

# GEORGIA INSTITUTE OF TECHNOLOGY

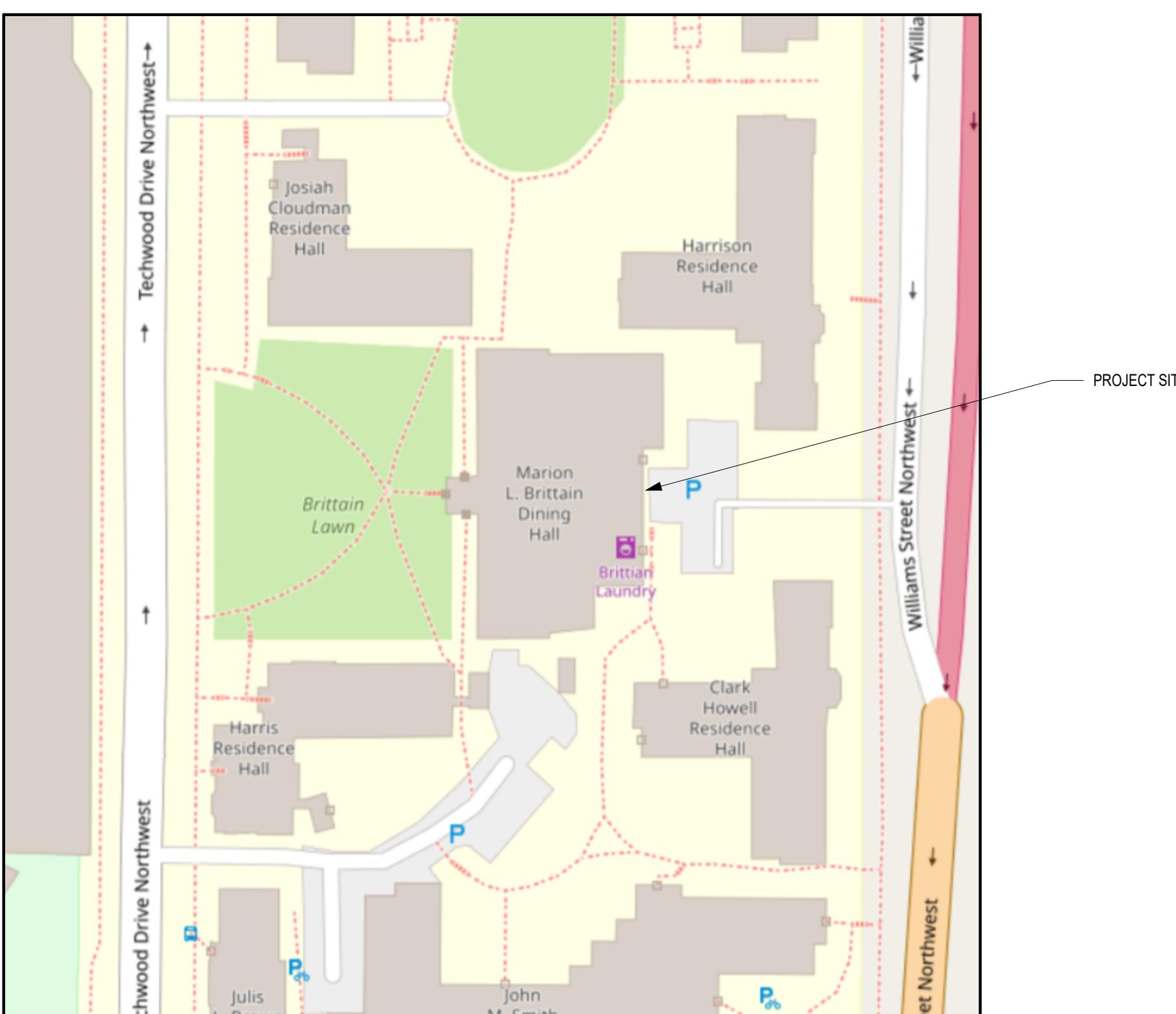
## BRITTAIN HALL ELECTRICAL INFRASTRUCTURE IMPROVEMENTS

WILEY|WILSON CONTRACT NUMBER 1185-24  
GEORGIA TECH PROJECT NUMBER 0275-2023

646 TECHWOOD DR NW, ATLANTA, GA 30330

ISSUED FOR CONSTRUCTION

4/25/2025

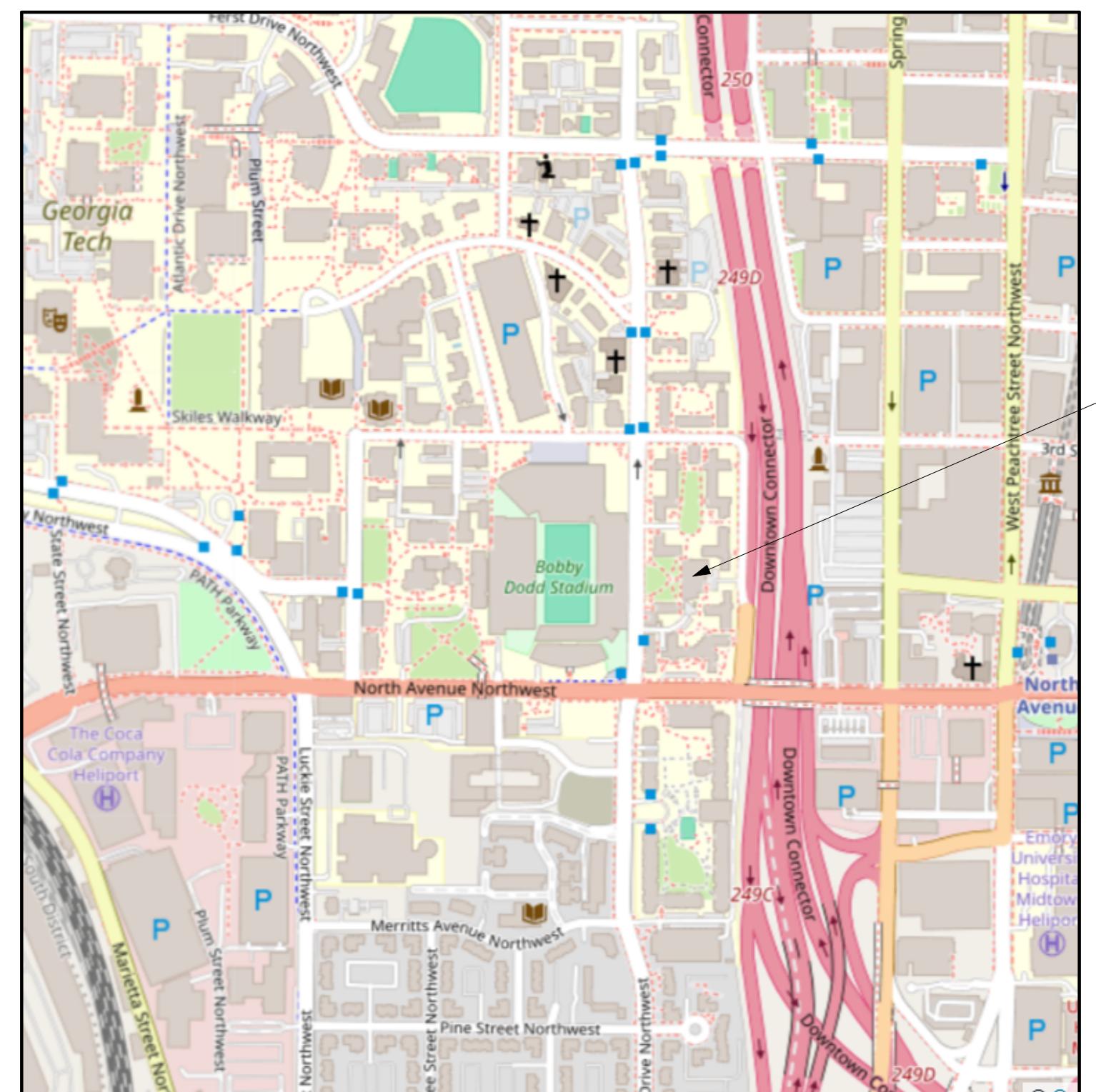


### LOCATION MAP

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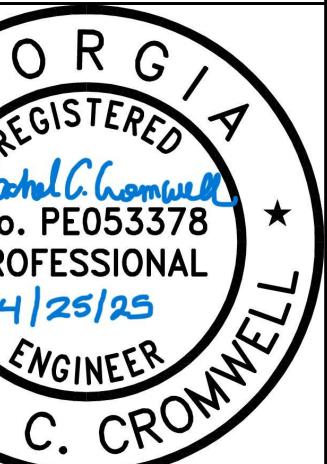
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00 GENERAL	
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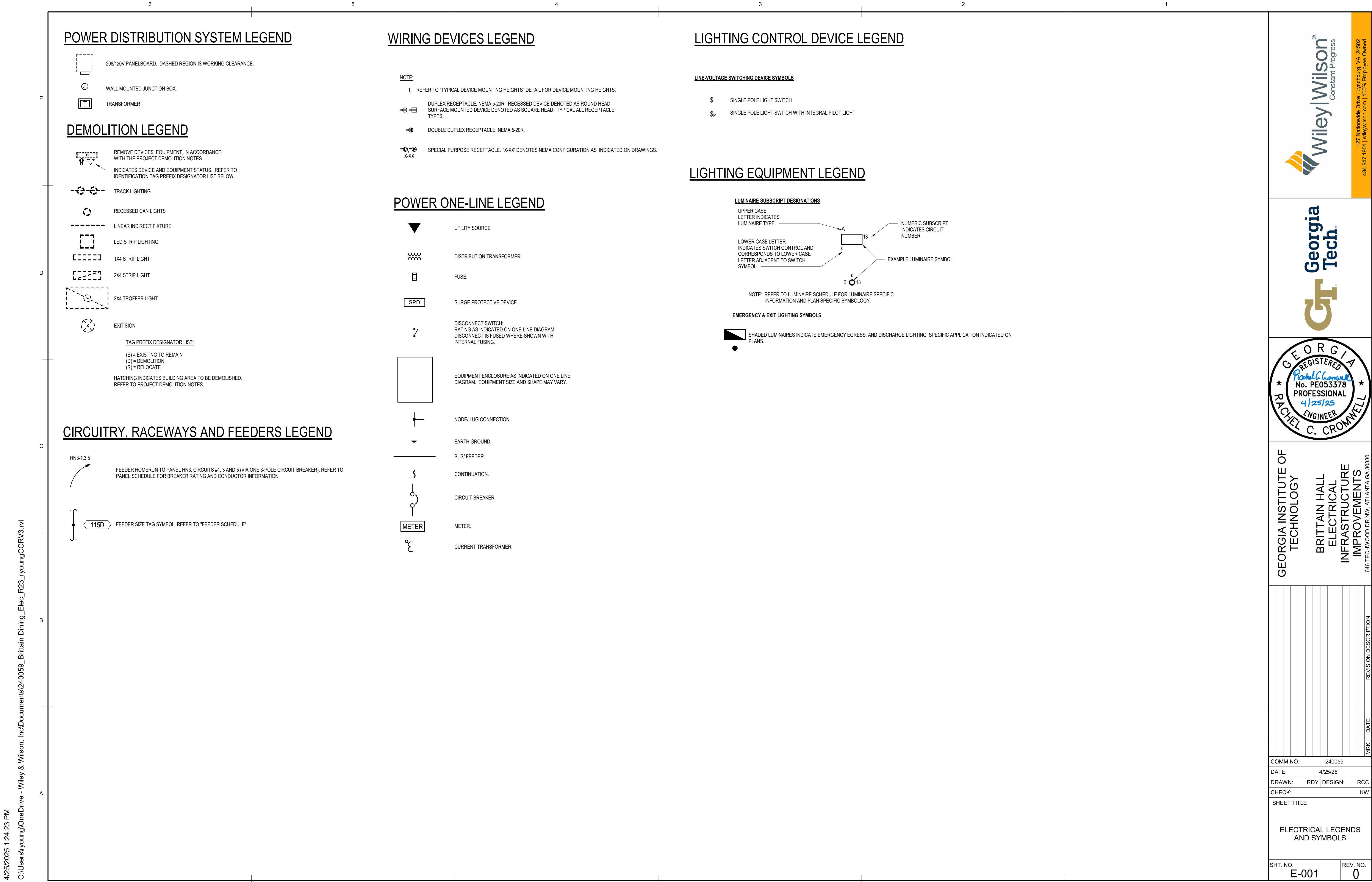
07 ARCHITECTURAL (PROVIDED FOR REFERENCE ONLY)	
SHEET NUMBER	SHEET NAME
AG001	GENERAL NOTES & ABBREVIATIONS
AD101A	FIRST FLOOR PLAN - SERVY DEMO
AD121	FIRST FLOOR RCP - DEMO
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A-400	DOOR DIAGRAMS & SCHEDULE
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11 MECHANICAL (PROVIDED FOR REFERENCE ONLY)	
M-001	LEGEND, ABBREVIATIONS & GENERAL NOTES
M-101	SERVY ROOM MECHANICAL PLAN
MD101	SERVY ROOM MECHANICAL DEMOLITION PLAN



### Vicinity Map

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<b>GEORGIA INSTITUTE OF TECHNOLOGY</b> <b>BRITTAIN HALL</b> <b>ELECTRICAL</b> <b>INFRASTRUCTURE</b> <b>IMPROVEMENTS</b> 646 TECHWOOD DR NW, ATLANTA, GA 30330	
COMM NO:	240059
DATE:	4/25/25
DRAWN:	RDY
DESIGN:	RCC
CHECK:	KW
SHEET TITLE	
COVER SHEET	
SHT. NO.:	G-001
REV. NO.	0



