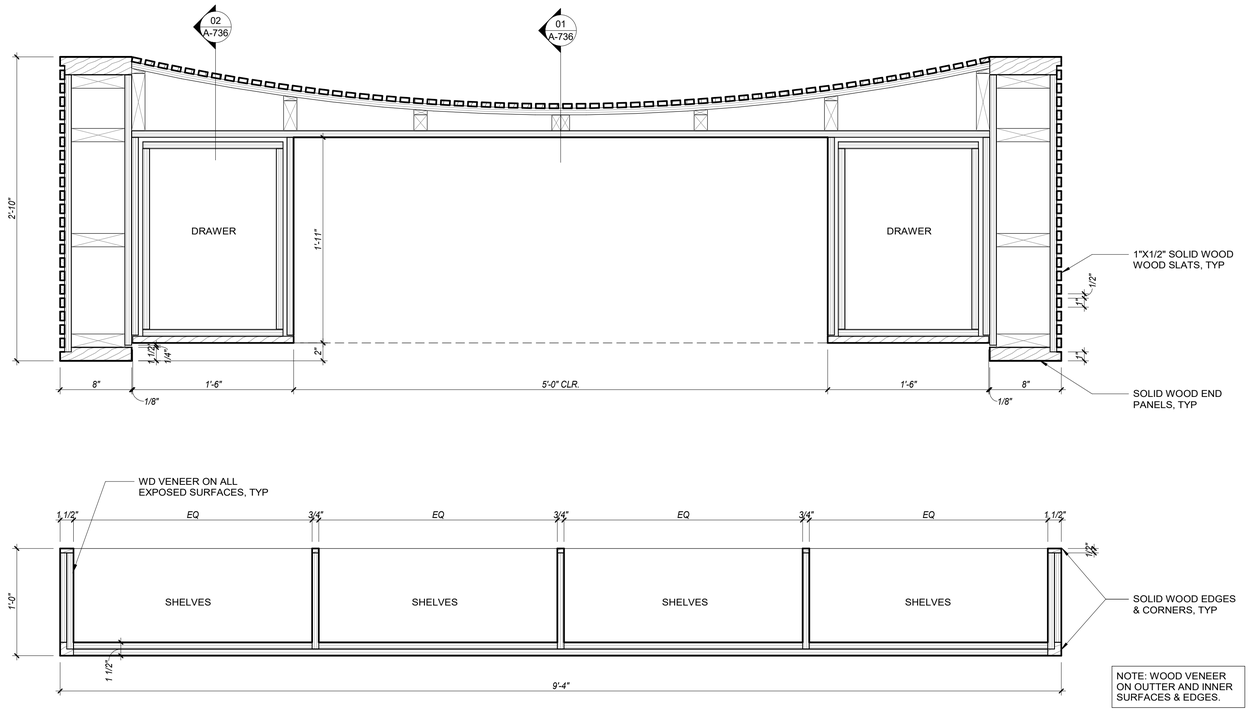
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

MILLWORK - SECOND FLOOR ILR RECEPTION DESK

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

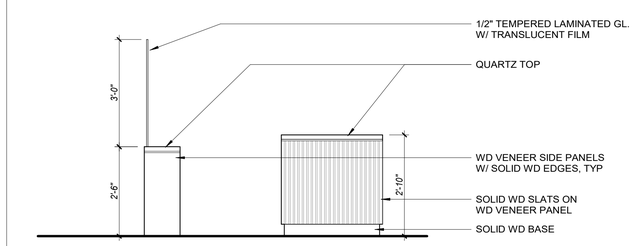
A-734



NOTE: WOOD VENEER ON OUTTER AND INNER SURFACES & EDGES.

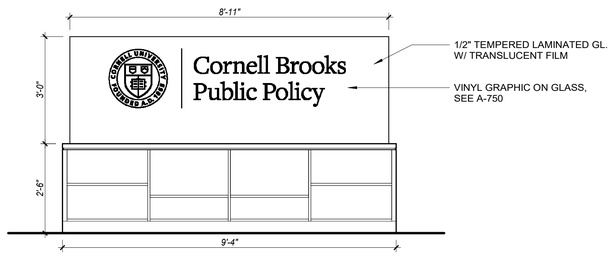
06 BPP RECEPTION DESK PLAN DETAIL

SCALE: 1 1/2" = 1'-0"



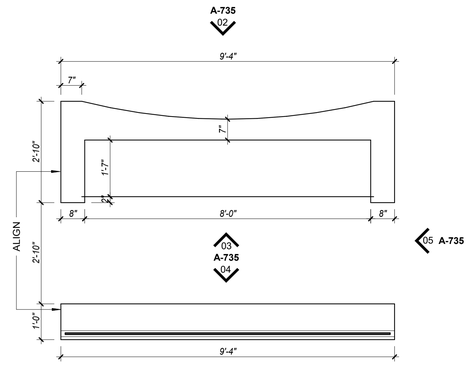
05 BPP RECEPTION SIDE ELEV.

SCALE: 1/2" = 1'-0"



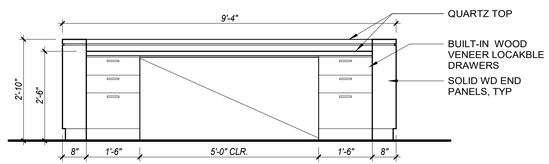
04 BPP RECEPTION DESK SUPPORT

SCALE: 1/2" = 1'-0"



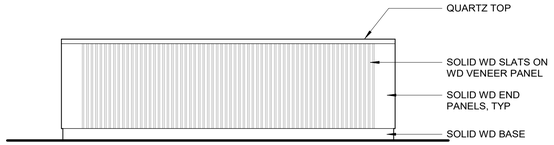
01 BPP RECEPTION DESK PLAN

SCALE: 1/2" = 1'-0"



03 BPP RECPTION DESK SERVICE COUNTER ELEV.

SCALE: 1/2" = 1'-0"



02 BPP RECEPTION DESK FRONT ELEV.

SCALE: 1/2" = 1'-0"

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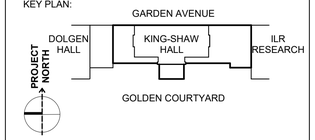
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

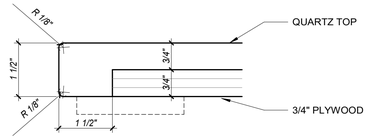
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

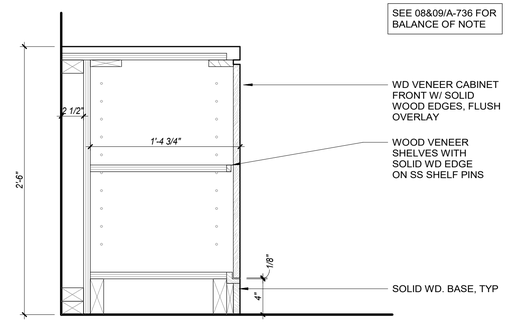
MILLWORK - THIRD FLOOR BPP RECEPTION DESK

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

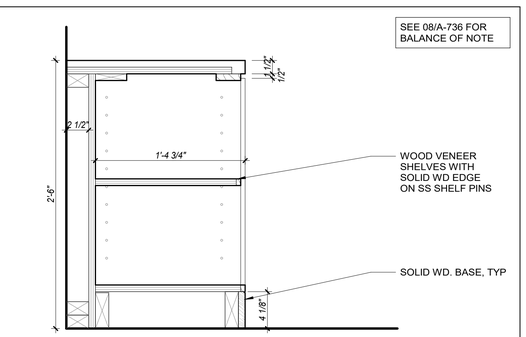
A-735



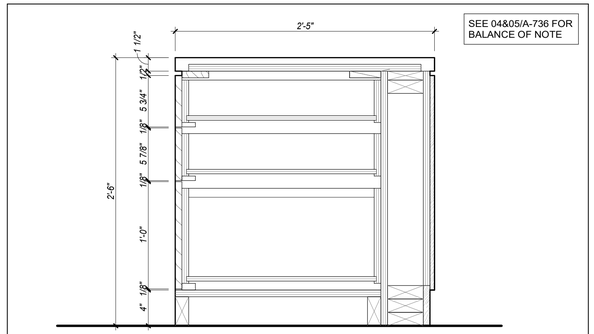
11 TYP STONE COUNTERTOP EDGE DTL
SCALE: 6" = 1'-0"



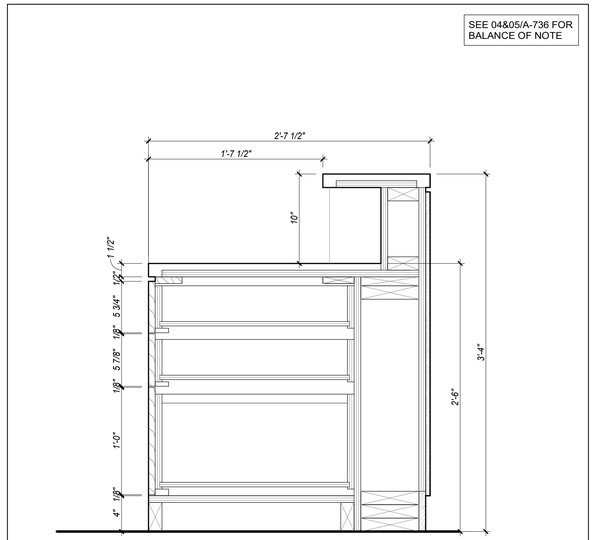
10 ILR RECEPTION DESK SUPPORT - SECTION @ CABINET
SCALE: 1 1/2" = 1'-0"



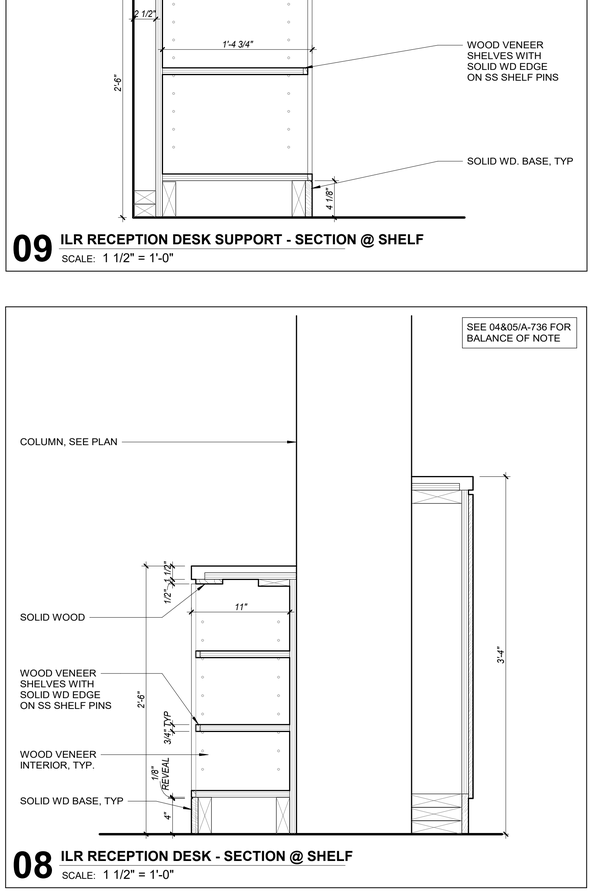
09 ILR RECEPTION DESK SUPPORT - SECTION @ SHELF
SCALE: 1 1/2" = 1'-0"



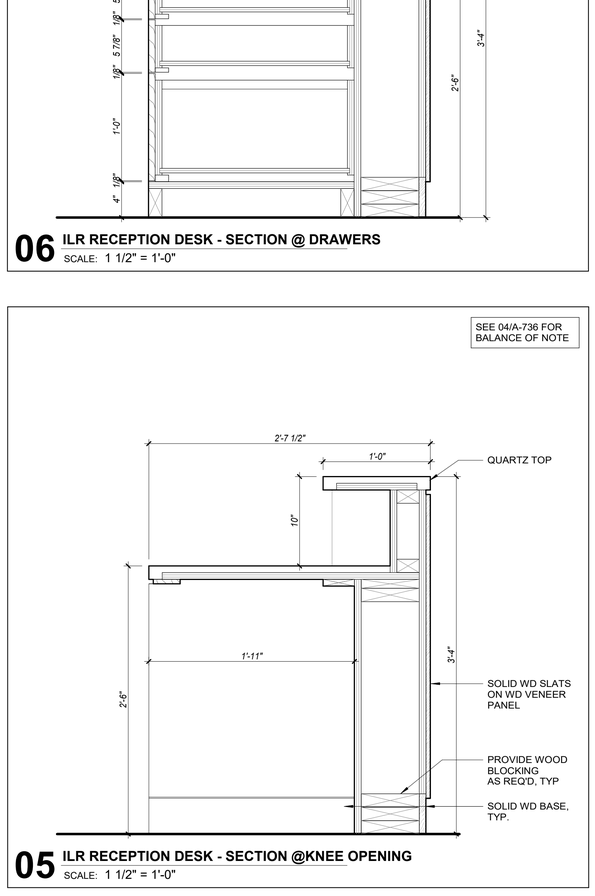
07 ILR RECEPTION DESK - SECTION @ LOW COUNTER DRAWERS
SCALE: 1 1/2" = 1'-0"



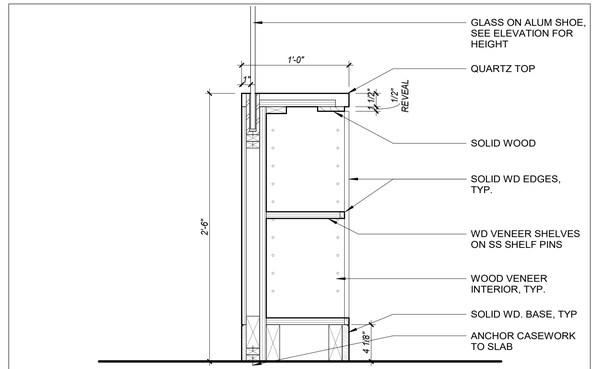
06 ILR RECEPTION DESK - SECTION @ DRAWERS
SCALE: 1 1/2" = 1'-0"



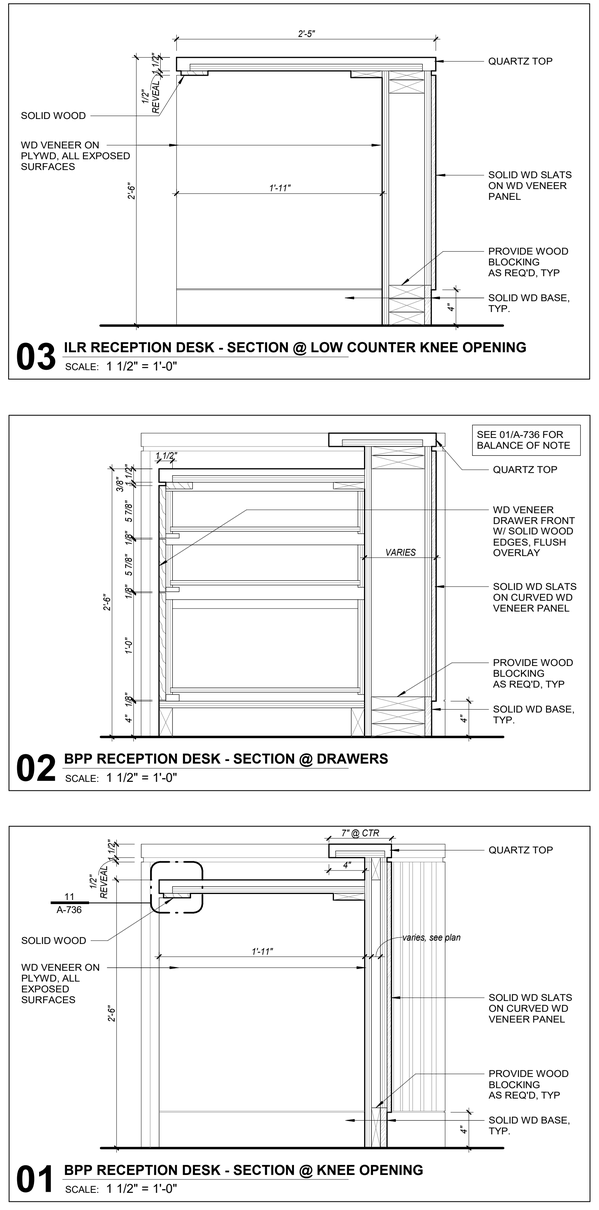
08 ILR RECEPTION DESK - SECTION @ SHELF
SCALE: 1 1/2" = 1'-0"



05 ILR RECEPTION DESK - SECTION @KNEE OPENING
SCALE: 1 1/2" = 1'-0"



04 BPP RECEPTION DESK SUPPORT
SCALE: 1 1/2" = 1'-0"



03 ILR RECEPTION DESK - SECTION @ LOW COUNTER KNEE OPENING
SCALE: 1 1/2" = 1'-0"

02 BPP RECEPTION DESK - SECTION @ DRAWERS
SCALE: 1 1/2" = 1'-0"

01 BPP RECEPTION DESK - SECTION @ KNEE OPENING
SCALE: 1 1/2" = 1'-0"

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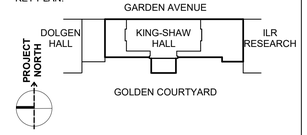
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

MILLWORK - SECTION DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-736

Tag	(3)Spec	Specification	Color/Finish	Product Line/Detail	Manufacturer/ Supplier	Dimensions (nominal)	General Location	Owner Furnished Contractor Installed	Contact
FLOOR									
F1		096816 Carpet						OFCI	
F1.1A			Base: Natural Accents: (1)Red, (1)Smoke	Open Air 418 Stria	Interface		2nd floor offices, Meeting Room	OFCI	Tyler Williams-Molitor, (347) 331-5917 tyler.williams.molitor@interface.com
F1.1B			Base: Oat Accents: (1)Red, (1)Smoke	Open Air 418 Stria	Interface		3rd and 4th floor offices, Lounges, Touchdown	OFCI	
F1.2			Base: Granite Accents: (2)Red, (1)Smoke	Open Air 418 Stria	Interface		Corridor, Department Suite	OFCI	
F1.3			Red	Open Ended	Interface		Multipurpose Room, Conference Rooms, Meeting Room 225	OFCI	
F2		124813 Walk-Off Mat	900 Castle Gray	DesignStep, Powerpoint	Construction Specialties		Vestibule		David Schupp, Sales Rep. (631) 249-8000, davids@gcbuilding.net
F3	F3.a	096500 Rubber	K001 Graphic Charcoal	Kayar	Mondo	12"x12"	Pantries		
	F3.b	096500 Rubber	6523 Road Trip	Noraplan Sentica	Nora	24"x24"	Pantries		
	F3.c	096500 Rubber	SRC4022 Turducken	Recycled Rubber + Cork	Siena	38"x38"	Pantries		
F5		Stone Panel	Bluestone-Match existing				Thresholds at Arcade		
F6		Stone Tile	Bluestone-Match existing				Prep Room		
F7		093000 Tile							
F7.1	F7.1.a	Porcelain	Lead, Matte	Hero	Nemo	24x48	Café		
	F7.1.b	Porcelain	Slate Gray	Era	Tilebar	24x48	Café		
	F7.1.c	Porcelain	TBD		Atlas Concorde	24x48	Café		
		Tile Grout	TBD		Laticrete				
		Stone Saddle	TBD	Honed Finish		3/4" thick.	Tile Thresholds		
F7.2		Porcelain	Match F7.1	Match F7.1	Match F7.1	12x12	Janitor Closets		
		Tile Grout	TBD		Laticrete				
		Stone Saddle	TBD	Honed Finish		3/4" thick.	Tile Thresholds		
BASE									
B1		064023 Wood							
B1.1			Match existing WD1						
B1.2			Match WD2						
B2		096500 Rubber	Gray	Duracove	Johnsonite		Offices		
B3		Stone							
B3.1			Match existing	Bluestone tile		See drawings			
B3.2			Match existing	Limestone tile		See drawings			
B4		093000 Tile	see CT3				Janitor Closet		
WALL									
W1		092900 Gypsum Drywall	See PAINT section below						
W2	W2.a	102219 Demountable Partition	Metal: Muraflex Grey, Glass: See IG2&IG3 below	Mimo	Muraflex	See drawings			Farnaz Sobhi (450) 462-3632, fsobhi@muraflex.com
	W2.b	102219 Demountable Partition	Metal: Powdercoat, color TBD Glass: See IG2&IG3 below		Acme				
	W2.c	102219 Demountable Partition	Metal: Powdercoat, color TBD Glass: See IG2&IG3 below		Dirtt				
W3			See Fabric Section below						
W4		Stone Panel	Match existing						
W5		064023 Wood	Maple See WD1&WD2 below						
W7		093000 Tile							
W7.1			see CT2						
W7.2			see CT3						
W8		066400 FRP Panel	Color 1: Smooth White Color 2: Smooth Light Gray	Standard FRP	Marlite	See drawings	Prep Room		Craig Stein, Sales Manager (330) 243-7187, cstein@marlite.com
		FRP Trim	Red	Alum Trim	Marlite	See drawings	Prep Room		
CEILING - SEE SPECIFICATIONS & DRAWINGS									
PAINT		099000							
PT0			TBD (match existing)	Eco Spec (zero-VOC)	Benjamin Moore	See drawings			
PT1			OC-65 Chantilly Lace	Eco Spec (zero-VOC)	Benjamin Moore	See drawings	Walls & Ceiling, typ UON		
PT2			2086-10 Exotic Red	Eco Spec (zero-VOC)	Benjamin Moore	See drawings	Café, Departmental suites, pantry		
PT3			OC-51 Intense White	Eco Spec (zero-VOC)	Benjamin Moore	See drawings	ILR Hub, Corridor below reveal		
PT4			2120-60 White Water	Eco Spec (zero-VOC)	Benjamin Moore	See drawings	Café		
PT5			OC-17 White Dove	Eco Spec (zero-VOC)	Benjamin Moore	See drawings	Multipurpose Room		
PT6			864 Oystershell	Eco Spec (zero-VOC)	Benjamin Moore	See drawings	Multipurpose Room		
PT7			2125-60 Marilyn's Dress	Eco Spec (zero-VOC)	Benjamin Moore	See drawings	Multipurpose Room Ceiling		
PT8			TBD	Eco Spec (zero-VOC)	Benjamin Moore	See drawings			

Tag	(3)Spec	Specification	Color/Finish	Product Line/Detail	Manufacturer/ Supplier	Dimensions (nominal)	General Location	Owner Furnished Contractor Installed	Contact
POWDER COAT / METAL									
PC1		057000	Match 102219 Demountable Partition Finish	3-coat Polymer	Duranar XLBC		Metal Trim		
		084900 Fire Rated GL System	Metal: Match PC1	Firefrrames Frame and Door	TGP				
GLASS									
IG1		084900	Optiwhite	Pilkington Pyrostop	TGP	See drawings	Stair		
IG2		102219	Clear, low-iron	Laminated	Vitro	See drawings	Interior Glass Partitions		
IG3		102219	Clear, low-iron	Laminated	Vitro	See drawings	Interior Glass Partitions		
IG4		102219	Clear, low-iron w/ Translucent White Interlayer	Laminated	McGrory	See drawings	Room 221		
IG5		102219	Tempered acid etched, w/ raised linear pattern	Tempered		See drawings	Office 225C, 229		
GLASS FILM									
GF1.1		088720 Glass Film	Translucent (Interior), Opacity TBD	Milano SH2MAML, custom design	3M Fasara	See drawings	Privacy film on all glazed part. System		
GF1.2		088720 Glass Film	Translucent (Interior), Opacity TBD	Milano SH2MAML, custom design	3M Fasara	See drawings	Privacy film on all glazed part. System		
GF1.3		088720 Glass Film	Custom Design - Cornell Logo Marking on Glass	Milano SH2MAML, custom design	3M Fasara	See drawings	Departmental suite entrances, Stair		
FABRIC									
UF1		064023 Upholstery Fabric	02 Jasper / Food & Beverage repellant finish	Angles by Paul Smith	maharam	See drawings	Cafe bench backrest	OFCI	Mark Cicco (Sales) (646) 923-0150, mcicco@maharam
UF2		064023 Upholstery Fabric	51 Requiem	Lariat	maharam	See drawings	Café bench seat	OFCI	
FM-X		098413 Acoustic Panel Fabric	match existing	TBD			Arcade	OFCI	
FM1		098413 Acoustic Panel Fabric	753	Xorel Fractal Emboss	Carnegie	See drawings	ILR Hub, Meeting Room 225	OFCI	Elem Quirino-Sanchez, (800)-727-6770 equirino@carnegiefabrics.com
FM2		098413 Acoustic Panel Fabric						OFCI	
FM2.1			01 Afterfeather	Metaphor	maharam	See drawings	Multipurpose Room	OFCI	
FM2.2			02 Moonflower	Metaphor	maharam	See drawings	Multipurpose Room	OFCI	
FM2.3			18 Homeland	Metaphor	maharam	See drawings	Multipurpose Room	OFCI	
FM3		098413 Acoustic Panel Fabric	084 Robust	Messenger	maharam	See drawings	Meeting Room, Conference Rooms,	OFCI	
FM4		098413 Acoustic Panel Fabric	009 Bulb	Meld	maharam	See drawings	Meeting Room, Conference Rooms,	OFCI	
6-Wood, Plastics&Composites									
WD1		064023	Match existing	Maple, Solid wood / veneer		see drawings			
WD2				Maple, Solid wood / veneer		see drawings			
PL1	PL1.a	064023	1946 SEI	SEI	Abet Laminati	see drawings	Café		
	PL1.b		matching color to CT-1a		Formica	see drawings	Café		
	PL1.c		matching color to CT-1a		Wilsonart	see drawings	Café		
PL2	PL2.a	064023	431 SEI	SEI	Abet Laminati	see drawings	Café		
	PTL2.b		845-58 Spectrum Red / Matte		Formica	see drawings	Café		
	PL2.c		D307-60 Hollyberry / Matte	Standard Laminate	Wilsonart	see drawings	Café		
3D-TP		068300	Matte White	MARE	Soelberg	see drawings	Dean Suite	OFCI	
9-Finishes									
CT-1a		093000 Tile	Graphite	Enigma	Tilebar	2x8	Café counter fascia	OFCI	
		Tile Grout	TBD		Laticrete				
CT-1b		093000 Tile	Light Gray	Enigma	Tilebar	2x8	Multipurpose Room backsplash	OFCI	
		Tile Grout	TBD		Laticrete				
CT2	CT2.a	093000 Tile	Tomato Red, Gloss	Original Ceramic	Fireclay Tile	2x8"	Café		
	CT2.b	093000 Tile	Currant SH17	Linear Color Wheel	DalTile	2x8"	Café		
	CT2.c	093000 Tile	Selenium Red	Emery	Tilebar	2x8"	Café		
		Tile Grout	TBD		Laticrete				
CT3	CT3.a	093000 Tile	Matte Arctic White 0790	Linear Color Wheel	DalTile	4x12"	Janitor Closet wainscot, Up tp 3'-4" AFF		
	CT3.b	093000 Tile	Tea for Two / Satin	Color By Numbers	Nemo	4x12"	Janitor Closet wainscot, Up tp 3'-4" AFF		
	CT3.c	093000 Tile	White	Basic White	Tilebar	4x12"	Janitor Closet wainscot, Up tp 3'-4" AFF		
		Tile Grout	88 Silver Shadow		Laticrete				
10 -Specialties									
		108211 Coil Screen	TBD	Guardian Grade Fabricoil	Cascade	See drawings	Café		Del Jones, 503.826.5576 del@cascadecoil.com
12 - Furnishings									
SS1	SS1.a	123661 Countertop	5131 Calacatta Nuvo	Quartz	CaesarStone	See drawings			
	SS1.b	123661 Countertop	Neve/ London Sky/ Bianco Dolomite	Quartz	Corian	See drawings			
	SS1.c	123661 Countertop	Helena/ Tundra19/ Natura18	Quartz	Dekton	See drawings			
SS2	SS2.a	123661 Countertop	D450 Medium Red		Durat	See drawings	Café		
	SS2.b	123661 Countertop	DM6001 Vitality Red		Durasein	See drawings	Café		
	SS2.c	123661 Countertop	6405 Happy Red	Colors + Series	Krion	See drawings	Café		
SSH		122413 Window Shades	1569 Silver Birch	Mecho5, EcoVeil Screens, 1550 (3% open)	Mecho	See drawings	All windows		Jerry Feldman, (732) 339-0751, Jerry.Feldman@MechoShade.com
SBSH		122413 Blackout	0284 Steel	Chelsea Blackout, 0250 (opaque)	Mecho	See drawings	Meeting Room 204, Multipurpose Rm, Conference Rooms		

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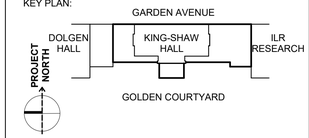


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

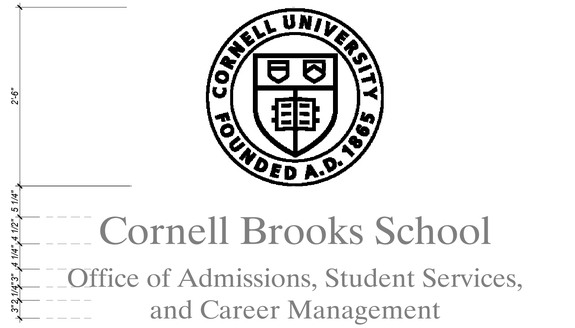
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FINISH SCHEDULE

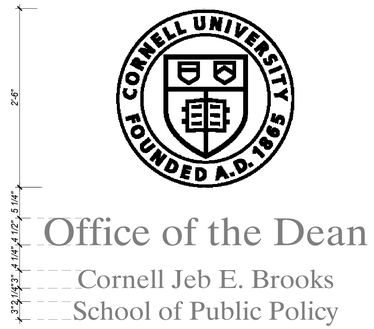
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

A-740



VINYL ON PTD. GWB.
TOTAL OF (5) LOCATIONS: AT EACH DEPARTMENT SUITE RECEPTION AREA.
EXACT OFFICE NAMES TO BE CONFIRMED.

05 TYPE E - TYP. @ BPP DEPT. SUITES
SCALE: 1" = 1'-0"



PIN-MOUNTED 3DIMENSIONAL PTD MTL

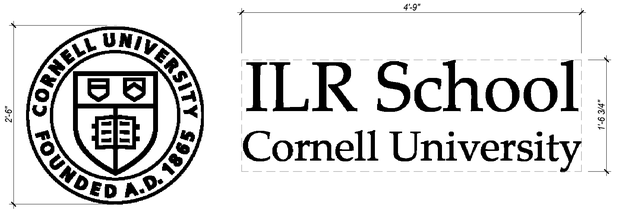
04 TYPE D - BPP DEAN SUITE
SCALE: 1" = 1'-0"

VINYL ON GLASS

03 TYPE C - BPP SIGN
SCALE: 1" = 1'-0"

VINYL ON PTD GWB

02 TYPE B - ILR SUITE SIGN
SCALE: 1" = 1'-0"



PIN-MOUNTED 3DIMENSIONAL PTD MTL

01 TYPE A - ILR HUB SIGN
SCALE: 1" = 1'-0"

SIGNAGE NOTES:

1. PROVIDE SIGNAGE COLORS, MATERIALS & TYPOGRAPHY PER CORNELL GRAPHIC STANDARDS AND INTERIOR SIGNAGE STANDARDS.

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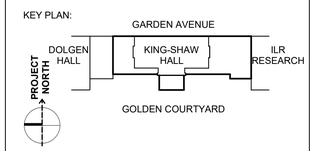
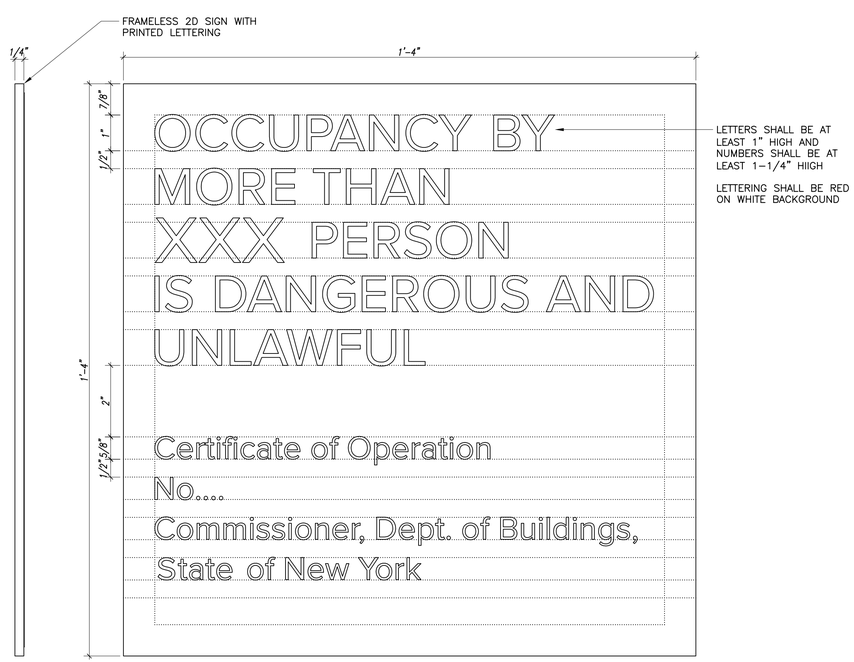


PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
SIGNAGE

PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1" = 1'-0"

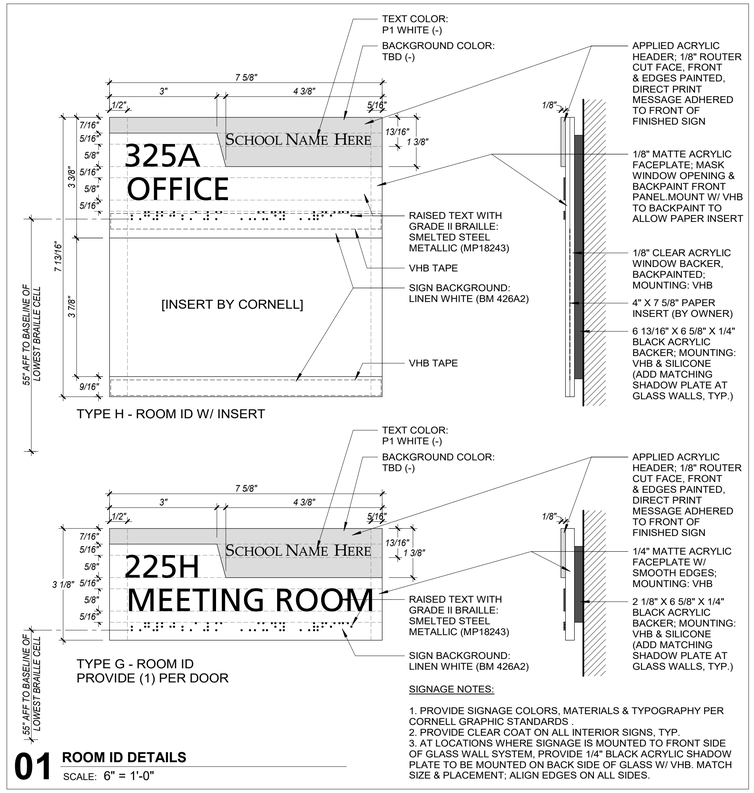
A-750



MULTIPURPOSE ROOM OCCUPANCY LOAD

02 OCCUPANCY LOAD
SCALE: 6" = 1'-0"

SIGNAGE NOTES:
1. PROVIDE TOTAL OF 10.



SIGNAGE NOTES:

1. PROVIDE SIGNAGE COLORS, MATERIALS & TYPOGRAPHY PER CORNELL GRAPHIC STANDARDS.
2. PROVIDE CLEAR COAT ON ALL INTERIOR SIGNS, TYP.
3. AT LOCATIONS WHERE SIGNAGE IS MOUNTED TO FRONT SIDE OF GLASS WALL SYSTEM, PROVIDE 1/4" BLACK ACRYLIC SHADOW PLATE TO BE MOUNTED ON BACK SIDE OF GLASS W/ VHB. MATCH SIZE & PLACEMENT; ALIGN EDGES ON ALL SIDES.

01 ROOM ID DETAILS
SCALE: 6" = 1'-0"

SIGNAGE NOTES:

1. PROVIDE SIGNAGE COLORS, MATERIALS & TYPOGRAPHY PER CORNELL GRAPHIC STANDARDS AND INTERIOR SIGNAGE STANDARDS.

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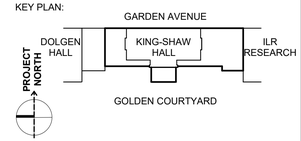


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

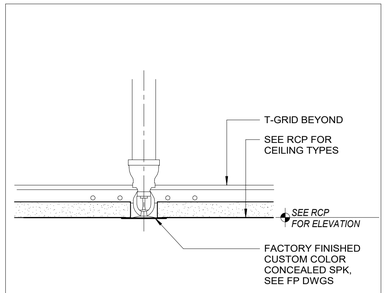
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

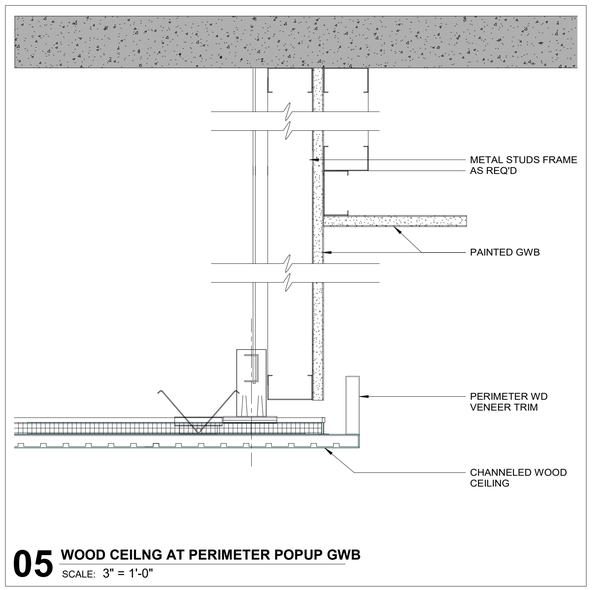
SIGNAGE

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 6" = 1'-0"**

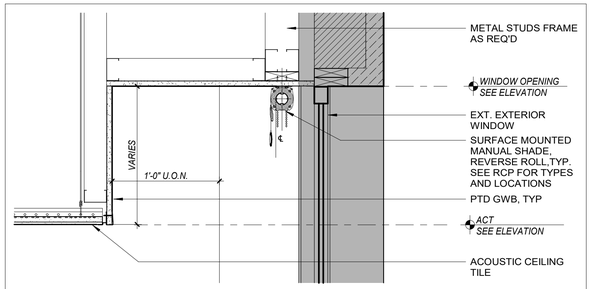
A-751



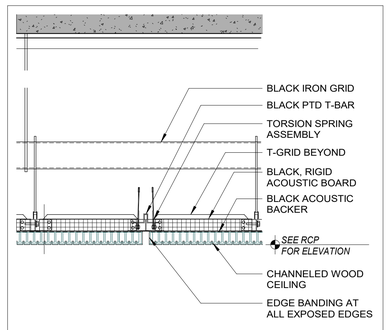
07 TYP CONCEALED SPRINKLER
SCALE: 3" = 1'-0"



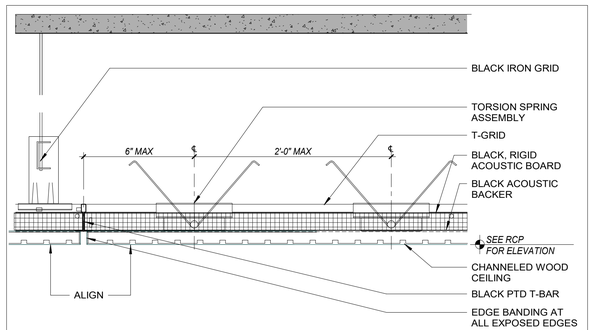
05 WOOD CEILNG AT PERIMETER POPUP GWB
SCALE: 3" = 1'-0"



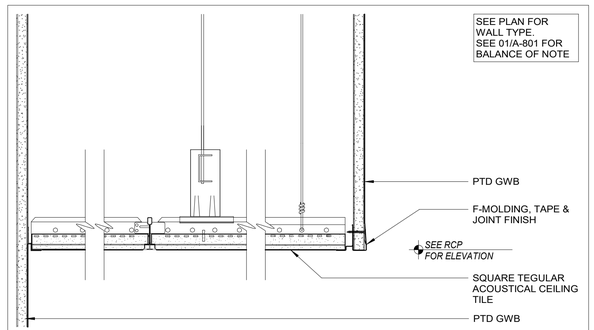
06 ACT AT PERIMETER POPUP
SCALE: 1 1/2" = 1'-0"



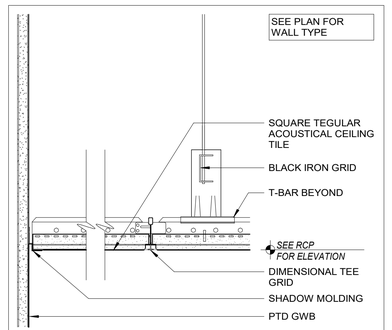
04 DTL - TYP WOOD CEILNG PANEL JOINT
SCALE: 3" = 1'-0"



03 DTL - TYP WOOD CEILING TORSION SYSTEM
SCALE: 3" = 1'-0"



02 ACT AT PERIMETER POPUP GWB
SCALE: 3" = 1'-0"



01 ACT TO GWB WALL
SCALE: 3" = 1'-0"

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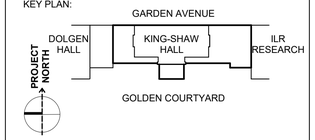


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

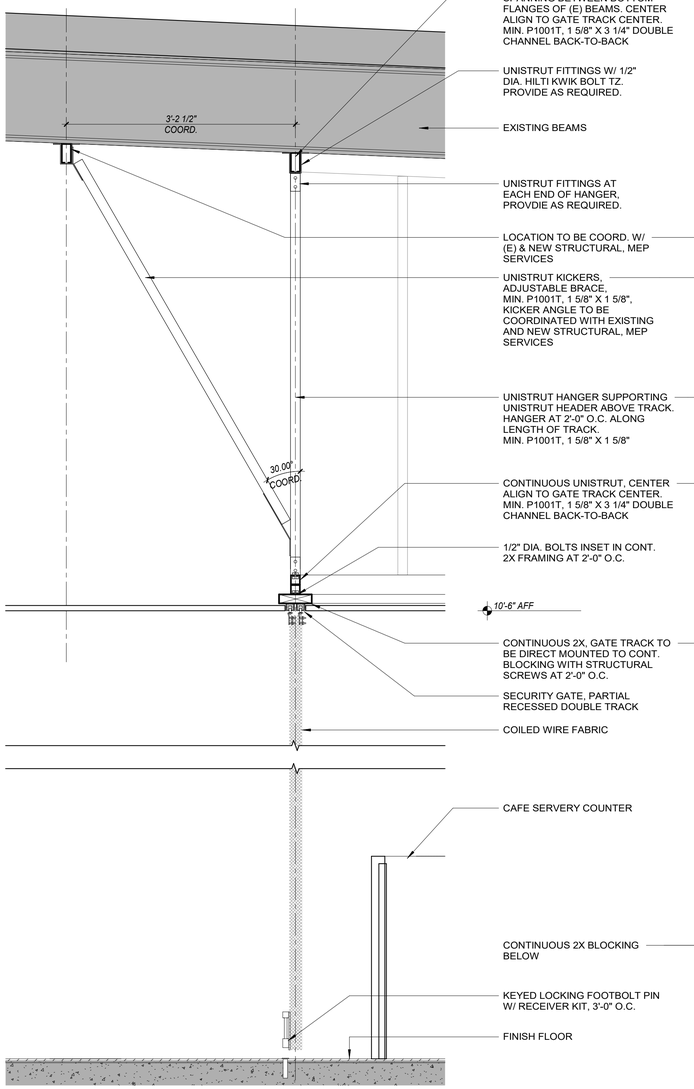
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

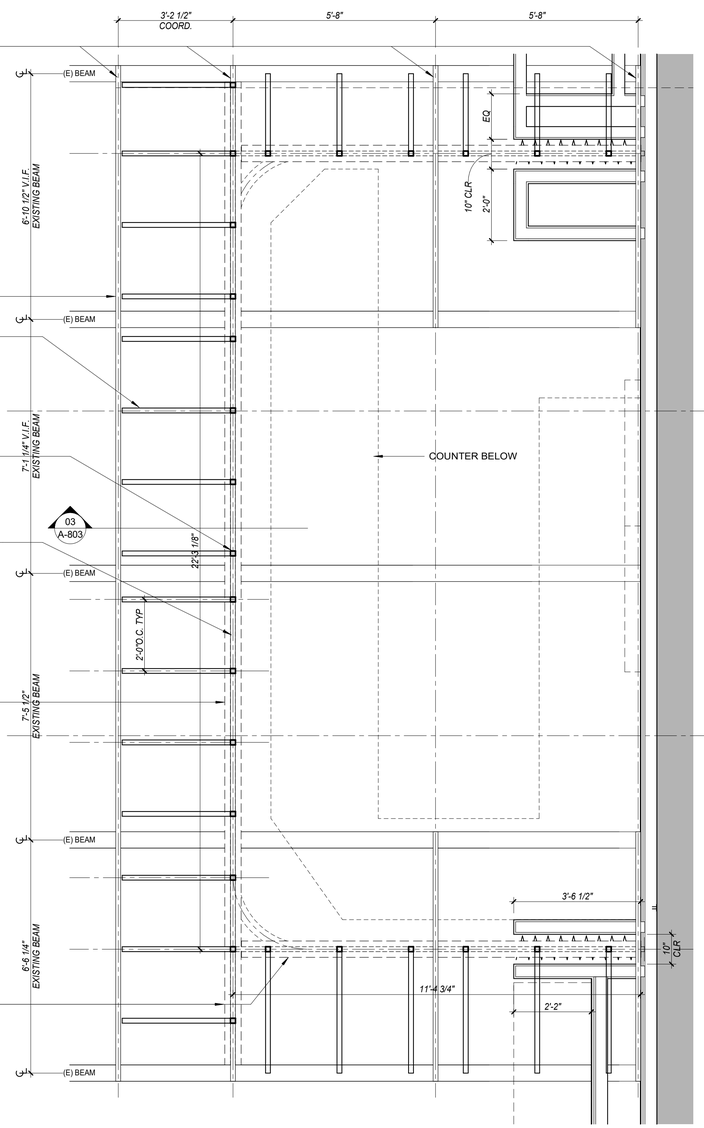
CEILING DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

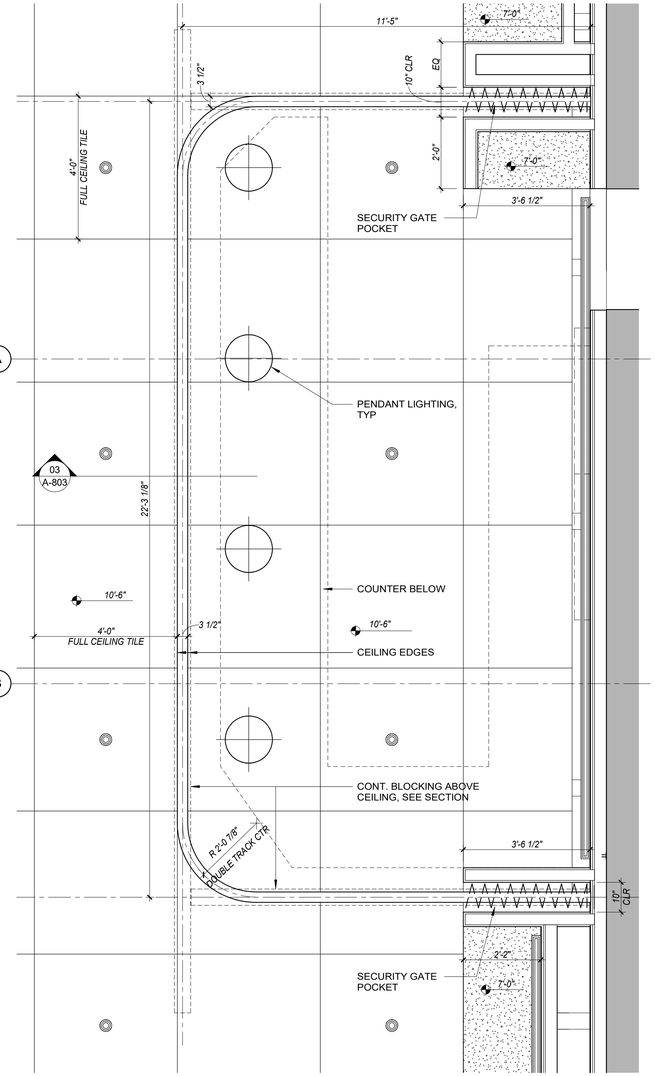
A-801



03 SECTION - SECURITY GATE SUPPORT
SCALE: 1" = 1'-0"



02 CAFE SECURITY GATE SUPPORT ABOVE CEILING
SCALE: 1/2" = 1'-0"



PROVIDE FLOOR BOLT AS REQUIRED

01 ENLARGED RCP - CAFE SECURITY GATE
SCALE: 1/2" = 1'-0"

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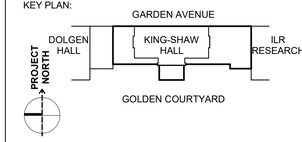

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

CAFE ENLARGED REFLECTED CEILING PLAN, SECURITY GATE LAYOUT AND DETAILS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-803

04 ROOM 221 - FURNITURE LAYOUT 3
SCALE: 3/16" = 1'-0"

03 ROOM 221 - FURNITURE LAYOUT 2
SCALE: 3/16" = 1'-0"

02 ROOM 221 - FURNITURE LAYOUT 1
SCALE: 3/16" = 1'-0"

01 FURNITURE PLAN - SECOND FLOOR
SCALE: 1/8" = 1'-0"

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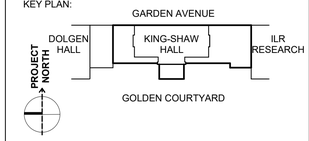


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

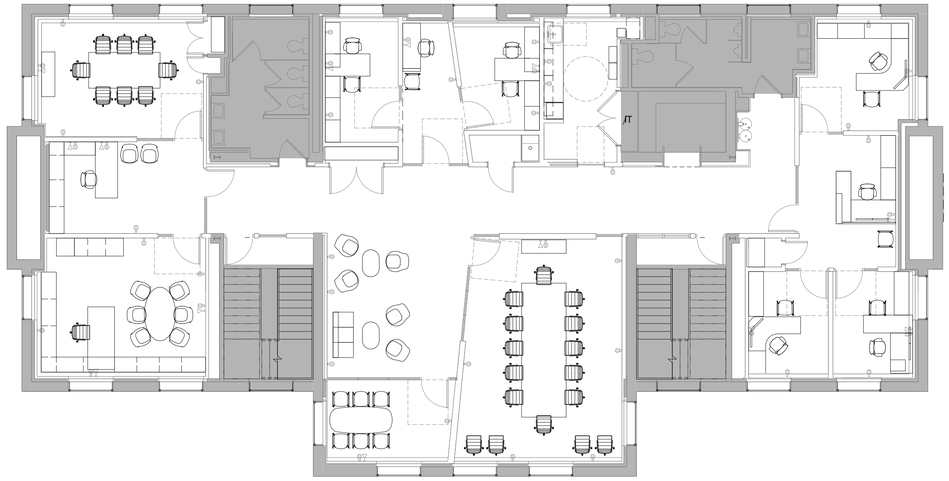
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

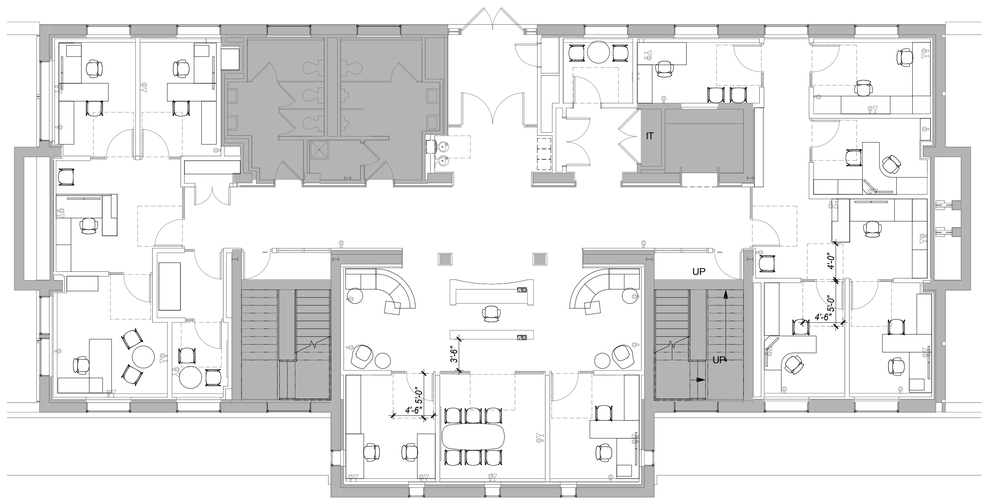
FURNITURE PLAN - SECOND FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

A-901



02 **FURNITURE PLAN - FOURTH FLOOR**
SCALE: 1/8" = 1'-0"



01 **FURNITURE PLAN - THIRD FLOOR**
SCALE: 1/8" = 1'-0"

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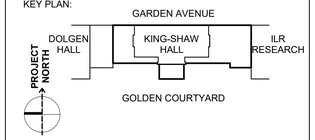


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

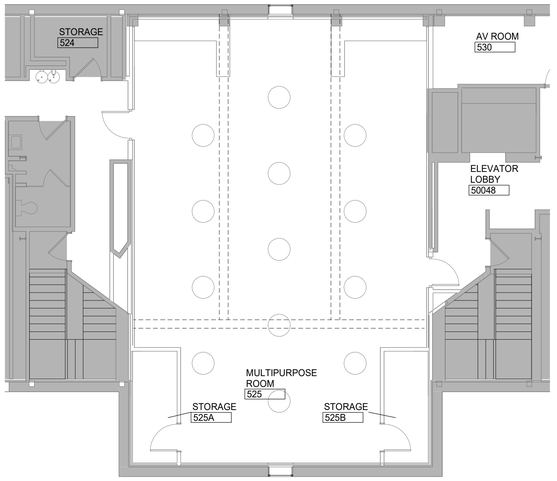
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

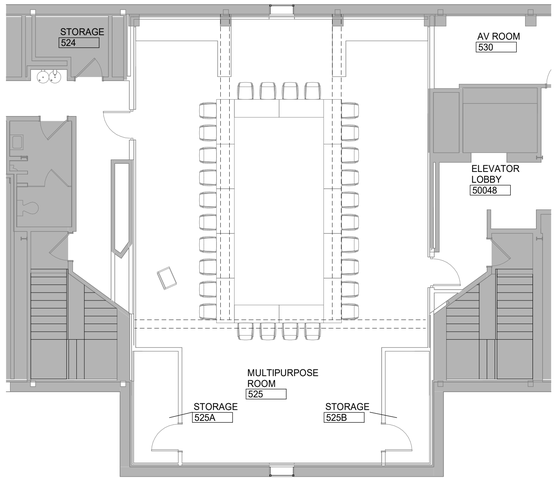
FURNITURE PLANS - THIRD & FOURTH FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

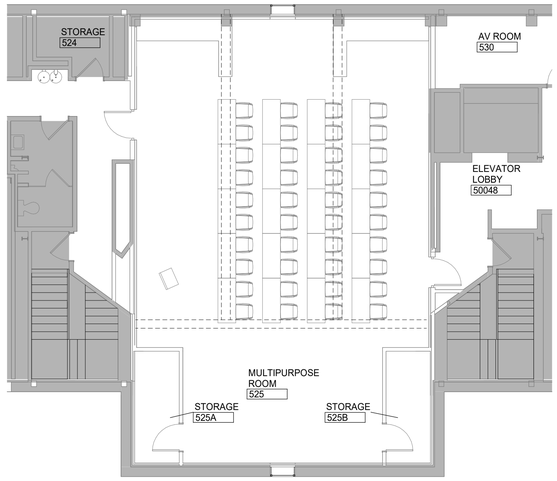
A-902



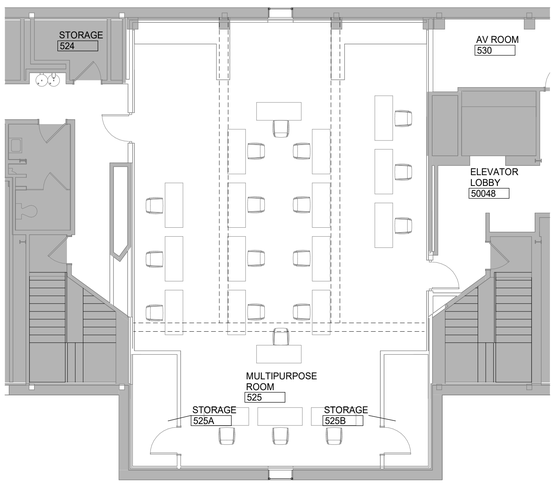
6 **5TH FLOOR FURNITURE PLAN - STANDING RECEPTION**
SCALE: 1/8" = 1'-0"



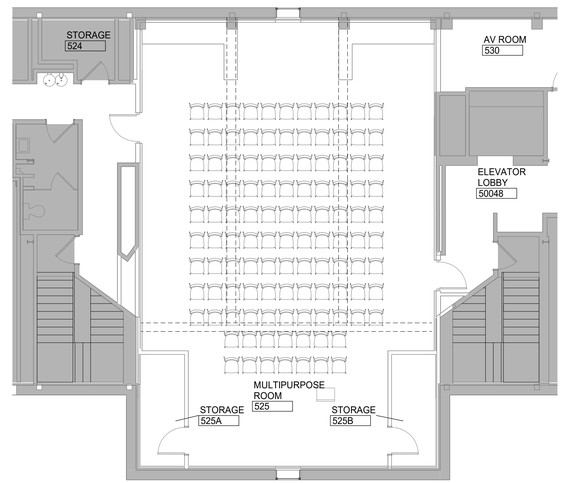
5 **5TH FLOOR FURNITURE PLAN - SEMINAR IN ROUND**
SCALE: 1/8" = 1'-0"



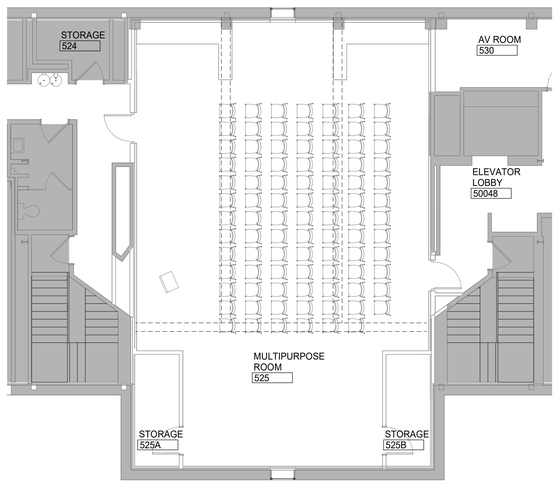
4 **5TH FLOOR FURNITURE PLAN - SEMINAR**
SCALE: 1/8" = 1'-0"



3 **5TH FLOOR FURNITURE PLAN - CAREER FAIR**
SCALE: 1/8" = 1'-0"



2 **5TH FLOOR FURNITURE PLAN - LECTURE EW**
SCALE: 1/8" = 1'-0"



1 **5TH FLOOR FURNITURE PLAN - LECTURE**
SCALE: 1/8" = 1'-0"

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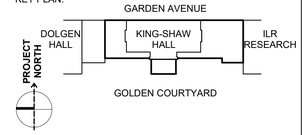


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

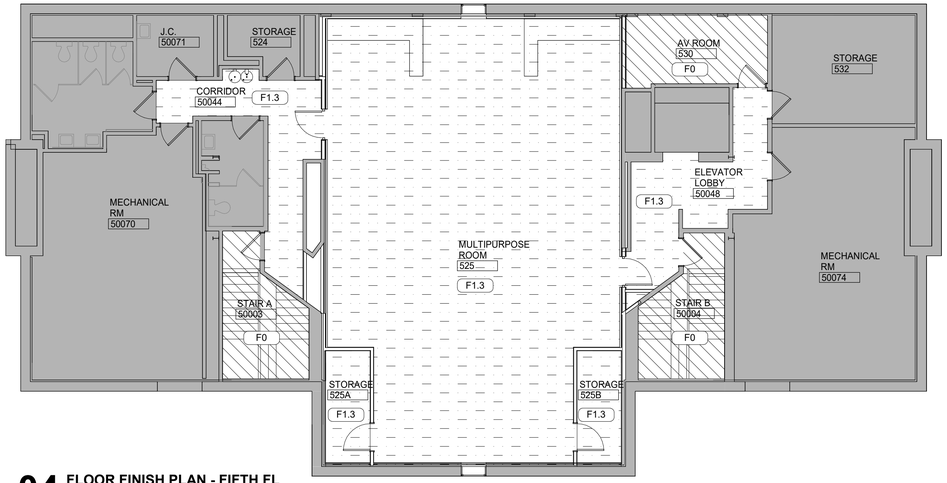
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FURNITURE PLAN - FIFTH FLOOR

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

A-903



04 FLOOR FINISH PLAN - FIFTH FL

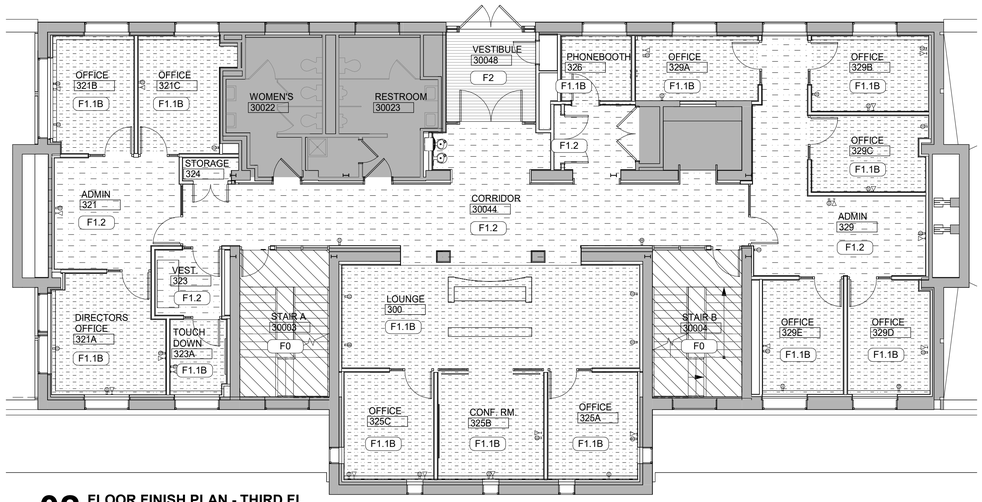
SCALE: 1/8" = 1'-0"

FLOOR FINISH

F0	CLEAN EXISTING	F0.2	CLEAN EXISTING STONE FLOOR
F1.1A / F1.1B	CARPET TILE -COLOR 1A / CARPET TILE -COLOR 1B	F5	STONE PANEL (MATCH EXISTING)
F1.2	CARPET TILE -COLOR 2	F6	STONE TILES (MATCH EXISTING)
F1.3	CARPET TILE -COLOR 3	F7.1	PORCELAIN TILE (24" x 48")
F2	ENTRANCE FLOOR MAT	F7.2	PORCELAIN TILE (12" x 24")
F3	RUBBER TILE		

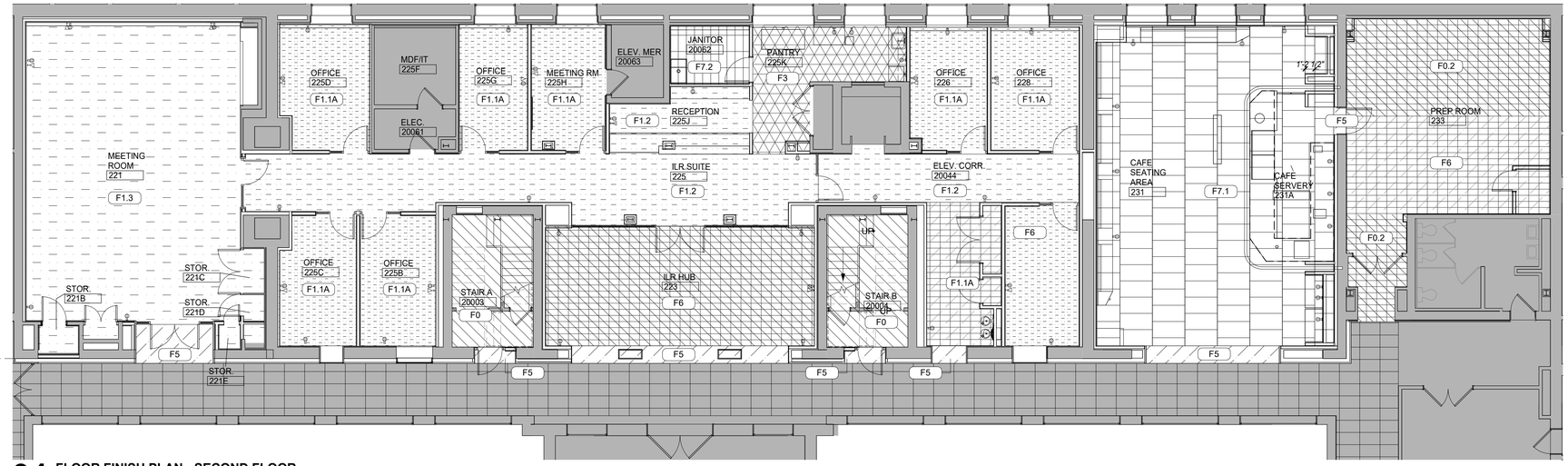
03 FLOOR FINISH PLAN - FOURTH FL.

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



02 FLOOR FINISH PLAN - THIRD FL

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



01 FLOOR FINISH PLAN - SECOND FLOOR

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

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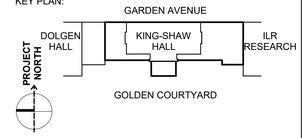


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

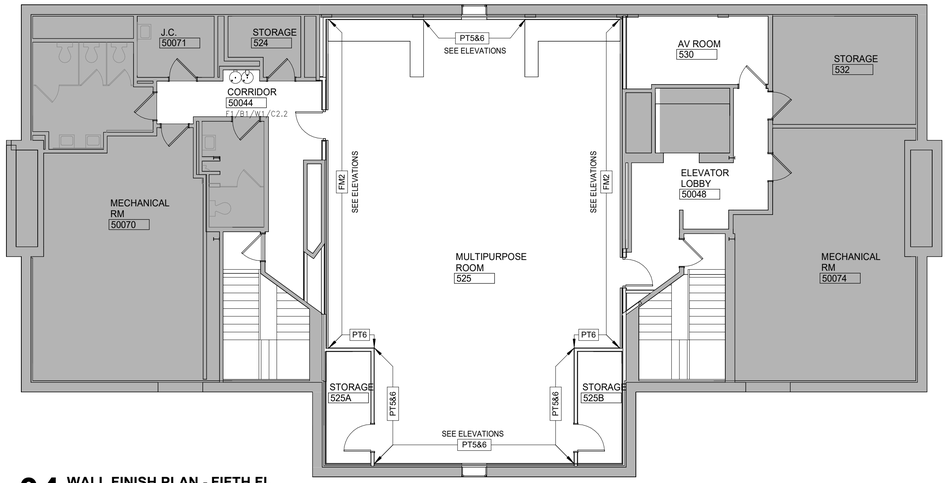
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR FINISH PLANS

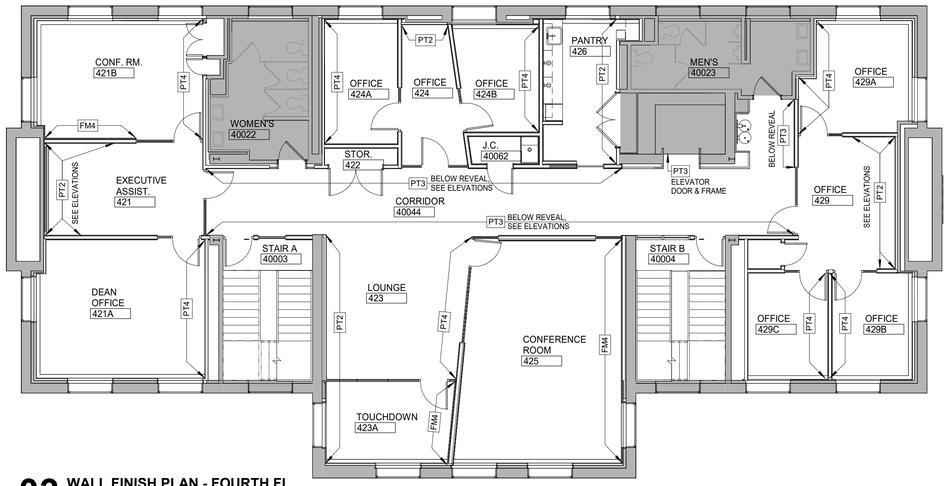
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

A-910



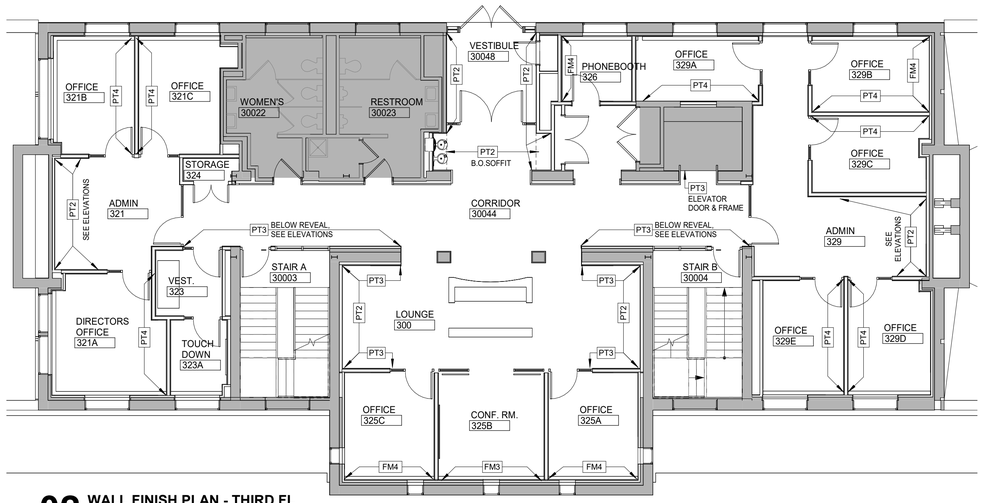
04 WALL FINISH PLAN - FIFTH FL

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



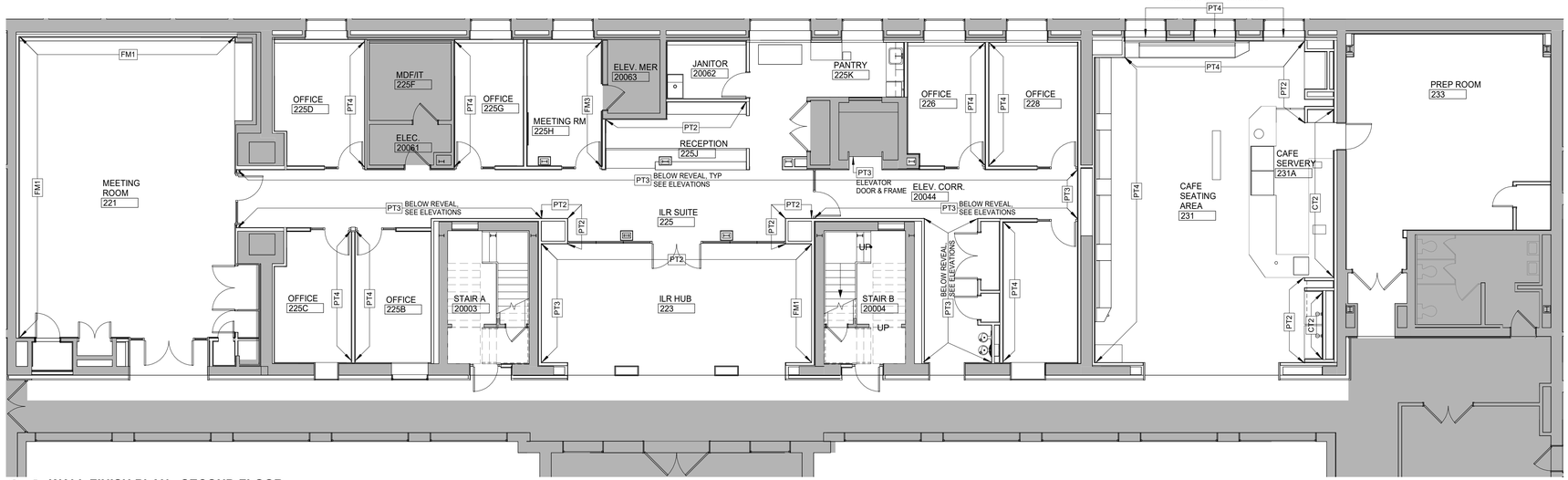
03 WALL FINISH PLAN - FOURTH FL

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



02 WALL FINISH PLAN - THIRD FL

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



01 WALL FINISH PLAN - SECOND FLOOR

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

WALL FINISH

PT0	MATCH EXISTING	PT5	OFF-WHITE 1	PT-X	STRIP, SAND & PREP AS NECESSARY FOR NEW PAINT
PT1	WHITE	PT6	OFF-WHITE 2		
PT2	RED	PT7	LIGHT GRAY		
PT3	CREAM	PT8	TBD		
PT4	GRAY				

NOTE:
1) ALL COLUMNS, WALLS & CEILINGS PT1 U.O.N. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFO
2) SR. PTD. SCUFF RESISTANT PAINTED.
3) SEE FINISH SCHEDULE FOR PT AND FM COLOR/TYPE

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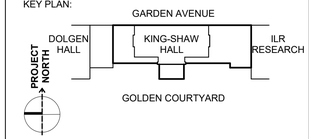


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

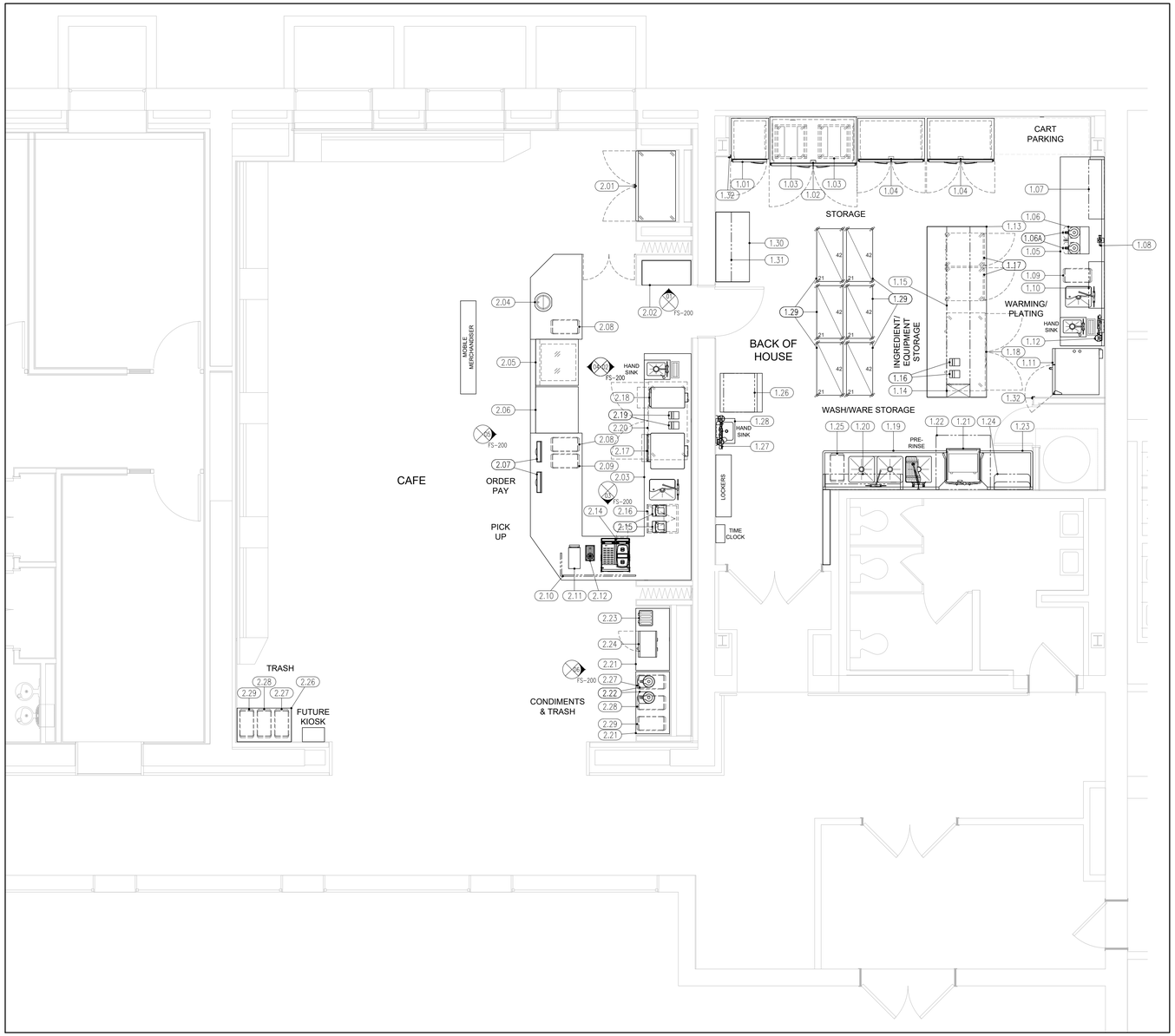
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

WALL FINISH PLANS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

A-911



2FL FOODSERVICE EQUIPMENT PLAN
Scale: 1/4" = 1'-0"

EQUIPMENT SCHEDULE

ITEM NO	REV	QTY	EQUIPMENT CATEGORY	EQUIPMENT REMARKS
1.00			***BACK OF HOUSE***	
1.01		1	FREEZER, REACH-IN	
1.02		1	REFRIGERATOR, ROLL-IN	
1.03		2	UNIVERSAL PAN RACK	
1.04		2	REFRIGERATOR, REACH-IN	
1.05		1	WORKTABLE WITH SINKS	
1.06		1	COFFEE BREWER	
1.06A		2	COFFEE DISPENSER	
1.07		1	WALL SHELF	
1.08		1	WATER FILTRATION SYSTEM	
1.09		1	TRASH CONTAINER	
1.10		1	FIRE SUPPRESSION SYSTEM	FOR ITEM 1.11
1.11		1	COMBI OVEN, VENTLESS	
1.12		1	WATER FILTRATION SYSTEM	
1.13		1	WORKTABLE	
1.14		1	UTILITY CHASE	
1.15		1	OVERSHELF, TABLE-MOUNTED	
1.16		2	POS PRINTER	NIC / BY OWNER
1.17		2	HEATED CABINET, MOBILE	
1.18		1	REFRIGERATOR, UNDERCOUNTER	
1.19		1	THREE (3) COMPARTMENT SINK WITH SCRAP BASKET	
1.20		1	POT RACK WALL SHELF	
1.21		1	DISHWASHER, DOOR TYPE	
1.22		1	CONDENSATE HOOD	
1.23		1	CLEAN DISHTABLE	
1.24		1	POT RACK, WALL-MOUNTED	
1.25		1	COMPOST CONTAINER	
1.26		1	ICE MAKER WITH BIN	EXISTING, RELOCATED
1.27		1	WATER FILTRATION SYSTEM	
1.28		1	HAND SINK	
1.29		6	SHELVING, MOBILE	
1.30		1	DESK	NIC / BY GC
1.31		1	WALL SHELVING	NIC / BY GC
1.32		2	CORNER GUARD	
2.00			***FRONT OF HOUSE***	
2.01		1	REFRIGERATED MERCHANDISER	
2.02		1	MILLWORK COUNTER	
2.03		1	MILLWORK COUNTER WITH SINKS	
2.04		1	SOUP WELL, DROP-IN	
2.05		1	DISPLAY CASE, NON-REFRIGERATED	
2.06		1	DISPLAY CASE, REFRIGERATED	
2.07		2	KIOSK ORDERING SYSTEM	NIC / BY OWNER
2.08		3	TRASH CONTAINER	
2.09		1	COMPOST CONTAINER	
2.10		1	FOOD GUARD	NIC / BY MILLWORK
2.11		1	COLD BREW COFFEE DISPENSER	
2.12		1	DRIP TROUGH	
2.13			SPARE NUMBER	
2.14		1	ESPRESSO CAPPUCCINO MACHINE	
2.15		2	BLENDER	
2.16		1	ICE CADDY, MOBILE	
2.17		1	CONVECTION OVEN, VENTLESS	
2.18		1	RAPID COOK OVEN	
2.19		2	POS PRINTER	NIC / BY OWNER
2.20		1	REFRIGERATOR, UNDERCOUNTER	EXISTING, RELOCATED
2.21		2	MOBILE COUNTER	NIC / BY MILLWORK
2.22		2	COFFEE DISPENSER	
2.23		1	POP-UP TOASTER	
2.24		1	MICROWAVE OVEN	
2.25			SPARE NUMBER	
2.26		1	TRASH COUNTER	NIC / BY MILLWORK
2.27		2	COMPOST CONTAINER	
2.28		2	RECYCLING CONTAINER	
2.29		2	TRASH CONTAINER	

ABBREVIATIONS

GENERAL		PLUMBING		ELECTRICAL	
AFF	ABOVE FINISHED FLOOR	BTU	BRITISH THERMAL UNIT	CP	CORD AND PLUG
BTC	BRANCH TO CONNECT	CW	COLD WATER	DR	DUPLEX RECEPTACLE
DFA	DOWN FROM ABOVE	DW	DIRECT WASTE	HP	HORSE POWER
EC	ELECTRICAL CONTRACTOR	FD	FLOOR DRAIN	JB	JUNCTION BOX
FPC	FIRE PROTECTION CONTRACTOR	FFD	FUNNEL FLOOR DRAIN	KW	KILOWATTS
GC	GENERAL CONTRACTOR	FS	FLOOR SINK	SR	SINGLE RECEPTACLE
KEC	KITCHEN EQUIPMENT CONTRACTOR	FW	FILTERED WATER	SW	SWITCH
NIC	NOT IN CONTRACT	G	GAS	V	VOLTS
OOW	OUT OF WALL	HW	HOT WATER (110° F)	MECHANICAL	
PC	PLUMBING CONTRACTOR	IW	INDIRECT WASTE		
TP	TERMINAL PANEL	LP	LIQUID PROPANE	CFM	CUBIC FEET PER MINUTE
TYP	TYPICAL	MBTU	ONE THOUSAND BRITISH THERMAL UNITS	FP	FIRE PULL BOX
UDS	UTILITY DISTRIBUTION SYSTEM	PSI	POUNDS PER SQUARE INCH	SP	STATIC PRESSURE
		S	STEAM		

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		2025 01 31 100% CD

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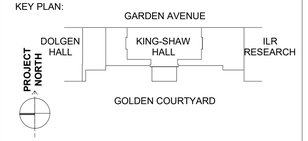
KEY PLAN:



PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
2FL FOODSERVICE EQUIPMENT PLAN

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:** AS NOTED

FS-100

UTILITY SCHEDULE

							ELECTRICAL						PLUMBING																
ITEM NO	REV	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL	EQUIPMENT REMARKS	AMPS	VOLTAGE	PHASE	CONNECTION TYPE	CONNECTION HEIGHT AFF	ELECTRICAL REMARKS	GAS SIZE	GAS MBTU	CONNECTION HEIGHT AFF	COLD WATER SIZE	CONNECTION HEIGHT	HOT WATER SIZE	CONNECTION HEIGHT AFF	FILTERRED WATER SIZE	CONNECTION HEIGHT AFF	DIRECT WASTE SIZE	CONNECTION HEIGHT AFF	INDIRECT WASTE SIZE	CONDENSER WATER IN	CONDENSER WATER OUT	PLUMBING REMARKS	ITEM NO
1.00			***BACK OF HOUSE***	***	***																								1.00
1.01		1	FREEZER, REACH-IN	TURBO AIR	PRO-26F-N(-L)		7.0	115	1	CORD & PLUG	86"					1/2"	15"	1/2"	15"					1-1/2"				1.01
1.02		1	REFRIGERATOR, ROLL-IN	TURBO AIR	PRO-50R-RI-N		8.0	115	1	CORD & PLUG	86"																	1.02
1.03		2	UNIVERSAL PAN RACK	NEW AGE	1655																							1.03
1.04		2	REFRIGERATOR, REACH-IN	TURBO AIR	PRO-50R-N		8.0	115	1	CORD & PLUG	86"																	1.04
1.05		1	WORKTABLE WITH SINKS	CUSTOM	DETAIL 1-3											1/2"	15"	1/2"	15"					1-1/2"				1.05
		1		CUSTOM	DETAIL 3-5 HAND SINK											1/2"	15"	1/2"	15"			1-1/2"	15"						
1.06		1	COFFEE BREWER	FETCO	CBS-52H-15 (CS2036)		22.4	120/208-240	3	DIRECT	50"									3/8"	46"							FW FROM WATER FILTER ITEM 1.08	1.06
1.06A		2	COFFEE DISPENSER	FETCO	D449																							1.06A
1.07		1	WALL SHELF	CUSTOM	DETAIL 2-1																							1.07
1.08		1	WATER FILTRATION SYSTEM	EVERPURE	QC7I SINGLE 4FC5-S																							1.08
1.09		1	TRASH CONTAINER	RUBBERMAID	FG354060GRAY																							1.09
1.10		1	FIRE SUPPRESSION SYSTEM	ANSUL	R102	FOR ITEM 1.11	5.0	120	1	DIRECT	96"	UNINTERRUPTED POWER SUPPLY																1.10
1.11		1	COMBI OVEN, VENTLESS	ALTO-SHAAM	6-10E PRO		21.9-25.3	208-240	3	DIRECT	50"					3/4"	46"			3/4"	46"			1-1/2"			FW FROM WATER FILTER ITEM 1.12	1.11
		1		ALTO-SHAAM	6-10EVH		1.6	120	1	CORD & PLUG	86"																	
1.12		1	WATER FILTRATION SYSTEM	EVERPURE	EV979721											3/4"	78"											1.12
1.13		1	WORKTABLE	CUSTOM	DETAIL 1-3																							1.13
1.14		1	UTILITY CHASE	CUSTOM	DETAIL 7-6																							1.14
1.15		1	OVERSHELF, TABLE-MOUNTED	CUSTOM	DETAIL 2-5																							1.15
1.16		2	POS PRINTER	NIC	BY OWNER	NIC / BY OWNER	5.0	120	1	CORD & PLUG	54"	WITH DATA; VERIFY EXACT UTILITIES WITH OWNER																1.16
1.17		2	HEATED CABINET, MOBILE	ALTO-SHAAM	750-S		9.0	120	1	CORD & PLUG	24"																	1.17
1.18		1	REFRIGERATOR, UNDERCOUNTER	TURBO AIR	PUR-60-FB-N		8.9	115	1	CORD & PLUG	24"																	1.18
1.19		1	THREE (3) COMPARTMENT SINK WITH SCRAP BASKET	CUSTOM	DETAIL 4-5											1/2"	15"	1/2"	15"					1-1/2"				1.19
		1		CUSTOM	DETAIL 4-5											1/2"	15"	1/2"	15"					1-1/2"				
		1		CUSTOM	DETAIL 4-5																			1-1/2"				
1.20		1	POT RACK WALL SHELF	CUSTOM	DETAIL 2-14																							1.20
1.21		1	DISHWASHER, DOOR TYPE	CHAMPION	DH-2000 (40-70)		40.0	208	3	DIRECT	24"					3/4"	15"	3/4"	15"					1"			DRAIN WATER TEMPERING KIT	1.21
1.22		1	CONDENSATE HOOD	HALTON	DETAIL 7-1																							1.22
1.23		1	CLEAN DISHTABLE	CUSTOM	DETAIL 4-1																							1.23
1.24		1	POT RACK, WALL-MOUNTED	CUSTOM	DETAIL 2-3																							1.24
1.25		1	COMPOST CONTAINER	RUBBERMAID	FG354007GRN																							1.25
1.26		1	ICE MAKER WITH BIN	EXISTING	RELOCATED	EXISTING, RELOCATED	10.0	115	1	DIRECT	72"	VERIFY EXACT UTILITIES OF EXISTING EQUIPMENT								1/2"	72"			1/2"			VERIFY EXACT UTILITIES OF EXISTING EQUIPMENT; FW FROM WATER FILTER ITEM 1.27	1.26
		1		EXISTING	RELOCATED	EXISTING, RELOCATED																		1/2"			VERIFY EXACT UTILITIES OF EXISTING EQUIPMENT	
1.27		1	WATER FILTRATION SYSTEM	EVERPURE	EV933042											3/4"	84"											1.27
1.28		1	HAND SINK	EAGLE GROUP	HSA-10-FWLDP-LRS											1/2"	15"	1/2"	15"			1-1/2"	18"					1.28
1.29		6	SHELVING, MOBILE	METRO	MQ,MBL-SIZE PER PLAN																							1.29
1.30		1	DESK	NIC	BY GC	NIC / BY GC																						1.30
1.31		1	WALL SHELVING	NIC	BY GC	NIC / BY GC																						1.31
1.32		2	CORNER GUARD	CUSTOM	DETAIL 7-5																							1.32
2.00			***FRONT OF HOUSE***	***	***																							2.00
2.01		1	REFRIGERATED MERCHANDISER	TURBO AIR	TSR-49GSD-N		3.1	115	1	CORD & PLUG	24"																	2.01
2.02		1	MILLWORK COUNTER	CUSTOM	CUSTOM																							2.02
2.03		1	MILLWORK COUNTER WITH SINKS	CUSTOM	CUSTOM											1/2"	15"	1/2"	15"					1-1/2"				2.03
		1		CUSTOM	DETAIL 3-5 HAND SINK											1/2"	15"	1/2"	15"			1-1/2"	15"					
2.04		1	SOUP WELL, DROP-IN	HATCO	RHW-1B		10.4	120	1	CORD & PLUG	24"																	2.04
2.05		1	DISPLAY CASE, NON-REFRIGERATED	STRUCTURAL CONCEPTS	NR3647DSV		0.7	110-120	1	CORD & PLUG	24"																	2.05
2.06		1	DISPLAY CASE, REFRIGERATED	STRUCTURAL CONCEPTS	NR3647RSV		10.8	110-120	1	CORD & PLUG	24"																	2.06
2.07		2	KIOSK ORDERING SYSTEM	NIC	BY OWNER	NIC / BY OWNER	15.0	120	1	CORD & PLUG	24"	WITH DATA; VERIFY EXACT UTILITIES WITH OWNER																2.07
2.08		3	TRASH CONTAINER	RUBBERMAID	FG354060GRAY																							2.08
2.09		1	COMPOST CONTAINER	RUBBERMAID	FG354007GRN																							2.09
2.10		1	FOOD GUARD	NIC	BY MILLWORK	NIC / BY MILLWORK																						2.10
2.11		1	COLD BREW COFFEE DISPENSER	ESPRESSO PARTS	BRODRNXDUO		3.0	120	1	CORD & PLUG	24"																	2.11
2.12		1	DRIP TROUGH	GLASTENDER	DI-RF12											3/8"	15"							1/2"				2.12
2.13			SPARE NUMBER																									2.13
2.14		1	ESPRESSO CAPPUCCINO MACHINE	EVERSYS	ENIGMA ST E'4M		22.1	208	1	CORD & PLUG	24"									3/8"	15"			2"			FW FROM WATER FILTER ITEM 1.27	2.14
		1		EVERSYS	VITRIFRIGO FG14 STAINLESS STEEL		0.8	110-120	1	CORD & PLUG	24"																	
2.15		2	BLENDER	VITAMIX	36019		15.0	120	1	CORD & PLUG	50"																	2.15
2.16		1	ICE CADDY, MOBILE	BK RESOURCES	BK-MIB-2422																							2.16
2.17		1	CONVECTION OVEN, VENTLESS	TURBOCHEF (MIDDLEBY)	DOUBLE BATCH, 3P		30.0	208/240	3	CORD & PLUG	50"																	2.17
2.18		1	RAPID COOK OVEN	TURBOCHEF (MIDDLEBY)	EL BANDIDO (I1 SOTA W/ PANINI PRESS)		30.0	208/240	1	CORD & PLUG	50"																	2.18
2.19		2	POS PRINTER	NIC	BY OWNER	NIC / BY OWNER	5.0	120	1	CORD & PLUG	50"	WITH DATA; VERIFY EXACT UTILITIES WITH OWNER																2.19
2.20		1	REFRIGERATOR, UNDERCOUNTER	EXISTING	RELOCATED	EXISTING, RELOCATED	10.0	115	1	CORD & PLUG	24"	VERIFY EXACT UTILITIES OF EXISTING EQUIPMENT															VERIFY EXACT UTILITIES OF EXISTING EQUIPMENT	2.20
2.21		2	MOBILE COUNTER	NIC	BY MILLWORK	NIC / BY MILLWORK																						2.21
2.22		2	COFFEE DISPENSER	FETCO	D449																							2.22
2.23		1	POP-UP TOASTER	WARING	WCT850		13.5	208	1	CORD & PLUG	50"																	2.23
2.24		1	MICROWAVE OVEN	PANASONIC	NE-1054F		13.4	120	1	CORD & PLUG	50"																	2.24
2.25			SPARE NUMBER																									2.25
2.26		1	TRASH COUNTER	NIC	BY MILLWORK	NIC / BY MILLWORK																						2.26
2.27		2	COMPOST CONTAINER	RUBBERMAID	1955960																							2.27
2.28		2	RECYCLING CONTAINER	RUBBERMAID	1971257																							2.28
2.29		2	TRASH CONTAINER	RUBBERMAID	1971258																							2.29
X1		8	CONVENIENCE RECEPTACLE - 120/1	NIC	BY GC	NIC/ BY GC	20.0	120	1	PLUG	*	20.0 AMP CIRCUIT SIZE FOR EQUIPMENT REQUIRING UP TO 16.0 AMPS																X1
X2		1	CONVENIENCE RECEPTACLE - 208/1	NIC	BY GC	NIC / BY GC	30.0	208	1	PLUG	*	30.0 AMP CIRCUIT SIZE FOR EQUIPMENT REQUIRING UP TO 25.0 AMPS																X2

ABBREVIATIONS

GENERAL		PLUMBING		ELECTRICAL	
AFF	ABOVE FINISHED FLOOR	BTU	BRITISH THERMAL UNIT	CP	CORD AND PLUG
BTC	BRANCH TO CONNECT	CW	COLD WATER	DR	DUPLEX RECEPTACLE
DFA	DOWN FROM ABOVE	DW	DIRECT WASTE	HP	HORSE POWER
EC	ELECTRICAL CONTRACTOR	FD	FLOOR DRAIN	JB	JUNCTION BOX
FPC	FIRE PROTECTION CONTRACTOR	FFD	FUNNEL FLOOR DRAIN	KW	KILOWATTS
GC	GENERAL CONTRACTOR	FS	FLOOR SINK	SR	SINGLE RECEPTACLE
KEC	KITCHEN EQUIPMENT CONTRACTOR	FW	FILTERED WATER	SW	SWITCH
NIC	NOT IN CONTRACT	G	GAS	V	VOLTS
OOW	OUT OF WALL	HW	HOT WATER (110° F)	MECHANICAL	
PC	PLUMBING CONTRACTOR	IW	INDIRECT WASTE		
TP	TERMINAL PANEL	LP	LIQUID PROPANE	CFM	CUBIC FEET PER MINUTE
TYP	TYPICAL	MBTU	ONE THOUSAND BRITISH THERMAL UNITS	FP	FIRE PULL BOX
UDS	UTILITY DISTRIBUTION SYSTEM	PSI	POUNDS PER SQUARE INCH	SP	STATIC PRESSURE
		S	STEAM		

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NO.	DATE	COMMENTS
	2025 01 31	100% CD

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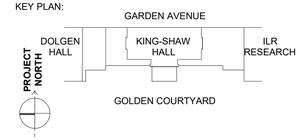
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

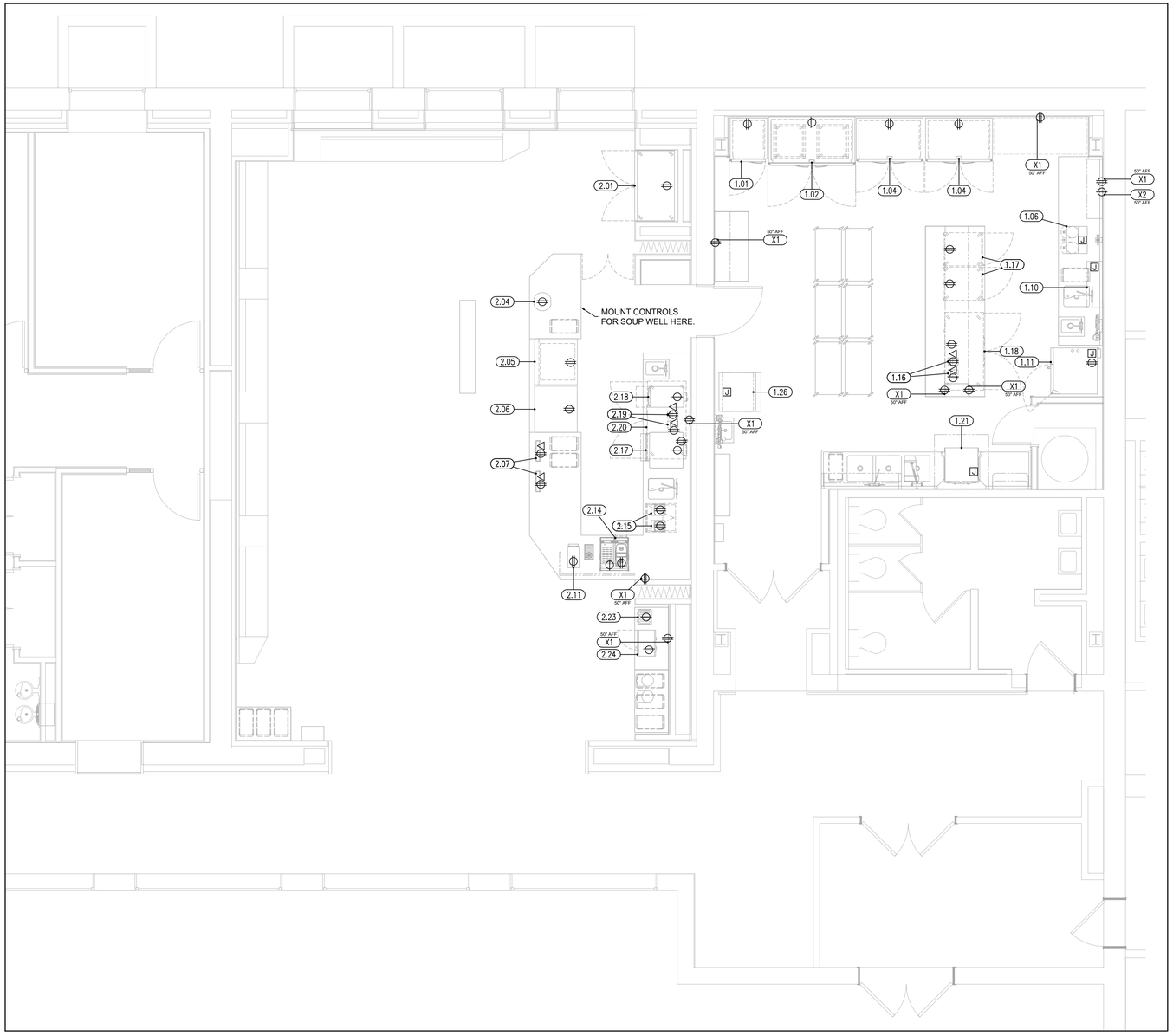
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

2FL FOODSERVICE UTILITY SCHEDULE

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:** AS NOTED

FS-110



2FL FOODSERVICE ELECTRICAL PLAN
Scale: 1/4" = 1'-0"

WALK-IN REQUIREMENTS

A	ADDITIONAL 48" LED LIGHTS FURNISHED BY THE KEC, WIRED AND INSTALLED BY THE EC. WIRES TO BE MOUNTED ABOVE WALK-IN CEILING; NO CONDUITS INSIDE WALK-IN BOX. ALL PENETRATIONS SEALED BY THE EC.

ELECTRICAL SYMBOLS LEGEND

- DUPLEX RECEPTACLE
- SINGLE RECEPTACLE
- J — JUNCTION BOX
- DROP CORD REEL FROM ABOVE (120V)
- DROP CORD REEL FROM ABOVE (208V)
- $ — SWITCH
- DATA CONNECTION (CAT 6)
- TELEPHONE JACK
- WALK-IN LIGHT

GENERAL ELECTRICAL NOTES

- COMPLETE WORK IN ACCORDANCE WITH ALL LOCAL CODES.
- SEE ELECTRICAL ENGINEERING PLANS (BY OTHERS) FOR COMPLETE SCOPE OF WORK AND ELECTRICAL SPECIFICATIONS.
- EC TO SUPPLY AND INSTALL ALL RECEPTACLES AND SWITCHES.
- EC TO SUPPLY ANY NECESSARY CONTACTORS, STARTERS AND DISCONNECTS THAT ARE NOT PROVIDED WITH THE HOOD CONTROLS.
- EC TO INTERWIRE COMPRESSORS WITH EVAPORATORS IN WALK-IN REFRIGERATORS / FREEZERS UNITS.
- EC TO PROVIDE AND INSTALL HEAT TAPE AROUND CONDENSATE DRAIN LINES IN WALK-IN FREEZERS.
- EC TO INTERWIRE FIRE EXTINGUISHING SYSTEM AND EXHAUST FAN. WHEN FIRE SYSTEM IS ACTIVATED, FAN TO TURN ON AND ALL EQUIPMENT UNDER THE EXHAUST HOOD TO TURN OFF.
- ELECTRICAL CONNECTION (WIRING) FOR ALL WALK-IN REFRIGERATION COMPONENTS, ADDITIONAL LED LIGHTS, AND SWITCHES BY EC.

ABBREVIATIONS

GENERAL		PLUMBING		ELECTRICAL	
AFF	ABOVE FINISHED FLOOR	BTU	BRITISH THERMAL UNIT	CP	CORD AND PLUG
BTC	BRANCH TO CONNECT	CW	COLD WATER	DR	DUPLEX RECEPTACLE
DFA	DOWN FROM ABOVE	DW	DIRECT WASTE	HP	HORSE POWER
EC	ELECTRICAL CONTRACTOR	FD	FLOOR DRAIN	JB	JUNCTION BOX
FPC	FIRE PROTECTION CONTRACTOR	FFD	FUNNEL FLOOR DRAIN	KW	KILOWATTS
GC	GENERAL CONTRACTOR	FS	FLOOR SINK	SR	SINGLE RECEPTACLE
KEC	KITCHEN EQUIPMENT CONTRACTOR	FW	FILTERED WATER	SW	SWITCH
NIC	NOT IN CONTRACT	G	GAS	V	VOLTS
OOW	OUT OF WALL	HW	HOT WATER (110° F)	MECHANICAL	
PC	PLUMBING CONTRACTOR	IW	INDIRECT WASTE		
TP	TERMINAL PANEL	LP	LIQUID PROPANE	CFM	CUBIC FEET PER MINUTE
TYP	TYPICAL	MBTU	ONE THOUSAND BRITISH THERMAL UNITS	FP	FIRE PULL BOX
UDS	UTILITY DISTRIBUTION SYSTEM	PSI	POUNDS PER SQUARE INCH	SP	STATIC PRESSURE
		S	STEAM		

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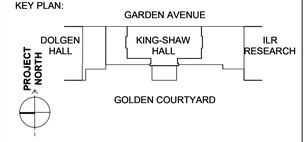
KEY PLAN:



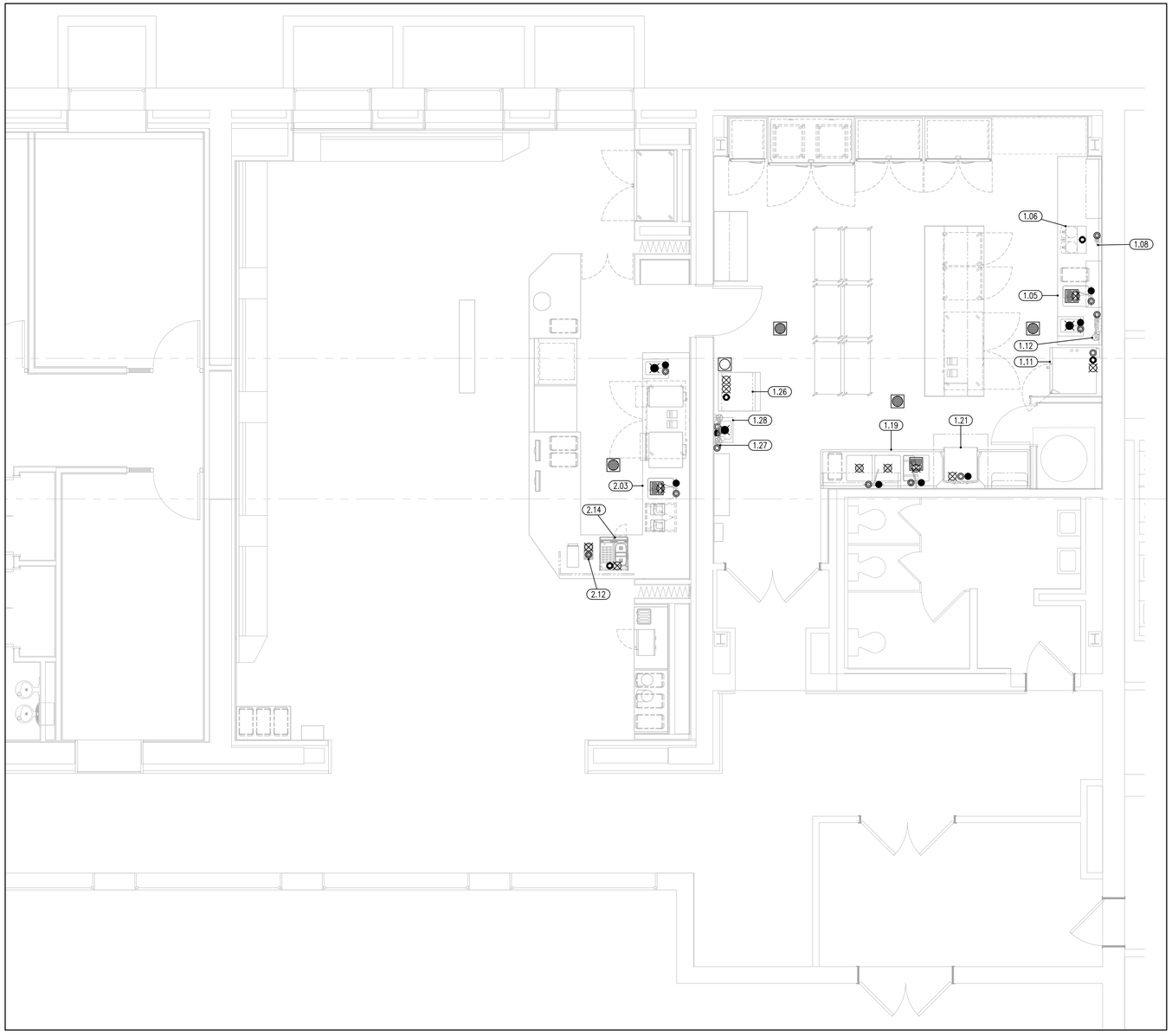
PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
2FL FOODSERVICE ELECTRICAL PLAN

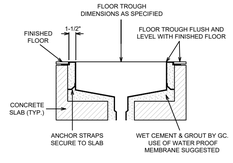
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:** AS NOTED

FS-120



2FL FOODSERVICE PLUMBING PLAN
Scale: 1/4" = 1'-0"

TYPICAL FLOOR TROUGH INSTALLATION



PLUMBING SYMBOLS LEGEND

- COLD WATER
- HOT WATER
- DIRECT WASTE
- INDIRECT WASTE
- FILTERED WATER
- GAS
- CONDENSER / CHILLED WATER IN
- CONDENSER / CHILLED WATER OUT
- FLOOR DRAIN
- FUNNEL FLOOR DRAIN
- FLOOR SINK

GENERAL PLUMBING NOTES

- COMPLETE WORK IN ACCORDANCE WITH ALL LOCAL CODES.
- SEE PLUMBING ENGINEERING PLANS (BY OTHERS) FOR COMPLETE SCOPE OF WORK AND PLUMBING SPECIFICATIONS.
- PROVIDE SHUT-OFF VALVES ON ALL WATER LINES.
- PC TO COMPLETE ALL INTERCONNECTIONS AND FINAL PLUMBING CONNECTIONS.
- PC TO SIZE THE HOT WATER HEATER TO MAXIMIZE USE DEMANDS OF ALL PLUMBING FIXTURES.
- KEC / REFRIGERATION SUB-CONTRACTOR TO PIPE DRAINS FROM WALK-IN REFRIGERATOR / FREEZER EVAPORATOR UNITS TO OPEN SITE DRAIN. USE COPPER PIPE ONLY.
- PC TO COMPLETELY INSTALL ALL HAND SINKS, FAUCETS, LEVER TWIST DRAINS (PROVIDED BY KEC).
- PC TO SUPPLY AND INSTALL BACK-FLOW PREVENTERS ON ALL EQUIPMENT AS REQUIRED BY LOCAL CODES (SPECIFIED BY OTHERS).
- PC TO SUPPLY AND INSTALL VACUUM BREAKERS ON ANY EQUIPMENT REQUIRED BY LOCAL CODES. (SPECIFIED BY OTHERS).
- PC TO SUPPLY AND INSTALL ANY REQUIRED GREASE TRAP OR RECEPTOR AS REQUIRED BY LOCAL CODE. (SPECIFIED BY OTHERS).
- PC TO INSTALL SHUT-OFF VALVE IN MAIN GAS LINE FOR FIRE EXTINGUISHING SYSTEM (PROVIDED BY KEC).
- WHERE REQUIRED, PC TO INSTALL FLEXIBLE QUICK DISCONNECTS (PROVIDED BY KEC).