## ELECTRICAL GENERAL NOTES

1. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. PROVIDE ALL LABOR, MATERIALS, TESTS, AND OTHER SERVICES AS MAY BE NECESSARY TO ACHIEVE THIS PRODUCT. ELECTRICAL PLANS ARE DIAGRAMMATIC ONLY AND DEPICT SYSTEMS CONCEPTS, MAIN COMPONENTS, AND APPROXIMATE GEOMETRICAL RELATIONSHIP OF SYSTEMS COMPONENTS. PROVIDE ALL COMPONENTS AND MATERIALS NECESSARY TO PROVIDE FULLY COMPLETE AND FUNCTIONING SYSTEMS AS INDICATED ON DRAWINGS. PROVIDE INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS BUT NOT SHOWN ON PLANS AND VICE VERSA, AS IF EXPRESSLY REQUIRED ON BOTH.
2. SYMBOLS SHOWN IN THE LEGENDS ARE STANDARD SYMBOLS AND ALL MAY NOT NECESSARILY BE APPLICABLE TO THIS PROJECT.
3. CONDUIT HOMERUNS SHOWN ON THE DRAWING WITH MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE SHOWN DIAGRAMMATICALLY. INSTALL NO MORE THAN 3 CURRENT CARRYING CONDUCTORS IN A RACEWAY UNLESS DONE SO STRICTLY IN COMPLIANCE OF THE NATIONAL ELECTRIC CODE.
4. REVIEW ENTIRE CONSTRUCTION DOCUMENTS PACKAGE AND COORDINATE WORK OF OTHER TRADES. COORDINATE LOCATIONS OF EQUIPMENT, MOUNTING HEIGHTS, CONNECTION REQUIREMENTS, CONSTRUCTION HEADROOM, FINISHES, CASEWORK, ETC.
5. COORDINATE SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE EQUIPMENT BEING INSTALLED.
6. COORDINATE WITH GENERAL CONTRACTOR FOR PROVISION OF DISCONNECT SWITCHES, STARTERS, VFD'S, AND ACCESSORIES PROVIDED UNDER OTHER DIVISIONS.
7. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. COORDINATE ALL POWER OUTAGES, FIRE ALARM SHUT DOWNS, ETC. WITH THE OWNER.
8. INSTALL ALL EQUIPMENT, DEVICES, AND CONDUIT IN A NEAT AND WORKMANLIKE MANNER PERPENDICULAR AND PARALLEL TO BUILDING STRUCTURE.
9. FIRESTOP ALL PENETRATIONS OF FLOOR AND WALLS TO RETAIN ORIGINAL FIRE RATING IN ACCORDANCE WITH IBC, NEC, NFPA AND OTHER STANDARDS ENFORCEABLE BY THE AHJ. REFER TO ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS OF ALL RATED WALLS, CEILINGS AND FLOORS.
10. REFER TO ARCHITECTURAL PLANS FOR ALL WALL ASSEMBLIES. PROVIDE EXTENDER RINGS WHERE NECESSARY FOR FLUSH MOUNTED WIRING DEVICES.
11. PROVIDE ALL RACEWAYS ROUTED ACROSS BUILDING EXPANSION JOINTS WITH EXPANSION FITTINGS.
12. CONCEAL ALL CONDUCTORS, RACEWAYS AND CABLES IN CEILING OR WALL UNLESS OTHERWISE NOTED.
13. PROVIDE AN UPDATED PRINTED PANEL DIRECTORY IN EACH PANEL AFTER COMPLETION OF WORK.

## ELECTRICAL DEMOLITION NOTES

1. VISIT THE PROJECT LOCATION AND FIELD-VERIFY THE EXISTING CONDITIONS PRIOR TO BEGINNING WORK. FAILURE BY THE CONTRACTOR TO HAVE ACQUAINTED THEMSELVES WITH AVAILABLE INFORMATION CONCERNING EXISTING CONDITIONS, INCLUDING EXISTING DRAWINGS, DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITIES OF PERFORMANCE OF WORK IN ACCORDANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
2. COORDINATE DEMOLITION WORK WITH THE OWNER OR THE OWNER'S REPRESENTATIVE AND DO NOT INTERFERE WITH ACTIVITIES IN OTHER BUILDING AREAS. PROMPTLY REMOVE AND DISPOSE OF DEMOLISHED MATERIALS, UNLESS SPECIFICALLY INDICATED TO REMAIN OR BE TURNED OVER TO THE OWNER. PARTICULARLY MATERIALS CONTAINING HAZARDOUS MATERIALS SUCH AS LAMPS CONTAINING MERCURY OR TRANSFORMERS CONTAINING PCB'S. COORDINATE APPROPRIATE STAGING AREA WITH THE OWNER. COORDINATE WITH OWNER FOR OWNER-REMOVAL OF PROPERTY FROM THE PROJECT LOCATION.
3. REPAIR DAMAGE TO THE BUILDING AREAS IDENTIFIED TO REMAIN WHICH OCCURS DURING THE COURSE OF THE DEMOLITION. REPAIR TO MATCH SURROUNDING SURFACES.
4. COORDINATE SHUTDOWNS OR SERVICE INTERRUPTIONS WITH AND APPROVED BY THE OWNER. PROVIDE NOTICE AND WORK PLAN FOR APPROVAL A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO SHUTDOWN OR SERVICE INTERRUPTION.
5. COORDINATE ELECTRICAL DEMOLITION WORK WITH WORK OF OTHER TRADES. SEE ARCHITECTURAL AND MECHANICAL FOR RELATED WORK.
6. PROTECT ALL EXISTING EQUIPMENT AND SYSTEMS INDICATED TO REMAIN WITHIN THE PROJECT AREA. DEMONSTRATE FUNCTIONALITY DURING TESTING OF THE NEW SYSTEMS.
7. WHERE TEMPORARY REMOVAL OF WORK IS REQUIRED TO ACCOMMODATE WORK OF THIS OR OTHER TRADES, REMOVE AND STORE ELECTRICAL ITEMS IN THE PATH OF WORK, REINSTALL AND RECONNECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND/OR AS DIRECTED AFTER COMPLETION OF THE WORK IN THE AREA. PROVIDE TEMPORARY SERVICES SUCH AS EGRESS LIGHTING AND EXIT SIGNAGE AND ASSOCIATED CIRCUITRY TO AN UNAFFECTED APPROPRIATE POWER SOURCE WHERE THE WORK AREA MUST BE MAINTAINED OPEN FOR EGRESS.
8. WHERE CEILINGS ARE REMOVED TEMPORARILY FOR ABOVE-CEILING WORK, REMOVE/STORE OR TEMPORARILY SUPPORT CEILING-MOUNTED DEVICES/EQUIPMENT IN PLACE, REINSTALL AND RECONNECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND/OR AS DIRECTED AFTER COMPLETION OF THE WORK IN THE AREA.
9. REMOVE EACH EQUIPMENT ITEM, DEVICES, AND FIXTURES INDICATED ON DEMOLITION PLANS. REMOVE ALL ASSOCIATED CIRCUITRY BACK TO THE PROTECTIVE DEVICE IN THE PANEL, SWITCHBOARD, OR CONTROLLER, EXCEPT AS OTHERWISE INDICATED.
- a. ASSOCIATED CIRCUITRY IS DEFINED TO INCLUDE ALL RACEWAYS, CONDUCTORS, BOXES, WIRING DEVICES, WALL PLATES, LAMPS, FIXTURES, SWITCHES, STARTERS, SUPPORTS, ETC. WHICH ARE ASSOCIATED WITH THE ITEM TO BE REMOVED.
- b. THE PROTECTIVE DEVICE REMAINS AS AN INTEGRAL PART OF THE EXISTING PANEL OR SWITCHBOARD. LABEL AS SPARE OR USE FOR NEW CIRCUITS AS INDICATED.
- c. WHERE CONDUIT ASSOCIATED WITH AN ITEM TO BE REMOVED IS IN AN INACCESSIBLE AREA SUCH AS WHERE ENCASED IN CONCRETE, ABANDON ONLY THE INACCESSIBLE CONDUIT IN PLACE, UNLESS INDICATED TO BE REUSED. REMOVE ALL CONDUCTORS AND CUT CONDUIT OFF FLUSH, THEN SEAL OR CAP.
- d. WHERE SUCH INACCESSIBLE CONDUIT ENDS OR MUST BE TERMINATED IN FINISHED SPACE, REMOVE THE CONDUIT OR BOX TO BELOW THE FINISHED SURFACE OF WALL, CEILING OR FLOOR, FILL VOID WITH NON-SHRINKING GROUT AND FINISH TO MATCH SURROUNDING SURFACES.
10. WHERE A PORTION OF A CIRCUIT'S LOAD IS SCHEDULED TO BE REMOVED, REMOVE ONLY THAT PORTION ASSOCIATED WITH THE DEMOLISHED DEVICE TO A POINT WHERE THE REMAINING LOAD IS ACTIVE; MAINTAIN IN A GOOD OPERATING CONDITION.
11. WHERE EXTENSION OF AN EXISTING CIRCUIT IS REQUIRED TO MAINTAIN SERVICE, RUN CONDUIT AND WIRE AS INDICATED FROM THE CIRCUIT'S EXISTING LOCATION TO ITS NEW LOCATION.
12. WHERE AN ITEM OF EQUIPMENT IS INDICATED TO BE REMOVED AND RELOCATED, REMOVE ANY CIRCUITRY, SWITCHES, DEVICES, ETC. ASSOCIATED WITH THE EQUIPMENT. RELOCATE THE EQUIPMENT TO THE NEW LOCATION AND PROVIDE CONNECTION OF ALL ASSOCIATED ITEMS TO NEW OR EXTENDED CIRCUITRY AS INDICATED.
13. PROVIDE TEMPORARY AND CONSTRUCTION LIGHTING, INCLUDING EXIT SIGNAGE, AS NEEDED TO MAINTAIN MINIMUM ILLUMINATION LEVELS ALONG THE PATH OF EGRESS.