ABBREVIATIONS

GENERAL		PLUMBING		ELECTRICAL	
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BTC	BRANCH TO CONNECT	CW	COLD WATER	DR	DUPLEX RECEPTACLE
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GC	GENERAL CONTRACTOR	FS	FLOOR SINK	SR	SINGLE RECEPTACLE
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TYP	TYPICAL	MBTU	ONE THOUSAND BRITISH THERMAL UNITS	FP	FIRE PULL BOX
UDS	UTILITY DISTRIBUTION SYSTEM	PSI	POUNDS PER SQUARE INCH	SP	STATIC PRESSURE
		S	STEAM		

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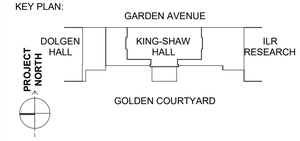
KEY PLAN:



PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

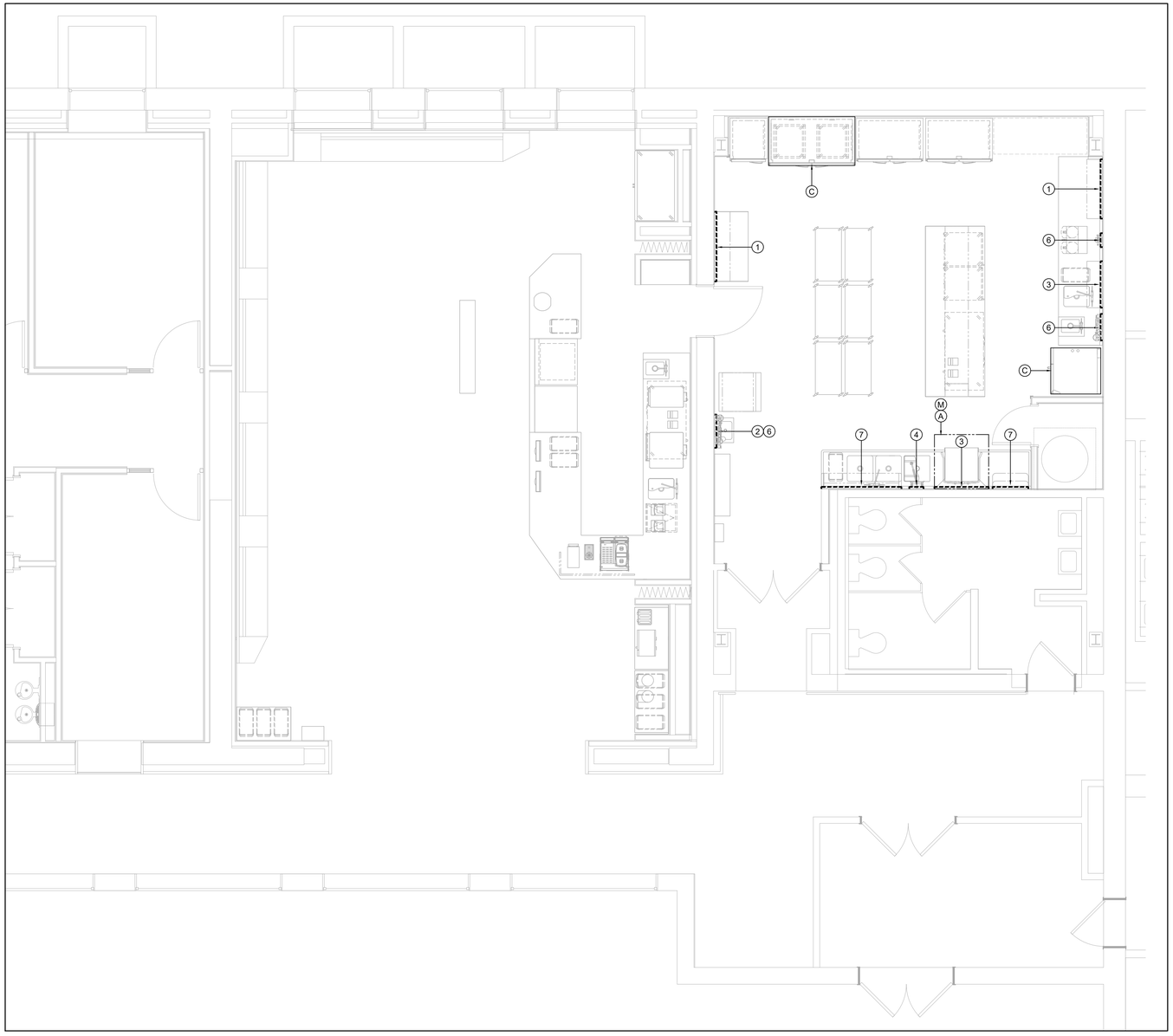
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

2FL FOODSERVICE PLUMBING PLAN

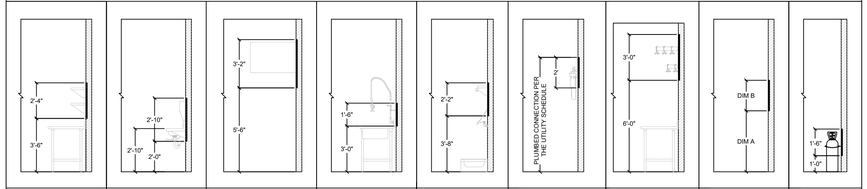
PROJECT NO: 240400	**DATE:** 01/31/2025
PHASE: 100% CD	**SCALE:** AS NOTED

FS-130



---- 2FL FOODSERVICE SPECIAL CONDITIONS PLAN
Scale: 1/4" = 1'-0"

WALL BLOCKING DETAILS



1 WALL SHELVES | 2 HAND SINKS | 3 EXHAUST HOODS | 4 PRE-RINSE BRACKETS & Z-CLIPS | 5 MOP SINK FAUCETS & SHELVES | 6 WATER FILTERS | 7 POT RACK- WALL MOUNTED | 8 CUSTOM - AS NOTED ON PLAN | 9 GAS TANKS

SPECIAL CONDITIONS REQUIREMENTS

- (A) ENGINEER TO SPECIFY AND GC TO INSTALL ANY ADDITIONAL STRUCTURAL SUPPORT FOR CEILING-MOUNTED EQUIPMENT.
- (B) GC TO PROVIDE LEVEL AND SMOOTH FLOOR TO ACCEPT WALK-IN PANELS.
- (C) GC TO PROVIDE LEVEL AND SMOOTH FLOOR AT COOKING LINE & ROLL-IN EQUIPMENT.
- (D) GC TO PROVIDE A DEPRESSION FOR THE FLOOR TROUGH. DEPTH PER THE PLAN.
- (E) GC TO PROVIDE A DEPRESSION FOR THE WALK-IN. DEPRESSION TO BE 4" BELOW THE FINISHED FLOOR.
- (F) NO HVAC WITHIN 6'-0" OF AIRSCREEN REFRIGERATION.
- (G) NO HVAC WITHIN 2'-0" OF VENTLESS DISHWASHER'S AIR IN-TAKE.
- (H) CLEARANCE REQUIRED ABOVE EQUIPMENT. PROVIDE MINIMUM CEILING HEIGHT AS NOTED ON THE PLAN.
- (I) STAINLESS STEEL WALL CLADDING BY THE KEC.
- (J) PROVIDE MECHANICAL ACCESS IN CEILING IN FRONT OF REFRIGERATION RACK. REFER TO ARCHITECTURAL PLANS FOR EXACT SIZING, QUANTITIES, AND LOCATION.
- (K) GC TO PROVIDE INSULATED WALLS.
- (L) 6" CORE FOR BEER OR SODA CONDUIT. SIZE, LOCATION AND CONDUIT RUN TO BE VERIFIED WITH BEVERAGE VENDOR.
- (M) NO FINISHED CEILING OR LIGHTING REQUIRED ABOVE WALK-IN REFRIGERATORS OR EXHAUST HOODS.
- (N) ENSURE CLEARANCES ARE MAINTAINED AROUND THE REFRIGERATION RACK. REFER TO THE REFRIGERATION DETAILS FOR EXACT REQUIREMENTS.

GENERAL SPECIAL CONDITIONS NOTES

- COMPLETE WORK IN ACCORDANCE WITH ALL NATIONAL AND LOCAL CODES.
- GC TO REINFORCE ALL WALLS AND CEILINGS TO SUPPORT ALL WALL AND CEILING SUPPORTED EQUIPMENT.
- GC TO REINFORCE FLOORS AS REQUIRED FOR HEAVY EQUIPMENT.
- GC TO PROVIDE BRIDGING TO BUILDING STRUCTURE ABOVE FOR EXHAUST HOODS.
- GC SHALL VERIFY INSTALLATION HEIGHT OF FINISHED CEILING WITH FOODSERVICE EQUIPMENT BELOW AS SHOWN.
- WHEN SPECIFIED, GC TO PROVIDE MASONRY BASE.
- WHEN SPECIFIED, GC TO PROVIDE BEVERAGE CONDUIT FROM THE BEVERAGE SYSTEM TO THE DISPENSING LOCATION(S). PROVIDE THE SIZE REQUIRED BY THE BEVERAGE VENDOR AND ENSURE THE SYSTEM IS INSTALLED AS REQUIRED, WITH EASY SWEEPS.
- WHEN REQUIRED, GC TO PROVIDE CORE DRILLING TO RUN SODA AND BEER LINES.
- WHEN REQUIRED, GC SHALL PROVIDE CLEAR OPENING IN WALL TO RECEIVE FOODSERVICE EQUIPMENT.
- WHEN RECESSED WALK-IN REFRIGERATOR(S) AND / OR FREEZER(S) ARE SPECIFIED, GC TO PROVIDE DEPRESSION TO RECEIVE WALK-IN(S) BY KEC.
- REFER TO MEP DRAWINGS FOR CO2 SENSOR REQUIREMENTS.

ABBREVIATIONS

GENERAL		PLUMBING		ELECTRICAL	
AFF	ABOVE FINISHED FLOOR	BTU	BRITISH THERMAL UNIT	CP	CORD AND PLUG
BTC	BRANCH TO CONNECT	CW	COLD WATER	DR	DUPLEX RECEPTACLE
DFA	DOWN FROM ABOVE	DW	DIRECT WASTE	HP	HORSE POWER
EC	ELECTRICAL CONTRACTOR	FD	FLOOR DRAIN	JB	JUNCTION BOX
FPC	FIRE PROTECTION CONTRACTOR	FFD	FUNNEL FLOOR DRAIN	KW	KILOWATTS
GC	GENERAL CONTRACTOR	FS	FLOOR SINK	SR	SINGLE RECEPTACLE
KEC	KITCHEN EQUIPMENT CONTRACTOR	FW	FILTERED WATER	SW	SWITCH
NIC	NOT IN CONTRACT	G	GAS	V	VOLTS
OOW	OUT OF WALL	HW	HOT WATER (110° F)	MECHANICAL	
PC	PLUMBING CONTRACTOR	IW	INDIRECT WASTE		
TP	TERMINAL PANEL	LP	LIQUID PROPANE	CFM	CUBIC FEET PER MINUTE
TYP	TYPICAL	MBTU	ONE THOUSAND BRITISH THERMAL UNITS	FP	FIRE PULL BOX
UDS	UTILITY DISTRIBUTION SYSTEM	PSI	POUNDS PER SQUARE INCH	SP	STATIC PRESSURE
		S	STEAM		

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SEAL:

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NO.	DATE	COMMENTS
	2025 01 31	100% CD

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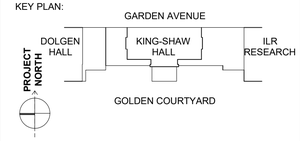


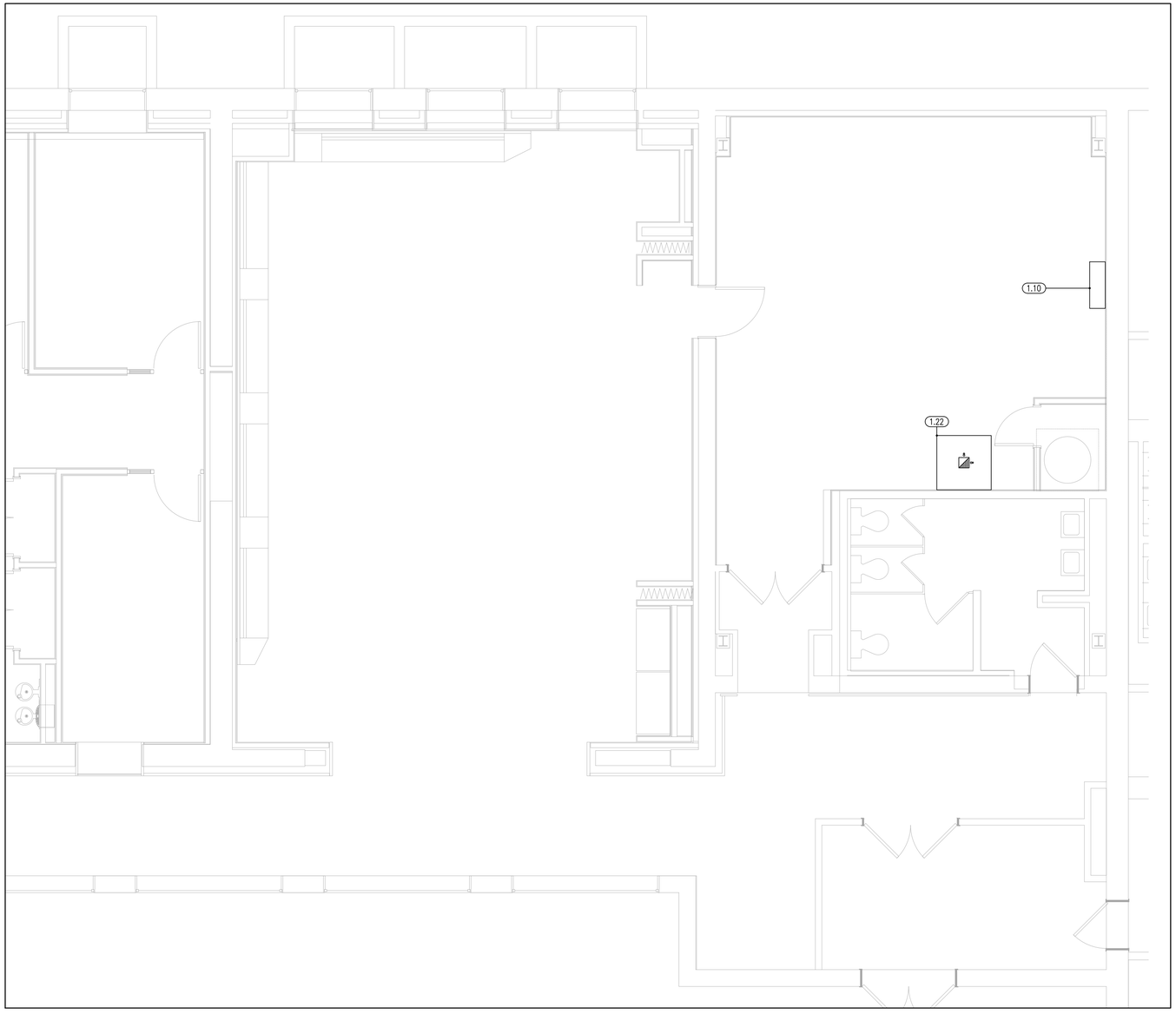
PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
2FL FOODSERVICE SPECIAL CONDITIONS PLAN

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:** AS NOTED

FS-140



2FL FOODSERVICE MECHANICAL PLAN
Scale: 1/4" = 1'-0"

MECHANICAL SCHEDULE

ITEM NO	QTY	UNIT	EQUIPMENT CATEGORY	EXHAUST VENT WIDTH	EXHAUST VENT DEPTH	EXHAUST (CFM)	EXHAUST (SPWG)	MAKEUP VENT WIDTH	MAKEUP VENT DEPTH	MAKEUP (CFM)	MAKEUP (SPWG)	VENTILATION REMARKS	ITEM NO
1.22	1	EA	CONDENSATE HOOD	9"	9"	525						VERIFY EXACT REQUIREMENTS WITH HOOD MANUFACTURER	1.22

GENERAL MECHANICAL NOTES

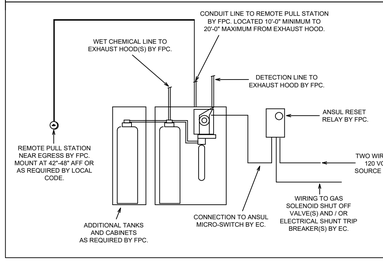
- COMPLETE WORK IN ACCORDANCE WITH ALL NATIONAL AND LOCAL CODES, INCLUDING THE LATEST VERSION OF NFPA 17A AND NFPA 96.
- SEE MECHANICAL ENGINEERING PLANS (BY OTHERS) FOR COMPLETE SCOPE OF WORK AND MECHANICAL SPECIFICATIONS.
- MECHANICAL CONTRACTOR TO PROVIDE ALL DUCTWORK, FANS, FAN CONTROLS (WHETHER ON / OFF OR VARIABLE DEMAND), AND PRECIPITATORS (SPECIFIED BY OTHERS).
- GC TO PROVIDE ALL FIRE EXTINGUISHERS, INCLUDING K-CLASS EXTINGUISHES (SPECIFIED BY OTHERS).
- ALL EXPOSED PIPING FOR FIRE PROTECTION SYSTEM TO BE CHROME-PLATED.
- ELECTRICAL SHUNT TRIP BREAKER(S) PROVIDED BY EC.
- GAS SOLENOID VALVE(S) PROVIDED BY KEC. MEP TO ADVISE WHEN ELECTRIC (NON-MECHANICAL) SOLENOID IS REQUIRED.
- FPC IS TYPICALLY A SUBCONTRACTOR TO THE KEC.

HVAC SYMBOLS LEGEND

EXHAUST CONNECTION

SUPPLY AIR CONNECTION

TYPICAL FIRE SUPPRESSION SYSTEM (ANSUL R-102)



SEQUENCE OF OPERATION

1. SYSTEM IS ENGAGED BY FUSIBLE LINK OR MANUAL OPERATION OF REMOTE PULL STATION.
2. SYSTEM DISCHARGES CHEMICAL THROUGHOUT CONNECTED AREAS.
3. FIRE SUPPRESSION DISCHARGES SIMULTANEOUSLY FOR ALL FIRE PROTECTION IN DUCTWORK AND POLLUTION CONTROL UNITS THAT ARE SHARED WITH THE HAZARD AREA.
4. ALL GAS AND ELECTRIC SUPPLY BENEATH THE HOOD(S) SHUTS OFF.
5. THE ELECTRIC FOR THE FAN REMAINS ON SO THE FAN REMAINS OPERATIONAL. SUPPLY AIR TURNS OFF.
6. WHERE APPLICABLE, DAMPERS TO ADJACENT EQUIPMENT (SUCH AS DISHWASHER EXHAUST) CLOSE.
7. FIRE ALARM AND / OR BUILDING MANAGEMENT SYSTEM IS NOTIFIED.
8. AFTER AUTOMATIC SHUTDOWN, SYSTEM IS RESET MANUALLY.

ABBREVIATIONS

GENERAL		PLUMBING		ELECTRICAL	
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BTC	BRANCH TO CONNECT	CW	COLD WATER	DR	DUPLEX RECEPTACLE
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TP	TERMINAL PANEL	LP	LIQUID PROPANE	CFM	CUBIC FEET PER MINUTE
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UDS	UTILITY DISTRIBUTION SYSTEM	PSI	POUNDS PER SQUARE INCH	SP	STATIC PRESSURE
		S	STEAM		

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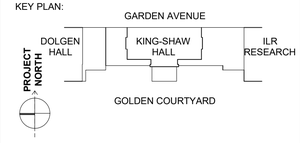


PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

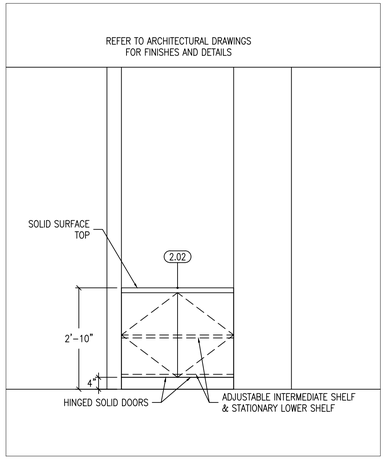
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
2FL FOODSERVICE MECHANICAL PLAN

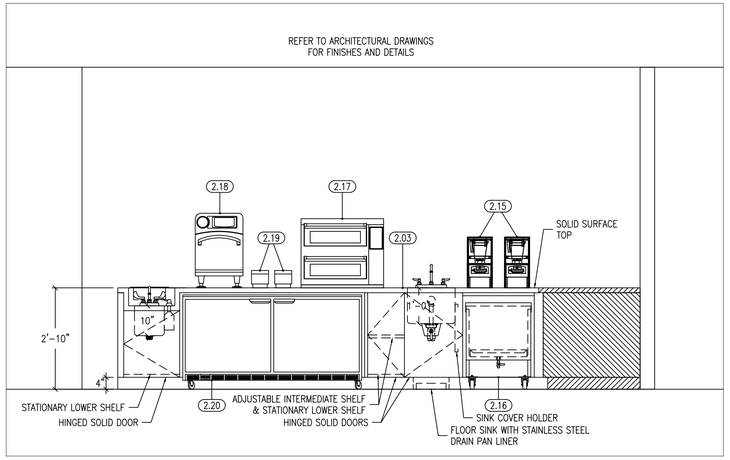
PROJECT NO: 240400 | **DATE: 01/31/2025**

PHASE: 100% CD | **SCALE:** AS NOTED

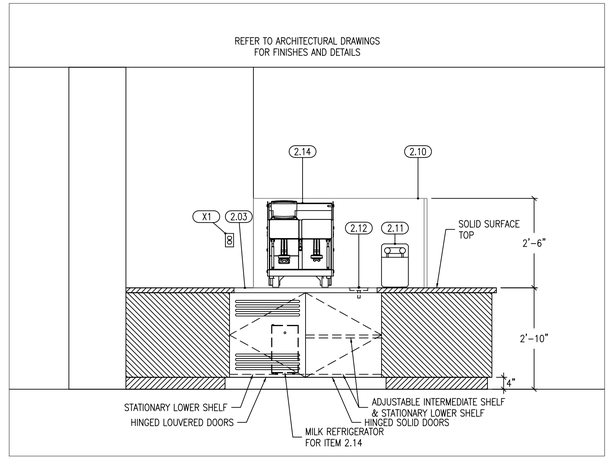
FS-150



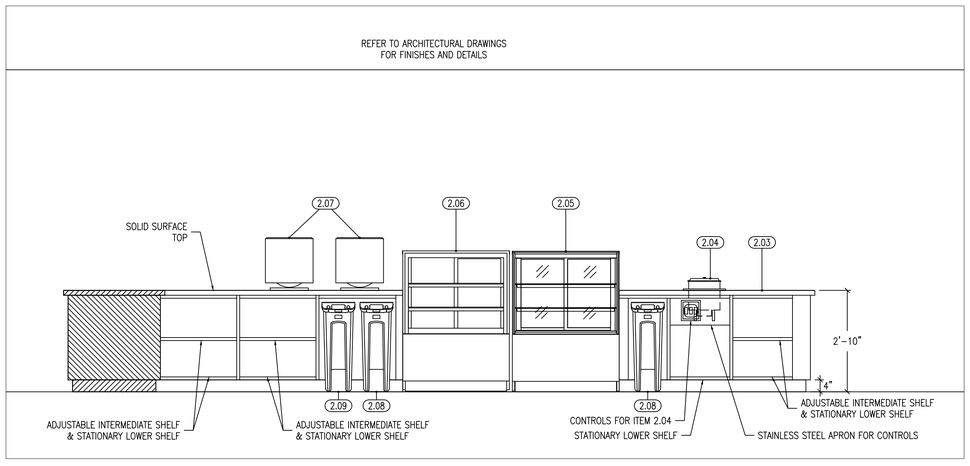
01 STORAGE COUNTER
Scale: 1/2" = 1'-0"



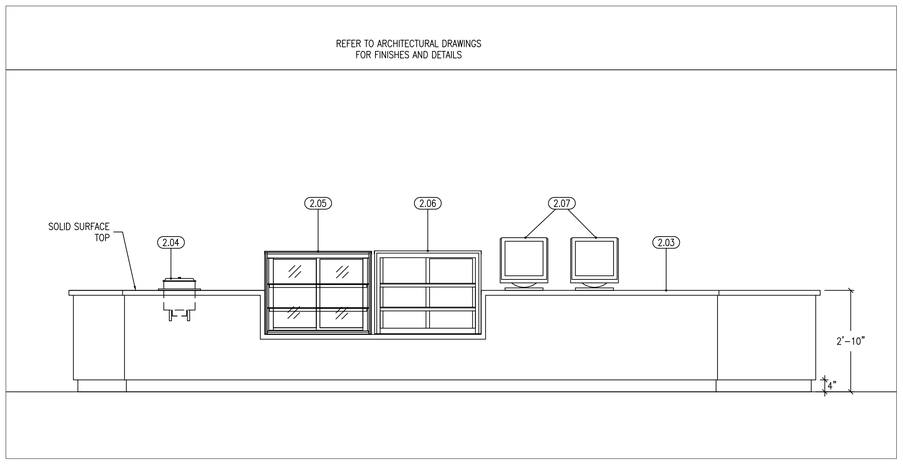
02 CAFE BACK COUNTER
Scale: 1/2" = 1'-0"



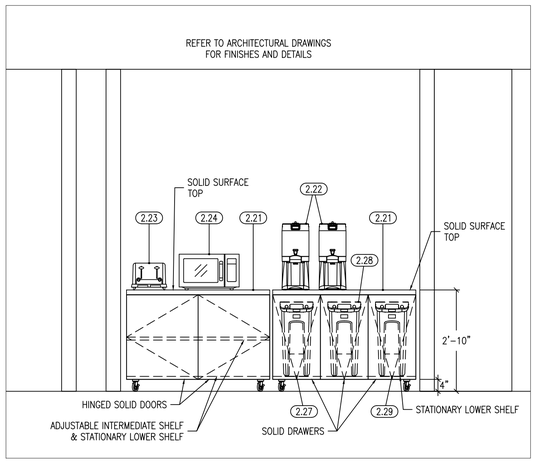
03 CAFE COUNTER - COFFEE
Scale: 1/2" = 1'-0"



04 CAFE COUNTER
Scale: 1/2" = 1'-0"



05 CAFE COUNTER - CUSTOMER SIDE
Scale: 1/2" = 1'-0"



06 CONDIMENT & TRASH MOBILE COUNTERS
Scale: 1/2" = 1'-0"

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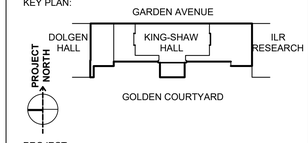

PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

2FL FOODSERVICE ELEVATIONS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:** AS NOTED

FS-200

GENERAL

1. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE STRUCTURE SELF WEIGHT AND SUPERIMPOSED GRAVITY LOADS INDICATED IN THE DESIGN LOAD CRITERIA AND OTHER LOADS WHERE INDICATED IN THE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STABILITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION UNTIL ERECTION IS COMPLETE.

2. CONSTRUCTION LOADS AND SHORING:
   A. CONSTRUCTION PHASE LOADS IMPOSED ON THE BASE BUILDING STRUCTURE AND TEMPORARY CONDITIONS INTENDED TO ACCOMMODATE CONSTRUCTION MEANS AND METHODS ARE NOT EXPLICITLY CONSIDERED IN THIS DESIGN. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION-PHASE LOADS IMPOSED.
   B. STRUCTURAL STABILITY IS ACHIEVED IN THE FINISHED CONSTRUCTION INSTALLED IN ITS ENTIRETY. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE UNTIL THE CONSTRUCTION OF THE STRUCTURE REACHES ITS FINISHED STATE. NOT ALL SHORING NECESSARY TO COMPLETE THE PROJECT IS SHOWN. THE CONTRACTOR WILL IDENTIFY AND DETERMINE WHERE AND TO WHAT EXTENT TEMPORARY SHORING IS REQUIRED.
   C. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND REMOVAL OF ALL TEMPORARY BRACING AND CONSTRUCTION SUPPORTS, FOR NEW AND EXISTING STRUCTURES, AS NECESSARY TO COMPLETE THE PROJECT.
   D. MATERIALS AND EQUIPMENT WILL BE STORED AND TRANSPORTED IN A MANNER SO AS NOT TO EXCEED THE LESSER OF THE ALLOWABLE FLOOR LOADINGS INDICATED IN THE DRAWINGS OR PERMITTED BY THE CONTRACTOR PROVIDED CONSTRUCTION LOADING DESIGN.
   E. THE CONTRACTOR WILL RETAIN A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION TO EVALUATE EXISTING STRUCTURAL AND FOUNDATION ELEMENTS FOR THEIR ABILITY TO SUPPORT PROPOSED CONSTRUCTION LOADS AND TO PROVIDE PROPER STRUCTURAL DESIGN OF SCAFFOLDING, FALSE WORK, STAGING, BRACING, SEQUENCING, SHEETING AND SHORING, ETC.

3. DEVELOPING AND IMPLEMENTING JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

4. ALL COSTS OF INVESTIGATION AND REDESIGN DUE TO CONTRACTOR MIS-LOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS WILL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL REIMBURSE THE EOR FOR REVIEW OF NONCONFORMACE, REDESIGN, AND ASSOCIATED WORK.

5. CONTRACTOR TO REFER TO OTHER DISCIPLINES' DRAWINGS INCLUDING, BUT NOT LIMITED TO, ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS, SLEEVES, INSERTS, AND DEPRESSIONS.

6. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, WATERPROOFING, FIREPROOFING, ETC.

7. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF NON-LOAD BEARING PARTITIONS. PROVIDE DEFLECTION CONNECTIONS THAT ALLOW RELATIVE VERTICAL MOVEMENT BETWEEN PARTITION AND PRIMARY STRUCTURE AT THE HEADS OF ALL SUCH PARTITIONS (ALLOW MOVEMENT NOT LESS THAN 3/4 IN. UNLESS NOTED OTHERWISE). ATTACH AND DETAIL WALL SHEATHING AND OTHER CLADDING IN A MANNER THAT DOES NOT INHIBIT MOVEMENT. THE CONNECTIONS, UNLESS SHOWN ON THE DRAWINGS, ARE TO BE DESIGNED TO LATERALLY BRACE THE TOPS OF THE WALLS FOR THE CODE REQUIRED LATERAL LOAD.

8. IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES AND DETAILS, THE MOST STRINGENT GOVERN.

9. WORK IN SOME AREAS IS NOT EXPLICITLY DETAILED ON THE DRAWINGS BUT IS IMPLIED TO BE SIMILAR TO CORRESPONDING AREAS. WORK IN THESE AREAS BE THE SAME AS THAT SHOWN AT THE CORRESPONDING LOCATIONS.

SUBMITTALS

1. SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS ARE REQUIRED TO BE SUBMITTED BY THE CONTRACTOR AND REVIEWED BY THE STRUCTURAL ENGINEER. IF A CONTRACTOR OR OWNER FAILS TO SUBMIT THE SHOP DRAWINGS, SIMPSON GUMPERTZ & HEGER INC., P.C. WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL CERTIFICATION AND DESIGN OF THE PROJECT.

2. UNAUTHORIZED REPRODUCTION OF ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RE-SUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.

3. SHOP DRAWINGS WILL BE SUBMITTED ELECTRONICALLY IN PORTABLE DOCUMENT FORMAT (PDF). A MARKED-UP PDF COPY OF THE SHOP DRAWINGS WITH THE STRUCTURAL ENGINEER'S COMMENTS WILL BE RETURNED TO THE CONTRACTOR.

4. ALLOW 10 BUSINESS DAYS FOR STRUCTURAL REVIEW OF SHOP DRAWINGS. THIS TIME SHOULD BE ALLOTTED IN THE CONTRACTOR'S SCHEDULE.

5. SHOP DRAWINGS WILL BEAR THE CONTRACTOR'S STAMP OF APPROVAL WHICH WILL CONSTITUTE CERTIFICATION THAT THEY HAVE VERIFIED ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, MATERIALS, AND SIMILAR DATA AND HAVE CHECKED EACH DRAWING FOR COMPLETENESS, COORDINATION, AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. SHOP DRAWINGS NOT REVIEWED BY THE CONTRACTOR WILL NOT BE REVIEWED BY SIMPSON GUMPERTZ & HEGER.

6. CONTRACTOR WILL FURNISH DIMENSIONED SHOP DRAWINGS SHOWING LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES FOR REVIEW BY THE MEP, ARCHITECT, AND STRUCTURAL ENGINEER. THESE DRAWINGS WILL BE SUBMITTED FOR REVIEW A MINIMUM 21 DAYS PRIOR TO PLACEMENT OF THE SLEEVES AND OPENINGS.

SPECIFICATIONS

1. THE WORK SHOWN ON THESE DRAWINGS ADDRESSES STRUCTURAL INFORMATION ONLY. THE STRUCTURAL DOCUMENTS INCLUDE THESE S-SERIES DRAWINGS AND GENERAL NOTES. THERE ARE NO TECHNICAL SPECIFICATIONS IN ADDITION TO THESE GENERAL NOTES.

ELEVATIONS AND DIMENSIONS

1. ALL ELEVATIONS AND DIMENSIONS SHOWN FOR NEW CONSTRUCTION ARE BASED ON THE ARCHITECTURAL DRAWINGS. COORDINATE ALL ELEVATIONS AND DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION.

2. EXISTING BUILDING INFORMATION SHOWN IS BASED ON EXISTING BUILDING DRAWINGS, FIELD OBSERVATIONS, OR AS INDICATED ON THE ARCHITECTURAL DRAWINGS. THE INFORMATION SHOWN ON THESE DOCUMENTS IS THE BEST REPRESENTATION OF EXISTING CONDITIONS AVAILABLE TO THE ENGINEER. THE CONTRACTOR WILL VERIFY ALL EXISTING BUILDING INFORMATION SHOWN (DIMENSIONS, ELEVATIONS, ETC.) AND NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. UPON RECEIPT OF THE SHOP DRAWINGS, THE ENGINEER HAS THE RIGHT TO ASSUME THAT ALL FIELD DIMENSIONS, ELEVATIONS, AND CONDITIONS HAVE BEEN VERIFIED BY THE CONTRACTOR AND THAT THE SHOP DRAWINGS ACCURATELY REFLECT SUCH VERIFICATIONS UNLESS STATED OTHERWISE IN THE SHOP DRAWINGS.

BUILDING CODE

1. THE FOLLOWING BUILDING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS REFERENCED WITHIN, WILL APPLY TO THE DESIGN, CONSTRUCTION, QUALITY CONTROL, AND SAFETY OF ALL WORK PERFORMED ON THE PROJECT.
   A. "NEW YORK STATE BUILDING CODE 2020"
   B. "INTERNATIONAL BUILDING CODE – 2018," INTERNATIONAL CODE COUNCIL, INCLUDING LOCAL JURISDICTION AMENDMENTS.
   C. "INTERNATIONAL EXISTING BUILDING CODE – 2018," INTERNATIONAL CODE COUNCIL, INCLUDING LOCAL JURISDICTION AMENDMENTS.
   D. "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES," (ASCE/SEI 7 – 16, 2016), AMERICAN SOCIETY OF CIVIL ENGINEERS.
   E. ADDITIONAL CODES AND STANDARDS FOR DIFFERENT MATERIALS ARE LISTED IN THE SECTIONS THAT FOLLOW.

DESIGN LOADS

1. ROOF LIVE LOADS
   A. UNIFORM MINIMUM LIVE LOAD: 30 PSF
   B. CONCENTRATED ROOF LIVE LOAD: 300 LB

2. SNOW LOAD – PLUS DRIFTING AND SLIDING WHERE APPLICABLE
   A. GROUND SNOW LOAD, PG = 40 PSF
   B. FLAT ROOF SNOW LOAD, PF = 34 PSF
   C. EXPOSURE FACTOR, CE = 1.0
   D. SNOW IMPORTANCE FACTOR, IS = 1.1
   E. THERMAL FACTOR, CT = 1.1
   F. SLOPE FACTOR, CS = 0.77

3. WIND LOAD PARAMETERS
   A. BASIC WIND SPEED (3-SECOND GUST), V = 116 MPH
   B. RISK CATEGORY = III
   C. EXPOSURE CATEGORY: B
   D. EXISTING BUILDINGS: THE SCOPE OF WORK ON THIS PROJECT DOES NOT CHANGE THE DEMAND UPON NOR REDUCE THE RESISTANCE PROVIDED BY THE WIND FORCE RESISTING SYSTEMS (WFRS) BY MORE THAN 10%. BASED ON IEBC REQUIREMENTS, NO EVALUATION OR UPGRADE OF THE EXISTING WFRS HAS BEEN CONDUCTED.

1. SEISMIC LOAD PARAMETERS
   A. RISK CATEGORY = III
   B. SEISMIC IMPORTANCE FACTOR, IE = 1.25
   C. MAPPED SPECTRAL RESPONSE ACCELERATIONS
      1. S(S) = 0.119
      2. S(1) = 0.045
   D. SITE CLASS: D - DEFAULT (ASSUMED)
   E. SPECTRAL RESPONSE COEFFICIENTS
      1. S(DS) = 0.127
      2. S(D1) = 0.073
   F. SEISMIC DESIGN CATEGORY = B
   G. EXISTING BUILDINGS: THE SCOPE OF WORK ON THIS PROJECT DOES NOT CHANGE THE SEISMIC DEMAND UPON NOR REDUCE THE RESISTANCE PROVIDED BY THE SEISMIC FORCE RESISTING SYSTEMS (SFRS) BY MORE THAN 10%. BASED ON IEBC REQUIREMENTS, NO EVALUATION OR UPGRADE OF THE EXISTING SFRS HAS BEEN CONDUCTED.

MASONRY

1. CODES AND STANDARDS:
   A. "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, TMS 402-16."
   B. "SPECIFICATIONS FOR MASONRY STRUCTURES, TMS 602-16."
2. MATERIALS:
   A. LOAD BEARING CONCRETE MASONRY:
      1. HOLLOW AND SOLID: ASTM C90
         a. NORMAL WEIGHT
         b. NET AREA COMPRESSIVE STRENGTH OF UNITS = 2000 PSI
         c. COMPRESSIVE STRENGTH OF MASONRY, F'M = 2000 PSI
         d. HOLLOW UNITS TO BE TWO CORE TYPE
   B. MORTAR ASTM C270, TYPE S (CMU); TYPE N (BRICK)
   C. GROUT ASTM C476
      1. MINIMUM COMPRESSIVE STRENGTH = 2000 PSI
   D. HORIZONTAL JOINT REINF. ASTM A951
      1. 9-GAUGE (W1.7) HOT-DIP GALVANIZED
      2. TRUSS-TYPE FOR UNREINFORCED AND LADDER-TYPE FOR REINFORCED MASONRY
   E. POTABLE WATER
   F. SAND ASTM C144
      1. FINENESS MODULUS 2.0 TO 2.5
   G. HYDRATED LIME ASTM C207, TYPE I OR II
   H. REINFORCING BARS ASTM A615, GRADE 60

3. GENERAL:
   A. PROVIDE HORIZONTAL JOINT REINFORCEMENT AT 16 IN. O.C. PROVIDE ONE PIECE PREFABRICATED UNITS AT 8 IN. O.C. AT ALL WALL CORNERS AND INTERSECTIONS. LAP REINFORCEMENT A MINIMUM OF TWO CELLS.
   B. PROVIDE MASONRY ANCHORS AT 16 IN. O.C. SET ON COURSING AND ATTACHED TO ALL BEAMS, COLUMNS, PARTITIONS, AND WALLS ABUTTING OR EMBEDDED IN MASONRY.
   C. PROVIDE CONTINUOUS HORIZONTAL BOND BEAMS IN ALL MASONRY WALLS AT EACH FRAMING LEVEL AND WHERE OTHERWISE INDICATED. REINFORCE WITH (2) #4 MINIMUM HORIZONTAL REINFORCEMENT UNLESS NOTED OTHERWISE.
   D. ALL PIERS AND PARTITIONS WILL BE BONDED OR ANCHORED TO ADJACENT MASONRY WALLS. PROVIDE TIES TO ADJACENT FLOOR AND ROOF CONSTRUCTION IN ACCORDANCE WITH DETAILS AND DRAWINGS.
   E. IN MULTIPLE WYTHE WALLS (CAVITY AND COMPOSITE WALLS) BOND THE WYTHES TOGETHER WITH RIGID METAL TIES OR PREFABRICATED JOINT REINFORCEMENT CONFORMING TO ACI 530 / ASCE 5 REQUIREMENTS. COMPLETELY FILL ALL COLLAR JOINTS IN COMPOSITE WALLS WITH MORTAR OR GROUT.
   F. IN GROUTED AND/OR REINFORCED MASONRY WALLS, USE MASONRY UNITS WITH CORES THAT ALIGN VERTICALLY TO PROVIDE CONTINUOUS UNOBSTRUCTED CELLS FOR GROUTING AND REINFORCING STEEL PLACEMENT.
   G. LAP SPLICES FOR DEFORMED REINFORCING BARS USED IN MASONRY CONSTRUCTION WILL BE 50 BAR DIAMETERS.
   H. ALL WALL SECTIONS AND PIERS LESS THAN 4 FEET SQUARE IN CROSS-SECTIONAL AREA TO BE FULLY GROUTED OR OF 100% SOLID MASONRY UNITS.
   I. CONTRACTOR WILL PROVIDE ADEQUATE BRACING AND SUPPORT OF ALL MASONRY WORK UNTIL PERMANENT CONSTRUCTION IS IN PLACE AND GROUT HAS REACED 75% OF DESIGN STRENGTH.
   J. SEE DETAILS FOR GENERAL CONTROL JOINT REQUIREMENTS. JOINTS ARE TO BE CONSTRUCTED IN ALL WALLS AND PARTITIONS.
   K. THE CONTRACTOR WILL VERIFY ALL OPENINGS BELOW LINTELS INDICATED ARE ADEQUATE TO ACCEPT DOOR FRAMES, LOUVERS, WINDOW FRAMES, ETC. AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO LINTEL INSTALLATION.
   L. NO OPENINGS WILL BE PLACED ABOVE ANY LINTEL WITHIN A HEIGHT LESS THAN OR EQUAL TO THE WIDTH OF THE CLEAR OPENING BELOW THE LINTEL, UNLESS DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.
   M. SUBMIT SHOP DRAWINGS FOR ENGINEER'S APPROVAL INCLUDING COMPLETE BENDING AND PLACING DETAILS OF ALL REINFORCING STEEL INDICATING POSITION OF SPLICES AND LOCATION OF REINFORCEMENT AND GROUT IN THE MASONRY.
   N. GROUT ALL REINFORCED (VERTICAL AND HORIZONTAL) CELLS AND UN-REINFORCED CELLS IF INDICATED.
4. INSPECTION AND TESTING:
   A. THE OWNER WILL ENGAGE A TESTING AGENCY TO PROVIDE SERVICES AS INDICATED IN THESE DRAWINGS AND SUBMIT REPORTS.

STRUCTURAL STEEL & MISC. CARBON STEEL

1. CODES AND STANDARDS:
   A. "THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," AISC 360-16, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.
   B. "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AISC 303-16, AMERICAN INSTITUTE OF STEEL CONSTRUCTION
   C. "SPECIFICATION FOR STRUCTURAL STAINLESS STEEL BUILDINGS," AISC 370-21, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.
   D. "CODE OF STANDARD PRACTICE FOR STRUCTURAL STAINLESS STEEL BUILDINGS," AISC 313-21, AMERICAN INSTITUTE OF STEEL CONSTRUCTION
   E. "STRUCTURAL WELDING CODE – STEEL," AWS D1.1-2015, AMERICAN WELDING SOCIETY.
   F. "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS," RESEARCH COUNCIL FOR STRUCTURAL CONNECTIONS.
   G. "METAL BAR GRATING MANUAL," NATIONAL ASSOCIATIONS OF ARCHITECTURAL METALS MANUFACTURERS.

2. DESIGN GUIDES:
   A. "STEEL CONSTRUCTION MANUAL," FIFTEENTH EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.
   B. "DESIGN GUIDE 27: STRUCTURAL STAINLESS STEEL," SECOND EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 2022.
3. STRUCTURAL SHAPES:
   A. WIDE FLANGE SHAPES: ASTM A992
   B. ANGLES, PLATES, AND CHANNELS: ASTM A36
   C. RECTANGULAR/SQUARE HSS SHAPES: ASTM A500, GRADE C, Fy=50KSI
4. FASTENERS AND CONNECTORS:
   A. HIGH STRENGTH BOLTS: ASTM F3125 GRADE A325 OR F1852
   B. WELDING ELECTRODES:
      1. CONFORM TO AWS SPECIFICATIONS FOR ELECTRODES BASED ON WELDING PROCESS AND THE TYPE AND GRADE OF STEEL.
      2. E70XX ELECTRODES (MIN.) FOR FILLET WELDS.
      3. USE 70 KSI LOW HYDROGEN ELECTRODES FOR WELDING TO EXISTING CONSTRUCTION.
5. FABRICATION:
   A. SHOP FABRICATE TO GREATEST EXTENT POSSIBLE BY WELDING, INCLUDING BEAM STIFFENERS, COLUMN CAPS AND BASES, HOLES, AND CONNECTIONS. SUBMIT COMPLETE SHOP DRAWINGS FROM FIELD DIMENSIONS FOR THE ARCHITECT'S APPROVAL OF ALL STRUCTURAL STEEL PRIOR TO FABRICATION.
   B. PRIOR TO STARTING FABRICATION, CERTIFIED COPIES OF THE MILL TEST REPORTS WILL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.

6. ERECTION:
   A. PROVIDE BEARING PLATES AND WALL ANCHORS OR ANCHOR RODS FOR ALL BEAMS RESTING ON CONCRETE AND ALL OTHER NECESSARY CONNECTING HARDWARE. SET ANCHOR RODS USING TEMPLATE.
   B. DO NOT FIELD CUT OR FIELD MODIFY ANY STRUCTURAL STEEL WITHOUT PRIOR WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER FOR EACH SPECIFIC CASE.
   C. THE GENERAL CONTRACTOR WILL NOTIFY THE STRUCTURAL ENGINEER OF ANY FABRICATION OR ERECTION ERRORS OR DEVIATIONS AND RECEIVE WRITTEN APPROVAL BEFORE ANY FIELD CORRECTIONS ARE MADE. GAS CUTTING TORCHES WILL NOT BE USED TO CORRECT FABRICATION ERRORS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
   D. PERMANENT FRAMING AND FINAL CONNECTION DETAILS ARE SHOWN ON THE DRAWINGS. THE FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR THE DESIGN OF TEMPORARY BRACING AND RECOMMEND ERECTION PROCEDURES.

7. CONNECTIONS:
   A. ALL SHOP AND FIELD CONNECTIONS WILL BE MADE WITH HIGH STRENGTH BOLTS OR WELDS. ALL HIGH STRENGTH BOLTS AND NUTS WILL BE CLEARLY MARKED AS REQUIRED BY AISC SPECIFICATION. CONNECTIONS MADE WITH UNMARKED BOLTS AND NUTS WILL BE REJECTED.
   B. PROVIDE ACCESS FOR INSPECTION OF ALL SHOP AND FIELD CONNECTIONS FOR PROPER MATERIAL AND WORKMANSHIP.
   C. CONTRACTOR NOTE: ALTERNATE CONNECTION DESIGNS WILL ONLY BE ALLOWED WITH PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. IF SUCH APPROVAL IS GRANTED, ALL CONNECTIONS, SPLICES, AND ERECTION PIECES NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS (FABRICATOR'S REDESIGN) WILL BE DESIGNED BY THE FABRICATOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. CALCULATIONS AND SHOP DRAWINGS WILL BE SUBMITTED BEARING THE ENGINEER'S SEAL AND SIGNATURE.
   D. CONNECTIONS WILL BE SELECTED FOR REACTIONS AS SHOWN ON PLANS AND AS DETAILED AND SCHEDULED. CONNECTIONS WILL CONSIST OF AT LEAST (2) 3/4 in. DIAMETER A325-N BOLTS OR WELDS DEVELOPING A MINIMUM OF 10,000 POUNDS (FACTORED). MINIMUM FILLET WELD SIZE IS 3/16 IN.
   E. UNLESS DETAILED OTHERWISE, ALL A325 BOLTS WILL BE TIGHTENED TO THE 'SNUG TIGHT' CONDITION DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A PERSON USING AN ORDINARY SPUD WRENCH. THE SNUG TIGHT CONDITION MUST ENSURE THAT THE PLIES OF THE CONNECTED MATERIALS HAVE BEEN BROUGHT INTO SNUG CONTACT.
   F. WELDING ELECTRODES, WELDING PROCESS, MINIMUM PREHEAT, AND INTERPASS TEMPERATURES WILL BE IN ACCORDANCE WITH THE AISC AND AWS SPECIFICATIONS. ANY STRUCTURAL DAMAGE IN WELDING IS TO BE REPLACED OR REINFORCED AS ACCEPTABLE TO THE STRUCTURAL ENGINEER.
   G. WELDERS WILL HAVE CURRENT EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATION TESTS. THE ENGINEER MAY REQUEST SUCH EVIDENCE AT ANY TIME DURING THE PROJECT.

8. STEEL FINISH:
   A. PAINT: SHOP PRIME FOR ALL STEEL NOT ENCASED IN CONCRETE, NOT FIELD WELDED, OR NOT FIREPROOFED. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FINISH COAT REQUIREMENTS.
      a. FABRICATOR'S STANDARD LEAD- AND CHROMATE-FREE, NONASPHALTIC, RUST-INHIBITING PRIMER COMPLYING WITH MPI#79 AND COMPATIBLE WITH INTERMEDIATE AND TOPCOAT. COMPLY WITH DIVISION 09 SPECIFICATIONS.
      b. SURFACE PREPARATION: CLEAN SURFACES TO BE PAINTED. REMOVE LOOSE RUST AND MILL SCALE AND SPATTER, SLAG, OR FLUX DEPOSITS. PREPARE SURFACES PER SSPC-SP3 "POWER TOOL CLEANING".
      c. IMMEDIATELY AFTER SURFACE PREPARATION, APPLY PRIMER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND AT RATE RECOMMENDED BY SSPC TO PROVIDE A DRY FILM THICKNESS OF NOT LESS THAN 1.5 MILS. USE PRIMING METHODS THAT RESULT IN FULL COVERAGE OF JOINTS, CORNERS, EDGES, AND EXPOSED SURFACES. STRIPE PAINT CORNERS, CREVICES, BOLTS, WELDS, AND SHARP EDGES. PPLY TWO COATS OF SHOP PAINT TO INACCESSIBLE SURFACES AFTER ASSEMBLY OR ERECTION. CHANGE COLOR OF SECOND COAT TO DISTINGUISH IT FROM THE FIRST.
      d. AFTER INSTALLATION, PROMPTLY CLEAN, PREPARE, AND PRIME OR REPRIME FIELD CONNECTIONS, RUST SPOTS, AND ABRADED SURFACES OF PRIME-PAINTED JOISTS AND ACCESSORIES, BEARING PLATES, AND ABUTTING STRUCTURAL STEEL. CLEAN AND PREPARE SURFACES BY SSPC-SP 2 HAND-TOOL CLEANING OR SSPC-SP 3 POWER-TOOL CLEANING. APPLY A COMPATIBLE PRIMER OF SAME TYPE AS SHOP PRIMER USED ON ADJACENT SURFACES.
   B. ALL STRUCTURAL STEEL THAT IS LOCATED IN EXTERIOR UNHEATED SPACES AND EXPOSED FOR AESTHETICS, INCLUDING STEEL DIRECTLY EXPOSED TO WEATHER, WILL BE POWER-TOOLED CLEANED AND PAINTED OR GALVANIZED ACCORDING TO DETAILS AND ARCHITECT'S SPECIFICATIONS.
      1. HOT-DIPPED GALVANIZING ASTM A123 / ASTM A153
      2. GALVANIZING REPAIR/TOUCH-UP ASTM A780

9. INSPECTION AND TESTING:
   A. THE OWNER WILL ENGAGE A TESTING AGENCY TO PROVIDE SERVICES AS INDICATED IN THESE DRAWINGS AND SUBMIT REPORTS.

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Digitally Stamped
2/5/25

STATE OF NEW YORK · MICHAEL A. TECCI · 104884 · LICENSED PROFESSIONAL ENGINEER

REVISIONS

No.	Date	Description

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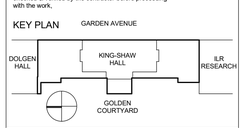
All dimensions and existing conditions shall be checked & verified by the contractor before proceeding with the work.

KEY PLAN



Project:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

Drawing Title:

GENERAL NOTES

PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

S001

STATEMENT OF SPECIAL INSPECTIONS

LOCATION	**140 GARDEN AVE, ITHACA, NY 14853**
OWNER	CORNELL UNIVERSITY
DESIGN PROFESSIONAL IN CHARGE	MICHAEL TECCI, PE

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the International Building Code 2018 (IBC). It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines: STRUCTURAL. The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge (RDP). Discovered discrepancies shall be brought to the immediate attention of the contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the RDP. The Special Inspection program does not relieve the contractor of his or her responsibilities for quality assurance.

Interim reports shall be submitted to the Building Official and the RDP.

A Final Report of Special Inspections documenting completion of all required Special Inspections, testing, and correction of any discrepancies noted in the inspections shall be submitted by the Special Inspection Coordinator prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the contractor.

Interim reports shall be submitted monthly.

In accordance with IBC 2018, the Observations and Inspections listed below are not required.

**ENGR NOTE: SPECIFIC SECTIONS, AND THEIR SUBSECTIONS, MAY NOT APPLY TO A PROJECT AND MAY BE LISTED IN THE SPACE ABOVE. REVIEW PORTIONS OF SECTIONS 1704.6, 1705.11, 1705.12, AND OTHERS THAT MAY NOT APPLY DUE TO PROJECT WIND SPEED, EXPOSURE CATEGORY, SDC, OR OTHER PROJECT BASED CRITERIA. COORDINATE WITH PIC.

SCHEDULE OF INSPECTION AND TESTING AGENCIES

SPECIAL INSPECTION AGENCIES	FIRM	ADDRESS	TELEPHONE #
Special Inspection Coordinator	TBD		
Inspector	TBD		
Geotechnical Engineer	NA		

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent in accordance with Section 1704.2 the 2018 International Building Code (IBC 2018), and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. ENGR NOTE: Some federal projects require that the special inspector be retained by the contractor. Verify prokect requirements w/ PM & owner

STATEMENT OF CONTRACTOR'S RESPONSIBILITY

In accordance with IBC 2018 Section 1704.4, each contractor responsible for the construction or fabrication of a main wind-force resisting system or a seismic-force-resisting system or a wind- or seismic-resisting component listed in the statement of special inspections above must submit a Statement of Responsibility to the Structural Engineer of Record, the building official and the owner prior to commencement of work on the system. The contractor's statement of responsibility shall contain acknowledgement of awareness of the special requirements contained in the statement of special inspections.

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all inspectors and testing technicians shall be provided.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the Agency Number on the Schedule.

PE/SE	Structural Engineer – a licensed PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination
AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION	
ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCSI	Concrete Construction Special Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength Testing Technician
AMERICAN WELDING SOCIETY (AWS) CERTIFICATION	
AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector
INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION	
ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector
NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)	
NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

REFERENCES

CODE/STANDARD	TITLE
ACI 301-16	Standard Specifications for Structural Concrete.
ACI 318-14	Building Code Requirements for Structural Concrete
TMS402-16/TMS 602-16	Specifications for Masonry Structures
AISC 360-16	Specification for Structural Steel Buildings
ASTM A6-14	Specification for General Requirements for Rolled Steel Plates, Shapes, Sheet Piling, and Bars for Structural Use.
ASTM A568-14	Specification for Steel Sheet, Carbon and High-Strength, Low-Alloy, Hot-Rolled and Cold Rolled, General Requirements For
ASTM C31-15	Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C94-15	Specification for Ready-Mixed Concrete
ASTM C109-16	Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2 in. or 50 mm Cube Specimens)
ASTM C138-17	Test Method for Unit Weight, Yield and Air Content (Gravimetric) of Concrete
ASTM C143-17	Test Method for Slump of Hydraulic Cement Concrete.
ASTM C172-14	Practice for Sampling Freshly Mixed Concrete
ASTM C173-16	Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method.
ASTM C231-17	Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C567-14	Test Method for Unit Weight of Structural Lightweight Concrete
ASTM C1064-17	Test Method for Temperature of Freshly Mixed Portland Cement Concrete
ASTM C1090-15	Test Method for Measuring Changes in Height of Cylindrical Specimens from Hydraulic Cement Grout
ASTM C1314-18	Test Method for Constructing and Testing Masonry Prisms Used to Determine Compliance with Specified Compressive Strength of Masonry
AWS D1.1-2015	Structural Welding Code – Steel.
APPLICABLE BUILDING CODE	
RCSC-2014	Specification for Structural Joints Using High Strength Bolts

IBC 2018 SECTION 1705.2.1, AISC 360-16, CHAPTER N
REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL ELEMENTS

Structural Steel inspections listed below are based on the requirements of AISC 360-16 Chapter N "Quality Control and Quality Assurance." Quality Assurance inspections of structural steel fabricators are not required if the fabricator is registered and approved in accordance with IBC Section 1704.2.5.1 to perform such work without Special Inspections, provides evidence of approval (such as an appropriate AISC Certification), and submits a certificate of compliance to the owner or the owner's authorized agent for submittal to the building official as specified in Section 1704.5 stating that the work was performed in accordance with the approved construction documents.

Inspector Qualifications	Welding inspectors shall have the AWS-CWI credential
	Bolting and Framing inspectors shall have the ICC-SWSI credential or shall provide documented training and expereince in structural steel inspection

	Verification and Inspection Tasks	QC	QA	AISC 360-16 Reference
General	Inspection of fabricators & steel fabrication process	-	P	IBC 1704.2.5
	Document acceptance or rejection of inspected items	P	P	N7
Prior to Welding	Welder qualification records and continuity records	P	O	Table N5.4-1
	Welding procedure specifications (WPSs) available	P	P	Table N5.4-1
	Manufacturer certifications for welding consumables available	P	P	Table N5.4-1
	Material identification (type/grade)	O	O	Table N5.4-1
	Welder identification system (1)	O	O	Table N5.4-1
	Fit-up of groove welds (including joint geometry) - Joint preparations - Dimensions (alignment, root opening, root face, bevel) - Cleanliness (condition of steel surfaces) - Tacking (tack weld quality and locations) - Backing type and fit (if applicable)	O	O	Table N5.4-1
	Fit-up of CJP welds groove welds of HSS T-, Y- and K-joints without backing (including joint geometry) - Joint preparations - Dimensions (alignment, root opening, root face, bevel) - Cleanliness (condition of steel surfaces) - Tacking (tack weld quality and locations)	P	O	
	Configuration and finish of access holes	O	O	Table N5.4-1
	Fit-up of fillet welds - Dimensions (alignment, gaps at root) - Cleanliness (condition of steel surfaces) - Tacking (tack weld quality and locations)	O	O	Table N5.4-1
	Check welding equipment	O	-	Table N5.4-1
During Welding	Control and handling of welding consumables - Packaging - Exposure control	O	O	Table N5.4-2
	No welding over cracked tack welds	O	O	Table N5.4-2
	Environmental conditions - Wind speed within limits - Precipitation and temperature	O	O	Table N5.4-2
	WPS Followed - Settings on welding equipment - Travel speed - Selecting welding materials - Shielding gas type/flow rate - Preheat applied - Interpass temperature maintained (min./max) - Proper position (F,V,H,OH)	O	O	Table N5.4-2
	Welding techniques - Interpass and final cleaning - Each pass within profile limitations - Each pass meets quality requirements	O	O	Table N5.4-2
	Placement and installation of steel headed stud anchors	P	P	Table N5.4-2
After Welding	Welds cleaned	O	O	Table N5.4-3
	Size, length and location of welds are in compliance with the construction documents	P	P	Table N5.4-3
	Welds meet visual acceptance criteria - Crack prohibition - Weld/base-metal fusion - Crater cross section - Weld profiles - Weld size - Undercut - Porosity	P	P	Table N5.4-3
	Arc strikes	P	P	Table N5.4-3
	k-area (2)	P	P	Table N5.4-3
	Weld access holes in rolled heavy shapes and built-up heavy shapes (3)			
	Backing removed and weld tabs removed (if required)	P	P	Table N5.4-3
	Repair activities	P	P	Table N5.4-3
	Document acceptance or rejection of welded joint or member	P	P	Table N5.4-3
	No prohibited welds have been added without the approval of the EOR	O	O	
Prior to Bolting	Manufacturer's certifications available for fastener materials	O	P	Table N5.6-1
	Fasteners marked in accordance with ASTM requirements	O	O	Table N5.6-1
	Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	O	O	Table N5.6-1
	Correct bolting procedure selected for joint detail	O	O	Table N5.6-1
	Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	O	O	Table N5.6-1
	Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	P	O	Table N5.6-1
	Proper storage provided for bolts, nuts, washers and other fastener components	O	O	Table N5.6-1
During Bolting	Fastener assemblies placed in all holes and washers and nuts are positioned as required.	O	O	Table N5.6-2
	Joint brought to the snug-tight condition prior to the pretensioning operation	O	O	Table N5.6-2
	Fastener component not turned by the wrench prevented from rotating	O	O	Table N5.6-2
	Fasteners are pretensioned in accordance with the RCSC Specification progressing systemically from the most rigid point to the free edges	O	O	Table N5.6-2
After Bolting	Document acceptance or rejection of bolted connections	P	P	Table N5.6-3
Inspection of Galvanized Structural Steel Main Members	Exposed cut surfaces of galvanized structural steel main members and exposed corners of rectangular HSS shall be visually inspected for cracks subsequent to galvanizing. Crackes shall be repaired or the member shall be rejected.	P	-	N5.7
Other Inspection Tasks - QCI	The fabricator's QCI shall inspect the fabricated steel to verify compliance with the details shown on the shop drawings, such as the proper application of joint details at each connection	P	-	N5.8
	The erector's QCI shall inspect the erected steel frame to verify compliance with the details shown on the erection drawings, such as braces, stiffeners, member locations, and proper application of joint details at each connection	P	-	N5.8
Other Inspection Tasks - QAI	The QAI shall be on the premises for inspection during the placement of anchor rods and other embedments supporting structural steel for compiance with the construction documents. As a minimum, the diameter, grade, type and length of the anchor rod or embedded item, and the extent or depth of embedment into the concrete, shall be verified prior to placement of concrete	-	P	N5.8
	Inspect the fabricated steel or erected steel frame, as applicable, to verify compliance with the details shown on the construction documents, such as braces, stiffeners, member locations, and proper application of joint details at each connection	-	P	N5.8
Welding Inspection Non-Destructive Testing (NDT)	All NDT performed shall be documented. For shop fabrication, the NDT report shall identify the tested weld by piece mark and location in the piece. For field work, the NDT report shall identify the tested weld by location in the structure, piece mark, and location in the piece. When a weld is rejected on the basis of NDT, the NDT record shall indicate the location of the defect and the basis of rejection. Where the fabricator's QC staff performs the NDT in the shop, the Special Inspector shall review the reports.	P	P	N5.5
	Test 100% of complete-joint-penetration (CJP) groove welds, multi-pass fillet welds, and single-pass fillet welds greater than 5/16"	-	P	N5.5
	Test 100% of all re-made welds	-	P	N5.5

(1) The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.
(2) When welding of doubler plates, continuity plates, or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. of the weld.
(3) After rolled heavy shapes (see Section A3.1c) and built-up heavy shapes (see Section A3.1d) are welded, visually inspect the weld access hole for cracks.

TMS602-16 TABLE 3
MINIMUM VERIFICATION REQUIREMENTS FOR MASONRY CONSTRUCTION

Minimum Verification	MINIMUM SPECIAL INSPECTION Required for Quality Assurance(a) Level 2	Reference for Criteria TMS 602
Prior to construction, verification of compliance of submittals.	R	Art. 1.5
Prior to construction, verification of f'm and f'AAC, except where specifically exempted by the Code.	R	Art. 1.4B
During Construction, verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.	R	Art. 1.5 & 1.6.3
During construction, verification of f'm and f'AACc for every 5,000 sq. ft. (465 sq. m)	NR	Art. 1.4B
During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout.	NR	Art. 1.4B

(a.) R=Required, NR=Not Required

TMS602-16 TABLE 4
MINIMUM SPECIAL INSPECTION REQUIREMENTS FOR MASONRY CONSTRUCTION

Inspection Task	MINIMUM SPECIAL INSPECTION Frequency(a.) Level 2	Reference for Criteria TMS 402	 TMS 602
1. As masonry construction begins, verify that the following are in compliance:			
a. Proportions of site-prepared mortar	P	—	Art. 2.1, 2.6 A, 2.6 C
b. Grade and size of prestressing tendons and anchorages	P	—	Art. 2.4 B, 2.4 H
c. Grade, type and size of reinfrocement, connectors, anchor bolts, and prestressing tendons and anchorages	P	—	Art. 3.4, 3.6 A
d. Prestressing technique	P	—	Art. 3.6 B
e. Properties of thin-bed mortar for AAC masonry	C(b)/P(c)	—	Art. 2.1 C.1
f. Sample panel construction	P	—	Art 1.6 D
3. Prior to grouting, verify that the following are in compliance:			
a. Grout space	P	—	Art. 3.2 D, 3.2 F
b. Placement of prestressing tendons and anchorages	P	Sec. 10.8, 10.9	Art. 2.4, 3.6
c. Placement of reinforcement, connectors, and anchor bolts	P	Sec. 6.1, 6.3.1, 6.3.6, 6.3.7	Art. 3.2 E, 3.4
d. Proportions of site-prepared grout and prestressing grout for bonded tendons	P	—	Art. 2.6 B, 2.4 G.1.b
3. Verify compliance of the following during construction:			
a. Materials and procedures with the approved submittals	P		Art 1.5
b. Placement of masonry units and mortar joint construction	P		Art 3.3 B
c. Size and location of structural members	P	—	Art. 3.3 F
d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	P	Sec. 1.2.1 (e), 6.2.1, & 6.3.1	—
e. Welding of reinforcement	C	Sec. 6.1.6.1.2	—
f. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	P	—	Art. 1.8 C, 1.8 D
g. Application and measurement of prestressing force.	C	—	Art. 3.6 B
h. Placement of grout and prestressing grout for bonded tendons is in compliance	C	—	Art. 3.5, 3.6 C
i. Placement of AAC masonry units and construction of thin-bed mortar joints	C(b)/P(c)	—	Art. 3.3 B.9, 3.3 F.1.b
4. Observe preparation of grout specimens, mortar specimens, and/or prisms	P	—	Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4

(a.) Frequency refers to the frequency of inspection, which may be continuous during the task listed or periodically during the listed task, as defined in the table. NR=Not Required, P=periodic, C=continuous

(b.) Required for the first 5000 square feet of AAC masonry
(c.) Required after the first 5000 square feet of AAC masonry

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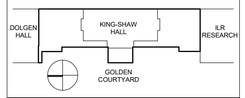
KEY PLAN



Project:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

Drawing Title:

SPECIAL INSPECTIONS - IBC 2018

PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

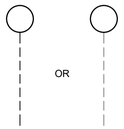
S002

STRUCTURAL ABBREVIATIONS

ABBREVIATION	WORD OR PHRASE	ABBREVIATION	WORD OR PHRASE
&	And		
@	At	JST	Joist
AB	Anchor Bolt		
ACI	American Concrete Institute	K KSI	Kips Kips per Square Inch
ADDL	Additional		
AESS	Architectural Exposed Structural Steel	LBS LGMF	Pounds Light Gauge Metal Framing
AISC	American Institute of Steel Construction	LL LLH	Live Load Long Leg Horizontal
ALT	Alternate	LLV	Long Leg Vertical
APPROX	Approximate	LONG	Longitudinal
ARCH	Architect	LP	Low Point
ASD	Allowable Strength Design	LTWT	Lightweight
ASTM	American Society for Testing and Materials	LVL	Laminated Veneer Lumber
AWPA	American Wood Preservers Assoc.	MAX MB	Maximum Machine Bolt
AWS	American Welding Society	MECH MFR	Mechanical Manufacturer
BP	Base Plate	MI	Malleable Iron
BLKG	Blocking	MIL	0.001 Inch
BM	Beam	MIN	Minimum
BN	Boundary Nail	MISC	Miscellaneous
BOT	Bottom		
BOF	Bottom of Footing	(N)	New
BRG	Bearing	NO or #	Number
BS	Both Sides	NS	Near Side
BTWN	Between	NTS NWT	Not to Scale Normal Weight
C	Camber	NIC	NOT IN CONTRACT
CC	Center to Center		
CJ	Control Joint	OC	On Center
CIP	Cast-in-place	OD	Outside Diameter
CL	Center Line	OH	Opposite Hand
CLG	Ceiling	OPNG	Opening
CLR	Clear	OPP	Opposite
CMU	Concrete Masonry Unit		
COL	Column	PAF	Powder-Actuated Fasteners
CONC	Concrete		
CONN	Connection	PART	Partial
CONST	Construction	PC	Precast Concrete
CONT	Continuous	PCF	Pounds per Cubic Foot
CJP	Complete Joint Penetration	PEN	Panel Edge Nailing
CSK	Countersink	PL	Plate
CTBR	Counterbore	PLY	Plywood
CTR	Center	PP	Partial Penetration
CW	Cast-in-Place Concrete Wall	PSF PSI PT	Pounds per Square Foot Pounds per Square Inch Pressure Treated
DBA	Deformed Bar Anchor	PW	Puddle Weld
DBL	Double	PWJ	Plywood Web Joists
DC	Demand Critical (Weld)		
DET	Detail	RA	Roof Anchor
DF	Douglas Fir	RAD	Radius
DFT	Dry Film Thickness	RD	Roof Drain
DIA, ∅	Diameter	REINF	Reinforcing
DIAG	Diagonal	REQ	Required
DL	Dead Load	RF	Roof
DN	Down	RO	Rough Opening
DO	Ditto	RND	Round
DWG	Drawing	RR	Remove & Replace
DWGS	Drawings		
		SAD	See Architectural Drawings
(E)	Existing	SCHED	Schedule
EA	Each	SER	Structural Engineer of Record
EF	Each Face		
EJ	Expansion Joint	SFRS	Seismic Force Resisting System
EL	Elevation		
EMB	Embedment	SHT	Sheet
EN	Edge Nail	SHTG	Sheathing
EOS	Edge of Slab	SIM	Similar
ESS	Edge Screw Spacing	SMD	See Mechanical Drawings
EQ	Equal	SOG	Slab on Grade
EQUIP	Equipment	SP	Southern Pine
ES	Each Side	SS	Stainless Steel
EW	Each Way	SSE	Specialty Structural Engineer
FDN	Foundation	STG	Staggered
FF	Finish Floor	STD	Standard
FG	Finish Grade	STIFF	Stiffener
FIN	Finish	STL	Steel
FLR	Floor	STRUCT	Structural
FOC	Face of Concrete	SYM	Symmetrical
FOM	Face of Masonry		
FOS	Face of Stud	T/	Top of
FRMG	Framing	T&B	Top and Bottom
FRP	Fiber Reinforced Polymer	T&G	Tongue & Groove
FS	Far Side	TN	Toe Nail
FT	Foot, Feet	TOC	Top of Concrete
FTG	Footing	TOS TOW	Top of Steel Top of Wall
GA	Gauge	TS	Tube Steel (Hollow Structural Section)
GALV	Galvanized		
GL	Grid Line	TYP	Typical
GLB	Glued Laminated Beam		
GR	Grade	UON U/S	Unless Otherwise Noted Underside
HDG	Hot-dip Galvanized		
HGR	Hanger	VERT	Vertical
HK	Hook	VIF ±	Verify in Field
HORIZ	Horizontal		
HP	High Point	W	Width
HSB	High Strength Bolt	W/	With
HSS	Hollow Structural Section	W/O	Without
HT	Height	WP	Work Point
		WHS	Welded Headed Stud
IBC	International Building Code	WTS	Welded Threaded Stud
ICC	International Code Council	WWR	Welded Wire Reinforcing
IN.	Inch, Inches	WWPA	Western Wood Products Association
INT	Interior		
INV	Inverted		

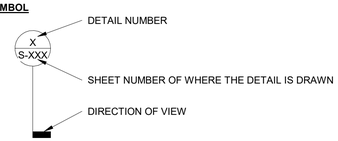
GENERAL REFERENCE SYMBOLS

GRID TYPES

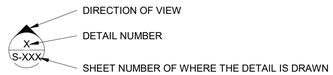


LEVEL LINE

SECTION SYMBOL



ELEVATION SYMBOL



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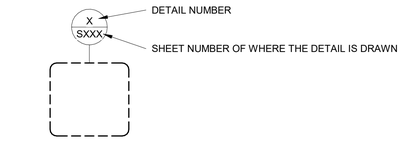
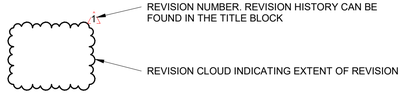
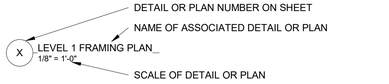


NORTH ARROW REFERENCE

REVISION SCOPE AND NUMBER

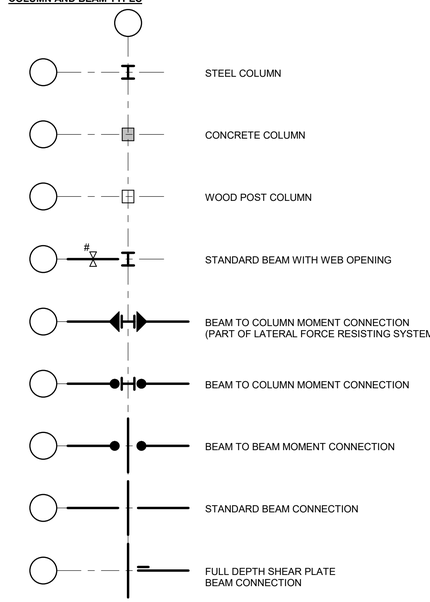


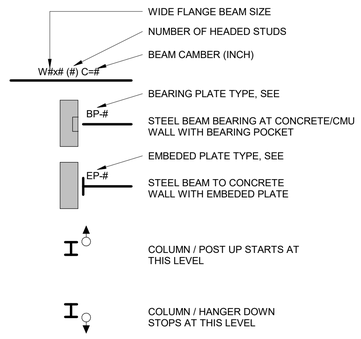
STANDARD TITLE SYMBOL



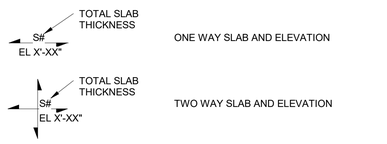
STRUCTURAL FRAMING TAGS AND SYMBOLS

COLUMN AND BEAM TYPES





SLAB AND DECK TAGS AND SYMBOLS



SOG#	SLAB-ON-GRADE MARK
S#	SLAB OR COMPOSITE DECK MARK
R#	ROOF DECK MARK
G#	GRATING MARK

COLOR LINE STYLES

MATCHLINE SEE X/SXXX

EXPANSION JOINT SEE PLAN

(E) STEEL BEAM STRENGTHENING

MEP EQUIPMENT / PIPING

MATERIAL HATCH PATTERN

	NEW CAST IN PLACE CONCRETE		GRANULAR FILL
	EXISTING CAST IN PLACE CONCRETE		COMPACTED FILL OR UNDISTURBED SOIL
	CMU		WOOD
	STEEL		BRICK
	ROOF DECK STEEL (PLAN VIEW)		GRATING

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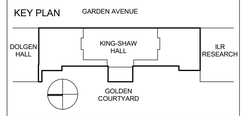
KEY PLAN



Project:

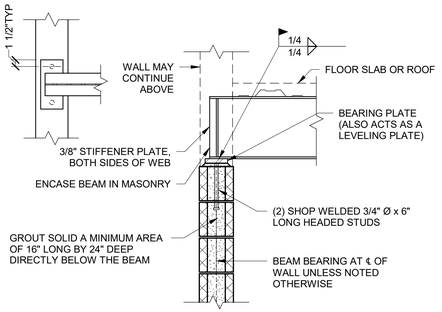
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

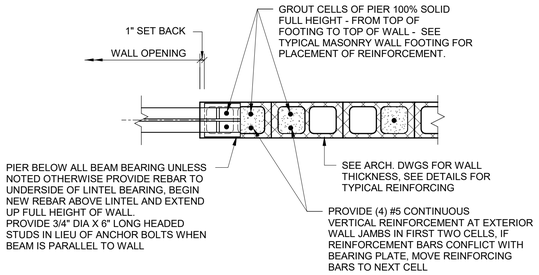
Drawing Title:

ABBREVIATIONS AND SYMBOLS

PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

S003





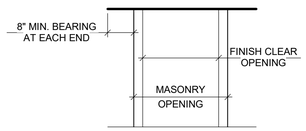
BEAM BEARING PLATE SCHEDULE			
MARK	DIMENSION PERPENDICULAR TO BEAM	DIMENSION PARALLEL TO BEAM	THICKNESS
BB-1	11"	6"	3/4"

1 BEAM BEARING AT (N) CMU DETAIL

3/4" = 1'-0"

ANGLE AND TEE LINTEL INSTALLATION PROCEDURE:

1. SHORE EXISTING ROOF OR FLOOR FRAMING AS NECESSARY.
2. REMOVE MASONRY ON INSIDE FACE OF WALL FOR HALF THE THICKNESS OF THE WALL, ONLY TO THE EXTENT NECESSARY TO INSTALL THE NEW LINTEL STEEL. PROVIDE FOR A FULL 8 INCHES OF BEARING AT EACH END.
3. FOR EXISTING BLOCK MASONRY CONSTRUCTION, SOLIDLY GROUT TWO COURSES DEEP AT END BEARINGS.
4. FOR A GIVEN MASONRY OPENING DIMENSION, PROVIDE EITHER ONE ANGLE FOR EACH 4 INCHES OF WALL THICKNESS OR 1 TEE FOR EACH 6 INCHES OF WALL THICKNESS, SIZED IN ACCORDANCE WITH THE LINTEL SCHEDULE.
5. REBUILD WALL OVER LINTELS WITH SOLID MASONRY CONSTRUCTION. WHERE DIRECTED BY THE ARCHITECT, PROVIDE MASONRY TO MATCH EXISTING.
6. SHIM WITH BRICK OR STEEL UNDERSIDE OF LINTELS TO MASONRY BELOW. DRY PACK SUCH THAT LOAD FROM WALL ABOVE IS TRANSFERRED TO THE WALL.
7. REPEAT PROCEDURE DESCRIBED IN LINES 2, 3, 4, AND 5 ON THE OUTSIDE FACE OF THE WALL.
8. REMOVE WALL BELOW.



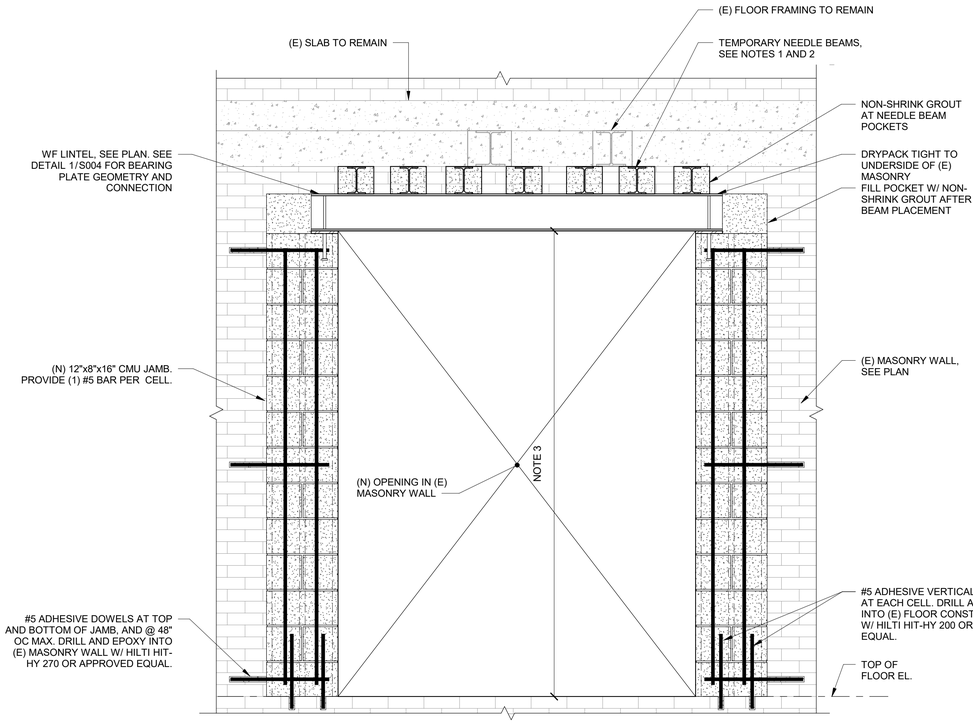
ELEVATION

LINTEL SCHEDULE	
MASONRY OPENING	LINTEL SIZE
UP TO 3'-0"	L3 1/2x3 1/2x5/16 OR WT5x11
3'-1" TO 4'-6"	L4x3 1/2x5/16 LLV OR WT5x13
4'-7" TO 6'-0"	L5x3 1/2x5/16 LLV OR WT5x15
OVER 6'-1"	SEE NEEDLE SHORING DETAIL

DETAIL

3 NEW OPENING WT LINTEL IN (E) MASONRY WALLS

3/4" = 1'-0"

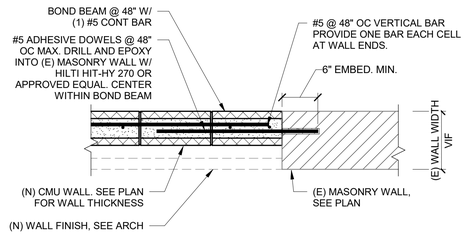


NOTES:

1. SHORING SCHEME SHOWN ON THIS DETAIL IS CONCEPTUAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DESIGN AND ERECTION OF TEMPORARY SHORING FOR EXISTING WALL PRIOR TO REMOVAL OF MASONRY AT WALL OPENING BELOW. TO SUBMIT SIGNED AND SEALED TEMPORARY SHORING DRAWINGS AND CALCULATIONS FOR EOR REVIEW.
2. REMOVE NEEDLE BEAMS AFTER LINTEL IS INSTALLED, INSPECTED AND APPROVED. GROUT POCKET SOLID.
3. SEE ELEVATIONS AND ARCHITECTURAL DRAWINGS FOR ROUGH OPENING DIMENSIONS.
4. SEE GENERAL NOTES FOR CLAY MASONRY RECONSTRUCTION. NOTIFY ENGINEER OF PROPOSED CHANGES TO ROUGH OPENING DIMENSIONS SHOWN ON ELEVATIONS AND ARCHITECTURAL DRAWINGS.

4 NEW OPENING IN EXISTING MASONRY WALL

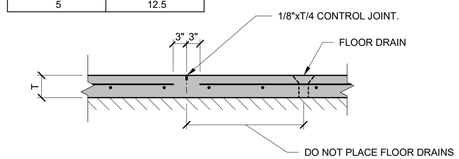
3/4" = 1'-0"



2 (N) CMU CONNECTION TO (E) MASONRY WALL

3/4" = 1'-0"

SLAB THICKNESS T (IN)	MAX. JOINT SPACING (FT)
5	12.5

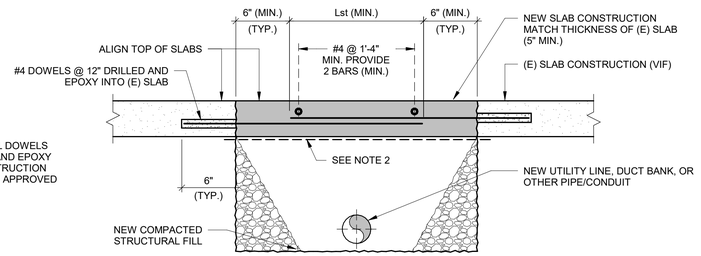


NOTES:

1. SAW CUT JOINT WITH EARLY ENTRY SAW AFTER FINISHING SLAB (AS SOON AS CONCRETE CAN SUPPORT EQUIPMENT - 4 TO 8 HOURS MAX). EXTEND JOINT CUTS BY HAND TOOL WHERE VERTICAL SURFACES OBSTRUCT SAW CUTTING.
2. DETAIL REINFORCEMENT TO STOP AT JOINTS AS INDICATED.
3. LOCATE CONTROL JOINTS ON A RECTANGULAR GRID. DO NOT EXCEED ASPECT RATIO OF 1.25. RE-ENTRANT CORNERS ARE DISCOURAGED. WHERE UNAVOIDABLE, PROVIDE CORNER BARS PER "RE-ENTRANT CORNER BAR" DETAIL.
4. SUBMIT LAYOUT OF CONTROL JOINTS FOR APPROVAL UNLESS JOINT LOCATIONS ARE OTHERWISE SPECIFIED.
5. SEE PLANS, GENERAL NOTES, AND/OR SPECIFICATIONS FOR JOINT FILLER AND SEALANT REQUIREMENTS. ADJUST JOINT WIDTH ACCORDINGLY.
6. ▨ INDICATES SUBGRADE, REFERENCE "SLAB ON GRADE DETAIL" FOR INFORMATION.

5 SLAB ON GRADE CONTROL JOINT

3/4" = 1'-0"



NOTES:

1. CONTRACTOR TO COORDINATE LIMITS WITH ALL OTHER TRADES AND SUBMIT CUTTING PLAN PRIOR TO PROCEEDING WITH THE WORK.
2. REPLACE EXISTING VAPOR BARRIER AND ADHERE TO REMAINING VAPOR BARRIER ON ALL SIDES. REFER TO PROJECT SPECIFICATIONS.
3. PROVIDE THIS DETAIL WHERE SHOWN ON PLAN AND AT ALL CUTS IN EXISTING SLAB ON GRADE FOR, BUT NOT LIMITED TO, BELOW GRADE PIPING, DUCT BANKS, CONDUITS, OTHER SUBGRADE WORK, ETC.
4. DO NOT CUT ANY EXISTING FOOTING OR EXCAVATE BELOW ANY EXISTING FOOTING.

6 REPLACEMENT SLAB AT (E) SLAB-ON-GRAD

1 1/2" = 1'-0"

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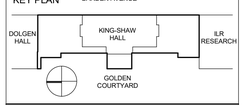
KEY PLAN



Project:

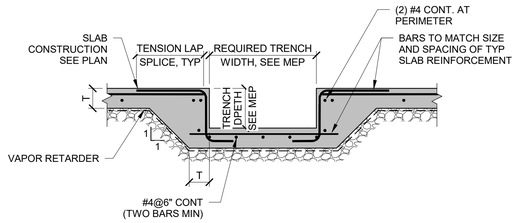
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

Drawing Title:

TYPICAL DETAILS

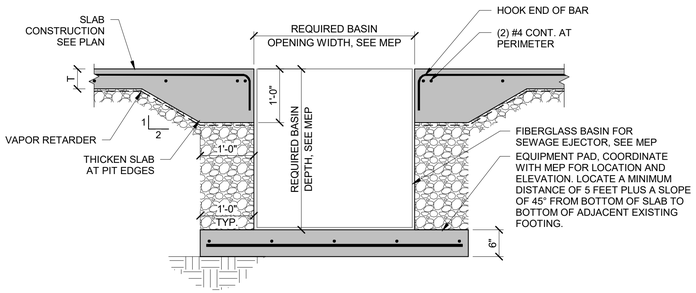
PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

S004



2 SECTION: GREASE INTERCEPTOR

3/4" = 1'-0"

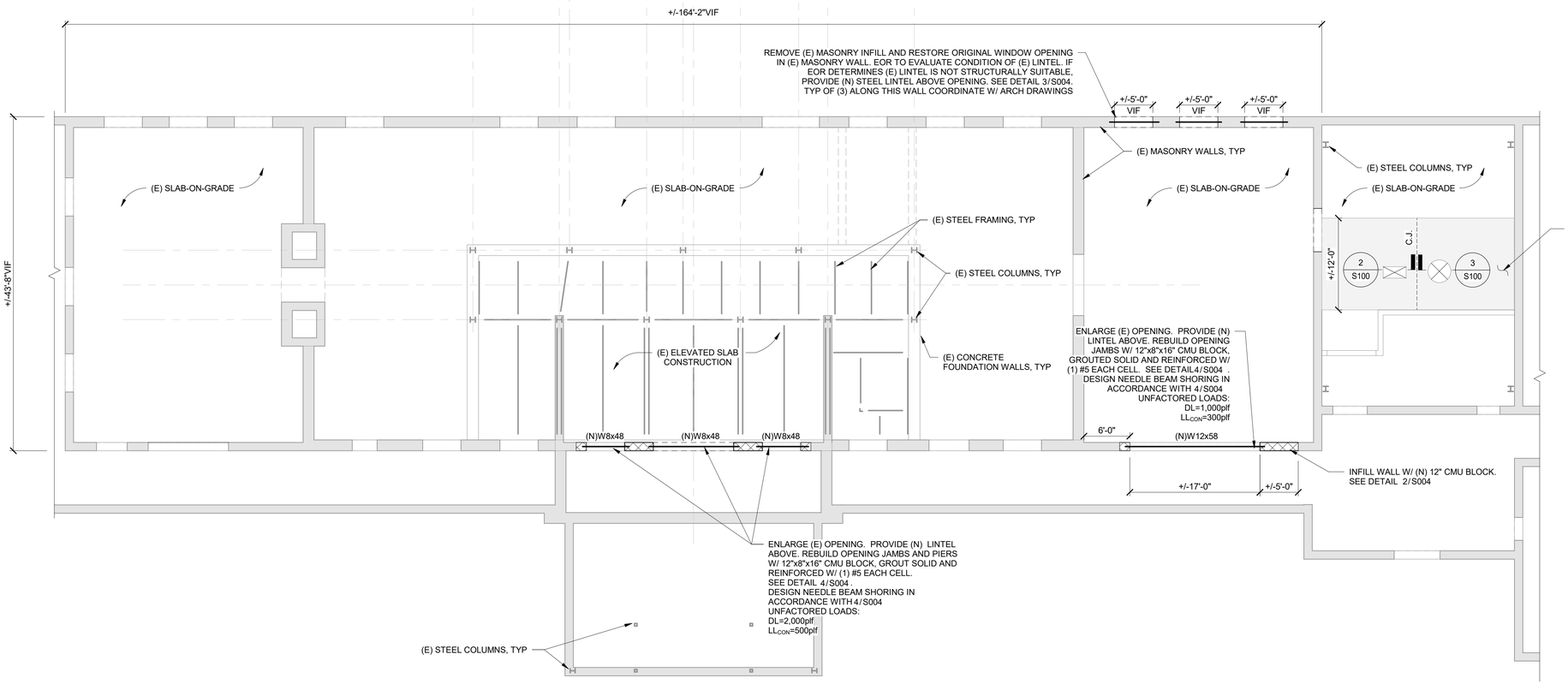


3 SECTION: SEWAGE EJECTOR PIT

3/4" = 1'-0"

EXISTING BUILDING PLAN NOTES:

1. THE INFORMATION SHOWN ON THESE DOCUMENTS IS THE BEST REPRESENTATION OF EXISTING CONDITIONS AVAILABLE TO THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND BRING TO THE ENGINEER'S AND CONSTRUCTION MANAGER'S ATTENTION ANY DISCREPANCIES PRIOR TO COMMENCING WORK. UPON RECEIPT OF SHOP DRAWINGS, THE ENGINEER HAS THE RIGHT TO ASSUME THAT ALL FIELD DIMENSIONS, ELEVATIONS, AND CONDITIONS HAVE BEEN VERIFIED BY THE CONTRACTOR AND THAT THE SHOP DRAWINGS ACCURATELY REFLECT SUCH VERIFICATIONS UNLESS STATED OTHERWISE IN THE SHOP DRAWINGS.
2. SEE ARCHITECTURAL PLANS FOR TOP OF EXISTING FINISHED FLOOR ELEVATION, AND OPENING SIZES AND LOCATIONS. CONTRACTOR TO FIELD VERIFY ELEVATIONS.
3. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL PLANS FOR DIMENSIONS NOT INDICATED ON STRUCTURAL DRAWINGS.
4. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.



1 SECOND FLOOR FRAMING PLAN

1/8" = 1'-0"

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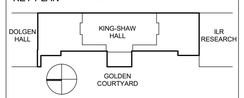
KEY PLAN



Project:

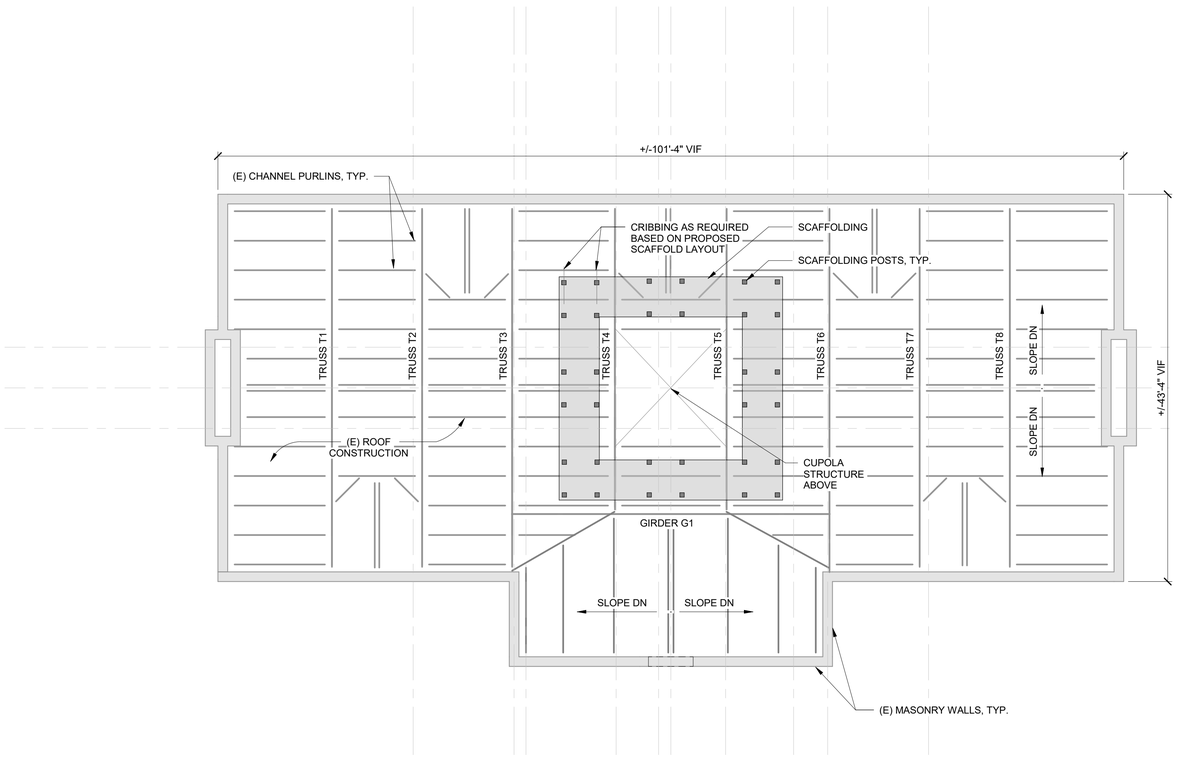
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

Drawing Title:

SECOND FLOOR FRAMING PLAN

PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

S100



1 ROOF FRAMING PLAN
1/8" = 1'-0"

EXISTING BUILDING PLAN NOTES:

1. THE INFORMATION SHOWN ON THESE DOCUMENTS IS THE BEST REPRESENTATION OF EXISTING CONDITIONS AVAILABLE TO THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND BRING TO THE ENGINEER'S AND CONSTRUCTION MANAGER'S ATTENTION ANY DISCREPANCIES PRIOR TO COMMENCING WORK. UPON RECEIPT OF SHOP DRAWINGS, THE ENGINEER HAS THE RIGHT TO ASSUME THAT ALL FIELD DIMENSIONS, ELEVATIONS, AND CONDITIONS HAVE BEEN VERIFIED BY THE CONTRACTOR AND THAT THE SHOP DRAWINGS ACCURATELY REFLECT SUCH VERIFICATIONS UNLESS STATED OTHERWISE IN THE SHOP DRAWINGS.
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3. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL PLANS FOR DIMENSIONS NOT INDICATED ON STRUCTURAL DRAWINGS.
4. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.

SCAFFOLDING NOTES:

1. DESIGN ASSUMES SINGLE STORY OF SCAFFOLDING WITH 8PSF DEAD LOAD (INCLUDING SELFWEIGHT) AND 25 PSF CONSTRUCTION LIVE LOAD.
2. INDICATES ANTICIPATED AREA OF SCAFFOLD POST BEARING LOCATIONS. THE DESIGN ANTICIPATES THE FOLLOWING LOADS SPACED AT 3.5FT MAX:
   DL= 155lbs
   LL_{CON}=380lbs
   $4.0LL_{CON}$(OSHA) = 1520lbs
   SUBMIT FINAL SCAFFOLD DESIGN REACTIONS TO EOR.
3. LOCATE (E) ROOF FRAMING MEMBERS WITHIN ROOF STRUCTURE PRIOR TO SCAFFOLD INSTALLATION. BEAR SCAFFOLD POSTS DIRECTLY OVER FRAMING MEMBERS. PROVIDE TIMBER CRIBBING TO SPAN WHERE POSTS DO NOT LAND ON (E) FRAMING.
4. BASE BUILDING ENGINEER OF RECORD TO REVIEW THE FINAL PROPOSED SCAFFOLD CONFIGURATION AND REACTIONS ON THE BASE BUILDING STRUCTURE PRIOR TO INSTALLATION.

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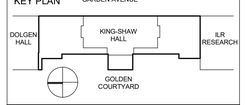

Project:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

Drawing Title:

ROOF SCAFFOLD LOADING PLAN

PROJECT No: **240400.00**	DATE: **01/31/2025**
PHASE: **100% CD**	SCALE: **As Indicated**

S101

CONTROLS SCHEMATIC SYMBOL LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
BI	BINARY INPUT (GENERAL)		SINGLE POINT SENSOR
BO	BINARY OUTPUT (GENERAL)	CT	CURRENT TRANSDUCER
AI	ANALOG INPUT (GENERAL)	I/P	ELECTRIC/PNEUMATIC TRANSDUCER
AO	ANALOG OUTPUT (GENERAL)	I/E	ELECTRONIC/ELECTRIC TRANSDUCER
	BINARY POINT		ELECTRICAL INTERFACE
	ANALOG POINT	S/S	START/STOP
BV	BINARY VALUE	O/C	OPEN/CLOSE
BI	BINARY INPUT	E/D	ENABLE/DISABLE
BO	BINARY OUTPUT		HARD WIRE INTERFACE
AV	ANALOG VALUE		PNEUMATIC CONTROL VALVE (3-WAY)
AI	ANALOG INPUT		PNEUMATIC CONTROL VALVE (2-WAY)
AO	ANALOG OUTPUT	E	ELECTRIC/ELECTRONIC CONTROL VALVE (3-WAY)
	THERMOWELL	E	ELECTRIC/ELECTRONIC CONTROL VALVE (2-WAY)
A	ALARM	S	SOLENOID VALVE
E	ELECTRIC ACTUATOR		THERMOSTATIC EXPANSION VALVE
FZ	FREEZE-STAT		AUTOMATIC AIR DAMPER (PARALLEL BLADE)
H	HUMIDIFIER		AUTOMATIC AIR DAMPER (OPPOSED BLADE)
	HUMIDIFIER DISPERSION GRID		BUTTERFLY CONTROL DAMPER
R	RELAY		PNEUMATIC ACTUATOR
S	STATUS	A	MAIN TEMPERATURE CONTROL AIR SOURCE
M	FLOW METER	EA	EXHAUST AIR
M	MOTOR	OA	OUTSIDE AIR
BTU	BTU ENERGY METER	RA	RETURN AIR
	AIR FLOW MEASURING STATION	SA	SUPPLY AIR
	AVERAGING SENSOR	F.L.	FAIL LAST
H	HUMIDITY SENSOR (DUCT MOUNTED)	F.O.	FAIL OPEN
T	TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)	SF	SUPPLY FAN
CO_2	CARBON DIOXIDE SENSOR (DUCT MOUNTED)	SC	SMOKE CONTROL FAN
CO	CARBON MONOXIDE SENSOR (DUCT MOUNTED)	RF	RETURN AIR FAN
SA S	SPACE SENSOR WITH SETPOINT ADJUSTMENT	EF	EXHAUST AIR FAN
OV S	SPACE SENSOR WITH OCCUPANCY OVERRIDE		FILTER BANK
D S	SPACE SENSOR WITH VISUAL DISPLAY		BASE MOUNTED PUMP
F S	SPACE SENSOR WITH FAN ON/OFF SWITCH		IN LINE PUMP
SA T	ROOM TEMPERATURE SENSOR WITH SETPOINT ADJUSTMENT	ASD	ADJUSTABLE SPEED DRIVE
OV T	ROOM TEMPERATURE SENSOR WITH OCCUPANCY OVERRIDE	VFD	VARIABLE FREQUENCY DRIVE
D T	ROOM TEMPERATURE SENSOR WITH VISUAL DISPLAY	C/C	COOLING COIL
F T	ROOM TEMPERATURE SENSOR WITH FAN ON/OFF SWITCH	H/C	HEATING COIL
OS	OCCUPANCY SENSOR	HR/C	HEAT RECOVERY COIL
M	MOISTURE SENSOR	G/B	GAS BURNER
	PROBE SENSOR	R134a	REFRIGERANT R134a SENSOR (WALL MOUNTED)
FS	FLOW SENSOR	HI	HIGH LEVEL SWITCH
F	FLOW SWITCH	LOW	LOW LEVEL SWITCH
ES	END SWITCH		VENTURI AIRFLOW CONTROL VALVE
S M	MANUAL SWITCH		TRANSFORMER
P	PRESSURE SWITCH	MS	MOTOR STARTER
ΔP	DIFFERENTIAL STATIC PRESSURE SWITCH	RD	ROTATION DETECTOR
P	DIFFERENTIAL STATIC PRESSURE TRANSMITTER	SD	SMOKE DETECTOR
E/P	ELECTRIC/PNEUMATIC SWITCH OR RELAY	CS	CURRENT SENSOR
P/E	PNEUMATIC/ELECTRIC SWITCH OR RELAY	MOD	MODULATING
F	FLOW TRANSMITTER	SC	SPEED COMMAND
P	PRESSURE TRANSMITTER	AOM	ADDRESSABLE OUTPUT MODULE (FIRE ALARM INTERFACE)
DP	DEWPOINT SENSOR (DUCT MOUNTED)	COM	NETWORK COMMUNICATION INTERFACE POINT
SP	STATIC PRESSURE SENSOR (DUCT MOUNTED)	T	LIQUID IMMERSION TEMPERATURE SENSOR
C	CONDENSATE SENSOR	RH	RELATIVE HUMIDITY SENSOR
SIGNAL IN / AIR IN / SIGNAL OUT	ELECTRIC TO PNEUMATIC TRANSDUCER	FZ	LOW LIMIT TEMPERATURE SWITCH
SIGNAL IN / SIGNAL OUT	ELECTRIC TO PNEUMATIC SWITCH		

HVAC SYMBOL LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING WORK TO BE REMOVED	A	COMPRESSED AIR
	POINT OF CONNECTION	V	VENT
	POINT OF DISCONNECTION	BBD	BOILER BLOW DOWN
X	DRAWING KEYNOTE	CS	CONDENSER WATER SUPPLY
X	DEMOLITION KEYNOTE	CR	CONDENSER WATER RETURN
MBH	THOUSAND BTU/HOUR	CHWS	CHILLED WATER SUPPLY
NTS	NOT TO SCALE	CHWR	CHILLED WATER RETURN
(E)	EXISTING	D	DRAIN
(L)	ACOUSTIC THERMAL LINING - 1-1/2" THICK	FOF	FUEL OIL FILL
(2L)	ACOUSTIC THERMAL LINING - 2" THICK	FOG	FUEL OIL GAUGE
(DBL)	DOUBLE WALL LINED DUCT	FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE	FOR	FUEL OIL RETURN
CFM	CUBIC FEET PER MINUTE	FOV	FUEL OIL TANK VENT
AFF	ABOVE FINISHED FLOOR	G	GAS
AD	ACCESS DOOR	GHWS	GLYCOL SUPPLY
W/W	WALL TO WALL	GHWR	GLYCOL RETURN
G.C.	GENERAL CONTRACTOR	HPWS	HEAT PUMP WATER SUPPLY
M.C.	MECHANICAL CONTRACTOR	HPWR	HEAT PUMP WATER RETURN
P.C.	PLUMBING CONTRACTOR	HWS	HOT WATER SUPPLY
E.C.	ELECTRICAL CONTRACTOR	HWR	HOT WATER RETURN
N.O.	NORMALLY OPEN	LPS	LOW PRESSURE STEAM
N.C.	NORMALLY CLOSED	LPC	LOW PRESSURE CONDENSATE
	FLEXIBLE DUCTWORK	MPS	MEDIUM PRESSURE STEAM
AxB FO	DUCT SECTION - FLAT OVAL (FO)	MPC	MEDIUM PRESSURE CONDENSATE
12"	ROUND DUCT - IN INCHES	HPS	HIGH PRESSURE STEAM
	DUCT SECTION - SUPPLY	HPC	HIGH PRESSURE CONDENSATE
	DUCT SECTION - RETURN	PC	PUMPED CONDENSATE
A / B	WIDTH A x DEPTH B	RD	REFRIGERANT DISCHARGE
	TRANSITION SQUARE TO ROUND	RL	REFRIGERANT LIQUID
R	RISE IN DUCT - IN DIRECTION OF AIRFLOW	RS	REFRIGERANT SUCTION
D	DROP IN DUCT - IN DIRECTION OF AIRFLOW	HG	HOT GAS
DN 24x12 UP	SUPPLY DUCT TURNING UP OR DOWN	VAC	VACUUM
DN 24x12 UP	RETURN DUCT TURNING UP OR DOWN	CW	DOMESTIC COLD WATER
24x12 / 6" BOOT TAP / 14x8	SUPPLY/RETURN RECTANGULAR MAIN RECTANGULAR BRANCH	TD	TRIPLE DUTY VALVE
24x12 / 6" BOOT TAP / 14"	SUPPLY/RETURN RECTANGULAR MAIN ROUND BRANCH		GLOBE VALVE
45° / CONICAL TEE / 14"	SUPPLY/RETURN ROUND MAIN ROUND BRANCH		BALL VALVE
45° / LATERAL / 14"			GATE VALVE
	MITERED ELBOW WITH TURNING VANES		CONTROL VALVE
	SUPPLY DIFFUSER, REGISTER OR GRILLE		THREE WAY CONTROL VALVE
	RETURN REGISTER		CHECK VALVE
	EXHAUST GRILLE		BALANCING VALVE
	FIN TUBE RADIATION		BUTTERFLY VALVE
	VALANCE		RELIEF VALVE
A / B / C	REGISTER, GRILLE OR DIFFUSER TAG A = TYPE B = NECK SIZE C = CFM	PRV	PRESSURE REDUCING VALVE
A / B / C / D	LINEAR DIFFUSER TAG A = TYPE B = NECK SIZE C = DIFFUSER LENGTH D = CFM		PRESSURE/TEMPERATURE TEST PLUG
FT-A / B / C / D	FIN TUBE RADIATION TAG FT-A = TYPE B = FIN TUBE LENGTH C = ENCLOSURE LENGTH D = GPM		SINGLE LINE PIPE CONTINUED
A / B / C	RADIANT CEILING PANEL TAG A = TYPE B = LENGTH C = GPM		DOUBLE LINE PIPE OR ROUND DUCT CONTINUED
A / B / C / D	VALANCE TAG A = TYPE B = COIL SIZE C = COOLING GPM D = HEATING GPM		DOUBLE LINE RECTANGULAR DUCT CONTINUED
	AIR TERMINAL UNIT AND TAG (OPTION 1)		AIR FLOW
A / B / C	AIR TERMINAL UNIT TAG (OPTION 2) A = UNIT NO. B = MAXIMUM CFM C = MINIMUM CFM		PIPE ANCHOR
			PIPE GUIDE
			EXPANSION COMPENSATOR WITH GUIDES
			PRE-FAB EXPANSION LOOP
			STRAINER
			PRESSURE GAUGE
			THERMOMETER
			UNION
		V	AIR VENT
		TT	THERMOSTATIC TRAP
		FT	FLOAT & THERMOSTATIC TRAP
		TD	THERMODYNAMIC TRAP
		BT	BUCKET TRAP
			DIRECTION OF FLOW
			REDUCER
			CAP OR PLUG
			ELBOW DOWN
			ELBOW UP
			BOTTOM TAP
		AAD	AUTOMATIC AIR DAMPER
		FD	FIRE DAMPER
		SD	SMOKE DAMPER
		FSD	COMBINATION FIRE/SMOKE DAMPER
		BDD	BACK DRAFT DAMPER
		FC	FLEX CONNECTOR - DUCTWORK
		MD	MOTORIZED DAMPER
		BG	BLAST GATE
			VOLUME DAMPER
		SD	SUCTION DIFFUSER
			FLEXIBLE CONNECTOR - PIPING
			DRAIN VALVE WITH HOSE CONNECTION, CAP AND CHAIN
		FS	WATER FLOW SENSOR
		TS	WATER TEMPERATURE SENSOR
		SP	STATIC PRESSURE SENSOR
		H	HUMIDISTAT
		S	TEMPERATURE SENSOR
		C	CARBON DIOXIDE SENSOR
		CO	CARBON MONOXIDE SENSOR
		N	NITROGEN DIOXIDE SENSOR
		G	GAS SENSOR
		T E	PNEUMATIC/ELECTRIC THERMOSTAT
		T G S G	THERMOSTAT/SENSOR WITH GUARD
		DSD	DUCT SMOKE DETECTOR

GENERAL NOTES:

A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF ALL DEMOLITION DEBRIS AND MATERIALS OFF SITE IN A PROPER LEGAL MANNER.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL SHUTDOWNS OF AIR HANDLING, CHILLED WATER, HOT WATER, STEAM, ETC. SYSTEMS WITH CORNELL UNIVERSITY FACILITY PERSONNEL FOR TIE-IN CONNECTIONS. THE CONTRACTOR SHALL ASSIST THE UNIVERSITY PERSONNEL IN SHUTTING DOWN, DRAINING, VENTING, ETC. OF SYSTEM TO FACILITATE THE INTENDED WORK.

C. DAMAGE TO EXISTING SYSTEMS (EQUIPMENT, PIPING, DUCTWORK, CONTROLS AND ACCESSORIES) SHOWN TO REMAIN AS A RESULT OF THE CONTRACTORS WORK IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE WITH SIMILAR OR LIKE MATERIALS AT NO ADDITIONAL COST TO THE OWNER.

D. THE DEMOLITION DRAWINGS SHOWN IN GENERAL MAJOR EQUIPMENT, PIPING AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROLWIRING, CONDUIT, AND CONTROL PNEUMATIC TUBING AND ACCESORIES TO BE DISCONNECTED AND REMOVED BUT IS THE REQUIREMENTS UNDER THIS CONTRACT. NO EQUIPMENT, PIPING OR DUCTWORK SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

E. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTORS FAILURE TO VERIFY EXISTING CONDITIONS AND DIMENSIONS.

F. THE OWNER OCCUPIED AREAS INCLUDE SENSITIVE EQUIPMENT AND RESEARCH WHICH MUST NOT BE INTERRUPTED OR OTHERWISE DISTRUPTED WITHOUT PRIOR NOTICE AND APPROPRIATE PLANNING.

G. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

H. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND ALL DIMENSIONS BEFORE FABRICATION.

I. ALL MATERIAL AND EQUIPMENT SHALL BE NEW.

J. INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTION AND LOCAL, STATE, AND NATIONAL CODES.

K. MECHANICAL CONTRACTOR SHALL PROVIDE ALL PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS NECESSARY FOR INSTALLATION OF MECHANICAL SYSTEMS. DO NOT DRILL, CORE OR CUT ANY PORTION OF COLUMNS, BEAMS, JOISTS OR BRIDGING RIBS.

L. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL AIR VENTS OR DRAINS FOR THE INSTALLATION OF THE PIPING SYSTEMS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AIR VENTS AT ALL SYSTEM HIGH POINTS AND AT AREAS WITHIN THE PIPING SYSTEMS THAT COULD ACCUMULATE OR TRAP AIR PREVENTING PROPER OPERATION OF THE SYSTEMS. DRAINS SHALL BE PROVIDED AT ALL LOW POINTS WITHIN THE PIPING SYSTEMS TO FACILITATE DRAINING OF THE SYSTEM COMPLETELY.

M. THE DUCTWORK SIZES AND TYPES (ROUND, FLAT OVAL AND RECTANGULAR) WERE SELECTED FOR WITHIN THE BUILDING. IN ADDITION, THE DUCTWORK SIZES AND TYPES WERE CHOSEN TO ALLOW SPACE ABOVE THE CEILINGS FOR FUTURE DUCTWORK, PIPING AND/OR CONDUIT. IT IS NOT ACCEPTABLE FOR THE CONTRACTOR TO CHANGE THE SIZE OR TYPE OF DUCTWORK FOR BIDDING OR INSTALLATION UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.

N. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE LOCATIONS OF ALL ROOM TEMPERATURE SENSORS WITH THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL SCHEDULE A WALK THROUGH WITH THE ARCHITECT/ENGINEER TO LOCATE SENSOR LOCATIONS PRIOR TO INSTALLATION. THE TEMPERATURE SENSORS SHALL BE INSTALLED IN ALIGNMENT WITH ELECTRICAL, FIRE, AND OTHER DEVICES WHEN LOCATED ON COMMON WALLS. THE MOUNTING HEIGHT FOR ALL TEMPERATURE SENSORS SHALL BE 3'-10" TO CENTERLINE OF DEVICE.

O. ALL PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, DUCTWORK, PIPING, ETC. ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE FIRE/SMOKE STOPPED. ALL PENETRATIONS THROUGH NON RATED WALLS SHALL BE SEALED WITH A NON-HARDENING SEALANT ON BOTH SIDES OF WALL PENETRATION TO REDUCE NOISE TRANSMISSION.

P. THE CONTRACTOR SHALL PROVIDE MINIMUM 16x16 ACCESS DOORS WITHIN GYPSUM CEILINGS, GYPSUM WALLS AND MASONRY WALLS AT FIRE DAMPERS, SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS TO ALLOW FULL ACCESS TO DUCTWORK MOUNTED ACCESS DOORS FOR SERVICING THE DAMPERS. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR CEILING AND WALL CONSTRUCTION TYPES AND RATING REQUIREMENTS FOR SELECTION OF ACCESS DOOR TYPES. REFER TO SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS. AT SMOKE DAMPER AND COMBINATION FIRE/SMOKE DAMPER INSTALLATIONS, THE CONTRACTOR SHALL PROVIDE A MINIMUM 16x16 ACCESS DOOR AT THE DUCT MOUNTED SMOKE DETECTORS.

Q. REFER TO ARCHITECTURAL PLANS FOR PHASING AND AREAS WITH AFTER HOURS WORK REQUIREMENTS.

R. PROVIDE A VOLUME DAMPER AT EACH DIFFUSER AND GRILLE FOR PROPER BALANCING REGARDLESS IF SHOWN ON DRAWINGS. ALL VOLUME DAMPERS SHALL BE INSTALLED AT THE MAIN BRANCH TAKEOFF WITH A MINIMUM OF 6'-0" FROM DIFFUSER OR GRILLE CONNECTION. IF FLEXIBLE DUCTWORK IS UTILIZED FOR FINAL CONNECTION AT GRILLES, THE CROSS SECTIONAL AREA OF THE FLEXIBLE DUCTWORK SHALL NOT BE LESS THAN THE CROSS SECTIONAL AREA OF THE GRILLE NECK. REFER TO DRAWING DETAILS FOR FURTHER REQUIREMENTS.

S. PROVIDE A MINIMUM OF THREE DUCTWORK DIAMETERS OF STRAIGHT DUCT UPSTREAM OF ALL AIR TERMINAL UNITS FOR PROPER FLOW MEASURING AT FLOW SENSOR. A MINIMUM OF 1'-6" SHALL BE PROVIDED IN FRONT OF CONTROL ACCESS ENCLOSURES AT ALL TERMINAL UNITS. NO PIPING OR CONDUIT SHALL BE DIRECTLY INSTALLED BELOW AIR TERMINAL UNIT ACCESS ENCLOSURES THAT WILL PROHIBIT ACCESS UP TO THE CONTROL ENCLOSURE. COORDINATE THESE REQUIREMENTS WITH ALL OTHER TRADES ON THE PROJECT. IF PROPER SERVICE ACCESS IS NOT MAINTAINED BECAUSE OF POOR COORDINATION, THE CONTRACTOR SHALL RELOCATE OBSTRUCTIONS AT NO ADDITIONAL COST.

CORNELL UNIVERSITY FOUNDED A.D. 1865

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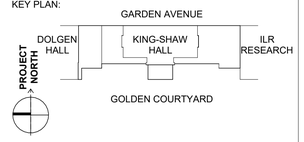
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

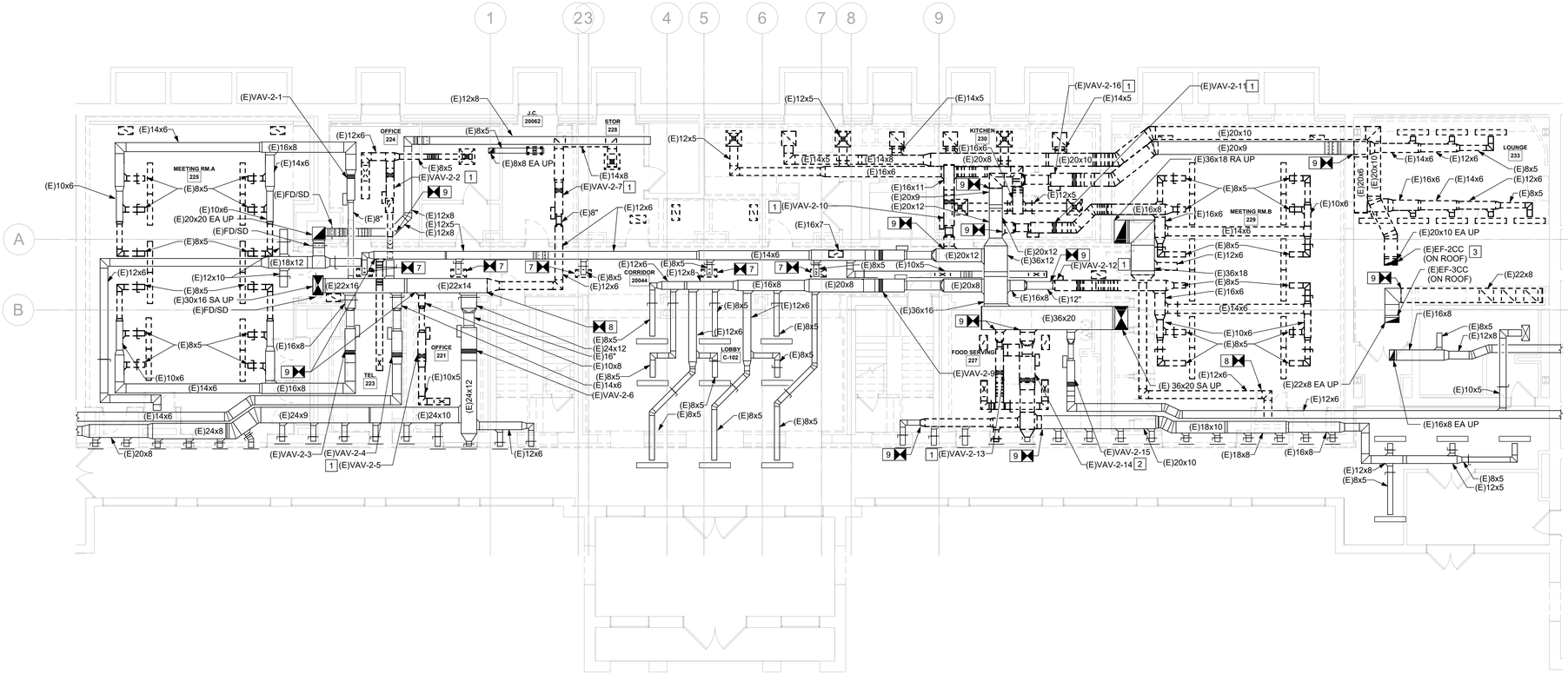
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

GENERAL NOTES AND SYMBOLS LISTS - HVAC

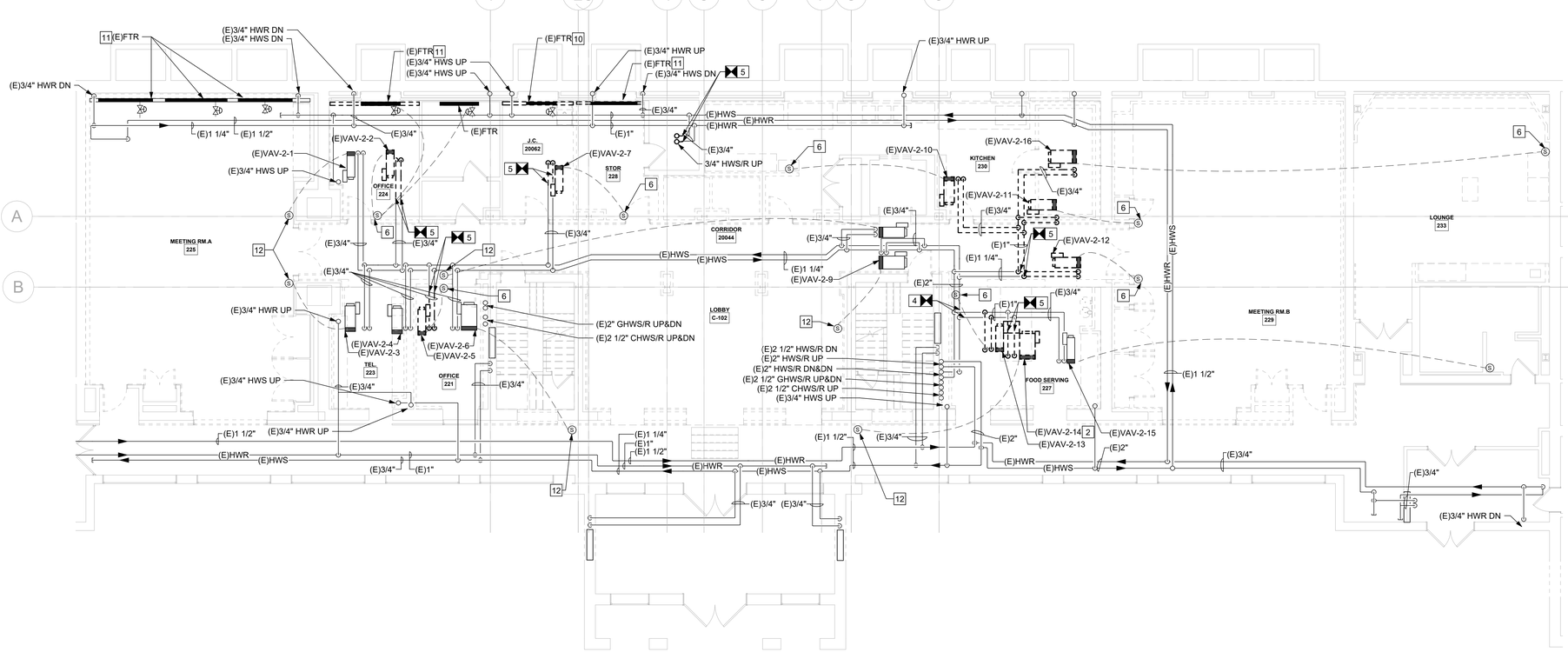
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

M-000



1 SECOND FLOOR PLAN - DUCTWORK DEMOLITION

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



2 SECOND FLOOR PLAN - PIPING DEMOLITION

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

X DEMOLITION NOTES:

1 DISCONNECT AND REMOVE THE AIR TERMINAL UNIT TO ACCOMMODATE THE RENOVATION. THE EXISTING ZN CONTROLLER AND ACCESSORIES, AND HOT WATER CONTROL VALVE SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.

2 DISCONNECT THE EXISTING VARIABLE VOLUME AIR TERMINAL UNIT AND ASSOCIATED CONTROLS IN PREPARATION FOR RELOCATION TO ACCOMMODATE THE RENOVATION. THE EXISTING AIR TERMINAL UNIT, ZN CONTROLLER, CONTROL ACCESSORIES AND HOT WATER CONTROL SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.

3 DISCONNECT AND REMOVE EXISTING DUCTWORK AND ASSOCIATED ACCESSORIES COMPLETE BACK TO FAN ON THE ROOF ABOVE.

4 DISCONNECT AND REMOVE PIPING BACK TO MAIN / INDICATED POINT. CAP AND SEAL WATER TIGHT.

5 DISCONNECT AND REMOVE PIPING BACK TO MAIN / INDICATED POINT. PREP FOR CONNECTION TO NEW.

6 DISCONNECT THE EXISTING SPACE TEMPERATURE SENSOR TO ACCOMMODATE THE RENOVATION. THE EXISTING SPACE SENSOR SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.

7 DISCONNECT AND REMOVE EXISTING DIFFUSER AND ASSOCIATED FLEXIBLE DUCTWORK. PREP FOR CONNECTION TO NEW.

8 DISCONNECT AND REMOVE DUCTWORK BACK TO MAIN / INDICATED POINT. CAP AND SEAL AIR TIGHT.

9 DISCONNECT AND REMOVE DUCTWORK BACK TO MAIN / INDICATED POINT. PREP FOR CONNECTION TO NEW.

10 DISCONNECT AND REMOVE THE EXISTING FIN RADIATION AND ALL ASSOCIATED PIPING. REMOVE PIPING TO THE WALL PENETRATION AND PREP FOR CONNECTION TO NEW. CONTROL VALVE SHALL BE SALVAGED FOR RE-USE.

11 DISCONNECT THE EXISTING FIN RADIATION AND ASSOCIATED SUPPORTS, PIPING, VALVES AND CONTROLS TO ACCOMMODATE THE WALL REPLACEMENT. THE FIN RADIATION ELEMENT, ENCLOSURE, SUPPORTS, PIPING AND CONTROLS SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.

12 DISCONNECT THE EXISTING SPACE TEMPERATURE SENSOR TO ACCOMMODATE THE RENOVATION. THE EXISTING SPACE SENSOR SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLED IN THE SAME LOCATION.

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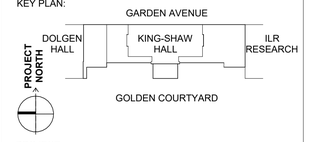
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

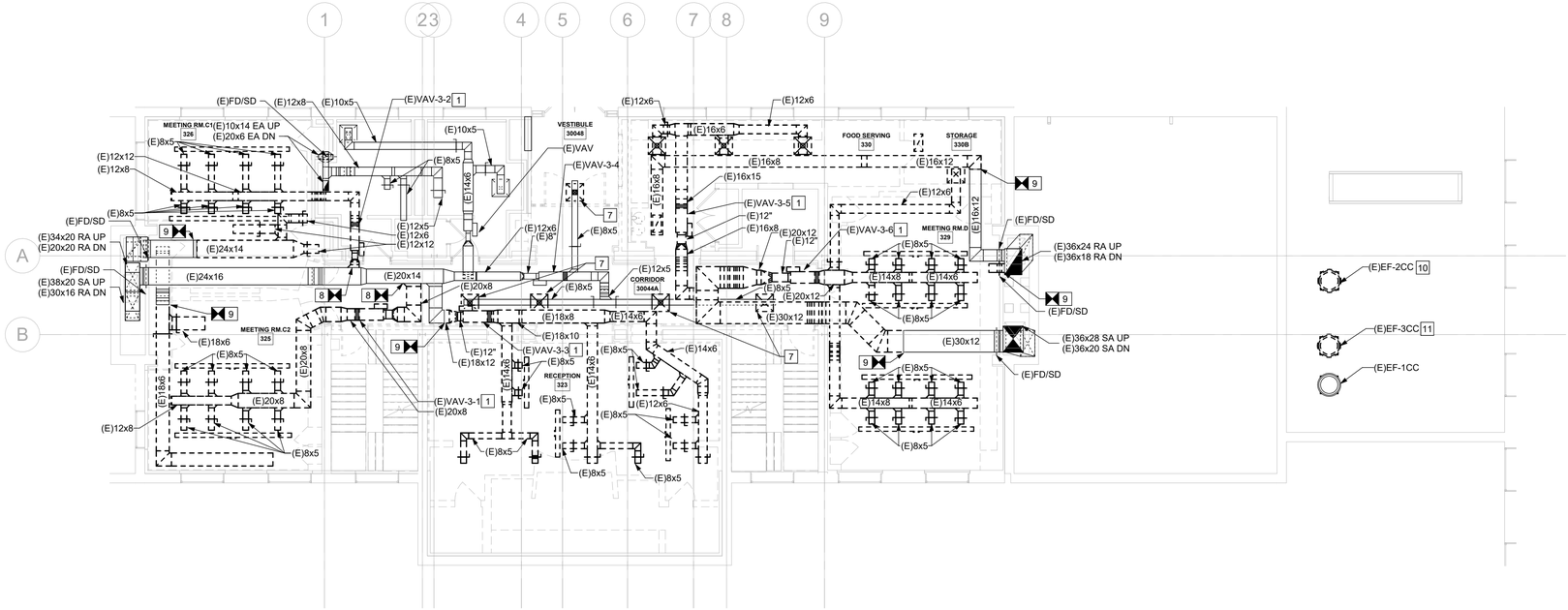
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

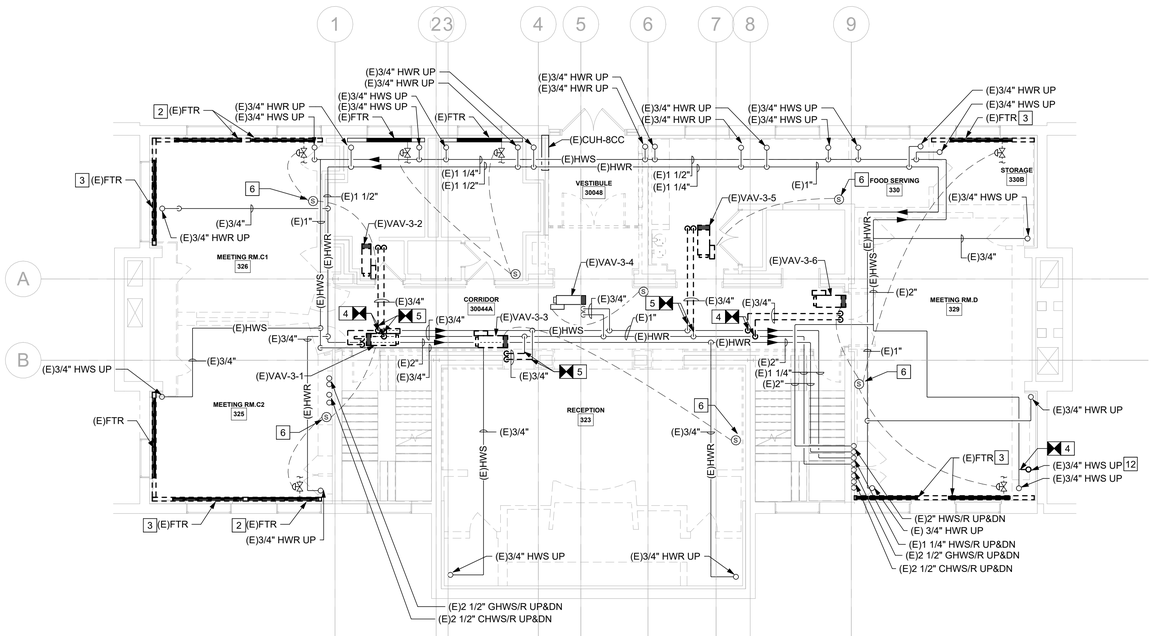
DEMOLITION PLAN - SECOND FLOOR - HVAC

PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1/8" = 1'-0"

DM-201



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



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

X DEMOLITION NOTES:

1. DISCONNECT AND REMOVE THE AIR TERMINAL UNIT TO ACCOMMODATE THE RENOVATION. THE EXISTING ZN CONTROLLER AND ACCESSORIES, AND HOT WATER CONTROL VALVE SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.
2. DISCONNECT AND REMOVE THE EXISTING FIN RADIATION AND ALL ASSOCIATED PIPING. REMOVE PIPING TO THE FLOOR PENETRATION AND PREP FOR CONNECTION TO NEW. CONTROL VALVE SHALL BE SALVAGED FOR RE-USE.
3. DISCONNECT THE EXISTING FIN RADIATION AND ALL ASSOCIATED PIPING AND CONTROLS TO ACCOMMODATE THE WALL MODIFICATIONS. REMOVE PIPING TO THE FLOOR PENETRATION AND PREP FOR CONNECTION TO NEW. THE FIN RADIATION ELEMENT, PIPING AND CONTROLS SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION. NEW ENCLOSURE SHALL BE PROVIDED.
4. DISCONNECT AND REMOVE PIPING BACK TO MAIN / INDICATED POINT. CAP AND SEAL WATER TIGHT.
5. DISCONNECT AND REMOVE PIPING BACK TO MAIN / INDICATED POINT. PREP FOR CONNECTION TO NEW.
6. DISCONNECT THE EXISTING SPACE TEMPERATURE SENSOR TO ACCOMMODATE THE RENOVATION. THE EXISTING SPACE SENSOR SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.
7. DISCONNECT AND REMOVE EXISTING DIFFUSER AND ASSOCIATED FLEXIBLE DUCTWORK. PREP FOR CONNECTION TO NEW.
8. DISCONNECT AND REMOVE DUCTWORK BACK TO MAIN / INDICATED POINT. CAP AND SEAL AIR TIGHT.
9. DISCONNECT AND REMOVE DUCTWORK BACK TO MAIN / INDICATED POINT. PREP FOR CONNECTION TO NEW.
10. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK, CONTROLS AND ROOF CURB.
11. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK AND CONTROLS. ROOF CURB SHALL REMAIN FOR RE-USE.
12. DISCONNECT AND REMOVE PIPING BACK TO THE EQUIPMENT ON THE FLOOR ABOVE.

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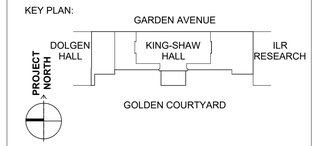
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

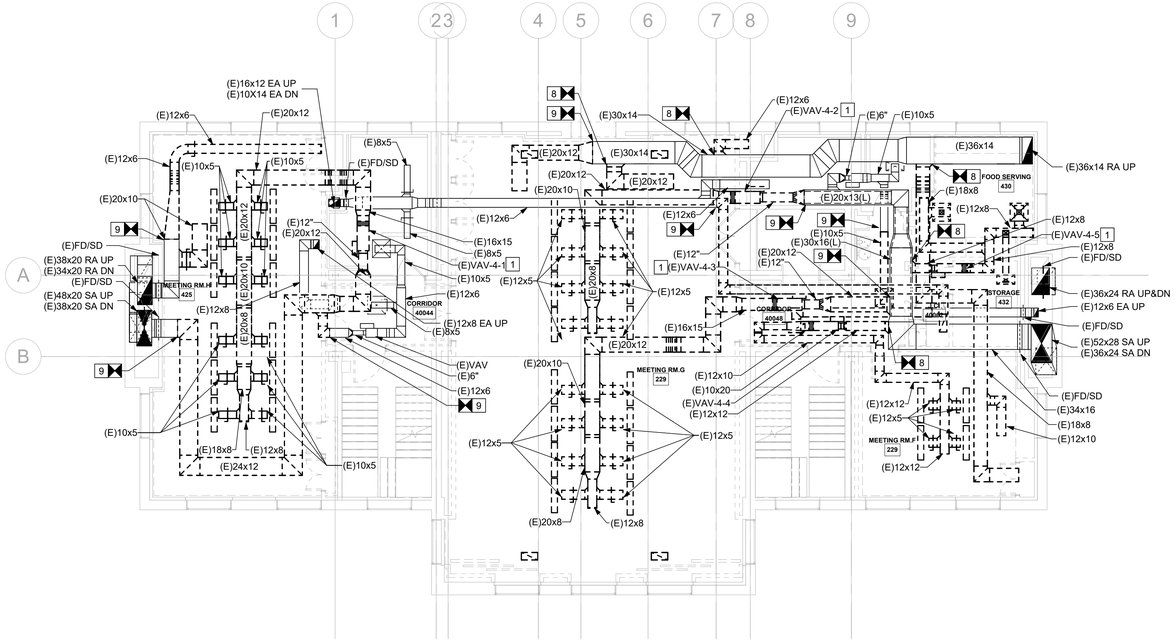
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - THIRD FLOOR - HVAC

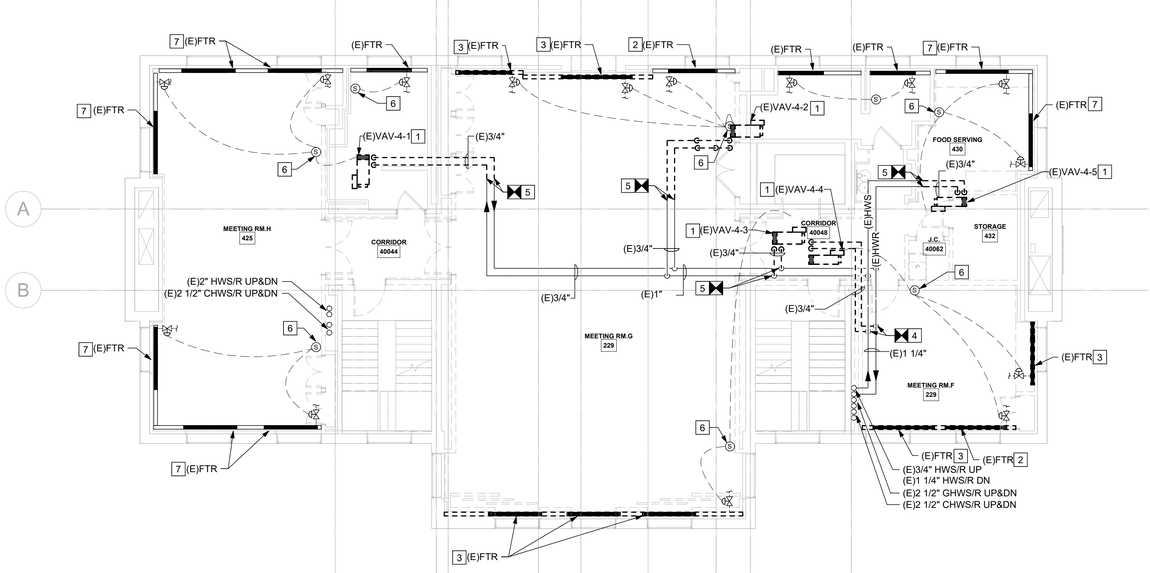
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DM-202



1 FOURTH FLOOR PLAN - DUCTWORK DEMOLITION

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



2 FOURTH FLOOR PLAN - PIPING DEMOLITION

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

X DEMOLITION NOTES:

1 DISCONNECT AND REMOVE THE AIR TERMINAL UNIT TO ACCOMMODATE THE RENOVATION. THE EXISTING ZN CONTROLLER AND ACCESSORIES, AND HOT WATER CONTROL VALVE SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.

2 DISCONNECT AND REMOVE THE EXISTING FIN RADIATION AND ALL ASSOCIATED PIPING. REMOVE PIPING TO THE FLOOR PENETRATION AND PREP FOR CONNECTION TO NEW. CONTROL VALVE SHALL BE SALVAGED FOR RE-USE.

3 DISCONNECT THE EXISTING FIN RADIATION AND ALL ASSOCIATED PIPING AND CONTROLS TO ACCOMMODATE THE WALL MODIFICATIONS. REMOVE PIPING TO THE FLOOR PENETRATION AND PREP FOR CONNECTION TO NEW. THE FIN RADIATION ELEMENT, PIPING AND CONTROLS SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION. NEW ENCLOSURE SHALL BE PROVIDED.

4 DISCONNECT AND REMOVE PIPING BACK TO MAIN / INDICATED POINT. CAP AND SEAL WATER TIGHT.

5 DISCONNECT AND REMOVE PIPING BACK TO MAIN / INDICATED POINT. PREP FOR CONNECTION TO NEW.

6 DISCONNECT THE EXISTING SPACE TEMPERATURE SENSOR TO ACCOMMODATE THE RENOVATION. THE EXISTING SPACE SENSOR SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.

7 DISCONNECT THE EXISTING FIN RADIATION AND ASSOCIATED SUPPORTS, PIPING, VALVES AND CONTROLS TO ACCOMMODATE THE WALL REPLACEMENT. THE FIN RADIATION ELEMENT, ENCLOSURE, SUPPORTS, PIPING AND CONTROLS SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.

8 DISCONNECT AND REMOVE DUCTWORK BACK TO MAIN / INDICATED POINT. CAP AND SEAL AIR TIGHT.

9 DISCONNECT AND REMOVE DUCTWORK BACK TO MAIN / INDICATED POINT. PREP FOR CONNECTION TO NEW.

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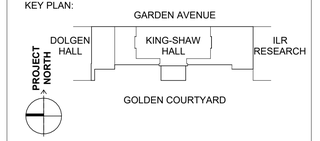


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

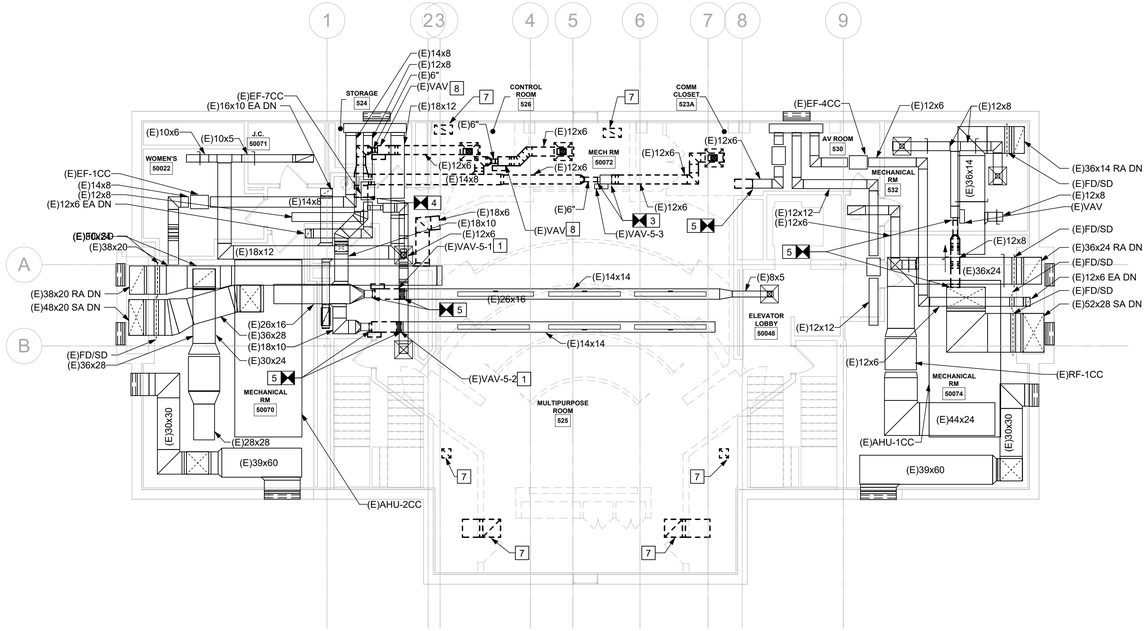
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - FOURTH FLOOR - HVAC

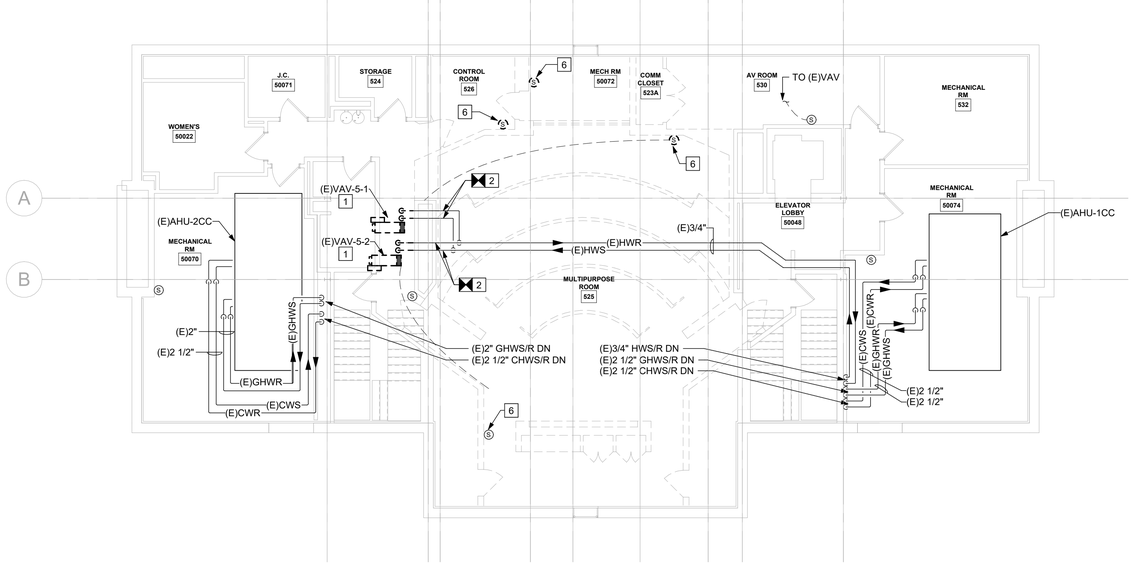
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DM-203



1 FIFTH FLOOR PLAN - DUCTWORK DEMOLITION

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



2 FIFTH FLOOR PLAN - PIPING DEMOLITION

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

DEMOLITION NOTES:

1. DISCONNECT AND REMOVE THE AIR TERMINAL UNIT TO ACCOMMODATE THE RENOVATION. THE EXISTING ZN CONTROLLER AND ACCESSORIES, AND HOT WATER CONTROL VALVE SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION.
2. DISCONNECT AND REMOVE PIPING BACK TO MAIN / INDICATED POINT. PREP FOR CONNECTION TO NEW.
3. DISCONNECT THE AIR TERMINAL UNIT TO ACCOMMODATE THE RENOVATION. THE EXISTING AIR TERMINAL UNIT, ZN CONTROLLER AND ACCESSORIES SHALL BE SALVAGED FOR RE-USE AND RE-INSTALLATION. ALL ASSOCIATED DUCTWORK SHALL BE REMOVED.
4. DISCONNECT AND REMOVE DUCTWORK BACK TO MAIN / INDICATED POINT. CAP AND SEAL AIR TIGHT.
5. DISCONNECT AND REMOVE DUCTWORK BACK TO MAIN / INDICATED POINT. PREP FOR CONNECTION TO NEW.
6. DISCONNECT AND REMOVE EXISTING SPACE SENSOR AND ALL ASSOCIATED CONTROL WIRING.
7. DISCONNECT AND REMOVE EXISTING PLENUM RETURN GRILLES AND TRANSFER DUCTWORK.
8. DISCONNECT AND REMOVE EXISTING VAV AND ALL ASSOCIATED DUCTWORK AND CONTROLS.

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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LIGHTING DESIGN:
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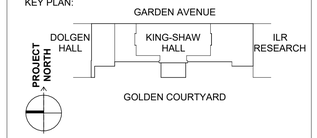
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

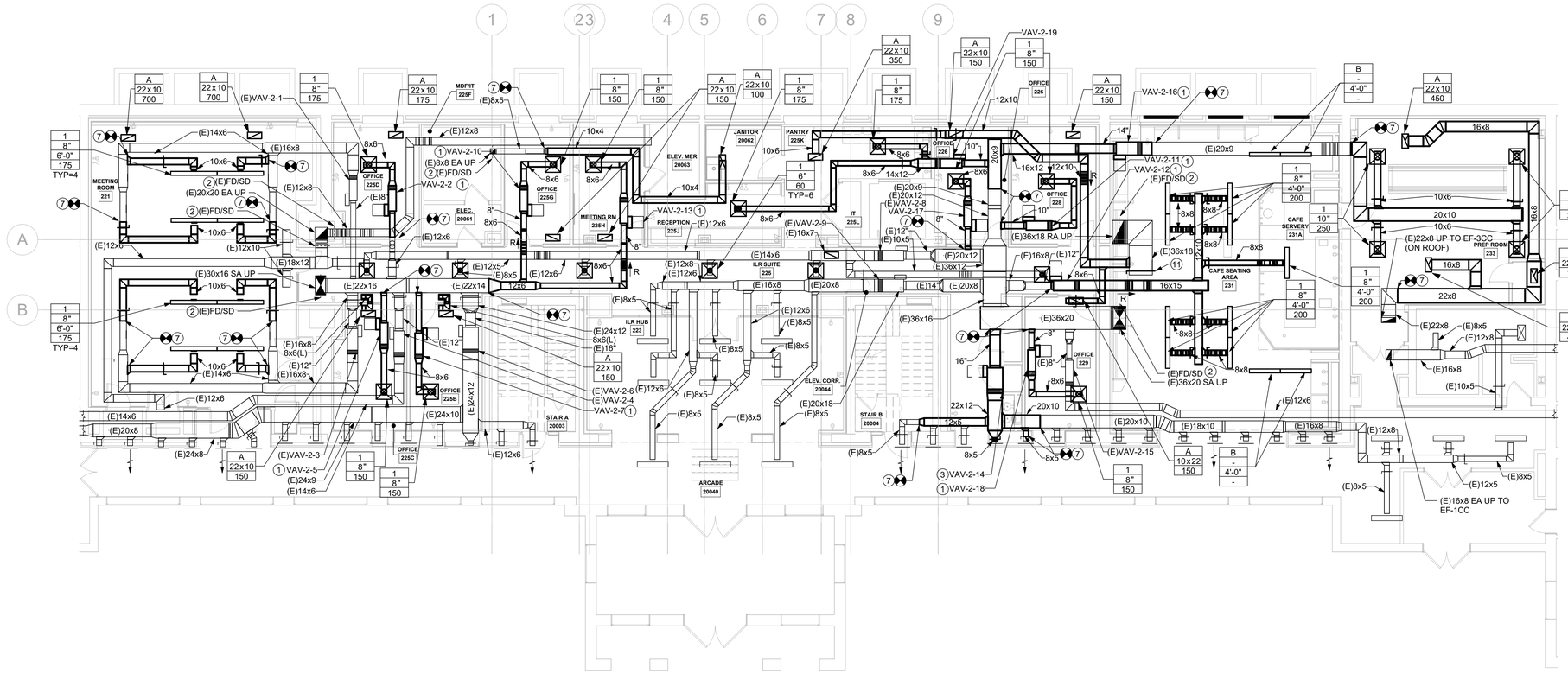
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - FIFTH FLOOR - HVAC

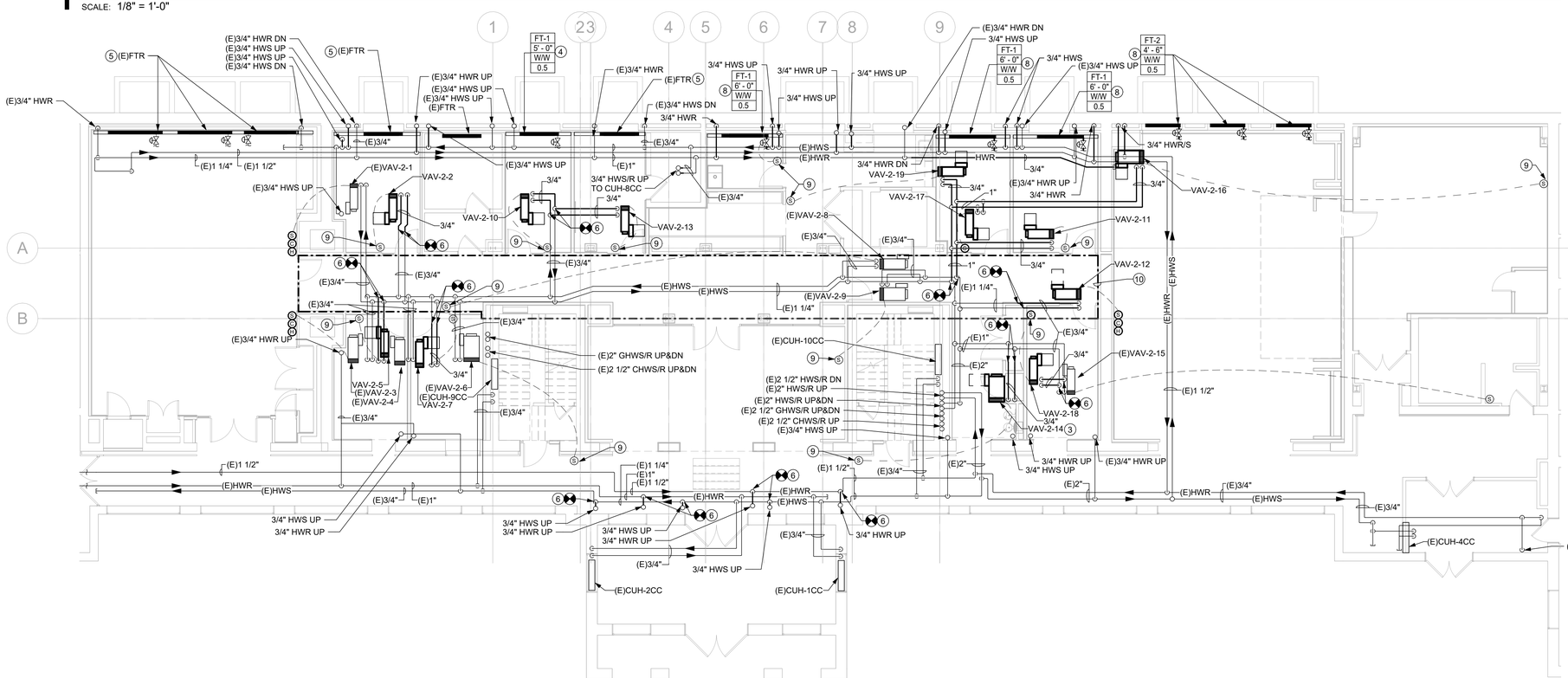
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DM-204



1 SECOND FLOOR PLAN - DUCTWORK

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



2 SECOND FLOOR PLAN - PIPING

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

GENERAL NOTES:

A. ALL NON-DUCT RETURN GRILLES SHALL INCLUDE AN INTERNALLY LINED PLENUM BOX AS NOTED IN THE RETURN GRILLE - NON DUCTED DETAIL PROVIDE DOUBLE WALL LINED TRANSFER DUCTWORK AS REQUIRED.

B. UNLESS INDICATED OTHERWISE, THE DUCTWORK AT THE VAV INLET SHALL MATCH THE INLET SIZE SHOWN ON THE EQUIPMENT. SCHEDULE

ⓧ DRAWING NOTES:

1 RE-INSTALL THE EXISTING ZN CONTROLLER AND ACCESSORIES, AND HOT WATER CONTROL VALVE FOR THE NEW TERMINAL UNIT. PROVIDE ALL CONTROL WIRING MODIFICATIONS AS REQUIRED FOR RE-INSTALLATION

2 EXISTING FIRE / SMOKE DAMPER SHALL BE TESTED AND CERTIFIED. REFER TO FIRE / SMOKE DAMPER SPECIFICATION FOR FURTHER REQUIREMENTS.

3 PROVIDE ALL MODIFICATIONS AS REQUIRED TO RE-INSTALL THE EXISTING VARIABLE VOLUME AIR TERMINAL UNIT IN THE LOCATION SHOWN.
PROVIDE ALL MODIFICATIONS AS REQUIRED TO RE-INSTALL THE EXISTING VARIABLE VOLUME AIR TERMINAL UNIT IN THE LOCATION SHOWN.

4 PROVIDE FIN RADIATION AND ASSOCIATED PIPING AND VALVES. RE-INSTALL THE EXISTING CONTROL VALVE AND PROVIDE ALL CONTROL WIRING MODIFICATIONS AS REQUIRED.

5 RE-INSTALL THE EXISTING FIN RADIATION AND ASSOCIATED SUPPORTS, PIPING, VALVES AND CONTROLS AFTER COMPLETION OF THE WALL MODIFICATIONS. PROVIDE ALL MODIFICATIONS AND ADDITIONAL PIPING, INSULATION AND WIRING AS REQUIRED FOR RE-INSTALLATION.

6 TIE PIPING INTO EXISTING. PROVIDE ALL PIPING MODIFICATIONS AS REQUIRED TO MAKE THE CONNECTION.

7 TIE DUCTWORK INTO EXISTING. TRANSITION AS REQUIRED TO MAKE THE CONNECTION.

8 PROVIDE FIN RADIATION. ROUTE PIPING THROUGH THE WALL CAVITY TO THE PIPING IN THE CEILING ABOVE.

9 RE-INSTALL THE EXISTING SPACE TEMPERATURE SENSOR. PROVIDE ADDITIONAL CONTROL WIRING AS REQUIRED FOR RE-INSTALLATION.

10 LIGHTING CONTROLS SHALL BE TIED INTO THE BACS. ALL CONTROL WIRING AND BACS COMPONENTS FROM THE ELECTRICAL COMPONENTS (LIGHTS, SENSORS, SWITCHES) TO THE BACS CONTROL PANEL SHALL BE BY DIVISION 23. REFER TO E-SERIES DRAWINGS FOR LIGHTING CONTROL REQUIREMENT AND M-SERIES CONTROL SCHEMATICS FOR FURTHER INFORMATION.

11 BALANCE TO 1800CFM

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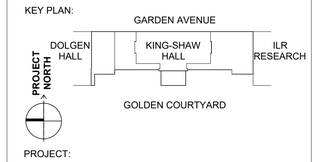
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

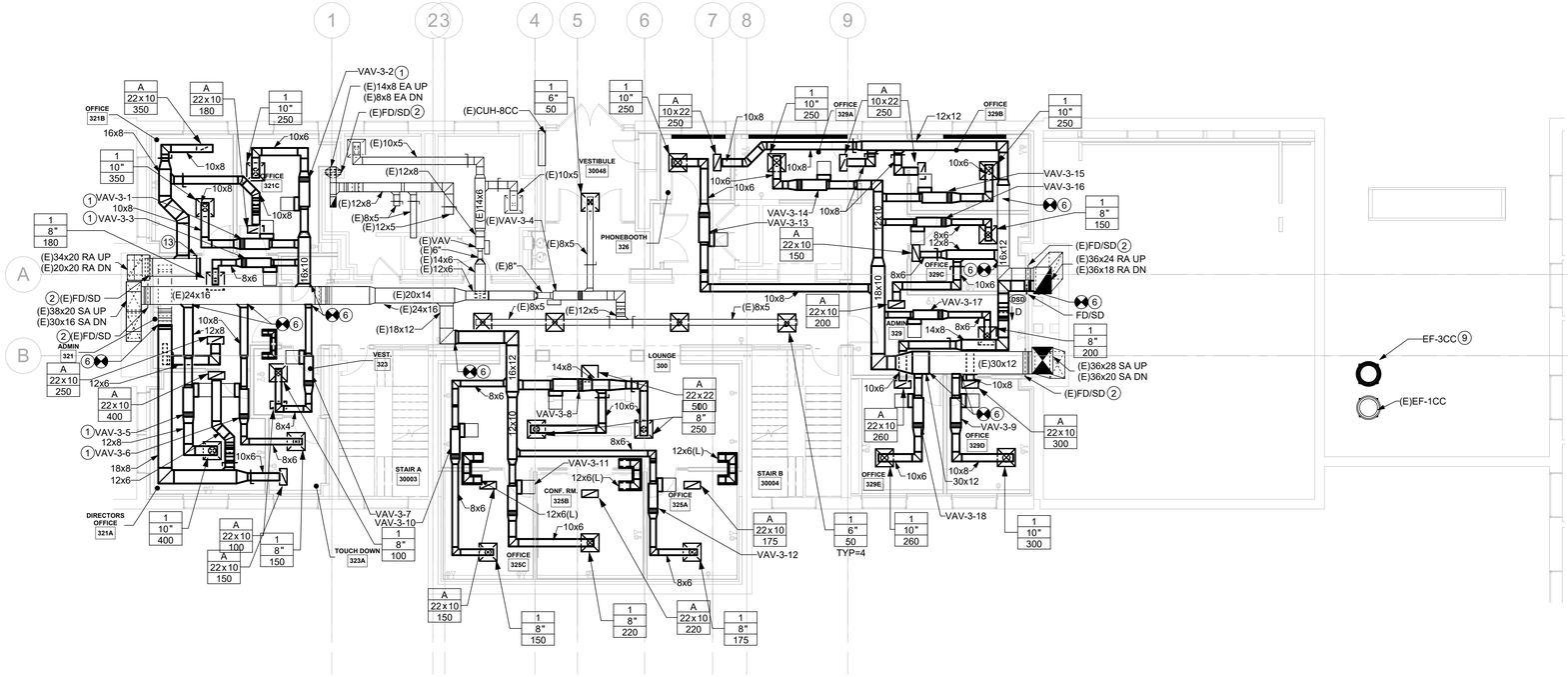
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - SECOND FLOOR - HVAC

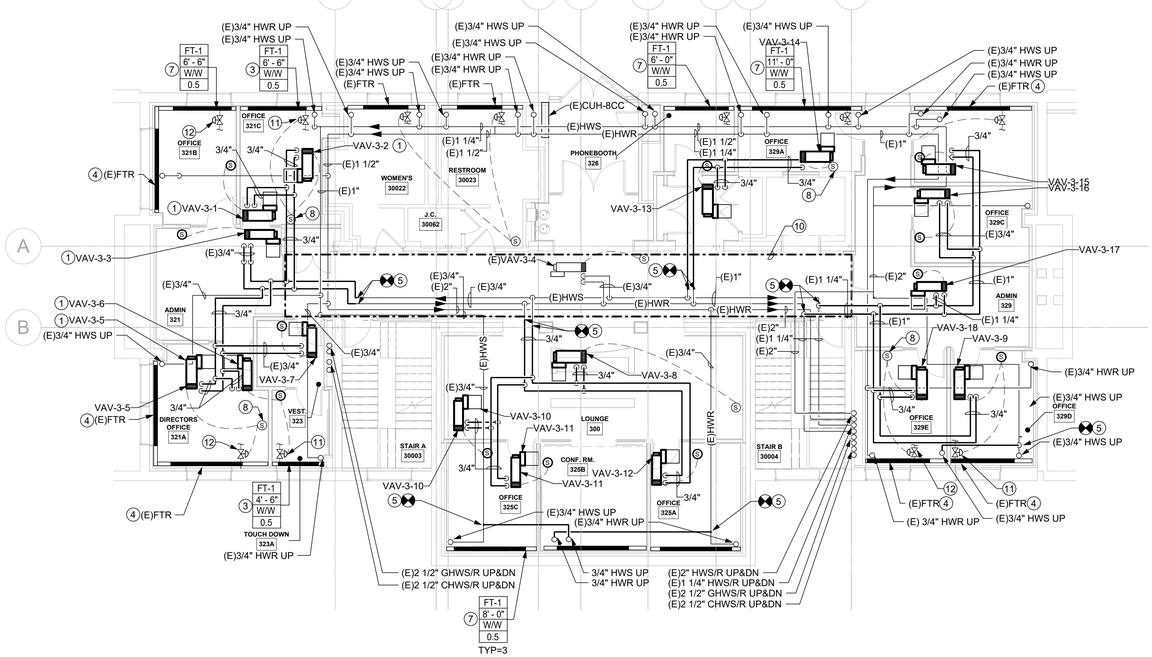
PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1/8" = 1'-0"

M-201



1 THIRD FLOOR PLAN - DUCTWORK

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



2 THIRD FLOOR PLAN - PIPING

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

GENERAL NOTES:

A. ALL NON-DUCT RETURN GRILLES SHALL INCLUDE AN INTERNALLY LINED PLENUM BOX AS NOTED IN THE RETURN GRILLE - NON DUCTED DETAIL.

B. UNLESS INDICATED OTHERWISE, THE DUCTWORK AT THE VAV INLET SHALL MATCH THE INLET SIZE SHOWN ON THE EQUIPMENT. SCHEDULE

ⓧ DRAWING NOTES:

1 RE-INSTALL THE EXISTING ZN CONTROLLER AND ACCESSORIES, AND HOT WATER CONTROL VALVE FOR THE NEW TERMINAL UNIT. PROVIDE ALL CONTROL WIRING MODIFICATIONS AS REQUIRED FOR RE-INSTALLATION

2 EXISTING FIRE / SMOKE DAMPER SHALL BE TESTED AND CERTIFIED. REFER TO FIRE / SMOKE DAMPER SPECIFICATION FOR FURTHER REQUIREMENTS.

3 PROVIDE RADIATION AND ALL ASSOCIATED PIPING MODIFICATION AS REQUIRED FOR INSTALLATION. EXISTING CONTROL VALVE AND CONTROL WIRING SHALL BE RE-USED.

4 PROVIDE FIN RADIATION ENCLOSURE AND SUPPORTS, ENCLOSURE SHALL BE EQUAL TO FT-1. RE-INSTALL THE EXISTING FIN RADIATION ELEMENT AND ALL ASSOCIATED PIPING, VALVES AND CONTROLS AFTER COMPLETION OF THE WALL MODIFICATIONS. PROVIDE ALL MODIFICATIONS AND ADDITIONAL PIPING, INSULATION AND WIRING AS REQUIRED FOR RE-INSTALLATION.

5 TIE PIPING INTO EXISTING. PROVIDE ALL PIPING MODIFICATIONS AS REQUIRED TO MAKE THE CONNECTION.

6 TIE DUCTWORK INTO EXISTING. TRANSITION AS REQUIRED TO MAKE THE CONNECTION.

7 PROVIDE FIN RADIATION. ROUTE PIPING DOWN TO THE FLOOR BELOW.

8 RE-INSTALL THE EXISTING SPACE TEMPERATURE SENSOR. PROVIDE ADDITIONAL CONTROL WIRING AS REQUIRED FOR RE-INSTALLATION.

9 PROVIDE EXHAUST ON EXISTING CURB. PROVIDE CURB ADAPTER KIT AND TIE INTO EXISTING DUCTWORK.

10 LIGHTING CONTROLS SHALL BE TIED INTO THE BACS. ALL CONTROL WIRING AND BACS COMPONENTS FROM THE ELECTRICAL COMPONENTS (LIGHTS, SENSORS, SWITCHES) TO THE BACS CONTROL PANEL SHALL BE BY DIVISION 23. REFER TO E-SERIES DRAWINGS FOR LIGHTING CONTROL REQUIREMENT AND M-SERIES CONTROL SCHEMATICS FOR FURTHER INFORMATION.

11 RE-INSTALL EXISTING CONTROL VALVE ON THE HOT WATER RETURN RISER FROM THE THIRD FLOOR AND RE-PIPE THE FIN RADIATION PER THE SCHEMATIC. PROVIDE ALL MODIFICATIONS AND ADDITIONAL PIPING, INSULATION AND WIRING AS REQUIRED FOR RE-INSTALLATION.

12 PROVIDE CONTROL VALVE FOR CONTROL OF THE NEW FIN RADIATION ZONE.

13 BALANCE TO 1325

CORNELL UNIVERSITY FOUNDED A.D. 1865

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Reg. Exp: 04/30/2026
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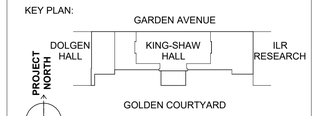
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

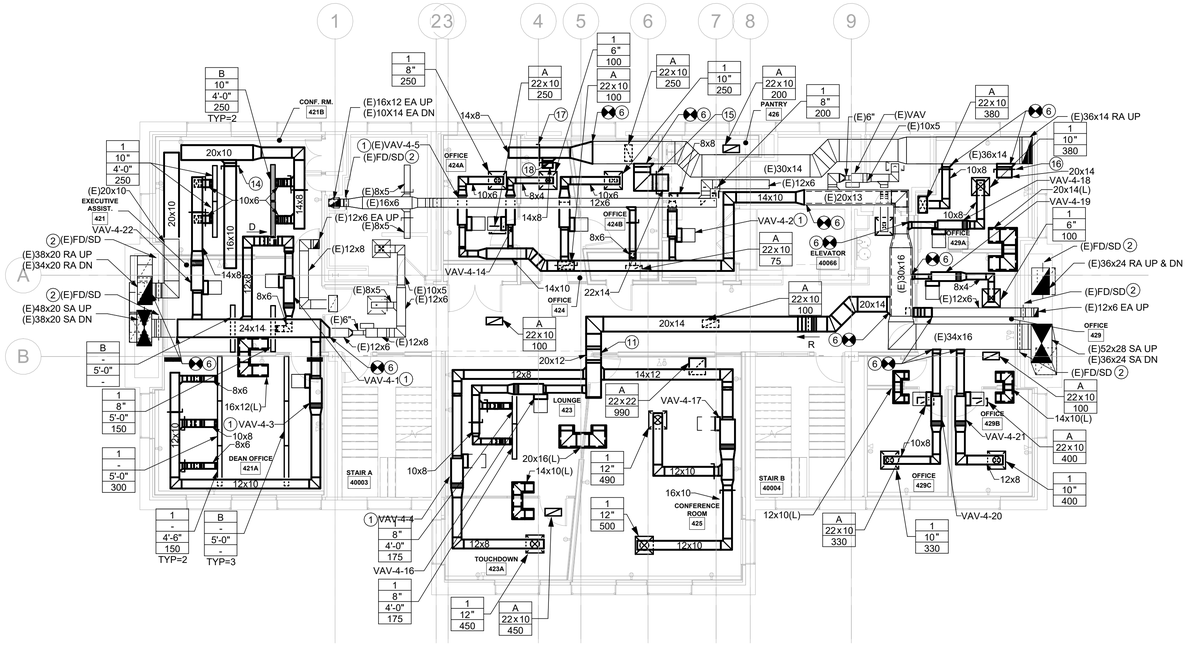
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - THIRD FLOOR - HVAC

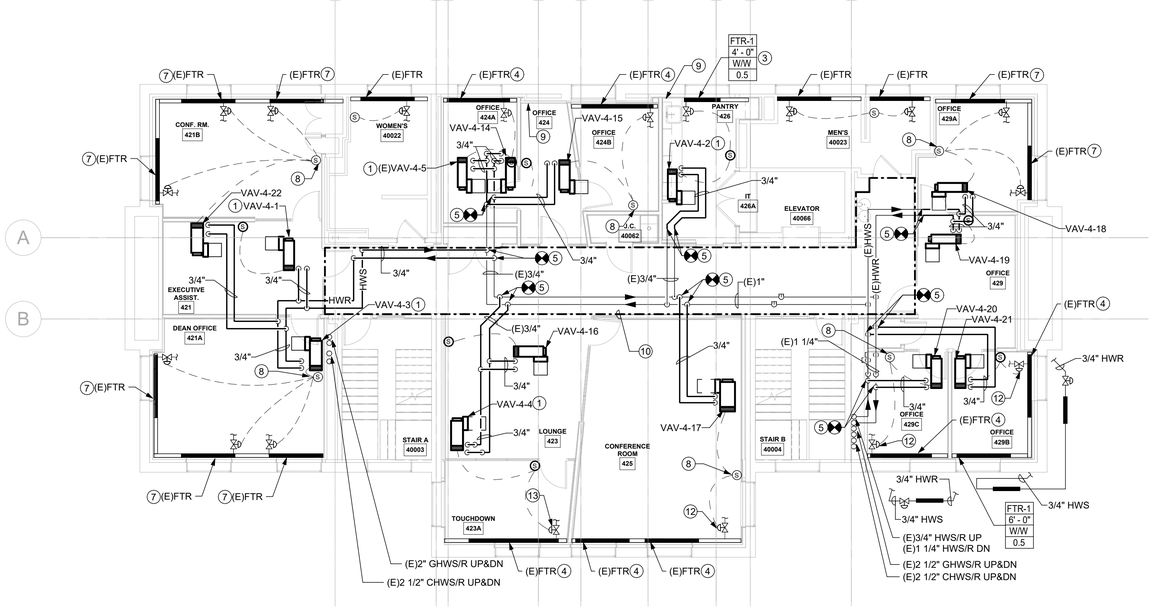
PROJECT NO: 240400	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1/8" = 1'-0"

M-202



1 FOURTH FLOOR PLAN - DUCTWORK

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



2 FOURTH FLOOR PLAN -PIPING

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

GENERAL NOTES:

A. ALL NON-DUCT RETURN GRILLES SHALL INCLUDE AN INTERNALLY LINED PLENUM BOX AS NOTED IN THE RETURN GRILLE - NON DUCTED DETAIL.

B. UNLESS INDICATED OTHERWISE, THE DUCTWORK AT THE VAV INLET SHALL MATCH THE INLET SIZE SHOWN ON THE EQUIPMENT. SCHEDULE

ⓧ DRAWING NOTES:

1 RE-INSTALL THE EXISTING ZN CONTROLLER AND ACCESSORIES, AND HOT WATER CONTROL VALVE FOR THE NEW TERMINAL UNIT. PROVIDE ALL CONTROL WIRING MODIFICATIONS AS REQUIRED FOR RE-INSTALLATION

2 EXISTING FIRE / SMOKE DAMPER SHALL BE TESTED AND CERTIFIED. REFER TO FIRE / SMOKE DAMPER SPECIFICATION FOR FURTHER REQUIREMENTS.

3 PROVIDE FIN RADIATION AND ASSOCIATED PIPING AND VALVES. RE-INSTALL THE EXISTING CONTROL VALVE AND PROVIDE ALL CONTROL WIRING MODIFICATIONS AS REQUIRED.

4 PROVIDE FIN RADIATION ENCLOSURE AND SUPPORTS, ENCLOSURE SHALL BE EQUAL TO FT-1. RE-INSTALL THE EXISTING FIN RADIATION ELEMENT AND ALL ASSOCIATED PIPING, VALVES AND CONTROLS AFTER COMPLETION OF THE WALL MODIFICATIONS. PROVIDE ALL MODIFICATIONS AND ADDITIONAL PIPING, INSULATION AND WIRING AS REQUIRED FOR RE-INSTALLATION.

5 TIE PIPING INTO EXISTING. PROVIDE ALL PIPING MODIFICATIONS AS REQUIRED TO MAKE THE CONNECTION.

6 TIE DUCTWORK INTO EXISTING. TRANSITION AS REQUIRED TO MAKE THE CONNECTION.

7 RE-INSTALL THE EXISTING FIN RADIATION AND ASSOCIATED SUPPORTS, PIPING, VALVES AND CONTROLS AFTER COMPLETION OF THE WALL MODIFICATIONS. PROVIDE ALL MODIFICATIONS AND ADDITIONAL PIPING, INSULATION AND WIRING AS REQUIRED FOR RE-INSTALLATION.

8 RE-INSTALL THE EXISTING SPACE TEMPERATURE SENSOR. PROVIDE ADDITIONAL CONTROL WIRING AS REQUIRED FOR RE-INSTALLATION.

9 OFFSET PIPING BETWEEN RADIATION WITHIN CASEWORK / WALL.

10 LIGHTING CONTROLS SHALL BE TIED INTO THE BACS. ALL CONTROL WIRING AND BACS COMPONENTS FROM THE ELECTRICAL COMPONENTS (LIGHTS, SENSORS, SWITCHES) TO THE BACS CONTROL PANEL SHALL BE BY DIVISION 23. REFER TO E-SERIES DRAWINGS FOR LIGHTING CONTROL REQUIREMENT AND M-SERIES CONTROL SCHEMATICS FOR FURTHER INFORMATION.

11 DUCT IS TO PENETRATE EXISTING HOLE IN BEAM.

12 RE-INSTALL EXISTING CONTROL VALVE ON THE HOT WATER RETURN RISER FROM THE THIRD FLOOR AND RE-PIPE THE FIN RADIATION PER THE SCHEMATIC. PROVIDE ALL MODIFICATIONS AND ADDITIONAL PIPING, INSULATION AND WIRING AS REQUIRED FOR RE-INSTALLATION.

13 PROVIDE CONTROL VALVE FOR CONTROL OF THE NEW FIN RADIATION ZONE.

14 BALANCE TO 750CFM

15 BALANCE TO 1800CFM

16 BALANCE TO 830CFM

17 BALANCE TO 250CFM

18 BALANCE TO 100CFM

OWNER PROJECT NUMBER
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Ithaca, NY 14853

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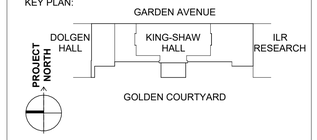
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

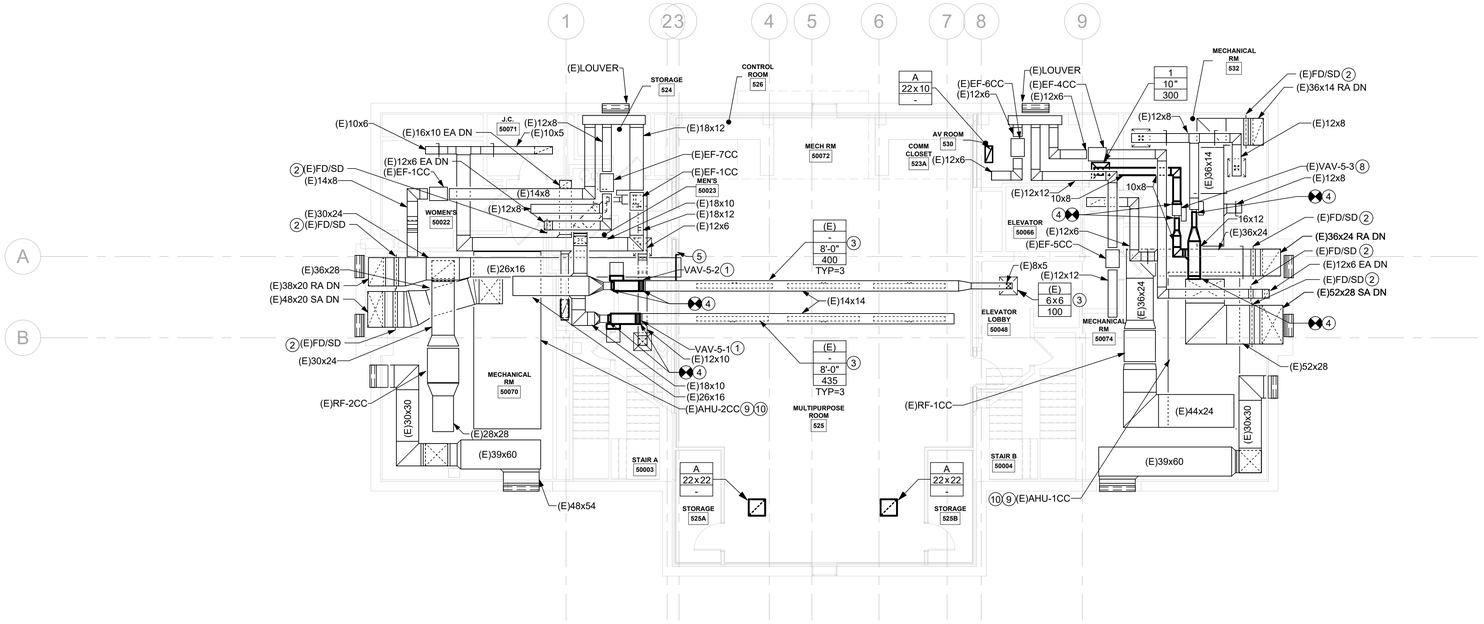
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - FOURTH FLOOR - HVAC

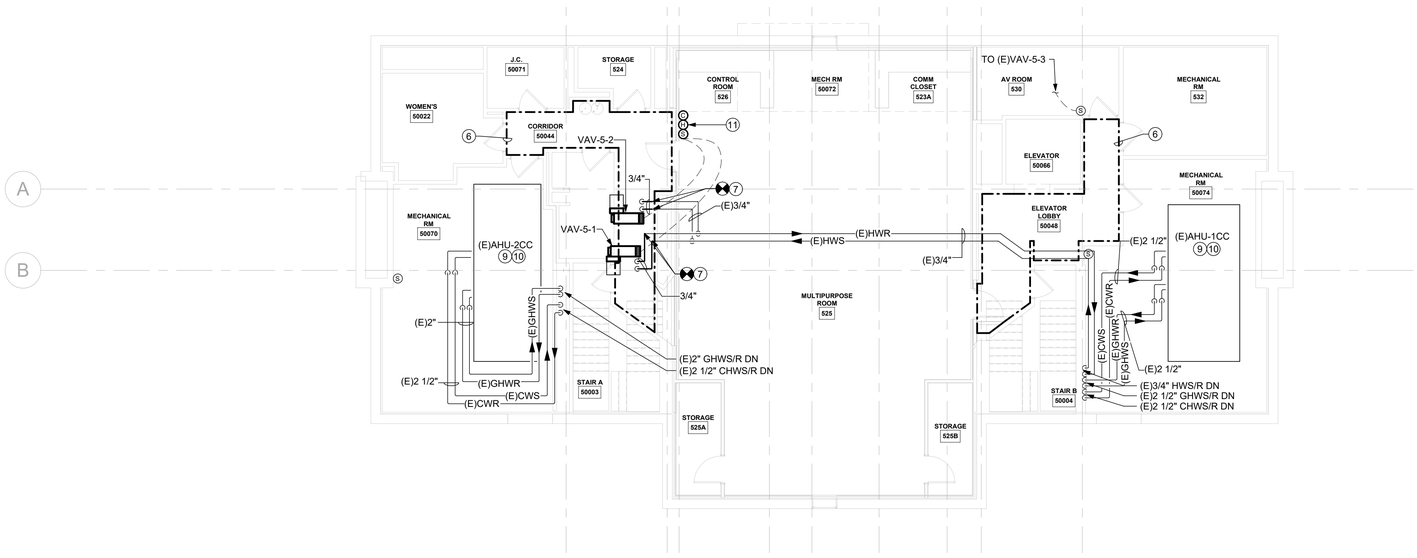
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

M-203



1 FIFTH FLOOR PLAN - DUCTWORK

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



2 FIFTH FLOOR PLAN - PIPING

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

GENERAL NOTES:

A. ALL NON-DUCT RETURN GRILLES SHALL INCLUDE AN INTERNALLY LINED PLENUM BOX AS NOTED IN THE RETURN GRILLE - NON DUCTED DETAIL.

ⓧ DRAWING NOTES:

1. RE-INSTALL THE EXISTING ZN CONTROLLER AND ACCESSORIES, AND HOT WATER CONTROL VALVE FOR THE NEW TERMINAL UNIT. PROVIDE ALL CONTROL WIRING MODIFICATIONS AS REQUIRED FOR RE-INSTALLATION.
2. EXISTING FIRE / SMOKE DAMPER SHALL BE TESTED AND CERTIFIED. REFER TO FIRE / SMOKE DAMPER SPECIFICATION FOR FURTHER REQUIREMENTS.
3. RE-BALANCE EXISTING DIFFUSER TO AIRFLOW INDICATED.
4. TIE DUCTWORK INTO EXISTING. TRANSITION AS REQUIRED TO MAKE THE CONNECTION.
5. BALANCE TO 2600 CFM.
6. LIGHTING CONTROLS SHALL BE TIED INTO THE BACS. ALL CONTROL WIRING AND BACS COMPONENTS FROM THE ELECTRICAL COMPONENTS (LIGHTS, SENSORS, SWITCHES) TO THE BACS CONTROL PANEL SHALL BE BY DIVISION 23. REFER TO E-SERIES DRAWINGS FOR LIGHTING CONTROL REQUIREMENT AND M-SERIES CONTROL SCHEMATICS FOR FURTHER INFORMATION.
7. TIE PIPING INTO EXISTING. PROVIDE ALL PIPING MODIFICATIONS AS REQUIRED TO MAKE THE CONNECTION.
8. RE-INSTALL THE EXISTING AIR TERMINAL UNIT, ZN CONTROLLER AND ACCESSORIES. PROVIDE ALL CONTROL WIRING MODIFICATIONS AS REQUIRED FOR RE-INSTALLATION.
9. CLEAN AND RE-CALIBRATE THE SUPPLY, RETURN AND MINIMUM OUTSIDE AIR AIRFLOW STATIONS ASSOCIATED WITH THE AIR HANDLING UNIT.
10. RE-COMMISSION AND RE-CALIBRATE EXISTING AIR HANDLING UNIT AND ASSOCIATED RETURN FAN PRIOR TO SUBSTANTIAL COMPLETION. DEFICIENCY LOG SHALL BE GENERATED AND REPORTED TO CORNELL PROJECT MANAGER TO REVIEW AND ADVISE ON RESOLUTION.
11. PROVIDE COMBINATION TEMPERATURE, HUMIDITY AND CO2 SPACE SENSOR.

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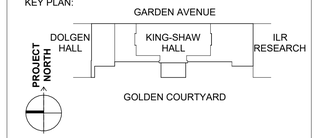

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - FIFTH FLOOR - HVAC

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

M-204

CHILLED WATER LOAD SHED MATRIX				
CONTROL POINT	LOAD SHED 1 CHILLED WATER DAYTIME (DEFCON 2)	LOAD SHED 2 CHILLED WATER NIGHT (DEFCON 3)	LOAD SHED 3 CHILLED WATER EMERGENCY (DEFCON 1)	LOAD SHED 4 CHILLED WATER LSC EMERGENCY (DEFCON)
ZONE CONTROL				
NON-RESEARCH SPACES	INDEX SPACE TO UNOCCUPIED MODE			
	CHILLED WATER COIL CONTROL VALVE UNDER CONTROL	INDEX CHILLED WATER COIL CONTROL VALVE CLOSED		

1 CHILLED WATER LOAD SHED
SCALE: NOT TO SCALE

STEAM LOAD SHED MATRIX						
CONTROL POINT	LOAD SHED 1 STEAM	LOAD SHED 2 STEAM	LOAD SHED 3 STEAM	LOAD SHED 4 STEAM	LOAD SHED 5 STEAM	LOAD SHED 6 STEAM
ZONE CONTROL						
NON-RESEARCH SPACES	INDEX SPACE TO UNOCCUPIED MODE				INDEX TEMPERATURE SET POINT TO 60°F	

2 STEAM LOAD SHED
SCALE: NOT TO SCALE

OWNER PROJECT NUMBER
Cornell University
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SEAL:
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Reg. Exp: 04/30/2026
Cert. of Auth: 0018443

ISSUE/REVISION:

NO.	DATE	COMMENTS

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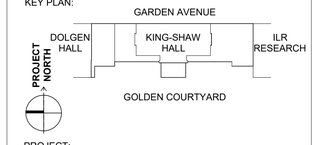
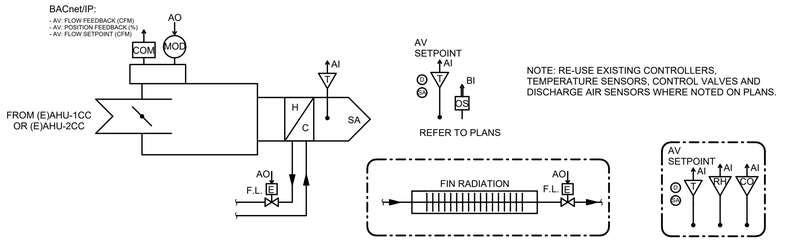
KEY PLAN:


PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING SHAW
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
LOAD SHED MATRICES

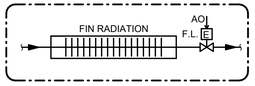
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NOT TO SCALE**

M-300

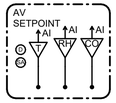


REFER TO PLANS

NOTE: RE-USE EXISTING CONTROLLERS, TEMPERATURE SENSORS, CONTROL VALVES AND DISCHARGE AIR SENSORS WHERE NOTED ON PLANS.



REFER TO PLANS FOR LOCATIONS & QUANTITIES



REFER TO PLANS FOR LOCATIONS WITH COMBINATION TEMPERATURE, CO2 AND HUMIDITY SENSOR

SEQUENCE OF OPERATION

SYSTEM DESCRIPTION

VARIABLE AIR VOLUME SUPPLY AIR TERMINAL UNIT WITH REHEAT

FIN RADIATION (WHERE APPLICABLE)

GENERAL

SYSTEM SHALL BE CONTROLLED THROUGH THE BUILDING AUTOMATION AND CONTROL SYSTEM (BACS).

ALL SETPOINTS SHALL BE ADJUSTABLE.

THE BACS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES PER WEEK.

THE BACS SHALL BE CAPABLE OF RETAINING ITS PROGRAMMING AND TIME SETTING DURING A LOSS OF POWER FOR AT LEAST TEN HOURS.

FOR SPACES WITH MULTIPLE AIR TERMINAL UNITS, THEY SHALL EXECUTE THE SEQUENCE IN PARALLEL.

SETPOINTS

SPACE COOLING TEMPERATURE SETPOINTS:

OCCUPIED:	75ºF
OCCUPIED SETBACK:	78ºF
UNOCCUPIED:	81ºF

SPACE HEATING TEMPERATURE SETPOINTS:

OCCUPIED:	70ºF
OCCUPIED SETBACK:	76ºF
UNOCCUPIED:	64ºF

MINIMUM SPACE OCCUPANCY INDEX TIME: 30 MINUTES

SPACE CARBON DIOXIDE: 900 PPM

ZONE OCCUPANCY SCHEDULE: **8AM TO 8PM, MON-FRI**

SPACE OCCUPANCY

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

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 SENSOR 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 SENSOR, THE ZONE SHALL BE INDEXED TO OCCUPIED FOR THE DURATION OF OCCUPANCY. THE ZONE SHALL INDEX BACK TO UNOCCUPIED WHEN OCCUPANCY IS NOT SENSED FOR A PERIOD OF 30 MINUTES.

FOR ZONES WITH MULTIPLE SPACES, ZONE OCCUPANCY SHALL BE BASED ON OCCUPANCY INPUTS FROM ANY OF THE SPACE OCCUPANCY SENSORS ASSOCIATED WITH THAT ZONE.

FOR ZONES WITHOUT OCCUPANCY SENSORS, OCCUPANCY SHALL BE BASED ON TIME OF DAY SCHEDULE.

ZONE TEMPERATURE CONTROL

TEMPERATURE SETPOINTS SHALL BE DETERMINED BASED ON A COMBINATION OF PROGRAMMED SCHEDULE AND ZONE OCCUPANCY.

FOR ZONES WITH MULTIPLE SPACES, ZONE TEMPERATURE SHALL BE DETERMINED BASED ON AN AVERAGE OF ALL SPACE TEMPERATURES ASSOCIATED WITH THE ZONE.

OCCUPIED HEATING: IF THE ZONE IS OCCUPIED DURING THE SCHEDULED OCCUPIED PERIOD, THE SUPPLY AIR VAV BOX SHALL INDEX TO THE HEATING AIRFLOW SETPOINT. IF THE ZONE TEMPERATURE FALLS BELOW THE OCCUPIED HEATING TEMPERATURE SETPOINT, THE FIN TUBE RADIATION CONTROL VALVE SHALL MODULATE TO MAINTAIN SETPOINT. IF THE TEMPERATURE IS NOT AT SETPOINT WITH THE FIN TUBE RADIATION VALVE FULLY OPEN, THE REHEAT COIL VALVE SHALL THEN BE INDEXED TO MODULATE AS REQUIRED TO MAINTAIN SETPOINT.

OCCUPIED COOLING: IF THE ZONE IS OCCUPIED DURING THE SCHEDULED OCCUPIED PERIOD, THE SUPPLY AIR VAV BOX SHALL INDEX TO THE COOLING MINIMUM AIRFLOW SETPOINT. IF THE ZONE TEMPERATURE RISES ABOVE THE OCCUPIED COOLING TEMPERATURE SETPOINT, THE SUPPLY AIR VAV BOX SHALL MODULATE BETWEEN THE COOLING MINIMUM AND COOLING MAXIMUM AIRFLOW SETPOINTS AS NEEDED TO MAINTAIN SETPOINT. THE FIN TUBE RADIATION AND REHEAT COIL CONTROL VALVE SHALL BE CLOSED.

OCCUPIED SETBACK: IF THE ZONE IS UNOCCUPIED DURING THE SCHEDULED OCCUPIED PERIOD, THE ABOVE OCCUPIED HEATING/ COOLING SEQUENCES SHALL APPLY. THE SPACE SHALL BE MAINTAINED AT THE OCCUPIED SETBACK TEMPERATURE SETPOINTS.

UNOCCUPIED HEATING: WHEN THE SPACE IS UNOCCUPIED DURING THE SCHEDULED UNOCCUPIED PERIOD, THE SUPPLY AIR VAV BOX SHALL INDEX CLOSED. IF THE ZONE TEMPERATURE FALLS BELOW THE UNOCCUPIED HEATING TEMPERATURE SETPOINT, THE FIN TUBE RADIATION CONTROL VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN SETPOINT. IF THE TEMPERATURE IS NOT AT SETPOINT WITH THE FIN TUBE RADIATION VALVE FULLY OPEN, THE SUPPLY AIR VAV BOX SHALL INDEX TO THE HEATING AIRFLOW SETPOINT AND THE REHEAT COIL VALVE SHALL THEN BE INDEXED TO MODULATE AS REQUIRED TO MAINTAIN SETPOINT.

UNOCCUPIED COOLING: WHEN THE SPACE IS UNOCCUPIED DURING THE SCHEDULED UNOCCUPIED PERIOD, THE SUPPLY AIR VAV BOX SHALL INDEX CLOSED. IF THE ZONE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING TEMPERATURE SETPOINT, THE SUPPLY AIR VAV BOX SHALL MODULATE BETWEEN THE COOLING MINIMUM AND COOLING MAXIMUM AIRFLOW SETPOINTS AS NEEDED TO MAINTAIN SETPOINT. THE FIN TUBE RADIATION AND REHEAT COIL CONTROL VALVE SHALL BE CLOSED.

IF THE ZONE BECOMES OCCUPIED DURING THE SCHEDULED UNOCCUPIED PERIOD, THE OCCUPIED HEATING/COOLING SEQUENCES SHALL APPLY FOR THE DURATION OF OCCUPANCY. THE ZONE SHALL BE MAINTAINED AT THE OCCUPIED TEMPERATURE SETPOINTS. WHEN THE ZONE BECOMES UNOCCUPIED AGAIN DURING THE SCHEDULED UNOCCUPIED PERIOD, THE ZONE SHALL INDEX BACK TO UNOCCUPIED MODE.

FOR ZONES WITHOUT FIN TUBE RADIATION, THE SEQUENCES ABOVE SHALL APPLY WITHOUT FIN TUBE RADIATION CONTROL.

CARBON DIOXIDE LIMIT RESET

AIR TERMINAL UNITS WITH CO2 CONTROL, REGARDLESS OF NORMAL OPERATION, SHALL HAVE THE SAME CONTROL SEQUENCE AS ABOVE WITH THE EXCEPTION OF CO2 RESET FEATURE. THE TERMINALS SHALL BE RESET TO INCREASE MINIMUM SETTING BASED ON ROOM CO2 MONITOR FEEDBACK. IF A SPACE CO2 LEVEL REACHES A LEVEL ABOVE 900 PPM, THE VAV SHALL MODULATE UP TO ITS MAXIMUM AIRFLOW SETTING WHILE MODULATING THE REHEAT CONTROL VALVE AS REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT UNTIL CO2 LEVELS DROP BELOW 500 PPM. THE VAV SHALL RETURN TO ITS NORMAL CONTROL SEQUENCE. AN ALARM SHALL BE GENERATED IF CARBON DIOXIDE REACHES A LEVEL 10% ABOVE 900 PPM. REFER TO FLOOR PLANS FOR LOCATIONS OF VAV'S WITH CO2 RESET.

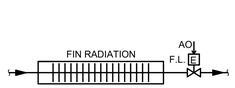
POINT SCHEDULE

EQUIPMENT	HARDWARE POINTS				SOFTWARE POINTS							SHOWN ON GRAPHIC	NOTES
	BI	BO	AI	AO	AV	BV	SCH	TREND	ALARM BACS	ALARM EMCS	ALARM DESCRIPTION		
STEAM LOAD SHED						X (6)							BINARY NETWORK INPUTS FROM EMCS
CHILLED WATER LOAD SHED						X (4)							BINARY NETWORK INPUTS FROM EMCS
VAV DAMPER POSITION COMMAND				X				X				X	
VAV AIRFLOW FEEDBACK (CFM)					X			X	X		10% FLOW DEVIATION FROM SETPOINT	X	BACnet/IP NETWORK POINT
VAV AIRFLOW SETPOINT (CFM)					X			X				X	BACnet/IP NETWORK POINT
VAV POSITION FEEDBACK (%)					X			X	X		COMMAND DOES NOT EQUAL FEEDBACK	X	BACnet/IP NETWORK POINT
REHEAT COIL LEAVING AIR TEMPERATURE			X					X				X	SINGLE POINT SENSOR
REHEAT COIL VALVE POSITION COMMAND (%)				X				X	X		5 DEG DELTA ACROSS COIL WITH VALVE COMMANDED CLOSED	X	FAIL LAST
FIN TUBE CONTROL VALVE POSITION COMMAND (%)				X				X				X	REFER TO PLANS, FAIL LAST
SPACE TEMPERATURE / SETPOINT			X		X			X	X		+/- 4 DEG F FROM SETPOINT	X	REFER TO PLANS
SPACE CARBON DIOXIDE / SETPOINT			X		X			X	X			X	REFER TO PLANS
SPACE RELATIVE HUMIDITY			X					X			+/- 4 DEG F FROM SETPOINT	X	MONITORING ONLY, REFER TO PLANS
SPACE OCCUPANCY	X						X	X				X	REFER TO PLANS

1 TYPICAL OFFICE AND CONFERENCE ROOM CONTROL SCHEMATIC AND SYSTEM SUMMARY

SCALE: NOT TO SCALE

NOTE: RE-USE EXISTING TEMPERATURE SENSORS AND CONTROL VALVES WHERE NOTED ON PLANS.



REFER TO PLANS

SEQUENCE OF OPERATION

SYSTEM DESCRIPTION

FIN TUBE RADIATION

GENERAL

SYSTEM SHALL BE CONTROLLED THROUGH THE BUILDING AUTOMATION AND CONTROL SYSTEM (BACS).

ALL SETPOINTS SHALL BE ADJUSTABLE.

THE BACS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES PER WEEK.

THE BACS SHALL BE CAPABLE OF RETAINING ITS PROGRAMMING AND TIME SETTING DURING A LOSS OF POWER FOR AT LEAST TEN HOURS.

SETPOINTS

SPACE HEATING TEMPERATURE SETPOINTS:

OCCUPIED	70ºF
UNOCCUPIED	64ºF

SPACE OCCUPANCY

OCCUPANCY SHALL BE DETERMINED BASED UPON A TIME OF DAY SCHEDULE.

ZONE TEMPERATURE CONTROL

TEMPERATURE SETPOINTS SHALL BE DETERMINED BASED ON A PROGRAMMED SCHEDULE.

OCCUPIED/UNOCCUPIED HEATING: IF THE ZONE TEMPERATURE FALLS BELOW THE OCCUPIED HEATING TEMPERATURE SETPOINT THE HEATING COIL CONTROL VALVE SHALL MODULATE TO MAINTAIN TEMPERATURE SETPOINT.

POINT SCHEDULE

EQUIPMENT	HARDWARE POINTS				SOFTWARE POINTS							SHOWN ON GRAPHIC	NOTES
	BI	BO	AI	AO	AV	BV	SCH	TREND	ALARM BACS	ALARM EMCS	ALARM DESCRIPTION		
STEAM LOAD SHED						X (6)							BINARY NETWORK INPUTS FROM EMCS
FIN TUBE CONTROL VALVE POSITION COMMAND (%)				X				X				X	FAIL LAST
SPACE TEMPERATURE / SETPOINT			X		X			X	X		+/- 4 DEG F FROM SETPOINT	X	REFER TO PLANS
SPACE OCCUPANCY	X						X	X				X	REFER TO PLANS

2 TYPICAL FIN RADIATION CONTROL SCHEMATIC AND SYSTEM SUMMARY

SCALE: NOT TO SCALE

OWNER PROJECT NUMBER
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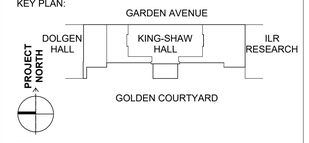


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

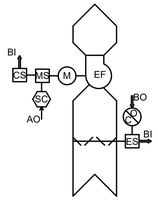
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

CONTROL SCHEMATICS AND SYSTEM SUMMARIES

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NOT TO SCALE**

M-301



POINT SCHEDULE													
EQUIPMENT	HARDWARE POINTS				SOFTWARE POINTS							SHOWN ON GRAPHIC	NOTES
									ALARM				
	BI	BO	AI	AO	AV	BV	SCH	TREND	BACS	EMCS	DESCRIPTION		
FAN ISOLATION DAMPER OPEN/CLOSED		X										X	
FAN ISOLATION DAMPER STATUS	X											X	
FAN SPEED CONTROL				X				X				X	
FAN STATUS	X							X	X		FAILURE	X	VIA CURRENT SENSOR

1 PREP KITCHEN GENERAL EXHAUST CONTROL SCHEMATIC AND SYSTEM SUMMARY

SCALE: NOT TO SCALE

SEQUENCE OF OPERATION

SYSTEM DESCRIPTION

PREP KITCHEN EXHAUST

GENERAL

SYSTEM SHALL BE CONTROLLED THROUGH THE BUILDING AUTOMATION AND CONTROL SYSTEM (BACS).

ALL SETPOINTS SHALL BE ADJUSTABLE.

THE BACS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES PER WEEK.

THE BACS SHALL BE CAPABLE OF RETAINING ITS PROGRAMMING AND TIME SETTING DURING A LOSS OF POWER FOR AT LEAST TEN HOURS.

SETPOINTS

ZONE OCCUPANCY SCHEDULE: **8AM TO 8PM, MON-FRI**

SPACE OCCUPANCY

ZONE OCCUPANCY SHALL BE DETERMINED BASED ON A TIME OF DAY SCHEDULE.

START/STOP

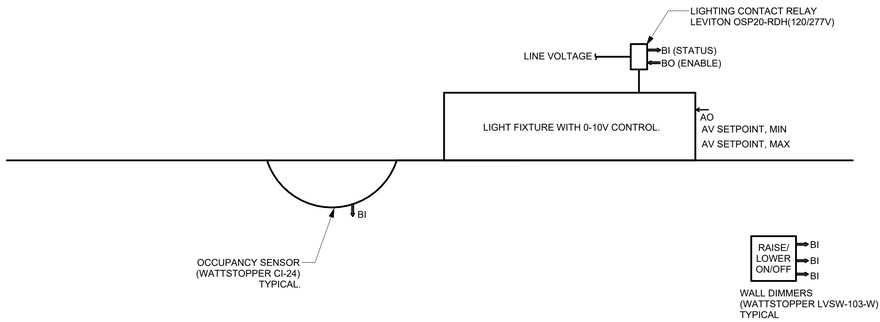
DURING SCHEDULED OCCUPIED HOURS, THE FAN SHALL BE ENERGIZED AND RUN CONTINUOUSLY UPON A START COMMAND. DURING SCHEDULED UNOCCUPIED HOURS THE FAN SHALL BE DISABLED.

SPEED CONTROL

THE FAN SHALL OPERATE AT CONSTANT SPEED WHENEVER THE SYSTEM IS INDEXED TO OPERATE.

GENERAL NOTES:

A. PROVIDE ONE LIGHTING CONTACT RELAY FOR EACH LIGHT FIXTURE FUNCTION. MULTIPLE FIXTURES IN THE SAME ZONE MAY BE COMBINED ON A SINGLE CONTACT RELAY TO 80% OF RELAY CAPACITY.
B. LIGHTING CONTROLS SHALL BE FURNISHED AND INSTALLED BY DIVISION 23 CONTRACTOR IN AREAS INDICATED ON PLANS OR IN SCHEDULES.



POINT SCHEDULE													
EQUIPMENT	HARDWARE POINTS				SOFTWARE POINTS							SHOWN ON GRAPHIC	NOTES
									ALARM				
	BI	BO	AI	AO	AV	BV	SCH	TREND	BACS	EMCS	DESCRIPTION		
OCCUPANCY SENSOR (TYPICAL)	X											X	REFER TO PLANS
WALL SWITCH (TYPICAL)	X			X								X	REFER TO PLANS
LIGHTING CONTACT RELAY (TYPICAL)	X											X	REFER TO PLANS
LIGHT FIXTURE			X									X	REFER TO PLANS

2 LIGHTING CONTROL SCHEMATIC AND SYSTEM SUMMARY

SCALE: NOT TO SCALE

SEQUENCE OF OPERATION

SYSTEM DESCRIPTION

CORRIDOR LIGHT FIXTURES

GENERAL

SYSTEM SHALL BE CONTROLLED THROUGH THE BUILDING AUTOMATION AND CONTROL SYSTEM (BACS).

ALL SETPOINTS SHALL BE ADJUSTABLE.

THE BACS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES PER WEEK.

THE BACS SHALL BE CAPABLE OF RETAINING ITS PROGRAMMING AND TIME SETTING DURING A LOSS OF POWER FOR AT LEAST TEN HOURS.

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

LIGHTING CONTROL

UNOCCUPIED: WHEN THE SPACE HAS BEEN UNOCCUPIED FOR 'X' NUMBER OF MINUTES, OCCUPANCY SENSORS SEND SIGNAL TO BACS THAT SPACE IS UNOCCUPIED. BACS SENDS SIGNAL TO LIGHTING CONTACT RELAY TO TURN LIGHTS OFF.

OCCUPIED: WHEN THE SPACE IS OCCUPIED, OCCUPANCY SENSORS SHALL SEND SIGNAL TO BACS TO INDICATE SPACE OCCUPANCY. LIGHTS WILL REMAIN OFF UNTIL THE MOMENTARY LIGHT SWITCH IS INDEXED ON. AN ADJUSTABLE SOFTWARE SWITCH WILL ALLOW THE OCCUPANCY SENSORS TO TURN THE LIGHTS ON DIRECTLY WITHOUT SWITCH INTERACTION. LIGHTS SHALL BE CONTROLLED VIA LIGHTING CONTACT RELAY.

SEQUENCE OF OPERATION

POINT SCHEDULE													
EQUIPMENT	HARDWARE POINTS				SOFTWARE POINTS							SHOWN ON GRAPHIC	NOTES
									ALARM				
	BI	BO	AI	AO	AV	BV	SCH	TREND	BACS	EMCS	DESCRIPTION		
FIRE / SMOKE DAMPER OPEN STATUS	X							X	X	X		X	REFER TO PLANS
FIRE / SMOKE DAMPER CLOSED STATUS	X							X	X	X	CLOSED	X	REFER TO PLANS

3 FIRE / SMOKE DAMPER CONTROL SCHEMATIC AND SYSTEM SUMMARY

SCALE: NOT TO SCALE

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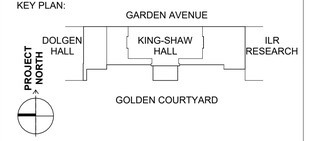


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

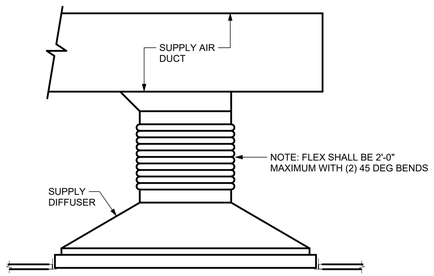
140 Garden Ave, Ithaca, NY 14853

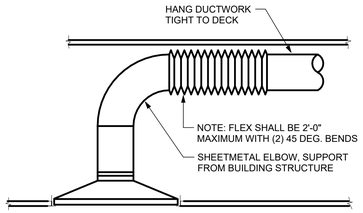
DRAWING TITLE:

CONTROL SCHEMATICS AND SYSTEM SUMMARIES

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NOT TO SCALE**

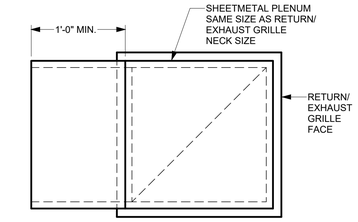
M-302

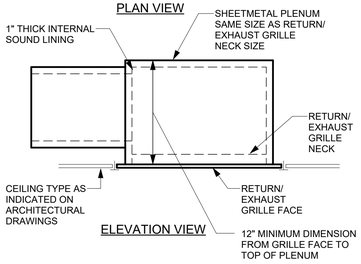




1 SUPPLY DIFFUSER

SCALE: NOT TO SCALE





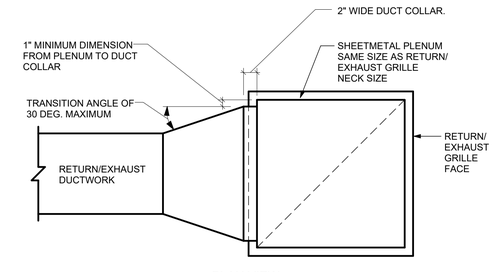
DETAIL NOTES:

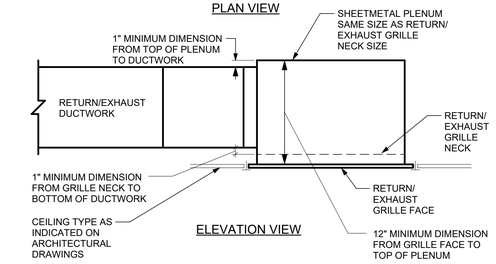
A. PAINT INSIDE OF PLENUM BOX FLAT BLACK IF INTERNAL SOUND LINING IS NOT SPECIFIED.