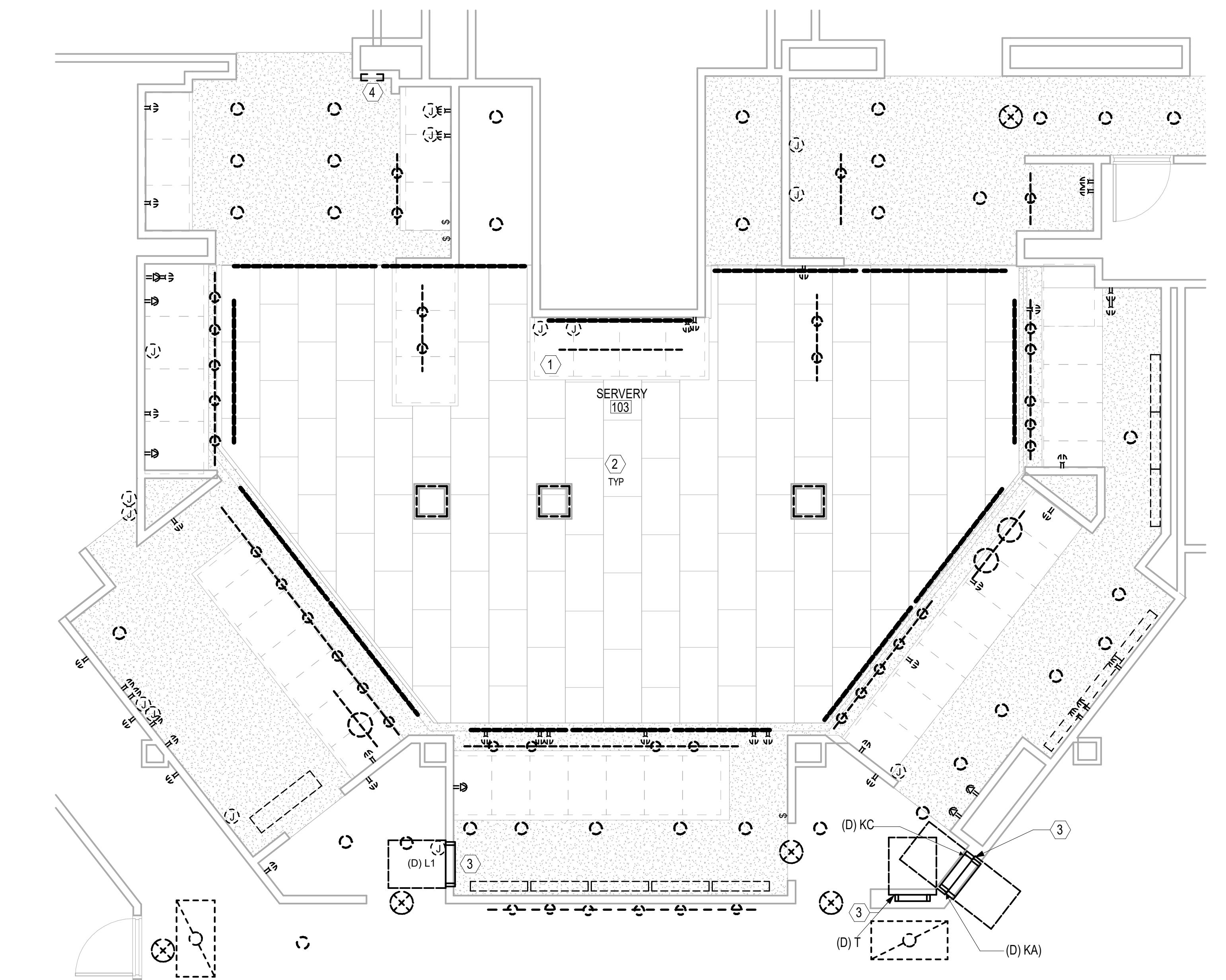
## LIGHTING GENERAL NOTES

1. SEE LUMINAIRE SCHEDULES, LIGHTING CONTROL DIAGRAMS, AND SEQUENCE OF OPERATIONS FOR MORE INFORMATION.
2. UNLESS OTHERWISE NOTED, MOUNTING HEIGHT OF A LUMINAIRE IS TO THE BOTTOM OF THE LUMINAIRE.
3. VERIFY THAT ALL DOOR SWINGS ARE CORRECT BEFORE INSTALLING LIGHT SWITCH OUTLETS.
4. COORDINATE PLACEMENT OF LUMINAIRES ON AND IN CEILINGS WITH ARCHITECTURAL CEILING PLANS AND ALL OTHER CEILING MOUNTED DEVICES FROM OTHER TRADES.
5. COORDINATE THE LOCATIONS AND MOUNTING HEIGHTS OF LUMINAIRES IN MECHANICAL, ELECTRICAL, TELECOM ROOMS AND OTHER SPACES THAT MAY HAVE CONFLICTS, WITH THE FINAL LOCATIONS OF PIPES, DUCTS, RACKS, AND OTHER EQUIPMENT FOR OPTIMAL ARRANGEMENT. LOCATING LUMINAIRES ABOVE EQUIPMENT IS NOT PERMITTED. LOCATE LUMINAIRES TO ENSURE CIRCULATION AROUND EQUIPMENT IS PROPERLY ILLUMINATED AND SO THAT LUMINAIRES ARE EASILY ACCESSIBLE FOR MAINTENANCE.
6. WHERE LIGHT SWITCHES ARE INDICATED TO BE MOUNTED BEHIND A DOOR, MOUNT SUCH SWITCHES A MINIMUM OF 3'-9" FROM HINGED SIDE.
7. SUPPORT LUMINAIRES FROM THE BUILDING STRUCTURE INDEPENDENT OF DUCTS, PIPES, CEILINGS AND THEIR SUPPORT MEMBERS. COORDINATE ALL ELECTRICAL EQUIPMENT WITH ALL OTHER TRADES TO AVOID CONFLICTS. PROVIDE ALL NECESSARY FITTINGS, STRUT CHANNELS, EQUIPMENT, HANGERS, OFFSETS, ROUTING, ETC. TO AVOID CONFLICTS.
8. INSTALL DRIVERS, LOW-VOLTAGE TRANSFORMERS, LIGHTING SYSTEM CONTROL DEVICES, AND SIMILAR LUMINAIRES ACCESSORIES IN ACCESSIBLE LOCATION. PROVIDE ACCESS PANELS AS REQUIRED.
9. PROVIDE ALL ACCESSORIES INCLUDING LED ARRAYS, DRIVERS, TRANSFORMERS, SUPPORTS, AND CIRCUITRY AS NECESSARY FOR A COMPLETE AND OPERATIONAL LIGHTING SYSTEM PER PROJECT REQUIREMENTS.
10. PROVIDE A SEPARATE NEUTRAL FOR EACH SINGLE PHASE LIGHTING CIRCUIT. SHARED NEUTRALS ARE NOT PERMITTED.
11. ENSURE DIMMING DRIVER COMPATIBILITY WITH ASSOCIATED DIMMING CONTROL DEVICES AND ANY BUILDING LIGHTING CONTROL SYSTEM.
12. PROVIDE CONTROLLED EGRESS LIFE SAFETY LIGHTING WITH A UL924 LISTED BY-PASS RELAY DEVICE TO TRANSFER LIFE-SAFETY LIGHTING FROM CONTROLLED NORMAL POWER TO LIFE SAFETY POWER OR A UL924 LISTED SHUNT DEVICE TO TRANSITION CONTROLLED LIFE SAFETY LIGHTING TO FULL OUTPUT.
13. CONNECT EXIT SIGNS AND EMERGENCY LIGHTING UNITS AHEAD OF LOCAL SWITCHING.

## ELECTRICAL ABBREVIATIONS

ELECTRICAL ABBREVIATIONS	
ABBREVIATION	DEFINITION
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
B, CB, CKT BKR	CIRCUIT BREAKER
BAS	BUILDING AUTOMATION SYSTEM
C	CONDUIT
CKT	CIRCUIT
COMM	COMMUNICATIONS
DISC SW	DISCONNECT SWITCH
DS	DISCONNECT SWITCH OR DISTRIBUTION SECTION
E OR EXIST.	EXISTING
ETR	EXISTING TO REMAIN
G	GROUND
GF, GFI	GROUND FAULT CIRCUIT INTERRUPTER
J, JB	JUNCTION BOX
KV	KILOVOLTS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
MB, MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NETA	NATIONAL ELECTRICAL TESTING ASSOCIATION
P	POLE OR PRIMARY
PBD	PANELBOARD
PH	PHASE
PWR	POWER
RCPT OR RECP	RECEPTACLE
SC	SHORT CIRCUIT
SCC	SHORT CIRCUIT CURRENT
SPD	TRANSIENT VOLTAGE SURGE PROTECTIVE DEVICE
ST	SHUNT TRIP CIRCUIT BREAKER
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
TYP	TYPICAL
V	VOLTS
W	WIRE OR WATT
XFMR OR T	TRANSFORMER
Y	WYE CONNECTED





A6 FIRST FLOOR DEMOLITION PLAN - SERVERY  
SCALE: 1/4" = 1'-0"

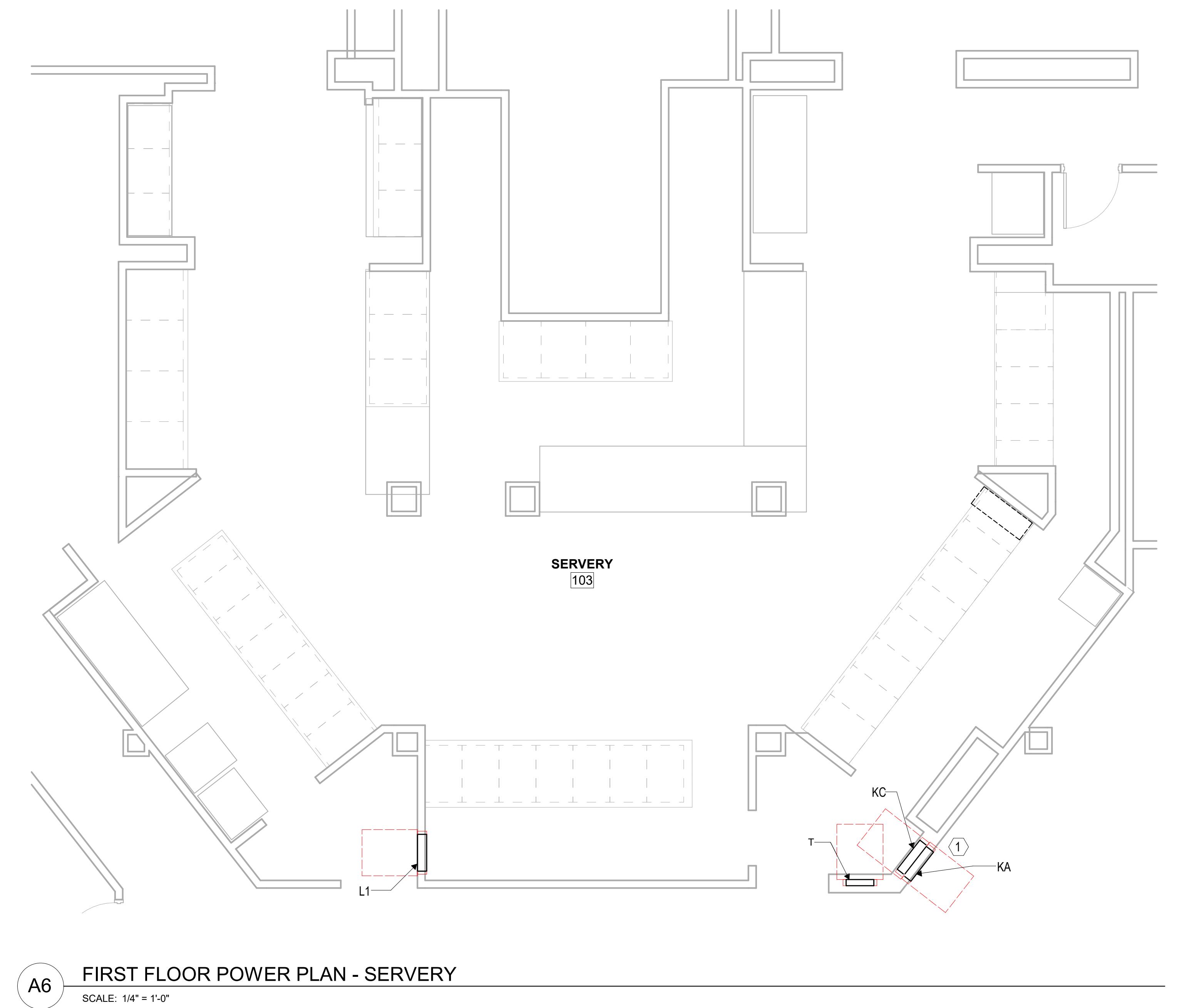
6	5	4	3	2	1
<b>GENERAL SHEET NOTES</b>					
<ol style="list-style-type: none"> <li>DEMOLISH ALL SERVERY LIGHTING UNLESS INDICATED OTHERWISE. DEMOLISH CIRCUITRY BACK TO SOURCE. COORDINATE DEMOLITION OF LIGHTING WITH FUTURE AND CONCURRENT PROJECTS. EXISTING LIGHTING MAY BE UTILIZED FOR TEMPORARY AND CONSTRUCTION LIGHTING WHERE PRACTICAL.</li> <li>DEMOLISH ALL EXISTING RECEPTACLES AND EQUIPMENT CONNECTIONS IN SERVERY BACK TO SOURCE.</li> <li>EQUIPMENT LOCATIONS AND CIRCUITS ARE SHOWN FOR REFERENCE WHERE KNOWN. COORDINATE WITH EXISTING CONDITIONS PRIOR TO STARTING WORK. THE INTENT IS TO DEMOLISH POWER, LIGHTING, DEVICES AND ASSOCIATED CIRCUITRY IN THE AREAS OF WORK WHETHER OR NOT INDICATED ON PLANS.</li> <li>FIELD VERIFY ACTUAL CIRCUIT ASSIGNMENT OF EXISTING LOADS, SPARE CIRCUIT BREAKERS, AND SPACES AVAILABLE IN PANELS AFFECTED BY THIS PROJECT. REFER TO PANEL SCHEDULES ON ED701 AND DEMOLITION ONE-LINE ON ED601 FOR ADDITIONAL INFORMATION.</li> <li>FOR EXISTING CIRCUITS AFFECTED BY DEMOLITION WORK, REMOVE CIRCUITRY BACK TO SOURCE. FOR PANELS THAT WILL REMAIN IN SERVICE, RETAIN CIRCUIT BREAKERS FOR REUSE. CONDUITS IN WALLS OTHERWISE UNAFFECTED BY THIS WORK THAT ARE IN GOOD CONDITION MAY BE RETAINED FOR REUSE WHERE PRACTICAL.</li> <li>REFER TO DEMOLITION LEGEND ON E-001 FOR MORE DETAILS.</li> </ol>					
<b>KEYNOTES</b>					
<p># DEMOLISH EXISTING LIGHTING TRACK.</p> <p>2. SERVERY LIGHTING IS CONTROLLED FROM CENTRAL CONTROL SYSTEM IN OFFICE SPACE. DEMOLISH SERVERY LIGHTING CONTROLS BACK TO THIS SYSTEM. MAINTAIN OPERATION OF LIGHTING CONTROLS FOR ADJACENT SPACES.</p> <p>3. DEMOLISH ALL BRANCH CIRCUITS AND FEEDER BACK TO SOURCE.</p> <p>4. EXISTING ABANDONED PANELBOARD UTILIZED AS A JUNCTION BOX. DEMOLISH WALL TO THE EXTENT REQUIRED TO EXPOSE ENTIRETY OF PANEL ENCLOSURE. GROUND ENCLOSURE. PROVIDE REPLACEMENT COVER WITH LOCK. REPAIR WALL AND PAINT TO MATCH ADJACENT SURFACES.</p>					
<b>KEY PLAN</b>					
<b>GRAPHIC SCALE(S)</b>					
SCALE: 1/4" = 1'-0"					
SHT. NO. ED101 REV. NO. 0					
<b>GEORGIA INSTITUTE OF TECHNOLOGY</b> <b>BRITTAIN HALL</b> <b>ELECTRICAL</b> <b>INFRASTRUCTURE</b> 646 TECHWOOD DR NW, ATLANTA, GA 30330					
COMM NO: 240059 DATE: 4/25/25 DRAWN: RDY DESIGN: RCC CHECK: KW SHEET TITLE FIRST FLOOR DEMOLITION PLAN - SERVERY					
MRK. DATE REVISION DESCRIPTION					





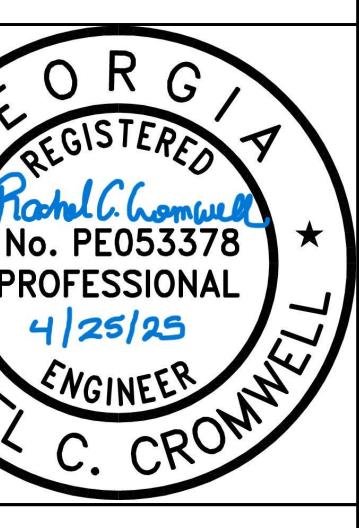






## GENERAL SHEET NOTES

1. REFER TO ONE-LINE DIAGRAM SHEET EP601.
2. EXTEND AND RECONNECT EXISTING CIRCUITS RETAINED DURING DEMOLITION, THAT SERVE ACTIVE LOADS.
3. SEE EP801 FOR SERVERY CONNECTION PLAN FOR REFERENCE. EQUIPMENT CONNECTIONS AND DEVICES PROVIDED IN FUTURE RENOVATION PROJECT.
4. COORDINATE WORK WITH CONCURRENT AND FUTURE PROJECTS IN SERVERY AND ADJACENT KITCHEN AREAS.



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COMM NO: 240059  
DATE: 4/25/25  
DRAWN: RDY DESIGN: RCC  
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SHEET TITLE

FIRST FLOOR POWER  
PLAN - SERVERY

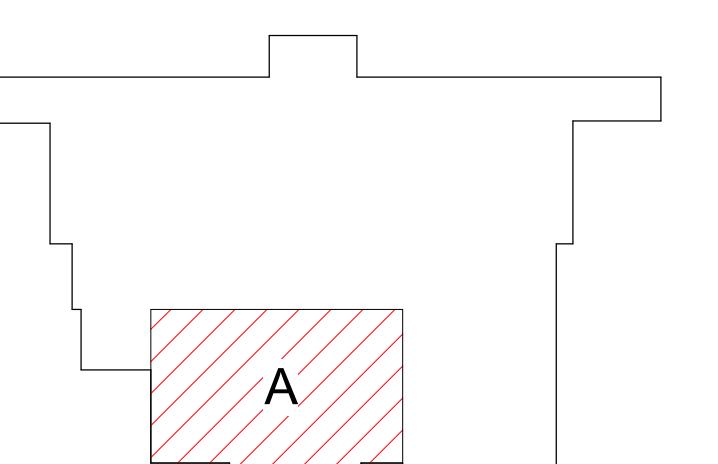
SHT. NO. EP101

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## KEYNOTES

1. RECESS-MOUNT PANELS KA AND KC BACK TO BACK IN THE WALL.

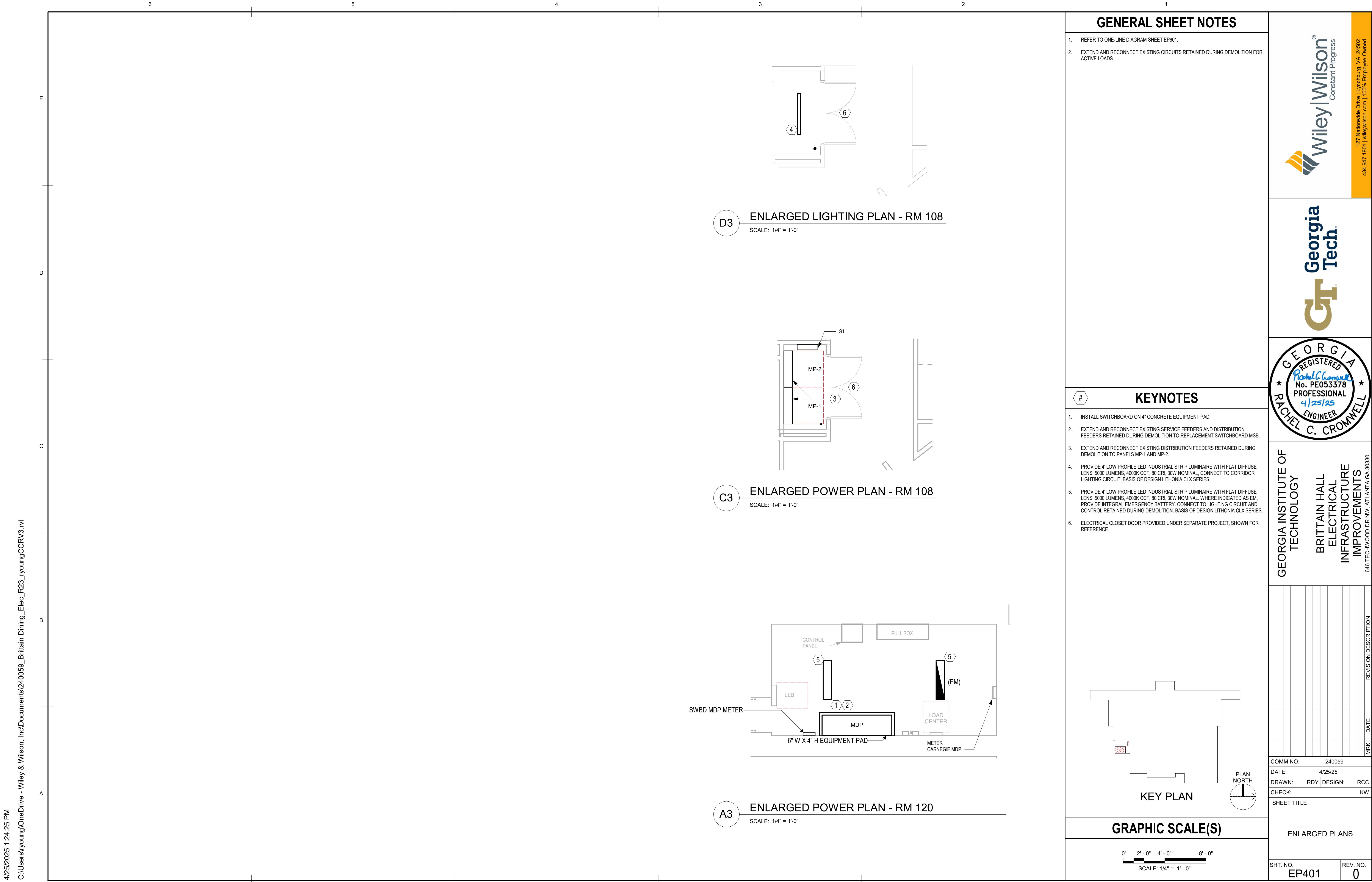
## KEY PLAN

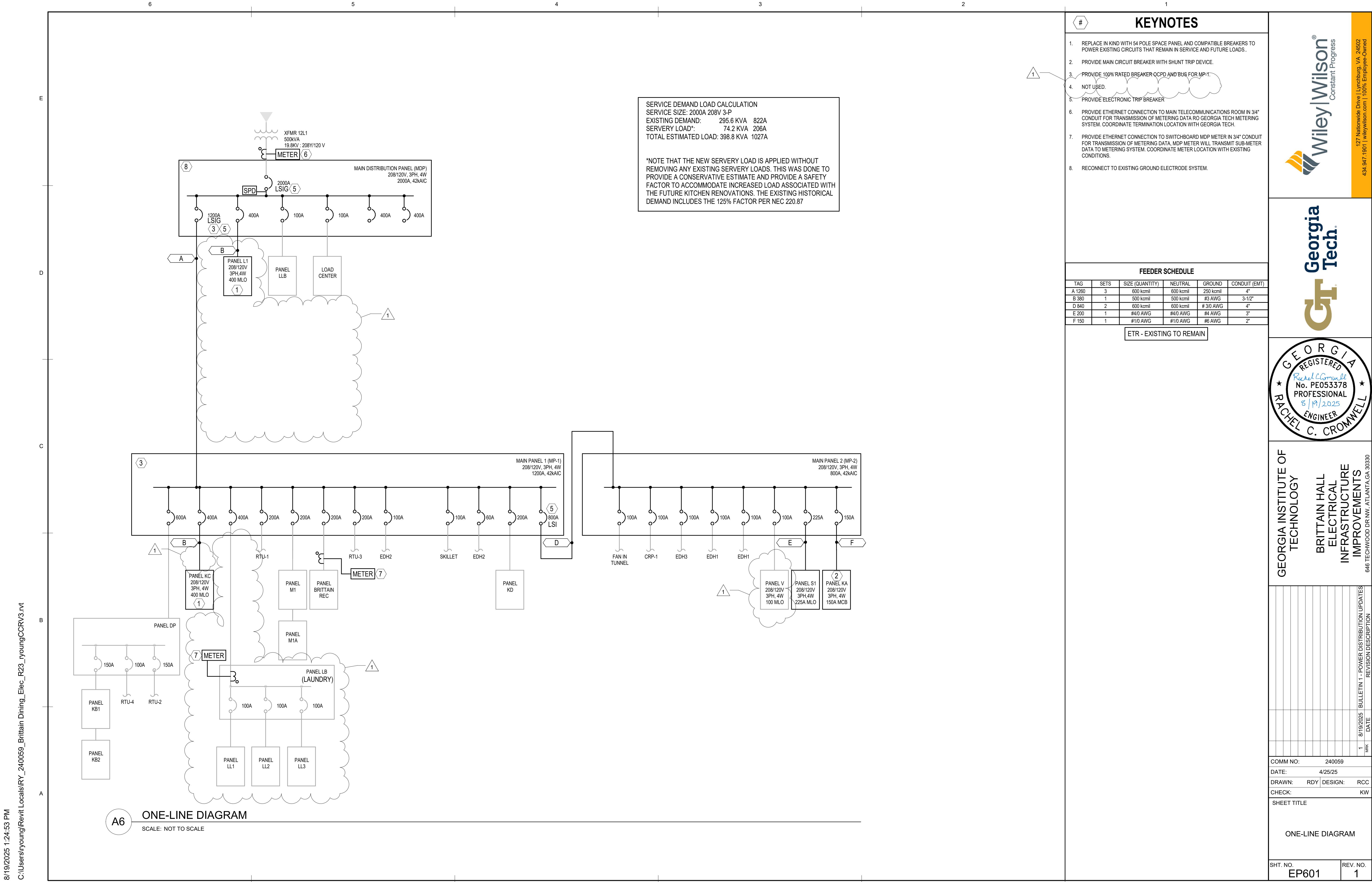


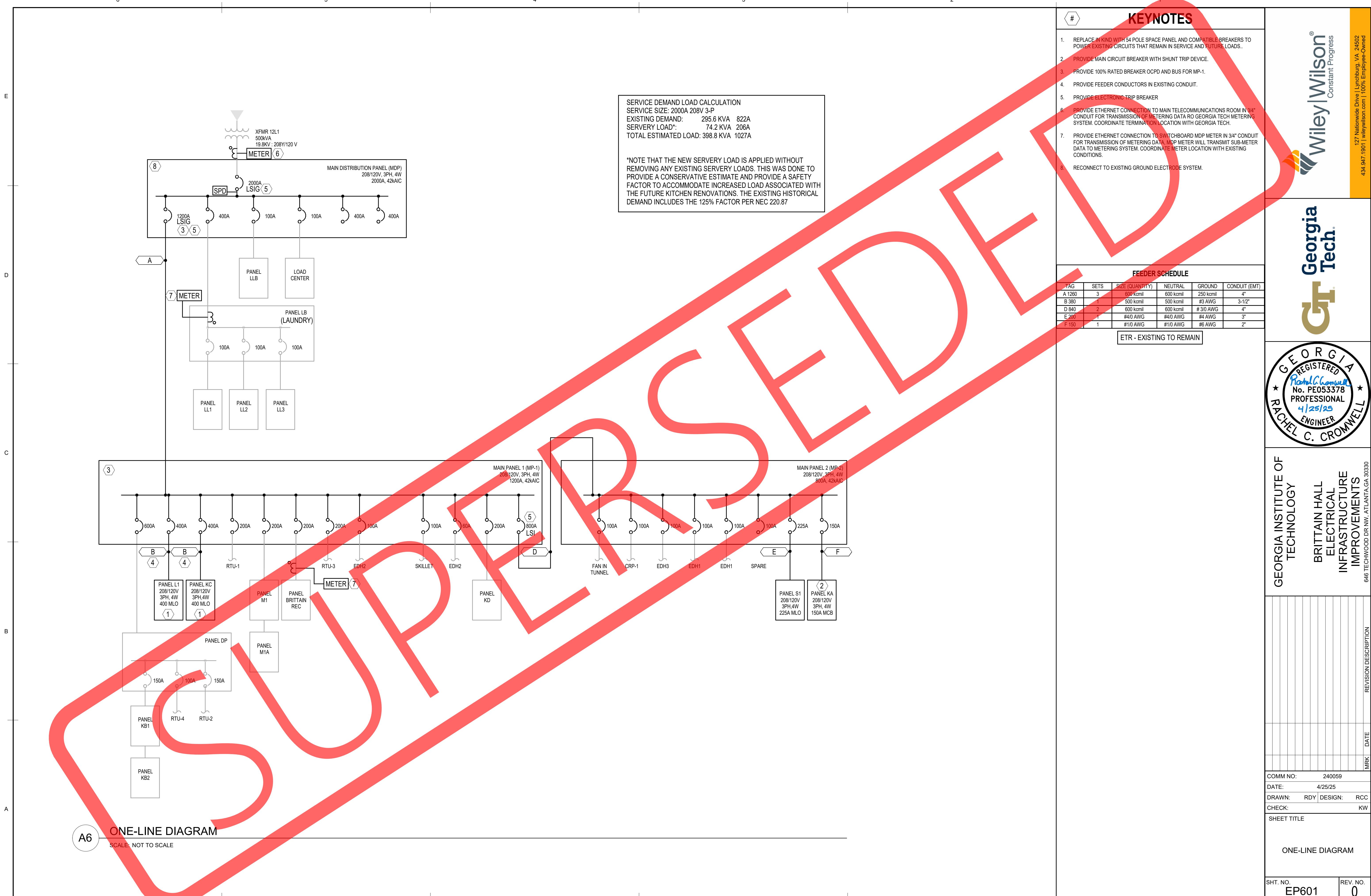
## GRAPHIC SCALE(S)

0' 2' - 0" 4' - 0" 8' - 0"  
SCALE: 1/4" = 1' - 0"

1







## GENERAL SHEET NOTES

1. THE INTENT OF THE PROJECT IS TO PROVIDE THE ELECTRICAL INFRASTRUCTURE FOR THE CONCURRENT AND FUTURE SERVERY RENOVATION WORK. PROVIDE PANELS, FEEDERS, SCHEDULED BREAKERS, AND PROVISIONS INDICATED. BRANCH CIRCUITRY TO LOADS WILL BE PROVIDED IN A SEPARATE PROJECT.