B. ALSO APPLICABLE TO REGISTERS.

2 RETURN GRILLE - NON DUCTED

SCALE: NOT TO SCALE





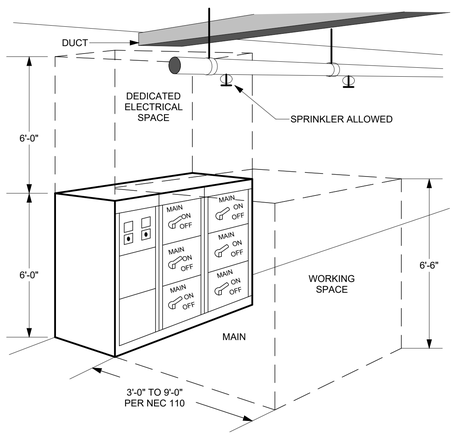
DETAIL NOTES:

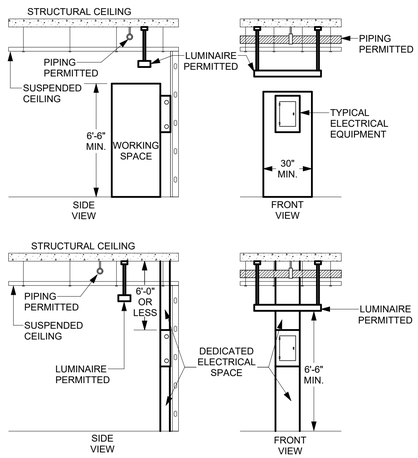
A. PAINT INSIDE OF PLENUM BOX FLAT BLACK IF INTERNAL SOUND LINING IS NOT SPECIFIED.

B. ALSO APPLICABLE TO REGISTERS.

3 RETURN GRILL - DUCTED

SCALE: NOT TO SCALE





DETAIL NOTES:

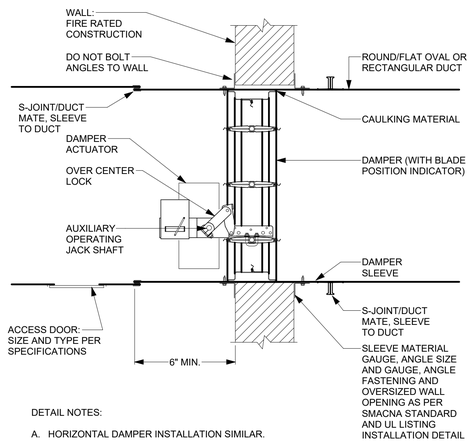
A. ELECTRICAL EQUIPMENT INCLUDES PANELS, TRANSFORMERS, DISCONNECTS, STARTERS, MOTOR CONTROL CENTERS, SWITCHGEAR, ADJUSTABKE SPEED DRIVES, AND FUSED SWITCHES (THIS ALSO APPLIES TO ELECTRICAL GEAR MOUNTED DIRECTLY ON MECHANICAL EQUIPMENT).

B. DEDICATED ELECTRICAL SPACE IS DEFINED BY NEC 110.

C. NO PIPING OR DUCTWORK MAY BE INSTALLED IN DEDICATED ELECTRICAL SPACE OR WORKING SPACE.

4 PIPING OVER ELECTRICAL EQUIPMENT

SCALE: NOT TO SCALE



DETAIL NOTES:

A. HORIZONTAL DAMPER INSTALLATION SIMILAR.

B. FOR DOUBLE WALL DUCT, USE INSULATION END CAP, INSULATE SLEEVE.

C. FOR COMBINATION FIRE/SMOKE DAMPERS TO BE PROVIDED IN EXISTING OR NEW DUCTS PENETRATING EXISTING WALLS, THIS CONTRACTOR IS REQUIRED TO REFRAME AND RECONSTRUCT THE EXISTING WALL PENETRATION AND FRAMING AS PER SMACNA FIRE DAMPER OPENING PROTOCOL DETAIL FIG. 3-1 (FIRE DAMPER GUIDE) AS WELL AS MANUFACTURER AND UL LISTING INSTALLATION DETAIL.

D. COORDINATE LOCATION OF REMOTE TEST SWITCH WITH DUCT SMOKE DETECTOR TEST STATION.

5 COMBINATION FIRE/SMOKE DAMPER INSTALLATION DETAIL

SCALE: NOT TO SCALE

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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SEAL:

STATE OF NEW YORK · GARRETT DANIEL DOKLS · 094525 · LICENSED PROFESSIONAL ENGINEER

Reg. Exp: 04/30/2026
Cert. of Auth: 0018443

ISSUE/REVISION:

NO.	DATE	COMMENTS

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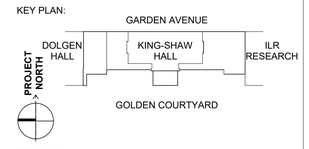
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

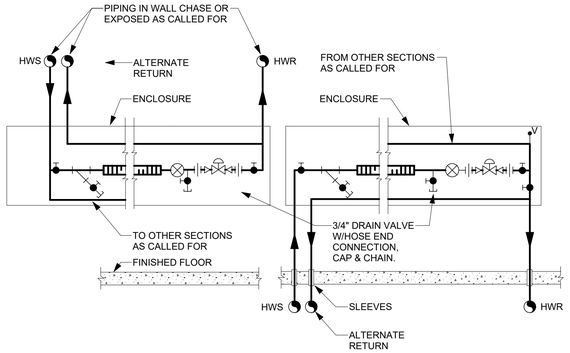
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DETAILS - HVAC

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NOT TO SCALE**

M-400

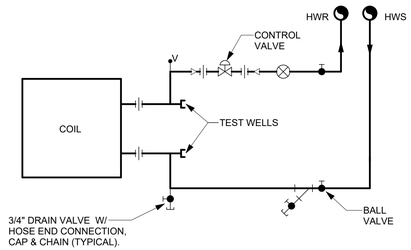


DETAIL NOTES:

A. THE FOLLOWING ARE NOT ALLOWED: DIELECTRIC UNIONS, AUTOMATIC FLOW CONTROL VALVES, COMBINATION DEVICES OR PRE-PIPED COIL FIT OUT KITS.

1 HOT WATER FIN RADIATION

SCALE: NOT TO SCALE



DETAIL NOTES:

A. ARRANGE PIPING FOR REMOVAL OF COIL WITHOUT DISTURBING PIPING AHEAD OF UNIONS.

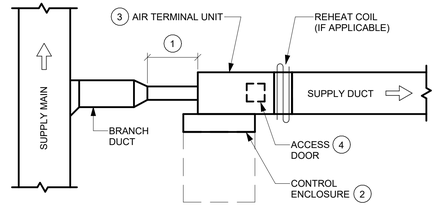
B. PROVIDE DUCT ACCESS DOOR UPSTREAM OF COIL.

C. PIPE COIL FOR COUNTERFLOW ARRANGEMENT IF COIL IS MORE THEN ONE ROW. HOT WATER SUPPLY CONNECTION SHALL BE ON THE DISCHARGE AIR SIDE OF THE COIL.

D. THE FOLLOWING ARE NOT ALLOWED: DIELECTRIC UNIONS, AUTOMATIC FLOW CONTROL VALVES, COMBINATION DEVICES OR PRE-PIPED COIL FIT OUT KITS.

2 TERMINAL HOT WATER REHEAT

SCALE: NOT TO SCALE



KEYED NOTES:

1. RIGID STRAIGHT DUCTWORK UPSTREAM OF THE TERMINAL UNIT SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF INLET. NOT TO EXCEED 5'-0" TOTAL IN LENGTH.
2. MAINTAIN MINIMUM 1'-6" SERVICE CLEARANCE IN FRONT OF ENCLOSURE TO ALLOW FOR SERVICE/ACCESS.
3. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION VAPOR BARRIER AS SPECIFIED.
4. ACCESS DOOR TO BE LOCATED AT THE BOTTOM OF THE UNIT. CONTRACTOR TO COORDINATE COIL AND CONTROL ENCLOSURE HANDING. ROTATING UNIT IN FIELD SUCH THAT ACCESS DOOR IS ON TOP OF UNIT IS NOT ACCEPTABLE.

3 VAV BOX DETAIL

SCALE: NOT TO SCALE

OWNER PROJECT NUMBER
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SEAL:

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Reg. Exp: 04/30/2026
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ISSUE/REVISION:

NO.	DATE	COMMENTS

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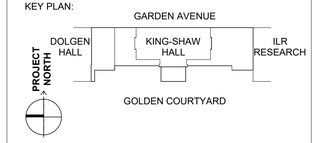
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DETAILS - HVAC

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NOT TO SCALE**

M-401

REGISTER GRILLE AND DIFFUSER SCHEDULE

TYPE	APPLICATION	MATERIAL	FINISH	MANUFACTURER & MODEL NO.	REMARKS
1	SUPPLY	STEEL	WHITE	TITUS OMNI	
2	SUPPLY	ALUMINUM	CUSTOM	TITUS FL-10	1,3
A	RETURN/EXHAUST	STEEL	WHITE	TITUS 355 RL	
B	RETURN/EXHAUST	ALUMINIUM	CUSTOM	TITUS FL-10	2,3

REMARKS:
1. PROVIDE WITH FACTORY INSULATED PLENUM
2. PROVIDE WITH FACTORY PLENUM

RADIATION SCHEDULE - HOT WATER

UNIT TYPE	CAPACITY (BTUH/LF)	AVERAGE WATER TEMP. (DEG. F)	FLOW RATE (GPM)	ENT. AIR TEMP. (DEG. F)	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	FLUID	HEATING ELEMENT					ENCLOSURE			MANUFACTURER & MODEL No.
								TUBE SIZE (In.)	FIN SIZE (In.)	TIERS	FINS/ FT.	MIN. WATER VELOCITY (FT/SEC.)	HEIGHT (In.)	WIDTH (In.)	MOUNTING HEIGHT TO TOP	
FT-1	595	120	5	65	130	110	WATER	3/4	3-5/8 x 4-1/4	2	50	3	18	5-5/16	22	STERLING GSBF-18P
FT-2	569	120	5	65	130	110	WATER	3/4	2-3/4 x 3-3/4	2	50	3	NA	NA	NA	STERLING BARE

REMARKS:
1. ENCLOSURE REPLACEMENT SHALL MATCH THIS MODEL NUMBER.

FAN SCHEDULE

UNIT NO.	LOCATION	SERVICE	FAN CHARACTERISTICS									MOTOR CHARACTERISTICS						MANUFACTURER & MODEL NO.	REMARKS
			TYPE	BLADE TYPE	CFM	S.P. (In. WC)	MAX. BHP	FAN RPM	MAX. TIP SPEED (RPM)	MAX. OUTLET VELOCITY (FPM)	SONES	DRIVE	RPM	HP	VOLTS	HZ	PHASE	STARTER		
EF-3CC	ROOF	PREP 233	DOWNBLAST	BI	600	0.75	0.14	1,430	4,188	625	6.5	DIRECT	1,725	1/4	115	60	1	BY EC	GREENHECK G-099-VG	1,2,3

REMARKS:
1. CURB ADAPTER KIT.
2. 0-10 VDC SPEED CONTROL.
3. EC MOTOR (ELECTRONICALLY COMMUTATED)

VAV - SINGLE DUCT - AIR TERMINAL UNIT SCHEDULE - HOT WATER REHEAT

UNIT NO.	SERVICE	MAX AIR FLOW (CFM)	MIN AIR FLOW (CFM)	MIN INLET PRESS AT MAX CFM (In. WC)	INLET SIZE (In.)	RAD N.C. AT 1" S.P.	DISCH N.C. AT 1" S.P.	REHEAT COIL										FLUID	MANUFACTURER & MODEL NO.	REMARKS
								CAPACITY (MBH)	AIR SIDE				WATER SIDE							
									HEATING AIR FLOW (CFM)	ENT. AIR TEMP (DEG. F)	LVG. AIR TEMP (DEG. F)	AIR P.D. (In. WC)	WATER FLOW (GPM)	WATER P.D. (Ft. HD)	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	FPI	ROWS DEEP			
VAV-2-2	OFFICE 225D	175	50	1	05	12	25	1.9	50	55	90	0.03	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-2-5	OFFICE 225C	150	50	1	05	10	24	1.9	50	55	90	0.02	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-2-7	OFFICE 225B	150	50	1	05	10	24	1.9	50	55	90	0.02	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-2-10	OFFICE 225G	150	50	1	05	10	24	1.9	50	55	90	0.02	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-2-11	OFFICE 228	150	50	1	05	10	24	1.9	50	55	90	0.02	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-2-12	CAFE 231	1450	725	1	14	15	23	32.6	725	55	96.5	0.26	2.3	0.24	130	101.1	10	3	WATER	TITUS DESV	1,2
VAV-2-13	MEETING ROOM 225H	150	75	1	05	10	24	3.7	75	55	100.3	0.04	0.9	0.16	130	121.9	10	2	WATER	TITUS DESV	1,2
VAV-2-14	ARCADE	1820	550	1	14	18	25	21.2	550	55	90.6	0.28	1.8	0.22	130	106.5	12	2	WATER	TITUS DESV	1,2
VAV-2-16	PREP ROOM 233	1000	300	1	14	14	23	11.4	300	55	90	0.05	3.2	0.55	130	122.8	12	1	WATER	TITUS DESV	1,2
VAV-2-17	OFFICE 226	150	50	1	05	10	24	1.9	50	55	90	0.02	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-2-18	OFFICE 229	150	50	1	05	10	24	1.9	50	55	90	0.02	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-2-19	PANTRY 225K & RECEPTION 225J	350	125	1	06	17	25	5.1	125	55	92.2	0.02	0.9	0.23	130	118.8	10	2	WATER	TITUS DESV	1,2
VAV-3-1	OFFICE 321B	350	200	1	06	17	25	7.6	200	55	90	0.18	1.2	0.23	130	116.8	12	2	WATER	TITUS DESV	
VAV-3-2	OFFICE 321C	250	100	1	06	14	22	4.4	100	55	95.8	0.09	0.9	0.16	130	120.2	10	2	WATER	TITUS DESV	1,2
VAV-3-3	ADMIN 321	180	50	1	05	12	27	1.9	50	55	90	0.03	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-3-5	DIRECTOR'S OFFICE 321A	400	215	1	06	18	27	8.2	215	55	90	0.22	1.3	0.26	130	117.3	12	2	WATER	TITUS DESV	1,2
VAV-3-6	TOUCHDOWN 323A	150	150	1	05	10	24	5.7	150	55	90	0.04	1	0.18	130	118.3	10	2	WATER	TITUS DESV	1,2
VAV-3-7	VEST. 323	100	50	1	04	10	25	1.9	50	55	90	0.01	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-3-8	LOUNGE 300	500	170	1	09	13	23	7.8	170	55	97.3	0.1	1.4	0.22	130	118.5	10	2	WATER	TITUS DESV	1,2
VAV-3-9	OFFICE 329D	300	150	1	06	15	24	5.7	150	55	90	0.12	1	0.18	130	118.3	10	2	WATER	TITUS DESV	1,2
VAV-3-10	OFFICE 325C	150	120	1	05	10	24	4.9	120	55	92.9	0.04	0.9	0.16	130	119.1	10	2	WATER	TITUS DESV	1,2
VAV-3-11	CONFERENCE ROOM 325B	220	120	1	06	13	20	4.9	120	55	92.9	0.07	0.9	0.16	130	119.1	10	2	WATER	TITUS DESV	1,2
VAV-3-12	OFFICE 325A	175	120	1	05	12	25	4.9	120	55	92.9	0.05	0.9	0.16	130	119.1	10	2	WATER	TITUS DESV	1,2
VAV-3-13	PHONEBOOTH 326	250	90	1	06	14	22	4.1	90	55	97.4	0.09	0.9	0.16	130	120.8	10	2	WATER	TITUS DESV	1,2
VAV-3-14	OFFICE 329A	250	110	1	06	14	22	4.7	110	55	94.3	0.09	0.9	0.16	130	119.6	10	2	WATER	TITUS DESV	1,2
VAV-3-15	OFFICE 329B	250	150	1	06	14	22	5.7	150	55	90	0.09	1	0.18	130	118.3	10	2	WATER	TITUS DESV	1,2
VAV-3-16	OFFICE 329C	150	90	1	05	10	24	4.1	90	55	97.4	0.04	0.9	0.16	130	120.8	10	2	WATER	TITUS DESV	1,2
VAV-3-17	ADMIN 329	200	75	1	06	13	20	3.7	75	55	100.3	0.06	0.9	0.16	130	121.9	10	2	WATER	TITUS DESV	1,2
VAV-3-18	OFFICE 329E	260	50	1	06	15	23	1.9	50	55	90	0.05	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
										55											
VAV-4-1	EXECUTIVE ASSISTANT 421	150	50	1	05	10	24	1.9	50	55	90	0.02	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-4-2	PANTRY 426	200	120	1	06	13	20	4.9	120	55	92.9	0.07	0.9	0.16	130	119.1	10	2	WATER	TITUS DESV	1,2
VAV-4-3	DEAN OFFICE 421A	600	260	1	12	14	25	11.1	260	55	94.4	0.08	1.4	0.25	130	113.6	10	2	WATER	TITUS DESV	1,2
VAV-4-4	TOUCHDOWN 423A	450	190	1	09	11	22	8.4	190	55	95.5	0.08	1.4	0.22	130	117.7	10	2	WATER	TITUS DESV	1,2
VAV-4-5	OFFICE 424A	250	90	1	06	14	22	4.1	90	55	97.4	0.09	0.9	0.16	130	120.8	10	2	WATER	TITUS DESV	1,2
VAV-4-14	OFFICE 424A	100	50	1	04	10	25	1.9	50	55	90	0.01	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-4-15	OFFICE 424B	250	90	1	06	14	22	4.1	90	55	97.4	0.09	0.9	0.16	130	120.8	10	2	WATER	TITUS DESV	1,2
VAV-4-16	LOUNGE 423	350	125	1	06	17	25	5.1	125	55	92.2	0.02	0.9	0.23	130	118.8	10	2	WATER	TITUS DESV	1,2
VAV-4-17	CONFERENCE ROOM 425	990	240	1	14	14	23	9.1	240	55	90	0.05	1.6	0.19	130	118.8	12	1	WATER	TITUS DESV	1,2
VAV-4-18	OFFICE 429A	380	180	1	06	17	24	6.8	180	55	90	0.16	1	0.18	130	116	12	2	WATER	TITUS DESV	1,2
VAV-4-19	OFFICE 429	100	50	1	04	10	25	1.9	50	55	90	0.01	0.6	0.23	130	123.5	10	1	WATER	TITUS DESV	1,2
VAV-4-20	OFFICE 429C	330	180	1	06	17	24	6.8	180	55	90	0.16	1	0.18	130	116	12	2	WATER	TITUS DESV	1,2
VAV-4-21	OFFICE 429B	400	90	1	09	10	20	3.8	90	55	93.9	0.03	0.9	0.14	130	121.6	12	1	WATER	TITUS DESV	1,2
VAV-4-22	CONFERENCE 421B	500	250	1	09	13	23	9.8	250	55	91	0.1	1.4	0.22	130	115.6	10	2	WATER	TITUS DESV	1,2
VAV-5-1	MULTIPURPOSE ROOM 525	1300	750	1	14	15	24	28.5	750	55	90	0.17	2.8	0.42	130	109	2	12	WATER	TITUS DESV	1,2
VAV-5-2	MULTIPURPOSE ROOM 525	1300	750	1	14	15	24	28.5	750	55	90	0.17	2.8	0.42	130	109	2	12	WATER	TITUS DESV	1,2

REMARKS:
1. FIBER FREE LINER.
2. INTEGRAL 3' SOUND ATTENUATOR.

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NO.	DATE	COMMENTS

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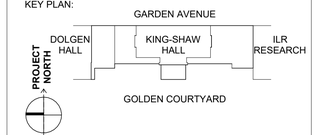
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING SHAW

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

SCHEDULES - HVAC

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

M-500

FIXTURE AND EQUIPMENT CONNECTION SCHEDULE

DESIGNATION	DESCRIPTION	COLD WATER	HOT WATER	WASTE OR SANITARY	VENT	REMARKS
SK-A	SINK	1/2"	1/2"	1 1/2"	1 1/2"	PROVIDE COFFEE MAKER CONNECTION
MB-A	MOP BASIN	3/4"	3/4"	3"	1 1/2"	
EWC-A	WATER COOLER	1/2"	-	1 1/2"	1 1/2"	

PUMP SCHEDULE

NO.	LOCATION	SERVICE	GPM	HEAD FT WATER	MOTOR HP	MOTOR VOLTAGE	MOTOR PHASE	TYPE	DESIGN MAKE
SE-1	PREP ROOM 233	SANITARY	50	108	(2)	208	1	SUBMERSIBLE	LIBERTY PUMPS EPS116163

GENERAL NOTES:

A. THESE NOTES ARE APPLICABLE TO THE FULL SET OF CONTRACT DOCUMENTS.

B. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE. THE LOCATIONS SHOWN MUST BE CONSIDERED APPROXIMATE. OTHER SUCH WORK MAY EXIST, HOWEVER, LOCATION AND SIZE ARE NOT PRESENTLY KNOWN. IT IS STRONGLY ENCOURAGED TO VISIT SITE PRIOR TO BID TO REVIEW EXISTING CONDITIONS AND CONFIRM SCOPE OF WORK.

C. WHEN EXISTING CONSTRUCTION IS DAMAGED DURING WORK BY THIS CONTRACTOR, REPAIR AND/OR REPLACE WITH SIMILAR MATERIALS AS MUCH AS POSSIBLE, SUBJECT TO ARCHITECTS APPROVAL.

D. DISPOSE OF ALL DEMOLITION AND/OR OTHER WASTE MATERIALS CAUSED BY WORK OF THIS CONTRACTOR. LEGALLY DISPOSE ALL MATERIALS TO A LOCATION OFF SITE.

E. COORDINATE AND SCHEDULE WORK AND SHUTDOWNS WITH THE OWNER AND OTHER TRADES PRIOR TO DEMOLITION.

F. ALL EXISTING PIPING TO REMAIN SHALL BE RECONNECTED TO ACTIVE SERVICE PIPING.

G. ALL PIPING TO BE REMOVED, SHALL BE REMOVED BACK TO ACTIVE PIPING AND CAPPED. VALVE AND CAP ALL WATER PIPING. REMOVE ALL INACTIVE PIPING UNLESS NOTED.

H. ALL PIPING TO BE REMOVED AND LOCATED WITHIN A WALL TO REMAIN MAY BE ABANDONED IN PLACE UNLESS NOTED. REMOVE PIPING BACK TO BEHIND THE FINISHED WALL SURFACE AND CAP.

I. PATCH HOLES IN EXISTING CONSTRUCTION LEFT BY THE REMOVAL OF PIPING OR EQUIPMENT WITH MATERIALS TO MATCH EXISTING CONSTRUCTION. MAINTAIN FIRE/SMOKE RATING.

J. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO: PIPING, VALVES, FIXTURES, EQUIPMENT, HANGERS, SUPPORTS, AND INSULATION EXCEPT ASBESTOS.

K. REMOVE EXISTING CONSTRUCTION IN THE WAY OF NEW WORK. PROTECT BUILDING AND FURNISHINGS FROM DAMAGE.

L. WHERE NEW WORK IS TO BE INSTALLED ABOVE AN EXISTING CEILING, PROVIDE FOR THE REMOVAL OF THE CEILING. UPON COMPLETION OF WORK, REPAIR ALL DAMAGED CEILING SURFACES, REPLACE ALL DAMAGED TILES.

M. SLEEVE AND SEAL ALL WALL AND FLOOR PENETRATIONS. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS.

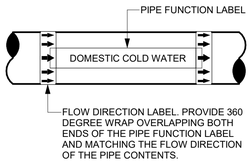
N. MAINTAIN SERVICE CLEARANCES OF ALL EQUIPMENT. ADVISE OTHER TRADES OF THE REQUIRED SERVICE CLEARANCES.

O. PROVIDE FOR THE DRAINING AND REFILLING OF PIPING SYSTEMS, INCLUDING AIR REMOVAL, RESETTING OF FLUSH VALVES, FLUSHING SYSTEMS OF DIRT AND SCALE CAUSED BY SHUTDOWNS AND STARTUPS.

P. REFER TO EQUIPMENT/ FIXTURE SCHEDULE FOR FINAL CONNECTION SIZES.

PLUMBING SYMBOL LIST

SYMBOL	DESCRIPTION
	WORK TO BE REMOVED
	POINT OF CONNECTION
	POINT OF DISCONNECTION
NTS	NOT TO SCALE
(E)	EXISTING
(ETR)	EXISTING TO REMAIN
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
VTR	VENT THRU ROOF
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
(E)	EXISTING PIPING
	NEW PIPING LOCATED ABOVE FLOOR/SLAB
(R)	PIPING TO BE REMOVED
	NEW PIPING LOCATED BELOW FLOOR/SLAB
•	COLD WATER PIPING (CW)
••	HOT WATER PIPING (HW)
•••	HOT WATER RECIRCULATING PIPING (HWR)
140 ••	140° HOT WATER PIPING (HW)
140 •••	140° HOT WATER RECIRCULATING PIPING (HWR)
TW	TEMPERED HOT WATER PIPING (TW)
W	WATER SERVICE - EXTERIOR
SAN	SANITARY SEWER PIPING
IW	INDIRECT WASTE PIPING (IW)
V	VENT PIPING (V)
ST	STORM WATER SEWER PIPING (ST)
ST(S)	SECONDARY STORM WATER SEWER PIPING (ST(S)
G	NATURAL GAS PIPING (G)
PD	PUMP DISCHARGE (PD)
RL	REFRIGERANT LIQUID (RL)
RS	REFRIGERANT SUCTION (RS)
	ELBOW DOWN
	45°OFFSET
	ELBOW UP
	BOTTOM/TEE CONNECTION
	TOP TEE CONNECTION
	"P" TRAP
	PIPE CONTINUATION
	CAP OR PLUG
	DECK PLATE CLEANOUT (DPCO)
	WALL PLATE CLEANOUT (WPCO)
	CLEANOUT (CO)
	FLOOR DRAIN (FD) / FLOOR SINK (FS)
	ROOF DRAIN
	WALL HYDRANT (WH) / HOSE BIBB (HB)
	STRAINER
M	WATER METER
	SHUT OFF VALVE
	BALANCING VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	PIPE ANCHOR
	PIPE GUIDE
	UNION
	BACKFLOW PREVENTER (BFP)
	SHOCK ABSORBER (SA)
	RECIRCULATION PUMP
	THERMOMETER
	PRESSURE GAUGE
T	TRAP PRIMER (TP)
X	DRAWING KEYNOTE
X	DEMOLITION/REMOVAL KEYNOTE
X / X	PIPE RISER CALLOUT



DETAIL NOTES:

A. PROVIDE A PIPE LABEL FOR EACH PIPE FUNCTION.

B. PROVIDE AT LEAST ONE LABEL ON EACH PIPE FOR EVERY ROOM THE PIPE PASSES THROUGH.

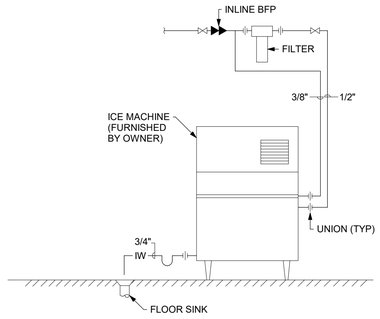
C. PROVIDE LABELS IN LARGE SPACES ON MAXIMUM 20' CENTERS FOR EVERY PIPE UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.

D. LABELS TO BE LOCATED IN AN EASILY VISIBLE LOCATION AS THEY WOULD NORMALLY BE SEEN. IE. ON THE BOTTOM HALF OF PIPES IN THE AIR AND ON THE TOP HALF OR SIDES OF PIPES MOUNTED LOW.

E. LABELS SHALL BE, COLOR CODED, PRE-PRINTED, SELF ADHESIVE VINYL.

F. SEE SPECIFICATION FOR OTHER REQUIREMENTS AND LIST OF PIPE FUNCTIONS.

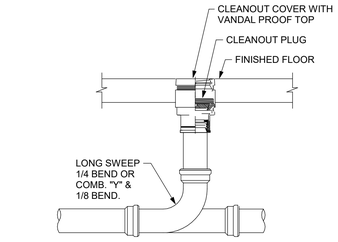
1 PIPING IDENTIFICATION LABEL DETAIL
SCALE: NOT TO SCALE



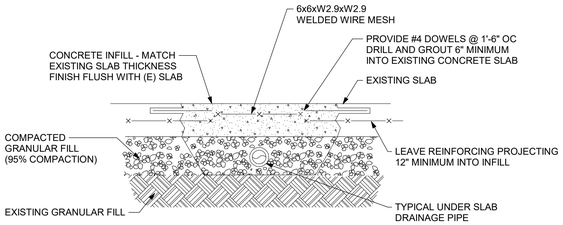
DETAIL NOTE:

A. PROVIDE DRAINS TO NEAREST FLOOR DRAIN/SINK FROM ICE MAKER SUMP, ICE BIN & BACKFLOW PREVENTER. TERMINATE PIPING AT 1" ABOVE DRAIN.

2 ICE MACHINE DETAIL
SCALE: NOT TO SCALE

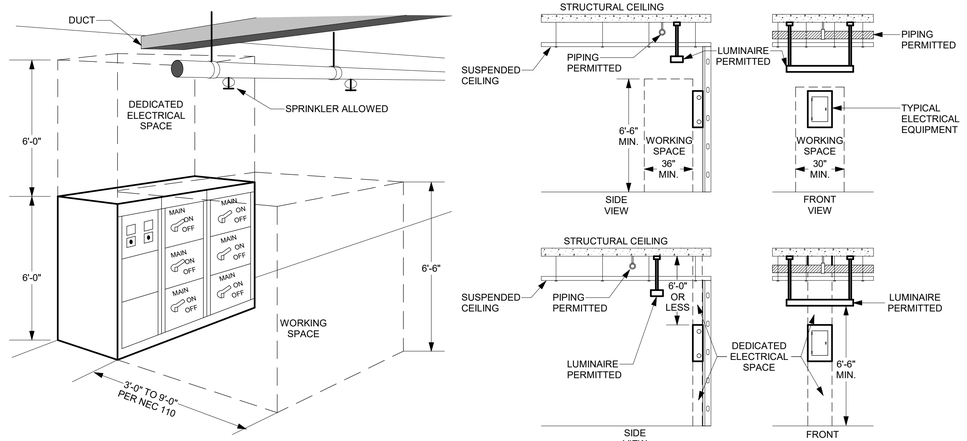


3 INTERIOR CLEANOUT DETAIL
SCALE: 1/8" = 1'-0"



CONCRETE:
4000 PSI AT 28 DAYS
DESIGN STANDARD
ACI 318 LATEST ADDITION

4 INFILL DETAIL
SCALE: NOT TO SCALE



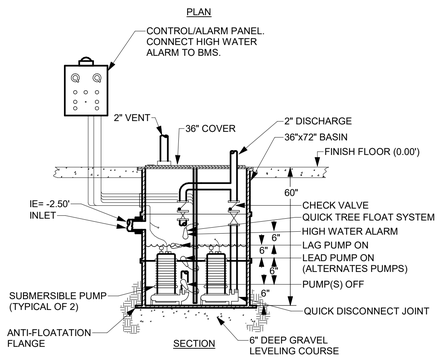
DETAIL NOTES:

A. ELECTRICAL EQUIPMENT INCLUDES PANELS, TRANSFORMERS, DISCONNECTS, STARTERS, MOTOR CONTROL CENTERS, SWITCHGEAR, ADJUSTABLE SPEED DRIVES, AND FUSED SWITCHES (THIS ALSO APPLIES TO ELECTRICAL GEAR MOUNTED DIRECTLY ON MECHANICAL EQUIPMENT).

B. DEDICATED ELECTRICAL SPACE IS DEFINED BY NEC 110.

C. NO PIPING OR DUCTWORK MAY BE INSTALLED IN DEDICATED ELECTRICAL SPACE OR WORKING SPACE.

5 PIPING OVER ELECTRICAL EQUIPMENT DETAIL
SCALE: NOT TO SCALE



DETAIL NOTE:

A. REFER TO FLOOR PLAN(S) FOR PIPE SIZES AND INVERT(S).
B. PROVIDE STAINLESS STEEL PULL CHAIN FOR EACH PUMP FOR REMOVAL.

6 DUPLEX SEWAGE EJECTOR DETAIL
SCALE: NOT TO SCALE

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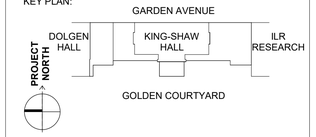


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

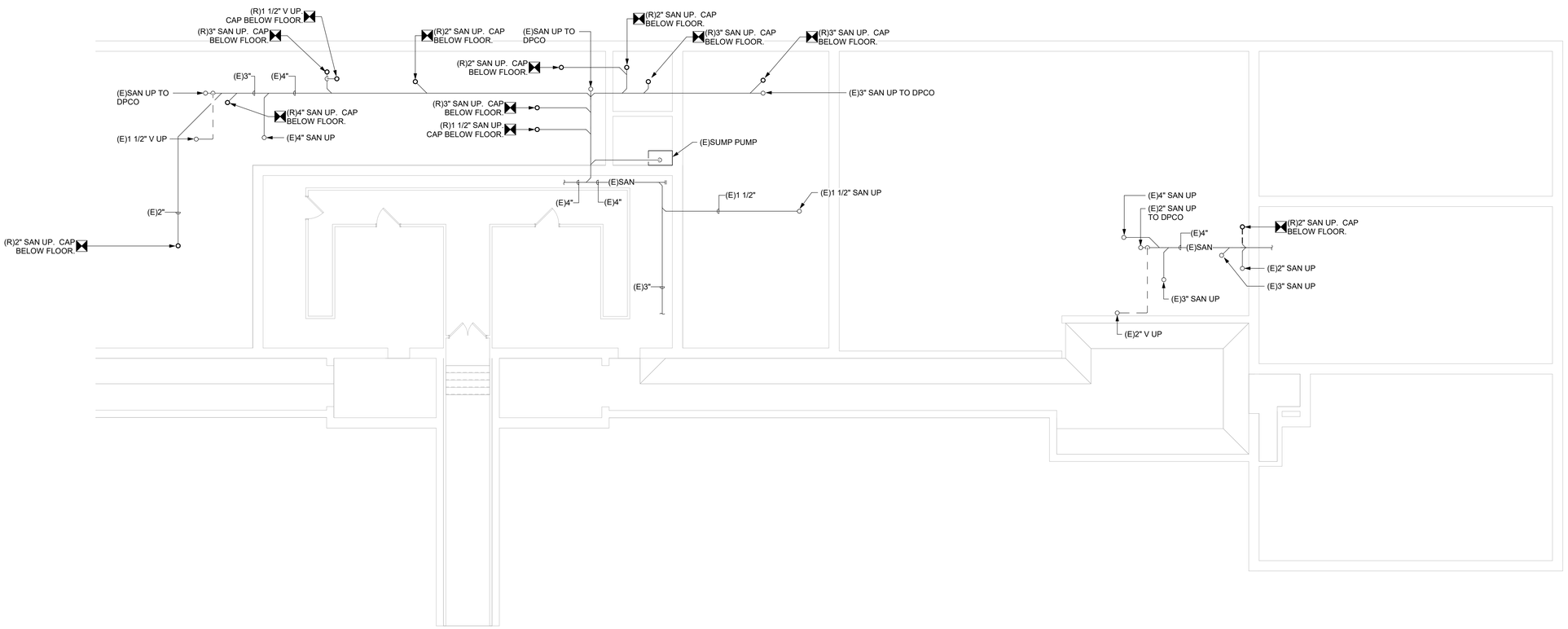
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

GENERAL NOTES, SYMBOLS LIST & SCHEDULES - PLUMBING

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: NOT TO SCALE**

P-000



1 BASEMENT PLAN - PLUMBING DEMOLITION

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

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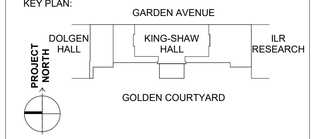


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

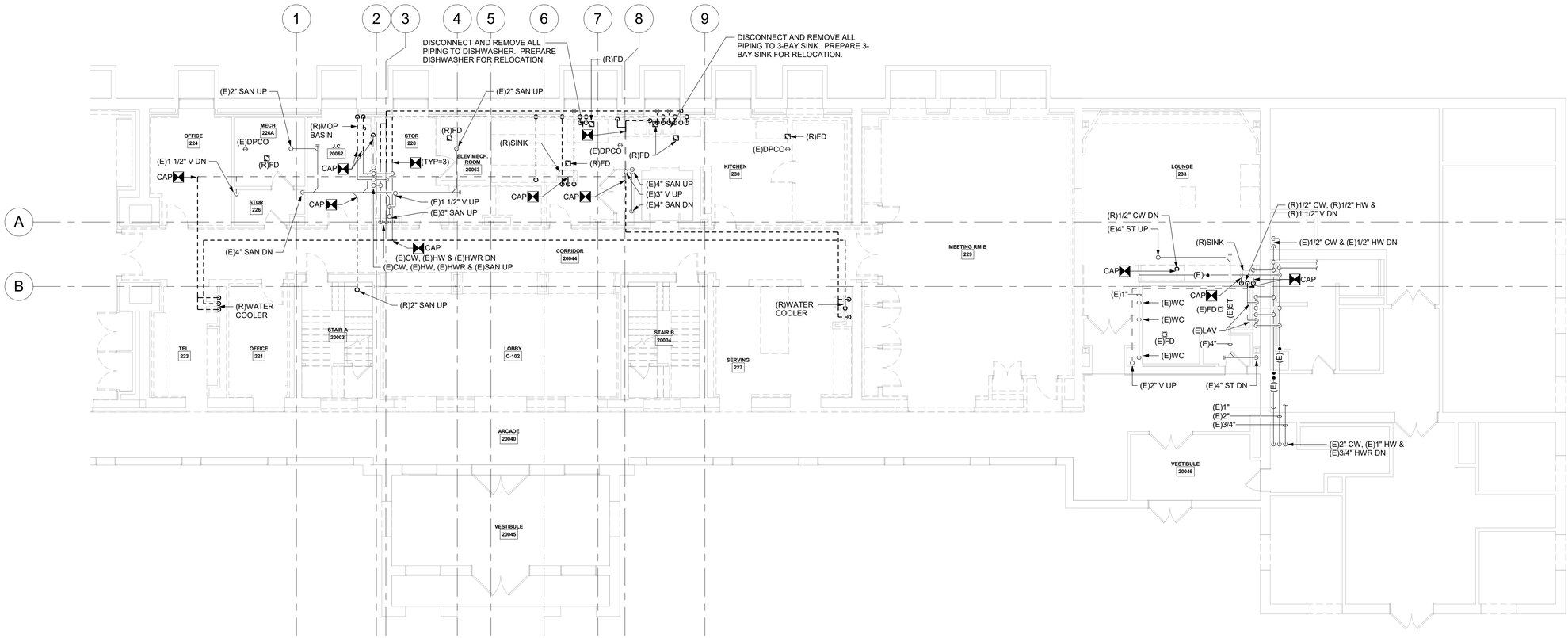
DRAWING TITLE:

DEMOLITION PLAN - BASEMENT - PLUMBING

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DP-100

☒ **DEMOLITION NOTES:**



1 SECOND FLOOR PLAN - PLUMBING DEMOLITION

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

OWNER PROJECT NUMBER
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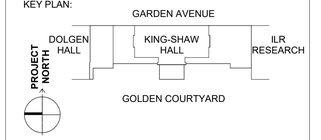


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

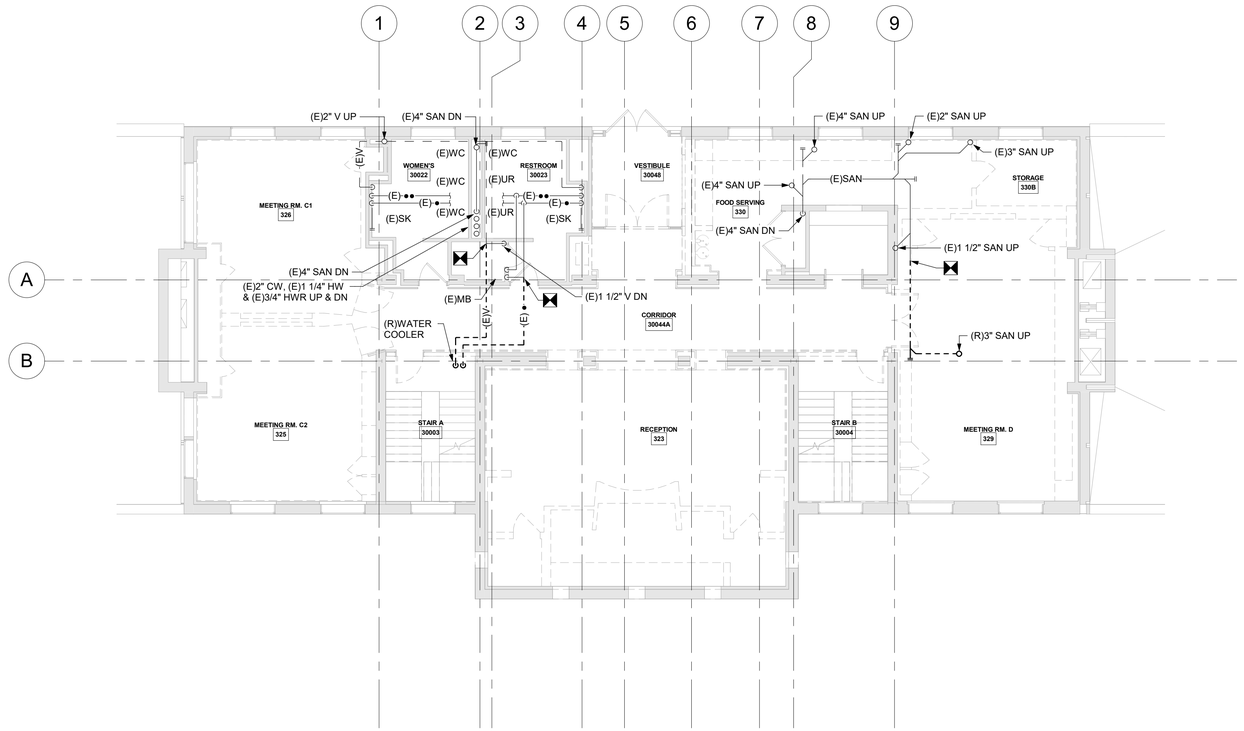
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - SECOND FLOOR - PLUMBING

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DP-101



1 THIRD FLOOR PLAN - PLUMBING DEMOLITION

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

OWNER PROJECT NUMBER
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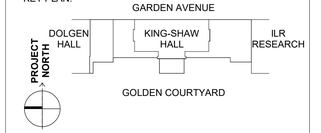


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

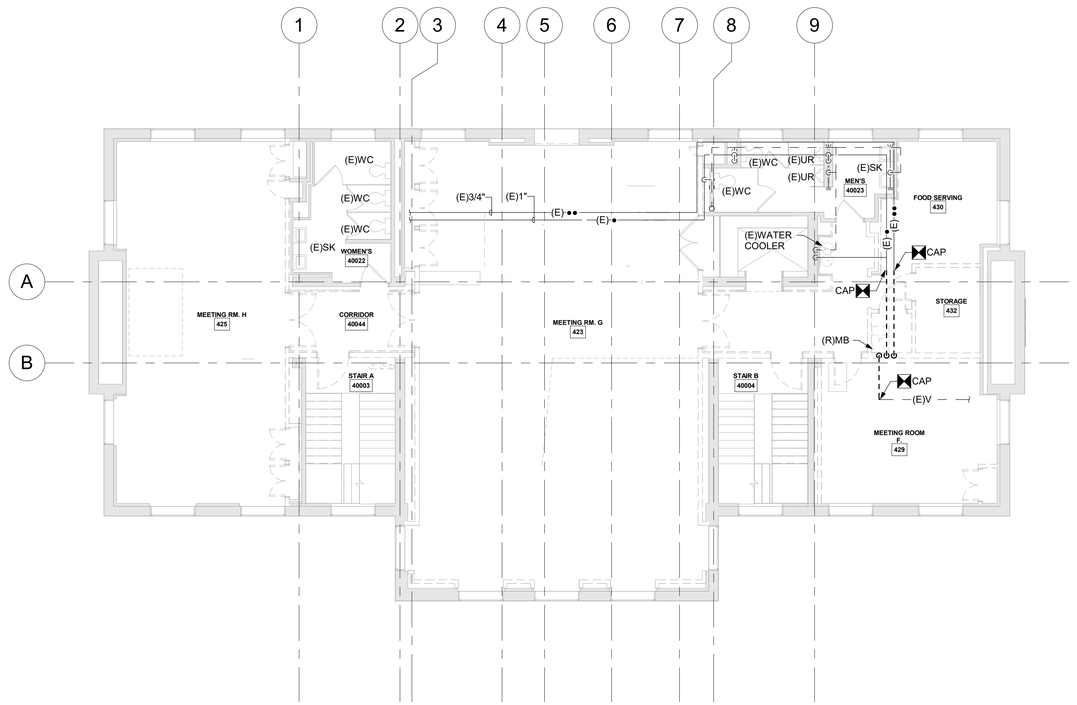
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - THIRD FLOOR - PLUMBING

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DP-102



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

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Ithaca, NY 14853

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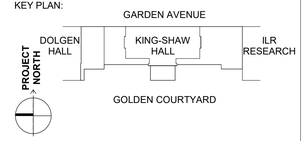
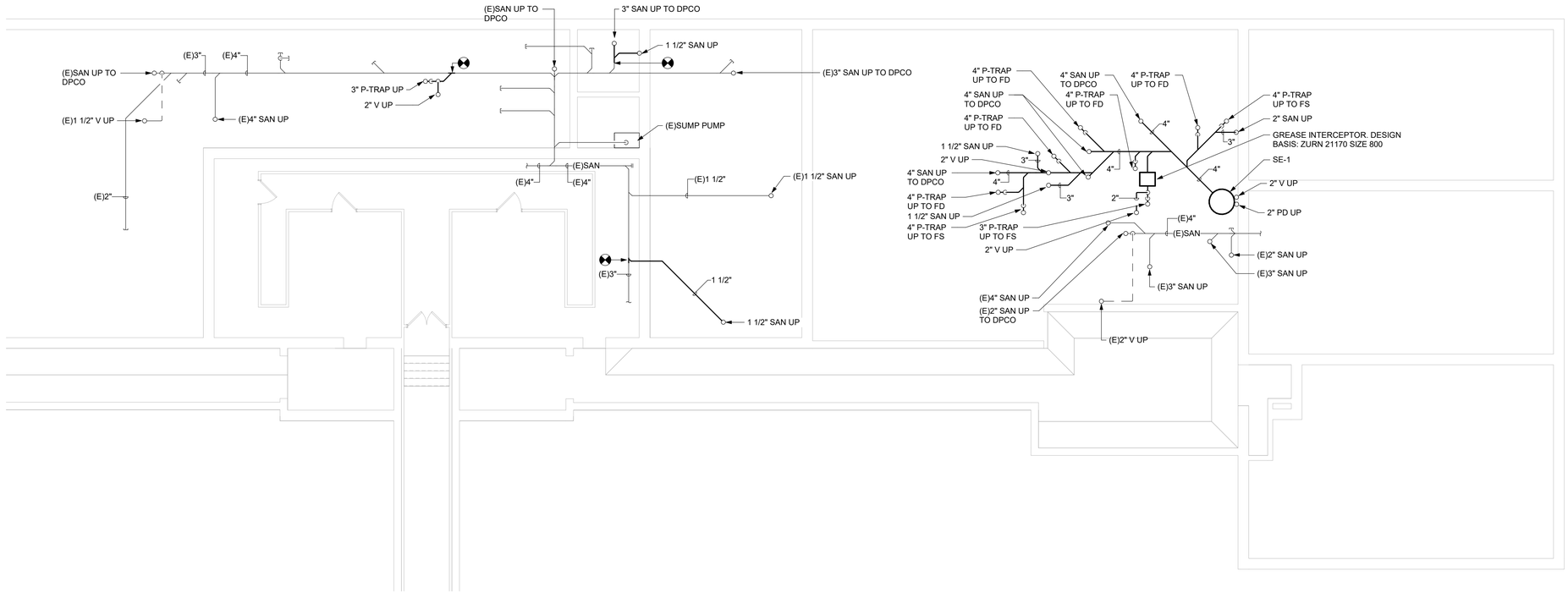


PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
DEMOLITION PLAN - FOURTH FLOOR - PLUMBING

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DP-103



1 BASEMENT PLAN - PLUMBING

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

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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Reg. Exp: 04/30/2026
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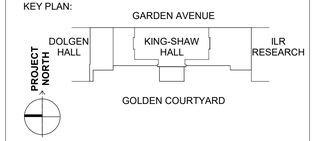
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

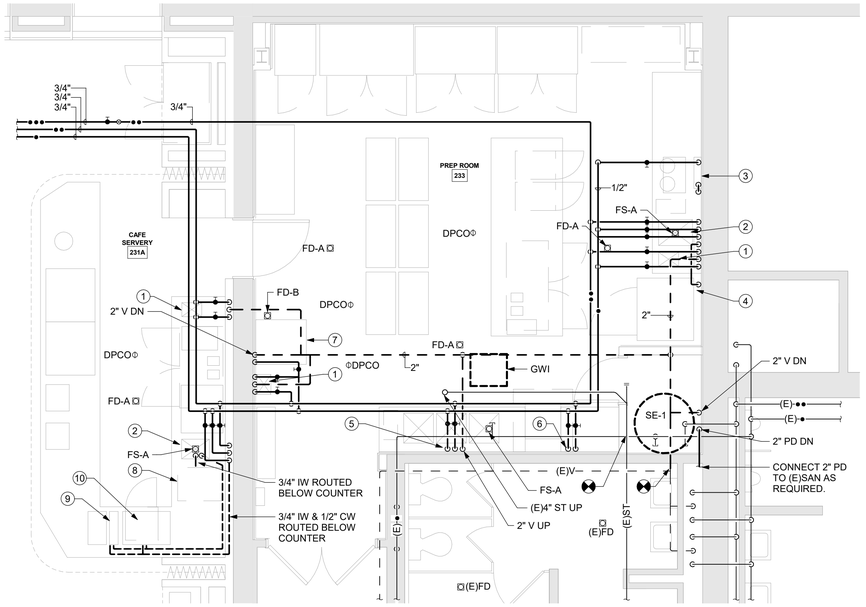
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - BASEMENT - PLUMBING

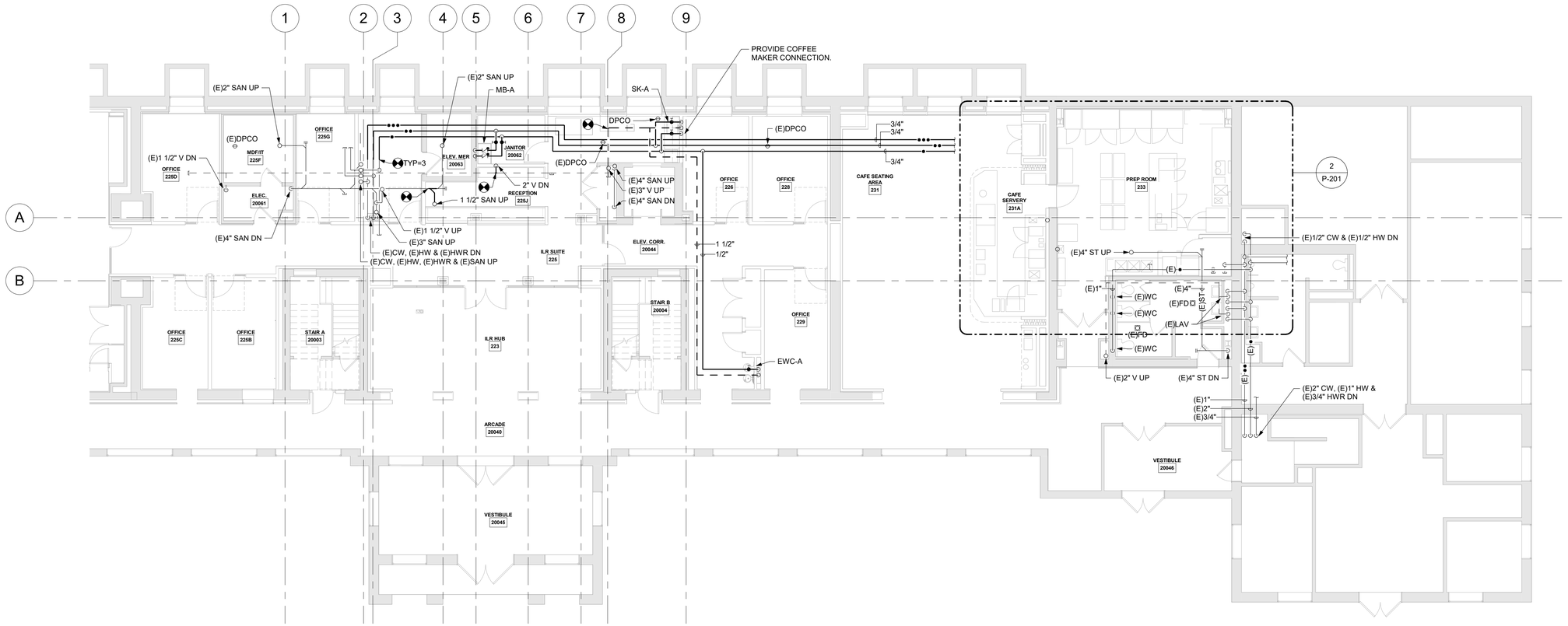
PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

P-200



2 ENLARGED SECOND FLOOR PLAN - PLUMBING

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



1 SECOND FLOOR PLAN - PLUMBING

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

ⓧ DRAWING NOTES:

1 PROVIDE 1/2" CW, 1/2" HW, 1 1/2" V & 1 1/2" SAN TO HAND SINK.
2 PROVIDE 1/2" CW & 1/2" HW TO PREP SINK. PROVIDE 1 1/2" IW CONNECTION TO FLOOR SINK WITH AIR GAP.
3 PROVIDE 1/2" CW CONNECTION FROM WATER FILTER TO COFFEE BREWER. PROVIDE 3/4" IW AND ROUTE TO FS-A BELOW UTILITY SINK. TERMINATE IW WITH AIR GAP.
4 PROVIDE 1/2" CW CONNECTION FROM WATER FILTER. PROVIDE 3/4" IW AND ROUTE TO FS-A BELOW UTILITY SINK. TERMINATE IW WITH AIR GAP.
5 PROVIDE 3/4" CW & 3/4" HW TO 3-BAY SINK. ROUTE 1 1/2" DRAIN TO FLOOR SINK AS REQUIRED.
6 PROVIDE 1/2" CW & 1/2" HW TO DISHWASHER. ROUTE 1 1/2" DRAIN TO FLOOR SINK AS REQUIRED.
7 ROUTE 1/2" CW TO ICE MACHINE. REFER TO DETAIL 2 ON P-000.
8 ROUTE 3/4" IW FROM ICE BIN TO FLOOR SINK. TERMINATE WITH AIR GAP.
9 ROUTE 1/2" CW BELOW COUNTER TO RINSER. PROVIDE 3/4" IW FROM RINSER TO FLOOR SINK. TERMINATE WITH AIR GAP.
10 ROUTE 1/2" CW BELOW COUNTER TO ESPRESSO MACHINE. PROVIDE 3/4" IW FROM ESPRESSO MACHINE TO FLOOR SINK. TERMINATE WITH AIR GAP.

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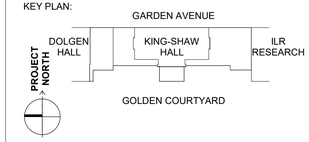


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

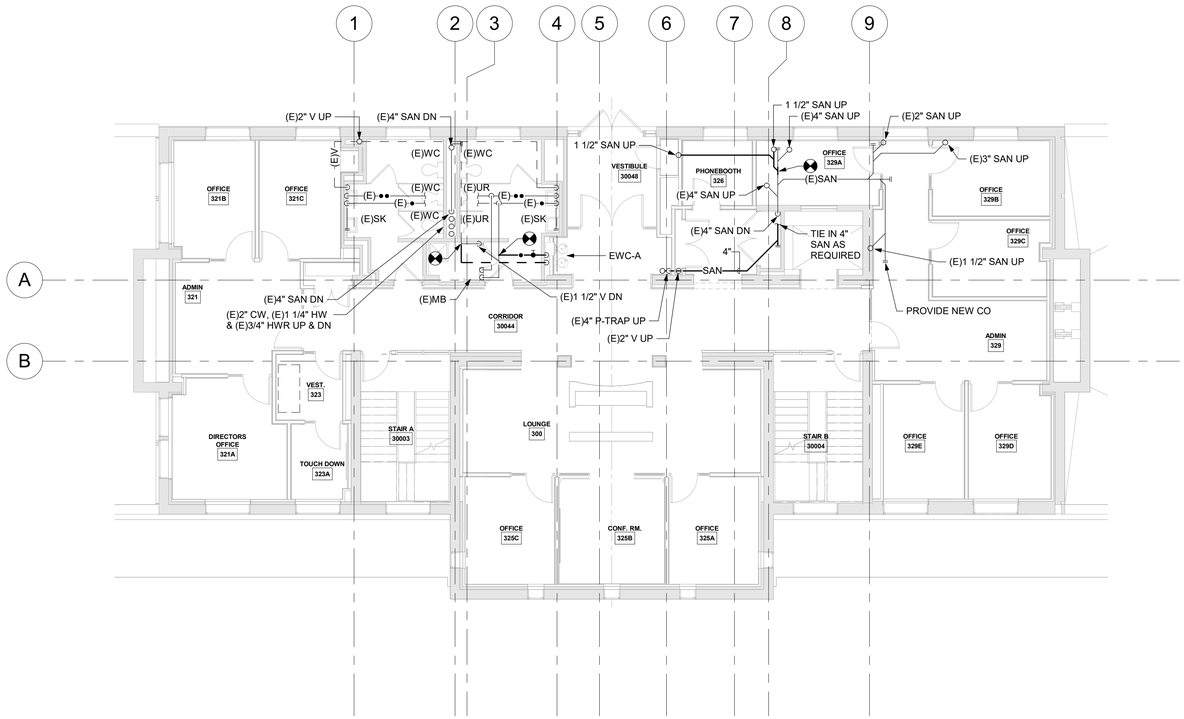
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - SECOND FLOOR - PLUMBING

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

P-201



1 THIRD FLOOR PLAN - PLUMBING

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

OWNER PROJECT NUMBER
Cornell University
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ARCHITECT:
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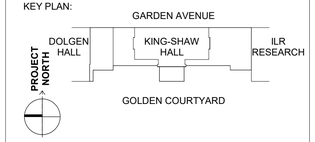

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - THIRD FLOOR - PLUMBING

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

P-202

1 FOURTH FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"

OWNER PROJECT NUMBER
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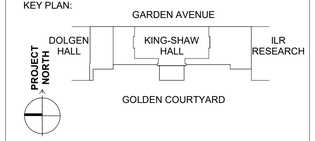
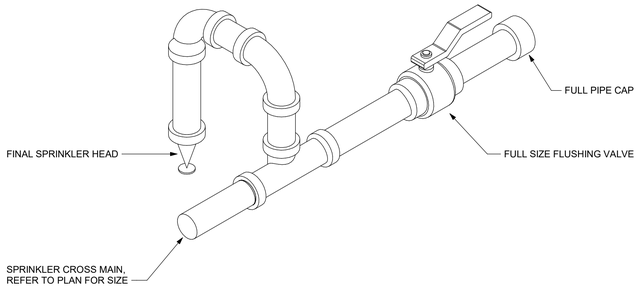


PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
FLOOR PLAN - FOURTH FLOOR - PLUMBING

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

P-203



4 SPRINKLER LINE FLUSHING DETAIL

SCALE: NOT TO SCALE

FLUSHING NOTES:

A. FLUSHING FULL-PORT BALL VALVES SHALL STILL BE PROVIDED ON UNDERGROUND MAINS (INSIDE THE BUILDING) AND ABOVE-GROUND MAINS, CROSS-MAINS, BRANCH LINES AND RUN OUTS OF NEW SPRINKLER SYSTEMS (WET AND DRY), TO FACILITATE ANY FUTURE PERIODIC INTERNAL INSPECTIONS, OBSTRUCTION INVESTIGATIONS AND AS-NEEDED FLUSHING WORK.

B. VALVES SHALL BE SIZED BY THE ENGINEER OF RECORD AND PER NFPA 25, IN ORDER TO OBTAIN THE NFPA REQUIRED MINIMUM VELOCITY OF 10 FT/S FOR ANY GIVEN PIPE SIZE. AS AN ALTERNATIVE TO THE HYDRAULIC CALCULATION VALVE SIZING METHOD, THE FOLLOWING SIZING RULES CAN BE APPLIED:

- 1-INCH THRU 2•-INCH PIPE: LINE-SIZE FULL-PORT BALL VALVE
- 3-INCH PIPE: ONE (1) 2•-INCH BALL VALVE
- 4-INCH PIPE: TWO (2) 2•-INCH BALL VALVES
- 6-INCH PIPE: THREE (3) 2• INCH BALL VALVES
- 8-INCH PIPE: FOUR (4) 2• INCH BALL VALVES

GENERAL NOTES:

A. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE. THE LOCATIONS SHOWN MUST BE CONSIDERED APPROXIMATE. OTHER SUCH WORK MAY EXIST, HOWEVER, LOCATION AND SIZE ARE NOT PRESENTLY KNOWN. VISIT SITE PRIOR TO BID TO REVIEW EXISTING CONDITIONS AND DETERMINE SCOPE OF WORK.

B. WHEN EXISTING CONSTRUCTION IS DAMAGED DURING WORK BY THIS CONTRACTOR, REPAIR AND/OR REPLACE WITH SIMILAR OR LIKE MATERIALS AS MUCH AS POSSIBLE, SUBJECT TO ARCHITECTS APPROVAL.

C. DISPOSE OF ALL DEMOLITION AND/OR OTHER WASTE MATERIALS CAUSED BY WORK OF THIS CONTRACTOR. LEGALLY DISPOSE ALL MATERIALS TO A LOCATION OFF SITE.

D. COORDINATE AND SCHEDULE WORK AND SHUTDOWNS WITH THE OWNER AND OTHER TRADES PRIOR TO DEMOLITION.

E. ALL EXISTING PIPING TO REMAIN SHALL BE RECONNECTED TO ACTIVE SERVICE PIPING.

F. ALL PIPING TO BE REMOVED, SHALL BE REMOVED BACK TO ACTIVE PIPING AND CAPPED. VALVE AND CAP ALL WATER PIPING. REMOVE ALL INACTIVE PIPING UNLESS NOTED.

G. ALL PIPING TO BE REMOVED AND LOCATED WITHIN A WALL TO REMAIN MAY BE ABANDONED IN PLACE UNLESS NOTED. REMOVE PIPING BACK TO BEHIND THE FINISHED WALL SURFACE AND CAP.

H. PLUG HOLES IN EXISTING CONSTRUCTION LEFT BY THE REMOVAL OF PIPING OR EQUIPMENT. MAINTAIN FIRE/SMOKE RATING.

I. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO: PIPING, VALVES, FIXTURES, EQUIPMENT, HANGERS, SUPPORTS, AND INSULATION EXCEPT ASBESTOS.

J. ALL SECURING AND ATTACHMENT POINTS TO EXISTING BUILDING STRUCTURE INCLUDING WALLS, CEILINGS, FLOORS, SLABS, DECKS, ETC. SHALL BE REVIEWED WITH CORNELL UNIVERSITY AND THE PROJECT ENVIRONMENTAL CONSULTANT PRIOR TO SECURING AND ATTACHING DEVICES AND EQUIPMENT. SOME BUILDING ELEMENTS MAY CONTAIN ASBESTOS AND ABATEMENT MAY BE REQUIRED. ABATEMENT SHALL BE PERFORMED BY SEPARATE CONTRACTOR WITH THE ASSISTANCE OF THIS CONTRACTOR FOR IDENTIFYING ATTACHMENT POINT LOCATIONS.

K. MIXING OF DEMOLITION AND CONSTRUCTION DEBRIS IN COMMON DUMPSTERS IS NOT ALLOWED. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE SEPARATED AND SORTED THEN PLACED IN THE DESIGNATED DUMPSTER FOR THAT SPECIFIC MATERIAL IN COMPLIANCE WITH PROJECT LEED CONSTRUCTION WASTE MANAGEMENT REQUIREMENTS.

L. ABANDONING EXISTING SYSTEMS, EQUIPMENT AND APPURTENANCES IN PLACE IS NOT ALLOWED. ALL SYSTEMS, EQUIPMENT AND APPURTENANCES DEEMED FOR REMOVAL SHALL BE REMOVED. THE CONTRACTOR SHALL NOTIFY CORNELL UNIVERSITY IF EXISTING SYSTEMS, EQUIPMENT AND APPURTENANCES ARE FOUND THAT HAD NOT BEEN INDICATED ON THE PROJECT PLANS TO EITHER BE REMOVED OR TO REMAIN IN PLACE.

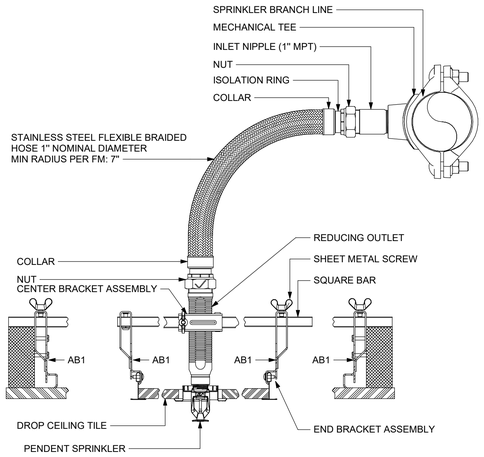
M. PIPE ROUTING DOES NOT SHOW PIPE FITTINGS THAT WILL BE REQUIRED. MOST LOCATIONS WILL REQUIRE PIPING TO RISE INTO STRUCTURAL CAVITY AND THEN BACK DOWN. (TYPICAL ALL LOCATIONS).

N. PROVIDE TEMPORARY HEAT DETECTORS IN AREAS WHERE SPRINKLERS ARE REMOVED FROM SERVICE DURING CONSTRUCTION FOR MORE THAN 8 HOURS. COORDINATE WITH ELECTRICAL CONTRACTOR. TEMPORARY HEAT NEED TO BE TESTED WITH EHS BEFORE REMOVAL OF SPRINKLER SYSTEM.

O. THESE PRODUCTS ARE NOT ALLOWED TO BE USED.
1. DIELECTRIC UNIONS
2. COMBINATION DEVICES SIMILAR TO:
   - MANUAL BALANCE VALVES/CONTROL/BALL VALVES
   - Y STRAINER/BALL ISOLATION
   - BALANCE/BALL ISOLATION• BALL ISOLATION/DRAIN VALVE

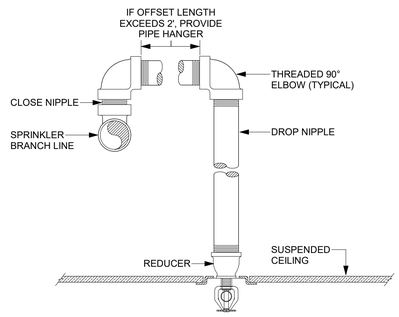
FIRE PROTECTION SYMBOL LIST

SYMBOL	DESCRIPTION
OR	EXISTING WORK TO BE REMOVED
	POINT OF CONNECTION
	POINT OF DISCONNECTION
NTS	NOT TO SCALE
(E)	EXISTING
(ETR)	EXISTING TO REMAIN
AFF	ABOVE FINISHED FLOOR
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
FC	FLUSHING CONNECTION
(E)	EXISTING PIPING
	NEW PIPING
FP	FIRE PROTECTION SERVICE (FP)
S	SPRINKLER MAIN/BRANCH PIPING (S)
D	SPRINKLER DRAIN PIPING (D)
	ELBOW DOWN
	45°OFFSET
	ELBOW UP
	BOTTOM/TEE CONNECTION
	TOP TEE CONNECTION
	PIPE CONTINUATION
	FLUSHING CONNECTION
	PENDENT SPRINKLER
	DRY UPRIGHT SPRINKLER
	QUICK RESPONSE PENDENT SPRINKLER
	CONCEALED PENDENT SPRINKLER
	RESIDENTIAL PENDENT SPRINKLER
	UPRIGHT SPRINKLER
	QUICK RESPONSE UPRIGHT SPRINKLER
	SIDEWALL SPRINKLER
	DRY SIDEWALL SPRINKLER
	RESIDENTIAL SIDEWALL SPRINKLER
	EXTENDED COVERAGE SIDEWALL SPRINKLER
	VERTICAL SIDEWALL SPRINKLER
	DRAIN VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	BACKFLOW PREVENTER (BFP)
	SHUT-OFF VALVE WITH TAMPER SWITCH (TS)
FS	FLOW SWITCH (FS)
PS	PRESSURE SWITCH (PS)
	ALARM CHECK VALVE WITH TRIM (ACV)
	FIRE DEPARTMENT VALVE (FDV)
	POST INDICATOR VALVE (PIV)
	FIRE DEPARTMENT CONNECTION (FDC)
	INSPECTOR'S TEST CONNECTION (ITC)
	FIRE HYDRANT (FH)
X	DRAWING KEYNOTE
X	DEMOLITION/REMOVAL KEYNOTE
X / X	STANDPIPE CALLOUT



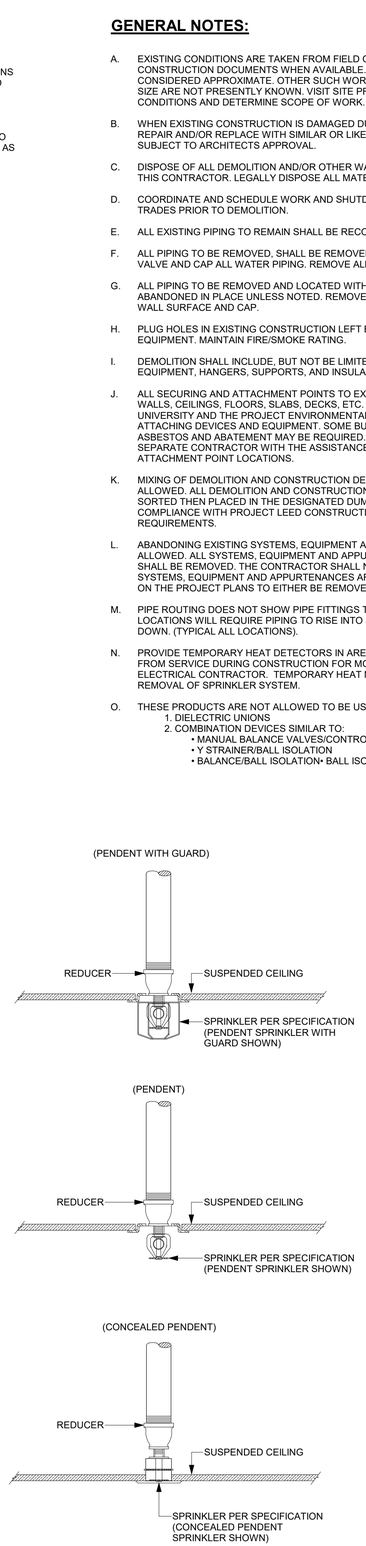
3 FLEXIBLE SPRINKLER HOSE CONNECTION

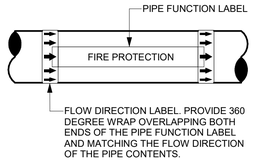
SCALE: NOT TO SCALE



2 RETURN BEND DETAIL

SCALE: NOT TO SCALE





DETAIL NOTES:

A. PROVIDE A PIPE LABEL FOR EACH PIPE FUNCTION.

B. PROVIDE AT LEAST ONE LABEL ON EACH PIPE FOR EVERY ROOM THE PIPE PASSES THROUGH.

C. PROVIDE LABELS IN LARGE SPACES ON MAXIMUM 20' CENTERS FOR EVERY PIPE UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.

D. LABELS TO BE LOCATED IN AN EASILY VISIBLE LOCATION AS THEY WOULD NORMALLY BE SEEN. IE. ON THE BOTTOM HALF OF PIPES IN THE AIR AND ON THE TOP HALF OR SIDES OF PIPES MOUNTED LOW.

E. LABELS SHALL BE, COLOR CODED, PRE-PRINTED, SELF ADHESIVE VINYL.

F. SEE SPECIFICATION FOR OTHER REQUIREMENTS AND LIST OF PIPE FUNCTIONS.

1 PIPING IDENTIFICATION LABEL DETAIL

SCALE: NOT TO SCALE

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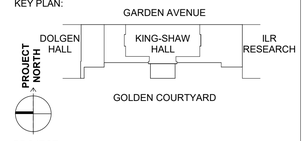


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

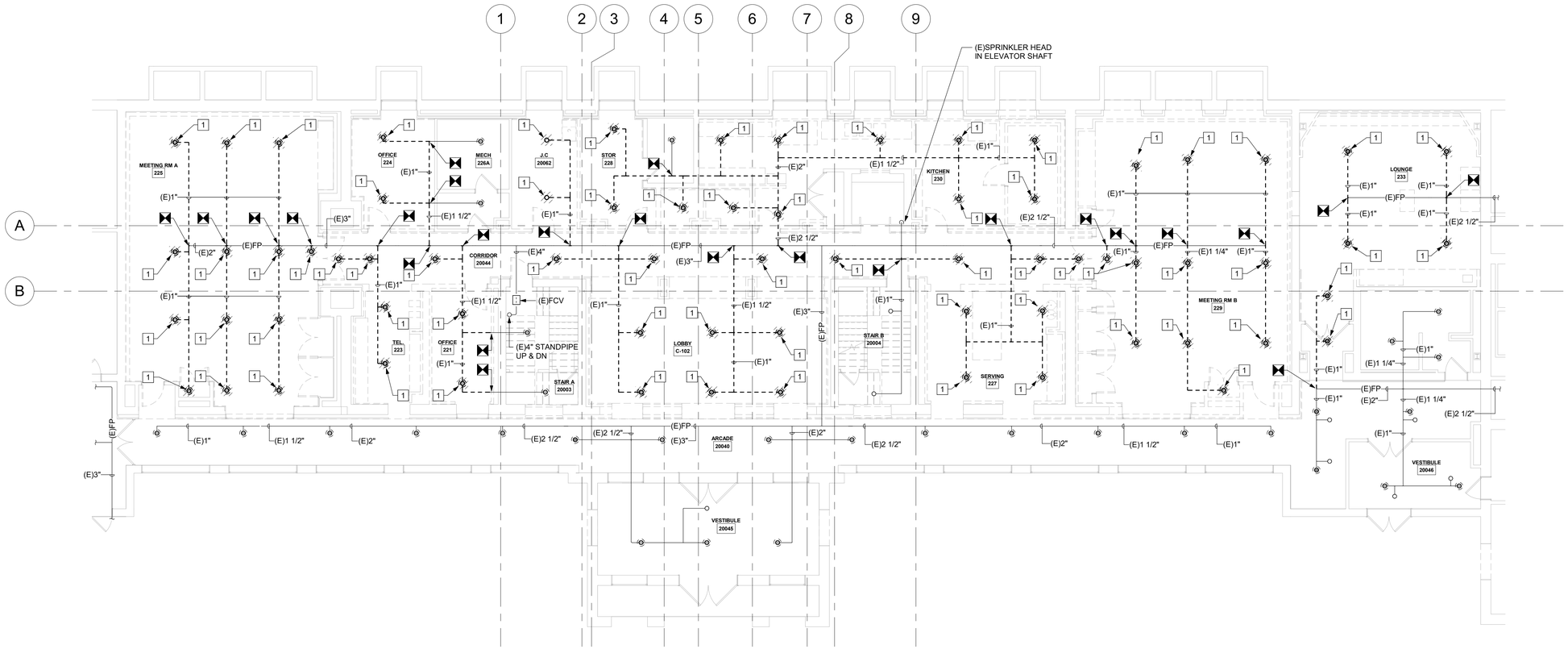
GENERAL NOTES, SYMBOLS LIST & SCHEDULES - FIRE PROTECTION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: NOT TO SCALE**

FP-000

☒ DEMOLITION NOTES:

1 DISCONNECT & REMOVE SPRINKLER HEAD, BRANCH PIPING, & ALL ACCESSORIES BACK TO ACTIVE MAIN.



1 SECOND FLOOR PLAN - FIRE PROTECTION DEMOLITION
SCALE: 1/8" = 1'-0"

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

ARCHITECT:
Mitchell Giurgola
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(212) 663 4000

MEPFP ENGINEER:
ME Engineering
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Rochester, Ny 14606
(585) 288-5590

STRUCTURAL AND EXTERIOR RENOVATION:
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Boston, MA 02199

LIGHTING DESIGN:
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116 East 27th Street, 4th Floor
New York, NY 10016
(212) 741-3280

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(212) 370-1776

ACOUSTICS:
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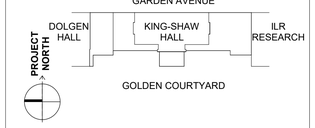
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

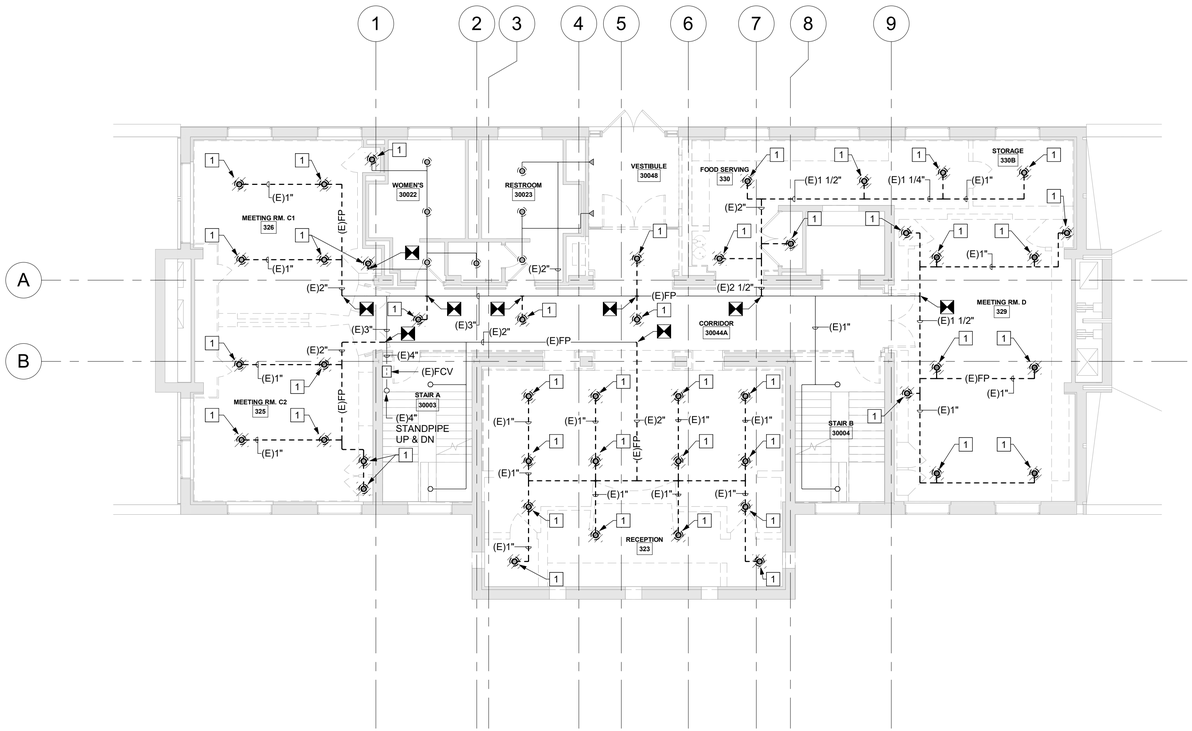
DEMOLITION PLAN - SECOND FLOOR - FIRE PROTECTION DEMOLITION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DFP-101

[X] DEMOLITION NOTES:

1 DISCONNECT & REMOVE SPRINKLER HEAD, BRANCH PIPING, & ALL ACCESSORIES BACK TO ACTIVE MAIN.



1 THIRD FLOOR PLAN - FIRE PROTECTION DEMOLITION

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

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

ARCHITECT:
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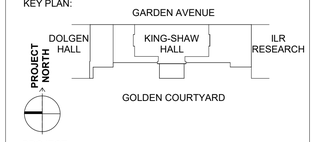
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

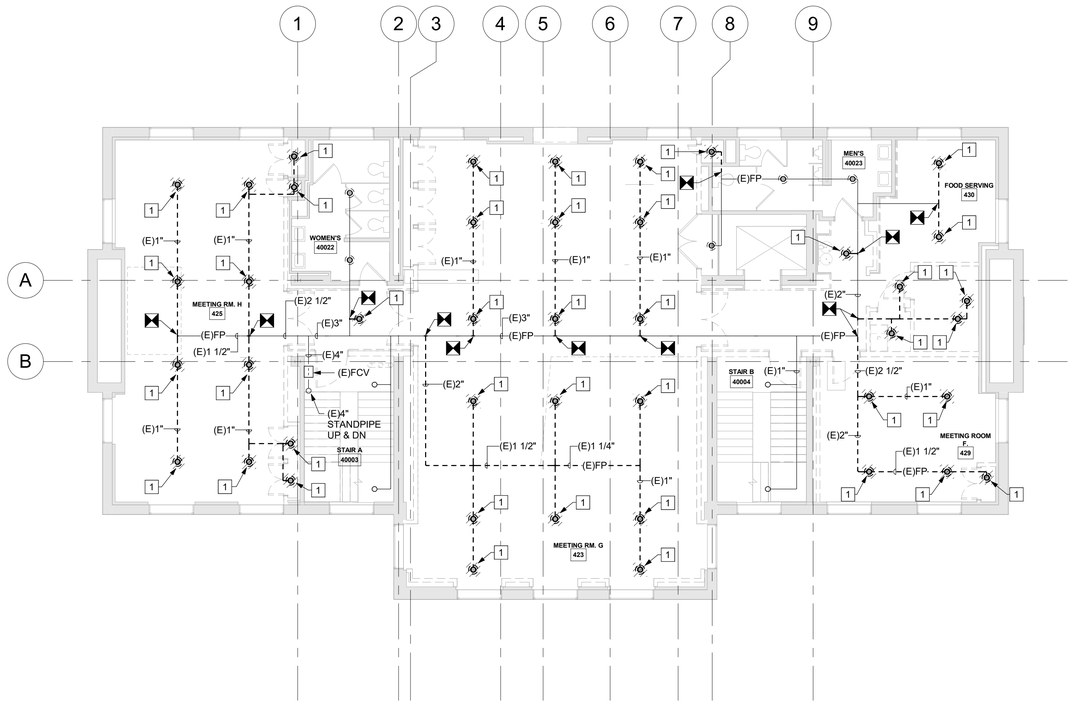
DEMOLITION PLAN - THIRD FLOOR - FIRE PROTECTION DEMOLITION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DFP-102

[X] DEMOLITION NOTES:

1 DISCONNECT & REMOVE SPRINKLER HEAD, BRANCH PIPING, & ALL ACCESSORIES BACK TO ACTIVE MAIN.



1 FOURTH FLOOR PLAN - FIRE PROTECTION DEMOLITION

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

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

ARCHITECT:
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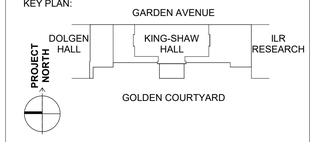


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

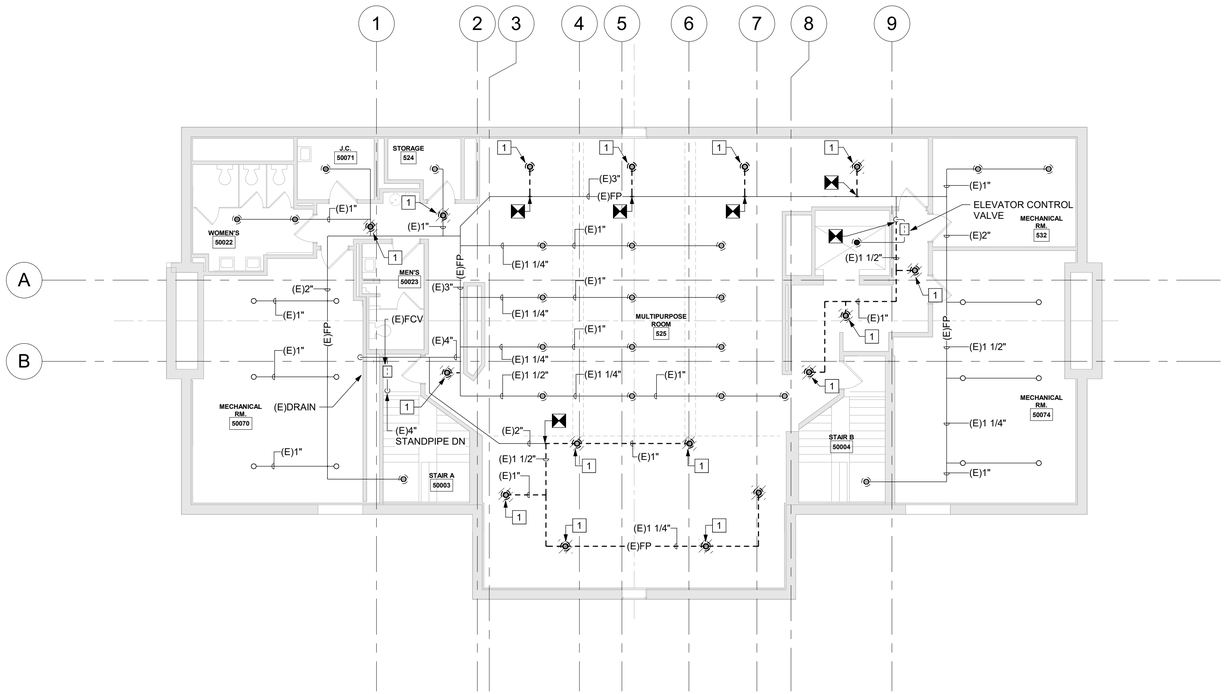
DEMOLITION PLAN - FOURTH FLOOR - FIRE PROTECTION DEMOLITION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DFP-103

X DEMOLITION NOTES:

1 DISCONNECT & REMOVE SPRINKLER HEAD, BRANCH PIPING, & ALL ACCESSORIES BACK TO ACTIVE MAIN.



1 FIFTH FLOOR PLAN - FIRE PROTECTION DEMOLITION

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

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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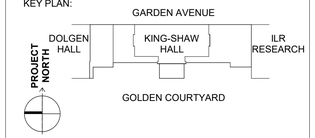


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

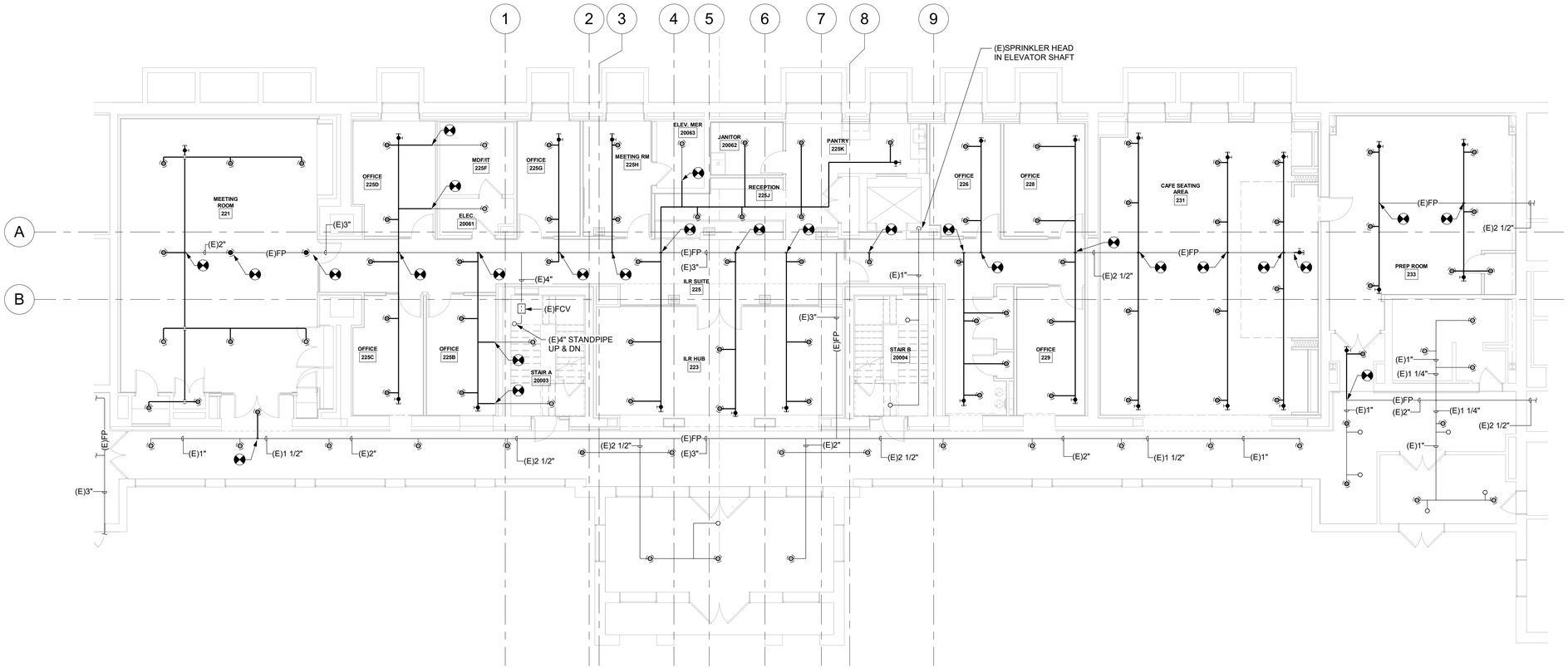
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - FIFTH FLOOR - FIRE PROTECTION DEMOLITION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

DFP-104



1 SECOND FLOOR PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

ARCHITECT:
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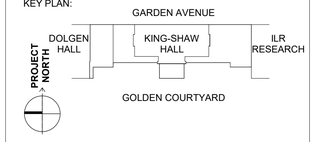

PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
FLOOR PLAN - SECOND FLOOR - FIRE PROTECTION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

FP-201

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

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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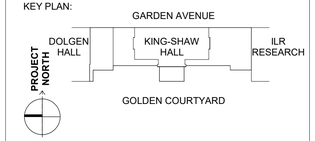


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

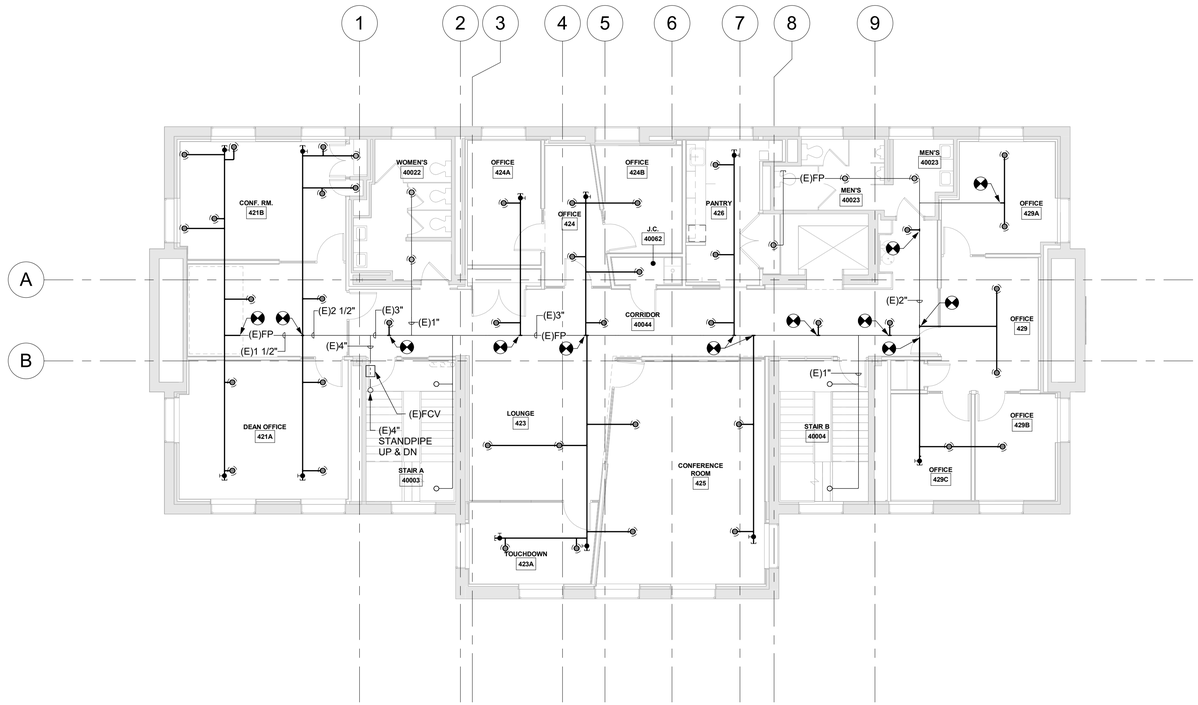
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - THIRD FLOOR - FIRE PROTECTION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

FP-202



1 FOURTH FLOOR PLAN - FIRE PROTECTION

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

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

ARCHITECT:
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Mitchell Giurgola Architects LLP
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New York, New York 10036
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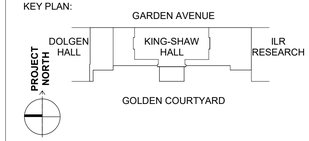
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

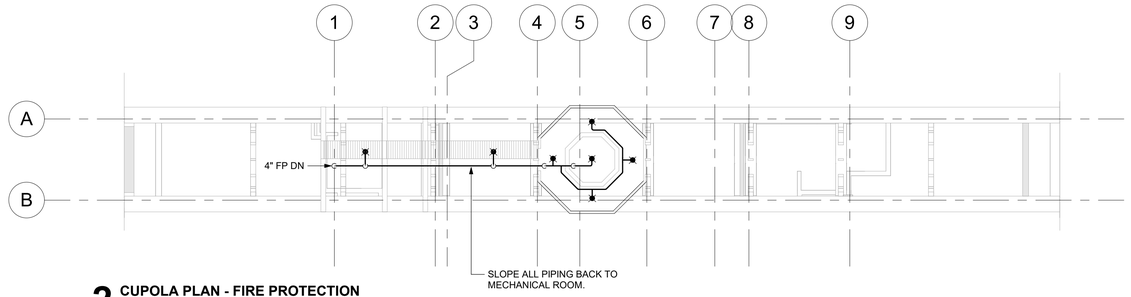
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

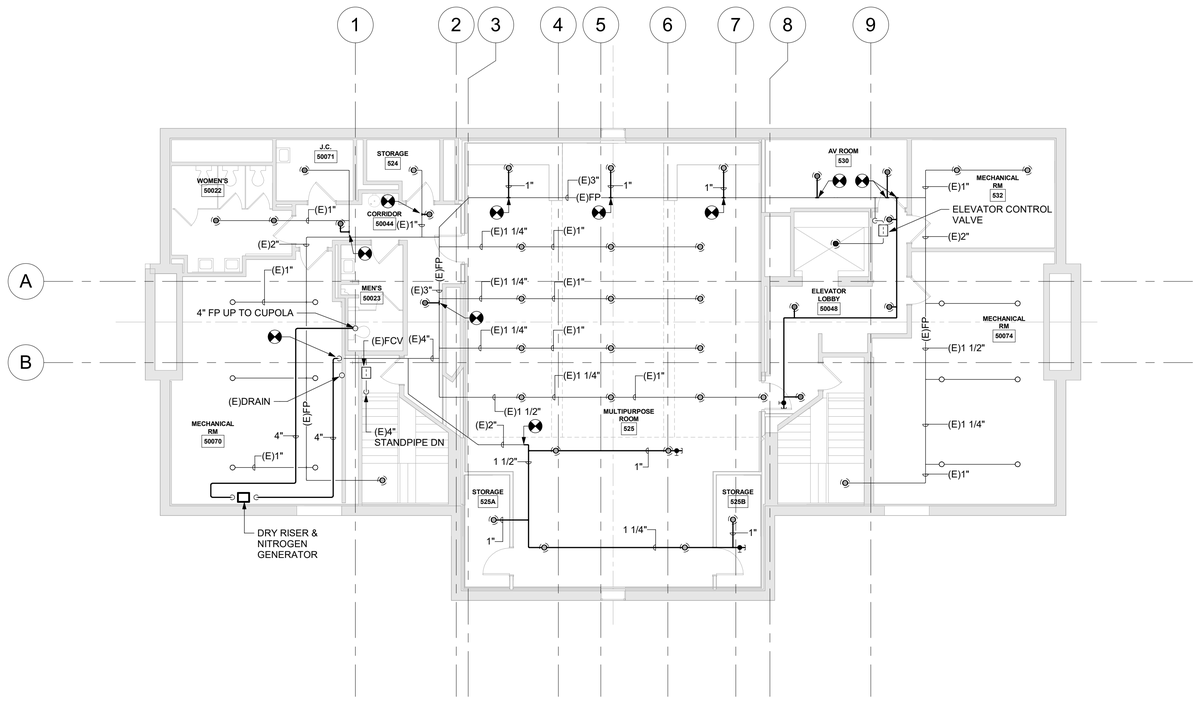
FLOOR PLAN - FOURTH FLOOR - FIRE PROTECTION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

FP-203



2 CUPOLA PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"



1 FIFTH FLOOR PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

ARCHITECT:
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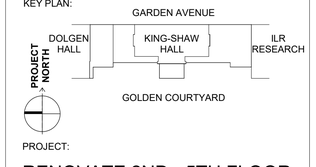
KEY PLAN:


PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
FLOOR PLAN - FIFTH FLOOR - FIRE PROTECTION

PROJECT NO: 240400	**DATE: 1/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

FP-204

ABBREVIATIONS

ABBREV.	DESCRIPTION
A	AMPERE
AAD	AUTOMATIC AIR DAMPER
AIC	AMPERE INTERRUPTING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT INTERRUPTING
AII	AIRBORNE INFECTION ISOLATION
AL	ALUMINUM
ARS	ARC ENERGY REDUCTION SWITCH
ASD	ADJUSTABLE SPEED DRIVE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIOVISUAL
AWG	AMERICAN WIRE GAUGE
BSMT	BASEMENT
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED-CIRCUIT TELEVISION
CLG	CEILING
CM	CONSTRUCTION MANAGER
CONT	CONTACTOR
CONTR	CONTRACTOR
CPT	CONTROL POWER TRANSFORMER
CT	CABLE TRAY
CU	COPPER
DN	DOWN
DP	DISTRIBUTION PANEL
EA	EACH
EC	ELECTRICAL CONTRACTOR
EG	EQUIPMENT GROUND
ELEC	ELECTRIC
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FATP	FIRE ALARM TRANSPONDER PANEL
FBO	FURNISHED BY OTHERS
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTOR
GND	GROUND
GRS	GALVANIZED RIGID STEEL
HH	HAND HOLE
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KW	KILOWATT
KWH	KILOWATT-HOUR
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
MC	METAL CLAD
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MFR	MULTI-FUNCTION RELAY
MH	MAN HOLE
MI	MINERAL INSULATED CABLE
MLO	MAIN LUG ONLY
MTS	MANUAL TRANSFER SWITCH
MW	MICROWAVE
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NM	NON-METALLIC SHEATHED CABLE
NMT	NON-METALLIC TUBING
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	MOUNTED OVER COUNTER
OH	OVERHEAD
P	POLE
PB	PULL BOX
PC	PLUMBING CONTRACTOR OR PHOTOCELL
PH	PHASE
PG	POLYCARBONATE GUARD
PNL	PANEL
PT	POTENTIAL TRANFORMER
PTZ	PAN TILT ZOOM
PV	PHOTOVOLTAIC
REFR	REFRIGERATOR
RMC	RIGID METAL CONDUIT
SP	SPACE
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
STP	SHIELDED TWISTED PAIR
SW	SWITCH
SWBD	SWITCHBOARD
THD	TOTAL HARMONIC DISTORTION
TV	TELEVISION
TYP	TYPICAL
UC	MOUNTED UNDER COUNTER HEIGHT OR UNDERGROUND COMMUNICATION
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
W	WIRE OR WATT
WG	WIRE GUARD
WP	WEATHERPROOF
XP	EXPLOSION PROOF
VP	VANDAL-PROOF POLYCARBONATE GUARD

BASIC MATERIALS AND METHODS

SYMBOL	DESCRIPTION
LP-404	HOME RUN TO PANELBOARD. LETTERS/ NUMBERS INDICATE PANEL. NUMBERS INDICATE CIRCUITS. NUMBER OF ARROWS EQUALS NUMBER OF CIRCUITS. CIRCUIT SHALL BE 20 AMP, 120 VOLT, 2-#12, 1-#12 EG., IN 1" C, UNLESS NOTED OTHERWISE. BRANCH CIRCUIT WIRING SIZE AND NUMBER TO MATCH HOMERUN. REFER TO SPECS FOR RACEWAY TYPE.
	SOLID HALF-ARROW(S) INDICATE(S) 120V CIRCUIT TO SINGLE-POLE CIRCUIT BREAKER(S), UNLESS OTHERWISE NOTED.
	SOLID FULL-ARROW INDICATES 208V CIRCUIT TO MULTI-POLE CIRCUIT BREAKER, UNLESS OTHERWISE NOTED.
	OPEN HALF-ARROW(S) INDICATE(S) 277V CIRCUIT TO SINGLE-POLE CIRCUIT BREAKER(S), UNLESS OTHERWISE NOTED.
	OPEN FULL-ARROW INDICATES 480V CIRCUIT TO MULTI-POLE CIRCUIT BREAKER, UNLESS OTHERWISE NOTED.
(E)	EXISTING TO REMAIN - INDICATES EXISTING ITEM SHALL REMAIN. MAINTAIN EXISTING ELECTRICAL CONNECTIONS UNLESS OTHERWISE NOTED.
(ER)	EXISTING TO BE RELOCATED - INDICATES EXISTING ITEM SHALL BE RELOCATED. DISCONNECT AND REMOVE, REINSTALL AT NEW LOCATION AND RECONNECT ITEM AS REQUIRED.
(R)	EXISTING TO BE REPLACED - INDICATES EXISTING ITEM SHALL BE REPLACED. RECONNECT TO EXISTING ELECTRICAL CONNECTIONS UNLESS OTHERWISE NOTED.
XXX	KITCHEN EQUIPMENT TAG
AV	AV TAG; DENOTES DEVICES FOR AUDIO/VISUAL EQUIPMENT
	EXISTING ELECTRICAL WIRING OR EQUIPMENT OR DEVICE DASHED LIGHT IS EXISTING TO BE REMOVED OR RELOCATED.
	EXISTING ELECTRICAL WIRING OR EQUIPMENT OR DEVICE SOLID LIGHT IS EXISTING TO REMAIN OR EXISTING RELOCATED.
	HEAVY SOLID IS NEW
#	REFERENCE TO DRAWING NOTE
#	REFERENCE TO DEMOLITION NOTE
J	JUNCTION BOX; SUBSCRIPT OR DRAWING NOTE INDICATES TYPE. C - MOUNTED IN ACCESSIBLE AREA ABOVE CEILING.
	SPECIAL PURPOSE RECEPTACLE. PROVIDE PROPER VOLTAGE, CLASS, CURRENT RATING AND NEMA CONFIGURATION AS REQUIRED BY BRANCH CIRCUIT AND/OR MATCH CAP ON EQUIPMENT BEING FURNISHED BY OTHERS. PROVIDE CORD AND CAP.
	DUPLEX RECEPTACLE 20 AMP, 125 VOLT SUBSCRIPTS INDICATE TYPE: AV - AV RECEPTACLE, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL AND AV DRAWINGS. C - CONTROLLED RECEPTACLE EM - CONNECTED TO AN EMERGENCY CIRCUIT GFI - GROUND FAULT INTERRUPTOR OC - OVER-COUNTER TR - TAMPER-RESISTANT TV - TV RECEPTACLE, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL AND AV DRAWINGS. UC - UNDER THE COUNTER USB - COMBINATION RECEPTACLE/USB CHARGING WP - WEATHERPROOF
	GFCI DUPLEX RECEPTACLE, 20 AMP, 125 VOLT. REFER TO DUPLEX RECEPTACLE FOR SUBSCRIPT DEFINITIONS.
	DUPLEX RECEPTACLE, 20 AMP, 125 VOLT. CONNECT TO AN EMERGENCY CIRCUIT. REFER TO DUPLEX RECEPTACLE FOR SUBSCRIPT DEFINITIONS.
	CEILING DUPLEX RECEPTACLE 20 AMP, 125 VOLT. REFER TO DUPLEX RECEPTACLE FOR SUBSCRIPT DEFINITIONS.
	SINGLE RECEPTACLE 20 AMP, 125 VOLT. REFER TO DUPLEX RECEPTACLE FOR SUBSCRIPT DEFINITIONS.
	TWO DUPLEX RECEPTACLE, SINGLE COVER. REFER TO DUPLEX RECEPTACLE FOR SUBSCRIPT DEFINITIONS.
	TWO DUPLEX RECEPTACLE, SINGLE COVER, EMERGENCY CIRCUIT. REFER TO DUPLEX RECEPTACLE FOR SUBSCRIPT DEFINITIONS.
CR	CEILING-MOUNTED CORD REEL: REELCRAFT MODEL# LD2030 163 9 UNLESS OTHERWISE NOTED
CD P	CORD DROP. SUBSCRIPTS INDICATE TYPE: P: NEMA 5-20R QUAD RECEPTACLE D: (3) CAT6 RJ45 DATA JACKS
	PUSH BUTTON
FB AV	FLOOR BOX. SHALL BE WIREMOLD RFB4E_OG, UNLESS OTHERWISE INDICATED. PROVIDE (1) 3/4" CONDUIT FOR POWER TO TWO DUPLEX RECEPTACLES, (1) 1" CONDUIT FOR FUTURE DATA DROP AND (2) 1" CONDUIT FOR AV TO ACCESSIBLE CEILING. COVER PER ARCHITECT.
	POKE-THRU

COMMUNICATIONS

SYMBOL	DESCRIPTION
	COMBINATION POWER/COMMUNICATION SURFACE RACEWAY WITH DEVICES AS INDICATED. WIREMOLD G4000. RACEWAY SHALL BE MOUNTED "OVER COUNTER" UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL PLANS FOR FINAL MOUNTING HEIGHTS.
ANT	DAS ANTENNA
DC	DOOR CONTACT
CR	CARD READER
ML	MAG LOCK
CT-12X6	CABLE TRAY: REFER TO LOW VOLTAGE DRAWINGS FOR DETALS AND EXACT REQUIREMENTS

FIRE ALARM

SYMBOL	DESCRIPTION
F	MANUAL PULL STATION
S	SMOKE DETECTOR
H	COMBINATION SET TEMPERATURE AND RATE OF RISE HEAT DETECTOR
F C	NOTIFICATION APPLIANCE, AUDIBLE AND VISUAL C - INDICATES CEILING WP - INDICATES WEATHERPROOF
F C	NOTIFICATION APPLIANCE, VISUAL C - INDICATES CEILING WP - INDICATES WEATHERPROOF
SD	SMOKE DAMPER
DSD	DUCT SMOKE DETECTOR
RTS	DETECTOR REMOTE TEST STATION AND INDICATOR. WALL MOUNT BETWEEN 42" AND 48" AFF, ALIGN WITH PULL STATION INSTALLATION HEIGHT.
STX	SMOKE DETECTOR, BEAM TYPE - TRANSMITTER
SRX	SMOKE DETECTOR, BEAM TYPE - RECEIVER
FSD	FAN SHUT DOWN RELAY
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATION PANEL
TS	TAMPER SWITCH
WF	SPRINKLER WATERFLOW SWITCH (PADDLE OR PRESSURE SWITCH TYPE)

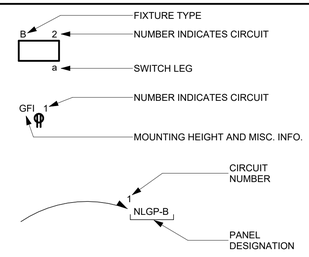
POWER DISTRIBUTION AND CONTROL

SYMBOL	DESCRIPTION
XTX-XX-XX	TRANSFORMER, REFER TO ONE LINE DIAGRAM AND TRANSFORMER SCHEDULE FOR SIZE AND TYPE
XX-XX	208/120 VOLT PANELBOARD
XX-XX	480/277 VOLT PANELBOARD
	DISTRIBUTION PANELBOARD (I-LINE OR EQUIV.)
ECB	ENCLOSED CIRCUIT BREAKER, SUBSCRIPT INDICATES AMP RATING
	DISCONNECT SWITCH AMP RATING AS INDICATED ON ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE
	FUSED DISCONNECT SWITCH AMP RATING AS INDICATED
	COMBINATION FUSED DISCONNECT SWITCH AND MAGNETIC STARTER. AMP RATING AS INDICATED ON ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE
	MOTOR STARTER. REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE FOR SIZE AND TYPE.
ASD	ADJUSTABLE SPEED DRIVE
	CONTACTOR
M	ELECTRICAL CONNECTION. REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE FOR DESCRIPTION. LETTERS AND NUMBERS REFER TO "ITEM DESIGNATION" ON THE SCHEDULE.
D	MOTORIZED DAMPER CONNECTION
	COMPLETE CONNECTION TO EQUIPMENT. SHALL INCLUDE ALL FEEDER CONNECTIONS AND POWER FROM SOURCE AS NOTED ON DRAWINGS. PROVIDE WITH DISCONNECT APPROPRIATE TO ENVIRONMENT AND EQUIPMENT RATING.