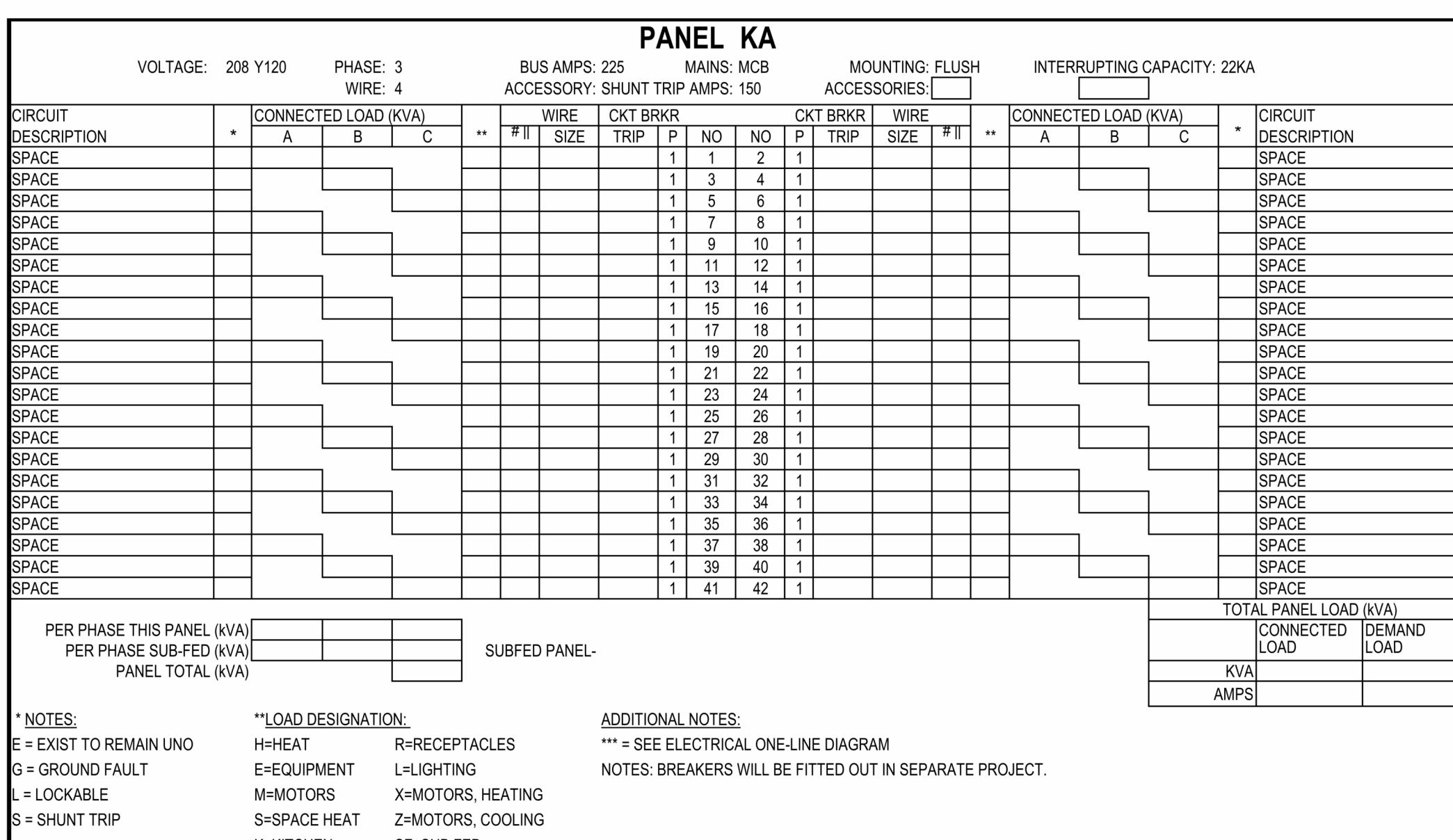
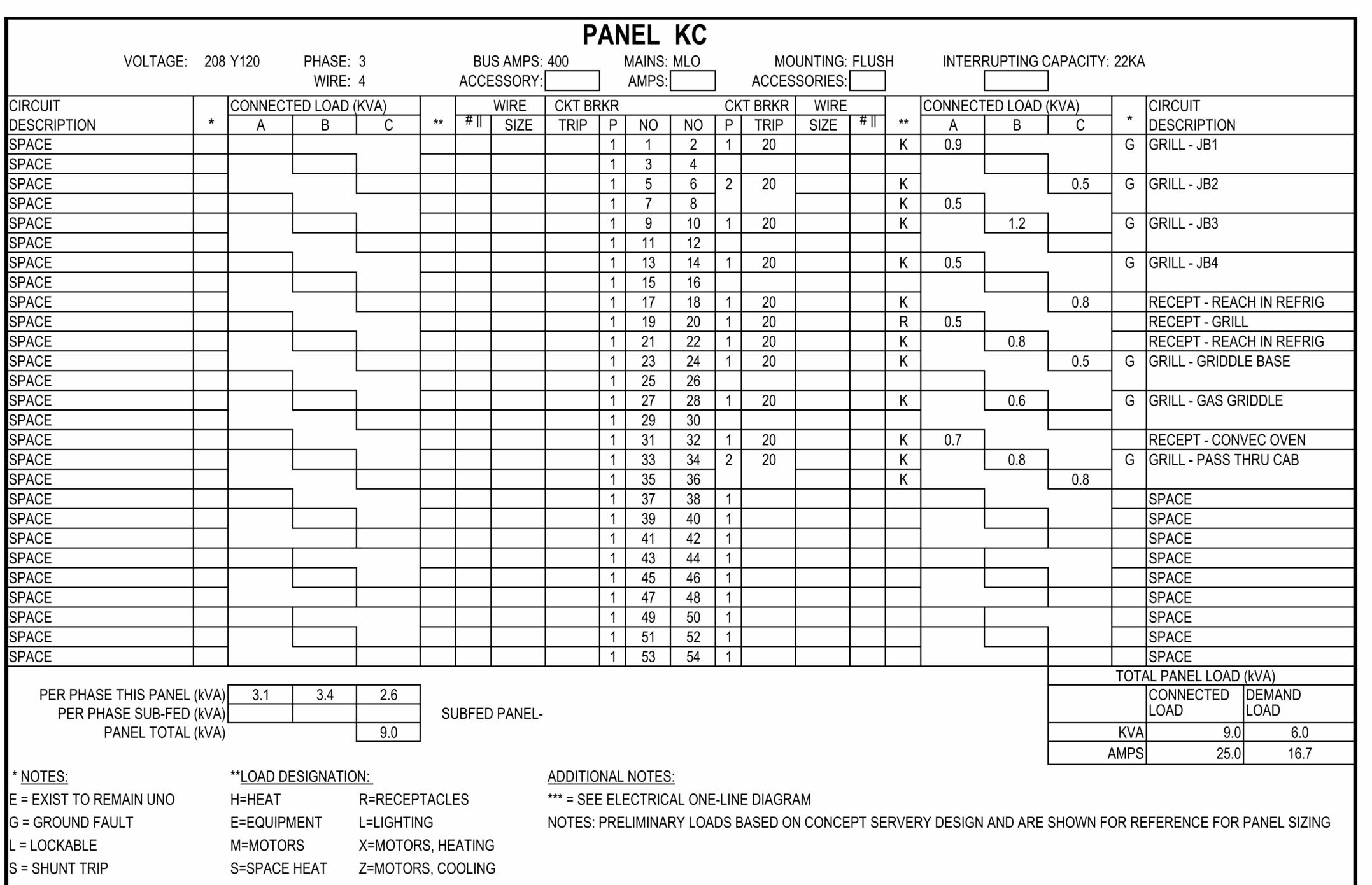
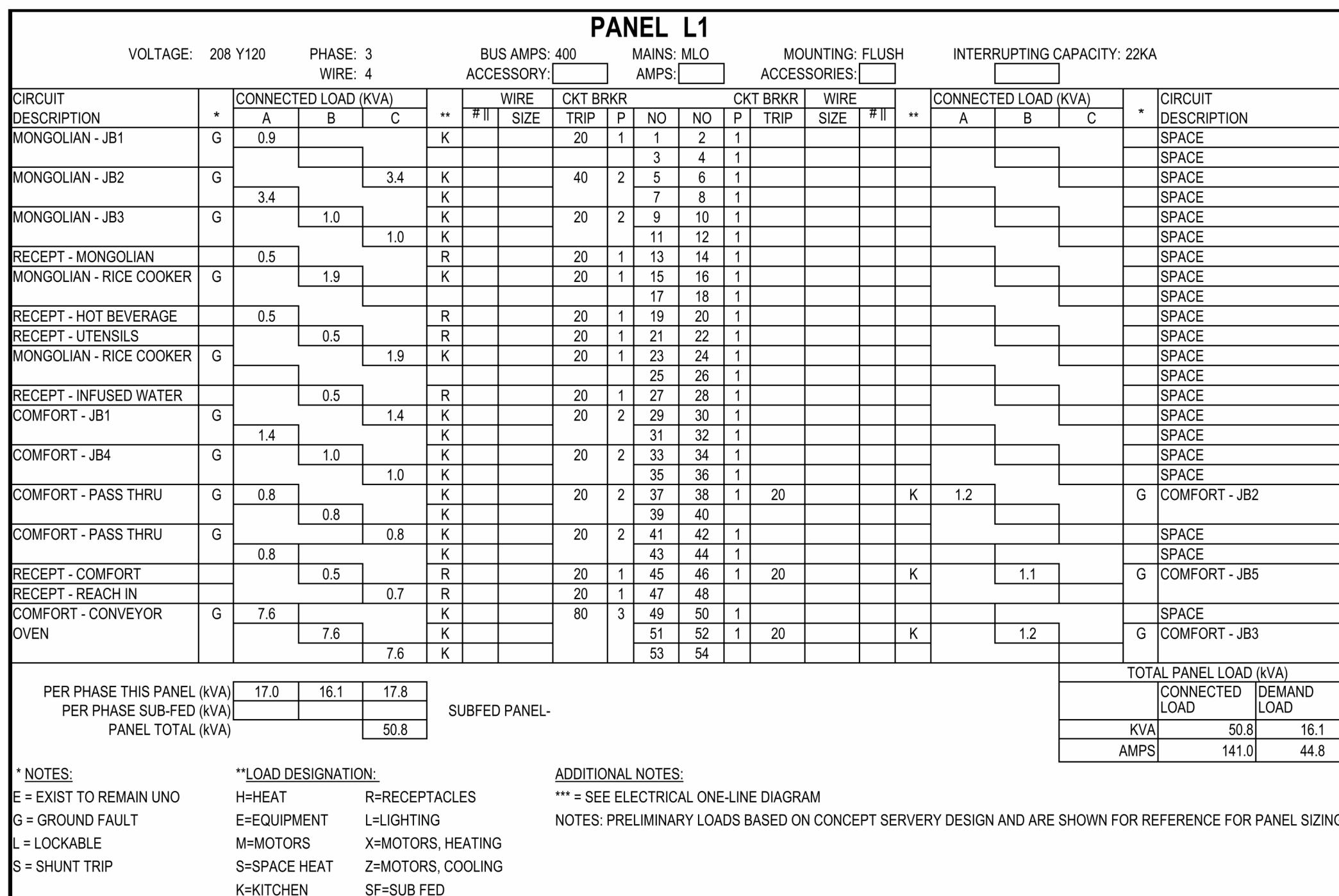
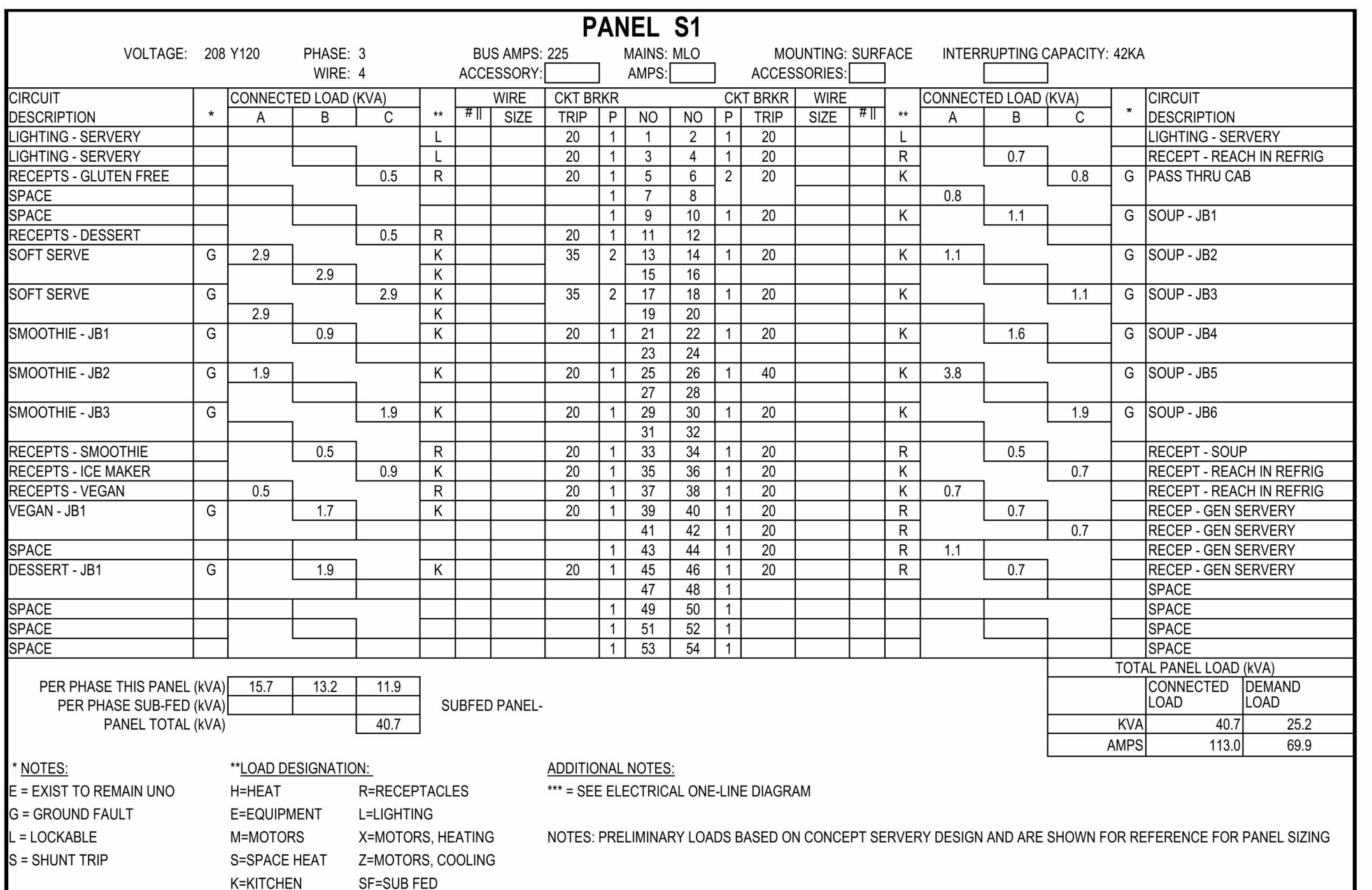
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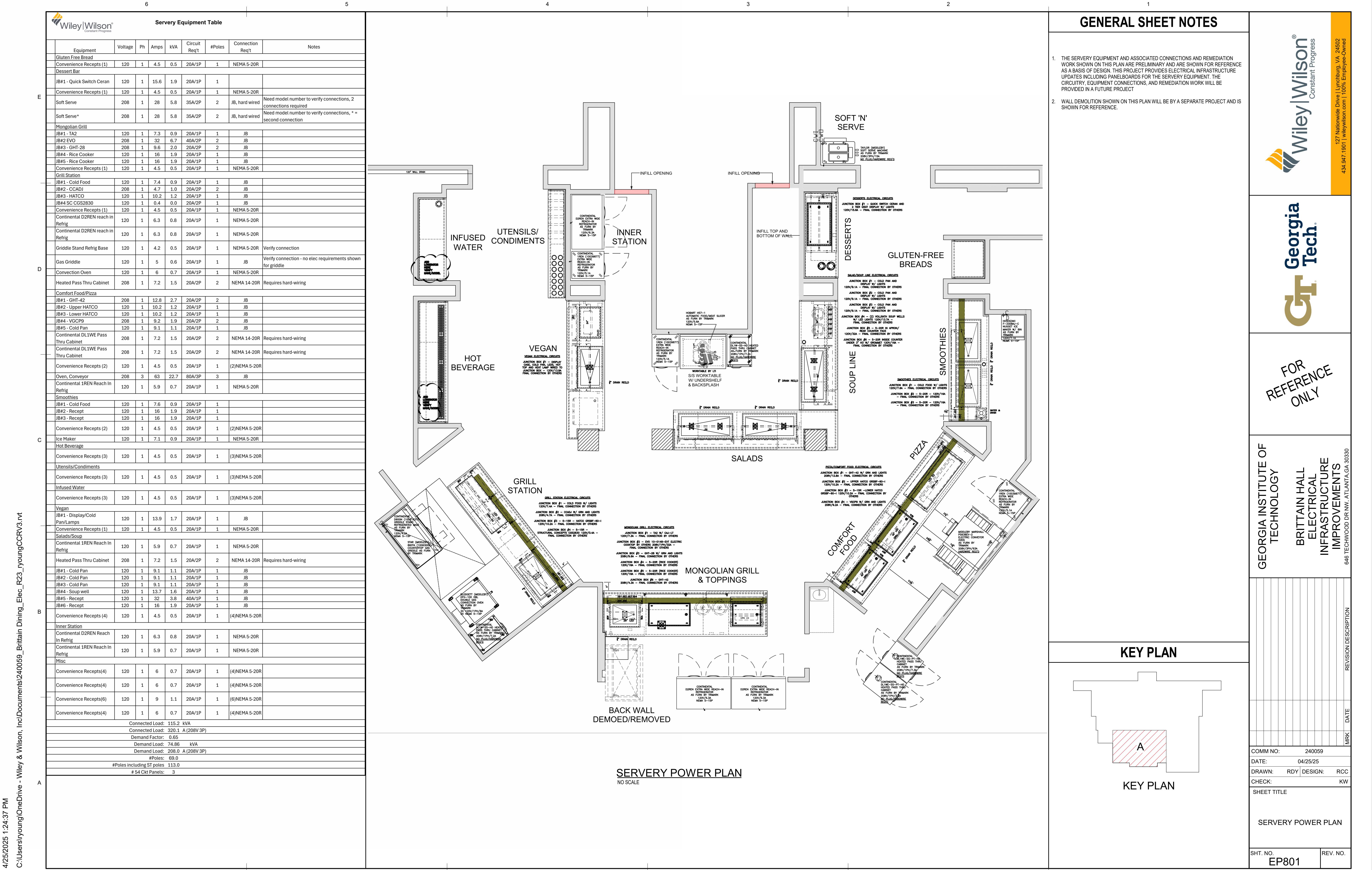
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The Georgia Tech logo, featuring the words "Georgia Tech" in a serif font, with "Georgia" on top and "Tech" on the bottom, and a registered trademark symbol (®) to the right. Below this is a large, gold-colored "GT" monogram.