LUMINAIRES

SYMBOL	DESCRIPTION
FA d	LUMINAIRE CONNECTED TO NORMAL POWER. UPPER CASE LETTERS INDICATE FIXTURE TYPE ON SCHEDULE, LOWER CASE LETTER INDICATES SWITCHING DESIGNATION. 'NL' INDICATES UNSWITCHED.
FA d	WALL MOUNTED LUMINAIRE CONNECTED TO NORMAL POWER. UPPER CASE LETTERS INDICATE FIXTURE TYPE ON SCHEDULE, LOWER CASE LETTER INDICATES SWITCHING DESIGNATION. 'NL' INDICATES UNSWITCHED.
	LUMINAIRE CONNECTED TO LIFE SAFETY CIRCUIT. 'LS' ALSO INDICATES LIFE SAFETY CIRCUIT. PROVIDE UL 924 RELAY FOR EACH FIXTURE. 'NL' INDICATES UNSWITCHED.
	LUMINAIRE STRIP
	TRACK LIGHTING SYSTEM, LENGTH AND NUMBER OF HEADS AS INDICATED ON PLAN
	WALL-MOUNTED EMERGENCY LUMINAIRE WITH BATTERY PACK
	CEILING-MOUNTED EXIT LUMINAIRE
	WALL-MOUNTED EXIT LUMINAIRE
	CEILING-MOUNTED AREA-OF-RESCUE LUMINAIRE
	WALL-MOUNTED AREA-OF-RESCUE LUMINAIRE

BRANCH CIRCUITING IDENTIFICATION



NOTE:
TYPICAL FOR ALL DEVICES AND HOMERUNS.

ONE-LINE DIAGRAM

SYMBOL	DESCRIPTION
	FUSED DISCONNECT SWITCH
	NON-FUSED DISCONNECT SWITCH
	THERMAL MAGNETIC MOLDED-CASE CIRCUIT BREAKER
	TRANSFORMER; REFER TO SCHEDULE OR ONE-LINE
	GROUND CONNECTION
A	FEEDER DESIGNATION - REFER TO FEEDER SCHEDULE.
	CURRENT TRANSFORMER
	MOV-TYPE LIGHTNING ARRESTOR; SIZE AND CLASS AS INDICATED.
	POTENTIAL TRANSFORMER
SPD	SURGE PROTECTIVE DEVICE
N L E	4 POLE CLOSED TRANSITION BYPASS ISOLATION TRANSFER SWITCH, RATING AS INDICATED ATS = AUTOMATIC
G	GENERATOR SET
GRAP	GENERATOR REMOTE ANNUNCIATION PANEL
RTSA	REMOTE TRANSFER SWITCH ANNUNCIATION PANEL

LIGHTING CONTROLS

SYMBOL	DESCRIPTION
$S^{3}_{a,b,c}$	SWITCH (DIMMING, MOMENTARY, DIGITAL, ETC.), VOLTAGE AS INDICATED ON FIXTURE SCHEDULE, SUBSCRIPTS INDICATE QUANTITY AND/OR TYPE: 3 - THREE-WAY SWITCH 4 - FOUR-WAY SWITCH OS - OCCUPANCY SENSOR PL - PILOT LIGHT LV - LOW VOLTAGE P - PRESET a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES REFER TO SPECIFICATIONS FOR ADDITIONAL LIGHT SWITCH DESCRIPTIONS.
$D^{3}_{a,b,c}$	DIMMER SWITCH, VOLTAGE AS INDICATED ON FIXTURE SCHEDULE. DIMMER SHALL BE COMPATIBLE WITH PROVIDED LIGHT FIXTURE BEING CONTROLLED BY DIMMER. IF DIMMER PROVIDED DOES NOT OPERATE WITH A VACANCY SENSOR A DECORA-STYLE ON/OFF SWITCH SHALL BE PROVIDED IN THE SAME SWITCH BOX. SUBSCRIPTS INDICATE TYPE: 3 - THREE-WAY SWITCH 4 - FOUR-WAY SWITCH OS - OCCUPANCY SENSOR a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES
OS OS	DUAL-TECHNOLOGY CEILING- OR WALL-MOUNTED OCCUPANCY SENSOR UNLESS OTHERWISE NOTED.
VS VS	DUAL-TECHNOLOGY CEILING- OR WALL-MOUNTED VACANCY SENSOR UNLESS OTHERWISE NOTED.
DS	DAYLIGHT SENSOR
PC	PHOTO SENSOR

BRANCH CIRCUIT WIRE SIZES

SYMBOL	SIZE
30A, 1P	2-#10 & 1-#10EG IN 3/4" C.
50A, 1P	2-#6 & 1-#10EG IN 1" C.
60A, 1P	2-#6 & 1-#10EG IN 1" C.
20A, 2P	3-#12 & 1-#12EG IN 3/4" C.
30A, 2P	3-#12 & 1-#12EG IN 3/4" C.
40A, 2P	3-#8 & 1-#10EG IN 3/4" C.
20A, 3P	3-#12 & 1-#12EG IN 3/4" C.
30A, 3P	3-#10 & 1-#10EG IN 3/4" C.
PROVIDE NEMA RECEPTACLE CONFIGURATION TO MATCH EQUIPMENT.	

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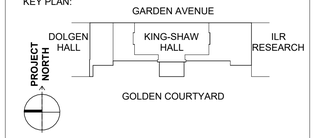
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

SYMBOLS LIST - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NTS**

E-000

GENERAL NOTES: (APPLY TO ALL DRAWINGS):

A. SLEEVE AND SEAL ALL WALL AND FLOOR PENETRATIONS. PROVIDE FIRESTOPPING FOR ALL FIRE-RATED PENETRATIONS. UTILIZE REMOVABLE FIRESTOPPING MATERIAL AT CABLE TRAY PENETRATIONS. PROVIDE ACOUSTICAL SEALANT FOR ALL NON RATED PENETRATIONS. ALL FIRE RATINGS SHALL BE MAINTAINED.

B. MAINTAIN SERVICE CLEARANCES OF ALL EQUIPMENT.

C. COORDINATE EXACT LOCATION OF ALL CONDUIT ROUTES, EQUIPMENT AND DEVICES WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

D. MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR POWER CIRCUITS UOI.

E. PROVIDE NYLON PULLSTRING IN ALL EMPTY CONDUITS.

F. FIRE ALARM SIGNALING APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80 INCHES AND NOT GREATER THAN 96 INCHES ABOVE THE FINISHED FLOOR.

G. CIRCUITING TO DEVICES/EQUIPMENT SHALL BE 2-#12AWG & 1-#12EG (MULTIPLE HOME RUNS IN SAME CONDUIT MAY SHARE SAME EQUIPMENT GROUND) FOR EACH 20 AMPERE CIRCUIT UNLESS OTHERWISE NOTED. ALL CIRCUITS SHALL HAVE SEPARATE NEUTRALS (CIRCUITS SHALL NOT SHARE NEUTRALS).

H. PROVIDE CONDUIT/WIRING (CIRCUITING) AND REQUIRED EQUIPMENT CONNECTIONS TO ALL DEVICES/EQUIPMENT. CONNECT TO CIRCUIT(S) AS INDICATED.

I. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REFERENCE STANDARD EDITION OF NFPA CODES, AS CITED BY THE FIRE CODE OF NEW YORK STATE, BUILDING CODE OF NEW YORK STATE AND CORNELL UNIVERSITY DESIGN STANDARDS.

J. ALL CONDUITS AND SUPPORTS SHALL BE AS TIGHT TO DECK AS POSSIBLE.

K. PROVIDE PULLBOX FOR EVERY 180 DEGREE OF BENDS FOR TEL/DATA AND 360 DEGREES OF BENDS FOR POWER CONDUITS.

L. ALL ELECTRICAL DEVICES (RECEPTACLES, SWITCHES, FIRE ALARM, ETC.) SHALL BE ALIGNED HORIZONTALLY AND VERTICALLY. CONTRACTOR TO SCHEDULE AND COORDINATE PROJJECT WALKTHROUGH WITH ARCHITECT AND ENGINEER PRIOR TO COMMENCEMENT OF ANY DEVICE ROUGH-IN FOR FINALIZATION OF ALIGNMENTS.

M. ALL EXISTING DEVICES CIRCUITED TO PANELS BEING RENAMED SHALL BE PROVIDED WITH UPDATED LABELS.

N. PROVIDE ALL PATHWAYS AND BACK BOXES AS CALLED FOR ON AV DRAWINGS PROVIDED BY ANOTHER CONSULTANT.

O. COORDINATE IT SERVICE CHANGES OR DISRUPTIONS IN SERVICE WITH CIT OPERATIONS AT (607)255-5500.

P. ALL OUTLETS WITHIN 6' OF SINK EDGE SHALL BE GFCI RATED.

GENERAL DEMOLITION NOTES: (APPLY TO ALL DRAWINGS):

A. WHEN EXISTING CONSTRUCTION, WHICH IS TO REMAIN, IS DAMAGED DURING THE COURSE OF DEMOLITION AS A RESULT OF THE CONTRACTOR'S WORK, IT SHALL BE REPAIRED AND/OR REPLACED WITH SIMILAR OR LIKE MATERIALS, AS MUCH AS POSSIBLE, SUBJECT TO THE OWNERS APPROVAL.

B. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF EXISTING CONSTRUCTION IN THE WAY OF NEW WORK. PROTECT BUILDING AND FURNISHINGS FROM DAMAGE.

C. COORDINATE PHASING OF WORK WITH OWNER'S REPRESENTATIVE.

D. COORDINATE ALL SHUTDOWNS WITH UNIVERSITY PRIOR TO DEMOLITION. ALL FIRE ALARM SHUTDOWNS SHALL BE SCHEDULED THROUGH CUSTOMER SERVICE WITH AT LEAST 24 HOURS NOTICE BEFORE WORK IS TO BE STARTED.

E. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE AND ARE NOT GARAUNTEED. PRIOR TO SUBMITTING BID, VISIT SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE DEMOLITION WORK. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS. THIS CONTRACTOR SHALL PARTICIPATE IN SURVEY OF THE EXISTING ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL DISCONNECT AND CAP ALL SERVICE LINES TO BE DISCONNECTED FOR THOSE SERVICES WHICH NORMALLY ARE INCLUDED IN HIS FIELD OF WORK. PARTICULAR CARE SHALL BE TAKEN TO AVOID CREATING HAZARD OR CAUSING DISRUPTION IN ADJOINING AREAS. NOT ALL DEVICES TERMINATIONS, JUNCTION BOXES AND WIRING HAVE BEEN SHOWN.

F. REFER TO PLUMBING CONTRACT DRAWINGS AND SPECIFICATIONS FOR EXACT QUANTITIES AND LOCATIONS OF ALL PLUMBING EQUIPMENT BEING ABANDONED OR REMOVED, WHICH WILL REQUIRE DE-ENERGIZATION, REMOVAL AND BLANK-OFF BY THE CONTRACTOR.

G. EXISTING FIRE ALARM SYSTEM SHALL BE KEPT OPERATIONAL DURING THE CONSTRUCTION PERIOD THE BUILDING UNDER RENOVATION MAY BE DISCONNECTED FROM SERVICE DURING THE HOURS THE CONTRACTOR IS WORKING, AT THE DISCRETION OF THE FIRE DEPARTMENT AND THE OWNER'S REPRESENTATIVE, BUT MUST BE OKACED BACK ON LINE DURING OTHER PERIODS. APPROVAL TO BE IN WRITING.

H. THE EXISTING ELECTRICAL EQUIPMENT AND DEVICES WITHIN DEMOLITION AREA SHALL BE DEMOLISHED ALONG WITH ALL FEEDERS AND CONDUITS BACK TO POINT OF SOURCE UNLESS OTHERWISE NOTED. ALL ITEMS SHOWN ON THE DEMOLITION DRAWINGS SHALL BE DISCONNECTED AND REMOVED UNLESS NOTED OTHERWISE. WALLBOXES, BACKBOXES AND CONDUIT SHALL BE REUSED AS DETERMINED BY CONTRACTOR. ALL UNUSED CONDUITS SHALL BE REMOVED. DISCONNECT AND MAKE SAFE ANY EQUIPMENT TO BE REMOVED BY OTHERS. COORDINATE REMOVAL OF EQUIPMENT WITH OTHER TRADES PRIOR TO DEMOLITION.

I. MAINTAIN AND RESTORE, IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CIRCUITS, CONDUITS AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN).

J. ALL EXISTING CONDUITS STUBBED THROUGH FLOOR SERVING ITEMS TO BE REMOVED AND NOT SHOWN OR REQUIRED TO BE REUSED, SHALL BE CUT OFF FLUSH WITH SLAB LEVEL WITH CONCRETE.

K. IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK WORK, THIS CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL ELECTRICAL ITEMS IN PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADE'S WORK IN THAT AREA.

L. DISCONNECT, MAKE SAFE AND REMOVE ALL TEMPORARY AND ABANDONED WIRE WITHIN THE SPACE.

M. BRANCH CIRCUIT WIRING TO DEVICES IN AREAS OF DEMOLITION SHALL BE DISCONNECTED, MADE SAFE AND REMOVED COMPLETELY BACK TO THE PANELBOARD. THE CONTRATOR SHALL NOT ABANDON BRANCH CIRCUIT WIRING TO ANY AREAS WICH ARE TO REMAIN BUT ARE AFFECTED BY THE DEMOLITION OR NEW CONSTRUCTION.

N. DISCONNECT AND REMOVE PANEL, FEEDERS AND BRANCH CIRCUITS BACK TO POINT OF SOURCE PRIOR TO THE START OF DEMOLITION, CONTRACTOR SHALL FIELD VERIFY ALL BRANCH CIRCUITS AND MAINTAIN THOSE CIRCUITS THAT EXTEND OUTSIDE OF THE SCOPE OF WORK.

O. AFTER RENOVATING EXISTING ELECTRICAL WORK, THE CONTRACTOR SHALL INSURE THAT ALL REMAINING AND NEW EQUIPMENT WILL OPERATE PROPERLY.

P. PROVIDE TEMPORARY HEAT DETECTORS IN AREAS WHERE SPRINKLERS ARE REMOVED FROM SERVICE DURING CONSTRUCTION. COORDINATE WITH FIRE PROTECTION CONTRACTOR. TEMPORARY HEAT DETECTORS NEED TO BE TESTED WITH EHS BEFORE REMOVAL OF SPRINKLER SYSTEM.

Q. REFER TO HVAC CONTRACT DRAWINGS AND SPECIFICATIONS FOR EXACT QUANTITIES AND LOCATIONS OF ALL HVAC EQUIPMENT BEING ABANDONED OR REMOVED, WHICH WILL REQUIRE DE-ENERGIZATION, REMOVAL AND BLANK-OFF BY THE CONTRACTOR.

R. DISCONNECT, SALVAGE AND TURN OVER ALL REMOVED ELECTRICAL PANELS TO CORNELL FACILITIES.

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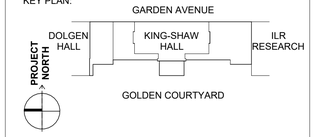
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

GENERAL NOTES - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NTS**

E-001

GENERAL NOTES:

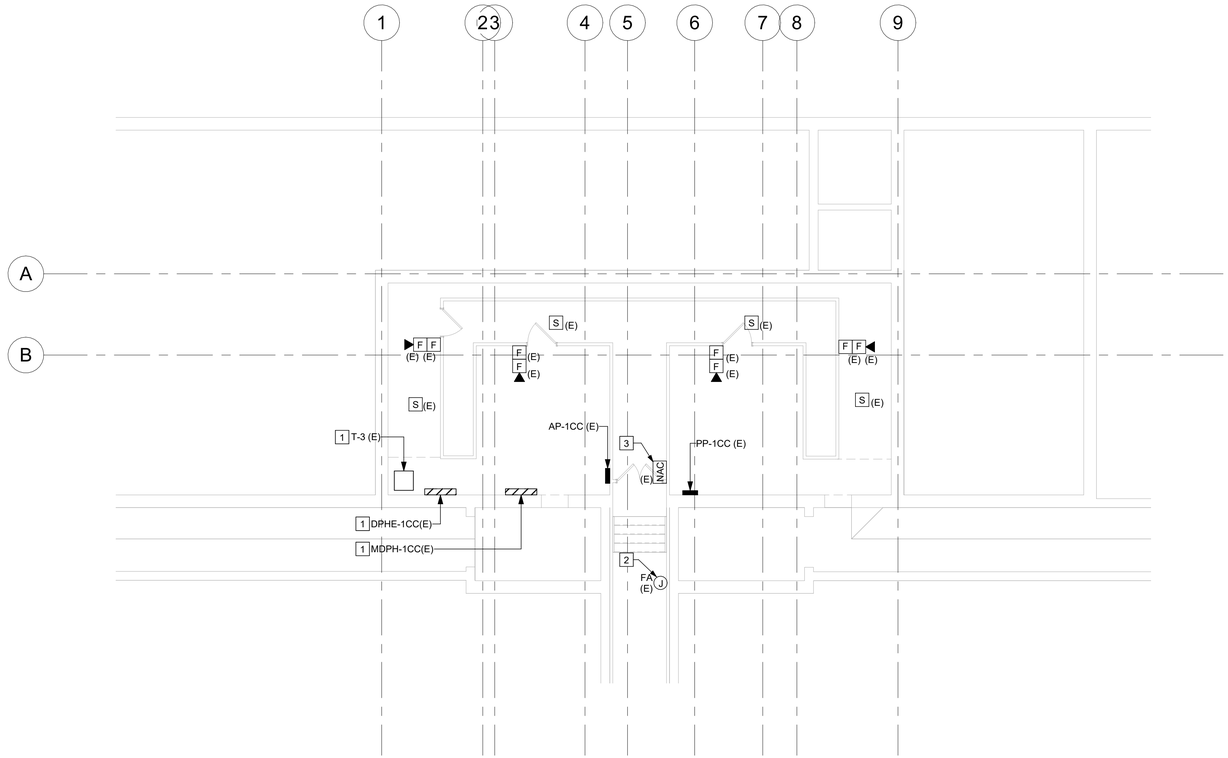
A ALL FIRE ALARM CIRCUITS IN DOLGEN AND ILR RESEARCH WINGS OF THIS BUILDING ARE EXISTING TO REMAIN. PROVIDE NECESSARY CIRCUITS AS NEEDED FROM ADAJECENT BUILDING, INCLUDING ANY REQUIRED NAC PANELS AND ASSOCIATED CIRCUITS AND BATTERIES, TO MAINTAIN SYSTEM FUNCTIONALITY IN AREAS OUTSIDE OF THE PROJECT SCOPE.

[X] DEMOLITION NOTES:

1 ELECTRICAL COMPONENTS ARE EXISTING TO REMAIN.

2 FIRE ALARM JUNCTION BOX. CONNECTS TO PATHWAYS THAT EXTEND BACK TO FACP IN MAIN IVES/CATHERWOOD COMPLEX, ILR RESEARCH WING, AND DOLGEN WING.

3 FIRE ALARM NAC PANEL. EXISTING TO REMAIN.



1 **BASEMENT DEMOLITION PLAN - ELECTRICAL**
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

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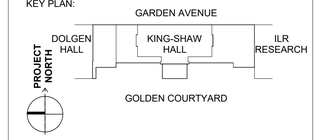
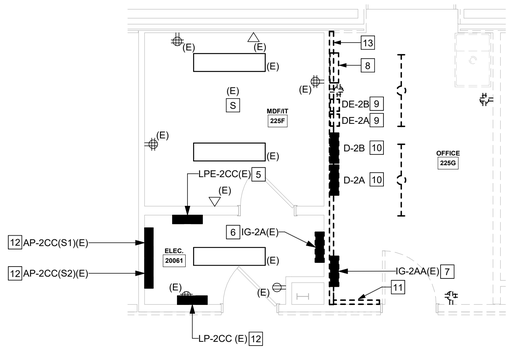
KEY PLAN:


PROJECT:
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:
DEMOLITION PLAN - BASEMENT - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

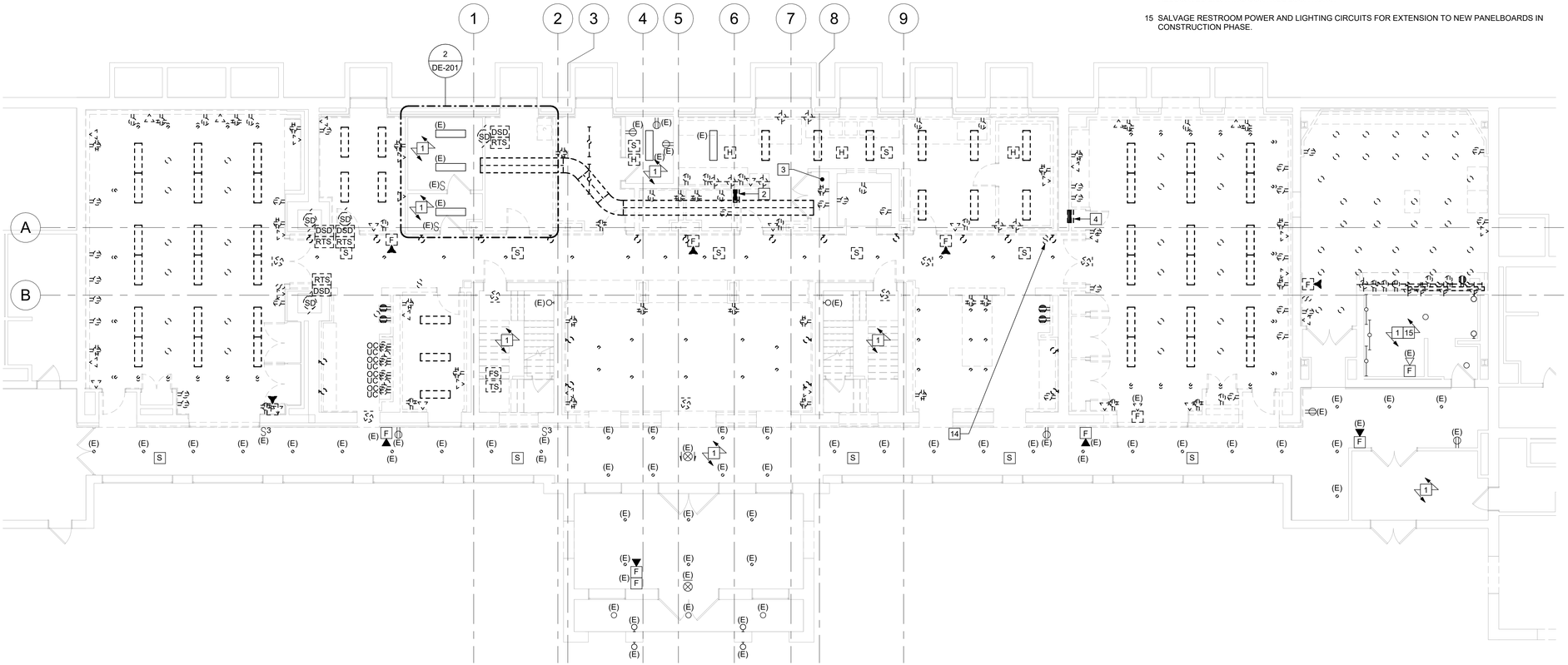
DE-200



2 SECOND FLOOR ENLARGED DEMOLITION PLAN - ELECTRICAL

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

0' 2' 4' 8'



1 SECOND FLOOR DEMOLITION PLAN - ELECTRICAL

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

0' 4' 8' 16'

X DEMOLITION NOTES:

1 THIS AREA IS NOT WITHIN THE SCOPE OF THE PROJECT. REFEED CIRCUITS AS NEEDED TO ENABLE OTHER DEMOLITION WORK.

2 DEMOLISHPANELBOARD AP-K. SALVAGE FEEDER TO EXTEND TO PANEL AP-K. REFER TO SHEET E-210.

3 EXISTING TELECOM CHASE. (4) 4"SLEEVES UP TO REMAIN.

4 DEMOLISH PANELBOARD IG-2B BACK TO SOURCE AP-2CC.

5 PANELBOARD LPE-2CC IS EXISTING TO REMAIN. PANELBOARD IS A 30A MCB, 120/208V, EMERGENCY LIGHTING PANELBOARD FED FROM DPHE-1C.

6 PANELBOARD IG-2A IS EXISTING TO BE REMOVED. REFER TO ONE-LINE DIAGRAM FOR DETAILS.

7 PANELBOARD IG-2AA IS EXISTING TO BE REMOVED AND TURNED OVER TO OWNER. PANELBOARD IS FED FROM IG-2A. PANELBOARD PROVIDES POWER FOR EXISTING-TO-REMAIN COURTYARD ELECTRICAL COMPONENTS. REFER TO ONE-LINE DIAGRAMS FOR DESCRIPTION OF CIRCUITS TO BE RELOCATED.

8 DEMOLISH MICROLITE LIGHTING CONTROLLER.

9 DEMOLISH EMERGENCY LIGHTING CONTROL DIMMING PANELBOARD AND FEED FROM PANEL LPE-2CC.

10 DEMOLISH LIGHTING CONTROL DIMMING PANELBOARD. DEMOLISH FEED FROM PANEL LP-2CC.

11 ELECTRICAL COMPONENTS IN CORNER OF ROOM PROVIDE COURTYARD SERVICES, INCLUDING WAP DATA FEEDS AND LIGHTING TIMERS AND CONTACTORS ARE EXISTING TO BE RELOCATED TO ELECTRICAL ROOM 20068..

12 EXISTING PANELBOARD TO BE REFED THROUGH FEED THROUGH PANELBOARDS TO BE PROVIDED ON UPPER FLOORS.

13 DEMOLISH SUFACE-MOUNTED WIREWAY ASSOCIATED WITH EXISTING-TO-BE-DEMOLISHED LIGHTING CONTROLLERS. MAINTAIN EXISTING WIREWAY WHERE NECESSARY FOR EXISTING-TO-REMAIN CIRCUITRY.

14 EXISTING LIGHT SWITCH LOCATION CONTROLS SOUTH CORRIDOR LIGHTING. NORMAL-POWER CORRIDOR LIGHTING TO BE REFED FROM PHASING PANELBOARD. PROVIDE STANDALONE, NON-NETWORKED LIGHTING CONTROLS FOR EXISTING CORRIDOR LIGHTING. REFER TO CONSTRUCTION FLOOR PLANS FOR RELOCATED LIGHTING CONTROL LOCATIONS.

15 SALVAGE RESTROOM POWER AND LIGHTING CIRCUITS FOR EXTENSION TO NEW PANELBOARDS IN CONSTRUCTION PHASE.

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Ithaca, NY 14853

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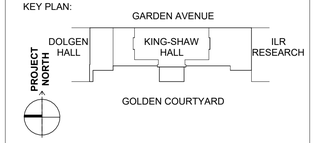


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - SECOND FLOOR - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

DE-201

GENERAL NOTES:

A ALL EXISTING PANELBOARDS ON THIS LEVEL TO BE DEMOLISHED. EXISTING-TO-REMAIN ELECTRICAL COMPONENTS TO BE REFED FROM PANELS PROVIDED BY CONSTRUCTION PHASE.

B REFER TO AV DRAWINGS FOR ADDITIONAL AV DEMOLITION. COORDINATE WITH AV CONTRACTOR.

[X] DEMOLITION NOTES:

1 THIS AREA IS NOT WITHIN THE SCOPE OF THE PROJECT. REFEED CIRCUITS AS NEEDED TO ENABLE OTHER DEMOLITION WORK.

2 EXISTING TELECOM CHASE. (4) 4"SLEEVES UP AND (4) 4" SLEEVES DOWN TO REMAIN.

3 DEMOLISH PANELBOARD IG-3A AND FEED FROM PANELBOARD LP-3CC.

4 DEMOLISH EMERGENCY LIGHTING CONTROL DIMMING PANELBOARD AND FEED FROM PANEL LPE-2CC.

5 DEMOLISH LIGHTING CONTROL DIMMING PANELBOARD. DEMOLISH FEED FROM PANEL LP-3CC.

6 DEMOLISH FEED-THROUGH PANELBOARD LP-3CC FED FROM PANEL LP-4CC. FEED TO PANEL LP-2CC ON LEVEL BELOW TO BE REWORKED.

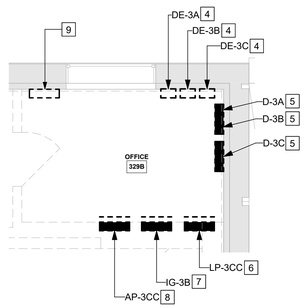
7 DEMOLISH LIGHTING CONTROL DIMMING PANELBOARD. DEMOLISH FEED FROM PANEL LP-3CC.

8 DEMOLISH FEED-THROUGH PANELBOARD AP-3CC FED FROM PANEL AP-4CC. FEED TO PANEL AP-2CC ON FLOOR BELOW TO BE REWORKED.

9 DEMOLISH MICROLITE LIGHTING CONTROLLER.

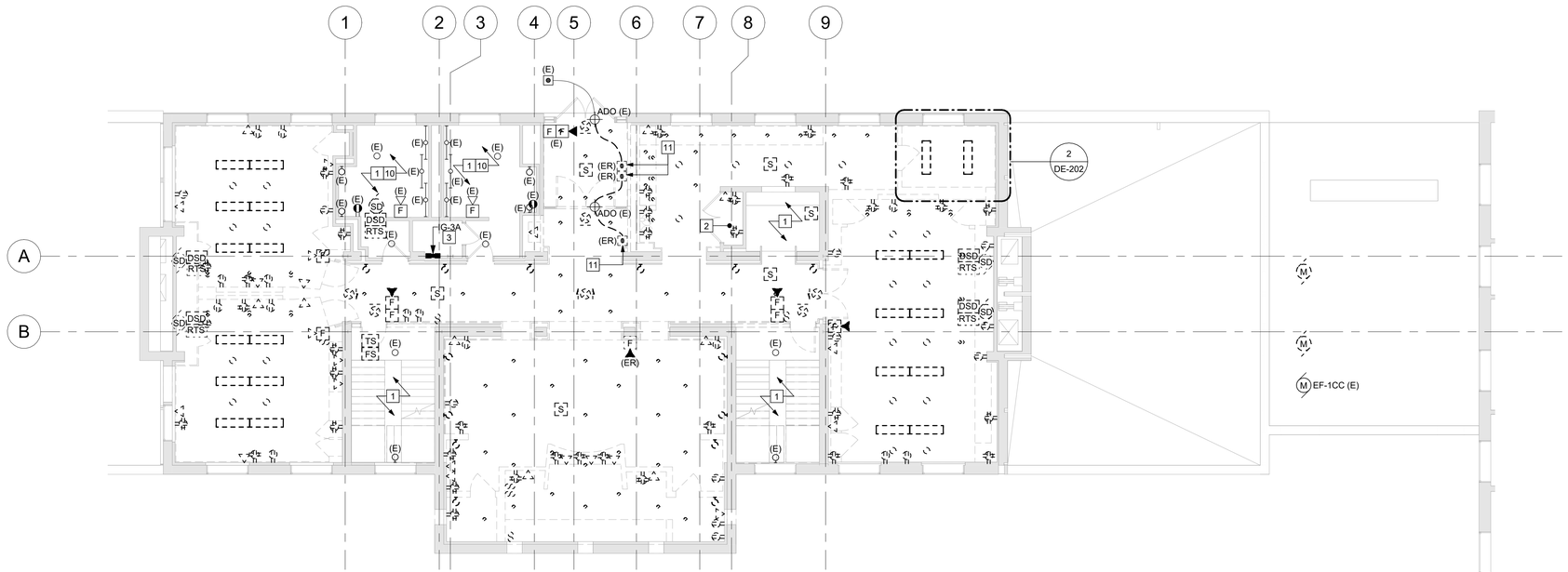
10 SALVAGE RESTROOM POWER AND LIGHTING CIRCUITS FOR EXTENSION TO NEW PANELBOARDS IN CONSTRUCTION PHASE.

11 REMOVE EXISTING PUSH BUTTON FOR AUTOMATIC DOOR OPERATER AND SALVAGE IT FOR REINSTALLATION IN CONSTRUCTION PHASE. REWORK AND EXTEND CIRCUITRY AS NECESSARY FOR A COMPLETE INSTALLATION.



2 THIRD FLOOR ELECTRIC ROOM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



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

0' 4' 8' 16'

OWNER PROJECT NUMBER
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Ithaca, NY 14853

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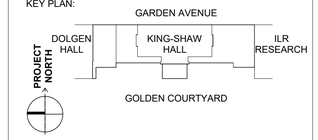


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - THIRD FLOOR - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

DE-202

GENERAL NOTES:

A ALL EXISTING PANELBOARDS ON THIS LEVEL TO BE DEMOLISHED. EXISTIN-TO-REMAIN ELECTRICAL COMPONENTS TO BE REFED FROM PANELS PROVIDED BY CONSTRUCTION PHASE.

B REFER TO AV DRAWINGS FOR ADDITIONAL AV DEMOLITION. COORDINATE WITH AV CONTRACTOR.

[X] DEMOLITION NOTES:

1 THIS AREA IS NOT WITHIN THE SCOPE OF THE PROJECT. REFEED CIRCUITS AS NEEDED TO ENABLE OTHER DEMOLITION WORK.

2 EXISTING TELECOM CHASE. (4) 4"SLEEVES UP AND (4) 4" SLEEVES DOWN TO REMAIN.

3 DEMOLISH MICROLITE LIGHTING CONTROLLER.

4 DEMOLISH LIGHTING CONTROL DIMMING PANELBOARD. DEMOLISH FEED FROM PANEL LP-4CC.

5 DEMOLISH EMERGENCY LIGHTING CONTROL DIMMING PANELBOARD. DEMOLISH FEED FROM PANEL LPE-4CC.

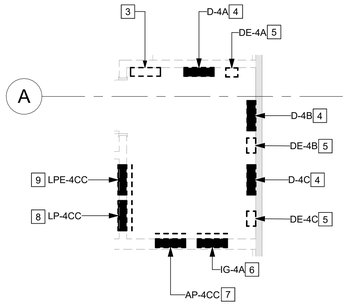
6 DEMOLISH PANELBOARD IG-4A FED FROM PANEL IN THIS ROOM.

7 DEMOLISH FEED-THROUGH PANELBOARD AP-4CC FED FROM PANEL MDPL-5CC. FEED TO PANEL AP-3CC TO BE DEMOLISHED.

8 DEMOLISH FEED-THROUGH PANELBOARD LP-4CC FED FROM PANEL MDPL-5CC. FEED TO PANEL LP-3CC TO BE DEMOLISHED.

9 DEMOLISH EMERGENCY LIGHTING PANELBOARD LPE-4CC, FED FROM PANELBOARD LPE-2CC.

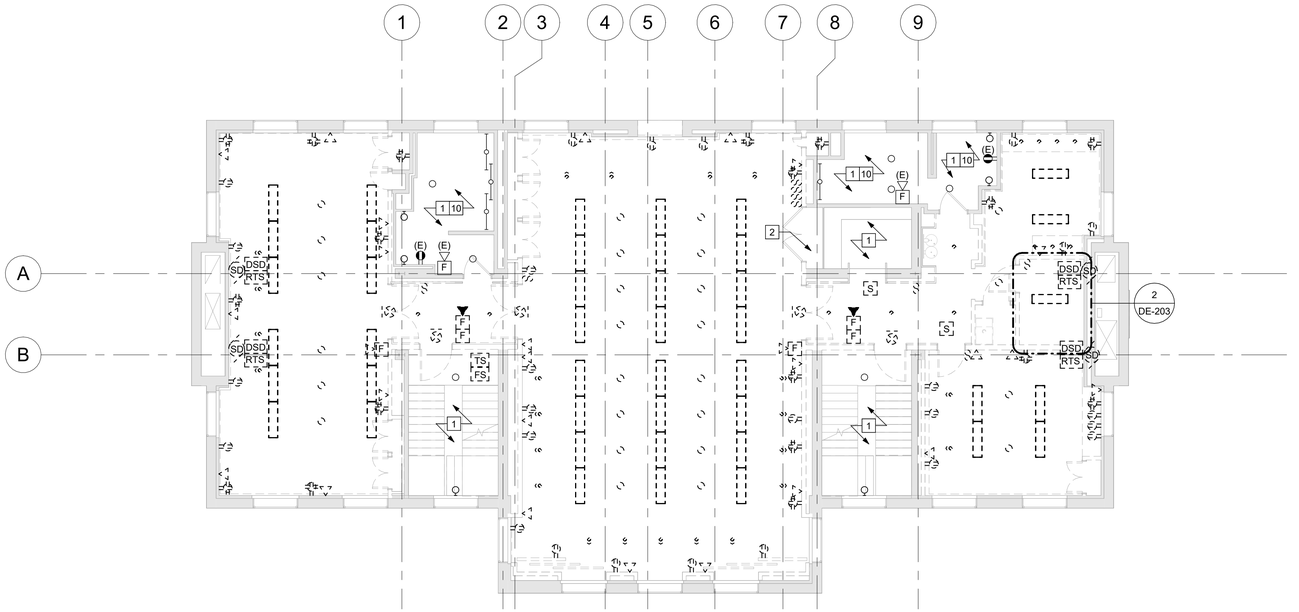
10 SALVAGE RESTROOM POWER AND LIGHTING CIRCUITS FOR EXTENSION TO NEW PANELBOARDS IN CONSTRUCTION PHASE.



2 FOURTH FLOOR ELECTRIC ROOM DEMOLITION PLAN

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

0' 2' 4' 8'



1 FOURTH FLOOR DEMOLITION PLAN - ELECTRICAL

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

0' 4' 8' 16'

OWNER PROJECT NUMBER
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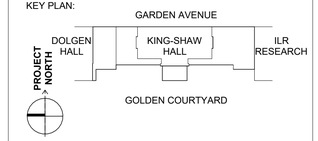


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DEMOLITION PLAN - FOURTH FLOOR - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

DE-203

GENERAL NOTES:

A REFER TO AV DRAWINGS FOR ADDITIONAL AV DEMOLITION. COORDINATE WITH AV CONTRACTOR.

[X] DEMOLITION NOTES:

1 THIS AREA IS NOT WITHIN THE SCOPE OF THE PROJECT. REFEED CIRCUITS AS NEEDED TO ENABLE OTHER DEMOLITION WORK.

2 DEMOLISH EXISTING PANELBOARD IG-5A, FED FROM PANELBOARD AP-5CC-A. ALL EXISTING CIRCUITS TO BE DEMOLISHED.

3 SALVAGE RESTROOM POWER AND LIGHTING CIRCUITS FOR EXTENSION TO NEW PANELBOARDS IN CONSTRUCTION PHASE.

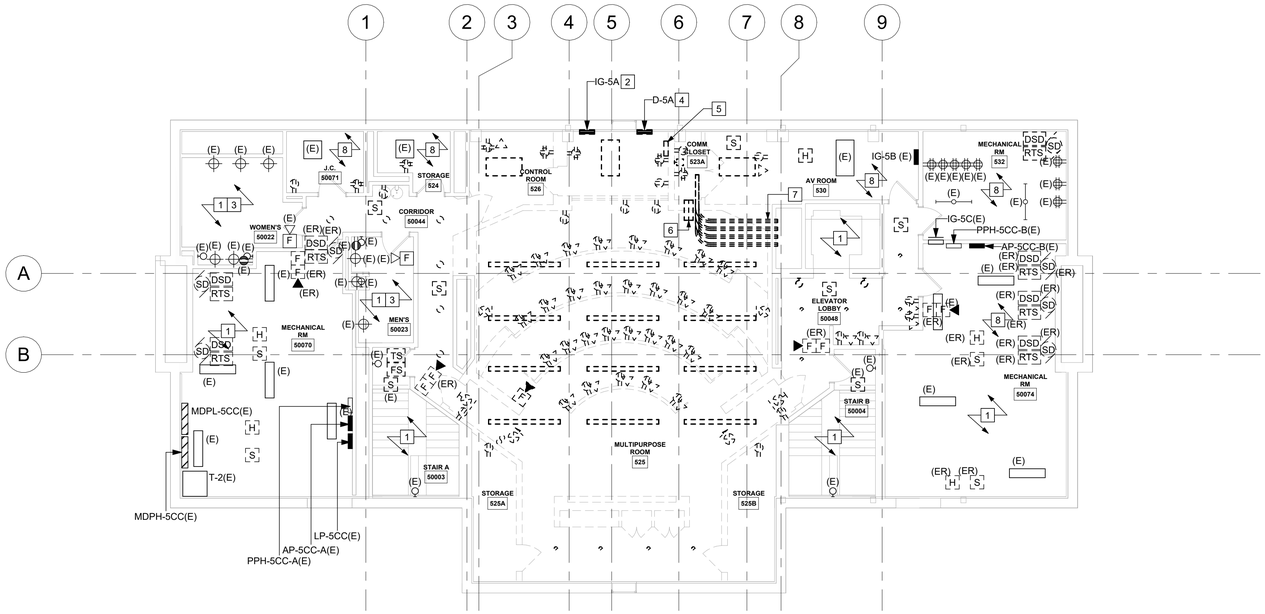
4 DEMOLISH EXISTING LIGHTING CONTROL DIMMING PANELBOARD D-5A. DEMOLISH FEED FROM PANEL LP-5CC.

5 DEMOLISH MICROLITE LIGHTING CONTROLLER.

6 CABLE TRAY RUN UNDER ELEVATED SEATING PLATFORM TO BE DEMOLISHED.

7 4" CONDUITS TO BE DEMOLISHED BACK TO CHASE TO ENABLE OTHER WALL DEMOLITION. CONDUITS TO BE EXTENDED IN CONSTRUCTION PHASE.

8 SALVAGE POWER AND LIGHTING CIRCUITS FOR EXISTING TO REMAIN FIXTURES FOR EXTENSION TO NEW PANELBOARDS IN CONTRUCTION PHASE.



1 FIFTH FLOOR DEMOLITION PLAN - ELECTRICAL

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

0' 4' 8' 16'

OWNER PROJECT NUMBER
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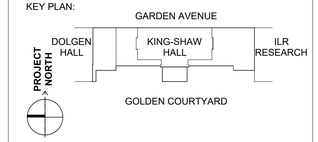


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

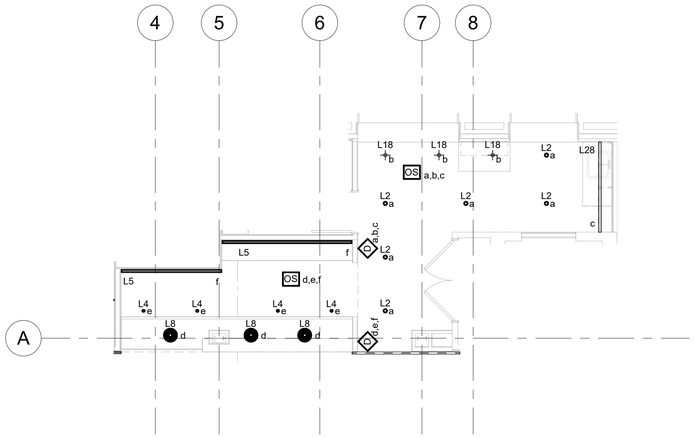
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

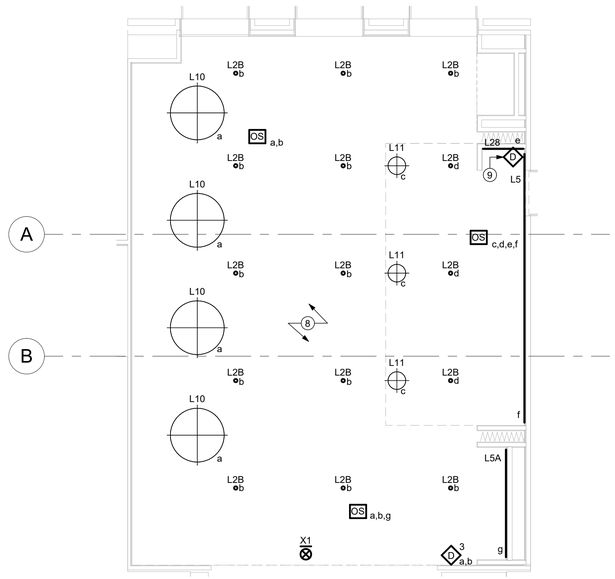
DEMOLITION PLAN - FIFTH FLOOR - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

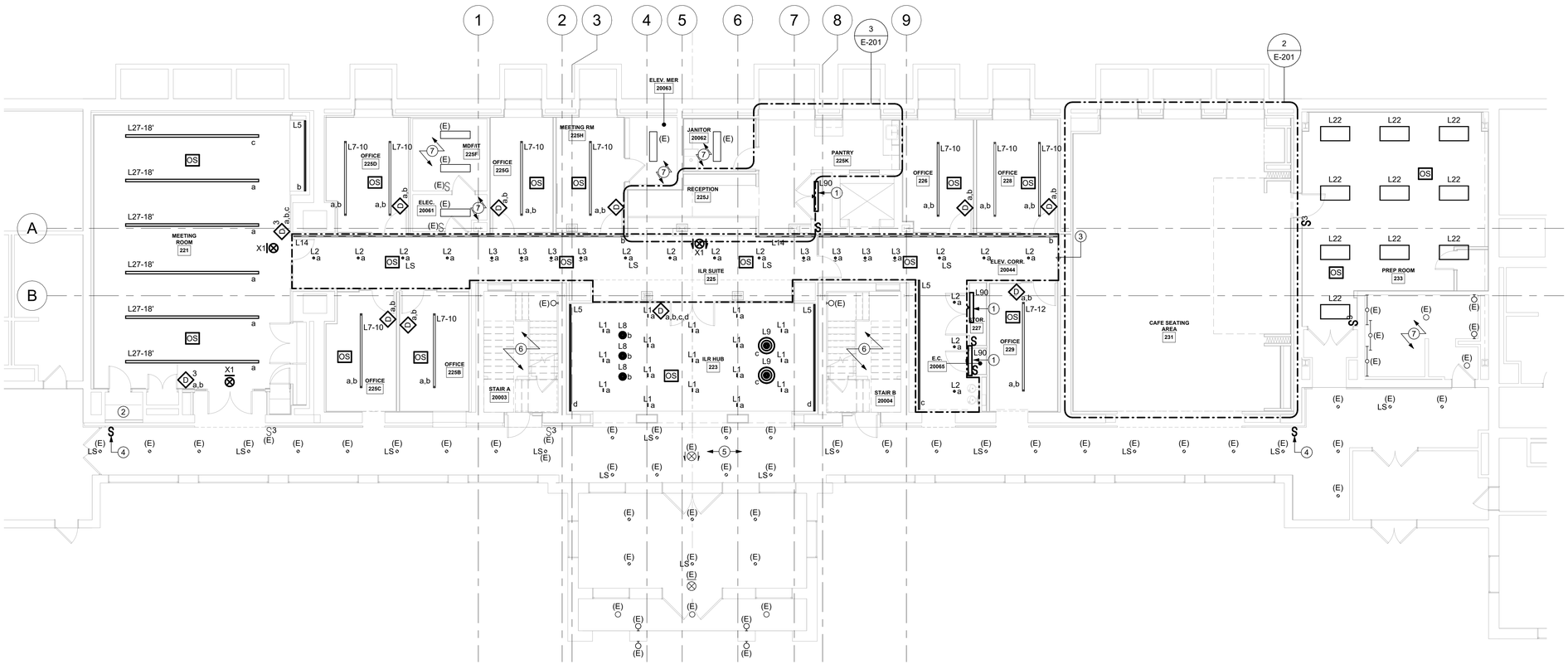
DE-204



3 **SECOND FLOOR PLAN - LIGHTING - Callout 1**
SCALE: 3/16" = 1'-0"



2 **SECOND FLOOR CAFE - ENLARGED PLAN - LIGHTING CONTROL**
SCALE: 3/16" = 1'-0"



1 **SECOND FLOOR PLAN - LIGHTING**
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

GENERAL NOTES:

A COORIDOR LIGHTING AND IRL HUB LIGHTING SHALL BE CIRCUITED TO PANEL LP-2CC, CIRCUIT 1.

B PREP ROOM, CAFE SEATING AREA, AND OFFICE 209 LIGHTING SHALL BE CIRCUITED TO PANEL LP-2CC, CIRCUIT 3.

C MEETING ROOM, OFFICE 207, AND OFFICE 208 LIGHTING SHALL BE CIRCUITED TO PANEL LP-2CC, CIRCUIT 5.

D LIGHTING IN ROOMS PLAN NORTH OF THE CORRIDOR SHALL BE CIRCUITED TO PANEL LP-2CC, CIRCUIT 7.

E ALL EM LIGHTING ON THE SECOND FLOOR SHALL BE CIRCUITED TO PANEL LPE-2CC, CIRCUIT 5 WITH (2)#10AWG & (1)#10EG IN 3/4" CONDUIT.

F ALL EXIT SIGNS ON THE SECOND FLOOR SHALL BE CIRCUITED TO PANEL LPE-2CC, CIRCUIT 8 WITH (2)#10AWG & (1)#10EG IN 3/4" CONDUIT.

ⓧ DRAWING NOTES:

1 WALL-MOUNT FIXTURE CENTERED ABOVE DOOR. COORDINATE WITH OTHER SERVICES AS NEEDED.

2 PROVIDE I/O CONTROL MODULES AS REQUIRED BY AV DOCUMENTS.

3 LIGHTING TO BE CONTROLLED BY THE BMS IN THIS AREA. PROVIDE EMERGENCY ELCU DEVICE AHEAD OF CONTROLS. COORDINATE WITH CONTROLS CONTRACTOR.

4 PROVIDE LIGHT SWITCH FOR CORRIDOR LIGHTS. PROVIDE POWER PACKS AS NEEDED TO INTERFACE WITH EXISTING CONTROLS. PROVIDE TEMPORARY POWER FOR CORRIDOR LIGHTING AS NEEDED DURING CONSTRUCTION. COORDINATE FINAL LOCATION IN FIELD WITH OWNER.

5 NORMAL-POWER CORRIDOR LIGHTING TO BE FED FROM PANEL APP-1CC. EMERGENCY-POWER CORRIDOR AND VESTIBULE LIGHTING TO BE FED FROM PANEL LPE-2CC. PROVIDE UL-924 RELAYS AS NEEDED FOR POTENTIAL REWORK OF EXISTING-TO-REMAIN CORRIDOR LIGHTING.

6 STAIR LIGHTING IS EXISTING-TO-REMAIN. PROVIDE TEMPORARY SERVICES AS NEEDED DURING CONSTRUCTION. REFEED EXISTING CIRCUITRY AS NECESSARY.

7 ROOM LIGHTING IS EXISTING-TO-REMAIN. PROVIDE TEMPORARY SERVICES AS NEEDED DURING CONSTRUCTION. REFEED EXISTING CIRCUIT AS NECESSARY.

8 PROVIDE DIGITAL ROOM CONTROLLERS AND DEVICES FOR THIS ROOM. PROVIDE CONTROLS AS NOTED.

9 PROVIDE (7) DISCRETE DIMMER DEVICES AT THIS LOCATION, ONE DEVICE PER ZONE, FOR ZONES A THROUGH G.

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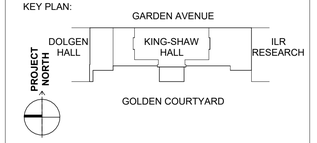
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - SECOND FLOOR - LIGHTING

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

E-201

GENERAL NOTES:

A CORRIDOR, LOUNGE, AND VESTIBULE LIGHTING SHALL BE CIRCUITED TO PANEL LP-3CC, CIRCUIT 1.

B ADMIN 305, OFFICES 305A, 305B, AND 305C, COPY ROOM, AND TOUCHDOWN LIGHTING SHALL BE CIRCUITED TO PANEL LP-3CC, CIRCUIT 3.

C ADMIN 307, OFFICES 307A, 307B, 307C, 307D, AND 307E, AND PHONEBOOTH LIGHTING SHALL BE CIRCUITED TO PANEL LP-3CC CIRCUIT 5.

D OFFICE 301, OFFICE 303, AND CONFERENCE ROOM LIGHTING SHALL BE CIRCUITED TO PANEL LP-3CC, CIRCUIT 7.

E ALL EM LIGHTING ON THE THIRD FLOOR SHALL BE CIRCUITED TO PANEL LPE-3CC, CIRCUIT 1 WITH (2)#10AWG & (1)#10EG IN 3/4" CONDUIT.

F ALL EXIT SIGNS ON THE THIRD FLOOR SHALL BE CIRCUITED TO PANEL LPE-3CC, CIRCUIT 3 WITH (2)#10AWG & (1)#10EG IN 3/4" CONDUIT.

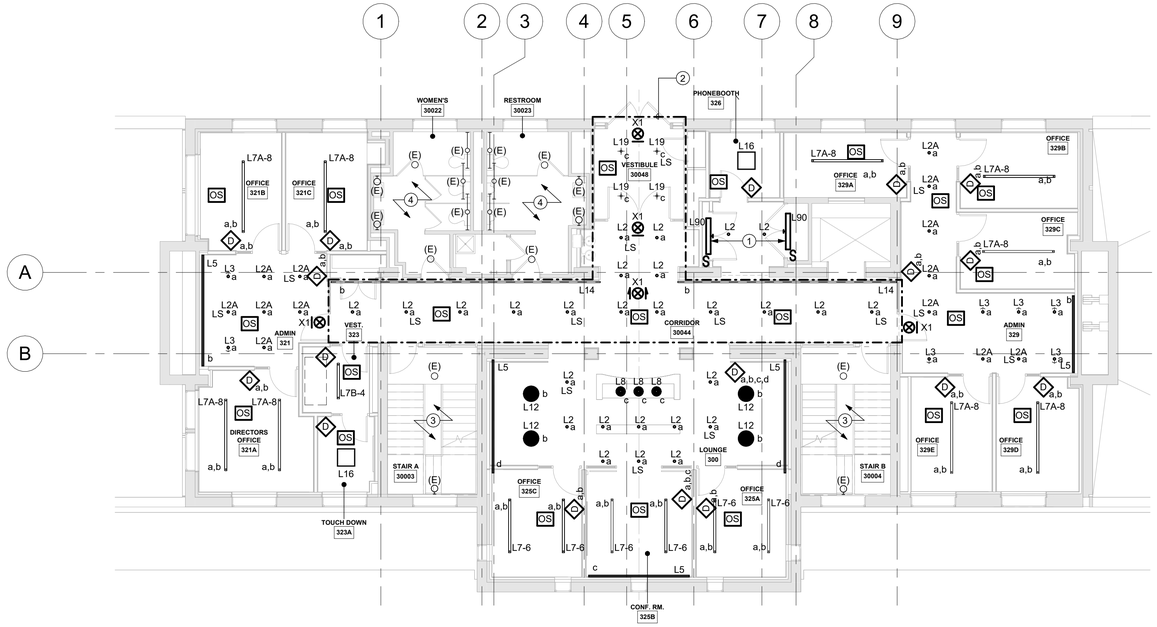
ⓧ DRAWING NOTES:

1 WALL-MOUNT FIXTURE CENTERED ABOVE DOOR. COORDINATE WITH OTHER SERVICES AS NEEDED.

2 LIGHTING TO BE CONTROLLED BY THE BMS IN THIS AREA. PROVIDE EMERGENCY ELCU DEVICE AHEAD OF CONTROLS. COORDINATE WITH CONTROLS CONTRACTOR.

3 STAIR LIGHTING IS EXISTING-TO-REMAIN. PROVIDE TEMPORARY SERVICES AS NEEDED DURING CONSTRUCTION. REFEED EXISTING CIRCUITRY AS NECESSARY.

4 REWORK AND EXTEND EXISTING LIGHTS IN THESE ROOMS TO NEW PANELBOARDS ON THIS FLOOR.



1 THIRD FLOOR PLAN - LIGHTING

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

0' 4' 8' 16'

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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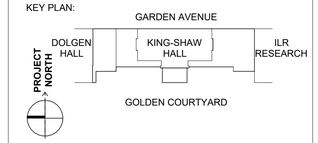


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - THIRD FLOOR - LIGHTING

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

E-202

GENERAL NOTES:

A COORIDOR AND LOUNGE LIGHTING SHALL BE CIRCUITED TO PANEL LP-3CC, CIRCUIT 2.

B EXECUTIVE ASSISTANT, DEAN OFFICE, AND CONFERENCE ROOM LIGHTING SHALL BE CIRCUITED TO PANEL LP-3CC, CIRCUIT 4.

C OFFICES 406, 406A, 406B, AND 406C LIGHTING SHALL BE CIRCUITED TO PANEL LP-3CC, CIRCUIT 6.

D PANTRY, OFFICES 404, 404A, AND 404B, TOUCHDOWN, AND CONFERENCE ROOM LIGHTING SHALL BE CIRCUITED TO PANEL LP-3CC, CIRCUIT 8.

E ALL EM LIGHTING ON THE FOURTH FLOOR SHALL BE CIRCUITED TO PANEL LPE-3CC, CIRCUIT 10 WITH (2)#10AWG & (1)#10EG IN 3/4" CONDUIT.

F ALL EXIT SIGNS ON THE FOURTH FLOOR SHALL BE CIRCUITED TO PANEL LPE-3CC, CIRCUIT 12 WITH (2)#10AWG & (1)#10EG IN 3/4" CONDUIT.

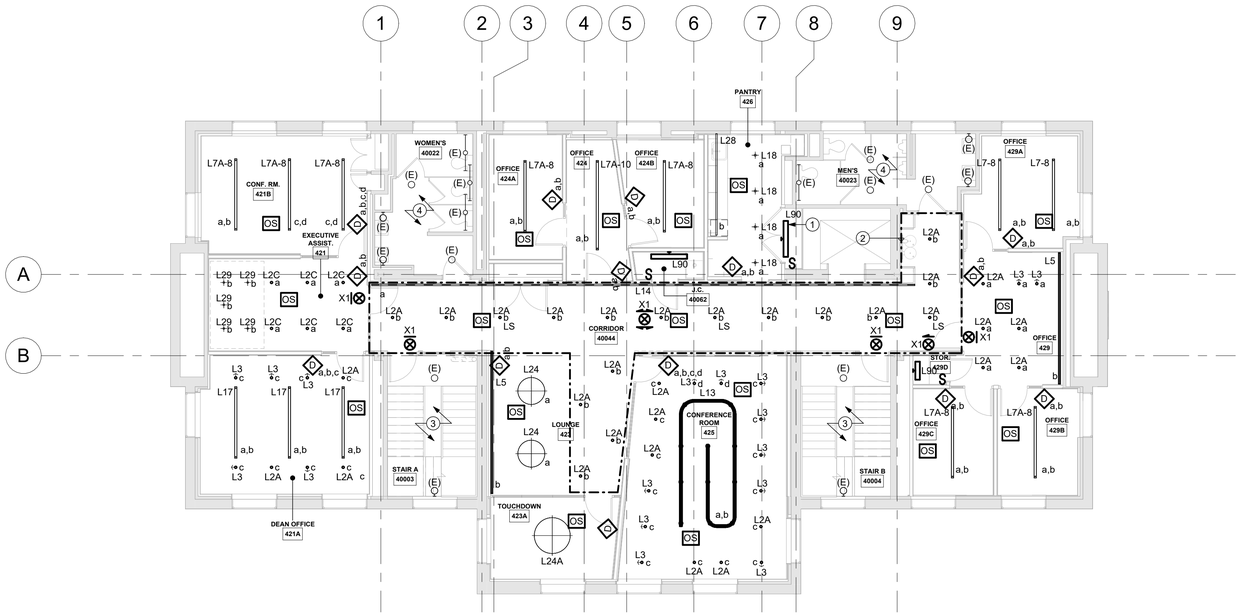
ⓧ DRAWING NOTES:

1 WALL-MOUNT FIXTURE CENTERED ABOVE DOOR. COORDINATE WITH OTHER SERVICES AS NEEDED.

2 LIGHTING TO BE CONTROLLED BY THE BMS IN THIS AREA. PROVIDE EMERGENCY ELCU DEVICE AHEAD OF CONTROLS. COORDINATE WITH CONTROLS CONTRACTOR.

3 STAIR LIGHTING IS EXISTING-TO-REMAIN. PROVIDE TEMPORARY SERVICES AS NEEDED DURING CONSTRUCTION. REFEED EXISTING CIRCUITRY AS NECESSARY.

4 REWORK AND EXTEND EXISTING LIGHTS IN THESE ROOMS TO NEW PANELBOARDS ON THIS FLOOR.



1 FOURTH FLOOR PLAN - LIGHTING

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

0' 4' 8' 16'

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

ARCHITECT:
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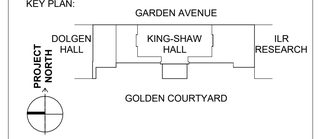


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

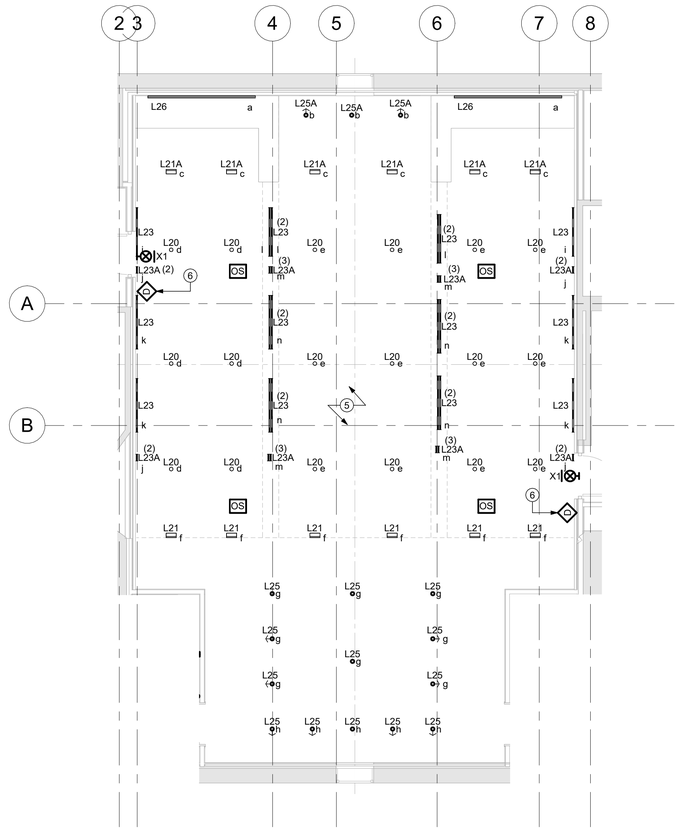
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - FOURTH FLOOR - LIGHTING

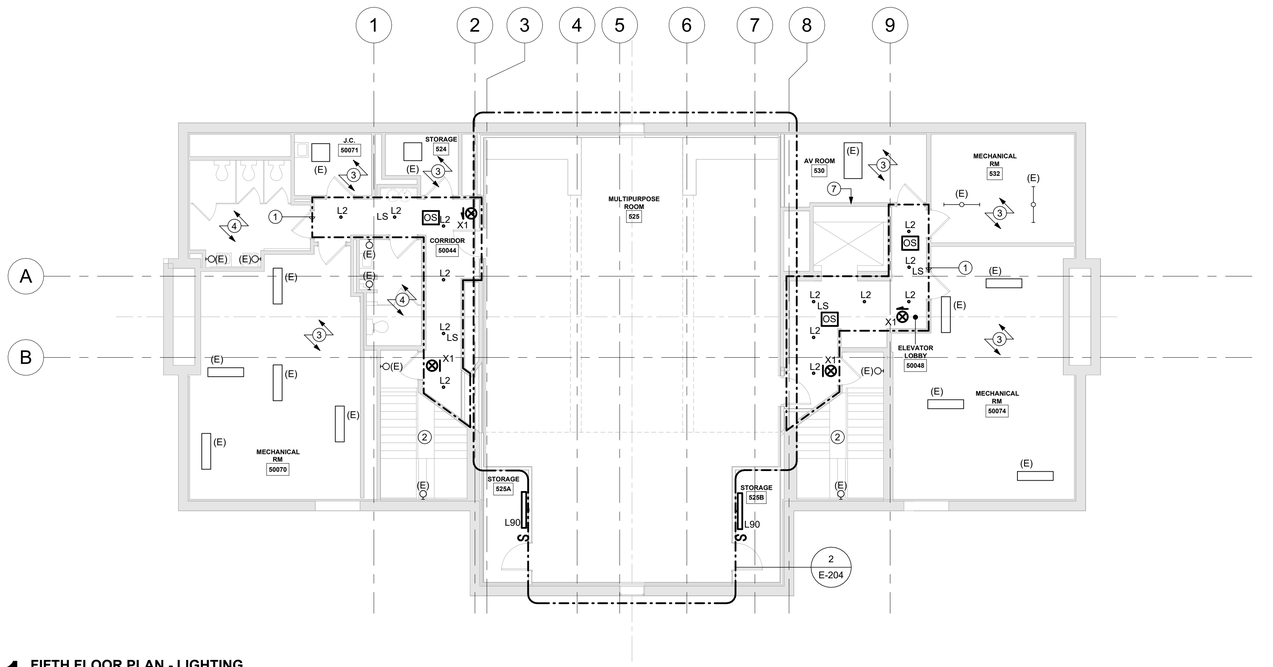
PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

E-203



2 FIFTH FLOOR MULTIPURPOSE ROOM - ENLARGED PLAN - LIGHTING CONTROL

SCALE: 3/16" = 1'-0"



1 FIFTH FLOOR PLAN - LIGHTING

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

0' 4' 8' 16'

GENERAL NOTES:

A COORIDOR LIGHTING SHALL BE CIRCUITED TO PANEL LP-5CC, CIRCUIT 1.

B MULTIPURPOSE ROOM LIGHTING SHALL BE CIRCUITED TO PANEL LP-5CC, CIRCUIT 3.

C ALL EM LIGHTING ON THE FIFTH FLOOR SHALL BE CIRCUITED TO PANEL LPE-3CC, CIRCUIT 15 WITH (2)#10AWG & (1)#10EG IN 3/4" CONDUIT.

D ALL EXIT SIGNS ON THE FIFTH FLOOR SHALL BE CIRCUITED TO PANEL LPE-3CC, CIRCUIT 13 WITH (2)#10AWG & (1)#10EG IN 3/4" CONDUIT.

ⓧ DRAWING NOTES:

1 LIGHTING TO BE CONTROLLED BY THE BMS IN THIS AREA. PROVIDE EMERGENCY ELCU DEVICE AHEAD OF CONTROLS. COORDINATE WITH CONTROLS CONTRACTOR.

2 STAIR LIGHTING IS EXISTING-TO-REMAIN. PROVIDE TEMPORARY SERVICES AS NEEDED DURING CONSTRUCTION.

3 ROOM LIGHTING IS EXISTING-TO-REMAIN. PROVIDE TEMPORARY SERVICES AS NEEDED DURING CONSTRUCTION. REFEED EXISTING CIRCUIT AS NECESSARY.

4 REWORK AND EXTEND EXISTING LIGHTS IN THESE ROOMS TO NEW PANELBOARDS ON THIS FLOOR.

5 PROVIDE DIGITAL ROOM CONTROLLERS FOR ALL LIGHTING ZONES IN THIS ROOM.

6 PROVIDE (2) SINGLE-GANG SCENE CONTROL DEVICES IN ONE, TWO-GANG BACK BOX AT THIS LOCATION. COORDINATE WITH OWNER FOR FINAL SCENE SETTINGS.

7 PROVIDE (1) DIMMER FOR EACH MULTIPURPOSE ROOM CONTROL ZONE IN AV ROOM. COORDINATE LOCATION IN FIELD WITH OWNER AND AV CONTRACTOR. PROVIDE ACCESSORIES FOR CONTROL AND INTERFACE FOR ALL ZONES WITH AV EQUIPMENT. COORDINATE WITH AV REQUIREMENTS.

CORNELL UNIVERSITY FOUNDED A.D. 1865

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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LIGHTING DESIGN:
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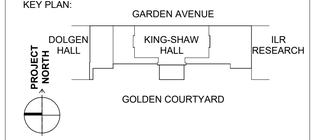


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

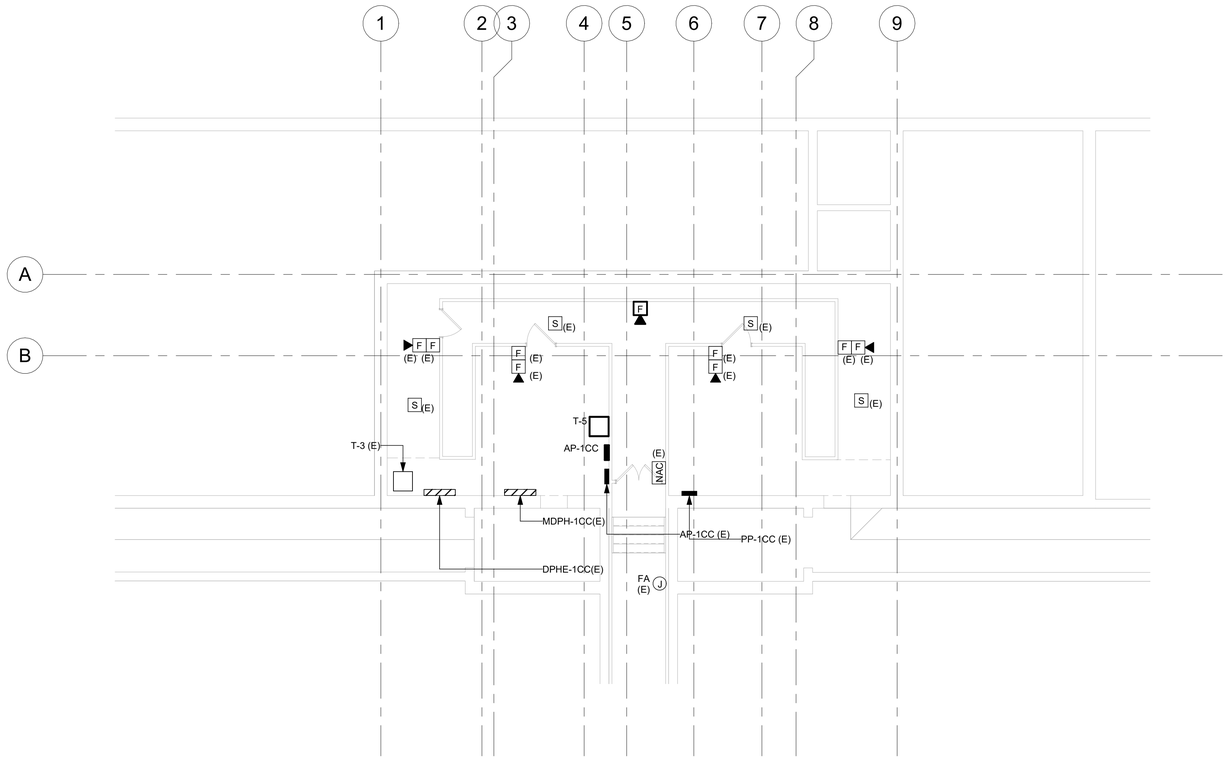
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - FIFTH FLOOR - LIGHTING

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

E-204



1 BASEMENT PLAN - POWER & SPECIAL SYSTEMS

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

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

ARCHITECT:
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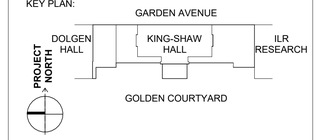


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - BASEMENT - POWER & SPECIAL SYSTEMS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

E-210

GENERAL NOTES:

A UNLESS OTHERWISE INDICATED, DEVICES ON THIS FLOOR SHALL BE CIRCUITED TO EXISTING PANEL AP-2CC.

ⓧ DRAWING NOTES:

1 REWORK AND EXTEND EXISTING 150A FEEDER FROM DEMOLISHED PANELBOARD TO THIS LOCATION. PROVIDE 150A MCB, 42-SPACE, 120/208V PANEL FOR KITCHEN EQUIPMENT AT THIS LOCATION.

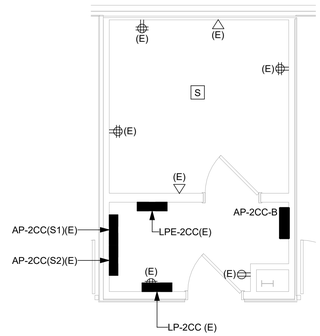
2 REFER TO KITCHEN EQUIPMENT DRAWINGS AND SCHEDULES FOR COORDINATED UTILITIES AND LOCATIONS.

3 SMOKE DETECTOR SHALL BE USED FOR ELEVATOR RECALL.

4 HEAT DETECTOR SHALL BE INSTALLED WITHIN 2'-0" OF SPRINKLER HEAD. PROVIDE SHUNT TRIP CIRCUITING FOR ELEVATOR COMPONENTS.

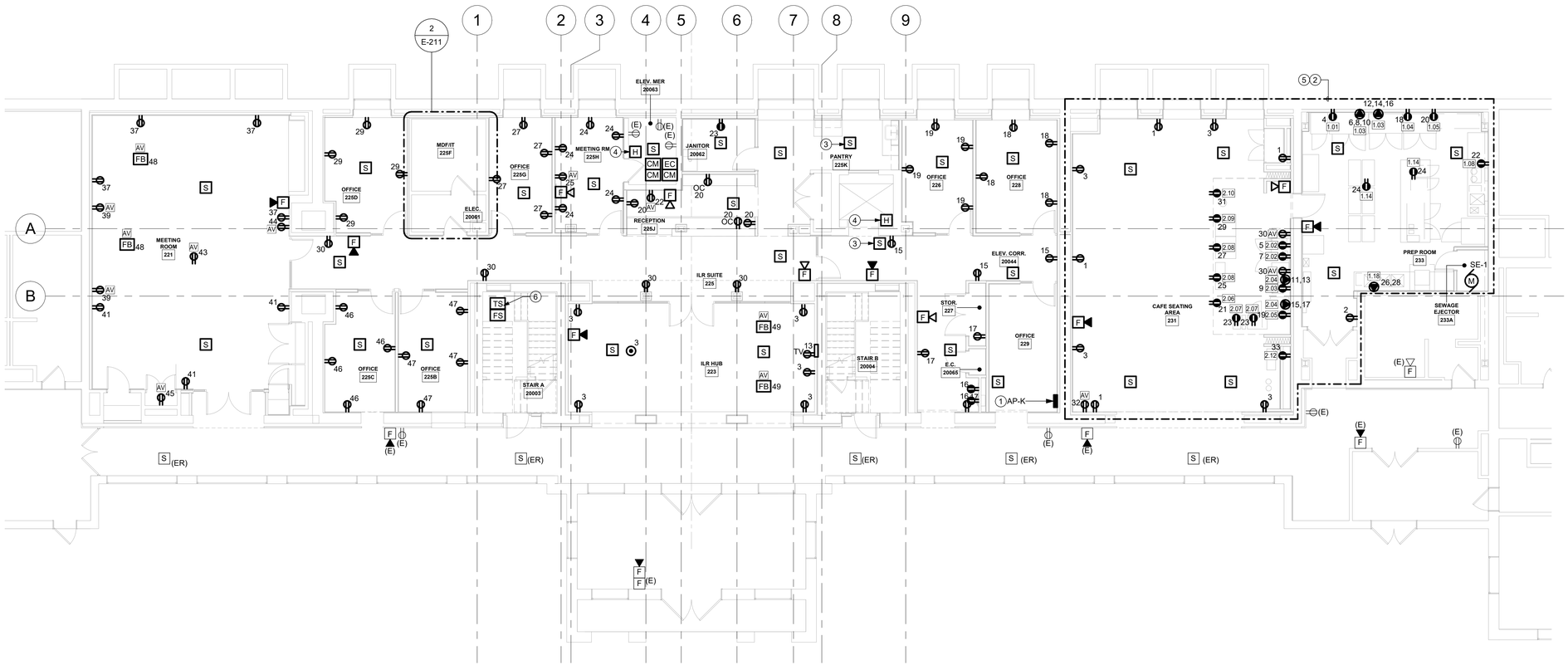
5 DEVICES IN THIS AREA SHALL BE CIRCUITED TO PANEL AP-K.

6 PROVIDE MODULES FOR EXISTING TAMPER AND FLOW SWITCHES.



2 SECOND FLOOR ENLARGED PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



1 SECOND FLOOR PLAN - POWER & SPECIAL SYSTEMS
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

OWNER PROJECT NUMBER
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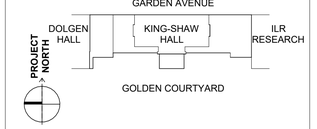
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - SECOND FLOOR - POWER & SPECIAL SYSTEMS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

E-211

GENERAL NOTES:

A UNLESS OTHERWISE INDICATED, DEVICES ON THIS FLOOR SHALL BE CIRCUITED TO EXISTING PANEL AP-3CC.

B CIRCUIT ALL SMOKE DAMPERS ON THIS FLOOR TO PANELBOARD LPE-3CC, CIRCUIT NUMBER 5. EXTEND CIRCUIT TO COVER EXISTING-TO-REMAIN SMOKE DAMPERS.

ⓧ DRAWING NOTES:

1 PROVIDE 100A FEED-THROUGH PANELBOARD. TO BE FED FROM PANEL AP-4CC, TO FEED AP-2CC. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.

2 PROVIDE 100A FEED-THROUGH PANELBOARD. TO BE FED FROM PANEL LP-4CC, TO FEED LP-2CC. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.

3 POWER AND POKE-THRUS AT THIS DESK TO BE FED FROM BELOW.

4 SMOKE DETECTOR SHALL BE USED FOR ELEVATOR RECALL.

5 DEVICES TO BE INSTALLED ADJACENT TO FIRE DEPARTMENT CONNECTION. PROVIDE CONNECTION TO EXISTING FLOW SWITCHES FOR ALARM BELL FUNCTIONALITY. PROVIDE CIRCUIT FROM EMERGENCY PANELBOARD.

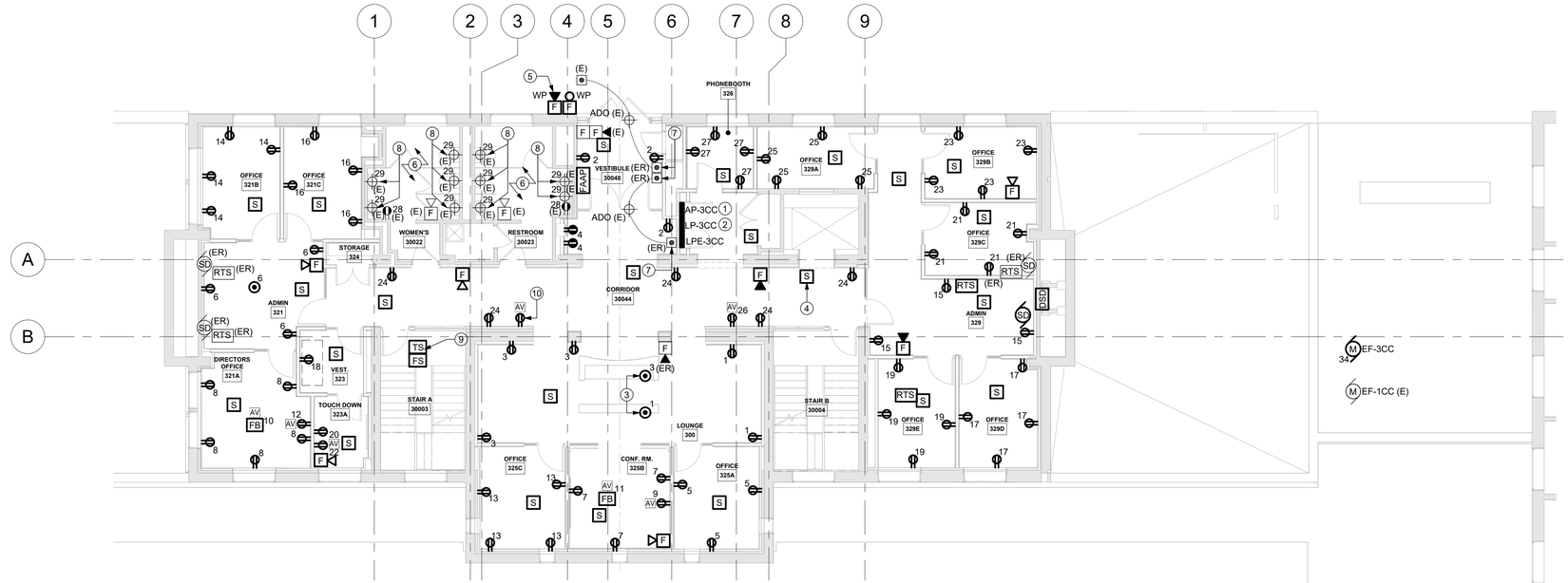
6 REWORK AND EXTEND CIRCUITRY FOR DEVICES IN THIS ROOM TO NEW PANELBOARD AP-3CC ON THIS FLOOR, CIRCUIT NUMBER AS SHOWN.

7 REINSTALL PUSH BUTTON FOR AUTOMATIC DOOR OPERATOR SALVAGED FROM DEMOLITION PHASE. REWORK AND EXTEND CIRCUITRY AS NECESSARY FOR A COMPLETE INSTALLATION.

8 EXISTING LOW VOLTAGE TRANSFORMER FOR AUTOMATIC FLUSH AND AUTOMATIC FAUCETS.

9 PROVIDE MODULES FOR EXISTING TAMPER AND FLOW SWITCHES.

10 PROVIDE BACKBOX FOR INSTALLATION OF FUTURE AV COMPONENTS.



1 THIRD FLOOR PLAN - POWER & SPECIAL SYSTEMS

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

0' 4' 8' 16'

OWNER PROJECT NUMBER
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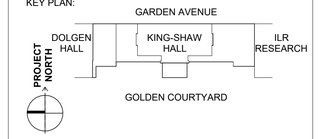
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - THIRD FLOOR - POWER & SPECIAL SYSTEMS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

E-212

GENERAL NOTES:

A UNLESS OTHERWISE INDICATED, DEVICES ON THIS FLOOR SHALL BE CIRCUITED TO EXISTING PANEL AP-4CC.

ⓧ DRAWING NOTES:

1 PROVIDE 100A FEED-THROUGH PANELBOARD. TO BE FED FROM PANEL MDPL-5CC, TO FEED AP-3CC. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.

2 PROVIDE 100A FEED-THROUGH PANELBOARD. TO BE FED FROM PANEL MDPL-5CC, TO FEED LP-3CC. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.

3 PROVDE 100A MLO PANELBOARD FOR EMERGENCY LIGHTING LOADS. TO BE FED FROM PANEL LPE-2CC.

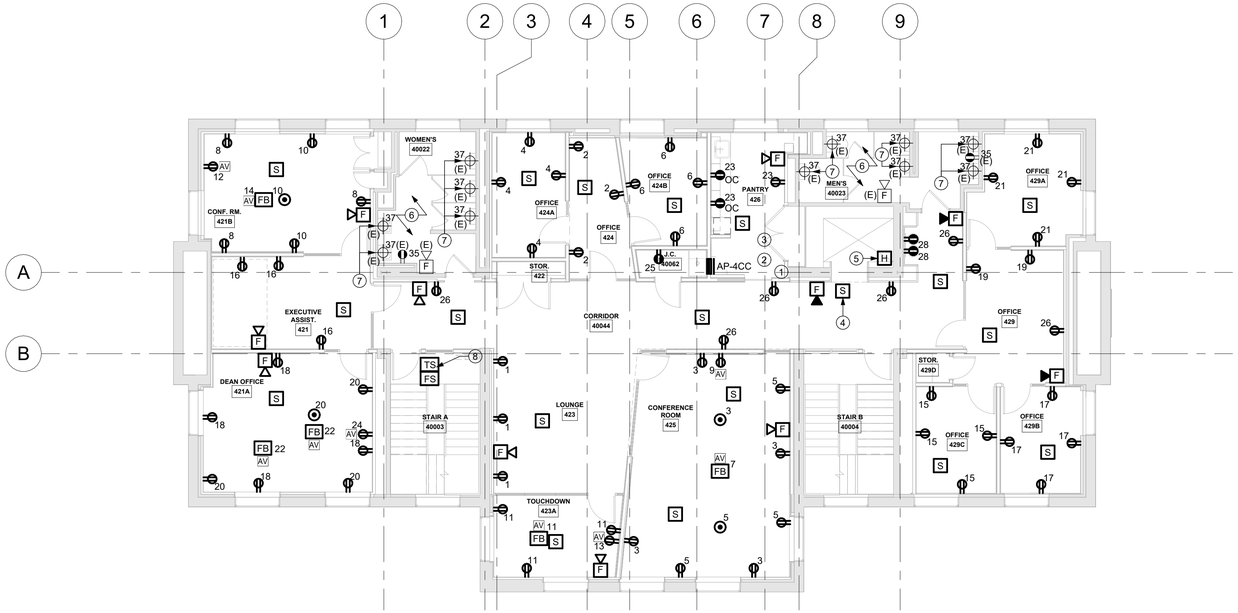
4 SMOKE DETECTOR SHALL BE USED FOR ELEVATOR RECALL.

5 HEAT DETECTOR SHALL BE INSTALLED WITHIN 2'-0" OF SPRINKLER HEAD.

6 REWORK AND EXTEND CIRCUITRY FOR DEVICES IN THIS ROOM TO NEW PANELBOARD AP-4CC ON THIS FLOOR, CIRCUIT NUMBER AS SHOWN.

7 EXISTING LOW VOLTAGE TRANSFORMER FOR AUTOMATIC FLUSH AND AUTOMATIC FAUCETS.

8 PROVIDE MODULES FOR EXISTING TAMPER AND FLOW SWITCHES.



1 FOURTH FLOOR PLAN - POWER & SPECIAL SYSTEMS

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

0' 4' 8' 16'

OWNER PROJECT NUMBER
Cornell University
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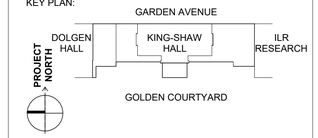


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - FOURTH FLOOR - POWER & SPECIAL SYSTEMS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

E-213

GENERAL NOTES:

A UNLESS OTHERWISE INDICATED, DEVICES ON THIS FLOOR SHALL BE CIRCUITED TO EXISTING PANEL AP-4CC.

ⓧ DRAWING NOTES:

1 SMOKE DETECTOR SHALL BE USED FOR ELEVATOR RECALL.

2 HEAT DETECTOR SHALL BE INSTALLED WITHIN 2'-0" OF SPRINKLER HEAD.

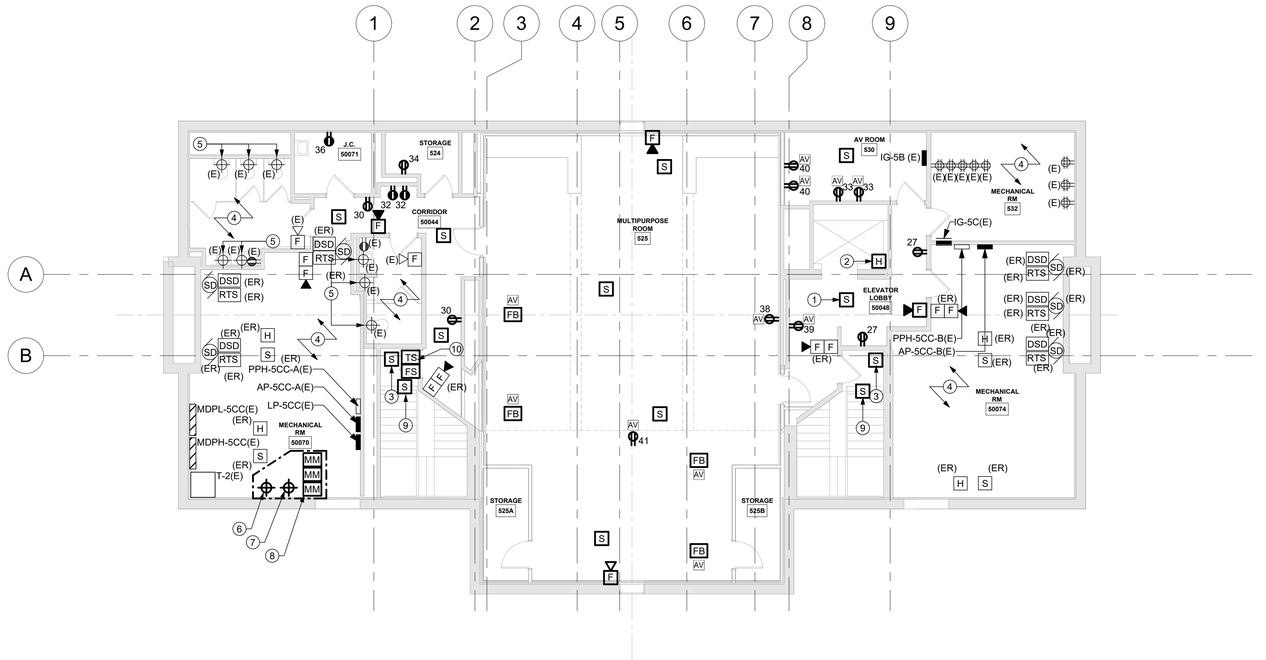
3 PROVIDE REMOTE TEST STATION FOR SMOKE DETECTORS AT TOP OF DECOMMISSIONED SMOKE HATCH.

4 DEVICES IN THIS AREA ARE EXISTING-TO-REMAIN. REFEED CIRCUITS AS NECESSARY.

5 EXISTING LOW VOLTAGE TRANSFORMER FOR AUTOMATIC FLUSH AND AUTOMATIC FAUCETS.

9 DEVICE TO BE INSTALLED AT LOCATION OF DEVICE REMOVED DURING DEMOLITION.

10 PROVIDE MODULES FOR EXISTING TAMPER AND FLOW SWITCHES.



1 FIFTH FLOOR PLAN - POWER & SPECIAL SYSTEMS

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

0' 4' 8' 16'

OWNER PROJECT NUMBER
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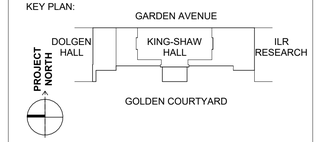


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

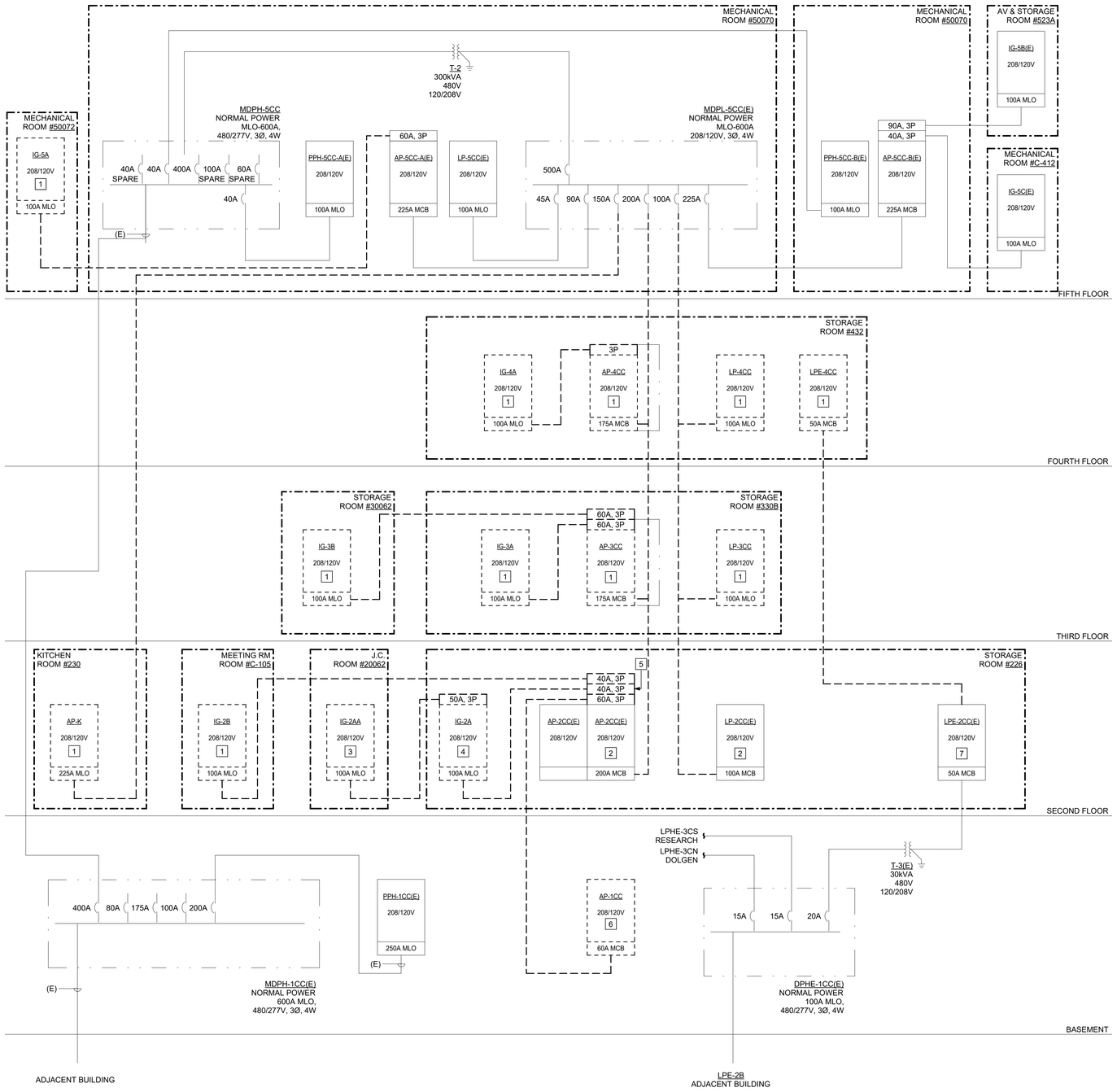
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

FLOOR PLAN - FIFTH FLOOR - POWER & SPECIAL SYSTEMS

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

E-214



1 **POWER DISTRIBUTION - ONE LINE DIAGRAM - DEMOLITION**
SCALE: NTS

GENERAL NOTES:

A COORDINATE ALL SHUTDOWNS WITH OWNER.

B ALL DEMOLISHED PANELBOARDS TO BE TURNED OVER TO OWNER.

[X] DEMOLITION NOTES:

1 DEMOLISH PANELBOARD AND FEEDER BACK TO SOURCE.

2 PANELBOARD TO BE REFED IN CONSTRUCTION PHASE.

3 REMOVE AND SALVAGE PANELBOARD. DEMOLISH FEEDER BACK TO SOURCE. REWORK AND EXTEND (16) 20A, 1P CIRCUITS AND (2) 20A, 1P GFCI BREAKER CIRCUITS TO REPLACEMENT PANELBOARD APP-1CC TO BE PROVIDED FOR PHASING PRIOR TO FLOOR-TO-FLOOR DEMOLITION. COORDINATE OUTAGES WITH OWNER. PROVIDE TEMPORARY POWER AS NEEDED DURING CONSTRUCTION.

4 PANELBOARD TO BE DEMOLISHED. DEMOLISH FEEDER BACK TO SOURCE. REWORK UP TO (4) 20A, 1P EXISTING-TO-REMAIN CIRCUITS TO EXISTING PANELBOARD APP-2CC. COORDINATE OUTAGES WITH OWNER.

5 REMOVE EXISTING 40A, 3P CIRCUIT BREAKER TO PREPARE FOR UPDATED FEEDER CIRCUIT BREAKER. REFER TO CONSTRUCTION ONE-LINE DIAGRAM.

6 PANELBOARD TO BE DEMOLISHED IN PHASING. (12) 20A, 1P CIRCUITS, (1) 20A, 3P CIRCUIT, AND (1) 20A, 2P CIRCUIT TO BE RELOCATED TO REPLACEMENT PANEL AP-1CC. REFER TO CONSTRUCTION PHASE ONE-LINE DIAGRAM.

7 DEMOLISHED EMERGENCY LIGHTING PANEL CIRCUITS TO BE MADE SPARE.

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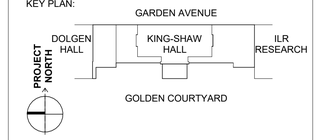


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

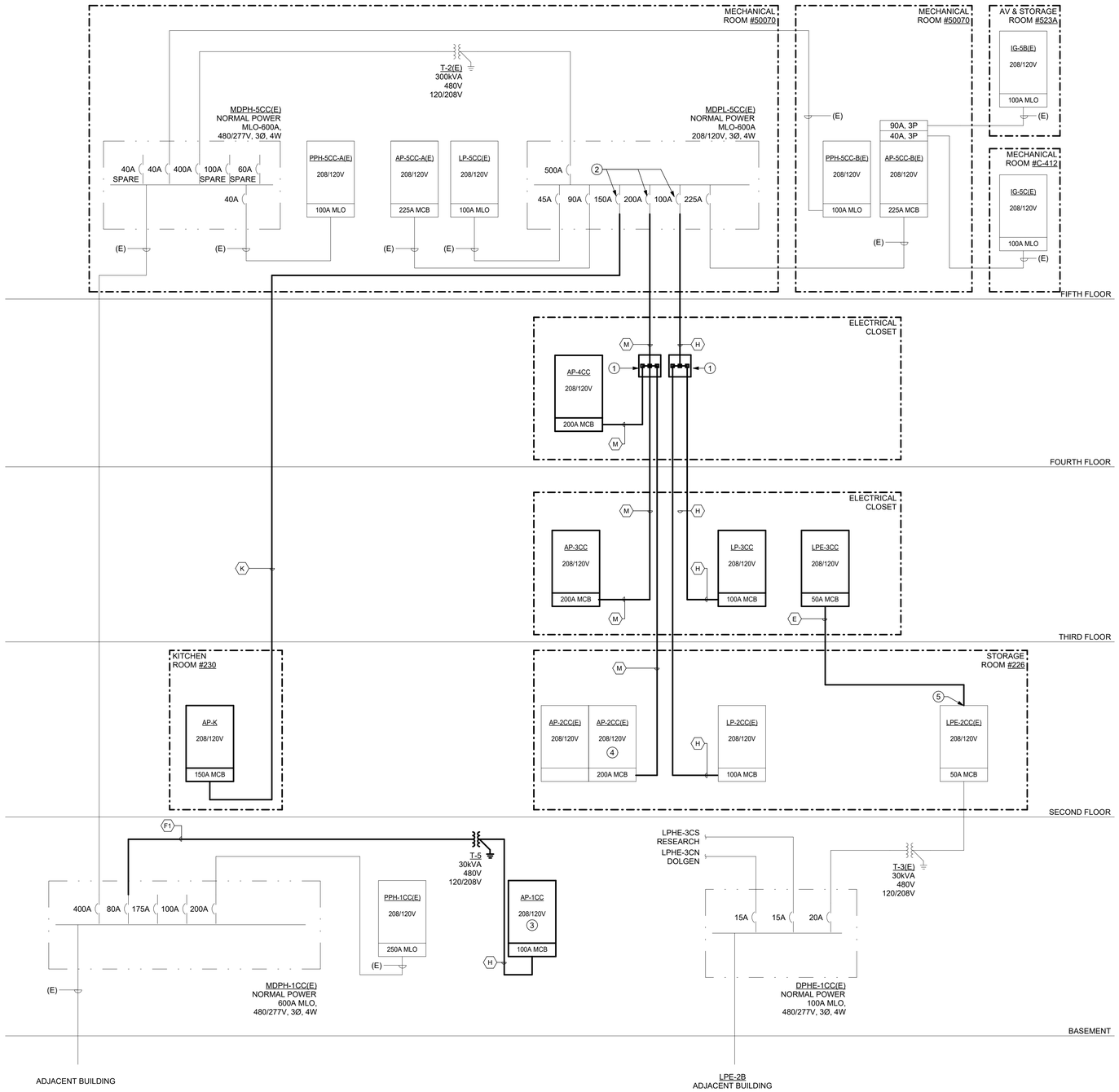
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

ONE-LINE DIAGRAM - POWER - DEMOLITION

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NTS**

E-300



1 **POWER DISTRIBUTION - ONE LINE DIAGRAM**
SCALE: NTS

GENERAL NOTES:

A COORDINATE ALL SHUTDOWNS WITH OWNER.

ⓧ DRAWING NOTES:

1 PROVIDE FEEDER TAP AND JUNCTION BOX WITH FLUSH-MOUNT COVER ADJACENT TO AP-4CC.

2 CONNECT TO EXISTING CIRCUIT BREAKER MADE SPARE DURING DEMOLITION.

3 PROVIDE PANELBOARD ADJACENT TO TO-BE-DEMOLISHED PANELBOARD AP-1CC. RELOCATE CIRCUITS FROM EXISTING-TO-BE-DEMOLISHED PANELBOARD TO AP-1CC. REFER TO DEMOLITION ONE-LINE DIAGRAM.

4 PROVIDE TEMPORARY FEEDS FOR CIT CIRCUITS FROM AP-1CC AS NEEDED DURING CONSTRUCTION.

5 CONNECT TO EXISTING LUGS MADE SPARE DURING DEMOLITION.

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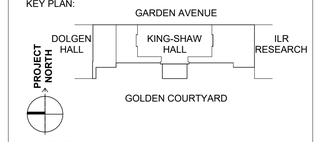


PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

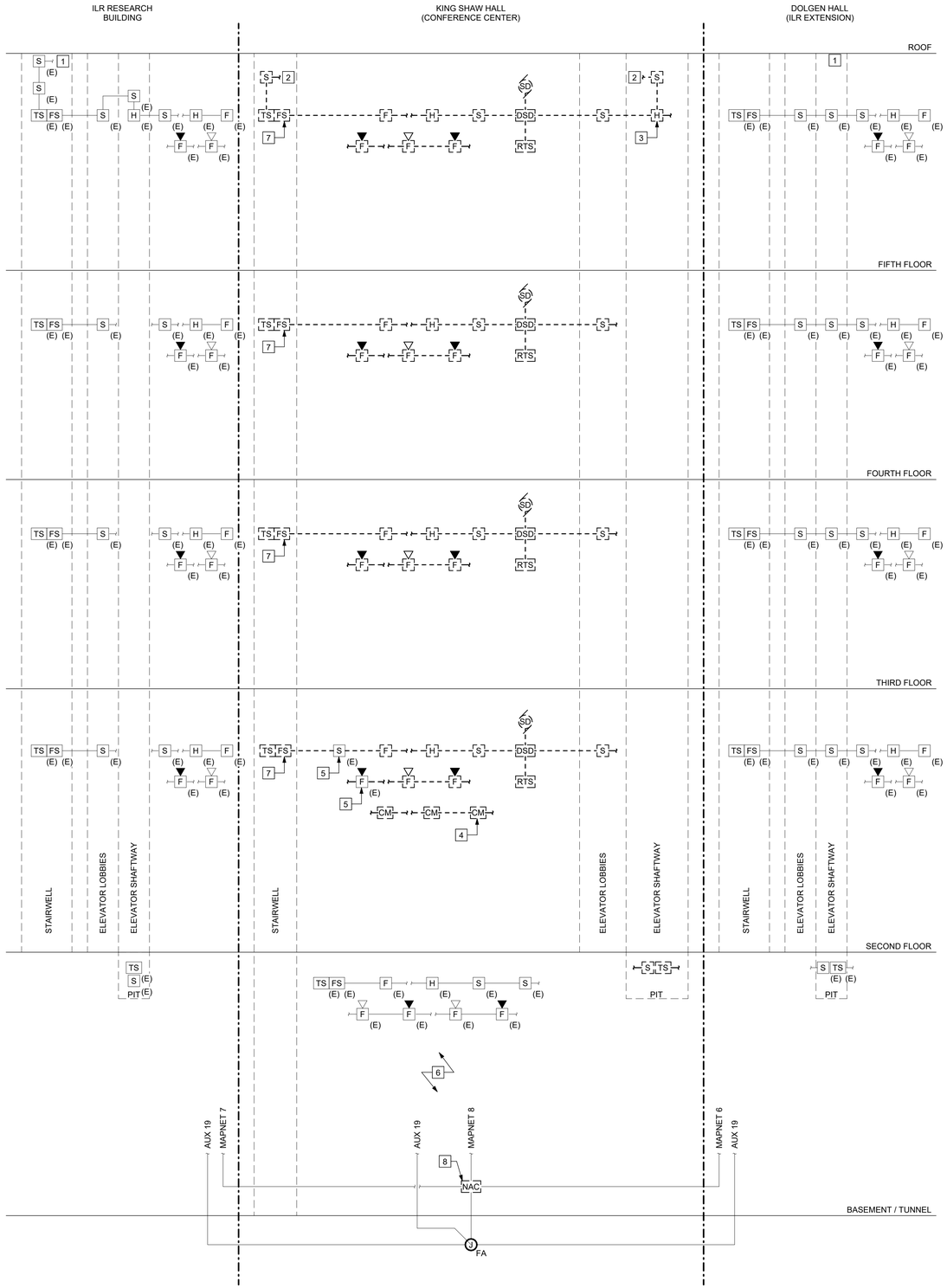
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

ONE-LINE DIAGRAM - POWER - CONSTRUCTION

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NTS**

E-301



2 RISER DIAGRAM - FIRE ALARM - DEMOLITION

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

FIRE ALARM GENERAL DEMOLITION NOTES :

A. DEVICES SHOWN ARE DIAGRAMMATICALLY ONLY. FOR EXACT LOCATIONS AND QUANTITIES SEE FLOOR PLANS.

B. ALL WIRING SHALL BE CLASS A FOR INITIATING CIRCUIT AND CLASS A FOR NOTIFICATION CIRCUITS. REFER TO SECTION 283102 OF THE SPECIFICATION FOR ADDITIONAL FIRE ALARM SYSTEM REQUIREMENTS.

C. FACP AND OTHER PANELS SHALL BE MOUNTED WITH CLEARANCES FOR OBSERVATION AND TESTING. ALL OTHER FIRE ALARM JUNCTION BOXES SHALL BE MARKED FOR IDENTIFICATION. ALL FIRE ALARM SYSTEM JUNCTION BOXES SHALL BE PAINTED RED WITH STENCIL LETTERING INDICATING "FIRE ALARM SYSTEM".

D. THE FIRE ALARM RISER DENOTES THE GENERAL ARRANGEMENT OF THE SYSTEM WITH TYPICAL DEVICES AND MINIMUM QUANTITIES OF TERMINAL CABINETS & POWER BOOSTERS. PROVIDE ADDITIONAL TERMINAL CABINETS, BOOSTERS, ETC. AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

E. WIRING INDICATED ON THE RISER DIAGRAM IS DIAGRAMMATIC ONLY. IT IS NOT INTENDED TO INDICATE ROUTING OR QUANTITY OF WIRES REQUIRED. PROVIDE WIRING FOR A COMPLETE SYSTEM AS REQUIRED BY SYSTEM MANUFACTURER.

F. REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.

FIRE ALARM DEMOLITION SCOPE:

A. THE KING SHAW BUILDING IS PRIMARILY CONNECTED FROM MAPNET CARD #8 IN THE FIRE ALARM TERMINAL CABINET LOCATED IN THE IVES EAST WING FIRE PUMP MECHANICAL ROOM 100UK. THIS PROJECT INCLUDES THE FOLLOWING DEMOLTION:
   a. DEMOLITION OF EXISTING FIRE ALARM NOTIFICATION, INITIATION, CONTROL, AND ACCESSORY COMPONENTS AS NOTED IN THE RENOVATION AREAS.
   b. FIRE ALARM CIRCUITS AND COMPONENTS WITHIN AND ADJACENT TO THE RENOVATION AREAS ARE TO BE MAINTANED FOR THE DURATION OF THE PROJECT.
   c. DEMOLITION OF NAC PANEL AS NOTED (PANEL TO BE REPLACED).

GENERAL NOTES:

A COORDINATE ALL SHUTDOWNS WITH OWNER.

B COORDINATE WITH CORNELL FIRE ALARM SHOPS FOR SALVAGE AND REMOVAL OF EQUIPMENT.

C PROVIDE TEMPORARY HEAT DETECTION PRIOR TO REMOVAL OF FIRE PROTECTION COMPONENTS IN SPACES.

X DEMOLITION NOTES:

1 EXISTING SMOKE HATCH OUTSIDE OF PROJECT SCOPE TO REMAIN.

2 SMOKE HATCH CONNECTION TO BE DECOMMISSIONED. REFER TO FLOOR PLANS FOR LOCATIONS.

3 SHUNT TRIP FUNCTION FOR ELEVATOR TO BE REMOVED. REFER TO CONSTRUCTION ONE-LINE DIAGRAM.

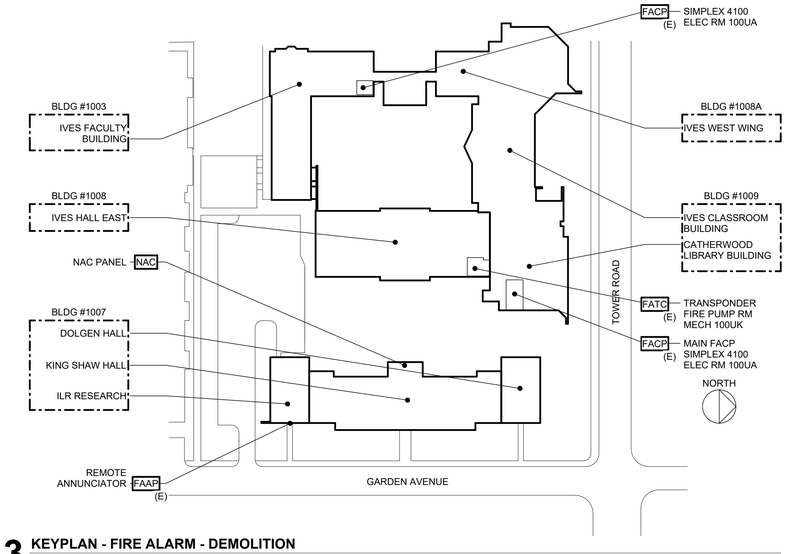
4 ELEVATOR PROVISIONS FOR RECALL, FIREMAN HAT, AND SHUNT TRIP TO BE REPLACED. COORDINATE TIMING OF WORK.

5 REFER TO FLOOR PLANS FOR DEVICES TO REMAIN OPERATIONAL IN THE CORRIDOR FOR THE DURATION OF CONSTRUCTION. PROVIDE CIRCUITING AND PROGRAMMING AS NEEDED.

6 DEVICES ON THIS LEVEL ARE EXISTING TO REMAIN. PROVIDE TEMPORARY CIRCUITING AS NEEDED FOR BASEMENT / TUNNEL / FIRST FLOOR DEVICES.

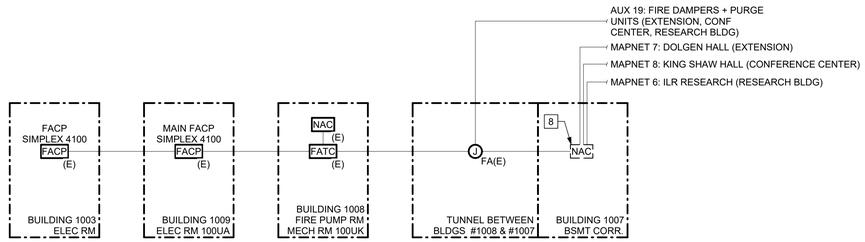
7 MODULES CONNECTED TO EXISTING-TO-REMAIN TAMPER AND FLOW SWITCHES WITHIN THE PROJECT AREA TO BE DEMOLISHED AND REPLACED WITH DEVICES COMPATIBLE WITH IDNET PROTOCOL.

8 EXISTING NAC PANEL TO BE REPLACED. SALVAGE CIRCUIT FOR REUSE AND EXTENTION.



3 KEYPLAN - FIRE ALARM - DEMOLITION

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



1 PARTIAL ONE-LINE DIAGRAM - FIRE ALARM - DEMOLITION

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

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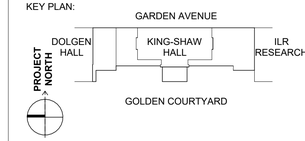
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

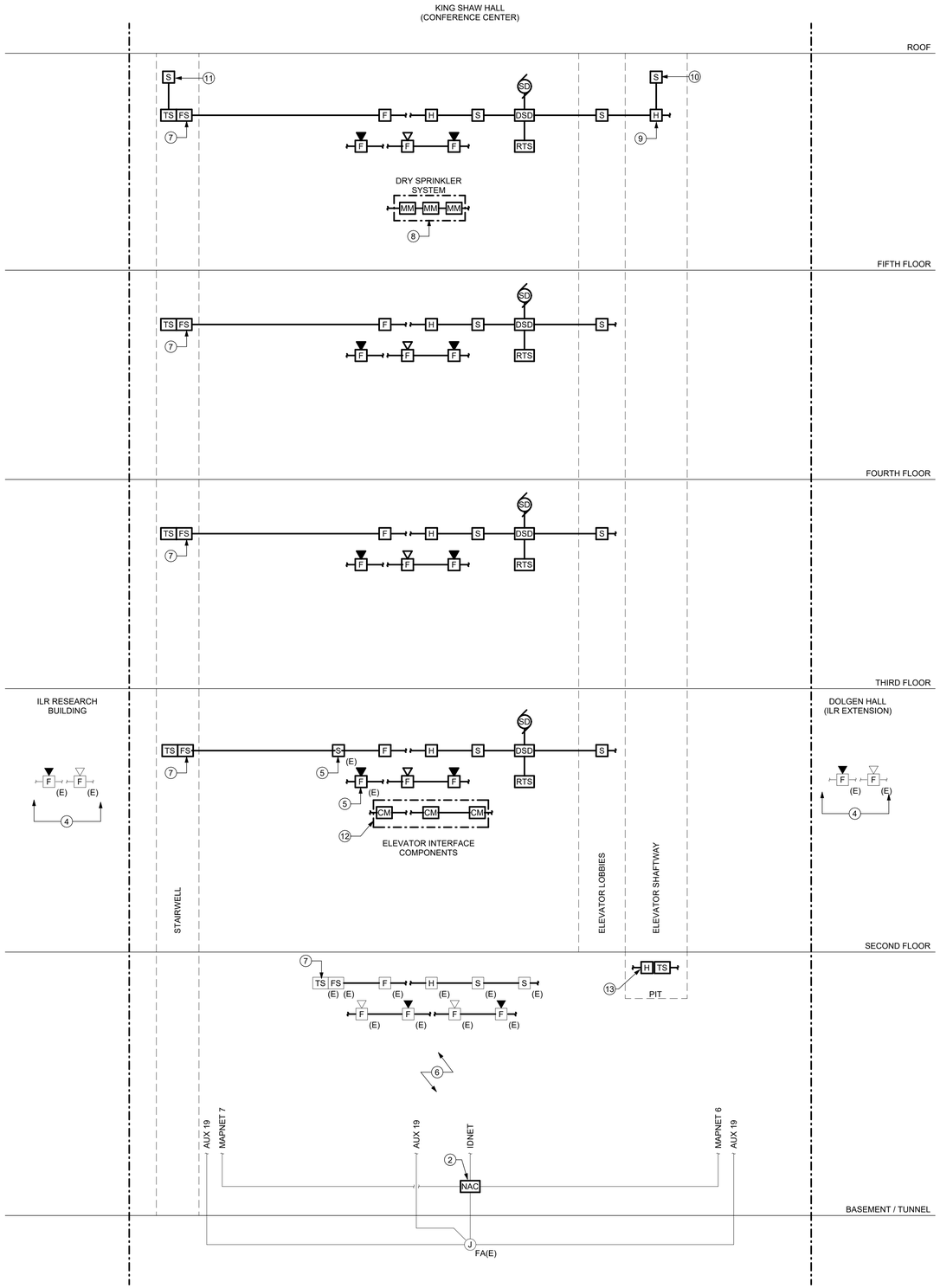
140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

RISER DIAGRAM - FIRE ALARM - DEMOLITION

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

E-310



1 RISER DIAGRAM - FIRE ALARM - CONSTRUCTION

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

FIRE ALARM GENERAL NOTES:

A. DEVICES SHOWN ARE DIAGRAMMATICALLY ONLY. FOR EXACT LOCATIONS AND QUANTITIES SEE FLOOR PLANS.

B. ALL WIRING SHALL BE CLASS A FOR INITIATING CIRCUIT AND CLASS A FOR NOTIFICATION CIRCUITS. REFER TO SECTION 283102 OF THE SPECIFICATION FOR ADDITIONAL FIRE ALARM SYSTEM REQUIREMENTS.

C. ALL FIRE ALARM SYSTEM RACEWAY SIZES AND CIRCUITRY REQUIREMENTS SHALL BE IN ACCORDANCE WITH EQUIPMENT MANUFACTURERS RECOMMENDATIONS AND ALL CODES THAT MAY APPLY.

D. CABLING MUST BE UNIQUELY IDENTIFIED AND LABELED, AND A PERMANENT, ACCURATE RECORD OF THE IDENTIFICATION AND USE OF EACH ABLE MUST BE MADE AT THE TIME OF INSTALLATION. LABELING IS TO BE DONE WITH PERMANENT MARKERS ON CLEAR MYLAR TAPE. THE TAPE SHALL BE LONG ENOUGH SO WHEN WRAPPED ROUND THE CABLE IT WILL WRAP OVER ITSELF, PROTECTING THE WRITING.

E. FACP AND OTHER PANELS SHALL BE MOUNTED WITH CLEARANCES FOR OBSERVATION AND TESTING. ALL OTHER FIRE ALARM JUNCTION BOXES SHALL BE MARKED FOR IDENTIFICATION. ALL FIRE ALARM SYSTEM JUNCTION BOXES SHALL BE PAINTED RED WITH STENCIL LETTERING INDICATING "FIRE ALARM SYSTEM".

F. THE FIRE ALARM RISER DENOTES THE GENERAL ARRANGEMENT OF THE SYSTEM WITH TYPICAL DEVICES AND MINIMUM QUANTITIES OF TERMINAL CABINETS & POWER BOOSTERS. PROVIDE ADDITIONAL TERMINAL CABINETS, BOOSTERS, ETC. AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

G. PROVIDE 120V, 20A DEDICATED BRANCH CIRCUITS FROM THE LOCAL AREA PANELBOARD TO CONTROL PANELS, TERMINAL CABINETS, ETC. AS REQUIRED. THE CIRCUIT BREAKER SHALL BE CLEARLY MARKED "FIRE ALARM CIRCUIT CONTROL" IN THE PANELBOARD DIRECTORY. PROVIDE CIRCUIT BREAKER LOCKS ON ALL BREAKERS ASSOCIATED WITH FIRE ALARM EQUIPMENT.

H. SPACE DETECTORS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDED DISTANCE. PROVIDE ADDITIONAL DETECTORS WHERE REQUIRED.

I. ALL LOW VOLTAGE FIRE ALARM CIRCUITS MAY OCCUPY A COMMON CONDUIT. RUN AC POWER AND CONTROL WIRING (FAN SHUTDOWN, ETC.) IN SEPARATE CONDUIT. DO NOT RUN WITH ANY OTHER FIRE ALARM SYSTEM WIRING IN A COMMON CONDUIT.

J. ALL CONDUIT, MOUNTING BOXES AND PANELS SHALL BE HUNG AND FASTENED WITH FITTINGS TO ENSURE POSITIVE GROUNDING THROUGHOUT THE ENTIRE SYSTEM.

K. TRANSPOSING OR CHANGING COLOR CODING OF WIRES IS NOT PERMITTED. ALL CONDUCTORS IN CONDUIT CONTAINING MORE THAN ONE WIRE SHALL BE LABELED ON EACH END WITH "E-Z MARKERS".CONDUCTORS IN CABINETS SHALL BE FORMED AND HARNESSED SO THAT EACH DROPS OFF DIRECTLY OPPOSITE ITS TERMINAL.

L. ALL WIRING SHALL BE CHECKED AND TESTED TO ENSURE THAT THERE ARE NO GROUNDS, OPENS, OR SHORTS.

M. WIRING COLOR CODES SHALL BE CONSISTENT THROUGHOUT THE SYSTEM AND SHALL ALLOW FOR EASY IDENTIFICATION OF INITIATING, INDICATING AND AUXILIARY CONTROL CIRCUITS.

N. WIRING INDICATED ON THE RISER DIAGRAM IS DIAGRAMMATIC ONLY. IT IS NOT INTENDED TO INDICATE ROUTING OR QUANTITY OF WIRES REQUIRED. PROVIDE WIRING FOR A COMPLETE SYSTEM AS REQUIRED BY SYSTEM MANUFACTURER.

O. REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.

P. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN RED 3/4" EMT CONDUIT.

Q. PROVIDE LABELING FOR ALARM INITIATING DEVICES AND NOTIFICATION DEVICES PER CORNELL STANDARD 283100.

R. PROVIDE CO DETECTION AND ASSOCIATED NOTIFICATION AS PER NYS BUILDING CODE.

S. BATTERIES SHALL BE FOR 60 HOURS OF USAGE.

T. REFER TO SPECIFICATIONS FOR FIRE ALARM MATRIX.

U. FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH FM GLOBAL DATA SHEET 5-40 (FIRE ALARM SYSTEMS)

V. FIRE DETECTION SHALL BE INSTALLED IN ACCORDANCE WITH FM GLOBAL DATA SHEET 5-48 (AUTOMATIC FIRE DETECTION).

W. ALL FIRE ALARM EQUIPMENT SHALL BE FM GLOBAL APPROVED.

X. PERFORM INSTALLATION, ACCEPTANCE TESTING, MAINTAINANCE INSPECTIONS, AND OTHER TESTINGS IN ACCORDANCE WITH FM GLOBAL DATA SHEET 5-40 AND FM GLOBAL TABLE 1. TESTING TO BE WITNESSED BY THE AHJ AND CU FIRE MARSHAL OFFICE.

GENERAL NOTES:

A COORDINATE ALL SHUTDOWNS WITH OWNER.

B COORDINATE WITH CORNELL FIRE ALARM SHOPS FOR SALVAGE AND REMOVAL OF EQUIPMENT.

C PROVIDE TEMPORARY HEAT DETECTION PRIOR TO REMOVAL OF FIRE PROTECTION COMPONENTS IN SPACES.

(X) DRAWING NOTES:

1 PROVIDE FIRE ALARM TERMINAL CABINET, BATTERIES, POWER SUPPLIES, AND ALL OTHER REQUIRED ACCESSORIES TO PROVIDE IDNET CIRCUIT FOR KING SHAW HALL. PROVIDE CIRCUITING AND WIRING AS NEEDED WITH INTERCONNECTING DEVICES, INCLUDING EXISTING FIRE ALARM CONTROL PANEL AND FIRE ALARM TERMINAL CABINET. PROVIDE 120V CIRCUITS AS NEEDED.

2 PROVIDE NAC PANEL TO REPLACE PANEL THAT WAS REMOVED. ENSURE COMPATIBILITY WITH EXISTING FIRE ALARM CIRCUITING AND DEVICES. EXEND 120V CIRCUIT SALVAGED DURING DEMOLTION.

3 CIRCUIT TO BE MADE SPARE AFTER ALL DEVICES ARE MIGRATED TO IDNET CIRCUIT. COORDINATE WITH CORNELL FIRE ALARM SHOPS.

4 ENSURE THAT EXISTING MAPNET DEVICES IN ADJACENT BUILDING SPACES ARE SYNCHRONIZED WITH DEVICES INSTALLED IN THIS PROJECT. PROVIDE ACCESSORIES, DEVICES, AND CIRCUITING AS NEEDED TO ENSURE ALL STROBE UNITS CONCURRENTLY VISIBLE ARE SYNCHRONIZED.

5 REPLACE EXISTING TO REMAIN DEVICES AS NEEDED IN AREAS ADJACENT TO RENOVATION SPACE IN ORDER TO ENSURE COMPATABILITY WITH IDNET PROTOCOL.

6 DEVICES ON THIS LEVEL ARE EXISTING TO REMAIN. PROVIDE TEMPORARY CIRCUITING AS NEEDED FOR BASEMENT / TUNNEL / FIRST FLOOR DEVICES. DEVICES TO BE CONNECTED TO IDNET CIRCUIT.

7 PROVIDE MODULES AS NEEDED TO CONNECT TO EXISTING TAMPER AND FLOW SWITCHES

8 PROVIDE MODULES TO MONITOR DRY SPRINKLER SYSTEM FOR TROUBLE DUE TO PRESSUE LOSS, WATER FLOW AT INITIATION OF SYSTEM, AND TROUBLE ALARM FROM NITROGEN GENERATOR.

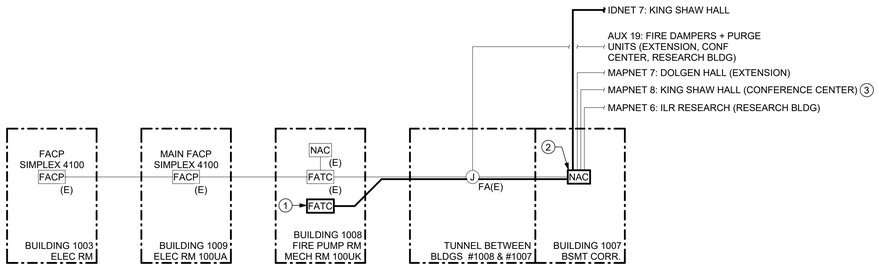
9 PROVIDE HEAT DETECTOR WITHIN 2'-0" OF SPRINKER HEAD. COORDINATE HEAT DETECTOR RATING WITH SPRINKLER HEAD. PROVIDE SHUNT TRIP WIRING BACK TO ELEVATOR CONTROLLER.

10 PROVIDE SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT. DO NOT CONNECT TO DECOMMISSIONED SMOKE HATCH ASSEMBLY.

11 PROVIDE SMOKE DETECTOR AT TOP OF STAIRWELL AND ADJACENT TO DECOMMISSIONED SMOKE HATCH. PROVIDE REMOTE TEST STATION AT LANDING. DO NOT CONNECT TO DECOMMISSIONED SMOKE HATCH ASSEMBLY.

12 PROVIDE PRIMARY RECALL, SECONDARY RECALL, AND FIREMAN HAT PROVISIONS ADJACENT TO EXISTING ELEVATOR CONTROLLER.

13 PROVIDE HEAT DETECTOR WITHIN 2'-0" OF SPRINKLER HEAD IN ELEVATOR PIT. COORDINATE RATINGS WITH SPRINKLER HEAD RATINGS.



2 PARTIAL ONE-LINE DIAGRAM - FIRE ALARM - CONSTRUCTION

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

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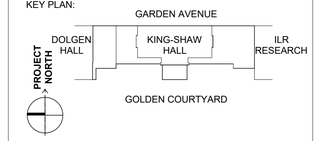
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

RISER DIAGRAM - FIRE ALARM - CONSTRUCTION

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

E-311

COPPER FEEDER SIZE SCHEDULE (600V)										
OCPD RATING	3-WIRE FEEDER AND EQUIPMENT GROUNDING CONDUCTOR (EGC)					4-WIRE FEEDER AND EQUIPMENT GROUNDING CONDUCTOR (EGC)				
	IDENT.	NUMBER OF SETS	WIRE SIZE	EGC	EMT CONDUIT	IDENT.	NUMBER OF SETS	WIRE SIZE	EGC	EMT CONDUIT
20	A1	1	12	12	3/4"	A	1	12	12	3/4"
25,30	B1	1	10	10	3/4"	B	1	10	10	3/4"
35,40	C1	1	8	10	3/4"	C	1	8	10	3/4"
45	D1	1	6	10	3/4"	D	1	8	10	3/4"
50,60	E1	1	6	10	3/4"	E	1	6	10	1"
70,80	F1	1	4	8	1"	F	1	4	8	1 1/4"
90	G1	1	3	8	1"	G	1	3	8	1 1/4"
100	H1	1	2	8	1 1/4"	H	1	3	8	1 1/4"
110	I1	1	2	6	1 1/4"	I	1	2	6	1 1/4"
125	J1	1	2	6	1 1/4"	J	1	1	6	1 1/2"
150	K1	1	1/0	6	1 1/2"	K	1	1/0	6	1 1/2"
175	L1	1	2/0	6	1 1/2"	L	1	2/0	6	2"
200	M1	1	3/0	6	2"	M	1	3/0	6	2"
225	N1	1	4/0	4	2"	N	1	4/0	4	2 1/2"
250	O1	1	4/0	4	2"	O	1	250	4	2 1/2"
300	P1	1	300	4	2 1/2"	P	1	350	4	2 1/2"
350	Q1	1	400	3	2 1/2"	Q	1	500	3	3"
400	R1	1	500	3	2 1/2"	R	1	600	3	3 1/2"
450	S1	1	600	2	3"	S	2	4/0	2	2 1/2"
500	T1	2	4/0	2	2"	T	2	250	2	2 1/2"
600	U1	2	300	1	2 1/2"	U	2	350	1	2 1/2"
700	V1	2	400	1/0	2 1/2"	V	2	400	1/0	3"
800	W1	2	600	1/0	2 1/2"	W	2	600	1/0	4"
1000	X1	3	400	2/0	2 1/2"	X	3	500	2/0	3"
1200	Y1	3	600	3/0	3"	Y	4	400	3/0	3"
1600	Z1	4	600	4/0	3"	Z	5	500	4/0	3"
2000	AA1	5	600	250	3"	AA	6	500	250	3"
2500	BB1	6	600	350	3"	BB	7	600	350	4"
3000	CC1	8	500	400	3"	CC	8	600	400	4"
4000	DD1	10	600	500	3"	DD	11	600	500	4"
5000	EE1	12	600	700	4"	EE	14	600	700	4"
6000	FF1	15	600	800	4"	FF	16	600	800	4"

NOTES:

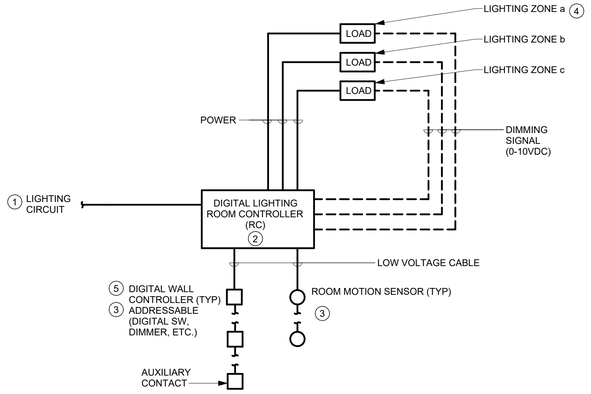
A. WHERE MULTIPLE SETS ARE SPECIFIED, PROVIDE PHASE, NEUTRAL (IF REQUIRED), AND EGC OF WIRE SIZE INDICATED IN EACH CONDUIT. CONDUCTORS AND CONDUITS SHALL BE EQUAL IN LENGTH AND EACH BE OF SAME MANUFACTURER.

B. MINIMUM EMT CONDUIT SIZE IS BASED ON 40% FILL.

C. A 3-WIRE FEEDER IS (3) PHASE CONDUCTORS WHEN PROTECTED BY A 3-POLE OCPD.
A 3-WIRE FEEDER IS (2) PHASE CONDUCTORS AND (1) NEUTRAL CONDUCTOR WHEN PROTECTED BY A 2-POLE OCPD.
A 4-WIRE FEEDER IS (3) PHASE CONDUCTORS & (1) NEUTRAL CONDUCTOR.
A 5-WIRE FEEDER IS (3) PHASE CONDUCTORS & (2) NEUTRAL CONDUCTORS.

3 COPPER FEEDER SCHEDULE

SCALE: NTS



DETAIL NOTES:

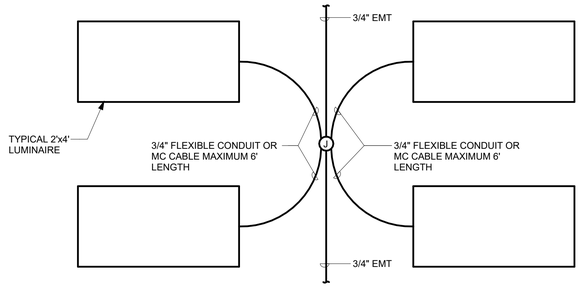
1. PROVIDE POWER CIRCUIT AS INDICATED ON THE PLANS.
2. DIGITAL LIGHTING ROOM CONTROLLER SHALL BE A SINGLE OR MULTIPLE UNITS AS NEEDED TO PROVIDE THE INDICATED CONTROL AND SEQUENCE. UNIT SHALL BE MOUNTED ABOVE THE CEILING NEAR THE MAIN ENTRY WITH A TOGGLE SWITCH.
3. PROVIDE QUANTITY OF UNITS AS INDICATED ON THE PLAN.
4. REFER TO THE PLAN FOR ZONING INFORMATION.
5. ROOM CONTROL STATIONS SHALL HAVE CONTROLLABILITY AS INDICATED ON THE PLAN.

SEQUENCE OF OPERATION

1. ROOM UNOCCUPIED: LIGHTING TO BE OFF AFTER TIME DELAY FROM LAST MOTION SENSING.
2. ROOM OCCUPIED: UPON SENSING OF MOTION IN THE SPACE, THE SENSOR SHALL ENABLE THE ROOM CONTROLLER BUT NOT ENERGIZE THE LIGHTING (LOAD) UNTIL MANUAL OPERATION OF THE DIGITAL WALL CONTROLLER. LIGHTING SHALL REMAIN ENERGIZED UNTIL MOTION IS NOT SENSED (INITIATE TIME DELAY, SET FOR 30 MINUTES) OR ANOTHER OPERATION OF THE DIGITAL WALL CONTROLLER AND THEN DE-ENERGIZE.
3. DAYLIGHT SENSOR TO PROVIDE A SIGNAL TO THE INDICATED LUMINAIRES (ZONE #) TO MAINTAIN XX FC IN THE SPACE AS THE DAYLIGHT CONTRIBUTION CHANGES.
4. MANUAL DIMMING/SCENE SELECTION OF THE DIGITAL WALL CONTROLLER(S) SHALL OVER RIDE THE DAYLIGHT SENSOR DIMMING CONTROL OF THE LUMINAIRES BUT SHALL NOT EXCEED THE FC SETTING - LIGHTING LEVEL CAN GO BELOW BUT NOT ABOVE.

5 ROOM LIGHTING CONTROL DETAIL

SCALE: NTS



2 TYPICAL BRANCH CIRCUIT WIRING FOR CEILING

SCALE: NTS

EQUIPMENT: "INSERT DESIGNATION"

POWER SOURCE: "INSERT SOURCE"

TYPE SUPPLY: INSERT-NORMAL, OR CRITICAL OPERATION POWER, OR OPTIONAL STANDBY, OR LEGALLY REQUIRED, OR LIFE SAFETY EMERGENCY AS APPLICABLE"

VOLTAGE: "INSERT APPLICABLE VOLTAGE-208/120V OR 480/277V, ETC."

CONDUCTOR COLOR CODING:
PHASE A - "BLACK OR BROWN"
PHASE B - "RED OR ORANGE"
PHASE C - "BLUE OR YELLOW"
NEUTRAL - "WHITE OR GRAY"
GROUND - GREEN

AVAILABLE SHORT CIRCUIT CURRENT:
"INSERT AMPS RMS"

SERVICE OCPD CLEARING TIME: XX SECONDS

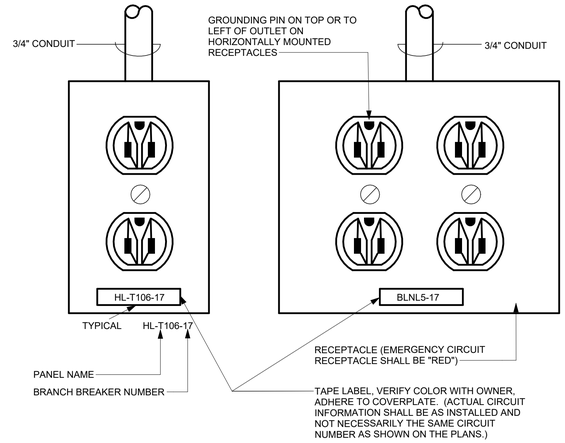
"INFORMATION DATE: XX"

DETAIL NOTES:

1. PROVIDE CUSTOM NAMEPLATE AS INDICATED FOR ALL PANELBOARDS, MCC'S, SWITCHBOARDS, SWITCHGEAR, TRANSFER SWITCHES, GENERATORS ETC.
2. NAMEPLATE SHALL BE ENGRAVED (WHITE LETTERING, BLACK BACKGROUND) AND ATTACHED TO THE EQUIPMENT WITH SCREWS. LETTERING SHALL BE 1/4" HIGH WITH SPACE BETWEEN LINES 1/8" MINIMUM. MINIMUM SHALL BE 8"H x 8"W.
3. PROVIDE SAMPLE NAMEPLATE FOR REVIEW.
4. THE AVAILABLE SHORT CIRCUIT AND OCPD CLEARING TIME SHOULD BE PROVIDED AT THE SERVICE ENTRANCE IF GREATER THAN OR EQUAL TO 1200A.

4 EQUIPMENT NAMEPLATE DETAIL

SCALE: NTS



GENERAL DETAIL NOTES:

A. PROVIDE GREEN GROUND WIRE IN ALL RECEPTACLE CIRCUITS. CONNECT TO GROUND BUS IN PANEL.

B. DO NOT INSTALL RECEPTACLES, COMPUTER OR TELEPHONE OUTLETS BACK TO BACK. INSTALL IN ADJACENT STUD CAVITIES, TO REDUCE SOUND TRANSMISSION.

1 TYPICAL RECEPTACLE IDENTIFICATION REQUIREMENTS

SCALE: NTS

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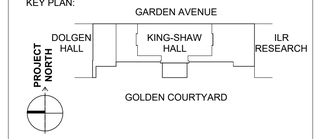

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

DETAILS - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: NTS**

E-400

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

ABBREVIATIONS

AU	AT UNIT	IU	INTEGRAL WITH UNIT
B	ASD WITH BYPASS	M	MULTIPLE MOTOR ASD
ECB	ENCLOSED CIRCUIT BREAKER	NF	NON-FUSED
F	FUSED	R	ASD WITH REDUNDANT ASD
HOA	HAND-OFF-AUTO WITH RELAY	RE	REMOTE

GENERAL NOTES

A. REFER TO SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS

B. PROVIDE CONTROLLER SIZED PER HP/AMPS.

C. LOCATIONS/QUANTITIES OF FIRE ALARM DUCT DETECTORS ARE SHOWN ON PLANS

EQUIPMENT								POWER SOURCE, PROTECTION & WIRING						MOTOR CONTROLLER								DISCONNECTING MEANS					CONNECTIONS				EQUIPMENT	
ITEM ID	NAME	ROOM LOCATION	HP	KW	AMPERAGE	PHASE	VOLTAGE	SOURCE	OCPD RATING	WIRING FROM SOURCE TO EQUIPMENT VIA CONTROLLER / DISCONNECTING MEANS			MANUAL MOTOR STARTER	MAGNETIC MOTOR STARTER	COMBINATION MAGNETIC STARTER AND SAFETY SWITCH	ADJUSTABLE SPEED DRIVE	PACKAGED CONTROL UNIT	NEMA ENCLOSURE TYPE	NEMA STARTER SIZE	LOCATION	SAFETY SWITCH	SAFETY SWITCH AMPERE RATING	FUSE/CB AMPERE RATING	NEMA ENCLOSURE TYPE	LOCATION	FIRE ALARM SHUTDOWN	FIRE ALARM DUCT DETECTOR(S)	MOTORIZED DAMPER	LINE VOLTAGE TEMPERATURE CONTROL	REFERENCE NOTES	ITEM ID
										PHASE	GROUND	CONDUIT																				
EF-3CC	EXHAUST FAN	ROOF	1/4		5.8	1	120	AP-K	20/1	2#12	1#12	3/4"C					X				Y	30A	NF	3R	AU	X					EF-3CC
SE-1	EJECTOR PUMP	SEWAGE EJECTOR 233A	2		13.2	1	208	AP-K	20/2	2#12	1#12	3/4"C									Y	30A	NF	4X	AU						SE-1
END OF SCHEDULE																																

DRY-TYPE TRANSFORMER SCHEDULE

TRANSFORMER			DWG.	SINGLE	THREE	TRANSFORMER RATINGS				MOUNTING	TYPE	NOTES
	FLOOR	ROOM	REF.	PHASE	PHASE	KVA	PRIMARY	SECONDARY				
T-5	1		E-210		X	30	480	208	/ 120	FLOOR	DRY	
END OF SCHEDULE												

PANELBOARD SCHEDULE

PANEL INFORMATION		TYPE		VOLTAGE RATING			BUS RATING	MAIN AMPERE RATING				KAIC (RMS SYM)	MOUNT		BRANCH CIRCUIT DEVICES						TOTAL NO. OF CIRCUITS	NOTES
NAME	ROOM LOCATION	DIST.	BRANCH CIR.	VOLT.	PHASE	WIRE		MLO	MCB	THRU FEED LUGS	SUB FEED LUGS		F	S	QUANTITY ACTIVE	QUANTITY SPARE	QUANTITY SPACE	FRAME / SWITCH SIZE	TRIP / FUSE SIZE-FU	POLES		
AP-1CC	BASEMENT ELECTRICAL SPACE		X	208/120	3	4	100		100A			22k		X	10	32			20A	1	60	1
															16				20A	1		
															2				20A GFI	1		
AP-3CC	ELECTRICAL CLOSET 3RD FLOOR		X	208/120	3	4	200		200A			22k		X	29	31			20A	1	60	
AP-4CC	4TH FLOOR PANTRY		X	208/120	3	4	200		200A			22k	X		41	19			20A	1	60	
LP-3CC	ELECTRICAL CLOSET 3RD FLOOR		X	208/120	3	4	100		100A			22k		X	9	51			20A	1	60	
LPE-3CC	ELECTRICAL CLOSET 3RD FLOOR		X	208/120	3	4	100		50A			22k		X	3	39			20A	1	42	
AP-K	ELECTRICAL CLOSET 2ND FLOOR		X	208/120	3	4	200		150A			22k		X	1				60A	2	60	
															2				40A	2		
															2				30A	3		
															1				20A	2		
															22	24			20A	1		
END OF SCHEDULE																						

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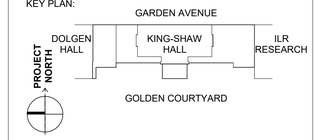

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

SCHEDULES - ELECTRICAL

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

E-500

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MFR. & CATALOG No.	OUTPUT LUMENS	COLOR	VOLTAGE	MOUNTING	UNIT WATTS	REMARKS
L1	RECESSED 5 7/8" X 1/3/4" DOWNLIGHT	IGUZZINI: ILB05-XXX-IC-035-WF-UNV-XXX-D10	851	3500K	120V	RECESSED	12.6	
L2	RECESSED 3" DOWNLIGHT	LUCIFER LIGHTING: FR3-M-1-F-XXX-90S15A-35-60-Y-XXX-SG/SN-04	1457	3500K	120V	RECESSED	15	
L2A	RECESSED 3" DOWNLIGHT (HIGH OUTPUT)	LUCIFER LIGHTING: FR3-M-1-F-XXX-90S21A-35-60-Y-XXX-SG/SN-04	1979	3500K	120V	RECESSED	21	
L2B	RECESSED 3" DOWNLIGHT (HIGH OUTPUT)	LUCIFER LIGHTING: FR3-M-1-F-XXX-90S21A-35-60-Y-XXX-SG/SN-04	1979	3500K	120V	RECESSED	21	
L2C	RECESSED 3" DOWNLIGHT (HIGH OUTPUT)	LUCIFER LIGHTING: FR3-M-1-F-XXX-90S21A-35-60-Y-XXX-SG/SN-04	1979	3500K	120V	RECESSED	21	
L3	RECESSED 3" DOWNLIGHT WALWASHER (HIGH OUTPUT)	LUCIFER LIGHTING: FR3-M-1-W-XXX-90S21A-35-WW-Y-XXX-SG/SN	1589	3500K	120V	RECESSED	21	
L3A	RECESSED 3" DOWNLIGHT WALWASHER (HIGH OUTPUT) (WOOD CEILING)	LUCIFER LIGHTING: FR3-M-1-W-XXX-90S21A-35-WW-Y-XXX-SG/SN	1589	3500K	120V	RECESSED	21	
L4	RECESSED 2" DOWNLIGHT	LUCIFER LIGHTING: A2RS-F-1-W-XXX-FD-N-9010D-35-50-4-SG/SN	779	3500K	120V	RECESSED	10	
L5	RECESSED 2.6" PERIMETER LIGHT	CORONET: FLAWLESS-2-XXX-35-MED-UNV-DB-XXX-XXX-4"RG-NA-NA-FC-WTW	639	3500K	120V	RECESSED	7	
L6	RECESSED 4.3" LINEAR DOWNLIGHT	FLUXWERX: NF1-L-XXX-B-D-90-E1-M-18	955	3500K	120V	RECESSED	9.5	
L7	PENDANT 3"X4.5" LINEAR DIRECT/INDIRECT (HIGH OUTPUT)	CORONET: LS3 UPDN-XXX-35-LOW-HIGH-UNV-DB-XXX-ACXXX-FL-FL-NA-DC-STD	477 (I) 806 (D)	3500K	120V	PENDANT	3.5 (I) 7.5 (D)	
L7A	PENDANT 3"X4.5" LINEAR DIRECT/INDIRECT (HIGH OUTPUT)	CORONET: LS3 UPDN-XXX-35-MED-HIGH-UNV-DB-XXX-ACXXX-FL-FL-NA-DC-STD	744 (I) 806 (D)	3500K	120V	PENDANT	5.5 (I) 7.5 (D)	
L8	DECORATIVE 11.2" X 9.6" X 11.1" PENDANT	LOUIS POULSEN: DOO-WOP	551	3500K	120V	PENDANT	15	
L9	DECORATIVE 25.6" X 16.4" PENDANT	LOUIS POULSEN: PH 6 1/2 - 6	4420	3500K	120V	PENDANT	96	
L10	DECORATIVE 27.5" X 9.875" PENDANT	LIGHTNET: 1M-P1-A-XXX-D-9-35-M-D700-XXX-XXX	5860 (I) 8590 (D)	3500K	120V	PENDANT	50 (I) 80 (D)	
L11	DECORATIVE 15.75" X 9.875" PENDANT	LIGHTNET: 1M-P1-A-XXX-D-9-35-M-D400-XXX-XXX	2180 (I) 3190 (D)	3500K	120V	PENDANT	20 (I) 32 (D)	
L12	DECORATIVE 19.5" X 10.5" PENDANT	LOUIS POULSEN: PH 5	1113	3500K	120V	PENDANT	22	
L13	INDIRECT/DIRECT 2.64" X 4.57" PENDANT	FOCAL POINT: FSS2BS-DCFL-500DN-250UP-935K-2C-UNV-L22-XXX-WH-XXX-XXX-XXX	250 (I) 500 (D)	3500K	120V	PENDANT	6.75 W/LF	
L14	SURFACE COVE UPLIGHT	I2SYSTEMS CS-09W-35K-H-WF-V-STRAIGHT	1078 Lm/LF	3500K	120V	SURFACE	10 W/LF	
L15	LINEAR PENDANT DIRECT/INDIRECT 4' (HIGH OUTPUT)	CORONET: LS3 UPDN-XXX-35-LOW-HIGH-UNV-DB-XXX-ACXXX-FL-FL-NA-DV-STD	477 (I) 806 (D)	3500K	120V	PENDANT	3.5 (I) 7.5 (D)	
L16	RECESSED 2X2 DOWNLIGHT	LUMENWERX: PRIR-22-CMO(S)-LED-90-2000-35-UNV-D1-1-XXX-W	-	3500K	120V	RECESSED	-	
L17	LINEAR PENDANT DIRECT/INDIRECT 8'	CORONET: LS3 LVR UPDN-8-35-LOW-HIG-UNV-DB-XXX-ACXXX-FL-NA-DC-STD	477 (I) 806 (D)	3500K	120V	PENDANT	3.5 (I) 7.5 (D)	
L18	PENDANT CYLINDER DOWNLIGHT	DMF: XCP-R-6-XXX-XXX-S-D-07-WF-0-00-00-35-XXX-O-00-F	750	3500K	120V	PENDANT	9.5	
L19	RECESSED 3" DOWNLIGHT	LUCIFER LIGHTING: F3R-M-1-F-XXX-90S15A-35-60-Y-XXX-SG/SN-04	1457	3500K	120V	RECESSED	15	

SCHEDULE TO BE CONTINUED

LUMINAIRE SCHEDULE (CONTINUED)

TYPE	DESCRIPTION	MFR. & CATALOG No.	OUTPUT LUMENS	COLOR	VOLTAGE	MOUNTING	UNIT WATTS	REMARKS
L20	SURFACE CYLINDER DOWNLIGHT	LUCIFER LIGHTING: CM2-SL-AD1-XXX-XXX-XXX-90S17A-35-25-CA-4-XXX	1566	3500K	120V	SURFACE	17	
L20A	SURFACE CYLINDER DOWNLIGHT (LOW OUTPUT)	LUCIFER LIGHTING: CM2-SL-AD1-XXX-XXX-XXX-90S11A-35-40-CA-4-XXX	966	3500K	120V	SURFACE	11	
L21	SURFACE 9.1" X 1.5" X 4" ASYMMETRIC UPLIGHT	SPI LIGHTING: EIW12399-L44W-UNV-3500K-90-DF_DIM1-XXX-DAB	4932	3500K	120V	SURFACE	44	
L22	RECESSED 2X4 TROFFER	KENALL LIGHTING: CSEDO-24-45LD-35K8-DIM1-DV-5F-4H-SYM-FN	6293	3500K	120V	RECESSED	46	
L23	SURFACE MOUNTED LINEAR UPLIGHT	BOCA LIGHTING: NANOLUME HD-10W-3500K-XXX-A-FS-HD-N-SD	1000	3500K	120V	SURFACE	10	
L23A	SURFACE MOUNTED LINEAR UPLIGHT	BOCA LIGHTING: NANOLUME HD-10W-3500K-XXX-A-FS-HD-N-SD	1000	3500K	120V	SURFACE	10	
L24	3' DIRECT/INDIRECT PENDANT	BETA CALCO: MRTP2P03-EFF1-LPF052-LPG026-CR90-CTA35-CTB35-V1-DA01-SS6-XXX-XXX-AP00-CS1	260 (I) 525 (D)	3500K	120V	PENDANT	103	
L24A	4' DIRECT/INDIRECT PENDANT	BETA CALCO: MRTP2P04-EFF1-LPF052-LPG026-CR90-CTA35-CTB35-V1-DA01-SS6-XXX-XXX-AP00-CS1	260 (I) 525 (D)	3500K	120V	PENDANT	138	
L25	3" ACCENT LTG	LUCIFER LIGHTING: F3R-M-1-A-XXX-90S21A-35-60-Y-XXX-SG/SN-04	1850	3500K	120V	RECESSED	21	
L25A	3" ACCENT LTG	LUCIFER LIGHTING: F3R-M-1-A-XXX-90S15A-35-40-Y-XXX-SG/SN-04	1268	3500K	120V	RECESSED	15	
L26	WALL-MOUNTED TASK LIGHT	EXTANT LIGHTING: HTG-1W-TD-DT-8FT-DML-MEOGC-35-UV-D-XXX-SW	477Lm/LF	3500K	120V	SURFACE	4.6W/LF	
L27	LINEAR RECESSED DOWNLIGHT	FOCAL POINT: FSM4L-PD15-875LF-935K-1C-UNV-L11-XXX-XXX-WH-8FT	875Lm/LF	3500K	120V	RECESSED	9.65W/LF	
L28	SURFACE LINEAR UNDERCABINET	VISUAL COMFORT: 700UCF-XXX-9-5-XXX-LED	500Lm/LF	3500K	120V	SURFACE	8.5W/LF	
L29	PENDANT CYLINDER DOWNLIGHT	LUCIFER LIGHTING: CP1X-XXX-D-1-XXX-XXX-90S11A-35-60-4-URA-PS-RMT	952	3500K	120V	PENDANT	11	
L90	4' WALL MOUNTED UTILITY LIGHT WITH INTEGRAL VACANCY SENSOR	METALUX: 4-SRL-LD5-42SL-LC-UNV-L835-CD-1	4214	3500K	120V	WALL MOUNTED	29.6	

END OF SCHEDULE

CORNELL UNIVERSITY FOUNDED A.D. 1865

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Reg. Exp: 04/30/2026
Cert. of Auth: 0018443

ISSUE/REVISION:

NO.	DATE	COMMENTS

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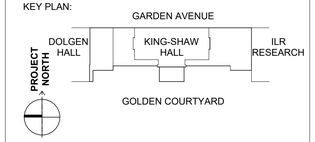
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

140 Garden Ave, Ithaca, NY 14853

DRAWING TITLE:

SCHEDULES - LIGHTING

PROJECT NO: 240400	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

E-501

AUDIOVISUAL DRAWING LIST

NUMBER	SHEET TITLE	PROGRESS SET - 2024-08-27	PROGRESS SET - 2024-09-05	DESIGN DEVELOPMENT - 2024-09-27	90% CD - 2024-12-18	100% CD - 2025-01-31
AUDIOVISUAL						
000 - DRAWING INDEX / LEGENDS						
TA-000	AUDIOVISUAL COVER SHEET	X	X	X	X	X
TA-001	AUDIOVISUAL GENERAL NOTES	X	X	X	X	X
TA-002	AUDIOVISUAL LIGHTING GUIDELINES	X	X	X	X	X
TA-003	AUDIOVISUAL HVAC LOAD & MOUNTING STANDARD	X	X	X	X	X
200 - OVERALL PLANS						
TA-201	AUDIOVISUAL OVERALL PLANS - SECOND FLOOR	X	X	X	X	X
TA-202	AUDIOVISUAL OVERALL PLAN - THIRD & FOURTH FLOOR	X	X	X	X	X
TA-203	AUDIOVISUAL OVERALL PLAN - FIFTH FLOOR	X	X	X	X	X
600 - ENLARGED PLANS						
TA-601A	AUDIOVISUAL ENLARGED VIEWS - MEETING ROOM 221	X	X	X	X	X
TA-601B	AUDIOVISUAL ELEVATIONS - MEETING ROOM 221	X	X	X	X	X
TA-601C	AUDIOVISUAL SECTIONS - MEETING ROOM 221	X	X	X	X	X
TA-602	AUDIOVISUAL ENLARGED VIEWS - CAFE SEATED AREA 231	X	X	X	X	X
TA-603A	AUDIOVISUAL ENLARGED VIEWS - MEETING ROOM 225H	X	X	X	X	X
TA-603B	AUDIOVISUAL ENLARGED VIEWS - TOUCHDOWN	X	X	X	X	X
TA-604	AUDIOVISUAL ENLARGED VIEWS - RECEPTION 225J & ILR HUB 223	X	X	X	X	X
TA-605	AUDIOVISUAL ENLARGED VIEWS - CONFERENCE RM 325B & 321A	X	X	X	X	X
TA-606	AUDIOVISUAL ENLARGED VIEWS - THIRD FL CORRIDOR	X	X	X	X	X
TA-607	AUDIOVISUAL ENLARGED VIEWS - CONFERENC ROOM 425	X	X	X	X	X
TA-608	AUDIOVISUAL ENLARGED VIEWS - CONFERENC ROOM 403A & 403B	X	X	X	X	X
TA-609A	AUDIOVISUAL ENLARGED VIEWS - MPR 525	X	X	X	X	X
TA-609B	AUDIOVISUAL ENLARGED RCP - MPR 525	X	X	X	X	X
TA-609C	AUDIOVISUAL ELEVATION - MPR 525 (WEST VIEW)			X	X	X
TA-609D	AUDIOVISUAL SECTION - MPR 525 (137" PROJECTION SCREEN)			X	X	X
TA-609E	AUDIOVISUAL ELEVATION - MPR 525 (109" PROJECTION SCREEN)			X	X	X
TA-609F	AUDIOVISUAL SECTION - MPR 525 (109" PROJECTION SCREEN)			X	X	X
TA-609G	AUDIOVISUAL DETAILS - IN WALL PROJECTOR MOUNT - MPR 525					X
800 - DIAGRAMS						
TA-801A	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 1A - AUDIO - MEETING ROOM 221					X
TA-801B	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 1A - VIDEO - MEETING ROOM 221					X
TA-802	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 2 - CAFE AREAS 231					X
TA-803	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 3-SM MTG RM 225H, TOUCHDOWN 323A,423A					X
TA-804	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 4 - ILR HUB 223 AND RECEPTION 225J					X
TA-805	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 5 - DIR OFFICE 321A & SMALL CONF RM 325B					X
TA-806	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 6 - 3RD FLOOR CORRIDOR					X
TA-807	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 7 - LARGE CONFERENCE ROOM 425					X
TA-808	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 8 - DEAN OFFICE 421A & MED CONF RM 421B					X
TA-809A	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9A - AUDIO - MPR 525					X
TA-809B	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9B - VIDEO - MPR 525					X
TA-809C	AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9C - LECTERN - MPR 525					X

AUDIOVISUAL SYSTEMS SCOPE OF RESPONSIBILITY MATRIX

ITEM	FURNISHED BY	INSTALLED BY	NOTES
INFRASTRUCTURE			
CONTAINMENT, CONDUIT, JUNCTION BOXES, WIREWAYS AND OTHER ELECTRICAL (CONSTRUCTION RELATED) ROUGH-IN WORK PERTAINING TO THE INSTALLATION OF THE AV SYSTEMS.	GENERAL CONTRACTOR/ELECTRICAL DIVISION	GENERAL CONTRACTOR/ELECTRICAL DIVISION	SEE AV SPECIFICATION AND DRAWINGS FOR REQUIREMENTS
FLOOR BOXES OR POKE-THRU WITH SHARED ACCESS FOR AUDIOVISUAL, TELE/DATA AND POWER SYSTEMS	GENERAL CONTRACTOR/ELECTRICAL DIVISION	GENERAL CONTRACTOR/ELECTRICAL DIVISION	SEE AV SPECIFICATION AND DRAWINGS FOR REQUIREMENTS
IN-WALL BOXES WITH SHARED ACCESS FOR AUDIOVISUAL, TELE/DATA AND POWER SYSTEMS	GENERAL CONTRACTOR/ELECTRICAL DIVISION	GENERAL CONTRACTOR/ELECTRICAL DIVISION	SEE AV SPECIFICATION AND DRAWINGS FOR REQUIREMENTS
ALL AC POWER RECEPTACLES AND RELATED ELECTRICAL REQUIREMENTS	GENERAL CONTRACTOR/ELECTRICAL DIVISION	GENERAL CONTRACTOR/ELECTRICAL DIVISION	SEE AV SPECIFICATION AND DRAWINGS FOR REQUIREMENTS
IT, TEL/DATA INFRASTRUCTURE AS REQUIRED FOR AV SYSTEMS	GENERAL CONTRACTOR/ELECTRICAL DIVISION	GENERAL CONTRACTOR/ELECTRICAL DIVISION	CHANNEL TEST DUE BY ROOM READY DATE
ALL LOW VOLTAGE AUDIOVISUAL CABLING	AV DIVISION	AV DIVISION	CABLE SPEC AND RUN SHEETS TO BE PROVIDED TO AV CONSULTANT PRIOR TO INSTALL
ALL LOW VOLTAGE AUDIOVISUAL TERMINATIONS	AV DIVISION	AV DIVISION	
EQUIPMENT			
WALL BLOCKING, UNI-STRUT/KINDORF, THREADED ROD, ETC AS REQUIRED FOR AV DEVICES	GENERAL CONTRACTOR DIVISION	GENERAL CONTRACTOR DIVISION	AV CONTRACTOR TO COORDINATE LOCATIONS
HANDLING OF ALL AV EQUIPMENT FROM BUILDING DOCK TO A SECURE LOCATION	AV DIVISION	AV DIVISION	
FRONT PROJECTION SCREENS	AV DIVISION	GENERAL CONTRACTOR DIVISION	ELECTRICAL CONNECTIONS BY THE GENERAL CONTRACTOR/ELECTRICAL DIVISION. AV CONTRACTOR TO COORDINATE LOCATIONS
PROJECTOR MOUNTS, FLAT PANEL MOUNTS	AV DIVISION	AV DIVISION	ELECTRICAL CONNECTIONS BY THE GENERAL CONTRACTOR/ELECTRICAL DIVISION. AV CONTRACTOR TO COORDINATE LOCATIONS
PROGRAM SPEAKERS	AV DIVISION	AV DIVISION	
CEILING SPEAKERS (WITH BACK CAN, SPEAKER GRILL, TRANSFORMERS AND TILE BRIDGE)	AV DIVISION	AV DIVISION	
CEILING AND WALL MOUNTED LCD OR FLAT PANEL DISPLAYS AND CAMERAS	AV DIVISION	AV DIVISION	
CEILING MOUNTED VIDEO PROJECTORS AND LIFTS	AV DIVISION	AV DIVISION	
CONTROL SYSTEM TOUCH SCREENS AND OTHER HARDWARE.	AV DIVISION	AV DIVISION	
PROVISION OF ALL OFE PC'S AND SERVERS (AS REQUIRED)	OWNER'S REPRESENTATIVE	AV DIVISION	
LECTERNS AND TEACHERS STATIONS	MILLWORK OR FURNITURE INSTALLER	MILLWORK OR FURNITURE INSTALLER	CUTOUTS TO BE CONFIRMED AND SUPERVISED BY AV DIVISION
MILLWORK COUNTERTOPS, CREDENZAS, CONFERENCE TABLES AND GENERAL WOODWORK	MILLWORK OR FURNITURE INSTALLER	MILLWORK OR FURNITURE INSTALLER	AV CONTRACTOR TO COORDINATE WITH OWNER AND FURNITURE VENDOR
CONFERENCE TABLE CONNECTIVITY UNDER TABLE APRONS	MILLWORK OR FURNITURE INSTALLER	MILLWORK OR FURNITURE INSTALLER	AV CONTRACTOR TO COORDINATE WITH OWNER AND FURNITURE VENDOR
COMMISSIONING, PROGRAMMING AND PROJECT MANAGEMENT			
TESTING, EVALUATION AND INSTALL OF EXISTING EQUIPMENT	OWNER'S REPRESENTATIVE	AV DIVISION	
CONTROL SYSTEM AND AUDIO SYSTEM PROGRAMMING	THIRD PARTY PROGRAMMER / AVC	THIRD PARTY PROGRAMMER / AVC	THIRD PARTY PROGRAMMER TO BE CONTRACTED DIRECTLY TO REGENERON; AV DIVISION TO BE RESPONSIBLE FOR COORDINATION
PROJECT MANAGEMENT, SUPERVISION, TESTING AND COMMISSIONING OF THE AV SYSTEMS	AV DIVISION	AV DIVISION	AV DIVISION TO COORDINATE WITH OWNER'S REPRESENTATIVE

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ISSUE/REVISION:

NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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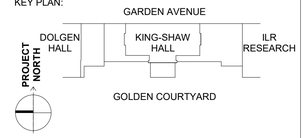
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL COVER SHEET

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-000

ABBREVIATIONS

A	AMPERAGE, AMPERE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPLIFIER
ANT	ANTENNA
AUD	AUDIO
AUX	AUXILIARY
AV	AUDIO VIDEO
AV SVR	AUDIO VIDEO SERVER
CATV	CABLE TELEVISION
CAM	CAMERA
CG	COMMON GROUND
CL	CENTERLINE
CTRL	CONTROL, CONTROLLER
CTL	CONTROL, CONTROLLER
CURT	CURTAIN
DMARC	DEMARCATION POINT
DLP	DIGITAL LIGHT PROCESSING
DN	DOWN
DSP	DIGITAL SIGNAL PROCESSOR/ING
DX	DUPLEX
EC	ELECTRICAL CONTRACTOR, ELECTRICAL CONDUIT
EMER	EMERGENCY
FIB	FIBER OPTIC
FA	FIRE ALARM
FM	FM RADIO FREQUENCY
FW	FIRE WIRE
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HD	HIGH DEFINITION
HDMI	HIGH DEFINITION MULTIMEDIA INTERFACE
IR	INFRARED
I/O	INPUT/OUTPUT
IG	ISOLATED GROUND
IP	INTERNET PROTOCOL
IWB	IN WALL BOX
JB, JBOX	JUNCTION BOX
K	KEY, KEYED, KEY OPERATED
KVM	KEYBOARD/VIDEO/MOUSE
L	LEFT
LAN	LOCAL AREA NETWORK
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT EMITTING DIODE
M	MOTOR, MOTORIZED
MIC	MICROPHONE
MTX	MATRIX
NTS	NOT TO SCALE
OCC	OCCUPIED. OCCUPANCY
POE	POWER OVER ETHERNET
PTZ	PAN / TILT / ZOOM
PNL	PANEL
QUAD	QUADRAPLEX
R	RIGHT
RK	RACK
RF	RADIO FREQUENCY
RX	RECEIVE. RECEIVER
SAT	SATELLITE
SCRN	SCREEN
SDI	SERIAL DIGITAL INTERFACE
SPKR	SPEAKER, LOUDSPEAKER
SVR	CPU / SERVER
SW	SUBWOOFER
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPORARY
TP	TOUCH PANEL
TPD	TOUCH PANEL DOCK
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT, VOLTAGE
VOIP	VOICE OVER IP
VOL	VOLUME
WB	WALL BOX
WP	WEATHERPROOF
WIFI	WIRELESS LOCAL AREA NETWORK

CABLE TYPES SCHEDULE

1. THESE CABLE TYPES ARE CITED TO ILLUSTRATE THE MINIMUM CABLE PERFORMANCE REQUIREMENTS. UNLESS OTHERWISE NOTED, CABLES FROM OTHER MANUFACTURERS (E.G. WEST PENN, COMM SCOPE, LIBERTY CABLE, ETC.) WILL BE CONSIDERED IF DATA SHEETS ARE SUBMITTED PRIOR TO INSTALLATION AND APPROVED BY AV CONSULTANT.
2. THE USE OF PLENUM RATED CABLING IS REQUIRED FOR ALL AV CABLING RUN OUTSIDE OF METAL CONDUIT.
3. THE CONTRACTOR SHALL ONLY USE PLUGS AND JACKS SPECIFICALLY MANUFACTURED AND DESIGNED FOR THE CABLE USED.

CABLE TYPE	DESCRIPTION	MANUFACTURER	NON-PLENUM	PLENUM
			MODEL	MODEL
AUDIO				
AUDIO (MICROPHONE & LINE LEVEL)	(1) PAIR 22 AWG TWISTED PAIR	BELDEN	9451	9451P
AUDIO (DIGITAL)	(1) PAIR 24 AWG (110 OHM) TWISTED PAIR	BELDEN	1800F	1801B
AUDIO (SPEAKER LEVEL, 70V)	2 CONDUCTOR 18 AWG STRANDED	BELDEN	5300UP	82740
AUDIO (SPEAKER LEVEL, SPEECH)	2 CONDUCTOR 16 AWG STRANDED	BELDEN	5200UP	6200UE
AUDIO (SPEAKER LEVEL, PROGRAM)	2 CONDUCTOR 14 AWG STRANDED	BELDEN	5100UP	6100UE
AUDIO (SPEAKER LEVEL, PERFORMANCE)	2 CONDUCTOR 12 AWG STRANDED	BELDEN	5000UP	6000UE
AUDIO (SPEAKER LEVEL, HIGH WATTAGE)	2 CONDUCTOR 10 AWG STRANDED	BELDEN	5T00UP	6T00UP
VIDEO				
VIDEO (UTP NON-CATEGORY)	(4) PAIR 24 AWG LOW-SKEW TWISTED PAIR	BELDEN	7987R	7987P
VIDEO (UTP CATEGORY)	REFER TO IT PROJECT STANDARDS			
VIDEO (ANALOG COMPONENT VIDEO)	RG-59/U 20 AWG 75 OHM COAX	BELDEN	8281	88281
VIDEO (DIGITAL VIDEO)	RG-59/U 20 AWG 75 OHM COAX	BELDEN	1505A	1506A
RF / CATV / ALS / WIRELESS ANT COAX				
RF (HARDLINE)	HARDLINE (75 OHM)	COMMSCOPE	P3-500 SERIES JCAR	
RF (COAX <150')	RG-6/U (75 OHM)	BELDEN	9118	1152A
RF (COAX <250')	RG-11/U (75 OHM)	BELDEN	9064	1153A
RF (COAX TRIAX')	RG-11/U (75 OHM)	BELDEN	1858A	1859A
RF (WIRELESS ANTENNA)	RG-8/U (50 OHM)	BELDEN	9913F7	89913
RF (MICROWAVE ANTENNA; RISER-RATED)	HELIAX (50 OHM)	ANDREW	LDF4-50A	-
AV/UTP CATEGORY & CONTROL				
CRESNET CONTROL CABLE	(1) PAIR 22 AWG TWISTED PAIR & (1) PAIR 18 AWG	CRESTRON	CRESNET-NP	CRESNET-P
DIGITAL MEDIA 8G ULTRA CABLE 4K	CAT 7A 4-PAIR 22 AWG SOLID BARE COPPER	CRESTRON	DM-CBL-ULTRA-NP	DM-CBL-ULTRA-P
DIGITAL MEDIA 8G CABLE	CAT 5E 4-PAIR 22 AWG SOLID COPPER	CRESTRON	DM-CBL-8G-NP	DM-CBL-8G-P
SHIELDED TWISTED PAIR CABLE	(4) PAIR SHIELDED 24 AWG TWISTED PAIR SOLID BARE COPPER	EXTRON	22-236-03	22-235-03
CONTROL (SERIAL APPLICATIONS)	(2) PAIR 22 AWG TWISTED PAIR	BELDEN	8723	88723
CONTROL (TOUCH/CONTROL SYSTEM APPLICATIONS)	(1) PAIR 22 AWG TWISTED PAIR & (1) PAIR 18 AWG	BELDEN	1502R	1502P
CONTROL (NETWORK)	REFER TO IT PROJECT STANDARDS			
FIBER				
OM3 MM	(##) 50uM OM3 MULTI-MODE (FIBER STRAND COUNT PER DRAWINGS)	CORNING	0##T81-31180-24	0##T81-31180-29
OM4 MM	(##) 50uM OM4 MULTI-MODE (FIBER STRAND COUNT PER DRAWINGS)	CORNING	0##T81-31190-24	0##T81-31190-29
OS2 SM	(##) SINGLE-MODE (FIBER STRAND COUNT PER DRAWINGS)	CORNING	0##T81-31131-24	0##T81-31131-29
			NOTE: CONTRACTOR TO PROVIDE ARMORED EQUIVALENTS AS INDICATED IN THE DRAWING PACKAGE	
SMPTE 304M CAMERA	(4) 20AWG COPPER, (2) 24AWG COPPER, (2) SINGLE-MODE FIBER	MOHAWK	96040	96920

2018-12-30

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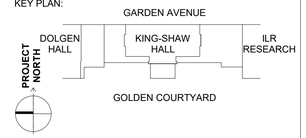
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL GENERAL NOTES

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-001

VIDEO TELECONFERENCING LIGHTING GUIDELINES

A.	**GENERAL**
	1. THESE REQUIREMENTS ARE GIVEN SO THAT A LIGHTING SYSTEM WILL BE PROVIDED THAT WILL ENHANCE THE VIDEO TELECONFERENCING SYSTEMS. LIGHTING SYSTEM DESIGN AND SPECIFICATIONS ARE BY OTHERS. THESE REQUIREMENTS SHOULD BE PASSED ON TO THE LIGHTING DESIGNERS.
B.	**LIGHT SOURCE POSITIONING**
	1. LIGHT EMANATING FROM THE FIXTURE OR INSTRUMENT SHOULD COME FROM AN ANGLE BETWEEN 45 AND 60 DEGREES VERTICAL. HORIZONTALLY, LIGHT SHOULD ALSO BE CAST FROM AN ANGLE IN ADDITION TO FRONT. THIS WILL ASSURE THAT MINIMUM SHADOWS ARE CREATED IN THE EYE SOCKETS AND UNDER NOSE AND CHIN.
	2. THE AMOUNT OF LIGHT FALLING ON THE FACE OF THE SUBJECTS MEASURED VERTICALLY SHOULD BE 50 TO 75 FC (FOOT-CANDLE). THE QUALITY OF LIGHT CAN BE ASSURED BY USING FLUORESCENT LAMPS OF 3000 TO 3200 DEGREES KELVIN WITH A CRI (COLOR RENDERING INDEX) OF 82+.
	3. THE USE OF HIGH COLOR TEMPERATURE LAMPS, IN THE ORDER OF 5700 DEG. K OR HIGHER, IS NOT NECESSARY FOR VIDEO CAMERAS. THE STRONG BLUE COMPONENT HAS A DELETERIOUS EFFECT ON SKIN TONES.
C.	**MONITOR/DISPLAY WALL AND BACK WALL LIGHTING CONSIDERATIONS**
	1. PROVIDE MINIMAL LIGHTING FOR THE SCREEN OR DISPLAY DEVICE FOR GOOD SCREEN CONTRAST AND IMAGE SHARPNESS. THE WALL WHERE THE DISPLAY DEVICE IS LOCATED SHOULD HAVE AS LITTLE ILLUMINATION AS POSSIBLE. NO REFLECTED GLARE SHOULD APPEAR ON THE SCREEN OR MONITOR TO INHIBIT VIEWING.
	2. PROVIDE LIGHTING FOR THE BACK WALL TO A LESSER EXTENT. THE SIDEWALLS ARE TO BALANCE THE BRIGHTNESS WITH THE REST OF THE ROOM. THIS PREVENTS THE CAMERA FROM SETTING ITS IRIS ON THE BACK OR SIDEWALLS THAT MAY BE TOO DARK OR TOO BRIGHT, ALLOWING TOO MUCH OR TOO LITTLE LIGHT INTO THE CAMERA, IN TURN CAUSING THE APPEARANCE OF OVER OR UNDER LIGHTING THE SUBJECT.
	3. GENERALLY, THE WALL FINISHES AND FURNITURE SHOULD BE VERY NEUTRAL, THE REFLECTANCE VALUES OF THE SELECTED COLORS AND SURFACES SHOULD BE AROUND 30 TO 40%. LIGHT LEVEL RATIOS FROM THE PARTICIPANT TO THE BACK OF THE ROOM SHOULD BE WITHIN 3:1, WHILE THE SIDEWALLS CAN BE 5:1.
D.	**RECOMMENDATIONS**
	1. THE FOLLOWING ARE OUR RECOMMENDED GUIDELINES FOR A GOOD LIGHTING SYSTEM IN THE NEW VIDEO TELECONFERENCE FACILITIES: a. COLOR TEMPERATURE: 3200 K (APPROX.) b. LIGHTING LEVEL: 70 FOOT-CANDLES, MEASURED VERTICALLY AT PARTICIPANTS' FACES. c. SOURCES: FLUORESCENT AND INCANDESCENT.
	2. THE FOLLOWING ZONES SHOULD HAVE INDEPENDENT CONTROL: a. ROOM PERIMETER. b. SCREEN AREA. c. FRONT/REAR PRESENTER POSITIONS. d. TABLE.
	3. ALL EFFORTS SHOULD BE MADE TO AVOID GLARE AND REFLECTIONS: a. AVOID REFLECTION ON MONITOR FACES. b. AVOID REFLECTIVE/GLOSSY/SHINY SURFACES.
	4. CONTRAST: a. ILLUMINATE SURFACES EVENLY (< 2 TO 1 CONTRAST RATIO). b. AVOID CONTRAST IN MATERIALS / PATTERNS. c. SOFTEN CORNERS WITH LIGHT. d. MAINTAIN A VERY 'LIGHT' REFLECTIVE CAVITY BY SELECTING COLORS AND MATERIALS THAT ARE LIGHT IN COLOR.
	5. LIGHTING INSTRUMENTS: a. INSTALL DIRECTIONAL FIXTURES THAT PROVIDE A WIDE HORIZONTAL COMPONENT, PREFERABLY RECESSED AND INDIRECT. b. FIXTURES SHOULD HAVE DIMMING BALLASTS AND BIAXIAL FLUORESCENT LAMPS. c. FIXTURES SHOULD FIT IN STANDARD 2' X 4' CEILING TILE BAY.
	6. PHOTOMETRICS: a. VERTICAL LIGHT LEVELS ON SESSION PARTICIPANTS SHOULD BE A MINIMUM OF 50 TO 70 FOOT-CANDLES, OR 538 LUX AND 753 LUX RESPECTIVELY. b. REFLECTANCE OF THE ROOM FINISHES SHOULD BE APPROXIMATELY 80 FOR THE CEILING, 40 FOR THE WALLS, AND 20 FOR THE FLOOR AND WORK SURFACES. c. FOR OUR PURPOSE, REFLECTANCE REFERS TO THE AMOUNT OF LIGHT THAT IS REFLECTED FROM A COLORED SURFACE, SUCH AS A TEXTURED WALL OR PAINTED SURFACE, TYPICALLY EXPRESSED IN PERCENTAGE.
E.	**RECOMMEND FINISHES**
	1. SURFACES VIEWED BY THE CAMERA WILL BE LIGHTED AND MUST BE COLORED TO PRODUCE A PLEASING PICTURE, SUITABLE FOR VIDEO CONFERENCING. THIS IS WITH REGARD TO THE VIDEO COMPRESSION PROCESSING AND TO AVOID DISTRACTIONS TO REMOTE SITE CONFERENCE PARTICIPANTS.
	2. THERE SHALL NOT BE EXCESSIVE CONTRAST BETWEEN WALL AND FURNITURE COLORS. BLUE/GRAY MATTE COLORS ARE RECOMMENDED. BUSY PATTERNS, WEAVES AND WOOD-GRAINS SHALL BE NOT BE USED. REFLECTIVE HARDWARE, SUCH AS CHROME CHAIRS, DOOR HARDWARE OR WALL PLATES, SHALL NOT BE USED. THE TABLETOP SHALL HAVE A NON-REFLECTIVE, NEUTRAL COLORED FINISH. PAINTINGS WITH GLASS COVERS SHOULD BE AVOIDED. WINDOWS SHALL BE TREATED WITH APPROPRIATE LIGHT BLOCKING DRAPERY SYSTEMS.
THE GUIDELINES ABOVE ARE ONLY BASELINE CRITERIA BASED ON THE AUDIOVISUAL FUNCTIONALITY OF THE ROOM. LIGHTING FIXTURE TYPES, QUANTITIES, EXACT LOCATIONS AND ZONING SHALL BE AS SPECIFIED BY THE ARCHITECT/LIGHTING CONSULTANT/ELECTRICAL ENGINEER. THE SPECIFICATIONS SHALL BE COORDINATED WITH CERAMI & ASSOCIATES, INC.	

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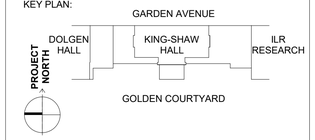


PROJECT:

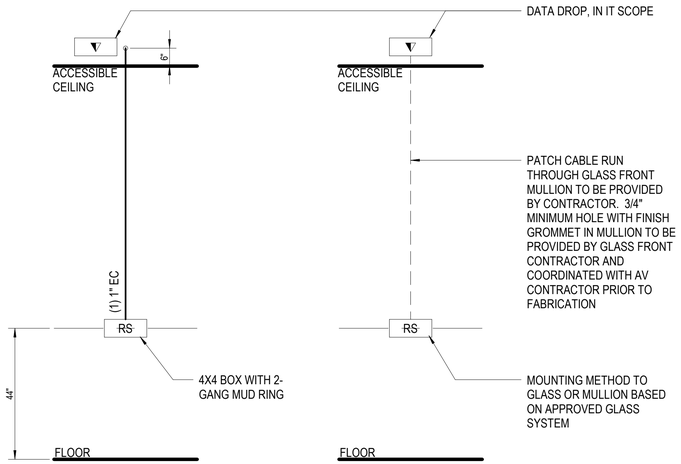
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL LIGHTING GUIDELINES

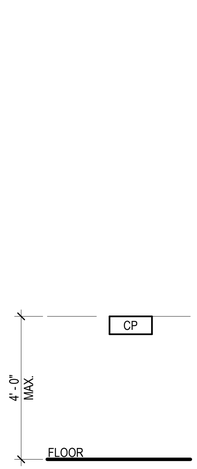
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-002

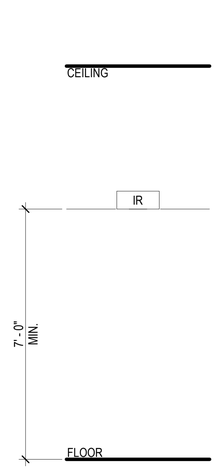


ROOM SCHEDULER SOLID WALL MOUNTING

ROOM SCHEDULER GLASS WALL MOUNTING



WALL MTD CONTROL PANEL



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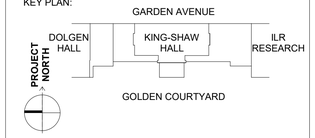


PROJECT:

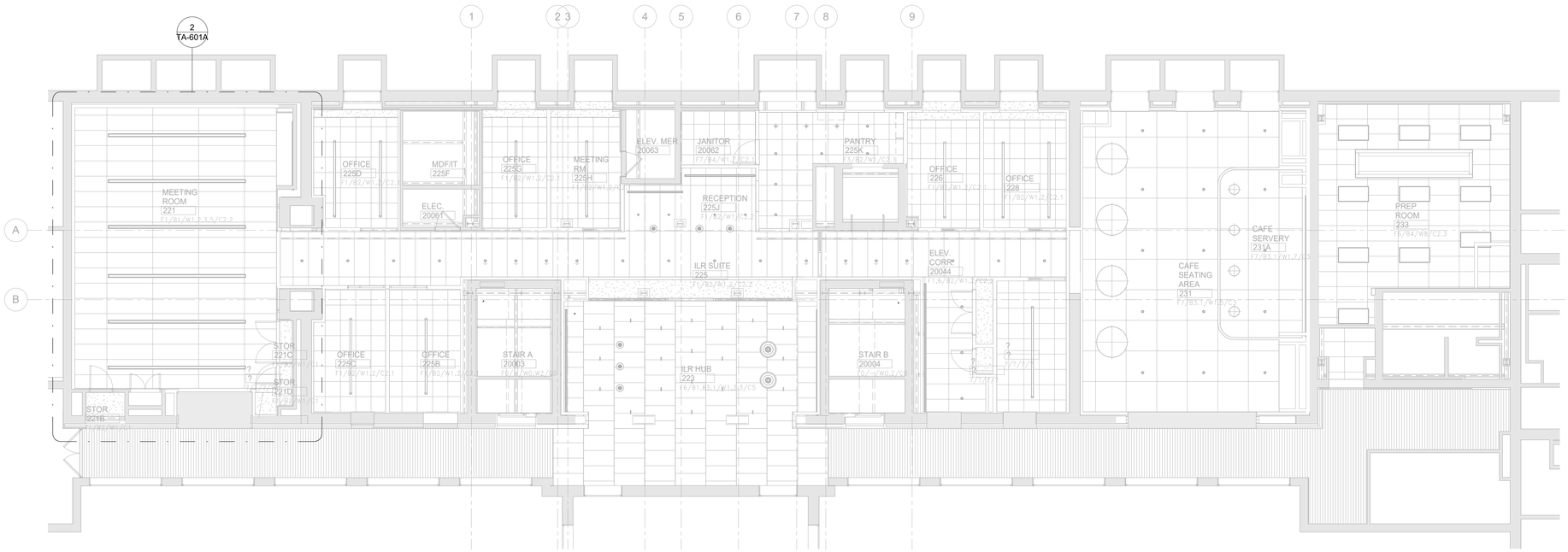
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

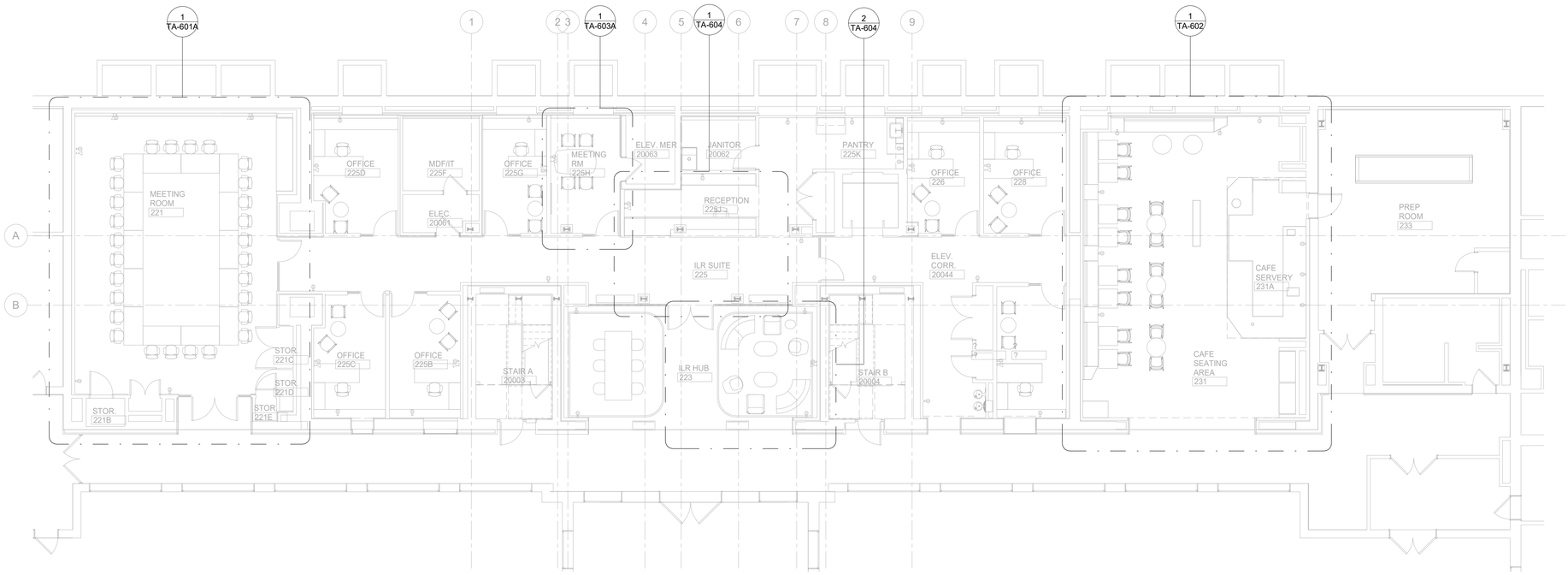
AUDIOVISUAL HVAC LOAD & MOUNTING STANDARD

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/2" = 1'-0"**

TA-003



2 AUDIOVISUAL - OVERALL RCP - SECOND FLOOR
SCALE: 1/8" = 1'-0"



1 AUDIOVISUAL - OVERALL PLAN - SECOND FLOOR
SCALE: 1/8" = 1'-0"

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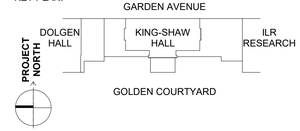

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL OVERALL PLANS - SECOND FLOOR

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
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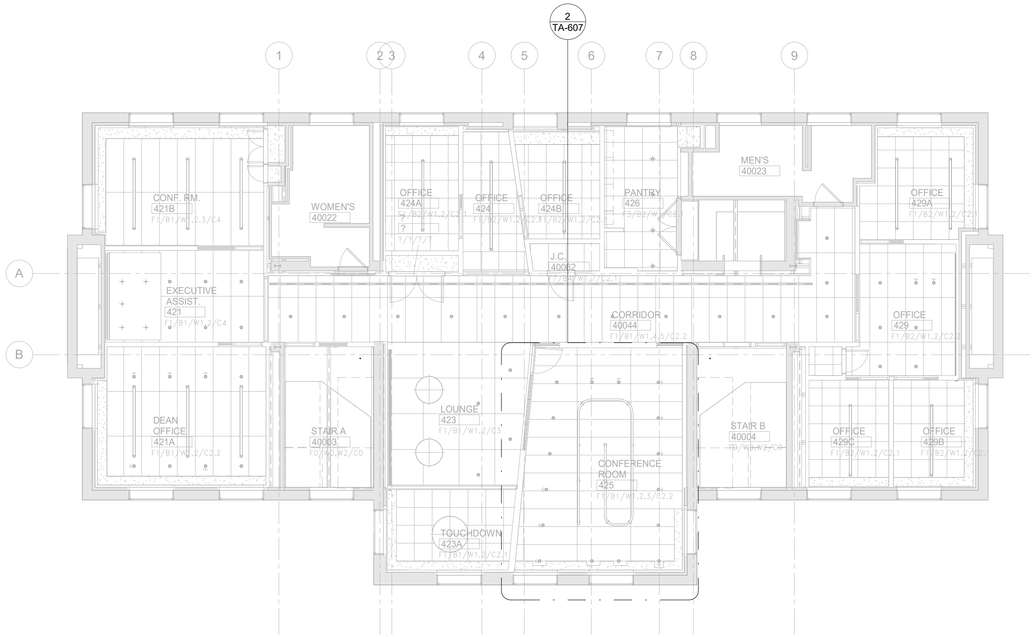
TA-201



4 AUDIOVISUAL - OVERALL RCP - FOURTH FLOOR
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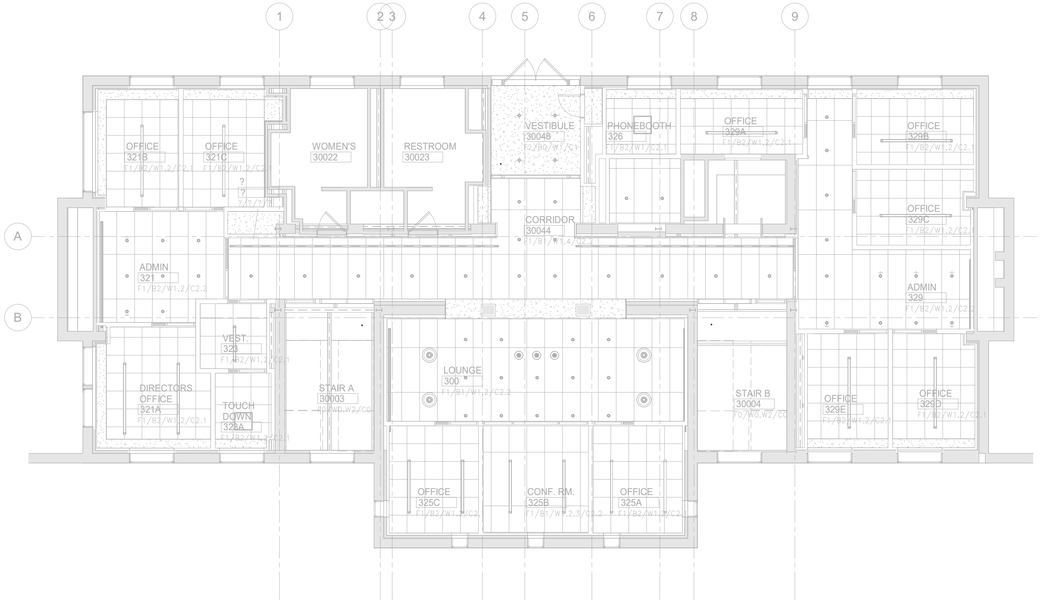

3 AUDIOVISUAL - OVERALL RCP - THIRD FLOOR
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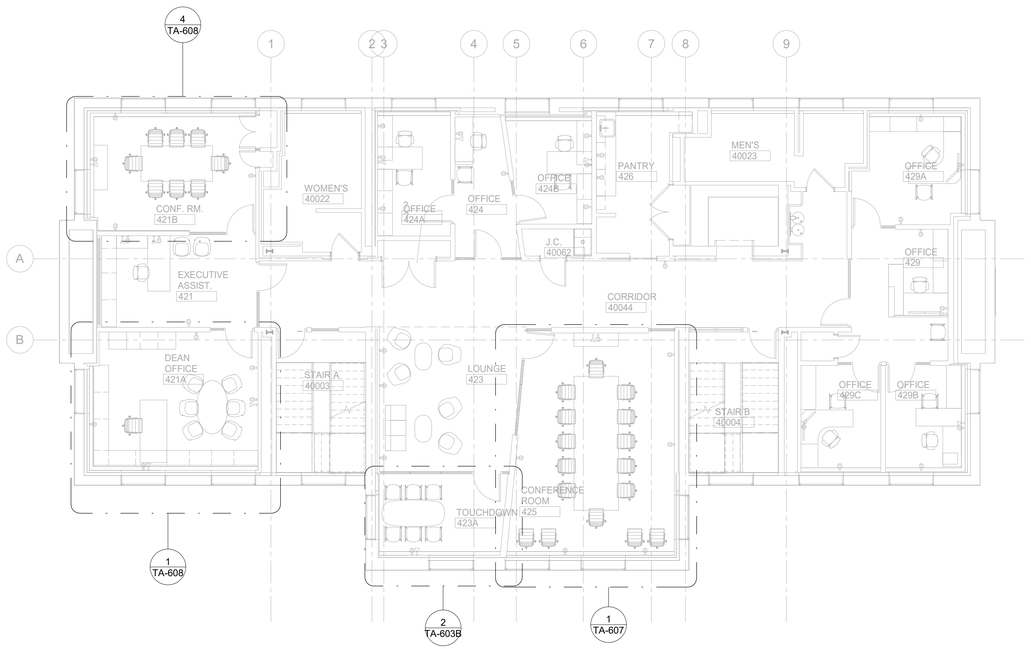

2 AUDIOVISUAL - OVERALL PLAN - FOURTH FLOOR
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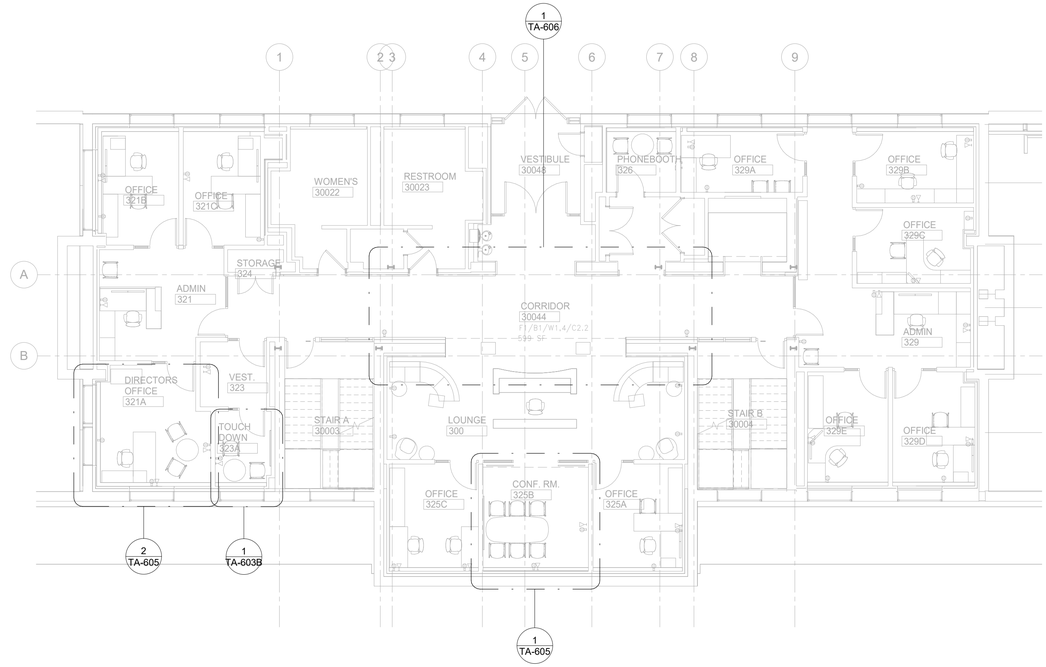

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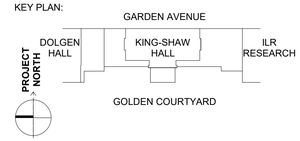


PROJECT:

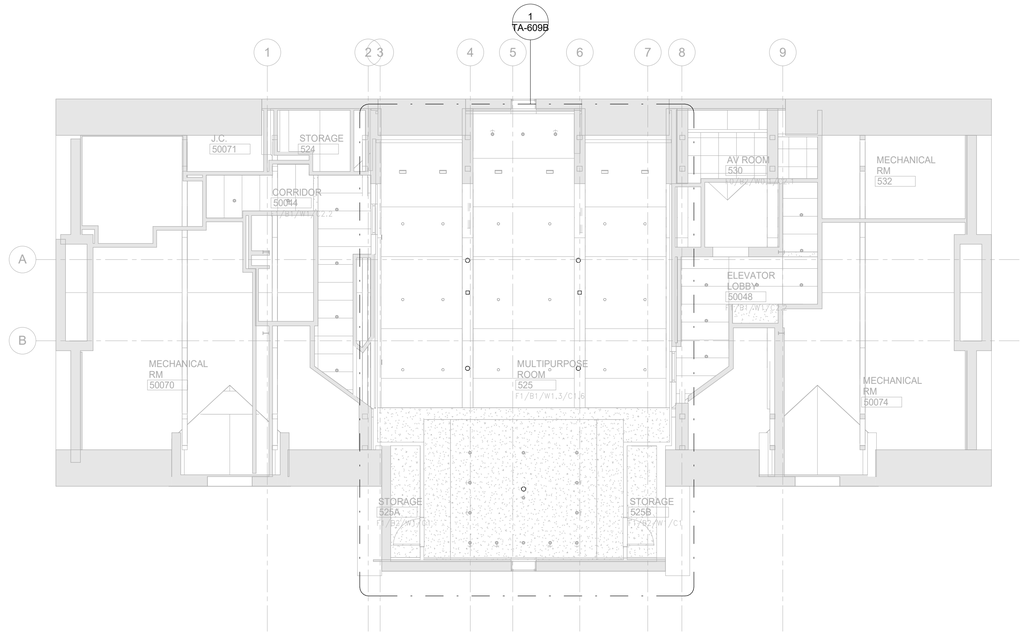
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

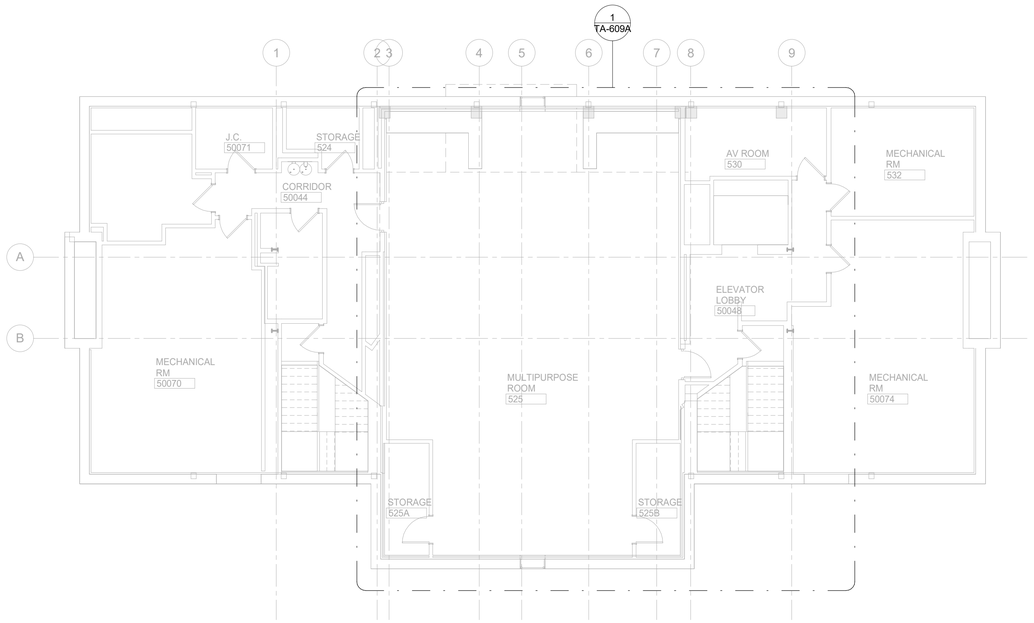
AUDIOVISUAL OVERALL PLAN - THIRD & FOURTH FLOOR

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

TA-202



2 **AUDIOVISUAL - OVERALL RCP - FIFTH FLOOR**
SCALE: 1/8" = 1'-0"



1 **AUDIOVISUAL - OVERALL PLAN - FIFTH FLOOR**
SCALE: 1/8" = 1'-0"

OWNER PROJECT NUMBER
Cornell University
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NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
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4	2024-12-18	90% CD
5	2025-01-31	100% CD

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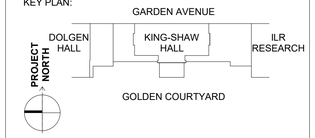
KEY PLAN:



PROJECT:

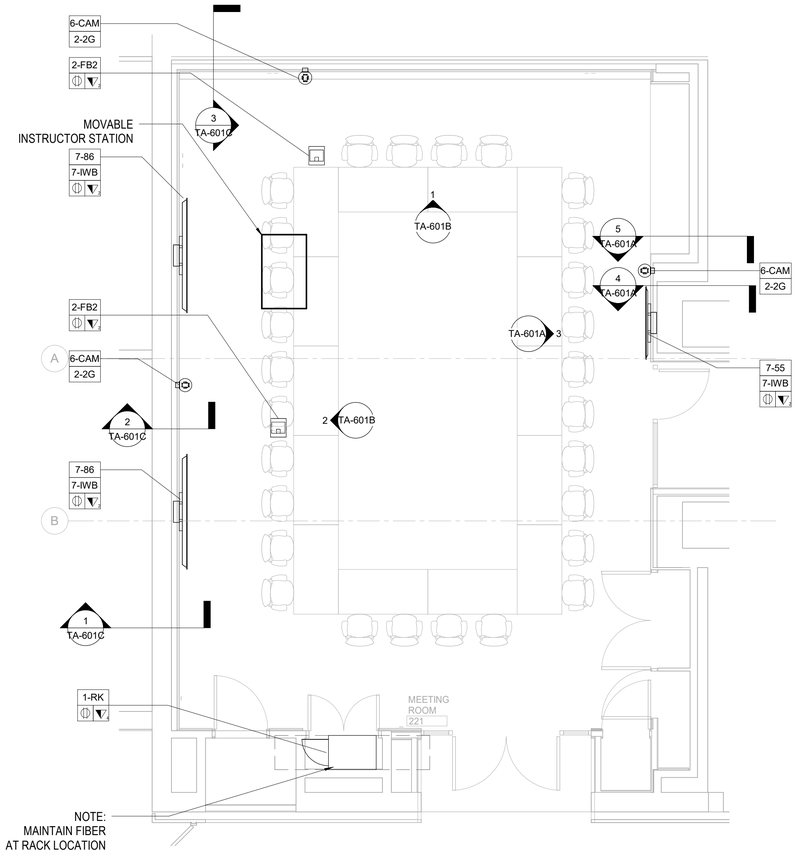
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL OVERALL PLAN - FIFTH FLOOR

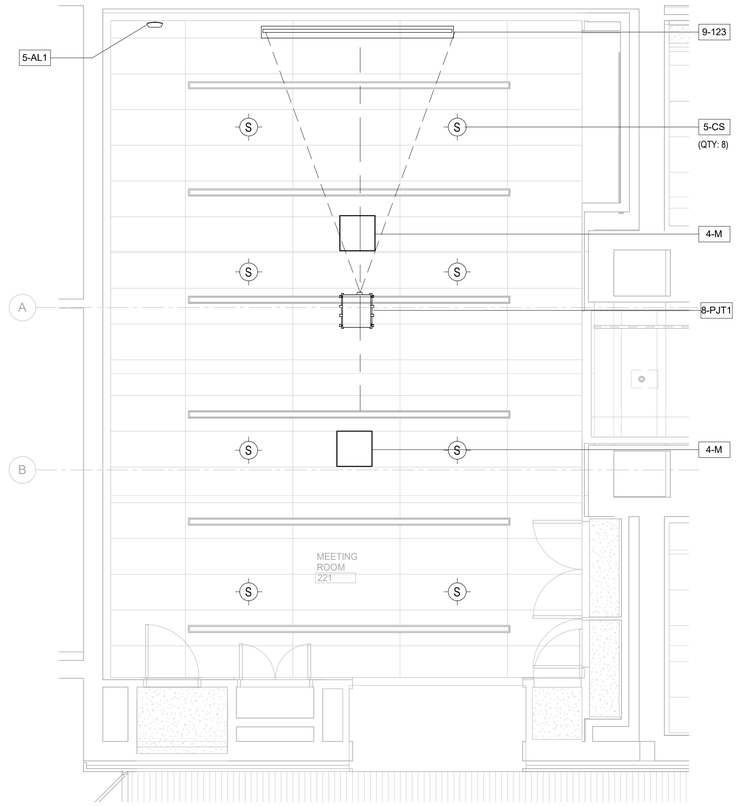
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

TA-203



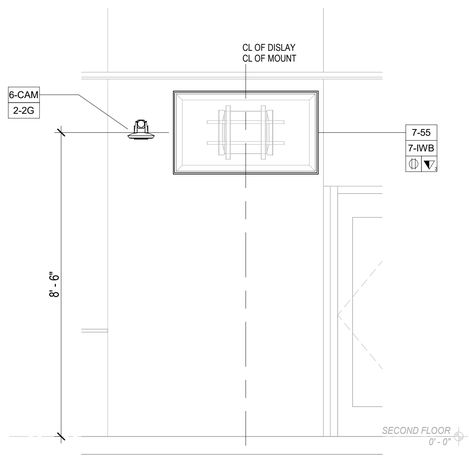
1 AUDIOVISUAL ENLARGED VIEW - SECOND FLOOR - MEETING ROOM 221

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



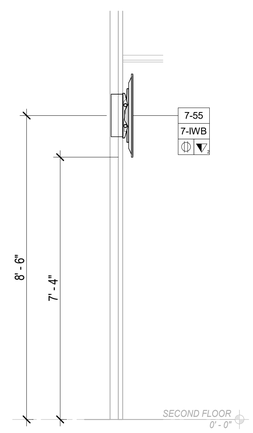
2 AUDIOVISUAL ENLARGED RCP - SECOND FLOOR - MEETING ROOM 221

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



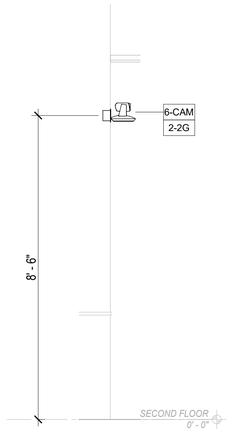
3 AV ELEVATION - MEETING ROOM 221

SCALE: 1/2" = 1'-0"



4 AV SCTION - MEETING ROOM (55" DISPLAY)

SCALE: 1/2" = 1'-0"

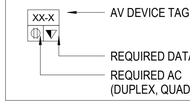


5 AV SECTION - MEETING ROOM 221(CAMERA)

SCALE: 1/2" = 1'-0"

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND



TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
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5	2025-01-31	100% CD

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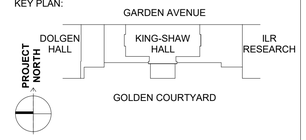
KEY PLAN:



PROJECT:

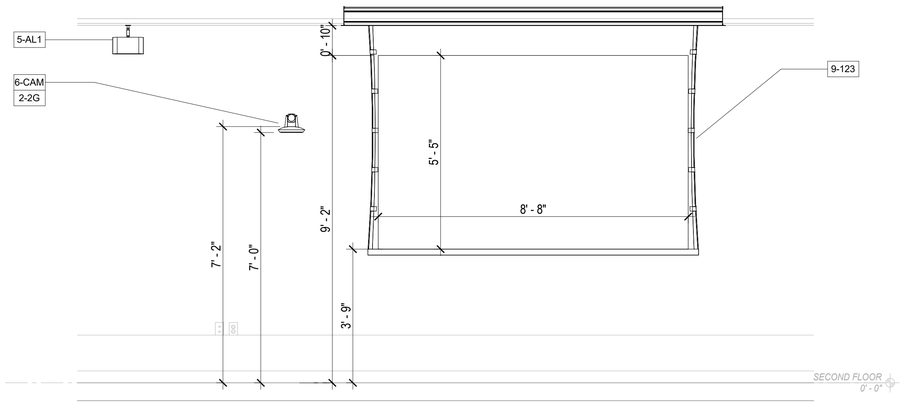
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

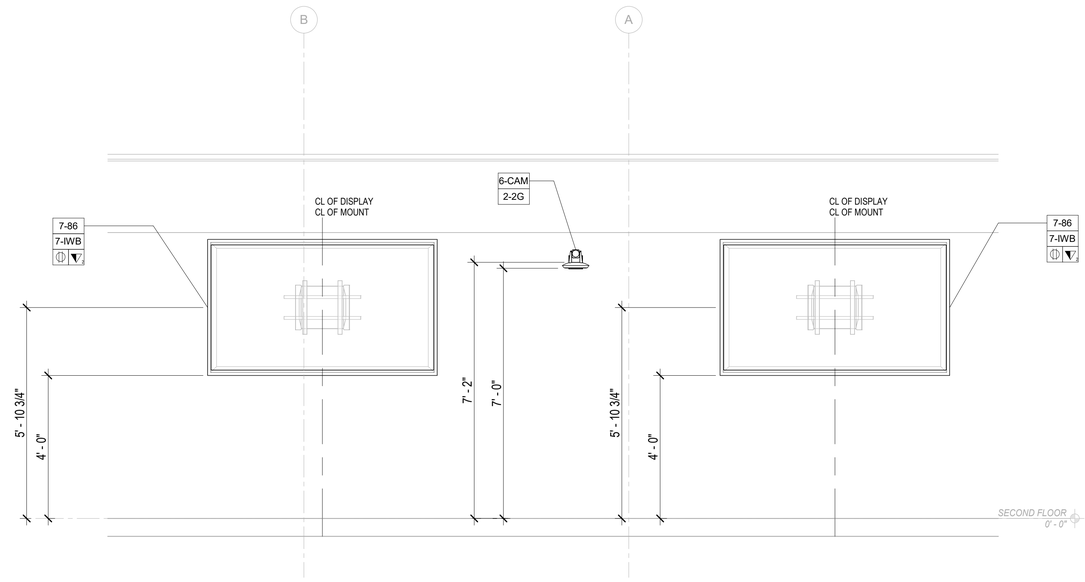
AUDIOVISUAL ENLARGED VIEWS - MEETING ROOM 221