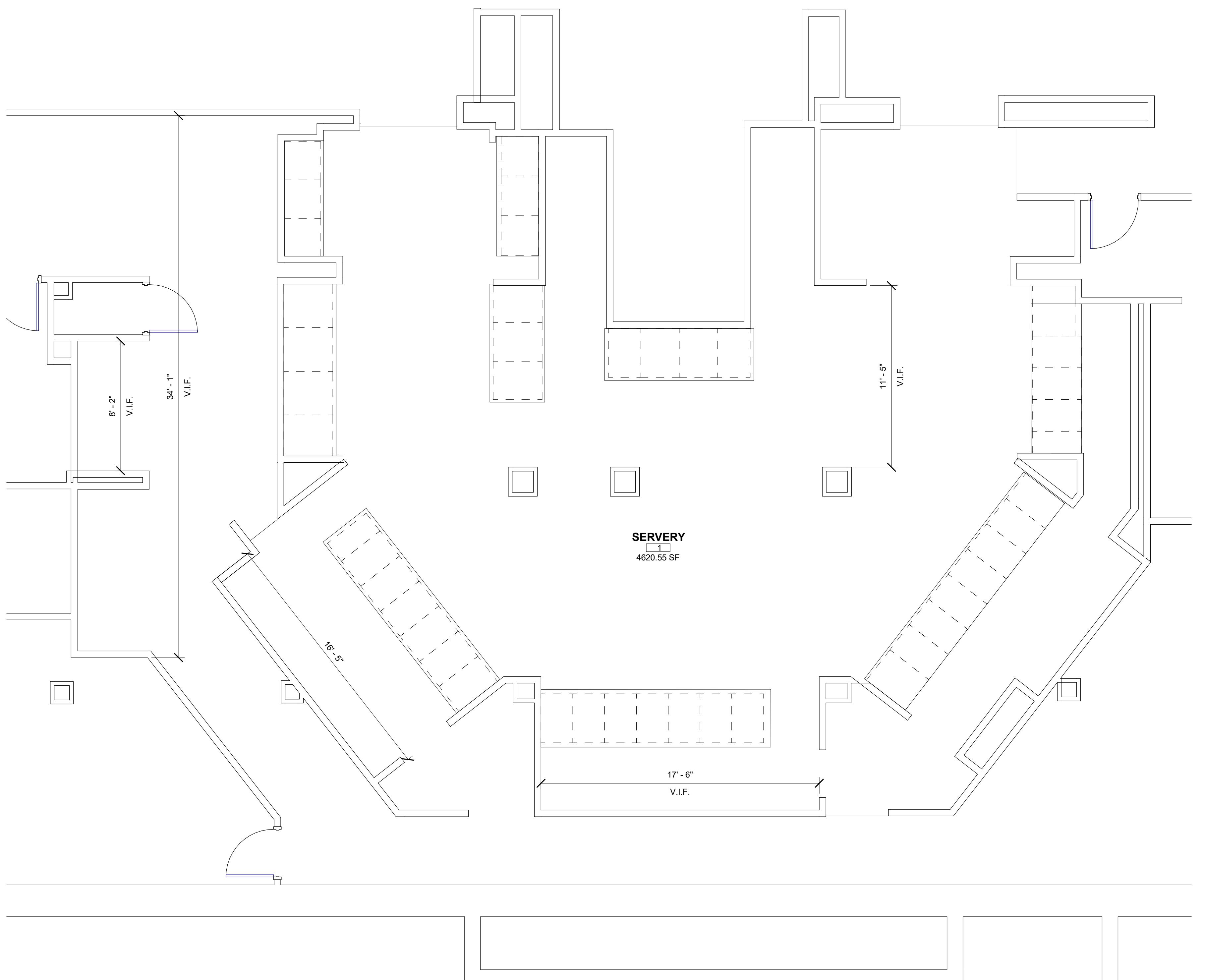
## **INFRASTRUCTURE IMPROVEMENTS**


240059  
4/25/25  
RDY DESIGN: R  
E  
L SCHEDULES  
701 REV. NO. 0









1 FIRST FLOOR PLAN - SERVERY DEMO

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

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5

4

3

2

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## GENERAL SHEET NOTES

- EXISTING CONDITIONS ARE DERIVED FROM EXISTING BUILDING PLANS AND SITE VISITS AND ARE INTENDED TO REASONABLY REPRESENT EXISTING CONDITIONS. ACTUAL CONDITIONS MAY DEVIATE FROM THOSE SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS IN THE FIELD.
- REMOVE DEMOLISHED MATERIALS, DEBRIS, & RUBBISH FROM SITE AS SOON AS PRACTICAL. DO NOT ACCUMULATE DEBRIS ON THE FLOOR OR AT THE SITE.
- PROTECT FROM DAMAGE ALL BUILDING COMPONENTS AND FINISHES TO REMAIN IN PLACE. CONTRACTOR SHALL RESTORE ANY AND ALL DAMAGED AREAS SCHEDULED TO REMAIN THROUGH DEMOLITION AND CONSTRUCTION PHASES TO ORIGINAL CONDITION, TYPICAL.
- PATCH AND REPAIR ALL ETR PARTITIONS, AND AREAS DISTURBED BY CONSTRUCTION AND/OR DEMOLITION FOR NEW WORK AND FINISHES.
- REFERENCE OTHER DISCIPLINES FOR ADDITIONAL INFORMATION. ANY CONFLICT WITH FIELD CONDITIONS, DRAWINGS AND/OR OTHER TRADES SHALL BE REPORTED IMMEDIATELY UPON DISCOVERY FOR CLARIFICATION PRIOR TO PROCEEDING WITH ASSOCIATED WORK.
- SCRAPE, CLEAN, AND PREP EXTERIOR BUILDING SURFACES TO RECEIVE PAINT.
- DO NOT DEMOLISH EXISTING WORK THAT IS NOT IN CONFLICT WITH THE NGC USES - ALL SUCH MATERIAL IS TO BE LEFT IN-PLACE. THIS INCLUDES EXTERIOR EQUIPMENT AND/OR TANKS, AND ELEMENTS WITHIN THE BUILDINGS, WHETHER FUNCTIONAL OR NOT.
- SHEET PROVIDED FOR REFERENCE ONLY. WORK WILL BE PERFORMED UNDER A SEPARATE CONTRACT.

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REFERENCE  
ONLY

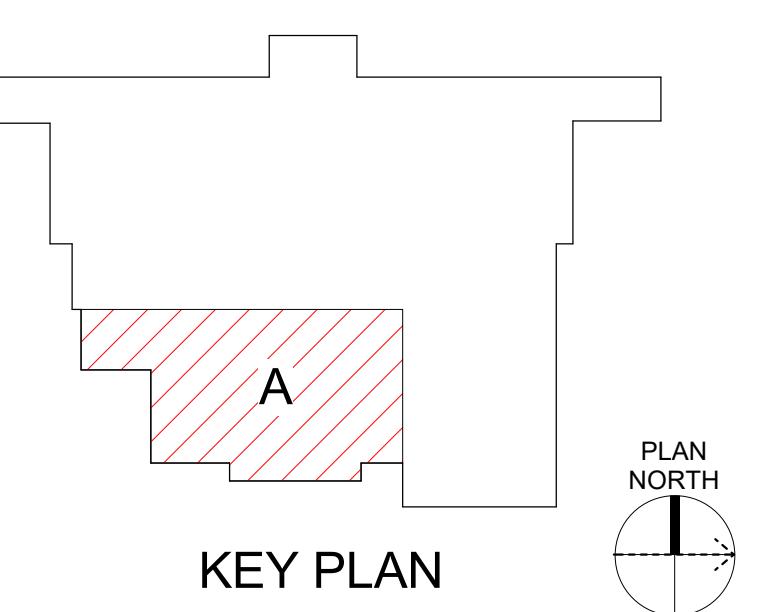
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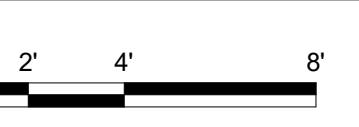
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## DEMOLITION KEYNOTES

## KEY PLAN



## GRAPHIC SCALE(S)



FIRST FLOOR PLAN -  
SERVERY DEMO

SHT. NO. AD101A REV. NO.

1

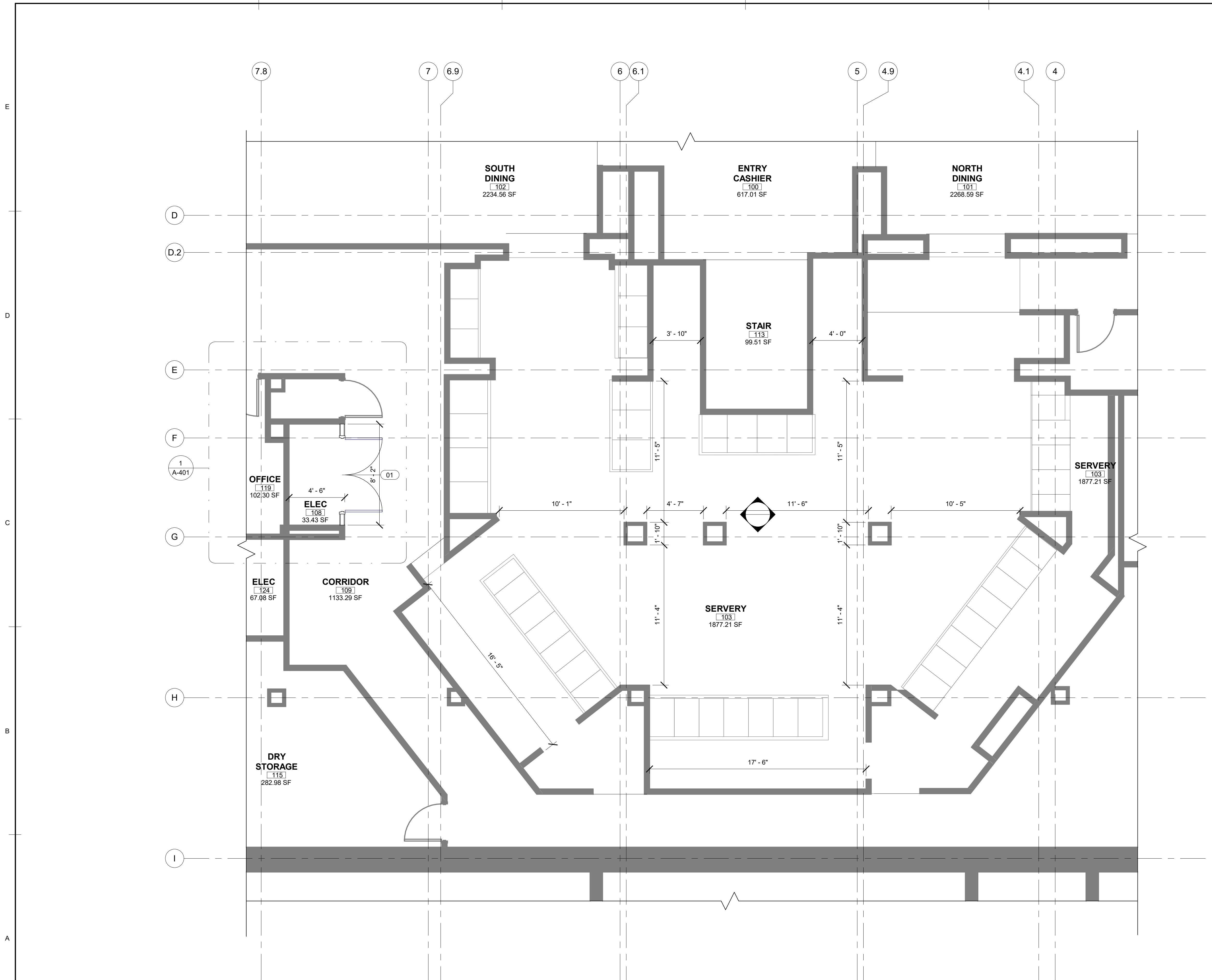
COMM NO: 240059  
DATE: 11/21/2024  
DRAWN: ACA DESIGN: NXE  
CHECK: GEM  
SHEET TITLE