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-601A



1 AUDIOVISUAL ELEVATION - SECOND FLOOR - MEETING ROOM 221 (PROJECTION SCREEN)
SCALE: 1/2" = 1'-0"



2 AUDIOVISUAL ELEVATION - SECOND FLOOR - MEETING ROOM 221 (NORTH WALL)
SCALE: 1/2" = 1'-0"

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
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7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
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7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
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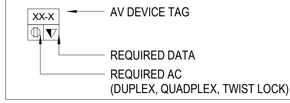
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND



TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
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	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
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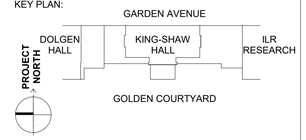
KEY PLAN:



PROJECT:

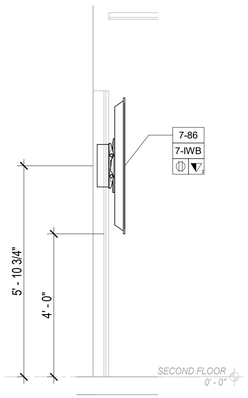
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ELEVATIONS - MEETING ROOM 221

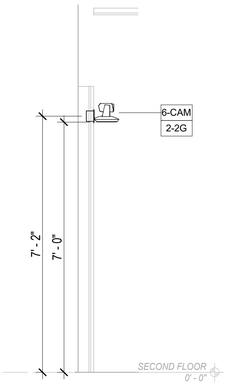
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-601B



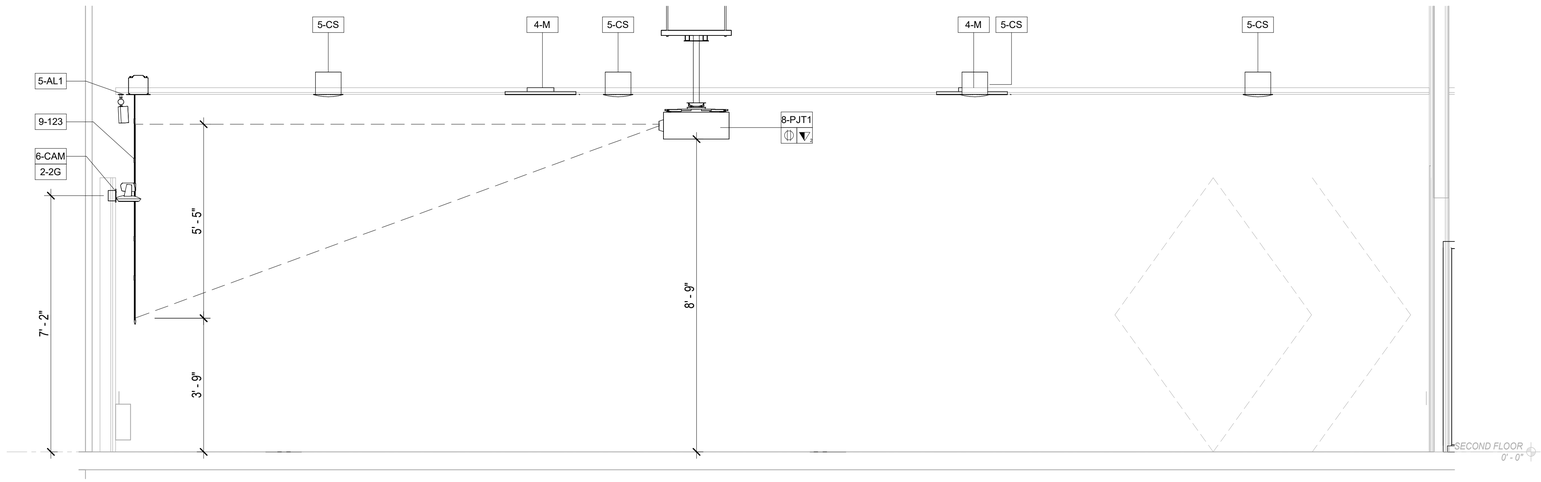
1 AUDIOVISUAL SECTION - SECOND FLOOR - MEETING ROOM 221(NORTH WALL DISPLAYS)

SCALE: 1/2" = 1'-0"



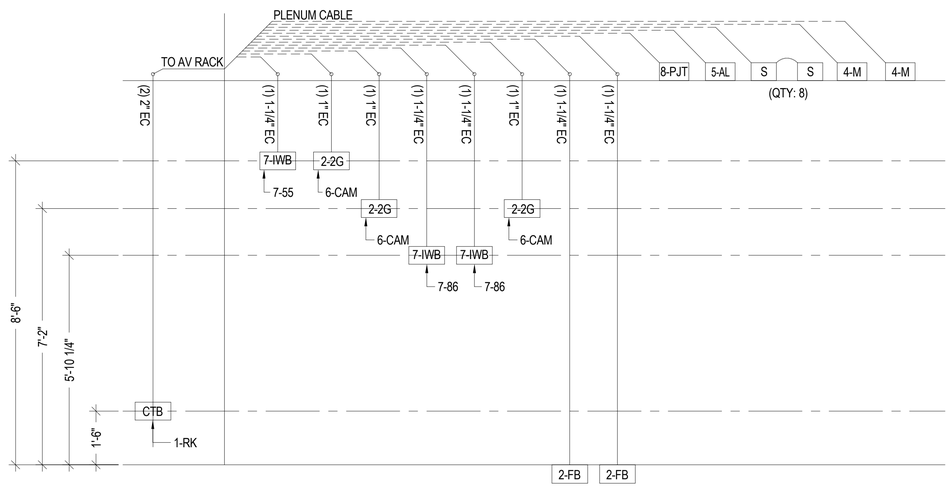
2 AUDIOVISUAL SECTION - SECOND FLOOR - MEETING ROOM 221(NORTH WALL CAMERA)

SCALE: 1/2" = 1'-0"



3 AUDIOVISUAL SECTION - SECOND FLOOR - MEETING ROOM 221(PROJECTION SCREEN)

SCALE: 1/2" = 1'-0"



4 AUDIOVISUAL RISER DIAGRAM - MEETING ROOM 221

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

XX-X
- AV DEVICE TAG
- REQUIRED DATA
- REQUIRED AC (DUPLEX, QUADPLEX, TWIST LOCK)

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:

DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

OWNER PROJECT NUMBER
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FOOD SERVICE:
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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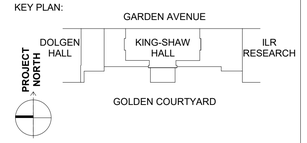
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

KEY PLAN:



PROJECT:

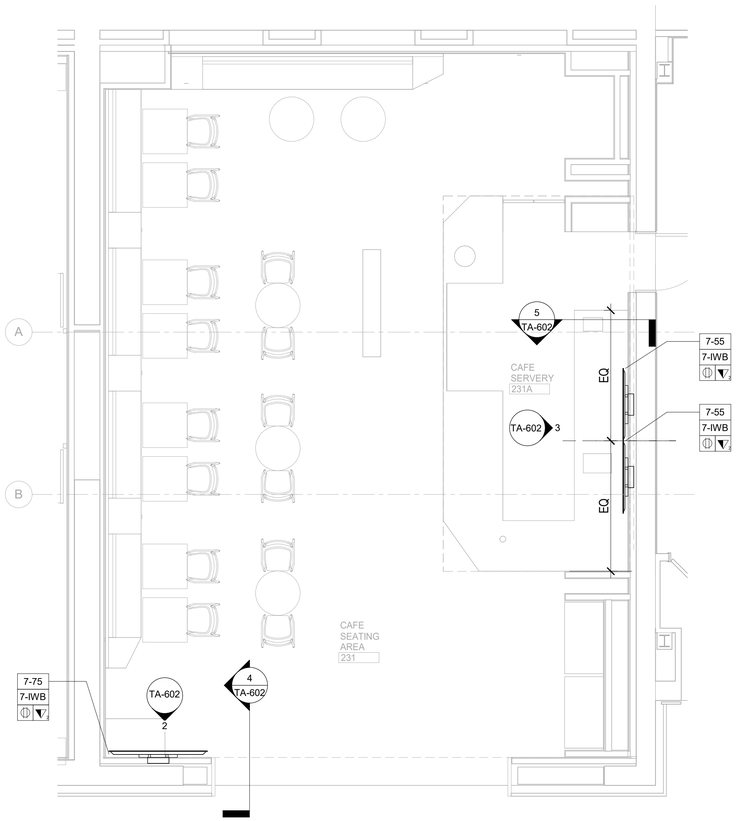
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SECTIONS - MEETING ROOM 221

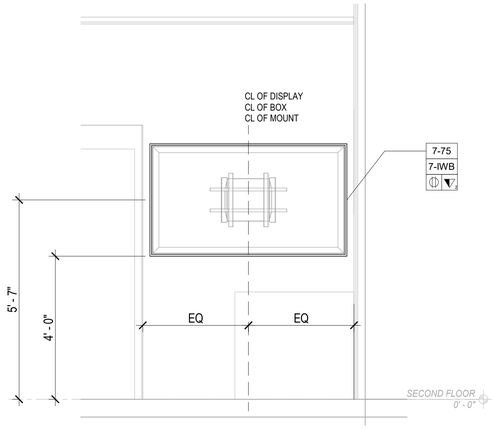
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-601C



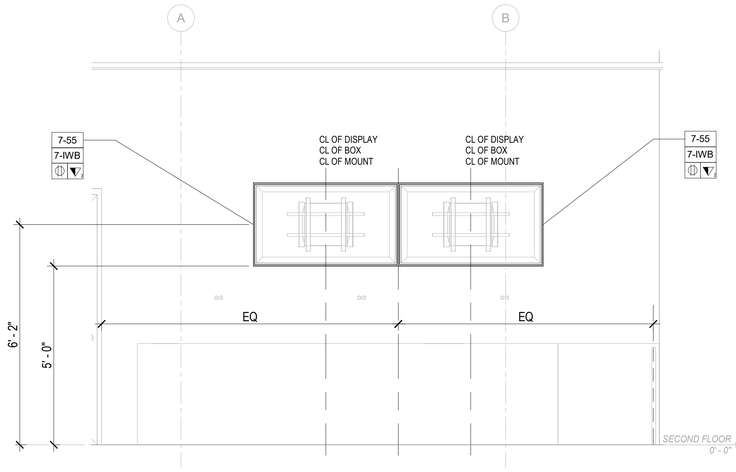
1 AUDIOVISUAL ENLARGED VIEW - SECOND FLOOR - CAFE SEATED AREA 231

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



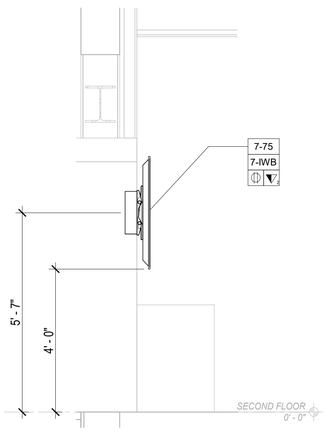
2 AUDIOVISUAL ELEVATION - SECOND FLOOR - CAFE SEATED AREA 231

SCALE: 1/2" = 1'-0"



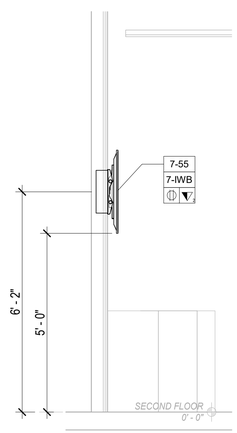
3 AUDIOVISUAL ELEVATION - SECOND FLOOR - CAFE SERVERY 231A

SCALE: 1/2" = 1'-0"



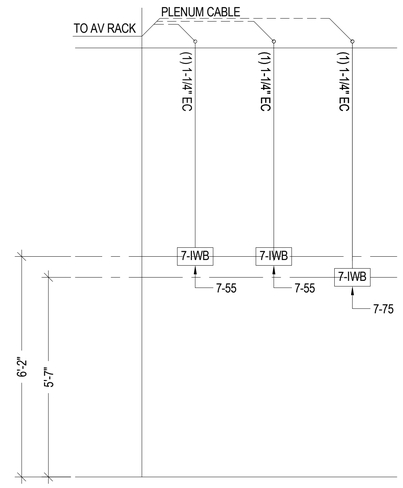
4 AV SECTION - CAFE SEATED AREA 231

SCALE: 1/2" = 1'-0"



5 AV SECTION - CAFE SERVERY 231A

SCALE: 1/2" = 1'-0"



6 AUDIOVISUAL RISER DIAGRAM - CAFE AREA 231 AND 231A

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

XX-X
- AV DEVICE TAG
- REQUIRED DATA
- REQUIRED AC (DUPLEX, QUADPLEX, TWIST LOCK)

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
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	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
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6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
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8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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(212) 937-1097

SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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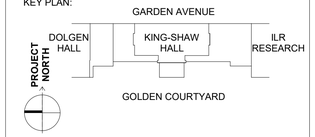
KEY PLAN:



PROJECT:

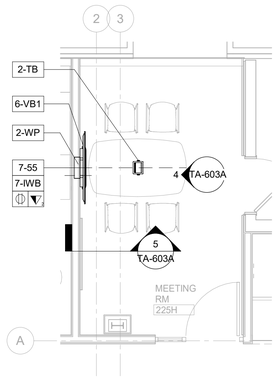
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ENLARGED VIEWS - CAFE SEATED AREA 231

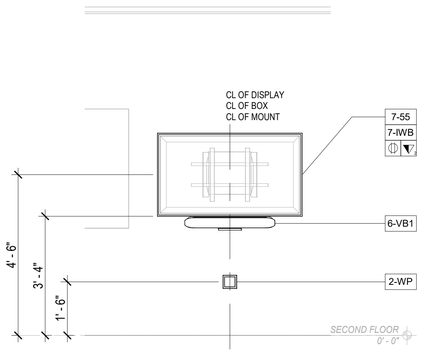
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-602



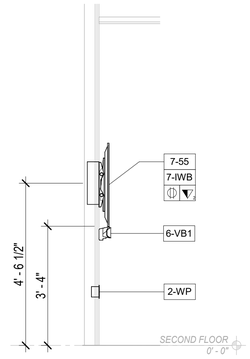
1 AUDIOVISUAL ENLARGED VIEW - SECOND FLOOR - MEETING ROOM 225H

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



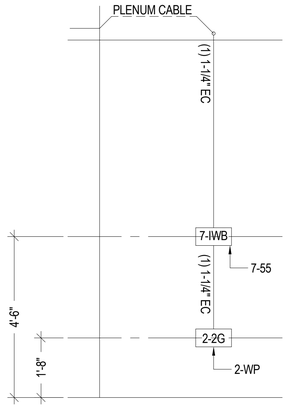
4 AV ELEVATION - SECOND FLOOR - MEETING ROOM 225H

SCALE: 1/2" = 1'-0"



5 AV SECTION - SECOND FLOOR - MEETING ROOM 225H

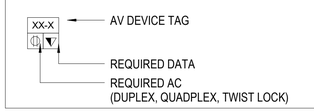
SCALE: 1/2" = 1'-0"



6 AUDIOVISUAL RISER DIAGRAM - MEETING ROOM 225H

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND



TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

OWNER PROJECT NUMBER
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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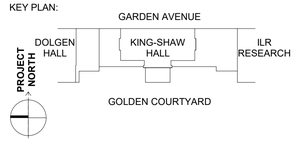
KEY PLAN:



PROJECT:

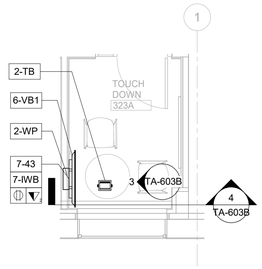
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ENLARGED VIEWS - MEETING ROOM 225H

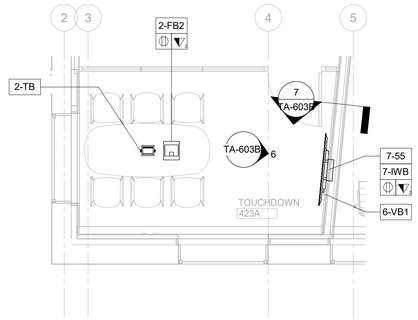
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-603A



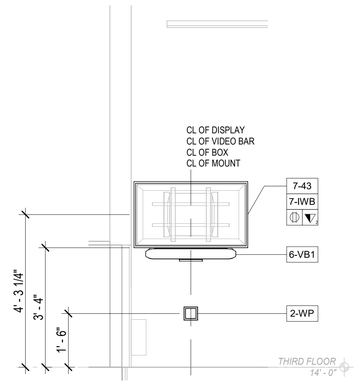
1 AUDIOVISUAL ENLARGED PLAN - THIRD FLOOR - TOUCHDOWN 323A

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



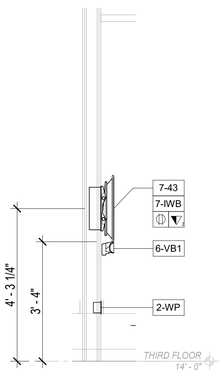
2 AUDIOVISUAL ENLARGED VIEW - FOURTH FLOOR - TOUCHDOWN 423A

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



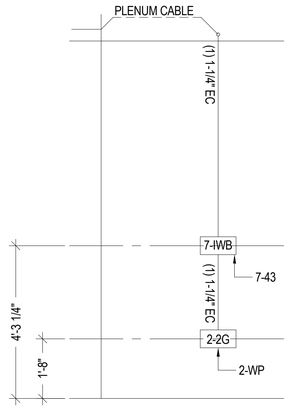
3 AUDIOVISUAL ELEVATION - TOUCHDWON 323A

SCALE: 1/2" = 1'-0"

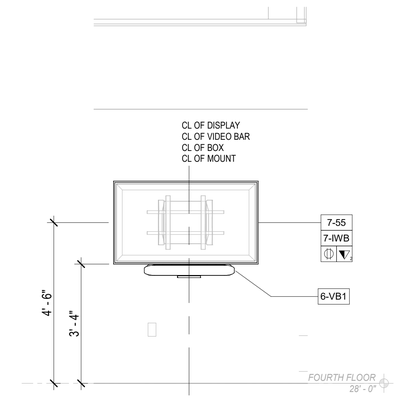


4 AV SECTION - THIRD FLOOR - TOUCHDOWN 323A

SCALE: 1/2" = 1'-0"

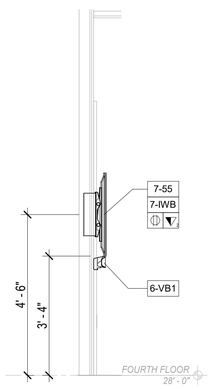


5 AUDIOVISUAL RISER DIAGRAM -TOUCHDOWN 323A



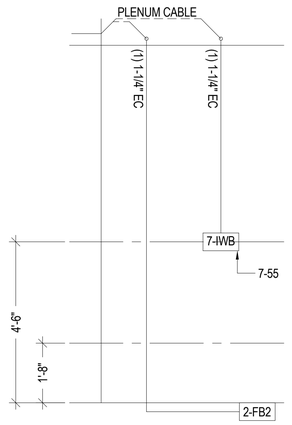
6 AUDIOVISUAL ELEVATION - TOUCHDOWN 423A

SCALE: 1/2" = 1'-0"



7 AV SECTION - FOURTH FLOOR - TOUCHDOWN 423A

SCALE: 1/2" = 1'-0"



8 AUDIOVISUAL RISER DIAGRAM - TOUCHDWON 423A

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

AV DEVICE TAG

REQUIRED DATA

REQUIRED AC
(DUPLEX, QUADPLEX, TWIST LOCK)

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
AV	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
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12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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SEAL:

ISSUE/REVISION:

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4	2024-12-18	90% CD
5	2025-01-31	100% CD

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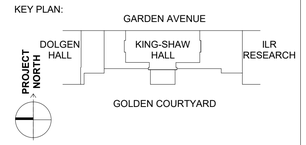
KEY PLAN:



PROJECT:

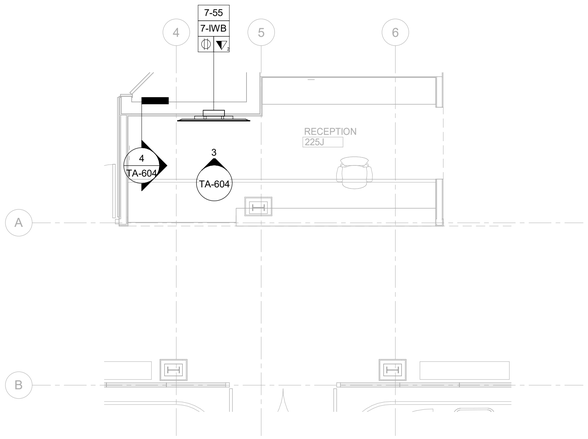
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ENLARGED VIEWS - TOUCHDOWN

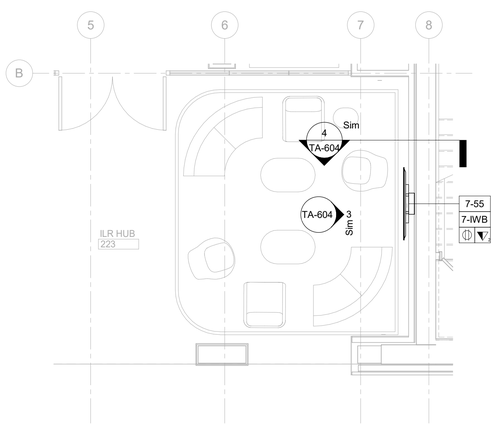
PROJECT NO: 243310.0129	DATE: 01/31/2025
PHASE: 100% CD	SCALE: As indicated

TA-603B



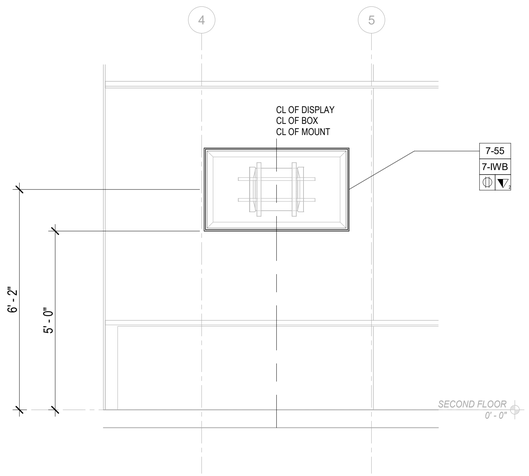
1 AUDIOVISUAL ENLARGED VIEW- SECOND FLOOR - RECEPTION 225J

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



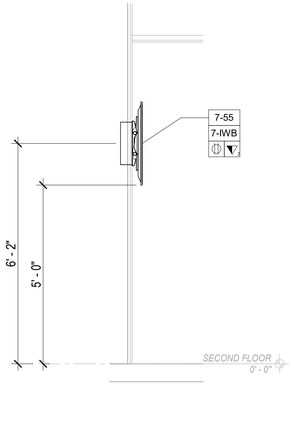
2 AUDIOVISUAL ENLARGED VIEW - SECOND FLOOR - ILR HUB 223

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

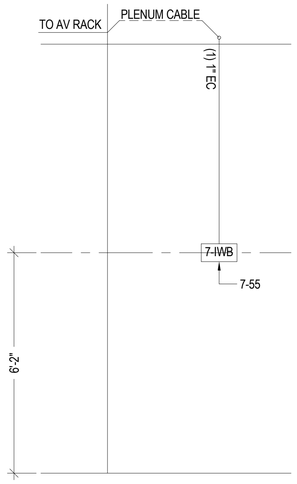


3 AUDIOVISUAL ELEVATION -RECEPTION 225J & ILR HUB 223

SCALE: 1/2" = 1'-0"



4 AUDIOVISUAL SECTION - RECEPTION 225J & ILR HUB 223



5 AV RISER DIAGRAM - RECEPTION 225J & ILR HUB 223

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
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7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

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12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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1	2024-08-27	PROGRESS SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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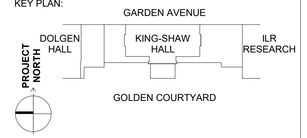
KEY PLAN:



PROJECT:

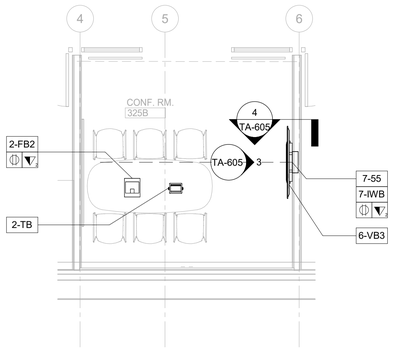
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ENLARGED VIEWS - RECEPTION 225J & ILR HUB 223

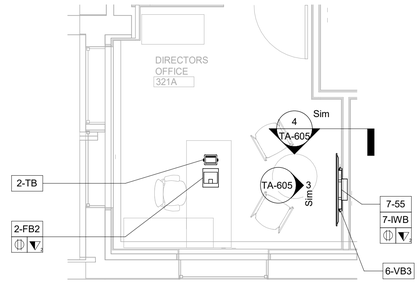
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-604



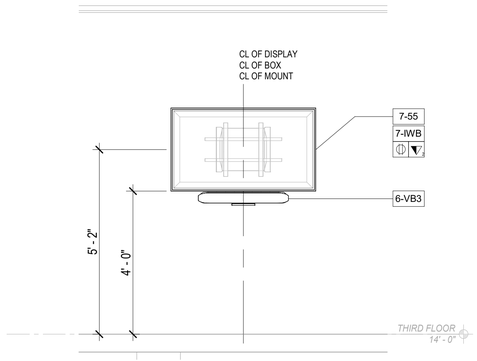
1 AUDIOVISUAL ENLARGED VIEW - THIRD FLOOR - CONFERENCE ROOM 325B

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



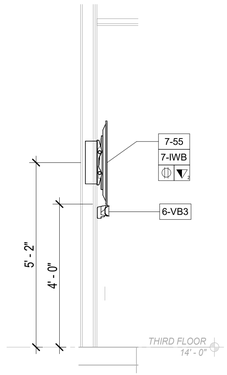
2 AUDIOVISUAL ENLARGED VIEW - THIRD FLOOR - DIRECTORS OFFICE 321A

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



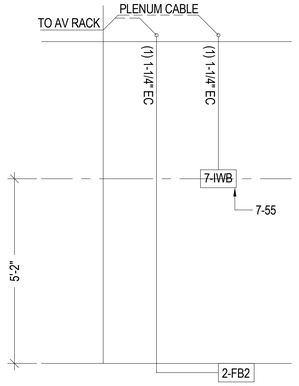
3 AUDIOVISUAL ELEVATION - CONFERENCE ROOM 325B & 321A

SCALE: 1/2" = 1'-0"



4 AUDIOVISUAL SECTION - CONFERENCE ROOM 325B & 321A

SCALE: 1/2" = 1'-0"



5 AUDIOVISUAL RISER DIAGRAM - CONF RM 325B & 321A

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
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4	2024-12-18	90% CD
5	2025-01-31	100% CD

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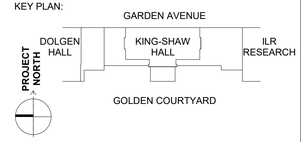
KEY PLAN:



PROJECT:

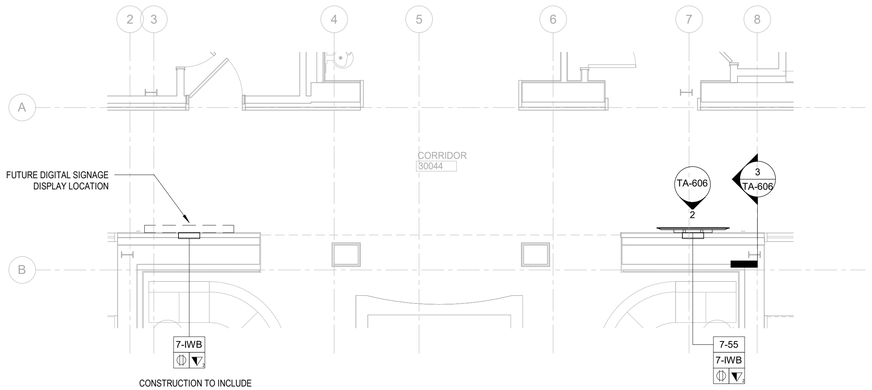
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ENLARGED VIEWS - CONFERENCE RM 325B & 321A

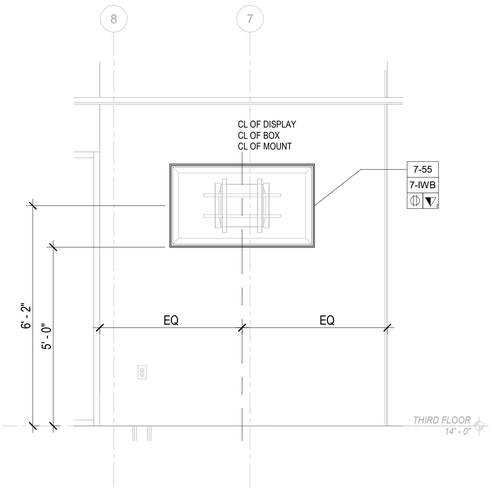
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-605



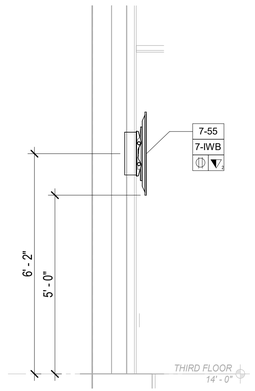
1 AUDIOVISUAL ENLARGED VIEW - THIRD FLOOR - CORRIDOR

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



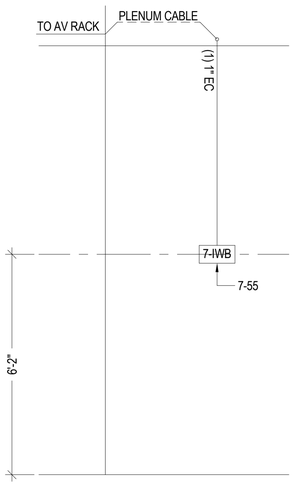
2 AUDIOVISUAL ELEVATION - THIRD FLOOR - CORRIDOR

SCALE: 1/2" = 1'-0"



3 AUDIOVISUAL SECTION - THIRD FLOOR - CORRIDOR

SCALE: 1/2" = 1'-0"



4 AUDIOVISUAL RISER DIAGBRAM - THIRD FL CORRIDOR

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
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4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
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5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
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6-# VIDEO ORIGIN/SOURCE	
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6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
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6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
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7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

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12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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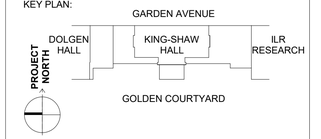


PROJECT:

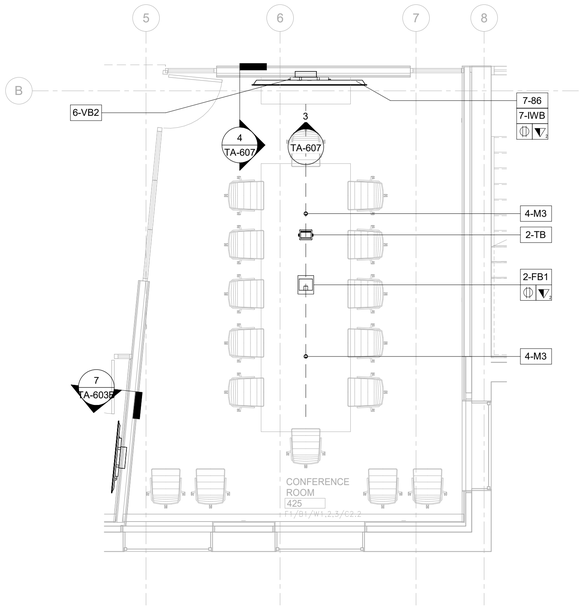
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ENLARGED VIEWS - THIRD FL CORRIDOR

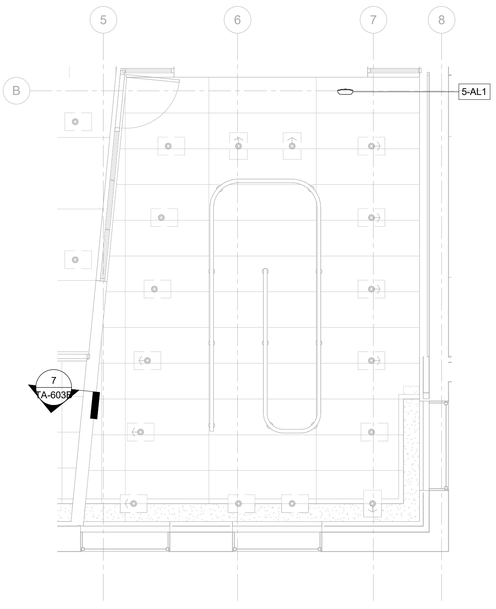
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-606



1 AUDIOVISUAL ENLARGED VIEW - FOURTH FLOOR - CONFERENCE ROOM 425

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



2 AUDIOVISUAL ENLARGED RCP - FOURTH FLOOR - CONFERENCE ROOM 425

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

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
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7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
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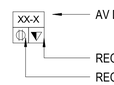
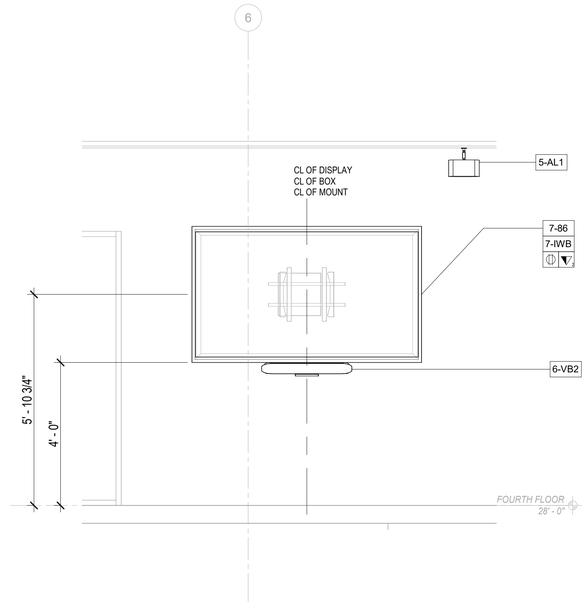
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND



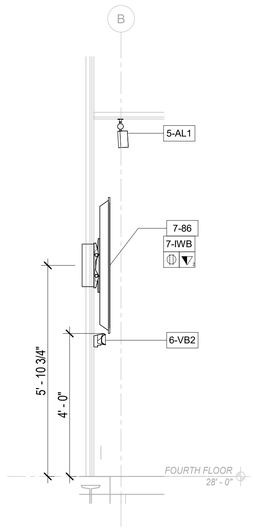
TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.



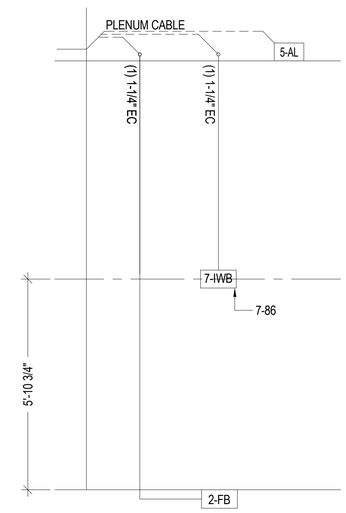
3 AUDIOVISUAL ELEVATION - FOURTH FLOOR - CONFERENCE ROOM 425

SCALE: 1/2" = 1'-0"



4 AUDIOVISUAL SECTION - FOURTH FLOOR - CONFERENCE ROOM 425

SCALE: 1/2" = 1'-0"



5 AUDIOVISUAL RISER DIAGRAM - CONF RM 425

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

OWNER PROJECT NUMBER
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FOOD SERVICE:
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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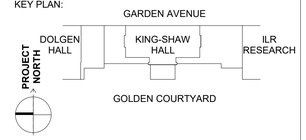
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

KEY PLAN:



PROJECT:

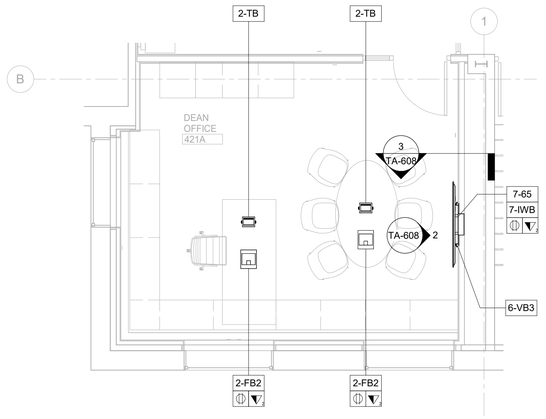
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ENLARGED VIEWS - CONFERENC ROOM 425

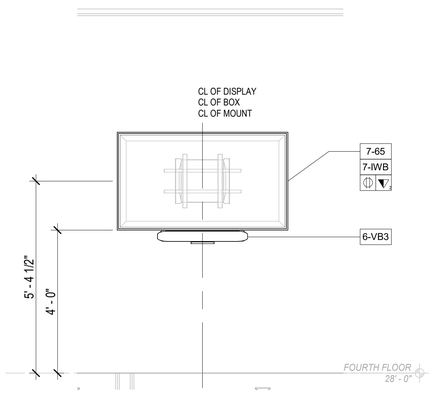
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-607



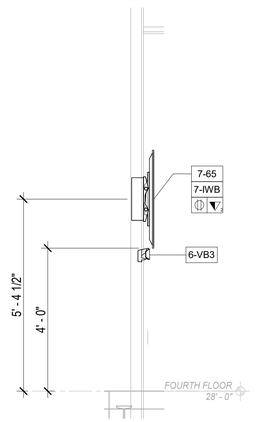
1 AUDIOVISUAL ENLARGED VIEW - FOURTH FLOOR - DEAN OFFICE 421A

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



2 AV ELEVATION - FOURTH FLOOR - DEAN OFFICE 421A

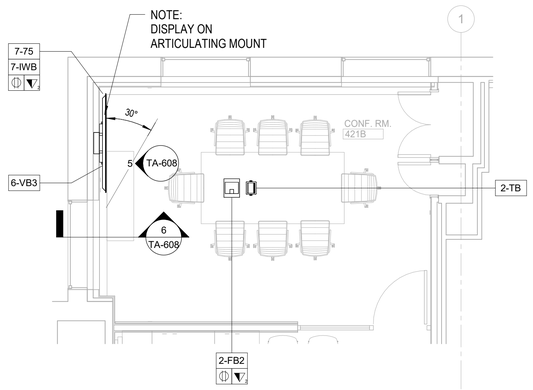
SCALE: 1/2" = 1'-0"



3 AV SECTION - FOURTH FLOOR - DEAN OFFICE 421A

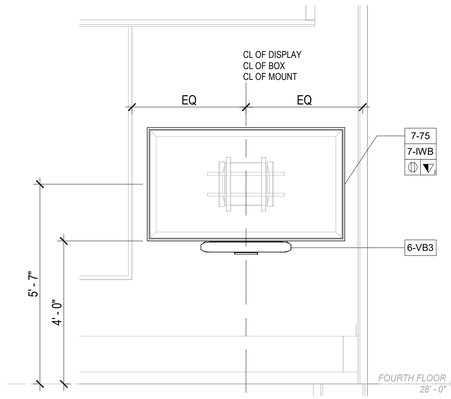
SCALE: 1/2" = 1'-0"

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN



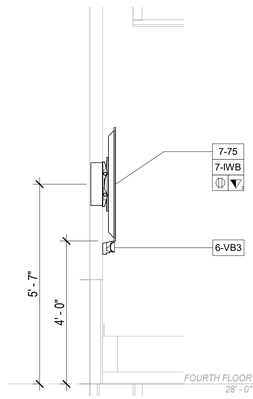
4 AUDIOVISUAL ENLARGED VIEW - FOURTH FLOOR - CONFERENCE ROOM 421B

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



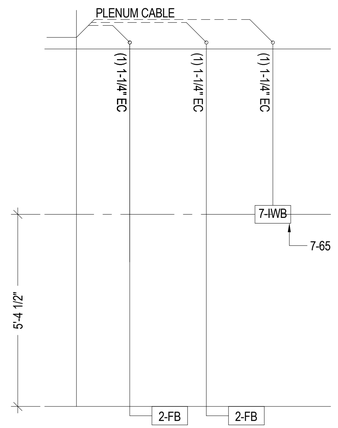
5 AV ELEVATION - FOURTH FLOOR - CONF. ROOM 421B

SCALE: 1/2" = 1'-0"

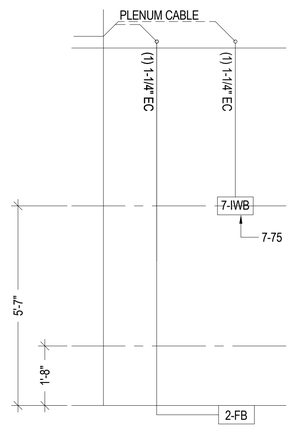


6 AV SECTION - FOURTH FLOOR - CONF. ROOM 421B

SCALE: 1/2" = 1'-0"



7 AUDIOVISUAL RISER DIAGRAM - DEAN OFFICE 421A



8 AUDIOVISUAL RISER DIAGRAM - CONF RM 421B

TA - EQUIPMENT TAG LEGEND

XX-X
AV DEVICE TAG
REQUIRED DATA
REQUIRED AC
(DUPLEX, QUADPLEX, TWIST LOCK)

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
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	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
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3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
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12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
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4	2024-12-18	90% CD
5	2025-01-31	100% CD

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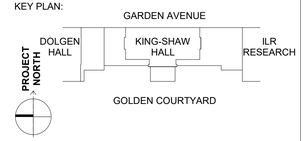
KEY PLAN:



PROJECT:

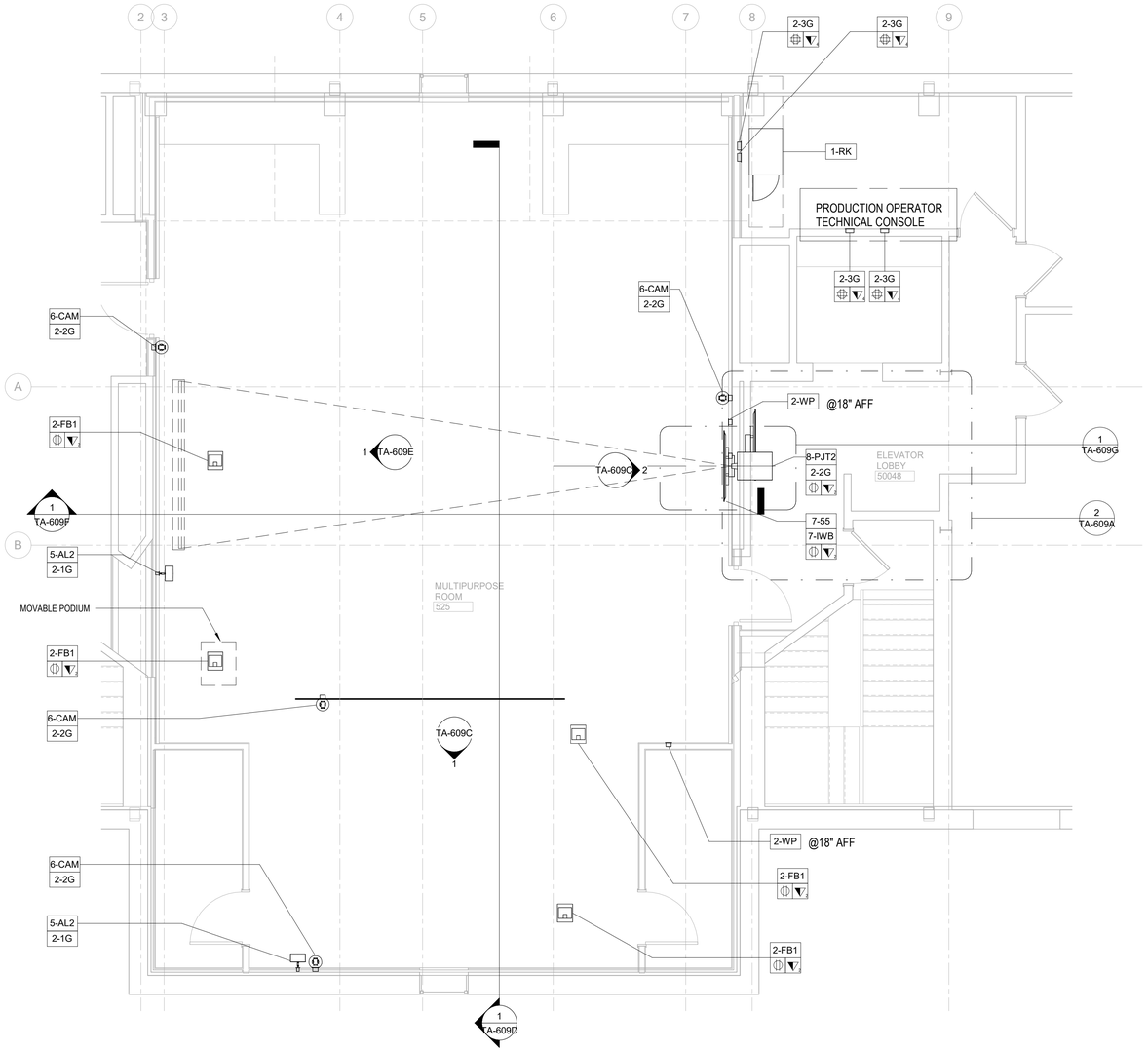
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ENLARGED VIEWS - CONFERENC ROOM 403A & 403B

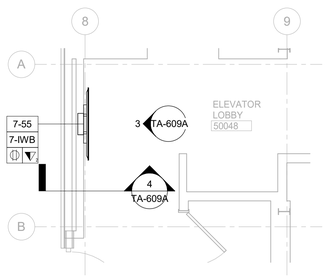
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-608



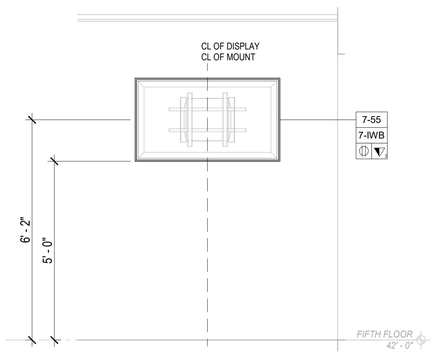
1 AUDIOVISUAL ENLARGED VIEW - FIFTH FLOOR - MPR 525

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



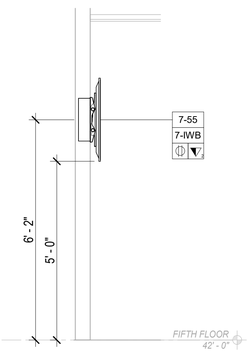
2 AUDIOVISUAL ENLARGED VIEW - FIFTH FLOOR - ELEVATOR LOBBY 50048

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



3 AV ELEVATION - ELEVATOR LOBBY 50048

SCALE: 1/2" = 1'-0"



4 AV SECTION - ELEVATOR LOBBY 50048

SCALE: 1/2" = 1'-0"

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

XX-X — AV DEVICE TAG

REQUIRED DATA

REQUIRED AC
(DUPLEX, QUADPLEX, TWIST LOCK)

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:

DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
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6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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4	2024-12-18	90% CD
5	2025-01-31	100% CD

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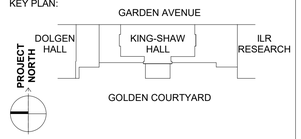
KEY PLAN:



PROJECT:

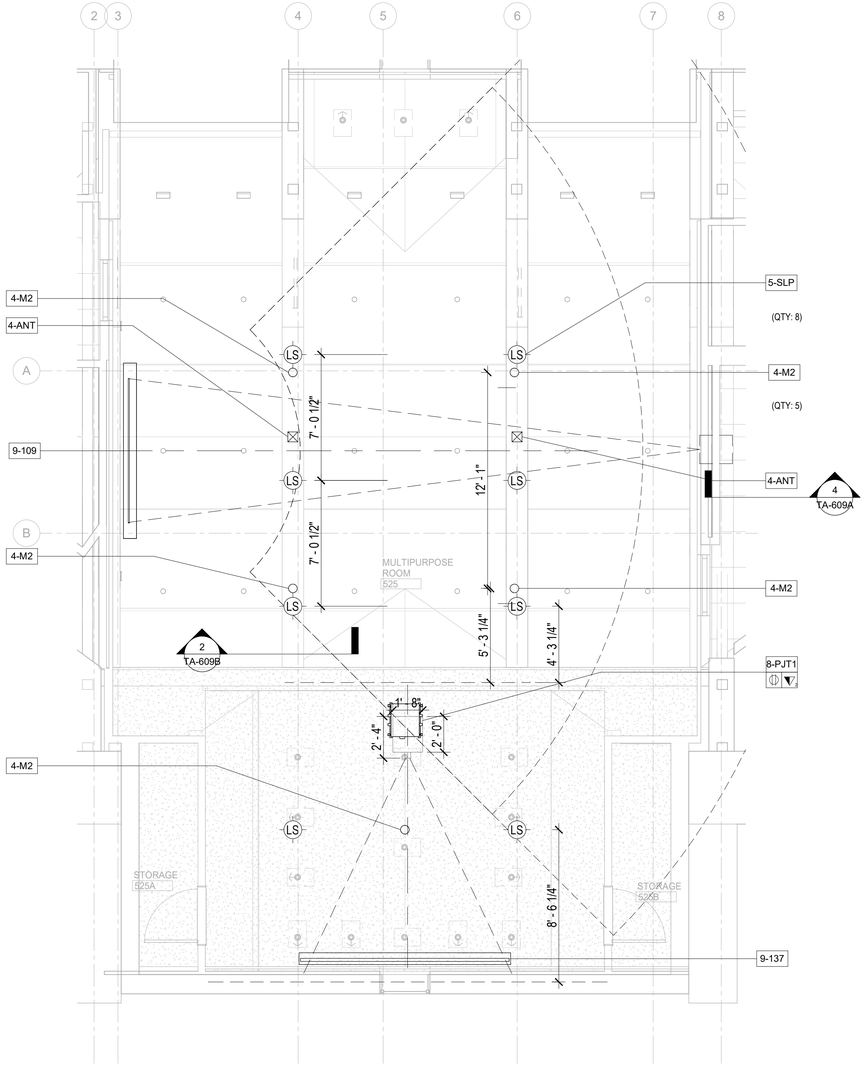
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

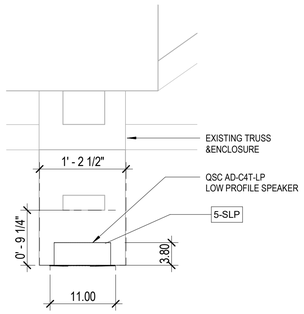
AUDIOVISUAL ENLARGED VIEWS - MPR 525

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-609A



1 AUDIOVISUAL ENLARGED RCP - FIFTH FLOOR - MPR 525
SCALE: 1/4" = 1'-0"



2 AUDIOVISUAL DETAIL - MPR 525 - CEILING SPEAKER MOUNT
SCALE: 1" = 1'-0"

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
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12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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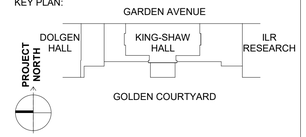


PROJECT:

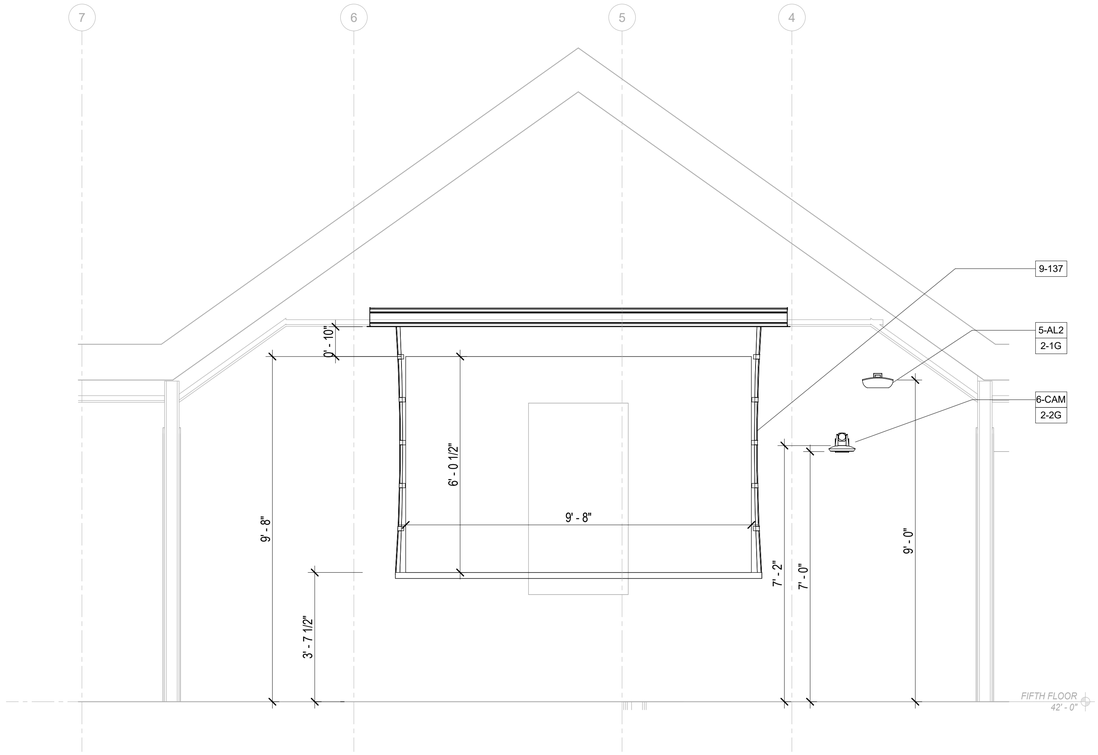
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

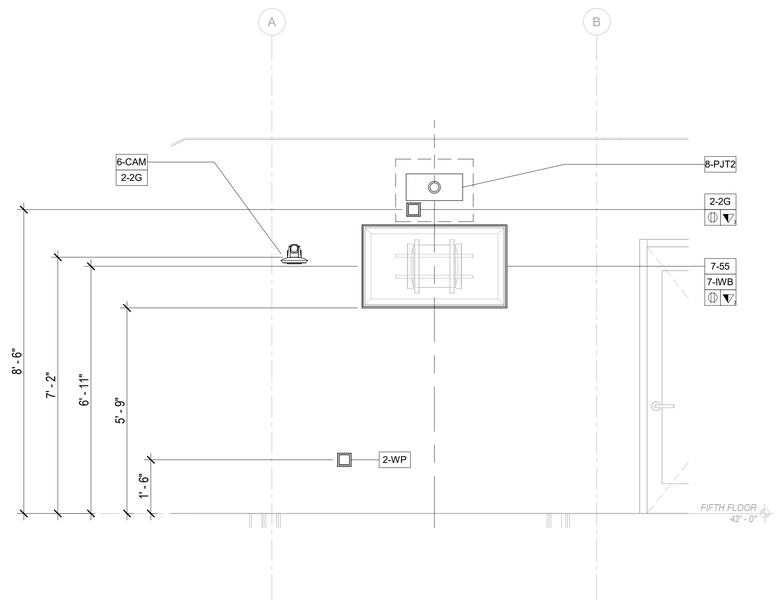
AUDIOVISUAL ENLARGED RCP - MPR 525

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-609B



1 AUDIOVISUAL ELEVATION - FIFTH FLOOR - MPR 525(137" PROJECTION SCREEN-WEST VIEW)
SCALE: 1/2" = 1'-0"



2 AUDIOVISUAL ELEVATION - MPR 525 (SOUTH VIEW)
SCALE: 1/2" = 1'-0"

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
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7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
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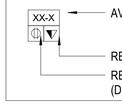
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND



TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
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	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
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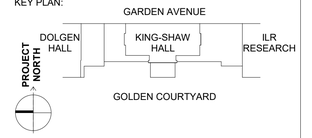


PROJECT:

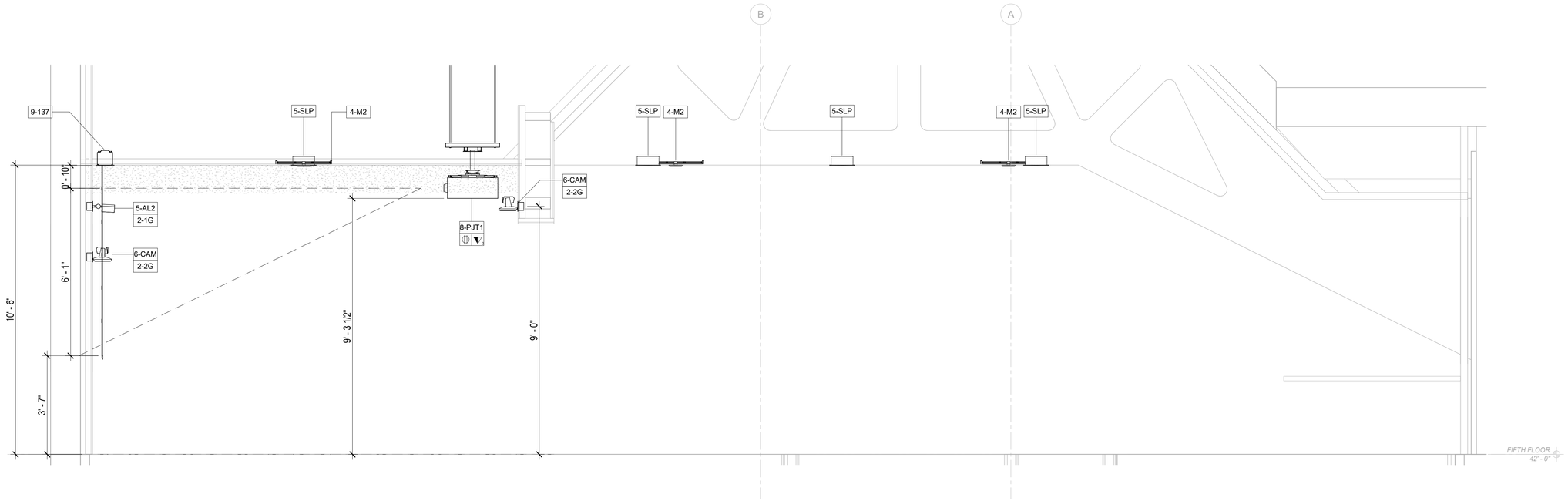
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ELEVATION - MPR 525 (WEST VIEW)

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

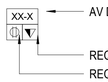
TA-609C



1 AUDIOVISUAL SECTION - FIFTH FLOOR - MPR 525 (137" WEST PROJECTION SCREEN)

SCALE: 1/2" = 1'-0"

TA - EQUIPMENT TAG LEGEND



TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
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	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
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AUDIOVISUAL DEVICE KEY

TAG	DESCRIPTION
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

OWNER PROJECT NUMBER
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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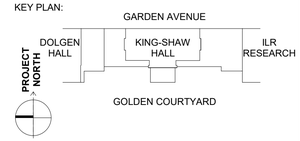
KEY PLAN:



PROJECT:

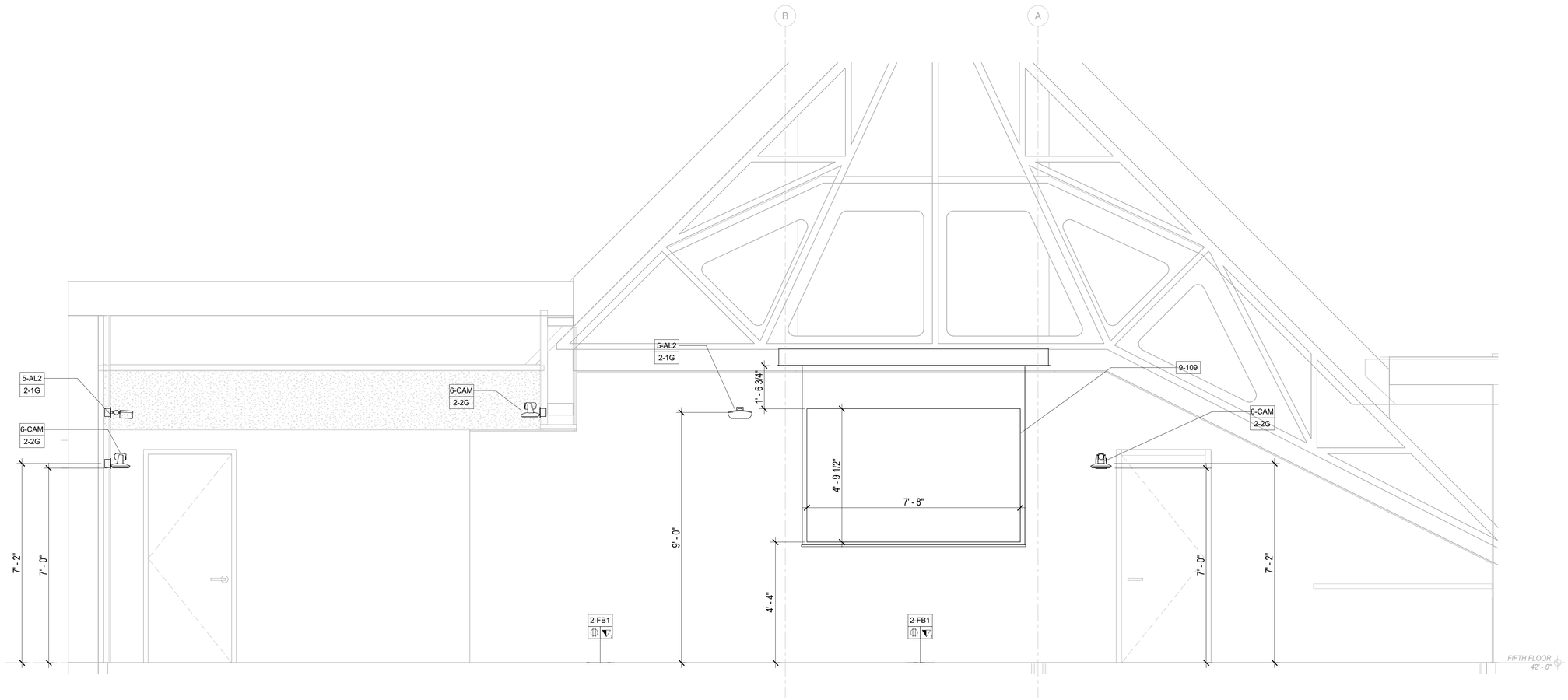
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SECTION - MPR 525 (137" PROJECTION SCREEN)

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

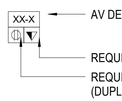
TA-609D



1 AUDIOVISUAL ELEVATION - FIFTH FLOOR - MPR 525 (109" NORTH PROJECTION SCREEN)

SCALE: 1/2" = 1'-0"

TA - EQUIPMENT TAG LEGEND



TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

AUDIOVISUAL DEVICE KEY

TAG	DESCRIPTION
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

OWNER PROJECT NUMBER
Cornell University
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SEAL:

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NO.	DATE	COMMENTS
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5	2025-01-31	100% CD

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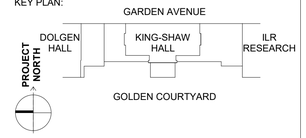
KEY PLAN:



PROJECT:

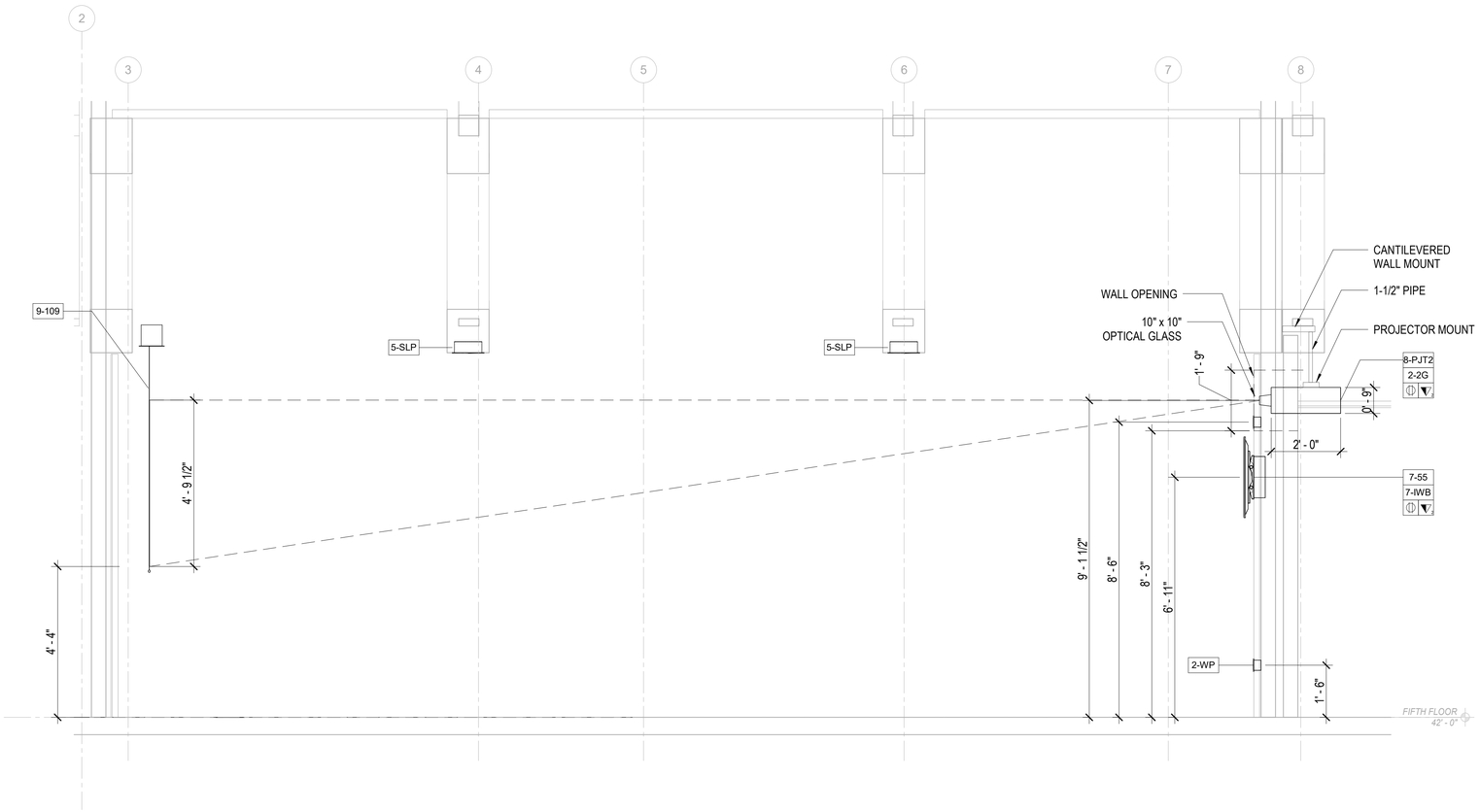
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL ELEVATION - MPR 525 (109" PROJECTION SCREEN)

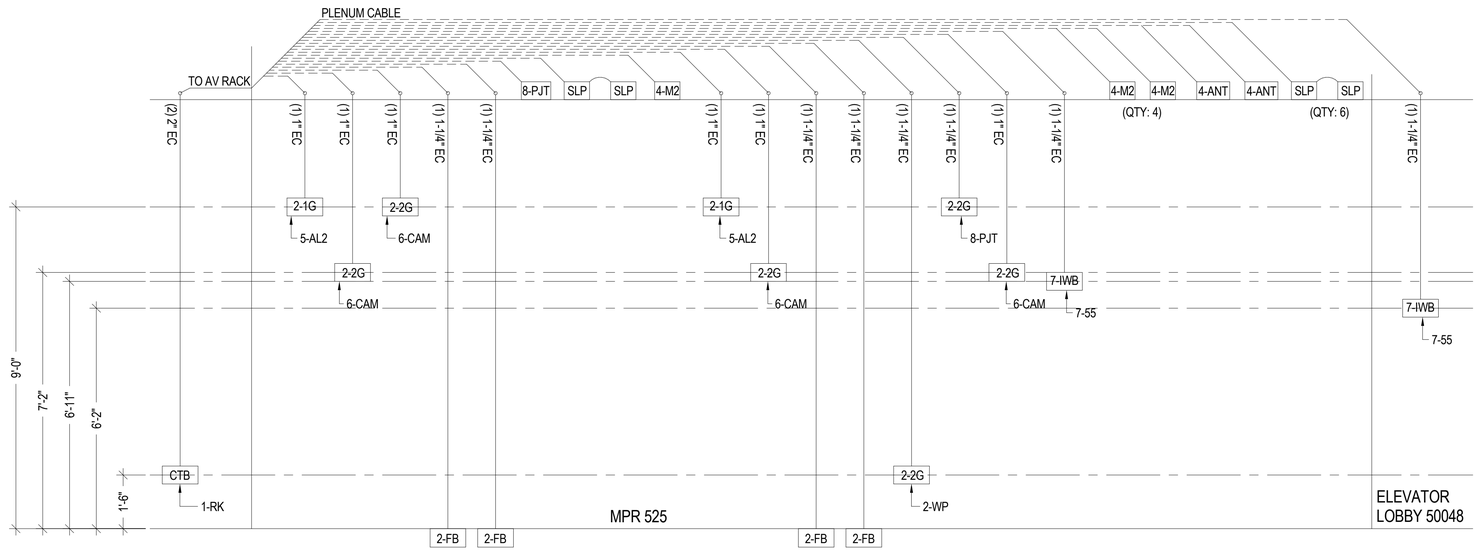
PROJECT NO: 243310.0129	DATE: 01/31/2025
PHASE: 100% CD	SCALE: As indicated

TA-609E



1 AUDIOVISUAL SECTION - FIFTH FLOOR - MPR 523 (109" NORTH PROJECTION SCREEN)

SCALE: 1/2" = 1'-0"



2 AUDIOVISUAL RISER DIAGRAM - MPR 525

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
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5	2025-01-31	100% CD

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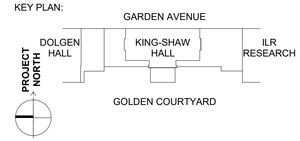
KEY PLAN:



PROJECT:

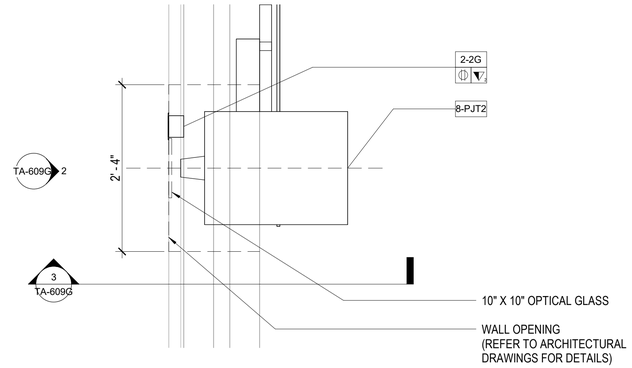
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SECTION - MPR 525 (109" PROJECTION SCREEN)

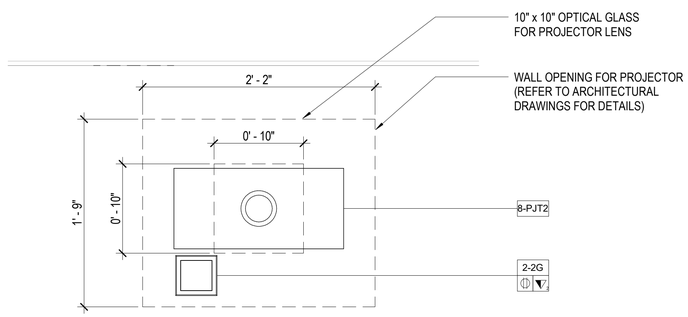
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-609F



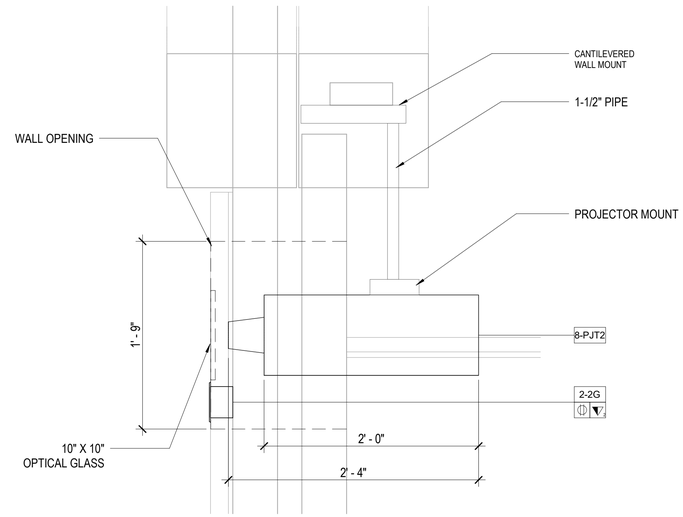
1 AUDIOVISUAL ENLARGED VIEW - IN WALL PROJECTOR MOUNT DETAILS - MPR 525

SCALE: 1" = 1'-0"



2 AV ELEVATION - IN WALL PROJECTOR MOUNT DETAILS - MPR 525

SCALE: 1 1/2" = 1'-0"



3 AV SECTION - IN WALL PROJECTOR MOUNT DETAILS - MPR 523

SCALE: 1 1/2" = 1'-0"

AUDIOVISUAL DEVICE KEY	
TAG	**DESCRIPTION**
1-# EQUIPMENT RACK	
1-RK	AUDIOVISUAL EQUIPMENT RACK
2-# CONNECTIVITY	
2-1G	JUNCTION BOX (1 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-2G	JUNCTION BOX (2 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-3G	JUNCTION BOX (3 GANG); FOR AUDIOVISUAL CONNECTIVITY
2-FB1	TEACHING STATION FLOOR BOX WITH HDMI,USB,POWER,DATA (4" DEEP)
2-FB2	FLOOR BOX FOR AUDIOVISUAL CONNECTIVITY (4" DEEP)
2-TB	TABLE ACCESS HATCH WITH HDMI AND USB
2-WP	WALL PLATE WITH JUNCTION BOX (2 GANG); FOR AV CONNECTIVITY
4-# AUDIO INPUT	
4-ANT	WIRELESS ACCESS POINT TRANSCEIVER
4-M	MICROPHONE; CEILING RECESSED SHURE MX910
4-M2	MICROPHONE; CEILING SURFACE MOUNTED, BIAMP TCM-X
4-M3	MICROPHONE; TABLETOP
5-# AUDIO OUTPUT	
5-AL1	ASSISTIVE LISTENING EMITTER; CEILING MOUNTED
5-AL2	ASSISTIVE LISTENING EMITTER; WALL MOUNTED
5-CS	LOUDSPEAKER; CEILING RECESSED
5-SLP	LOUDSPEAKER (LOW PROFILE); CEILING RECESSED, QSC AC-C4T-LP
6-# VIDEO ORIGIN/SOURCE	
6-CAM	WALL MOUNT PTZ CAMERA
6-VB1	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR HUDDLE
6-VB2	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR
6-VB3	ALL-IN-ONE VIDEO BAR, LOGITECH RALLY BAR MINI
7-# VIDEO DISPLAY (TYPE 1)	
7-43	43" FLAT PANEL DISPLAY; WALL MOUNTED
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7-65	65" FLAT PANEL DISPLAY; WALL MOUNTED
7-75	75" FLAT PANEL DISPLAY; WALL MOUNTED
7-86	86" FLAT PANEL DISPLAY; WALL MOUNTED
7-IWB	IN-WALL BOX; FOR FLAT PANEL DISPLAY CONNECTIVITY
8-# VIDEO DISPLAY (TYPE 2)	
8-PJT1	VIDEO PROJECTOR - CEILING MOUNTED, PANASONIC PT-REZ10KU
8-PJT2	VIDEO PROJECTOR - WALL MUNTED, PANASONIC PT-REZ10KU
9-# VIDEO DISPLAY (TYPE 3)	
9-109	PROJECTION SCREEN
9-123	PROJECTION SCREEN
9-137	PROJECTION SCREEN

TA - EQUIPMENT TAG LEGEND

TA - ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
M	MOTORIZED PROJECTION SCREEN, PROJECTOR LIFT OR SHADE WITH LOW-VOLTAGE INTERFACE; SUPPLIED WITH EQUIPMENT. MOUNT ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. MAINTENANCE ACCESS TO BOX SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS. PROVIDE UTILITY GRADE 120VAC UNLESS OTHERWISE INDICATED.
	5-20R POWER RECEPTACLE, DUPLEX 120VAC, 20AMP. • L INDICATES LOCKING RECEPTACLE • U INDICATES UPS POWER REQUIREMENT
	5-20R POWER RECEPTACLE, QUADPLEX 120VAC, 20AMP.
	TELECOM VOICE/DATA OUTLET BOX. REFER TO TELECOM DRAWINGS FOR INSTALLATION DETAILS.

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. DISPLAYS ARE TO BE MOUNTED CENTERED ON THE CENTERLINE OF THE TABLE WHICH MAY NOT BE THE CENTERLINE OF THE MOUNTING WALL.
3. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
4. WHERE THE DISPLAYS ARE MOUNTED BACK-TO-BACK ON A COMMON PARTITION, THE DISPLAY IN-WALL BOXES ARE TO BE OFFSET AROUND A CENTER STUD.
5. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
6. WHEN RECESSED, PROVIDE A 2" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.
7. ALL TOUCH PANEL BACKBOXES MOUNTED ON THE SAME WALL AS DISPLAYS ARE TO BE HELD 12" CLEAR BETWEEN THE EDGE OF THE DISPLAY AND THE CENTERLINE OF THE TOUCH PANEL BACKBOX.
8. ROOM SCHEDULING DISPLAY CABLING PENETRATIONS IN THE FLOOR/CEILING ARE TO BE COORDINATED WITH EITHER SOLID PARTITION CENTERLINES OR, WHEN MOUNTED ON GLASS, WITH THE CENTERLINE OF THE DOOR EXTRUSION TO ALLOW A NETWORK PATCH CABLE TO BE RUN WITHIN THE EXTRUSION.
9. ALL CONTROL AND SCHEDULING DEVICE HEIGHTS TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND MUST ALLOW THE TOP OF THE DEVICE TO BE UNDER 48" PER ADA.
10. ALL CEILING SPEAKERS AND CEILING MICROPHONES ARE TO BE MOUNTED SYMMETRICAL TO CENTERLINE OF TABLE WHICH MAY NOT BE CENTERLINE OF CEILING GRID.
11. TABLE HATCHES ARE SHOWN TO INDICATE NUMBER OF LOCATIONS IN TABLE WHICH REQUIRE AV ACCOMMODATIONS. TABLE HATCH LOCATIONS AND PLATE REQUIREMENTS TO BE COORDINATED WITH THE FURNITURE PACKAGE.
12. FLOOR BOXES SERVING TABLES ARE TO BE ALIGNED TO THE INTERIOR SIDE OF A TABLE LEG ACCOMMODATINGVERTICAL POWER AND SIGNAL CABLE ROUTING.

OWNER PROJECT NUMBER
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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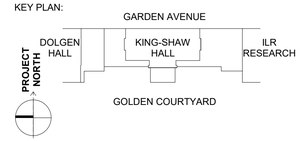
KEY PLAN:



PROJECT:

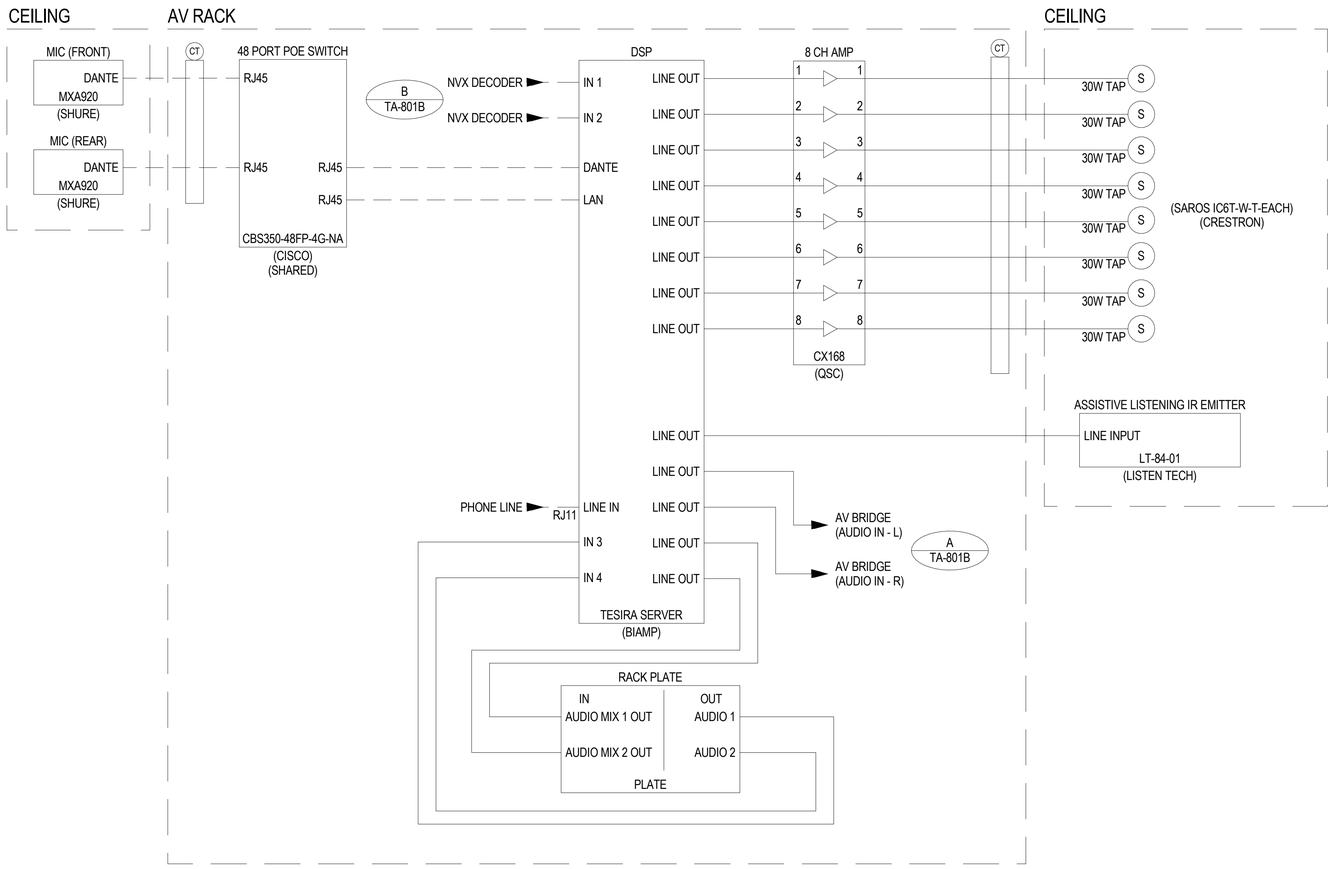
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL DETAILS - IN WALL PROJECTOR MOUNT - MPR 525

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: As indicated**

TA-609G



1 **AV SYSTEM FLOW DIAGRAM TYPE 1A - AUDIO - MEETING ROOM 221**

OWNER PROJECT NUMBER
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
5	2025-01-31	100% CD

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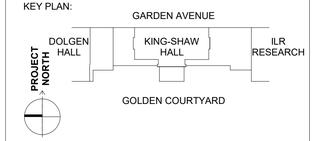
KEY PLAN:



PROJECT:

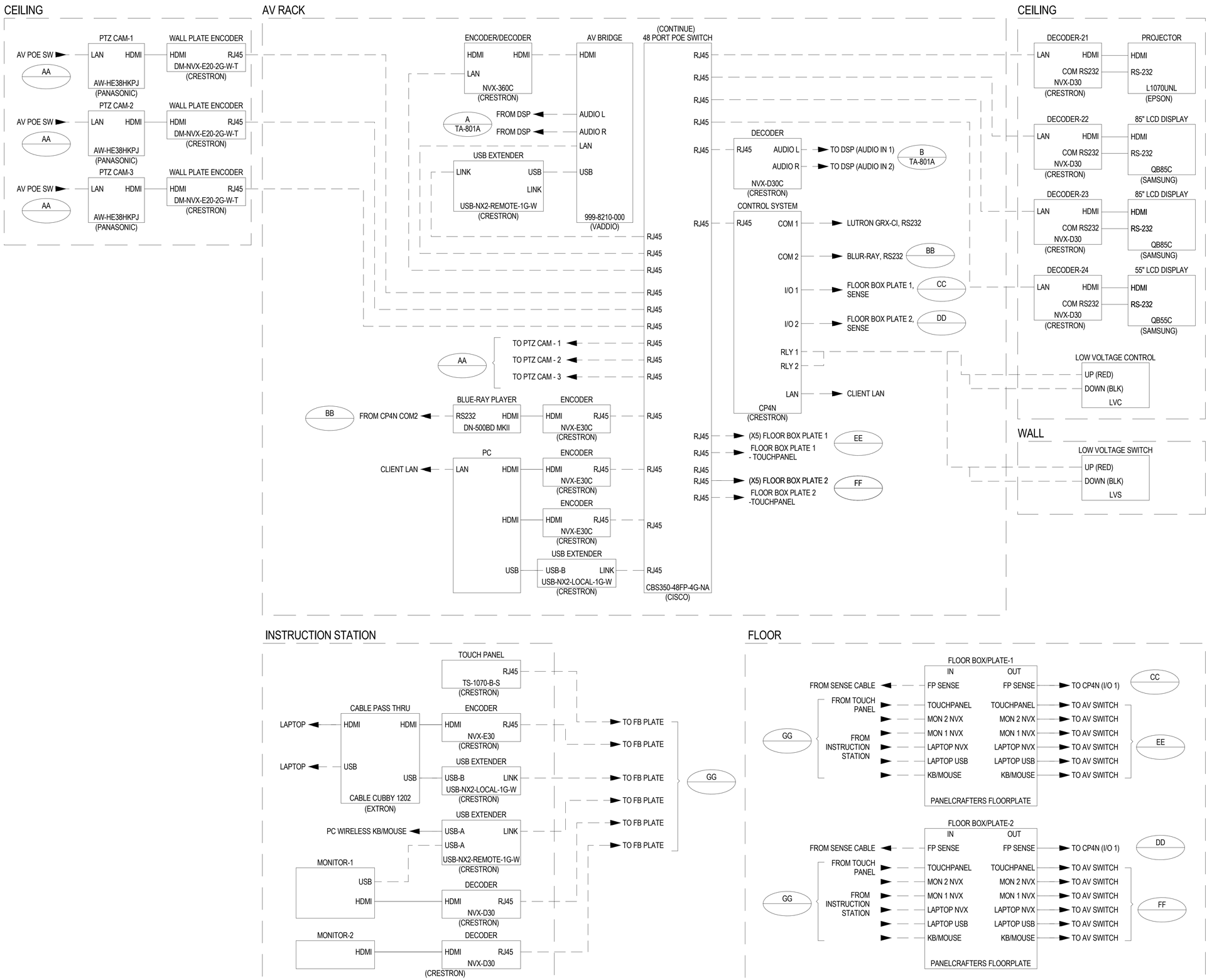
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

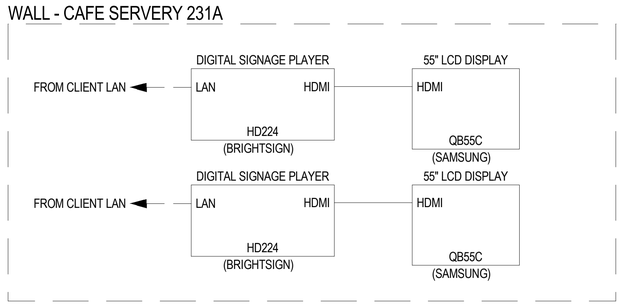
DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 1A - AUDIO - MEETING ROOM 221

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-801A


CEILING
AV RACK
CEILING
PTZ CAM-1
WALL PLATE ENCODER
AV POE SW
LAN
HDMI
HDMI
RJ45
AA
AW-HE38HKPJ
(PANASONIC)
DM-NVX-E20-2G-W-T
(CRESTRON)
PTZ CAM-2
WALL PLATE ENCODER
AV POE SW
AA
AW-HE38HKPJ
(PANASONIC)
DM-NVX-E20-2G-W-T
(CRESTRON)
PTZ CAM-3
WALL PLATE ENCODER
AV POE SW
AA
AW-HE38HKPJ
(PANASONIC)
DM-NVX-E20-2G-W-T
(CRESTRON)
ENCODER/DECODER
AV BRIDGE
HDMI
HDMI
LAN
NVX-360C
(CRESTRON)
HDMI
A
TA-801A
FROM DSP
FROM DSP
AUDIO L
AUDIO R
LAN
USB EXTENDER
LINK
USB
USB
LINK
USB-NX2-REMOTE-1G-W
(CRESTRON)
USB
999-8210-000
(VADDIO)
(CONTINUE)
48 PORT POE SWITCH
RJ45
RJ45
RJ45
RJ45
DECODER
RJ45
AUDIO L
AUDIO R
TO DSP (AUDIO IN 1)
TO DSP (AUDIO IN 2)
B
TA-801A
NVX-D30C
(CRESTRON)
CONTROL SYSTEM
RJ45
RJ45
COM 1
COM 2
I/O 1
I/O 2
RLY 1
RLY 2
LAN
LUTRON GRX-CI, RS232
BLUR-RAY, RS232
BB
FLOOR BOX PLATE 1,
SENSE
CC
FLOOR BOX PLATE 2,
SENSE
DD
CLIENT LAN
CP4N
(CRESTRON)
RJ45
RJ45
RJ45
RJ45



1 AUDIOVISUAL SYSTEM FLOW DIAGRAM TYPE 2 - CAFE AREA 231

OWNER PROJECT NUMBER
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
5	2025-01-31	100% CD

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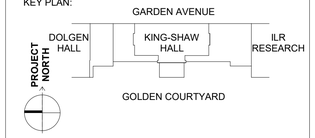
KEY PLAN:



PROJECT:

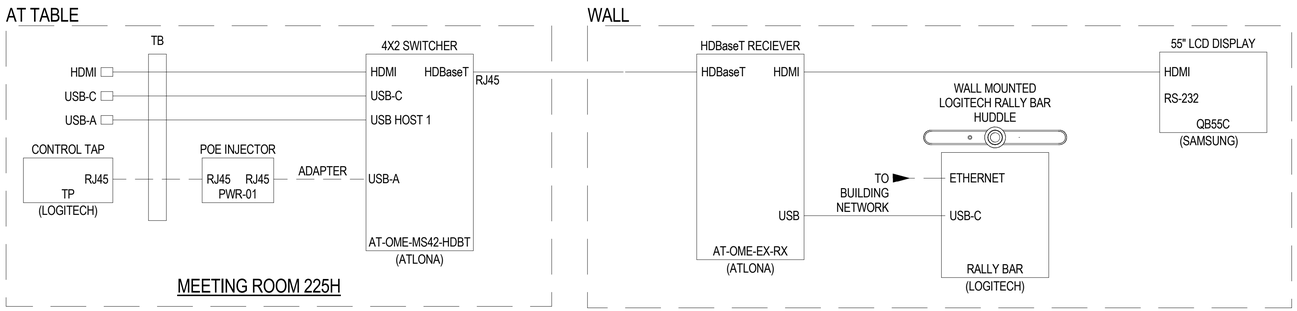
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 2 - CAFE AREAS 231

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-802



1 **AUDIOVISUAL SYSTEM FLOW DIAGRAM - TYPE 3 - SMALL MTG RM 204 & TOUCHDOWN 304A & 402**

OWNER PROJECT NUMBER
Cornell University
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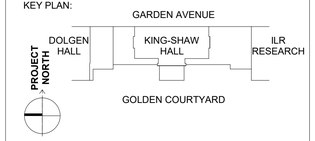
KEY PLAN:



PROJECT:

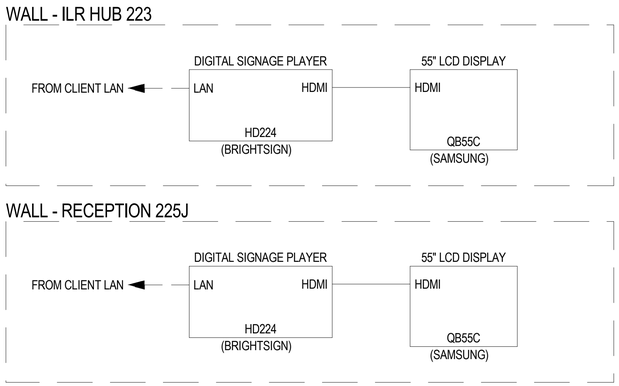
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 3-SM MTG RM 225H, TOUCHDOWN 323A,423A

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-803



1 AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 4 - ILR HUB 223 AND RECEPTION 225J

OWNER PROJECT NUMBER
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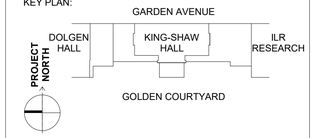
KEY PLAN:



PROJECT:

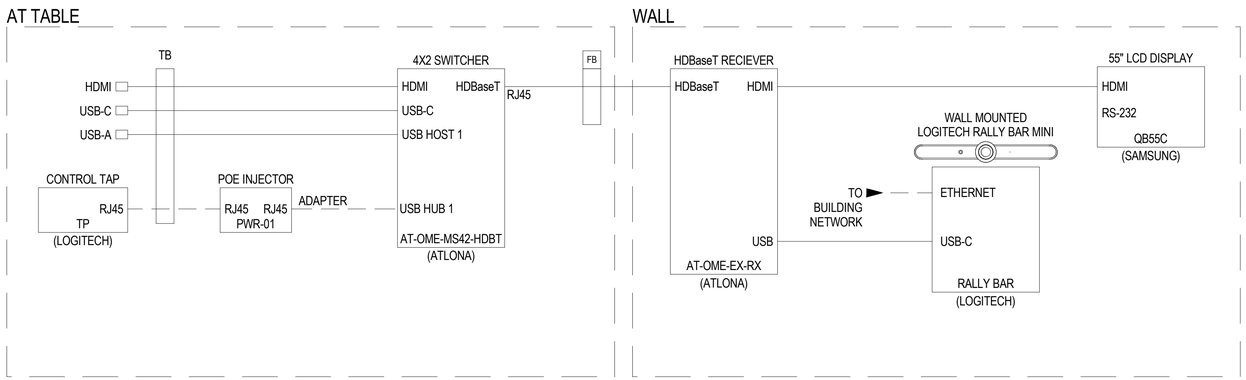
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 4 - ILR HUB 223 AND RECEPTION 225J

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-804



1 **AUDIOVISUAL SYSTEM FLOW DIAGRAM TYPE 5 - DIR OFFICE 321A AND SMALL CONF RM 325B**

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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LIGHTING DESIGN:
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ISSUE/REVISION:

NO.	DATE	COMMENTS
5	2025-01-31	100% CD

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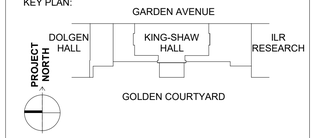
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

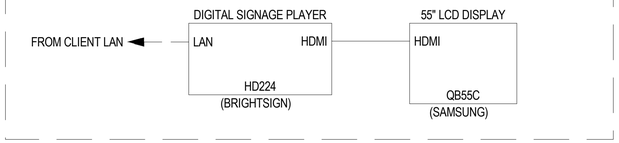
DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 5 - DIR OFFICE 321A & SMALL CONF RM 325B

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-805

WALL - 3RD FLOOR CORRIDOR



1 AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 6 - 3RD FLOOR CORRIDOR

OWNER PROJECT NUMBER
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5	2025-01-31	100% CD

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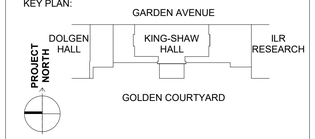
KEY PLAN:



PROJECT:

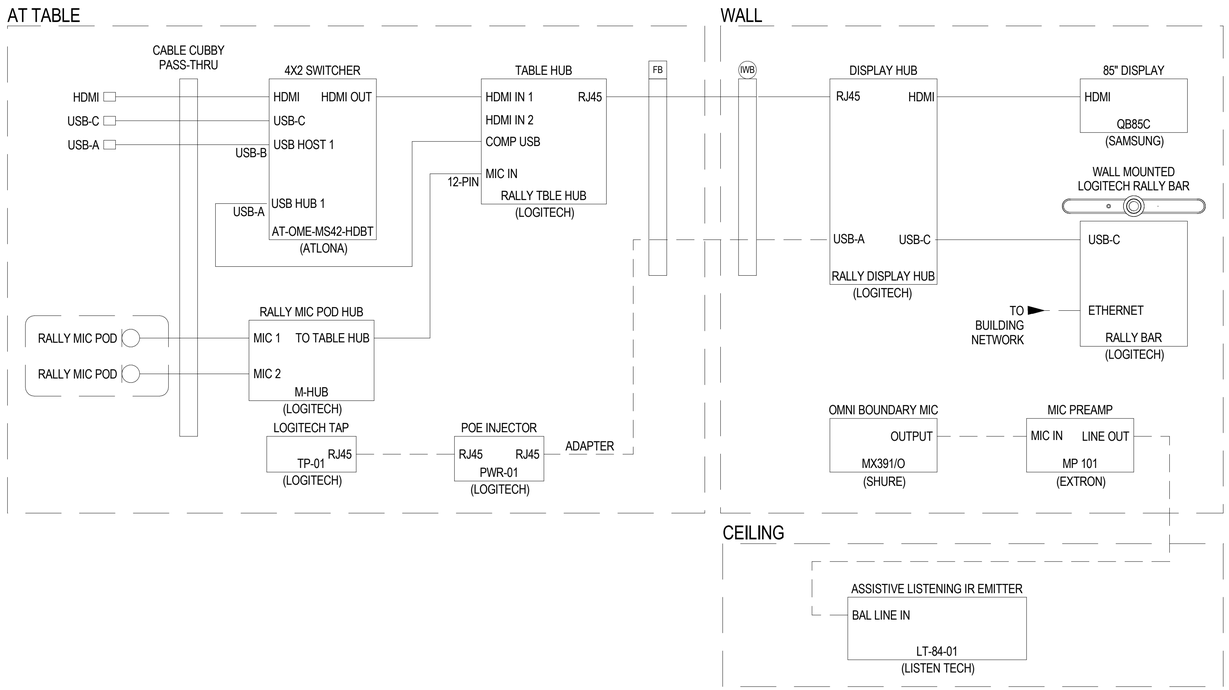
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 6 - 3RD FLOOR CORRIDOR

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-806



1 AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 7 - LARGE CONFERENCE ROOM 425

OWNER PROJECT NUMBER
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
5	2025-01-31	100% CD

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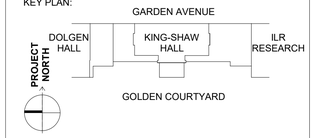
KEY PLAN:



PROJECT:

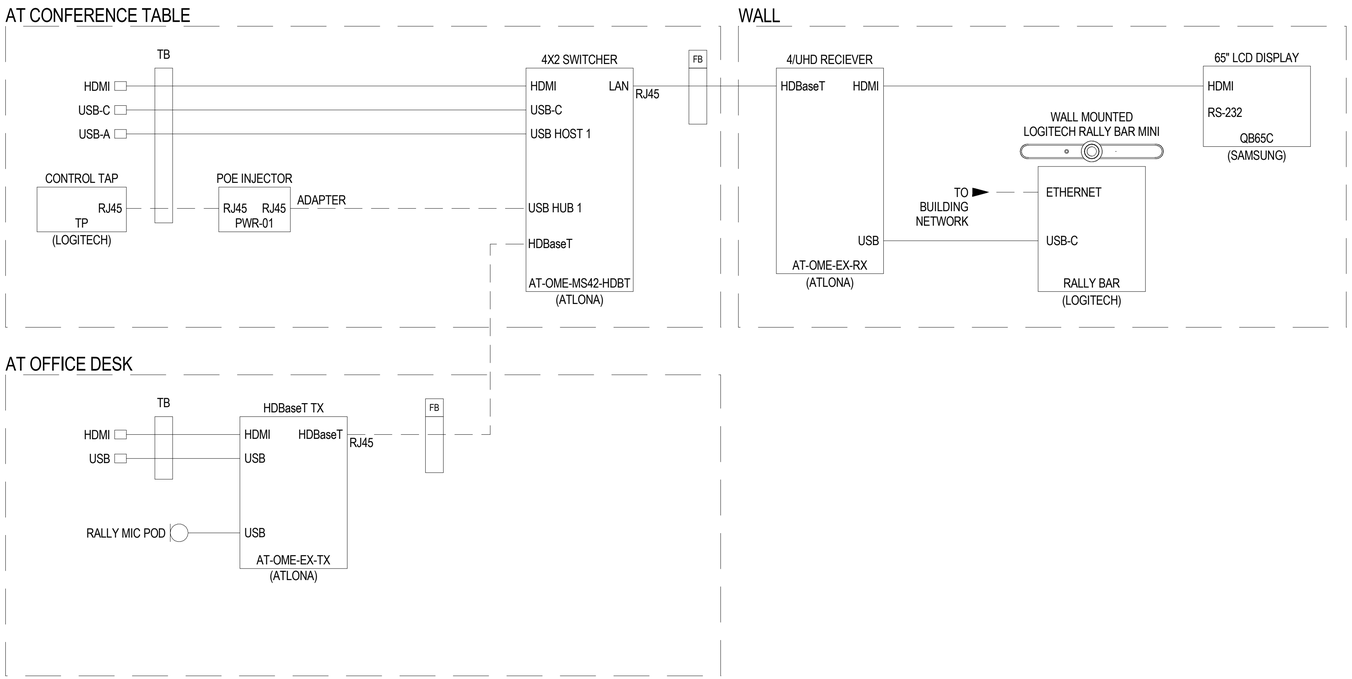
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

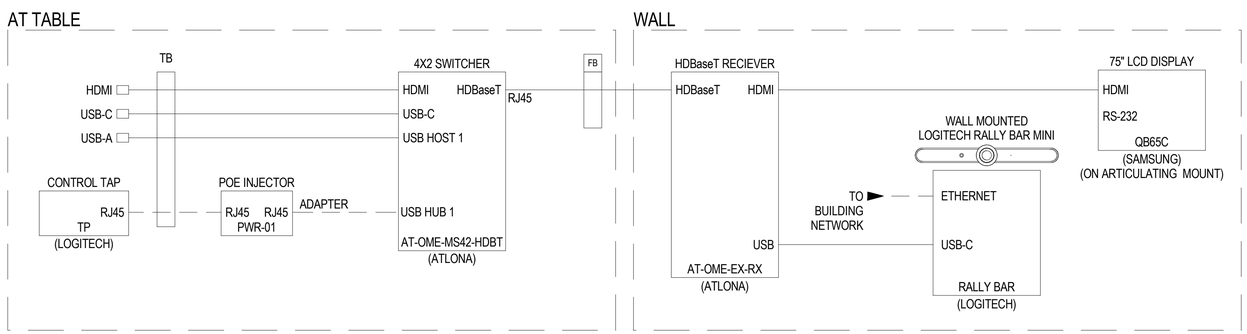
AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 7 - LARGE CONFERENCE ROOM 425

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-807



1 **AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 8A - DEAN OFFICE 421A**



2 **AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 8B - MED CONF ROOM 421B**

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
5	2025-01-31	100% CD

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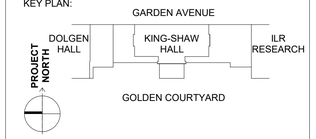
KEY PLAN:



PROJECT:

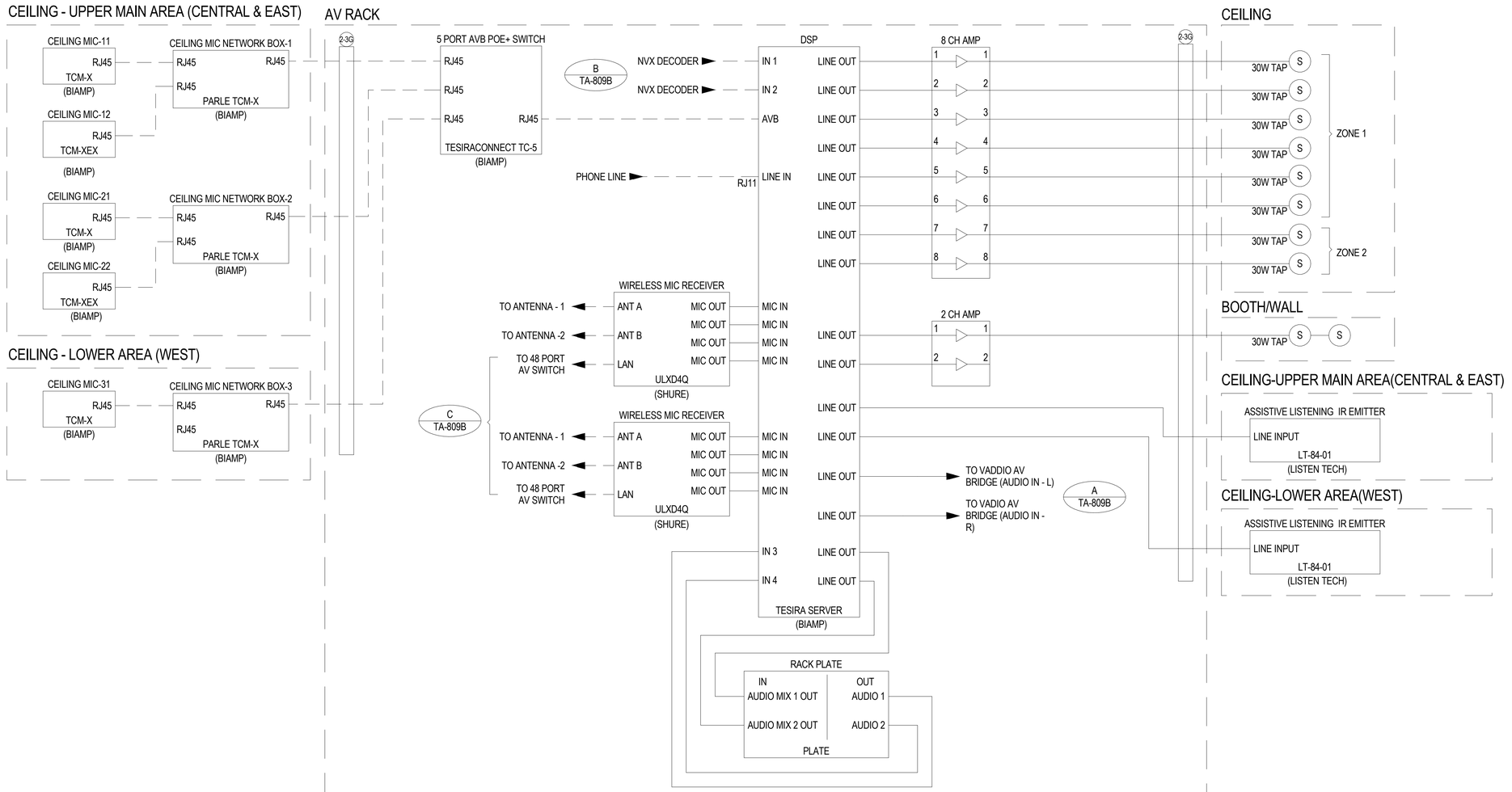
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 8 - DEAN OFFICE 421A & MED CONF RM 421B

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-808



1 **AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9A - AUDIO - MPR 525**

OWNER PROJECT NUMBER
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ARCHITECT:
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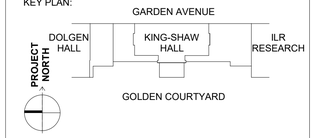


PROJECT:

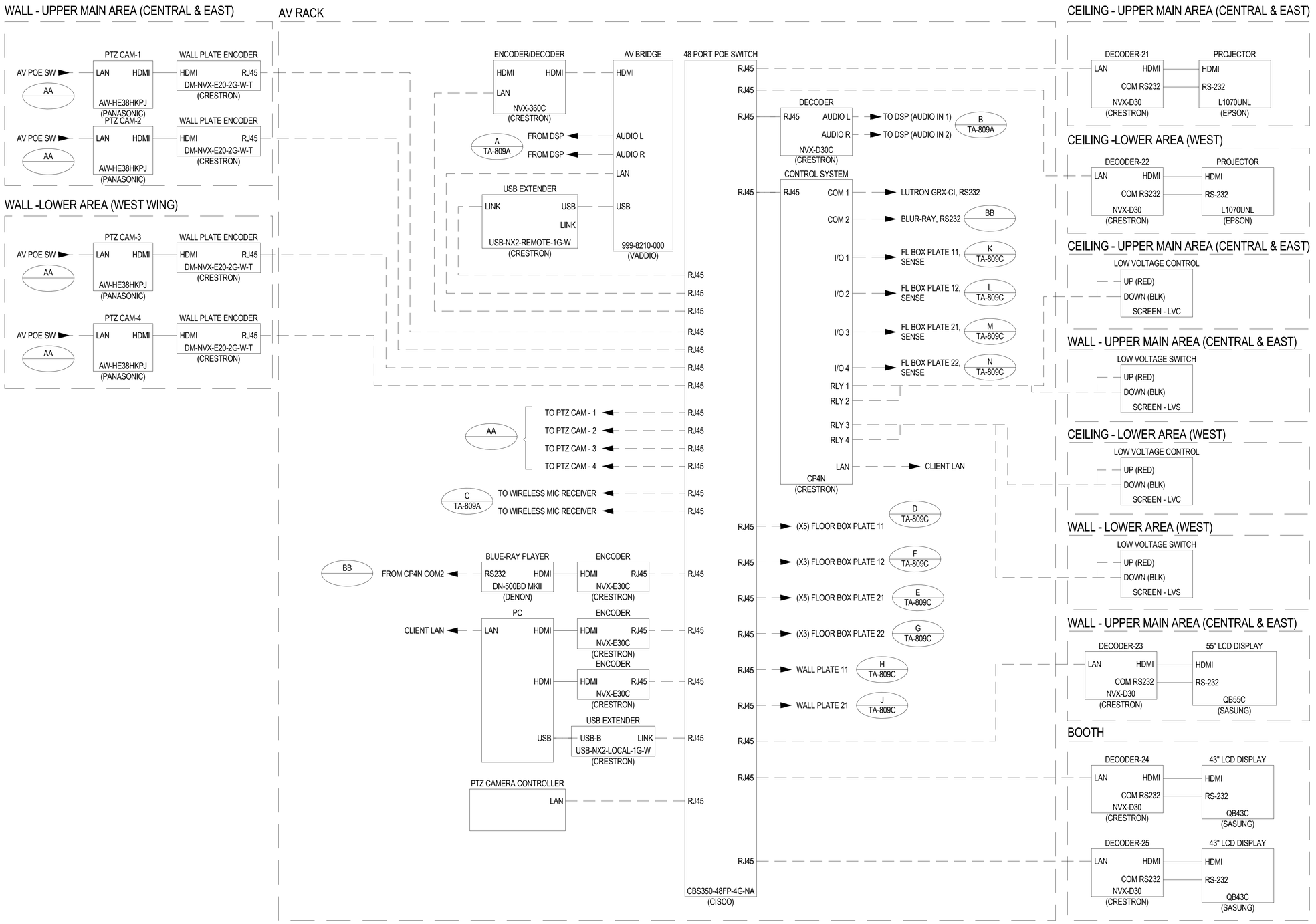
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9A - AUDIO - MPR 525

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-809A



1 **AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9B - VIDEO - MPR 525**

OWNER PROJECT NUMBER
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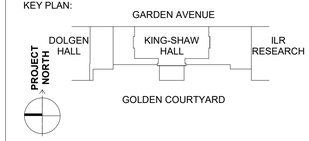


PROJECT:

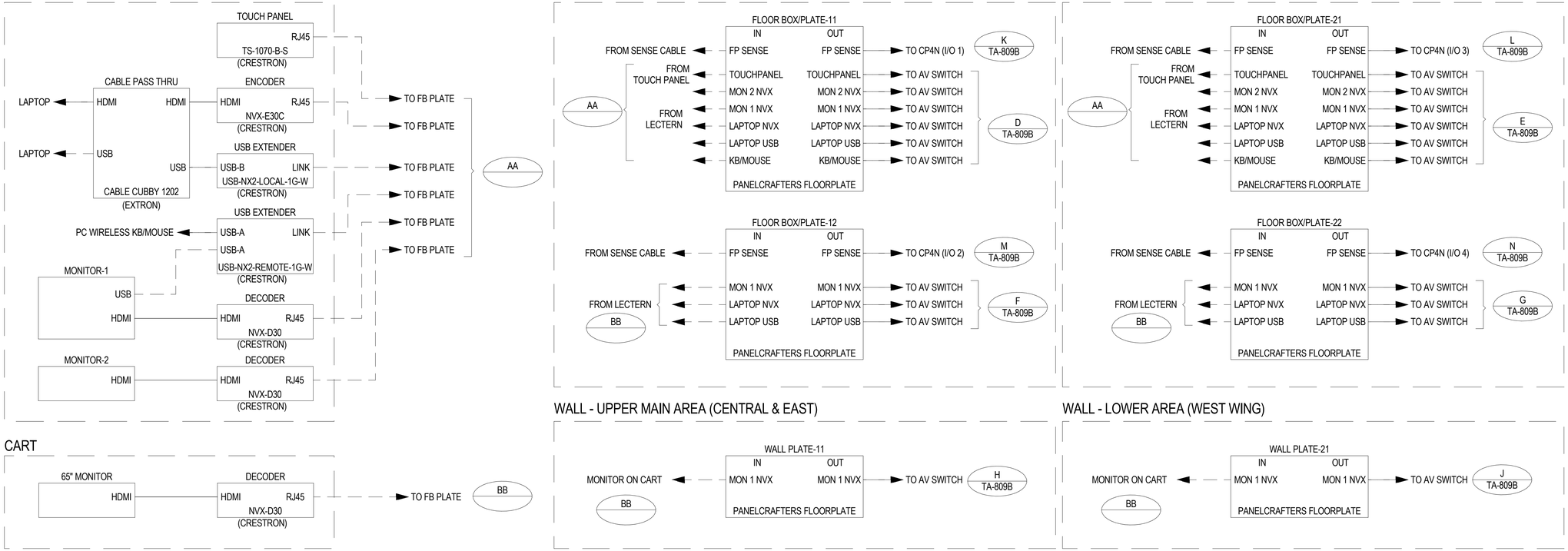
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9B - VIDEO - MPR 525

PROJECT NO: 243310.0129	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 12" = 1'-0"

TA-809B



1 **AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9C - LECTERN - MPR 525**

OWNER PROJECT NUMBER
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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
5	2025-01-31	100% CD

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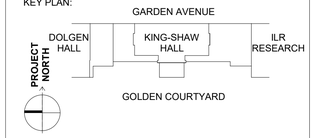

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

AUDIOVISUAL SYSTEM FLOW DIAGRAMS TYPE 9C - LECTERN - MPR 525

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TA-809C

TELECOMMUNICATIONS DRAWING LIST

NUMBER	SHEET TITLE	PROGRESS SET - 2024-08-27	PRICING SET - 2024-09-04	DESIGN DEVELOPMENT - 2024-09-27	90% CD - 2024-12-18	100% CD - 2025-01-31
TELECOMMUNICATIONS						
TN-000	TELECOMMUNICATIONS COVER SHEET	X	X	X	X	X
TN-001	TELECOMMUNICATIONS SYMBOLS SHEET			X	X	X
TN-201	TELECOMMUNICATIONS PLAN - SECOND FLOOR	X	X	X	X	X
TN-202	TELECOMMUNICATIONS PLAN - THIRD & FOURTH FLOOR	X	X	X	X	X
TN-203	TELECOMMUNICATIONS PLAN - FIFTH FLOOR	X	X	X	X	X
TN-601	TELECOMMUNICATIONS ENLARGED PLANS		X	X	X	X
TN-701	TELECOMMUNICATIONS EQUIPMENT DETAILS			X	X	X
TN-801	TELECOMMUNICATIONS RISER DIAGRAMS		X	X	X	X

ABBREVIATIONS

AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
APPROX	APPROXIMATE
AV	AUDIOVISUAL
BDF	BUILDING DISTRIBUTION FRAME
BET	BUILDING ENTRANCE TERMINAL
C	CONDUIT(S)
CAT3	TIA CATEGORY 3 RATED
CAT5	TIA CATEGORY 5 RATED
CAT5E	TIA CATEGORY 5e RATED
CAT6	TIA CATEGORY 6 RATED
CAT6A	TIA AUGMENTED CATEGORY 6 RATED
CLG	CEILING
CM	CONSTRUCTION MANAGER
CP	CONSOLIDATION POINT
D	DEEP
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL
EQPT	EQUIPMENT
ER	EQUIPMENT ROOM
F&I	FURNISH AND INSTALL
FO	FIBER OPTIC
FT	FOOT/FEET
F/UTP	FOILED UNSHIELDED TWISTED PAIR
GC	GENERAL CONTRACTOR
GND	GROUND
H	HIGH
IDF	INTERMEDIATE DISTRIBUTION FRAME
LAN	LOCAL AREA NETWORK
LOMMF	LASER OPTIMIZED MULTIMODE FIBER OPTIC
MC	MAIN CROSS CONNECT
MCS	MULTIMEDIA COMMUNICATION SYSTEM
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MH	MANHOLE
MM	MULTIMODE
MMFO	MULTIMODE FIBER OPTIC
MPO	MULTIPLE FIBER PUSH-ON
MTD	MOUNTED
NE	NORTH EAST
NIC	NOT IN CONTRACT
NW	NORTH WEST
NTS	NOT TO SCALE
O.C	ON CENTER
OFE	OWNER FURNISHED EQUIPMENT
OSP	OUTSIDE PLANT
PB	PULLBOX
PBX	PRIVATE BRANCH EXCHANGE
POE	POINT OF ENTRY
PR	PAIR
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
RU	RACK UNIT
RW	RACEWAY
SE	SOUTH EAST
SW	SOUTH WEST
SMF	SINGLEMODE FIBER OPTIC
STP	SHIELDED TWISTED PAIR
STR	STRAND
TEMP	TEMPORARY
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM / TECHNOLOGY ROOM
TSER	TELECOMMUNICATIONS SERVICE ENTRANCE ROOM
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VOIP	VOICE OVER INTERNET PROTOCOL
W/	WITH
W/O	WITHOUT
WAN	WIDE AREA NETWORK
WAP	WIRELESS ACCESS POINT
WP	WATERPROOF
WS	WORKSTATION
W	WIDE
WW	WIREWAY

GENERAL NOTES

1. REFER TO ELECTRICAL SPECIFICATIONS FOR INSTALLATION INSTRUCTIONS OF FLOORBOXES, JUNCTION BOXES, PLYWOOD, GROUNDING CONDUCTORS, BUSBARS, CONDUITS, METALLIC ENCLOSURES, ELECTRICAL PANELBOARDS AND CIRCUITING.
2. INSTALL FIRESTOP TO ALL SLAB AND WALL PENETRATIONS PROVIDED FOR THE INSTALLATION OF TELECOMMUNICATIONS CABLE AS REQUIRED TO MAINTAIN FIRE RATING OF SLAB OR WALL. REVIEW ARCHITECT'S PLANS FOR PARTITION TYPES.
3. REFER TO ARCHITECTURAL DRAWING FOR UL RATED PENETRATION ASSEMBLIES.
4. SUB CONTRACTOR TO COORDINATE ALL STRUCTURAL FLOOR AND WALL PENETRATIONS WITH GC PRIOR TO CONSTRUCTION.

CABLING NOTES

1. PROVIDE TYPED IDENTIFICATION LABELS FOR ALL TELECOMMUNICATIONS CABLES AT BOTH ENDS.
2. PROVIDE TYPED DESIGNATION LABELS FOR ALL RACKS AND CABINETS, TERMINATION BLOCKS, PATCH PANELS, AND WORKSTATION OUTLET FACEPLATES.
3. CABLE CONTRACTOR TO REVIEW PROPOSED OUTLET LOCATIONS ON DRAWINGS IN FIELD AND IMMEDIATELY REPORT ANY PERCEIVED ISSUES WITH CABLE DISTANCE EXCEEDING 90M BASED ON PLANNED ROUTING TO THE GC, BEFORE INTALLATION OF CABLING.
4. ALL CABLING SHALL BE INSTALLED USING STREETS AND AVENUES ROUTING, NO DIAGONAL RUNS ARE ACCEPTABLE.
5. COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATION OF ALL TELECOMMUNICATIONS OUTLETS.
6. IF CONFLICTS ARE FOUND BETWEEN THE TELECOMMUNICATIONS DRAWINGS AND ANY OTHER DRAWINGS ASSOCIATED WITH THE PROJECT, NOTIFY THE GC AT ONCE.
7. INSTALL EACH CABLE SET INDICATED BY THE SYMBOLS LIST FROM THE OUTLET LOCATION BACK TO THE RESPECTIVE SERVING TELECOMMUNICATIONS ROOM (TR).
8. FOLLOW MANUFACTURER'S GUIDELINES FOR BEND RADIUS AND PULLING TENSIONS FOR ALL TELECOMMUNICATIONS CABLE.
9. CABLES RUNNING THROUGH EXPOSED CEILING CONDITIONS MUST BE NEATLY BUNDLED TO ENSURE CONSISTENT APPEARANCE WITHIN ALL OPEN/EXPOSED CEILING CONDITIONS.

PATHWAY NOTES

1. COORDINATE INSTALLATION OF CONDUITS AND CABLE TRAYS WITH OTHER COMPONENTS INSTALLED WITHIN THE CEILING. PREPARE SHOP DRAWINGS TO DEMONSTRATE AND ENSURE PROPER INSTALLATION OF ALL COMPONENTS.
2. MAINTAIN MINIMUM BEND RADIUS OF 10X O.D. FOR CONDUITS GREATER THAN 2" DIAMETER. MAINTAIN MINIMUM BEND RADIUS OF 6X O.D. FOR CONDUITS EQUAL TO OR LESS THAN 2" DIAMETER.
3. PROVIDE PULL BOXES (SIZE AS NOTED) AFTER EVERY 100' OF CONDUIT RUN OR AFTER EVERY 180-DEGREES OF BEND OR AFTER EVERY 50' OF VERTICAL RUN.
4. DO NOT INSTALL PULL BOXES IN LIEU OF A BEND.
5. REAM AND BUSH THE ENDS OF ALL CONDUITS.
6. PROVIDE AND LEAVE IN PLACE A PULL STRING IN EACH EMPTY CONDUIT.
7. STUB UP CONDUIT SLEEVES THROUGH SLABS 3" ABOVE FINISHED FLOORS.
8. PROVIDE HANGERS, ANCHORS, MOUNTING HARDWARE, GROUND LUGS AND STRAPS AS REQUIRED TO ENSURE PROPER INSTALLATION OF PATHWAY COMPONENTS. INSTALL ALL COMPONENTS AS PER MANUFACTURERS RECOMMENDATIONS AND PER ALL APPLICABLE CODES.
9. INSTALL CONDUIT AND LADDER RACK FOR TELECOMMUNICATIONS WIRING TO MAINTAIN A MINIMUM OF 5" SEPARATION FROM LIGHT FIXTURES.
10. GROUND ALL CONDUITS AND LADDER RACK AS PER MANUFACTURERS' RECOMMENDATIONS AND PER ALL APPLICABLE CODES.
11. PROVIDE AT ALL LADDER RACK AND CABLE TRAY LOCATIONS: RUNWAY DROP OUTS, SPLICE HARDWARE, GROUND STRAPS, THERMAL EXPANSION PLATES, TERMINATION KITS, END SUPPORT KITS AND CEILING SUPPORT HARDWARE.
12. FOR ALL WIRE MESH BASKET TYPE CABLE TRAY, PROVIDE CONNECTION HARDWARE, GROUND STRAPS, THERMAL EXPANSION PLATES, SUPPORT BRACKETS AND CEILING SUPPORT HARDWARE.
13. REFER TO DISTRIBUTION PLANS FOR REQUIREMENTS FOR JUNCTION BOX AND CONDUITS TO SUPPORT WORKSTATION OUTLETS.
14. WHERE CABLE IS RUN ABOVE NON-ACCESSIBLE (I.E. GYPSUM BOARD) CEILING CONSTRUCTION, CONDUIT AND PULLBOXES MUST BE INSTALLED TO PROPERLY ROUTE CABLE ACROSS THE ENTIRE SPAN OF INACCESIBLE CEILING. PULLBOXES MUST BE LOCATED SO THAT THEY ARE ACCESSIBLE. PROVIDE ACCESS PANELS IN CEILINGS AS REQUIRED.
15. PROVIDE J-HOOKS AND CABLE STRAPS TO SUPPORT CABLE ABOVE ACCESSIBLE CEILINGS CONSTRUCTION, EXCEPT IN AREAS WHERE CABLE TRAY OR CONDUIT IS INDICATED.
16. J-HOOKS AND CABLE STRAPS SHALL SUPPORT CABLE AT NOT GREATER THAN 5-FOOT INTERVALS; LOCATIONS MUST BE CAREFULLY PLANNED TO ENSURE CONSISTENT APPEARANCE WITHIN ALL OPEN/EXPOSED CEILING CONDITIONS.
17. COORDINATE WALL BOX LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL AND ELECTRICAL PLANS.

LABELING NOTES

1. CABLE ADMINISTRATION:
   - A. PROPERLY TAG ALL RACKS AND CABINETS, CABLES, RECEPTACLES, CONNECTION BLOCKS AND PATCH PANELS
   - B. PRIOR TO SYSTEM ACCEPTANCE, THE CONTRACTOR SHALL SUBMIT AN AS-BUILT LABEL REPORT PROVIDING THE ROOM NUMBERS AND CABLE LENGTHS FOR EACH OF THE INSTALLED CABLES.
2. LABEL REQUIREMENTS:
   - A. PROVIDE WHITE LABEL WITH TYPEWRITTEN LEGIBLE CHARACTERS. PRINTED WITH NON-SMEAR TYPE INK. HANDWRITTEN LABELS ARE NOT PERMITTED.
   - B. PROVIDE LABELS WITH A INDUSTRIAL GRADE SELF ADHESIVE BACKING.
   - C. PROVIDE LABELS FOR CABLES WITH PROTECTIVE WRAP-AROUND PLASTIC TRANSPARENT COVER WHICH WILL SERVE TO PROTECT THE INK FROM SMEARING AND SECURE THE LABEL TO THE CABLE.
   - D. PROVIDE LABELS FOR CABLES WIDE ENOUGH FOR 23 CHARACTERS IN A SINGLE ROW.
   - E. PROVIDE BLACK PHENOLIC TYPE LABEL WITH WHITE FONT FOR RACK.CABINET LABELING
   - F. RISER AND TIE CABLES JACKETS SHALL BE LABELED WITHIN EACH TELECOM ROOM AND AT 40FT INTERVALS OUTSIDE TELECOM ROOMS ABOVE CEILINGS.

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SEAL:

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NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
2	2024-09-04	PRICING SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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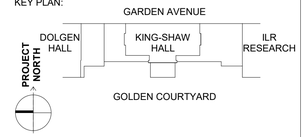
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

TELECOMMUNICATIONS COVER SHEET

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TN-000

TN - SYMBOLS LEGEND

TN - ELECTRICAL COORDINATION

SYMBOL	DESCRIPTION	DESCRIPTION
	FLOOR MOUNTED	
#TV	FLOOR MOUNTED TELECOMMUNICATIONS OUTLET (FLOOR BOX); (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. PROVIDE COMPATIBLE FACEPLATE AS SPECIFIED AND APPROVED FOR COLOR BY ARCHITECT; COORDINATE WITH ELECTRICAL CONTRACTOR.	PROVIDE CONDUIT THROUGH FLOOR, UP THROUGH NEAREST WALL PARTITION TO THE NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
#TV	FLOOR MOUNTED TELECOMMUNICATIONS OUTLET (POKE THRU); (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. PROVIDE COMPATIBLE FACEPLATE AS SPECIFIED AND APPROVED FOR COLOR BY ARCHITECT; COORDINATE WITH ELECTRICAL CONTRACTOR.	PROVIDE CONDUIT THROUGH FLOOR, UP THROUGH NEAREST WALL PARTITION TO THE NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
AV TV	FLOOR MOUNTED TELECOMMUNICATIONS OUTLET (FLOOR BOX) FOR AUDIOVISUAL; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. PROVIDE COMPATIBLE FACEPLATE AS SPECIFIED AND APPROVED FOR COLOR BY ARCHITECT; COORDINATE WITH ELECTRICAL AND AV CONTRACTORS.	PROVIDE CONDUIT THROUGH FLOOR, UP THROUGH NEAREST WALL PARTITION TO THE NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
AVR TV	FLOOR MOUNTED TELECOMMUNICATIONS OUTLET FOR AUDIOVISUAL EQUIPMENT RACK; (#) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES. COORDINATE WITH TA-SERIES DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF AV RACK. OUTLET MOUNTED WITHIN CREDENZAS OR MILLWORK (UON).	PROVIDE CONDUIT THROUGH FLOOR, UP THROUGH NEAREST WALL PARTITION TO THE NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
#TV	RAISED FLOOR MOUNTED TELECOMMUNICATIONS OUTLET (FLOOR BOX); (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. PROVIDE COMPATIBLE FACEPLATE AS SPECIFIED AND APPROVED FOR COLOR BY ARCHITECT; COORDINATE WITH ELECTRICAL CONTRACTOR.	PROVIDE CONDUIT THROUGH FLOOR, UP THROUGH NEAREST WALL PARTITION TO THE NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
#TV	RAISED FLOOR MOUNTED TELECOMMUNICATIONS OUTLET (POKE THRU); (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. PROVIDE COMPATIBLE FACEPLATE AS SPECIFIED AND APPROVED FOR COLOR BY ARCHITECT; COORDINATE WITH ELECTRICAL CONTRACTOR.	PROVIDE CONDUIT THROUGH FLOOR, UP THROUGH NEAREST WALL PARTITION TO THE NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
AV #TV	RAISED FLOOR MOUNTED TELECOMMUNICATIONS OUTLET (FLOOR BOX) FOR AUDIOVISUAL; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. PROVIDE COMPATIBLE FACEPLATE AS SPECIFIED AND APPROVED FOR COLOR BY ARCHITECT; COORDINATE WITH ELECTRICAL AND AV CONTRACTORS.	PROVIDE CONDUIT THROUGH FLOOR, UP THROUGH NEAREST WALL PARTITION TO THE NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
AVR #TV	RAISED FLOOR MOUNTED TELECOMMUNICATIONS OUTLET (FLOOR BOX) FOR AUDIOVISUAL EQUIPMENT RACK; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. PROVIDE COMPATIBLE FACEPLATE AS SPECIFIED AND APPROVED FOR COLOR BY ARCHITECT; COORDINATE WITH ELECTRICAL AND AV CONTRACTORS.	PROVIDE CONDUIT THROUGH FLOOR, UP THROUGH NEAREST WALL PARTITION TO THE NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
	FURNITURE MOUNTED	
#TV	FURNITURE MOUNTED TELECOMMUNICATIONS OUTLET; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. PROVIDE COMPATIBLE FURNITURE BEZEL. COORDINATE WITH FURNITURE VENDOR.	NOT APPLICABLE
#TV	TABLE TOP MOUNTED TELECOMMUNICATIONS OUTLET; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. COORDINATE EXACT FACEPLATE AND MOUNTING REQUIREMENTS WITH FURNITURE VENDOR.	NOT APPLICABLE
	FURNITURE INFEED	
#TV	NOT APPLICABLE	FLOOR IN-FEED; (#) TRADE SIZE OF THE CONDUIT / STUB-UPS REQUIRED. PROTECT ANY EXPOSED CABLE WITH SPIRAL WRAP.
#TV	NOT APPLICABLE	WALL IN-FEED; (#) TRADE SIZE OF THE CONDUIT / STUB-UPS REQUIRED. PROTECT ANY EXPOSED CABLE WITH SPIRAL WRAP.

TN - SYMBOLS LEGEND

TN - ELECTRICAL COORDINATION

SYMBOL	DESCRIPTION	DESCRIPTION
	WALL MOUNTED	
TV#	STANDARD WALL MOUNTED TELECOMMUNICATIONS OUTLET; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2.	PROVIDE DOUBLE GANG BACK BOX (MIN 2.5" DEEP) WITH A SINGLE GANG REDUCER PLATE AND CONDUIT STUB-UP TO NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES.
AV TV#	WALL MOUNTED TELECOMMUNICATIONS OUTLET FOR AUDIOVISUAL OUTLET; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. COORDINATE LOCATION AND MOUNTING DETAILS WITH TA-SERIES DRAWINGS AND AV INTEGRATOR.	PROVIDE SINGLE GANG BACK BOX (MIN 2.5" DEEP) WITH A 1" CONDUIT STUB-UP TO NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES. COORDINATE LOCATION AND MOUNTING DETAILS WITH AV INTEGRATOR.
AVD TV#	WALL MOUNTED TELECOMMUNICATIONS OUTLET FOR AUDIOVISUAL DISPLAY; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. COORDINATE LOCATION AND MOUNTING DETAILS WITH TA-SERIES DRAWINGS AND AV INTEGRATOR.	PROVIDE SINGLE GANG BACK BOX (MIN 2.5" DEEP) WITHIN IN-WALL BOX WITH A 1" CONDUIT STUB-UP TO NEAREST ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FOR OUTLETS WITH UP TO FOUR CABLES AND 1.25" CONDUIT FOR OUTLETS WITH FIVE TO EIGHT CABLES. COORDINATE LOCATION AND MOUNTING DETAILS WITH AV INTEGRATOR.
AVR TV#	WALL MOUNTED TELECOMMUNICATIONS OUTLET FOR AUDIOVISUAL EQUIPMENT RACK; (4) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 4. COORDINATE WITH TA-SERIES DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF AV RACK. OUTLET MOUNTED WITHIN CREDENZAS OR MILLWORK (UON).	WALL MOUNTED TELECOMMUNICATIONS OUTLET FOR AUDIOVISUAL EQUIPMENT RACK. PROVIDE DOUBLE GANG BACK BOX 2-1/2" DEEP (MIN) WITH SINGLE GANG REDUCER PLATE AND CONDUIT STUB-UP. PROVIDE 1" CONDUIT FOR OUTLET WITH UP TO FOUR CABLES AND 1 1/4" CONDUIT FOR OUTLETS WITH FOUR (4) TO EIGHT (8) CABLES. COORDINATE WITH TA-SERIES DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF AV RACK. OUTLET MOUNTED WITHIN CREDENZAS OR MILLWORK (UON).
BMS TV#	WALL MOUNTED TELECOMMUNICATIONS OUTLET FOR BUILDING MANAGEMENT SYSTEM; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2.	PROVIDE SINGLE GANG PLENUM-RATED BACK BOX WITH 1" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING.
CAM TV	WALL MOUNTED TELECOMMUNICATIONS OUTLET FOR SECURITY CAMERA; (1) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER.	PROVIDE SINGLE GANG PLENUM-RATED BACK BOX WITH 1" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING.
W TV	WALL MOUNTED TELEPHONE OUTLET; (1) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. PROVIDE FACEPLATE WITH MOUNTING STUDS.	PROVIDE SINGLE GANG PLENUM-RATED BACK BOX WITH 1" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING.
WAP TV	WALL MOUNTED TELECOMMUNICATIONS OUTLET FOR WIRELESS ACCESS POINT; (2) CATEGORY 6A UTP CABLES TO THE DESIGNATED TR/ER. CONTRACTOR TO PROVIDE A MINIMUM OF 15 FEET OF SLACK NEATLY COILED ABOVE THE NEAREST ACCESSIBLE CEILING FOR FUTURE USE.	PROVIDE DOUBLE GANG BACK BOX (MIN 2.5" DEEP) WITH A SINGLE GANG REDUCER PLATE AND CONDUIT STUB-UP TO NEAREST ACCESSIBLE CEILING.
TV#	WALL MOUNTED FIBER OPTIC OUTLET; (2) STRANDS OF MM FIBER TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF STRANDS OTHER THAN 2.	PROVIDE DOUBLE GANG BACK BOX (MIN 2.5" DEEP) WITH A SINGLE GANG REDUCER PLATE AND CONDUIT STUB-UP TO NEAREST ACCESSIBLE CEILING.
	CEILING MOUNTED	
TV#	CEILING MOUNTED TELECOMMUNICATIONS OUTLET; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2.	PROVIDE SINGLE GANG PLENUM-RATED BACK BOX.
AV TV#	CEILING MOUNTED TELECOMMUNICATIONS OUTLET FOR AUDIOVISUAL OUTLET; (2) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER. (#) REPRESENTS NUMBER OF CABLES OTHER THAN 2. COORDINATE WITH AV INTEGRATOR.	PROVIDE SINGLE GANG PLENUM-RATED BACK BOX.
CAM TV#	CEILING MOUNTED TELECOMMUNICATIONS OUTLET FOR SECURITY CAMERA; (1) CATEGORY 6 UTP CABLES TO THE DESIGNATED TR/ER.	PROVIDE SINGLE GANG PLENUM-RATED BACK BOX.
WAP TV#	CEILING MOUNTED TELECOMMUNICATIONS OUTLET FOR WIRELESS ACCESS POINT; (2) CATEGORY 6A UTP CABLES TO THE DESIGNATED TR/ER. CONTRACTOR TO PROVIDE A MINIMUM OF 15 FEET OF SLACK NEATLY COILED ABOVE THE NEAREST ACCESSIBLE CEILING FOR FUTURE USE.	PROVIDE PLENUM RATED BACK BOX: 4" X 4" X 2.25" BACK BOX INSIDE CEILING WITHIN 15' OF INTENDED AP INSTALLATION LOCATION.

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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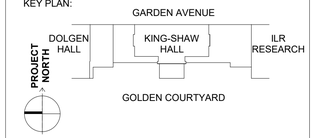
KEY PLAN:



PROJECT:

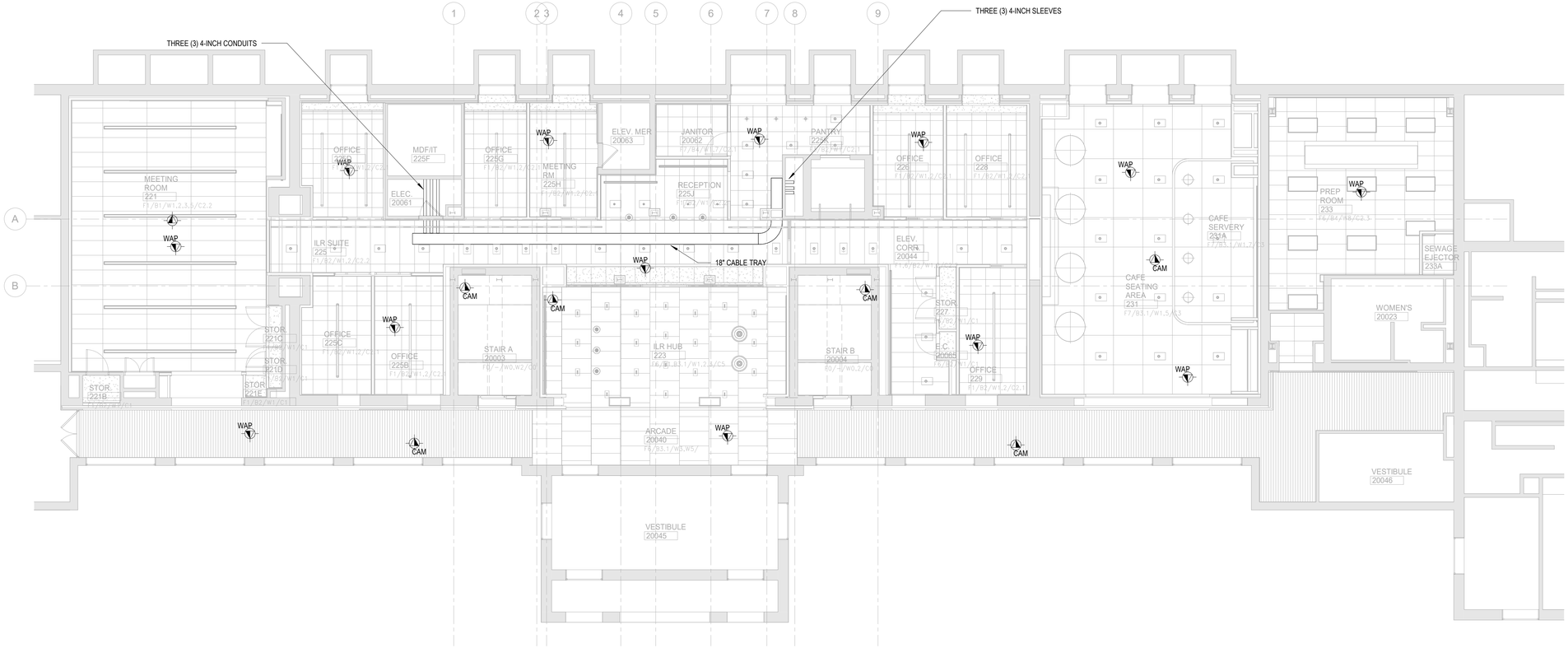
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

TELECOMMUNICATIONS SYMBOLS SHEET

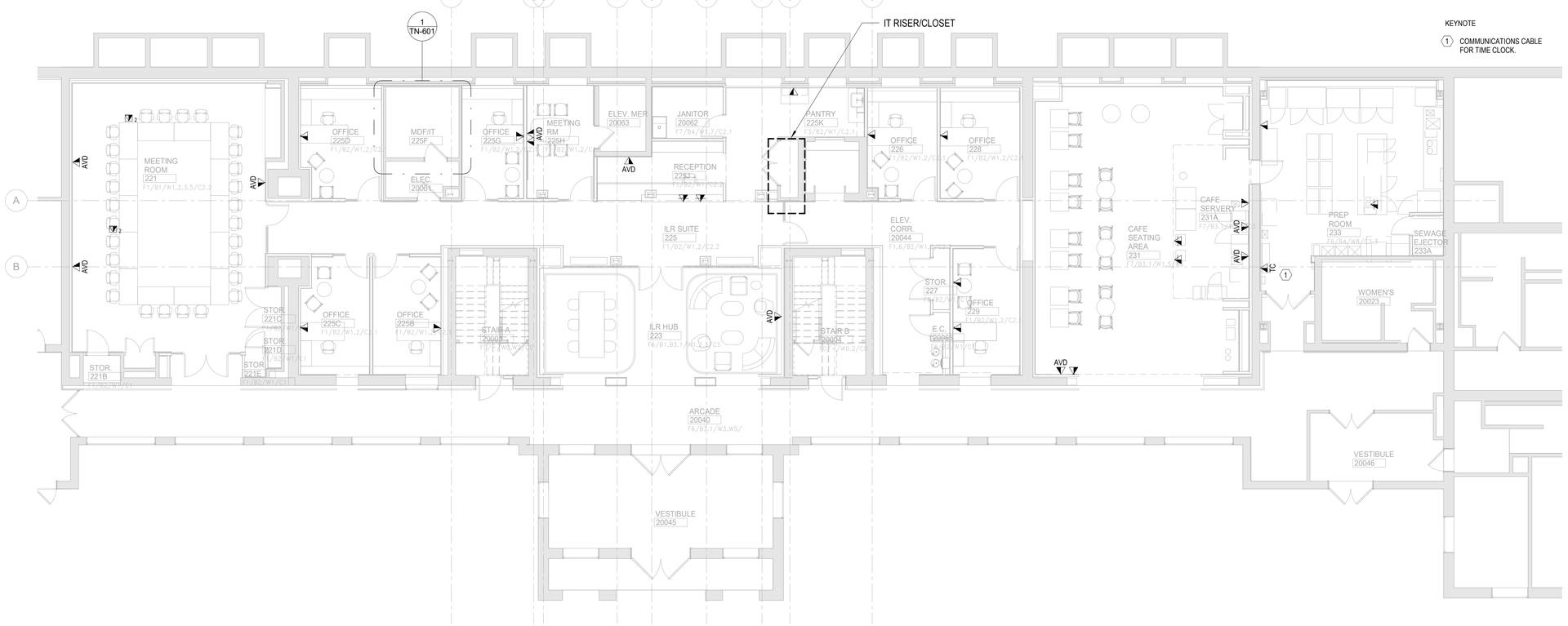
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TN-001



1 TELECOMMUNICATIONS CEILING PLAN - SECOND FLOOR

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



2 TELECOMMUNICATIONS PLAN - SECOND FLOOR

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

OWNER PROJECT NUMBER
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ISSUE/REVISION:

NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
2	2024-09-04	PRICING SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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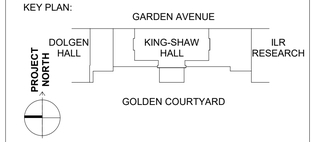
KEY PLAN:



PROJECT:

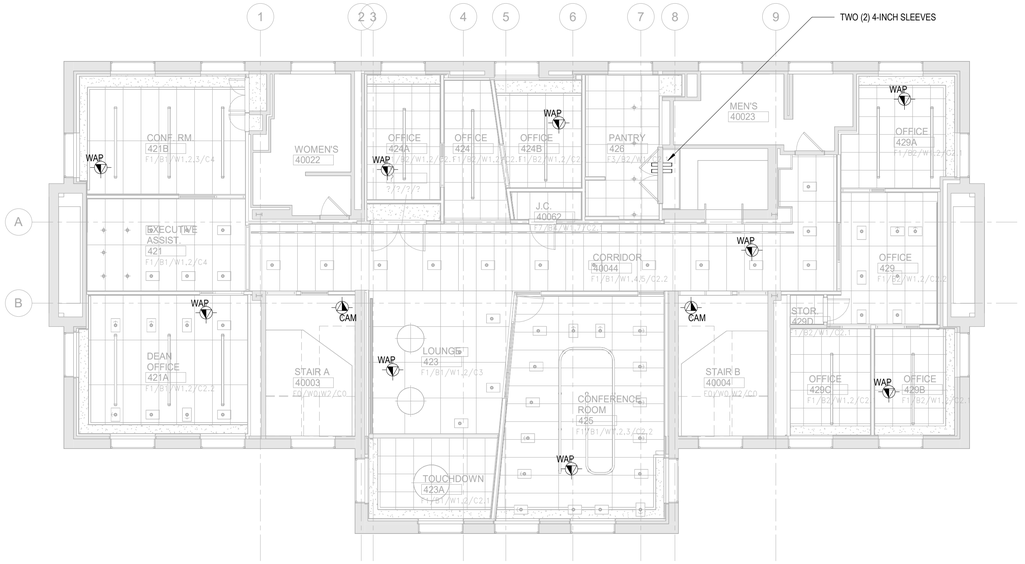
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

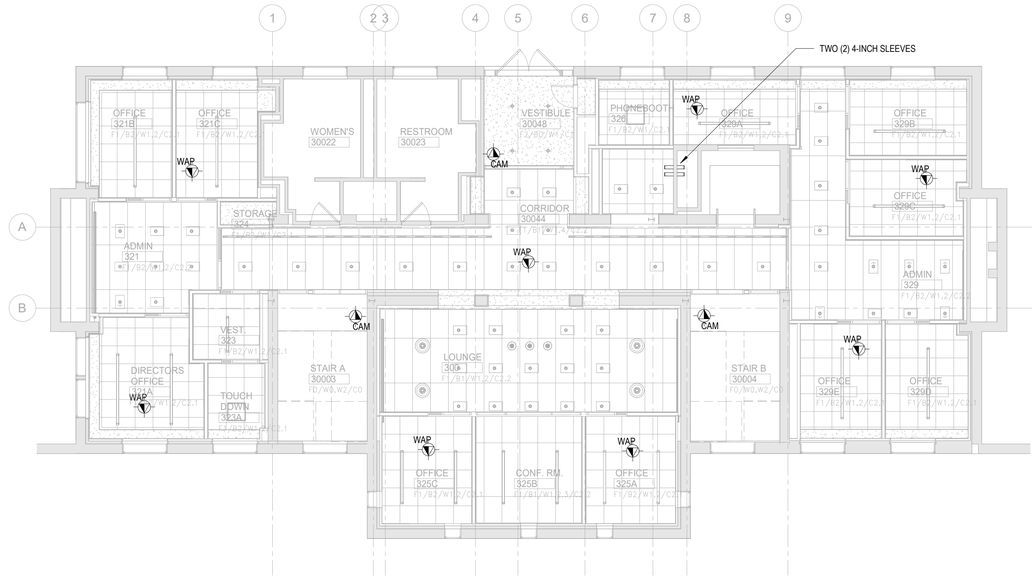
TELECOMMUNICATIONS PLAN - SECOND FLOOR

PROJECT NO: 243310.0129	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1/8" = 1'-0"

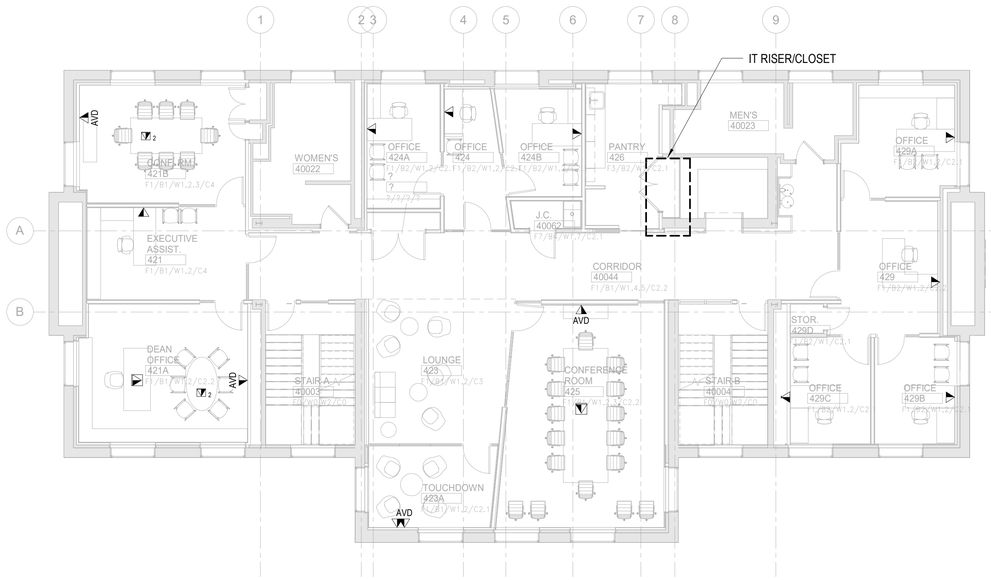
TN-201



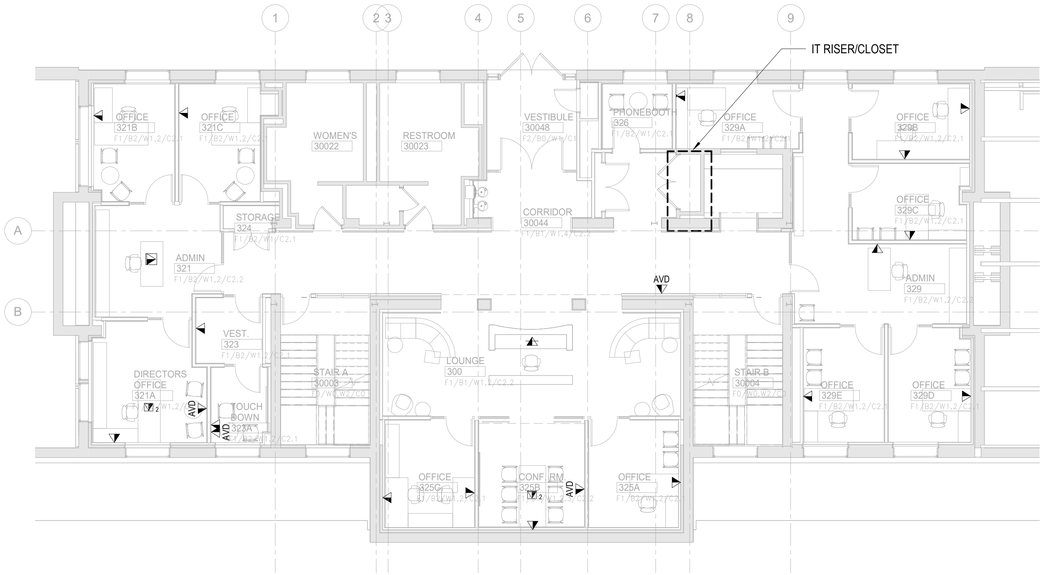
4 TELECOMMUNICATIONS CEILING PLAN - FOURTH FLOOR
SCALE: 1/8" = 1'-0"



2 TELECOMMUNICATIONS CEILING PLAN - THIRD FLOOR
SCALE: 1/8" = 1'-0"



3 TELECOMMUNICATIONS PLAN - FOURTH FLOOR
SCALE: 1/8" = 1'-0"



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

OWNER PROJECT NUMBER
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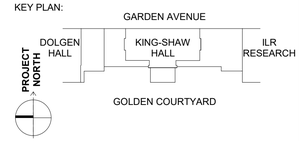


PROJECT:

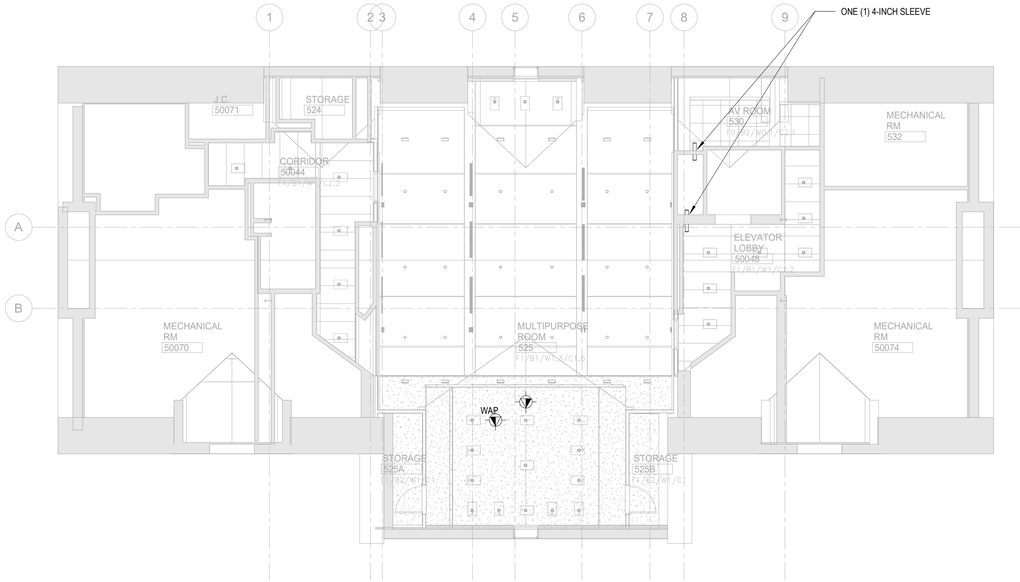
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

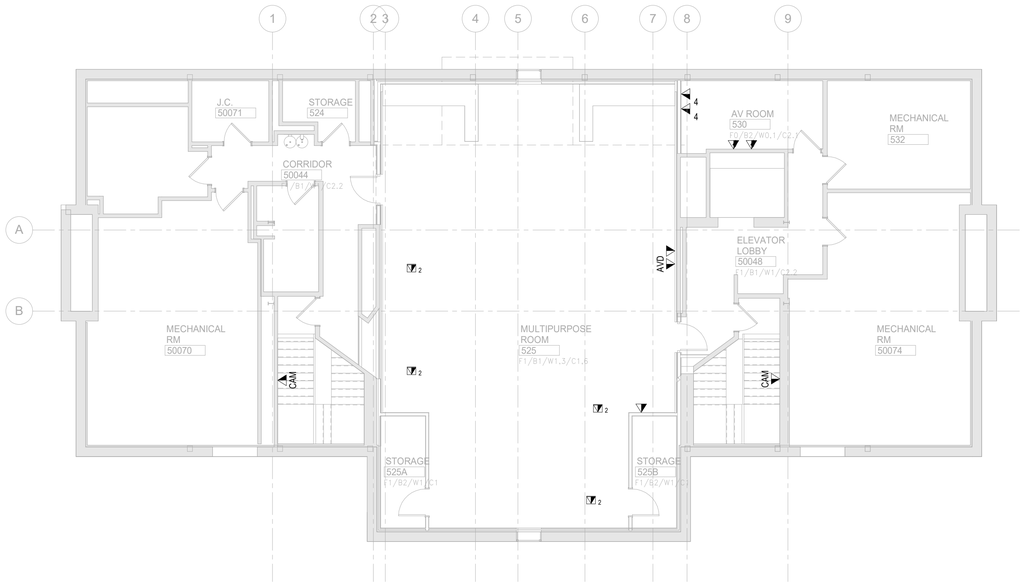
TELECOMMUNICATIONS PLAN - THIRD & FOURTH FLOOR

PROJECT NO: 243310.0129	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1/8" = 1'-0"

TN-202



2 **TELECOMMUNICATIONS CEILING PLAN - FIFTH FLOOR**
SCALE: 1/8" = 1'-0"



1 **TELECOMMUNICATIONS PLAN - FIFTH FLOOR**
SCALE: 1/8" = 1'-0"

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
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5	2025-01-31	100% CD

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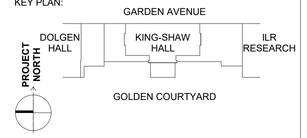
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

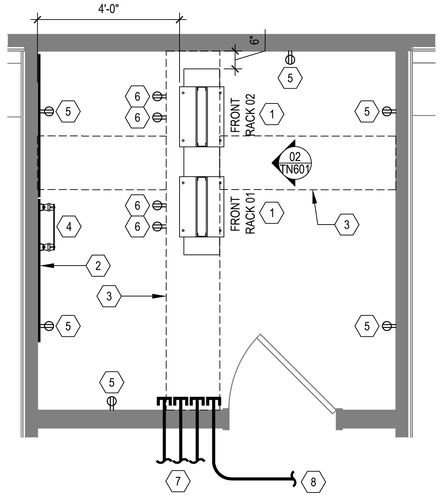
TELECOMMUNICATIONS PLAN - FIFTH FLOOR

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

TN-203

EQUIPMENT:

1. STANDARD 19" 2-POST RACK. BLACK, 7FT, 42RU MIN. (BY COMMS)
2. 3/4" X 4 X 8 FIRE RATED PLYWOOD BACKBOARDS PAINTED TO MATCH ADJACENT WALL. (BY DIV. 26)
3. 18" LADDER RACK @7'-6" AFF. (BY COMMS)
4. SECONDARY BONDING BUSBAR (SBB) (BY DIV. 26)
5. 120V/20A CONVENIENCE DUPLEX OUTLET. (BY DIV. 26)
6. 120V/20A DUPLEX OUTLET, DEDICATED CIRCUIT, OVERHEAD CABLE TRAY MOUNTED. (BY DIV. 26)
7. THREE (3) 4-INCH CONDUITS TO CABLE TRAY. (BY DIV. 26)
8. ONE (1) 2-INCH CONDUIT TO BUILDING TEL. RISER CLOSET. (BY DIV. 26)

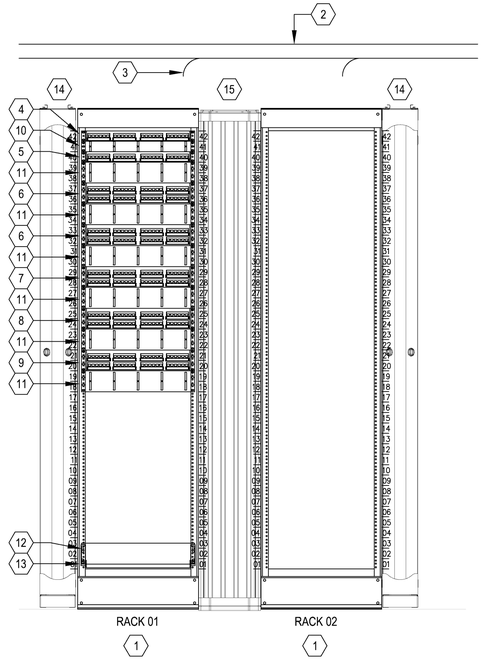


01 TN-601 IDF/LAN LAYOUT – PLAN VIEW

SCALE: 1/2"=1'-0"

EQUIPMENT:

1. STANDARD 19" 2-POST RACK. BLACK, 7FT, 42RU MIN. (BY COMMS)
2. 18" LADDER RACK @ 7'-6" AFF. (BY COMMS)
3. CABLE WATERFALL TYP. (BY COMMS)
4. 24-PORT PATCH PANEL: COMMUNICATIONS CABLING FOR SECURITY CAMERAS. (BY COMMS)
5. 24-PORT PATCH PANEL: COMMUNICATIONS CABLING FOR WIRELESS NETWORK (WAP). (BY COMMS)
6. 48-PORT PATCH PANEL: COMMUNICATIONS CABLING FOR DATA NETWORK 2ND FLOOR. (BY COMMS)
7. 48-PORT PATCH PANEL: COMMUNICATIONS CABLING FOR DATA NETWORK 3RD FLOOR. (BY COMMS)
8. 48-PORT PATCH PANEL: COMMUNICATIONS CABLING FOR DATA NETWORK 4TH FLOOR. (BY COMMS)
9. 48-PORT PATCH PANEL: COMMUNICATIONS CABLING FOR DATA NETWORK 5TH FLOOR. (BY COMMS)
10. 1RU CABLE MANAGEMENT PANEL. (BY COMMS)
11. 2RU CABLE MANAGEMENT PANEL. (BY COMMS)
12. RACK MOUNTED UPS. POWERWARE 9125 2000VA W/48 EBM EXTENDED BATTERY MODULE. (BY COMMS)
13. EQUIPMENT SHELF. (BY COMMS)
14. 6-INCH WIDE VERTICAL CABLE MANAGER. (BY COMMS)
15. 12-INCH WIDE VERTICAL CABLE MANAGER. (BY COMMS)



02 TN-601 IDF/LAN LAYOUT – RACK ELEVATION

SCALE: 1"=1'-0"

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NO.	DATE	COMMENTS
2	2024-09-04	PRICING SET
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4	2024-12-18	90% CD
5	2025-01-31	100% CD

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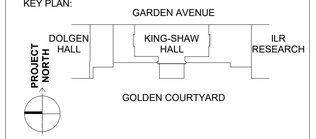
KEY PLAN:



PROJECT:

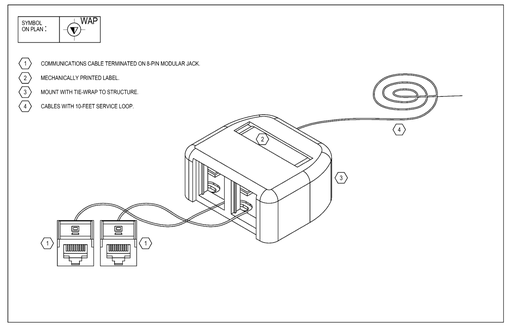
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

TELECOMMUNICATIONS ENLARGED PLANS

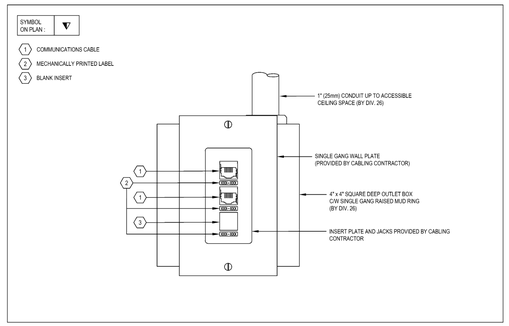
PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TN-601



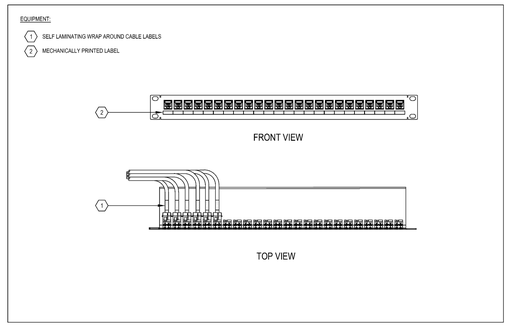
09 / TN-701 — 2-PORT SURFACE MOUNT BOX

NTS



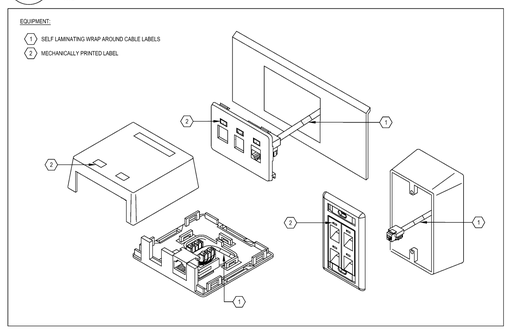
05 / TN-701 — 2-PORT COMMUNICATIONS WALL OUTLET DETAIL

NTS



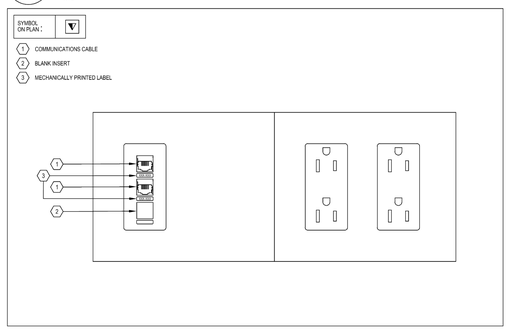
01 / TN-701 — PATCH PANEL/CABLE LABELING (TYPICAL)

NTS



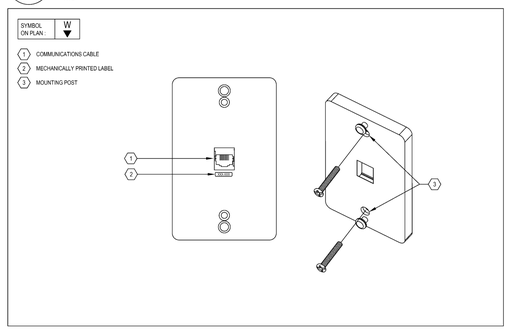
10 / TN-701 — FACEPLATE/CABLE LABELING DETAIL (TYPICAL)

NTS



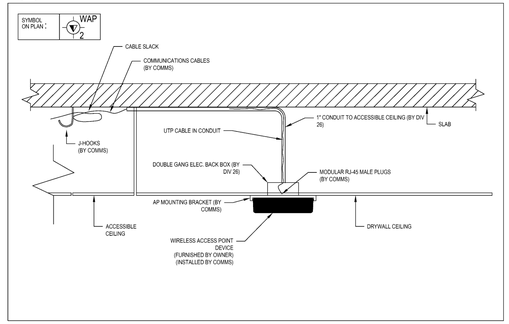
06 / TN-701 — COMMUNICATIONS FLOOR OUTLET DETAIL

NTS



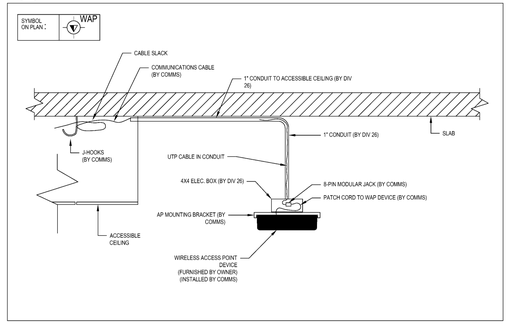
02 / TN-701 — COMMUNICATIONS WALL PHONE OUTLET DETAIL

NTS



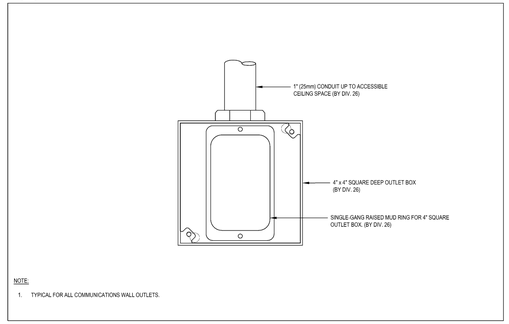
11 / TN-701 — WAP MOUNTING DETAIL - DRYWALL CEILING

NTS



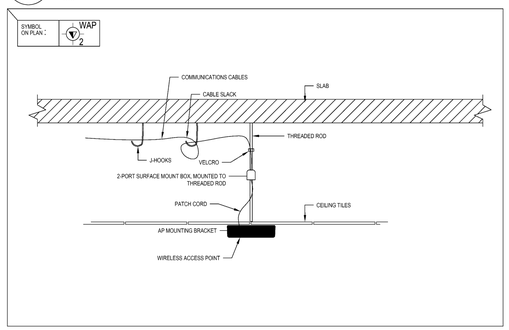
07 / TN-701 — WAP MOUNTING DETAIL - OPEN CEILING

NTS



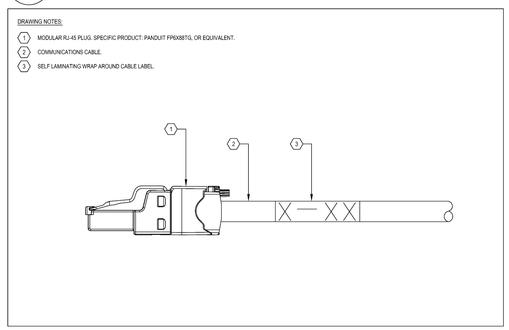
03 / TN-701 — 4" SQUARE, DEEP OUTLET BOX W/1-GANG MUDRING

NTS



08 / TN-701 — WAP MOUNTING DETAIL - CEILING TILE

NTS



04 / TN-701 — MODULAR RJ-45 MALE PLUG

NTS

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NO.	DATE	COMMENTS
3	2024-09-27	DESIGN DEVELOPMENT
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5	2025-01-31	100% CD

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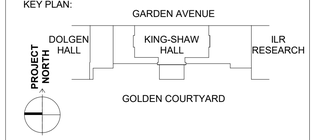
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

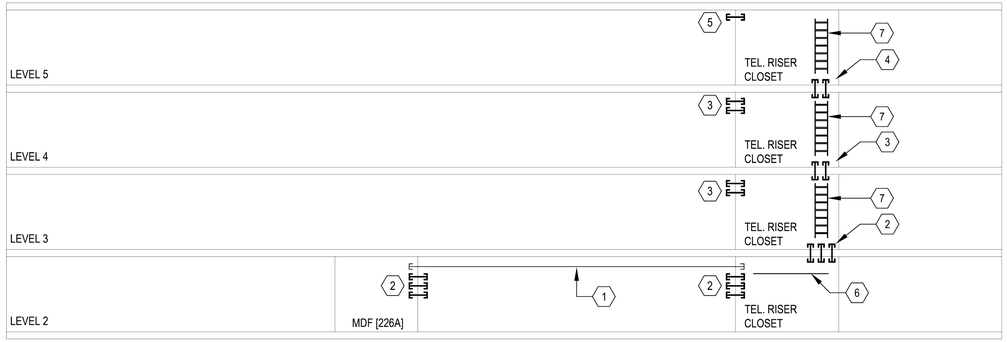
TELECOMMUNICATIONS EQUIPMENT DETAILS

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

TN-701

KEYED NOTES:

1. ONE (1) 2-INCH CONDUIT. (BY DIV. 26)
2. THREE (3) 4-INCH SLEEVES/CONDUITS. (BY DIV. 26)
3. TWO (2) 4-INCH CORE/SLEEVES. (BY DIV. 26)
4. TWO (2) 3-INCH CORES/SLEEVES. (BY DIV. 26)
5. ONE (1) 4-INCH SLEEVE. (BY DIV. 26)
6. 18-INCH HORIZONTAL LADDER RACK.
7. 18-INCH VERTICALLY WALL MOUNTED LADDER RACK.



NOTES:

1. THIS RISER IS DIAGRAMATIC AND NOT TO SCALE. REFER TO FLOOR PLANS FOR ROOM LOCATIONS.

1 TELECOMMUNICATIONS RISER DIAGRAM

NTS

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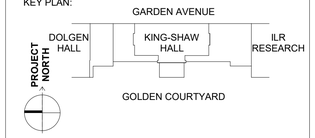

PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

TELECOMMUNICATIONS RISER DIAGRAMS

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE:**

TN-801

SECURITY DRAWING LIST						
NUMBER	SHEET TITLE	PROGRESS SET - 2024-08-23	PRICING SET - 2024-09-04	100% DD - 2024-09-27	90% CD - 2024-12-18	100% CD - 2025-01-31
SECURITY						
TY-000	SECURITY COVER SHEET	X	X	X	X	X
TY-001	SECURITY SYMBOLS SHEET			X	X	X
TY-201	SECURITY PLAN - SECOND FLOOR	X	X	X	X	X
TY-202	SECURITY PLAN - THIRD AND FOURTH FLOOR	X	X	X	X	X
TY-203	SECURITY PLAN - FIFTH FLOOR	X	X	X	X	X
TY-701	SECURITY EQUIPMENT DETAILS			X	X	X

ABBREVIATIONS

ACAMS	ACCES CONTROL AND ALARM MONITORING SYSTEM
ADA	AMERICANS WITH DISABILITIES
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
C	CONDUIT(S)
CCTV	CLOSED CIRCUIT TELEVISION
CLG	CEILING
D	DEEP
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL
EQPT	EQUIPMENT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FT	FOOT/FEET
GND	GROUND
H	HIGH
I.D.	INSIDE DIAMETER
ISRAS	INTEGRATED SECURITY MANAGEMENT SYSTEM
JB	JUNCTION BOX
LAN	LOCAL AREA NETWORK
MECH	MECHANICAL
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFE	OWNER FURNISHED EQUIPMENT
PB	PULLBOX
PoE	POWER OVER ETHERNET
PR	PAIR
STP	SHIELDED TWISTED PAIR
TEMP	TEMPORARY
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
RU	RACK UNIT
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VoIP	VOICE OVER INTERNET PROTOCOL
VSS	VIDEO SURVEILLANCE SYSTEM
W	WIDE
W/	WITH
W/O	WITHOUT
WAN	WIDE AREA NETWORK
WAP	WIRELESS ACCESS POINT
WP	WATERPROOF
WS	WORKSTATION
WW	WIREWAY

SECURITY GENERAL NOTES

1. REFER TO ELECTRICAL SPECIFICATIONS FOR INSTALLATION INSTRUCTIONS OF FLOORBOXES, JUNCTION BOXES, PLYWOOD, GROUNDING CONDUCTORS, BUSBARS, CONDUITS, METAL ENCLOSURES, ELECTRICAL PANELBOARDS AND CIRCUITING.
2. INSTALL FIRESTOP TO ALL SLAB AND WALL PENETRATIONS PROVIDED FOR THE INSTALLATION OF TELECOMMUNICATIONS CABLE AS REQUIRED TO MAINTAIN FIRE RATING OF SLAB OR WALL. REVIEW ARCHITECTS PLANS FOR PARTITION TYPES.
3. PROVIDE, INSTALL, LABEL, PROGRAM AND TEST A COMPLETE AND OPERATING SECURITY SYSTEM, INCLUDING SOFTWARE, HARDWARE, CABLES, CONNECTORS, MOUNTING DEVICES, POWER SUPPLIES, AND ACCESSORIES.
4. WORK SHALL COMPLY WITH THE MOST RECENT REVISION OF THE NATIONAL ELECTRIC CODE, OSHA AND MANUFACTURER'S INSTALLATION INSTRUCTION, CONSTRUCTION STANDARDS, ALL APPLICABLE LOCAL CODES, STANDARD AND INDUSTRY BEST PRACTICES. IN THE EVENT OF CONFLICT BETWEEN OR AMONG SUCH CODE/REQUIREMENTS, THE MORE STRINGENT SHALL APPLY.
5. DOOR HARDWARE AND CAMERA LOCATIONS ARE DIAGRAMMATIC ONLY; COORDINATE ACTUAL LOCATIONS WITH THE ARCHITECT. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER OR OWNER'S REPRESENTATIVE. REFER TO TY7.0.1 FOR DETAILS.
6. ANY DEPARTURE FROM CONCEPT SHOWN ON THE CONTRACT DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.

PATHWAY AND WIRING NOTES

1. CONDUITS, SLEEVES, BACKBOXES AND PULL BOXES THROUGHOUT THE FACILITY WILL BE PROVIDED AS PART OF THE ELECTRICAL SCOPE. THEY ARE SHOWN ON THE SECURITY DRAWINGS FOR REFERENCE ONLY.
2. FLEXIBLE CONDUIT SHALL NOT BE USED, UNLESS SPECIFICALLY NOTED.
3. CONDUIT STUB-UPS SHALL BE EXTENDED TO THE NEAREST ACCESSIBLE CEILING, JUNCTION BOX OR IT CLOSET.
4. COORDINATE WITH OTHER TRADE DRAWINGS, FURTHERMORE, SURVEY THE FACILITY TO LOCATE ALL BACKBOXES, CONDUITS, STUB-UPS, AND OTHER WIREWAYS PROVIDED BY OTHERS OR EXISTING AND DESIGNATED FOR SECURITY CABLES AS SHOWN ON THE SECURITY DRAWINGS.
5. SURVEY THE BUILDING AND LOCATING ALL BACKBOXES, FLOORBOXES, STUB-UPS, CONDUITS AND OTHER PATHWAYS DEDICATED FOR SECURITY USE.
6. ALL CONDUITS, SLEEVES AND OTHER OPENINGS DESIGNATED FOR SECURITY USE, WHETHER THEY ARE UTILIZED OR NOT, SHALL BE FIRE STOPPED PER CODE REQUIREMENTS. RE-ESTABLISH THE FIRE RATING OF ALL PENETRATIONS MADE BY THE CONTRACTOR THROUGH FIRE RATED FLOORS OR WALLS.
7. PROVIDE CONDUITS IN ALL EXPOSED AND INACCESSIBLE WALLS AND CEILINGS FOR THE PURPOSES OF INSTALLING SECURITY CABLES.
8. ALL METALLIC CONDUITS, AND EQUIPMENT SHALL BE PROPERLY GROUNDED.
9. ALL CABLE PATHWAYS SHALL BE CONCEALED IN FLOOR, WALL AND CEILING SPACES WHERE POSSIBLE UNLESS OTHERWISE NOTED.
10. ALL CABLE PATHWAYS SHALL BE RUN PARALLEL OR ORTHOGONAL TO WALLS, FLOORS AND CEILINGS.
11. ALL CONDUITS SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED AND FURNISHED WITH PULL WIRES.
12. PROVIDE PLASTIC BUSHING AT ALL SLEEVE AND OPEN CONDUIT ENDS.
13. THE MINIMUM BEND RADIUS FOR A CONDUIT THAT IS 2" OR LESS IN DIAMETER SHALL BE 6 TIMES THE INTERNAL CONDUIT DIAMETER. IF THE CONDUIT IS LARGER THAN 2" THE BEND RADIUS SHOULD BE 10 TIMES THE INTERNAL CONDUIT DIAMETER.
14. PROVIDE A PULLBOX IN CONDUIT RUNS SUCH THAT:
    - MAXIMUM CONTINUOUS CONDUIT RUN SHALL NOT EXCEED 100FT.
    - NO MORE THAN TWO 90° BENDS EXIST IN A CONTINUOUS CONDUIT RUN.
    -ALL PULLBOXES ARE ACCESSIBLE AND HAVE REMOVABLE COVERS.
15. ALL CABLES RUN IN CEILINGS IN AREAS WHERE CABLE TRAYS OR OTHER SIMILAR SUPPORT IS NOT SPECIFIED SHALL BE PROPERLY SUPPORTED AT MINIMUM OF 5' INTERVALS ABOVE CEILING TILES. NO CABLES SHALL REST ON OR TOUCH CEILING TILES, DUCTWORK, CONDUIT OR PLUMBING.
16. INSTALL SECURITY CABLES UTILIZING THE ASSIGNED PATHWAYS. WHEN USING SHARED PATHWAYS, THE SECURITY CABLES SHALL BE INSTALLED USING J-HOOKS OR SIMILAR SUPPORT AND SHALL BE SUPPORTED AT INTERVALS AT MAXIMUM 5'. IN ACCESSIBLE FLOORS CABLES SHALL BE GROUPED AND TIED TOGETHER.
17. LABEL ALL SECURITY CABLES AT BOTH ENDS, PULLING POINTS AND EVERY 50'.

LABELING NOTES

1. CABLE ADMINISTRATION
   - A. PROPERLY TAG ALL CABLES, RECEPTACLES, CONNECTION BLOCKS AND PATCH PANELS.
   - B. REPORT ANY CABLE THAT EXCEEDS 250' TO THE DESIGN TEAM. THE CABLE SHALL BE CLEARLY MARKED WITH RED TAPE AT BOTH ENDS OF EACH CABLE INDICATING THE EXACT CABLE LENGTH AND NOTED IN THE REQUIRED AS-BUILT LABEL REPORT.
   - C. PRIOR TO SYSTEM ACCEPTANCE, THE CONTRACTOR SHALL SUBMIT AN AS-BUILT LABEL REPORT PROVIDING THE ROOM NUMBERS AND CABLE LENGTHS FOR EACH OF THE INSTALLED CABLES.
2. LABEL REQUIREMENTS
   - A. PROVIDE WHITE LABEL WITH TYPE WRITTEN LEGIBLE CHARACTERS, PRINTED WITH NON-SMEAR INK. HANDWRITTEN LABELS ARE NOT PERMITTED.
   - B. PROVIDE LABELS WITH A INDUSTRIAL GRADE SELF ADHESIVE BACKING.
   - C. PROVIDE LABELS FOR CABLES WITH PROTECTIVE WRAP-AROUND PLASTIC TRANSPARENT COVER WHICH WILL SERVE TO PROTECT THE INK FROM SMEARING AND SECURE THE LABEL TO THE CABLE.
   - D. PROVIDE LABELS FOR CABLES WIDE ENOUGH FOR 23 CHARACTERS IN A SINGLE ROW.
   - E. RISER AND TIE CABLE JACKETS SHALL BE LABELED WITH EACH TELECOM ROOM AT 40' INTERVALS OUTSIDE TELECOM ROOMS ABOVE CEILINGS.

EQUIPMENT INSTALLATION NOTES

1. FINISHES AND MOUNTING DETAILS OF EXPOSED EQUIPMENT SHALL MATCH THE FINISHES OF THE ROOM THEY ARE INSTALLED AND SHALL BE APPROVED BY ARCHITECT VIA SUBMITTALS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONAL LOCATIONS AND MOUNTING HEIGHTS OF DEVICES.
3. DOOR HARDWARE FOR NEW DOORS PROVIDED AS PART OF THE DOOR HARDWARE. PROVIDE AND INSTALL ALL REQUIRED WIRING, INPUT/OUTPUT BOARDS AND OTHER REQUIRED EQUIPMENT AND ACCESSORIES FOR MONITORING AND CONTROLLING THE DOOR DEVICES. REFER TO DOOR SCHEDULE AND DOOR HARDWARE SCHEDULE FOR DETAIL OF DOOR TYPES AND HARDWARE INCLUDED FOR EACH DOOR. COORDINATE WITH FINISH HARDWARE PROVIDER.
4. INSTALLATION AND TESTING PROCEDURES FOR ALL SECURITY EQUIPMENT AND DEVICES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
5. SUPPLY, INSTALL, TERMINATE, CONNECT, ADJUST AND TEST ALL EQUIPMENT AND REQUIREMENTS EXPRESSED IN THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DOCUMENTS.
6. ELECTROMAGNETIC LOCKS SHALL BE TIED INTO THE BUILDING FIRE ALARM SYSTEM.

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
1	2024-08-27	PROGRESS SET
2	2024-09-04	PRICING SET
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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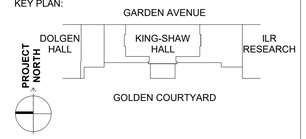
KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

SECURITY COVER SHEET

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TY-000

C	WALL MOUNTED CCTV CAMERA (ALL ARE PoE) TYPE: C1 - INDOOR MINI DOME CAMERA C2 - N/A C3 - N/A C4 - INDOOR 180° CAMERA C5 - N/A C6 - EXTERIOR 180° CAMERA C7 - N/A C8 - EXTERIOR MINI DOME PTZ CAMERA C9 - EXTERIOR MINI DOME 8MP CAMERA C10 - N/A
C	CEILING MOUNTED CCTV CAMERA (ALL ARE PoE) TYPE: C1 - INDOOR MINI DOME CAMERA C2 - N/A C3 - N/A C4 - INDOOR 180°/360° CAMERA C5 - N/A C6 - N/A C7 - N/A C8 - EXTERIOR MINI DOME PTZ CAMERA C9 - EXTERIOR MINI DOME 8MP CAMERA

TY - SYMBOLS LEGEND

TY - ELECTRICAL COORDINATION

TY - DOOR VENDOR COORDINATION

SYMBOL	DESCRIPTION	DESCRIPTION	DESCRIPTION
RACK MOUNTED			
ACS	ACCESS CONTROL SERVER	NOT APPLICABLE	NOT APPLICABLE
MON	MONITORING WORKSTATION	NOT APPLICABLE	NOT APPLICABLE
VSS	VIDEO SURVEILANCE SERVER	NOT APPLICABLE	NOT APPLICABLE
WALL MOUNTED			
ACP	ACCESS CONTROL PANEL	NOT APPLICABLE	NOT APPLICABLE
BR	BIO-METRIC READER	BIO-METRIC READER - PROVIDE BACK BOX AS NEEDED WITH ¾" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	NOT APPLICABLE
CR	CARD READER	CARD READER - PROVIDE SINGLE GANG BACK BOX WITH ¾" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	NOT APPLICABLE
C	WALL MOUNTED CCTV CAMERA	WALL MOUNTED CCTV CAMERA - PROVIDE 4" X 4" JUNCTION BOX WITH 1" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	NOT APPLICABLE
C 180°	WALL MOUNTED CCTV CAMERA 180°	WALL MOUNTED CCTV CAMERA - PROVIDE 4" X 4" JUNCTION BOX WITH 1" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	NOT APPLICABLE
DC	DOOR CONTACT	DOOR CONTACT - PROVIDE ¾" CONDUIT. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	NOT APPLICABLE
DB	DURESS BUTTON	DURESS BUTTON - PROVIDE SINGLE GANG BACK BOX WITH ¾" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING.	NOT APPLICABLE
EH	ELECTRIC TRANSFER DEVICE	ELECTRIC TRANSFER DEVICE - PROVIDE SINGLE GANG BACK BOX WITH ¾" CONDUIT STUB-UP. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	ELECTRIC TRANSFER DEVICE - FURNISH AND INSTALL
EL	ELECTRIC LOCKSET	NOT APPLICABLE	ELECTRIC LOCKSET - FURNISH AND INSTALL
ES	ELECTRIC STRIKE	ELECTRIC STRIKE - REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS	ELECTRIC STRIKE - FURNISH AND INSTALL
GB	GLASS BREAK	NOT APPLICABLE	NOT APPLICABLE
IC	INTERCOM (M = MASTER, S= STATION E = EMERGENCY CALL STATION)	INTERCOM - PROVIDE BACK BOX AS NEEDED WITH ¾" CONDUIT STUB-UP TO NEAREST ACCESSIBLE CEILING.	NOT APPLICABLE
IDP	INTRUSION DETECTION PANEL	NOT APPLICABLE	NOT APPLICABLE
KP	KEYPAD	KEYPAD - PROVIDE SINGLE GANG BACK BOX WITH ¾" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING.	NOT APPLICABLE
ML	MAGNETIC LOCK	MAGNETIC LOCK - REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	MAGNETIC LOCK - FURNISH AND INSTALL
MS	MOTION SENSOR	NOT APPLICABLE	NOT APPLICABLE
PB	PUSH BUTTON	PUSH BUTTON - PROVIDE SINGLE GANG BACK BOX WITH ¾" CONDUIT STUB-UP TO THE NEAREST ACCESSIBLE CEILING. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	NOT APPLICABLE
RR	REMOTE DOOR RELEASE BUTTON (# = NUMBER OF RELEASE BUTTONS)	AUDIBLE ALARM / DOOR ALARM. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT STUB UP TO THE NEAREST ACCESIBLE CEILING	NOT APPLICABLE
RX	REQUEST TO EXIT (M = MOTION, P = PNEUMATIC BUTTON, S = SWITCH)	REQUEST TO EXIT - FOR PUSH BUTTON VARIANTS - PROVIDE SINGLE GANG BACK BOX WITH ¾" CONDUIT STUB-UP TO NEAREST ACCESSIBLE CEILING. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	NOT APPLICABLE
CEILING MOUNTED			
C	CEILING MOUNTED CCTV CAMERA	CEILING MOUNTED CCTV CAMERA - PROVIDE 4" X 4" JUNCTION BOX. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS	NOT APPLICABLE
C 180°	CEILING MOUNTED CCTV CAMERA 180°	CEILING MOUNTED CCTV CAMERA - PROVIDE 4" X 4" JUNCTION BOX. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS	NOT APPLICABLE
C 360°	CEILING MOUNTED CCTV CAMERA 360°	CEILING MOUNTED CCTV CAMERA - PROVIDE 4" X 4" JUNCTION BOX. REFER TO SECURITY DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS	NOT APPLICABLE
GB	CEILING MOUNTED GLASS BREAK	NOT APPLICABLE	NOT APPLICABLE
MS	CEILING MOUNTED MOTION SENSOR	NOT APPLICABLE	NOT APPLICABLE

OWNER PROJECT NUMBER
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Ithaca, NY 14853

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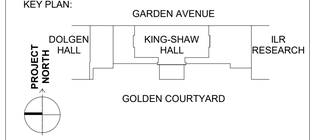
KEY PLAN:



PROJECT:

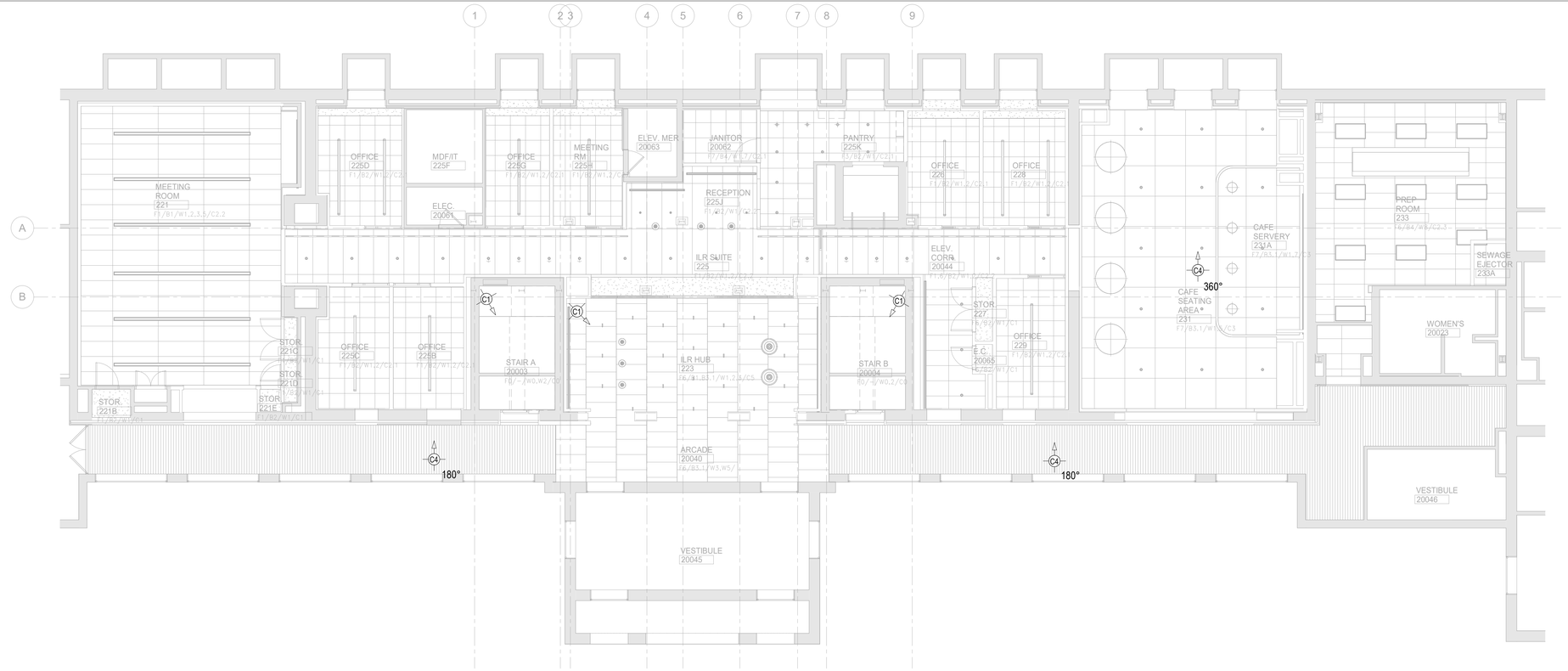
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

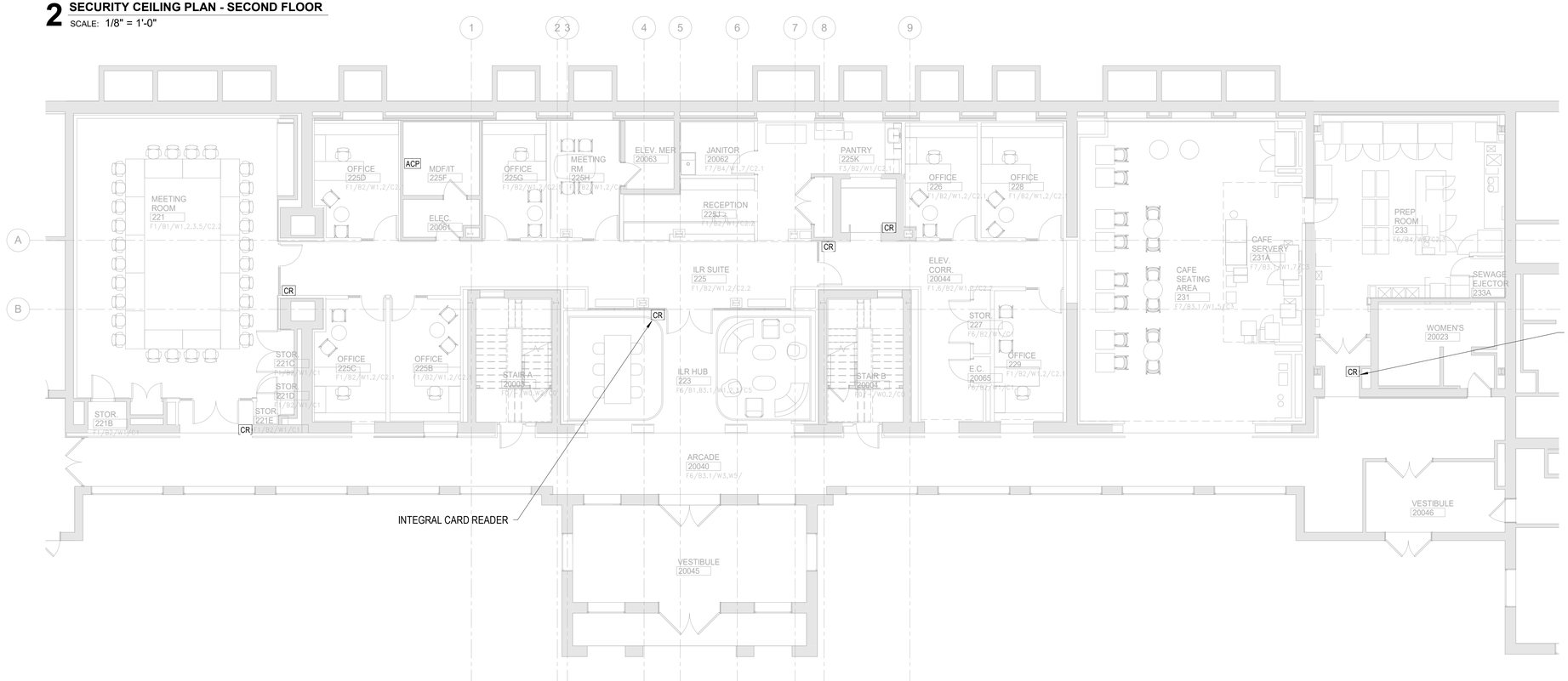
SECURITY SYMBOLS SHEET

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 12" = 1'-0"**

TY-001



2 **SECURITY CEILING PLAN - SECOND FLOOR**
SCALE: 1/8" = 1'-0"



1 **SECURITY PLAN - SECOND FLOOR**
SCALE: 1/8" = 1'-0"

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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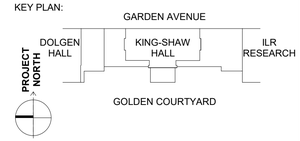


PROJECT:

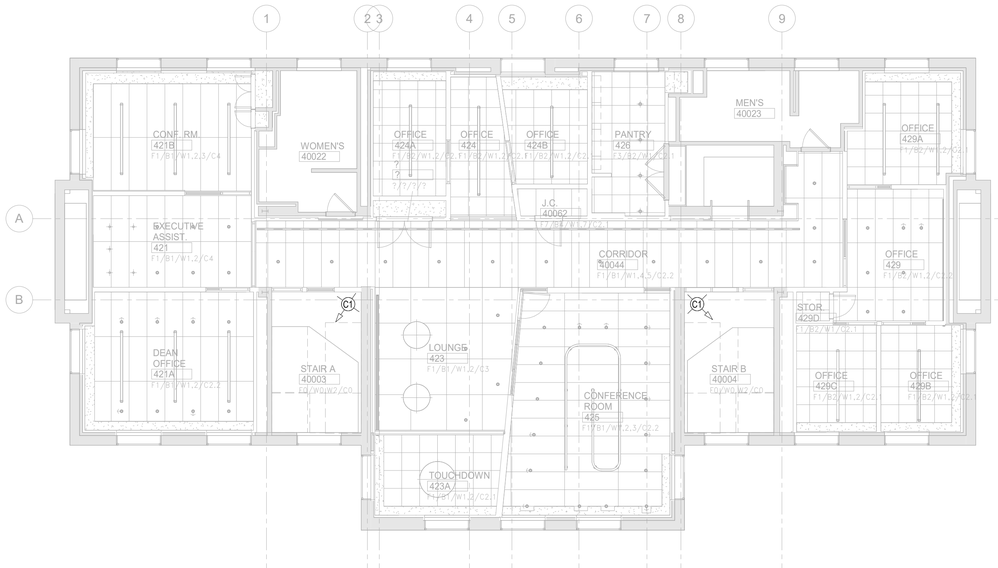
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

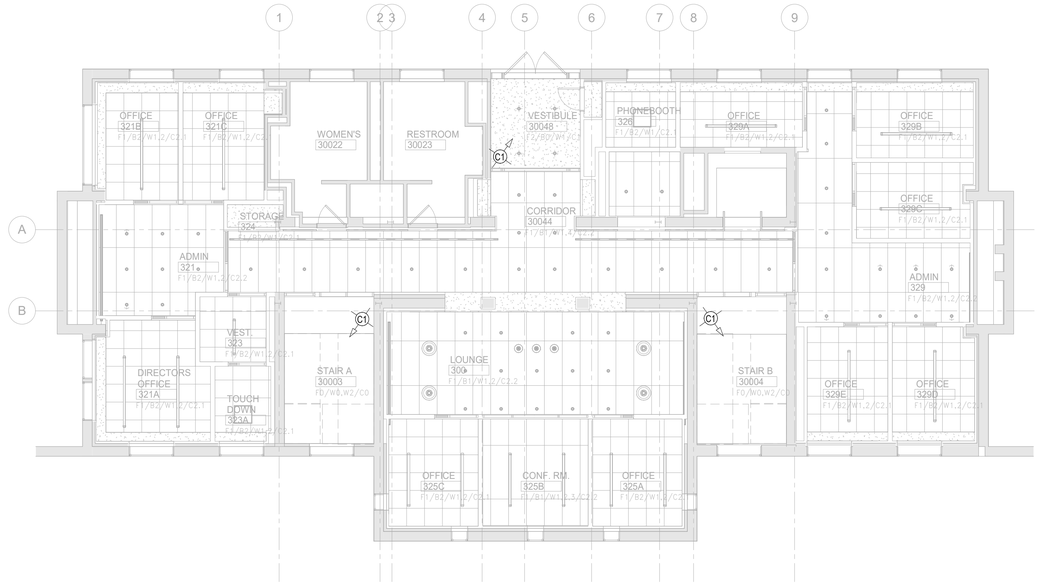
DRAWING TITLE:

SECURITY PLAN - SECOND FLOOR

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

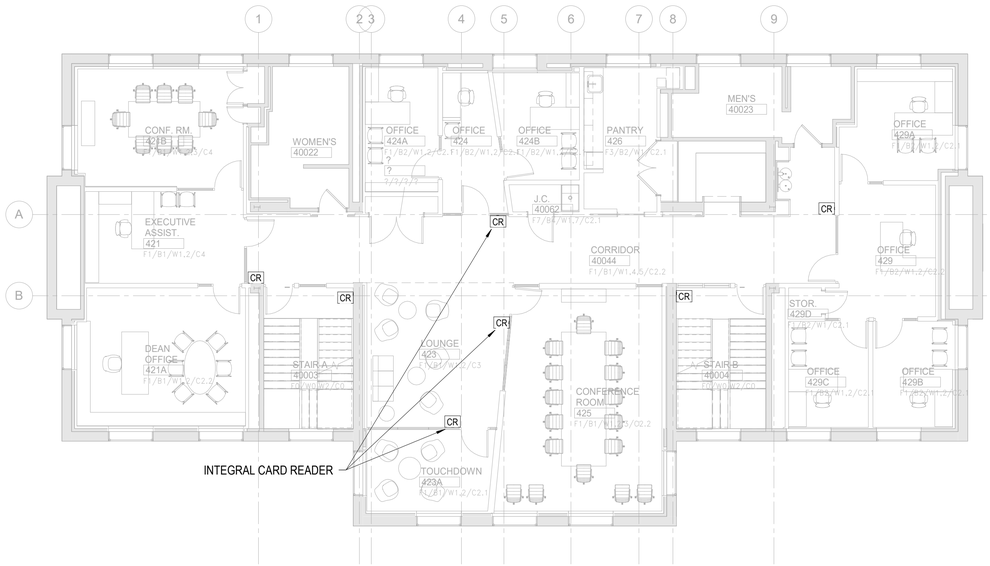
TY-201





4 SECURITY CEILING PLAN - FOURTH FLOOR

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

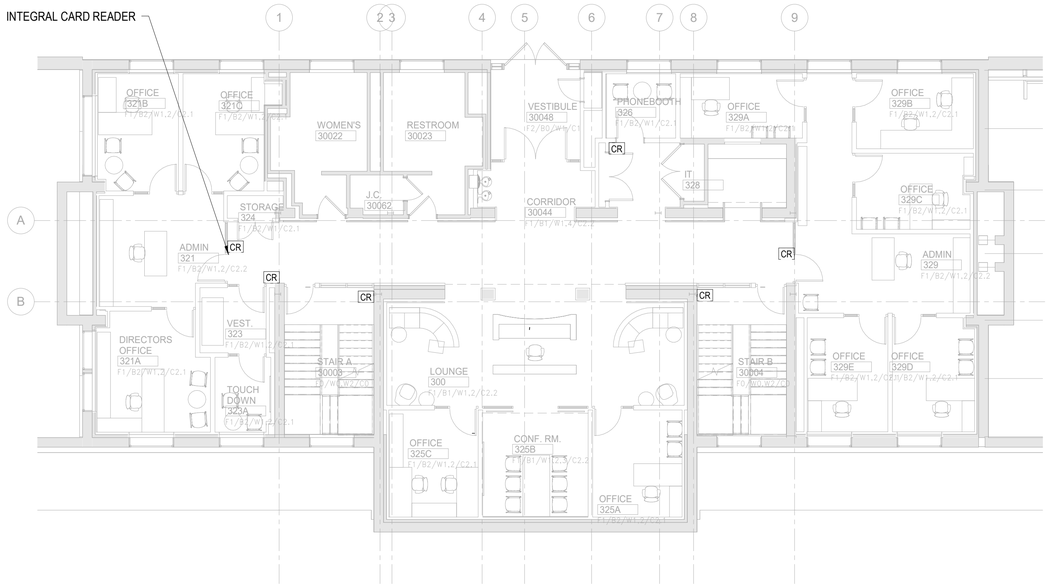


3 SECURITY PLAN - FOURTH FLOOR

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

2 SECURITY CEILING PLAN - THIRD FLOOR

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



1 SECURITY PLAN - THIRD FLOOR

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

OWNER PROJECT NUMBER
Cornell University
Ithaca, NY 14853

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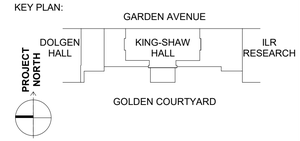


PROJECT:

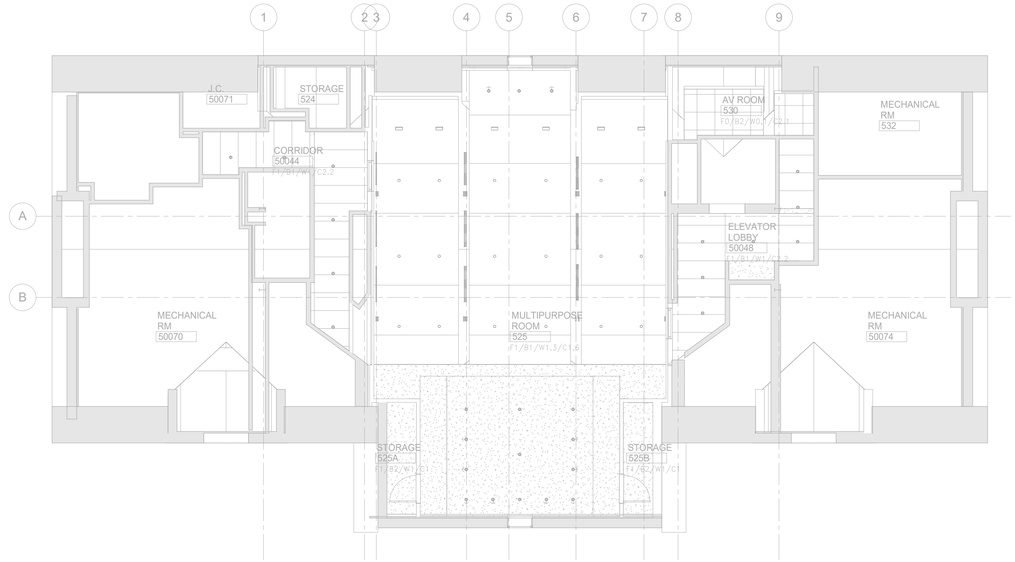
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

SECURITY PLAN - THIRD AND FOURTH FLOOR

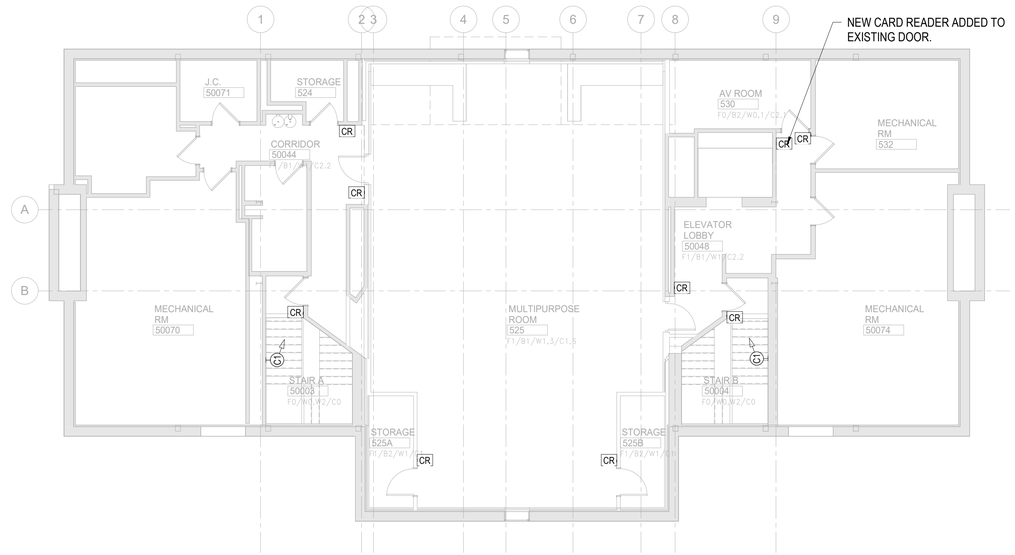
PROJECT NO: 243310.0129	DATE: 01/31/2025
PHASE: 100% CD	SCALE: 1/8" = 1'-0"

TY-202



2 **SECURITY CEILING PLAN - FIFTH FLOOR**

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



1 **SECURITY PLAN - FIFTH FLOOR**

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

OWNER PROJECT NUMBER
Cornell University
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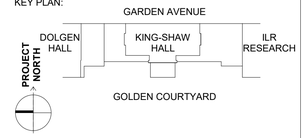


PROJECT:

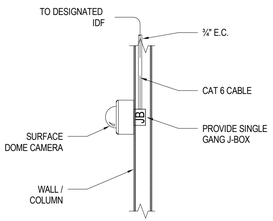
RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

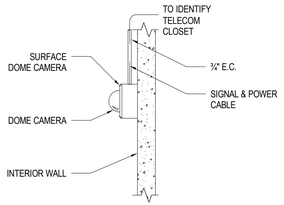
SECURITY PLAN - FIFTH FLOOR

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 1/8" = 1'-0"**

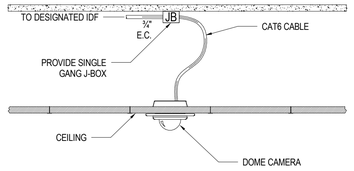
TY-203



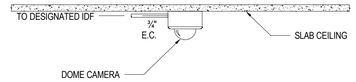
1	FIXED - SURFACE DOME CAMERA INTERIOR HOLLOW WALL MOUNTED
NTS	



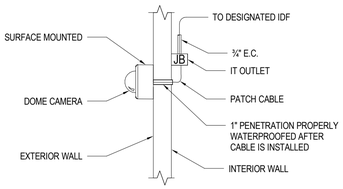
2	FIXED - SURFACE DOME CAMERA INTERIOR SOLID WALL MOUNTED
1/2"=1'-0"	



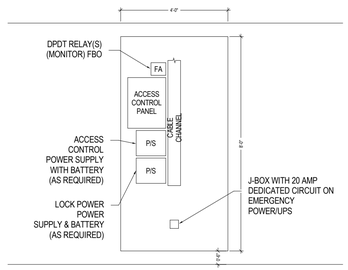
3	FIXED - FLUSH DOME CAMERA SUSPENDED CEILING MOUNTED
NTS	



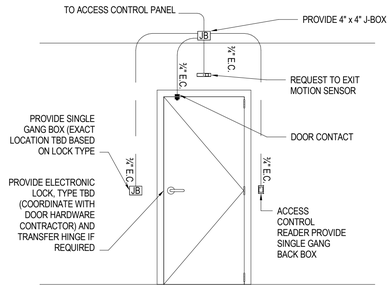
4	FIXED - SURFACE DOME CAMERA UNDERSIDE MOUNTED
NTS	



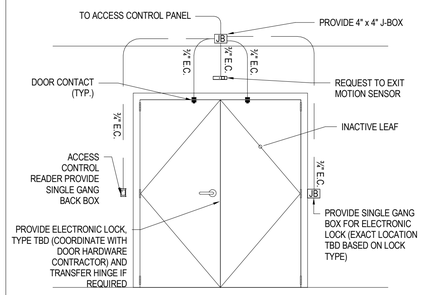
5	FIXED - SURFACE DOME CAMERA EXTERIOR WALL MOUNTED
NTS	



6	SECURITY WALL FIELD (SCHEMATIC ONLY) ACCESS CONTROL PANEL (ACP)
1/2"=1'-0"	



7	SINGLE DOOR - SECURE SIDE ELECTRIC LOCK (TYPE TBD)
1/2"=1'-0"	



8	DOUBLE DOORS - SECURE SIDE ELECTRIC LOCK (TYPE TBD)
1/2"=1'-0"	

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SEAL:

ISSUE/REVISION:

NO.	DATE	COMMENTS
3	2024-09-27	DESIGN DEVELOPMENT
4	2024-12-18	90% CD
5	2025-01-31	100% CD

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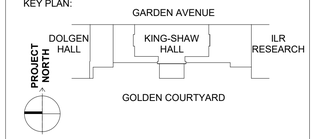
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

KEY PLAN:



PROJECT:

RENOVATE 2ND - 5TH FLOOR AT KING-SHAW HALL

DRAWING TITLE:

SECURITY EQUIPMENT DETAILS

PROJECT NO: 243310.0129	**DATE: 01/31/2025**
PHASE: 100% CD	**SCALE: 3/32" = 1'-0"**

TY-701