PLAN  
NORTH

0' 2' 4' 8'

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





## GENERAL SHEET NOTES

- MENSIONS FOR NEW CONSTRUCTION ARE FROM CENTERLINE OF  
UD OR FACE OF MASONRY UNLESS OTHERWISE NOTED.  
FER TO LIFE SAFETY DRAWINGS FOR ASSEMBLY FIRE RATINGS;  
FER TO DETAIL SHEETS FOR PENETRATION DETAILS.  
FER TO PARTIAL AND ENLARGED FLOOR PLANS A-401 ENLARGED  
ANS FOR ADDITIONAL ROOM TAGS, WALL TYPE TAGS, DOOR  
NUMBER TAGS, AND WALL DIMENSIONS  
ERENCE OTHER DISCIPLINES FOR ADDITIONAL INFORMATION.  
Y CONFLICT WITH FIELD CONDITIONS, DRAWINGS AND/OR  
HER TRADES SHALL BE REPORTED IMMEDIATELY UPON  
COVERY FOR CLARIFICATION PRIOR TO PROCEEDING WITH  
OCIATED WORK.  
MOVE ANY APPURTENANCES ATTACHED TO WALLS, REMOVE  
NDOW BLINDS, ECT. PRIOR TO PREPARATION OF NEW FINISHES.  
PICAL IN ALL EXISTING TO REMAIN OFFICE SPACES.  
OVIDE CONCEALED FIRE RETARDANT WOOD BLOCKING AS  
QUIRED IN ALL WALLS SUPPORTING SHELVES, CABINETS,  
ARKER BOARDS, TV'S, AND ETC. REFER TO DETAILS AND PLANS  
R EXTENT.  
MENSIONS FOR EXISTING TO REMAIN WALLS ARE FROM FACE OF  
NISHED ASSEMBLY.  
EXISTING CONDITIONS ARE DERIVED FROM EXISTING BUILDING  
ANS AND SITE VISITS AND ARE INTENDED TO REASONABLY  
PRESENT EXISTING CONDITIONS. ACTUAL CONDITIONS MAY  
VIAVE FROM THOSE SHOWN ON THE DRAWINGS. VERIFY ALL  
RITICAL DIMENSIONS IN THE FIELD  
EET PROVIDED FOR REFERENCE ONLY. WORK WILL BE  
RFORMED UNDER A SEPARATE CONTRACT.



FOR  
REFERENCE  
ONLY

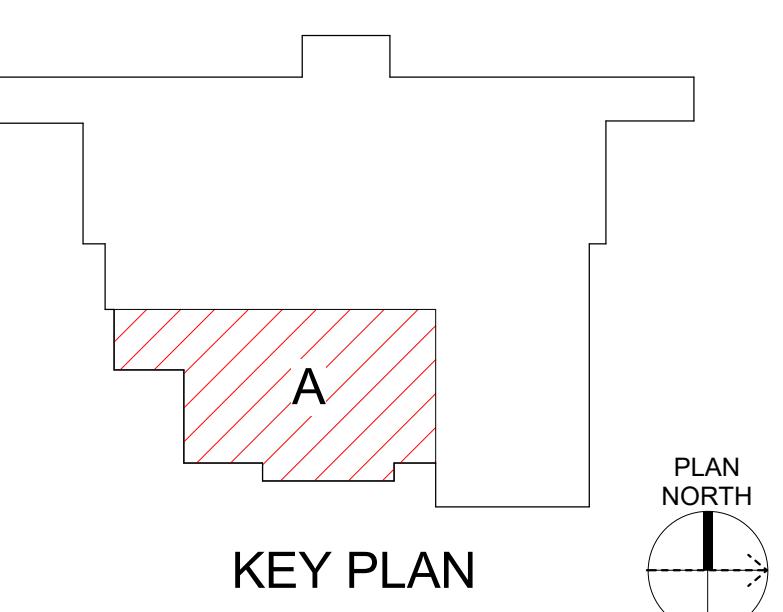
## NEW WORK KEYNOTES

- |  |       |
|--|-------|
| STALL 2X2 ACT CEILING<br>MECHANICAL, REFERENCE MECHANICAL<br>DWGS, TYP | A-13  |
| IGHTING, REFERENCE ELECTRICAL DWGS,<br>/P                              | EL1   |
| ENDING NOT IN SCOPE, REFER TO SHEET<br>801 FOR VENDING EQUIPMENT       | A-801 |

# GEORGIA INSTITUTE OF TECHNOLOGY

# BRITTAIN HALL ELECTRICAL INFRASTRUCTURE IMPROVEMENTS

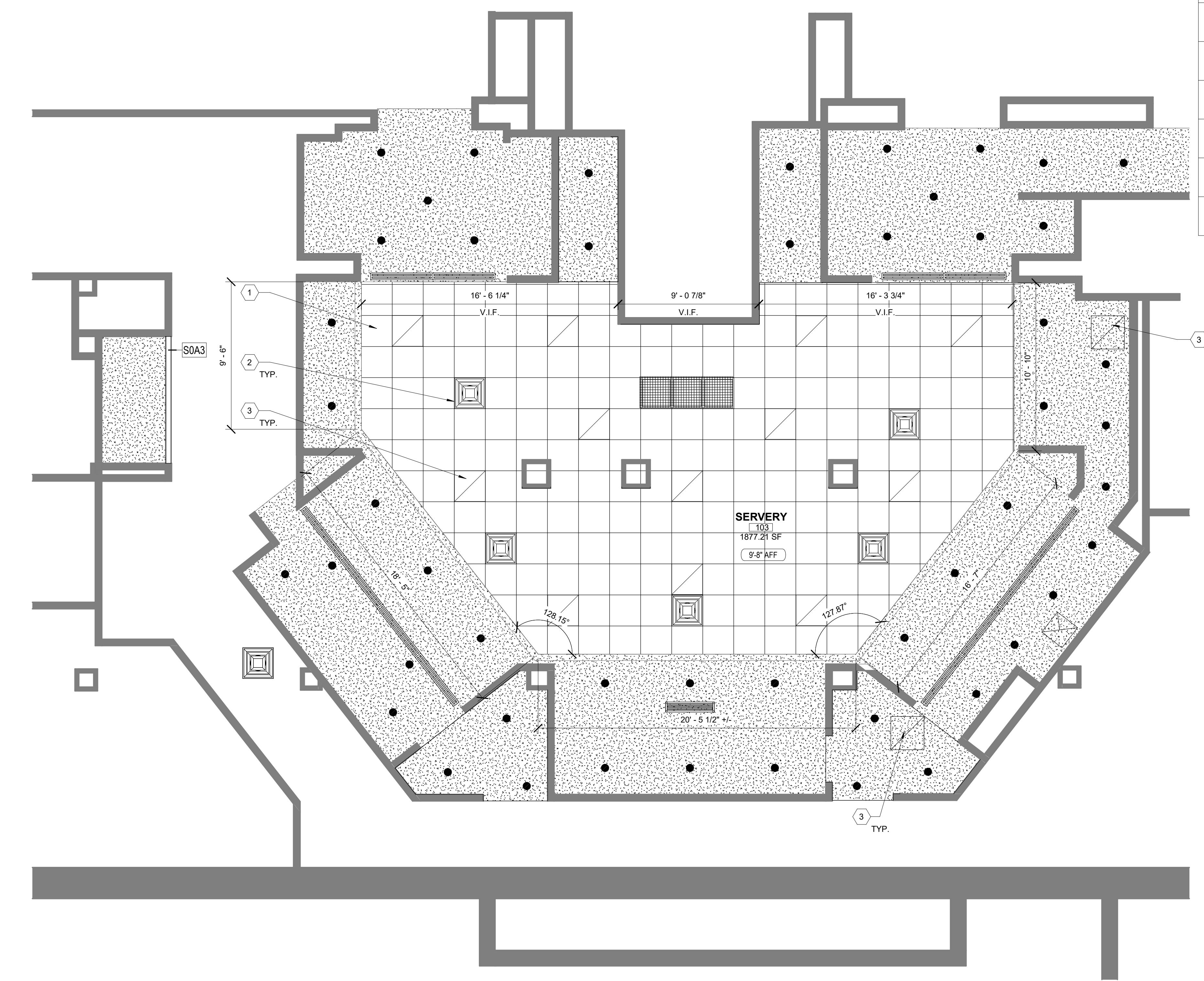
## KEY PLAN



## GRAPHIC SCALE(S)

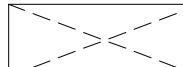
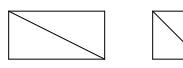
## FIRST FLOOR PLAN -

HT. NO. A-101A REV. N



# 1 FIRST FLOOR RCP

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

REFLECTED CEILING PLAN LEGEND	
SYMBOL	DESCRIPTION
	AREA NOT IN CONTRACT
	NO CEILING - EXPOSED TO ROOF DECK ABOVE.
	2' - 0" X 2' - 0" ACOUSTICAL CEILING TILE.
	GYPSUM BOARD CEILING.
(X'-X")	FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
	LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.
	EMERGENCY LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.
	EXIT SIGN. REFER TO ELECTRICAL DRAWINGS.
	OCCUPANCY SENSOR. REFER TO ELECTRICAL DRAWINGS.
	CEILING SUPPLY DIFFUSER. REFER TO MECHANICAL DRAWINGS.
	CEILING RETURN OR EXHAUST. REFER TO MECHANICAL DRAWINGS.

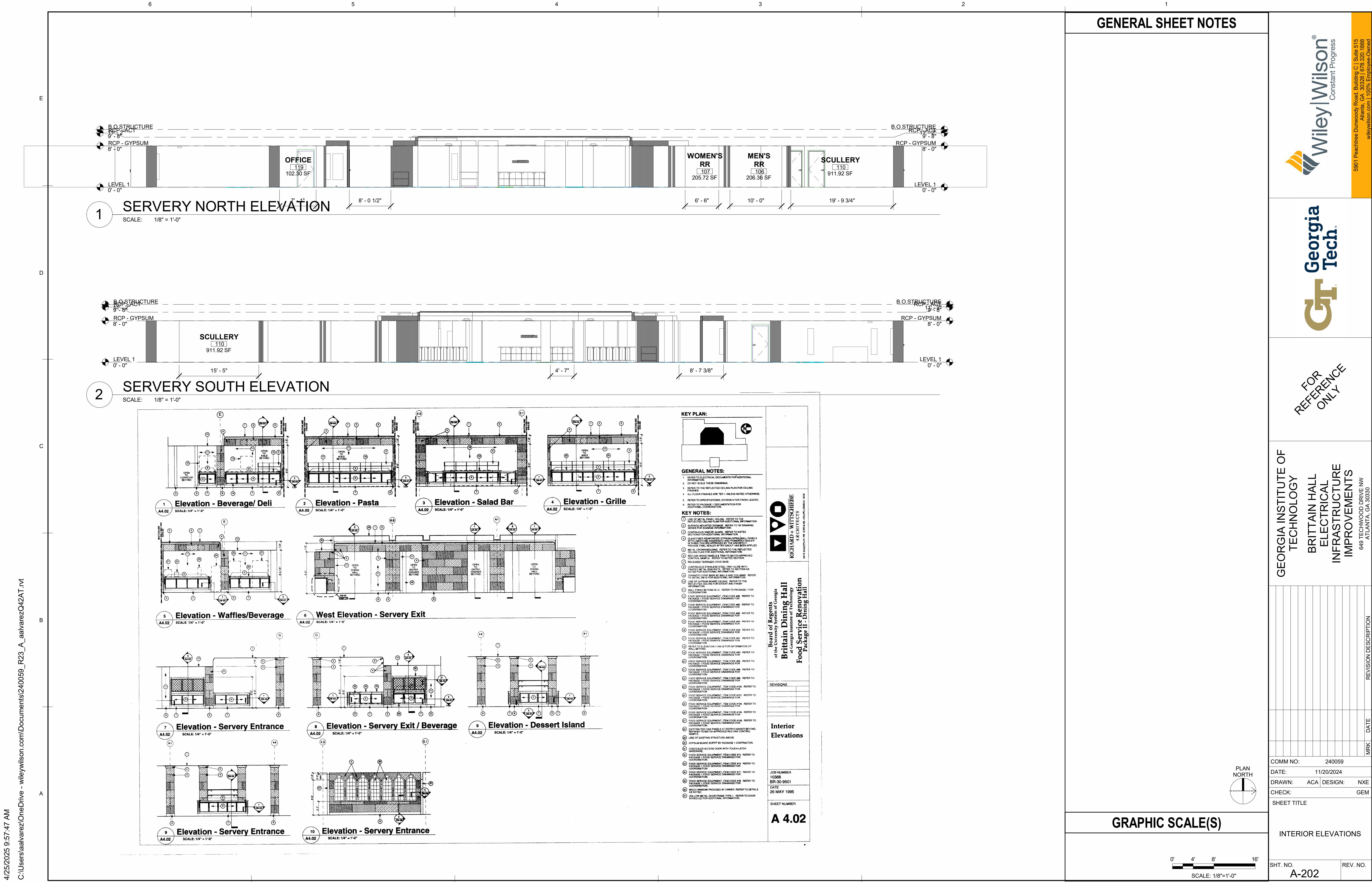
## GENERAL SHEET NOTES

- 1 DIMENSIONS FOR NEW CONSTRUCTION ARE FROM CENTERLINE OF STUD OR FACE OF MASONRY UNLESS OTHERWISE NOTED.  
DIMENSIONS FOR EXISTING TO REMAIN WALLS ARE FROM FACE OF FINISHED ASSEMBLY
  - 2 EXISTING CONDITIONS ARE DERIVED FROM EXISTING BUILDING PLANS AND SITE VISITS AND ARE INTENDED TO REASONABLY REPRESENT EXISTING CONDITIONS. ACTUAL CONDITIONS MAY DEVIATE FROM THOSE SHOWN ON THE DRAWINGS. VERIFY ALL CRITICAL DIMENSIONS IN THE FIELD.
  - 3 PATCH AND REPAIR EXISTING TO REMAIN CEILINGS AS NECESSARY FOR ABOVE-CEILING WORK, MATCH ADJACENT SURFACES WITH FLUSH FINISH & R-13 BATT INSULATION ABOVE, TYP
  - 4 COORDINATE ALL CEILING SYSTEMS WITH ALL WORK SHOWN ON THE MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE-PROTECTION DRAWINGS FOR ALL CEILING MOUNTED EQUIPMENT, FIXTURES, DIFFUSERS, ETC. ANY CONFLICT WITH FIELD CONDITIONS, DRAWINGS AND/OR OTHER TRADES SHALL BE REPORTED IMMEDIATELY UPON DISCOVERY FOR CLARIFICATION PRIOR TO PROCEEDING WITH ASSOCIATED WORK.
  - 6 REFER TO PARTIAL RCP <A-XXX> FOR ADDITIONAL ROOM TAGS AND CEILING HEIGHTS.
  - 7 PROVIDE SAG RESISTANT GYPSUM BOARD ON ALL CEILINGS AND SOFFITS. PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL RESTROOMS UNLESS NOTED OTHERWISE. PROVIDE 5/8" TYPE "X" GYPSUM BOARD ON ALL FIRE-RATED ASSEMBLIES. FOLLOW ASTM C840 AND USG GYPSUM CONSTRUCTION HANDBOOK FOR THE INSTALLATION AND RECOMMENDED LOCATIONS OF CONTROL JOINTS IN GYPSUM BOARD CEILINGS AND SOFFITS.
  - 8 PROVIDE TYPICAL ANNUAL INSPECTION AND CERTIFICATION OF EXISTING BRIDGE CRANES, ALL OF WHICH ARE ASSUMED TO BE IN GOOD WORKING ORDER.
  - 9 CONTRACTOR TO ENSURE THAT LENSES IN LIGHTING FIXTURES ARE CLEAN AND FREE OF DUST, DIRT AND SMUDGES. PLASTIC AND LABELS SHALL BE REMOVED FROM ALL LIGHT FIXTURES AT PROJECT COMPLETION.
  - 10 SHEET PROVIDED FOR REFERENCE ONLY. WORK WILL BE PERFORMED UNDER S SEPARATE CONTRACT.

FOR  
REFERENCE  
ONLY

The Georgia Tech logo is displayed vertically. It features the word "Georgia" in a blue serif font above the word "Tech" in a larger, bold blue serif font. A registered trademark symbol (®) is positioned to the right of "Tech". Below this text is the Georgia Tech Yellow Jacket logo, which consists of a yellow 'G' and a yellow 'T' interlocking to form a 'J' shape, with a registered trademark symbol (®) to its right.

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Constant Progress

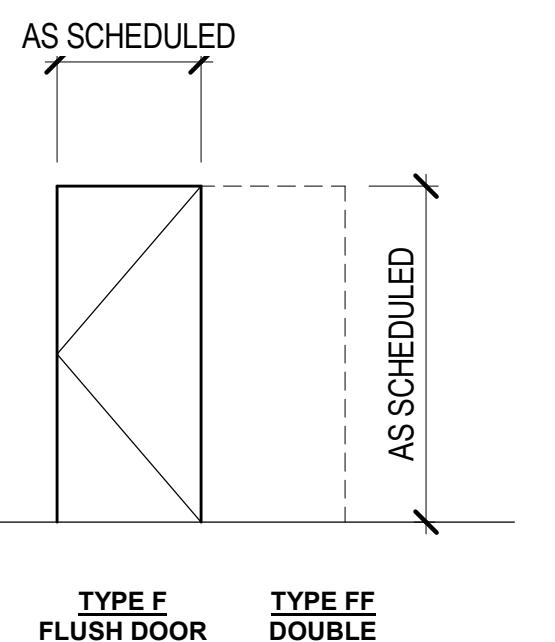




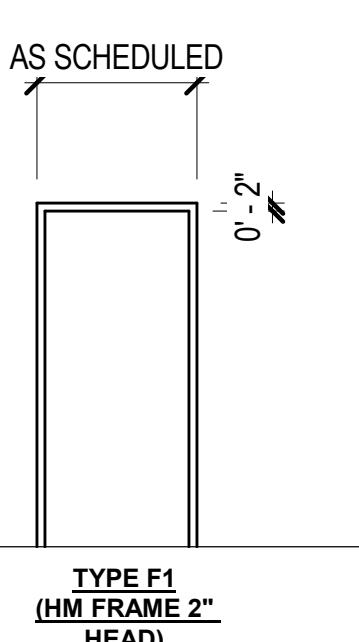
## GENERAL SHEET NOTES

- 1 ALL EXTERIOR HOLLOW METAL DOORS SHALL BE INSULATED AND WEATHER STRIPPED. EXTERIOR DOOR U-VALUES MUST HAVE 0.45 MAX OPERABLE U-VALUE. (DOOR ASSEMBLY U-VALUE)
  - 2 WALL PARTITIONS STC RATING TAKES PRECEDENCE OVER DOOR OPENING STC RATING. DOORS ACHIEVING STC RATINGS MAY ALSO REQUIRE COMPLIANCE WITH UL DESIGN FIRE RATINGS. THE NECESSITY FOR STC COMPLIANCE, FIRE RATING COMPLIANCE OR BOTH ARE INDICATED WITHIN THE DOOR SCHEDULE.
  - 3 ALL INTERIOR DOORS MUST BE A MINIMUM STC 35 EVEN IF NO STC RATING IS INDICATED IN SCHEDULE.
  - 4 ACOUSTIC REQUIREMENTS EXCEEDING THE CAPABILITIES OF A STANDARD STC RATED DOOR WITH ACOUSTIC DOOR HARDWARE MUST BE A PREFABRICATED DOOR INCLUDING A PREASSEMBLED DOOR, FRAME AND SPECIFIED DOOR HARDWARE.
  - 5 SWINGING DOOR SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY MUST CONFORM TO REQUIREMENTS OF ADA 404.2.1. DOORS MUST HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. TEMPERED GLASS DOORS WITHOUT STILES AND HAVING A BOTTOM RAIL OR SHOE WITH THE TOP LEADING EDGE TAPERED AT 60 DEGREES MINIMUM FROM THE HORIZONTAL MUST NOT BE REQUIRED TO MEET THE 10" BOTTOM SMOOTH REQUIREMENT.
  - 6 WHERE A DOOR IS LOCATED NEAR A CORNER OF A ROOM OR PERPENDICULAR TO A WALL AND IS NOT LOCATED BY DIMENSION ON PLAN OR DETAILS, DIMENSION SHALL BE 4" FROM FACE OF STALL (WALL) TO FACE OF ROUGH OPENING. DIMENSION SHALL BE 6" FROM FACE OF WALL TO EDGE OF ROUGH OPENING AT CONCRETE WALLS AND 8" FROM FACE OF WALL TO EDGE OF ROUGH OPENING AT CMU WALLS, U.N.O.
  - 7 THE FINISH ELEVATIONS OF EXIT LANDINGS SHALL NOT EXCEED A MAXIMUM OF 1/2" BELOW THRESHOLDS.
  - 8 ALL LOCKING EXIT DOORS ARE TO HAVE EXIT DEVICES (PANIC HARDWARE) AND MUST SWING IN THE DIRECTION OF EGRESS.
  - 9 ALL HOLLOW METAL FRAMES SHALL BE FACTORY PRIME FINISHED AND PAINTED IN THE FIELD.
  - 10 ALL HOLLOW METAL FRAMES WITH STC RATINGS OF 45 OR GREATER SHALL BE FILLED TO COMPLY WITH ICS-705 SOUND INSULATION REQUIREMENTS. ACOUSTICAL SEALS AROUND FRAME AND ON THE FLOOR AS REQUIRED. DOUBLE DOORS AND UNEVEN PAIR DOORS SHALL NOT HAVE A CENTER MULLION.
  - 12 VERIFY AND COORDINATE ALL KEYING WITH THE END USER.
  - 13 PROVIDE BACKER ROD AS REQUIRED AND CONTINUOUS CAULK SEALANT COMPLETELY AROUND ALL FRAMES.
  - 14 SHEET PROVIDED FOR REFERENCE ONLY. WORK WILL BE PERFORMED UNDER S SEPARATE CONTRACT.

DOOR SCHEDULE																	
DOOR No.	From Room: Number	From Room: Name	To Room: Number	To Room: Name	DOOR PANEL				FRAME				STC RATING	HARDWARE SET No.	COMMENTS		
					TYPE	SIZE			MATL	FINISH	TYPE	MATL	FINISH	DETAILS			
						WIDTH	HEIGHT	THICKNESS						HEAD	JAMB	SILL	
01	108	FL EC	109	CORRIDOR	FF	6' - 0"	7' - 0"	1 3/4"	HM	PT	FF	HM	PT	B6 / A-400	B4 / A-400		1

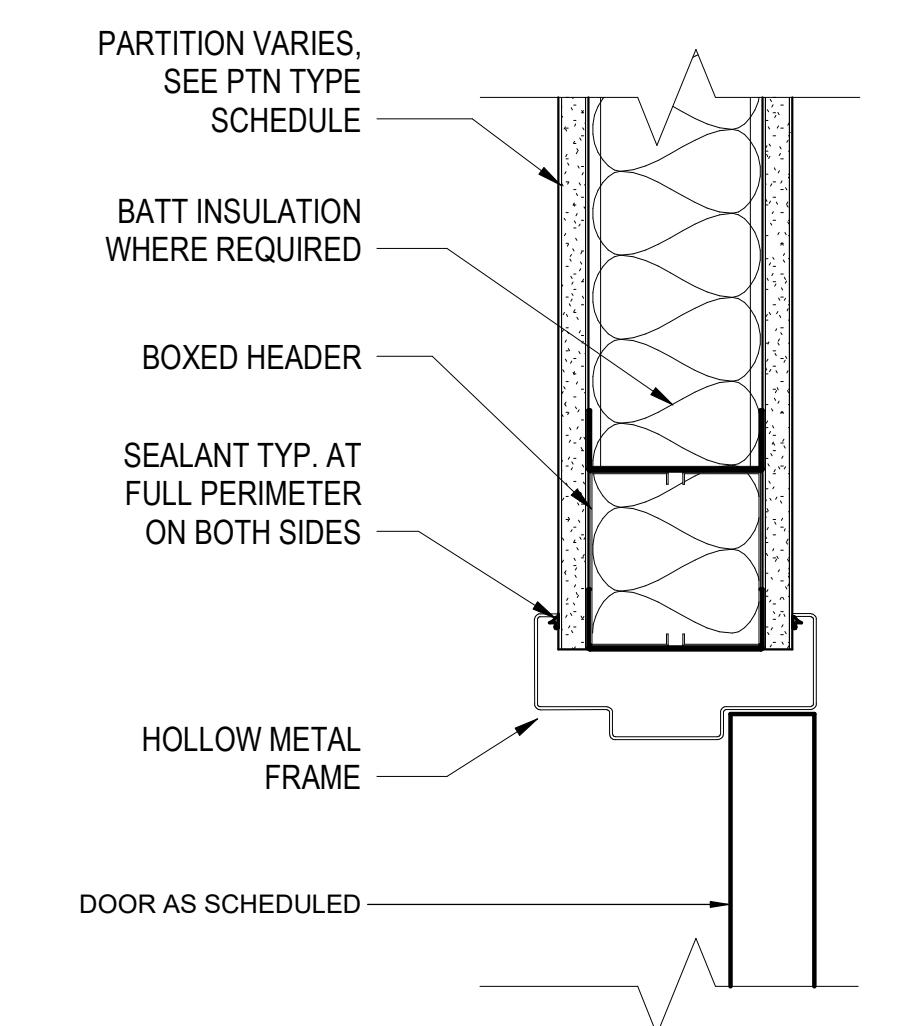


## DOOR TYPES

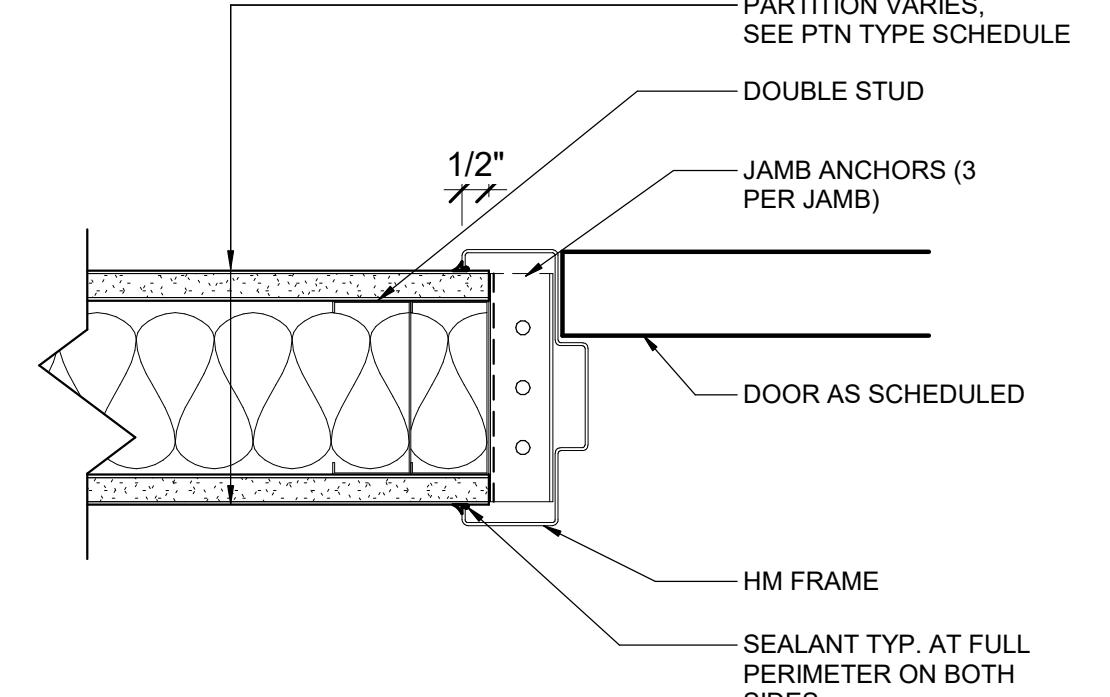


**TYPE F1  
(HM FRAME 2"  
HEAD)**

## DOOR TYPES



# DOOR HEAD DETAIL



## DOOR JAMB DETAIL

A circular icon with a vertical line through the center. A dashed line extends from the right side of the circle, representing a north arrow.

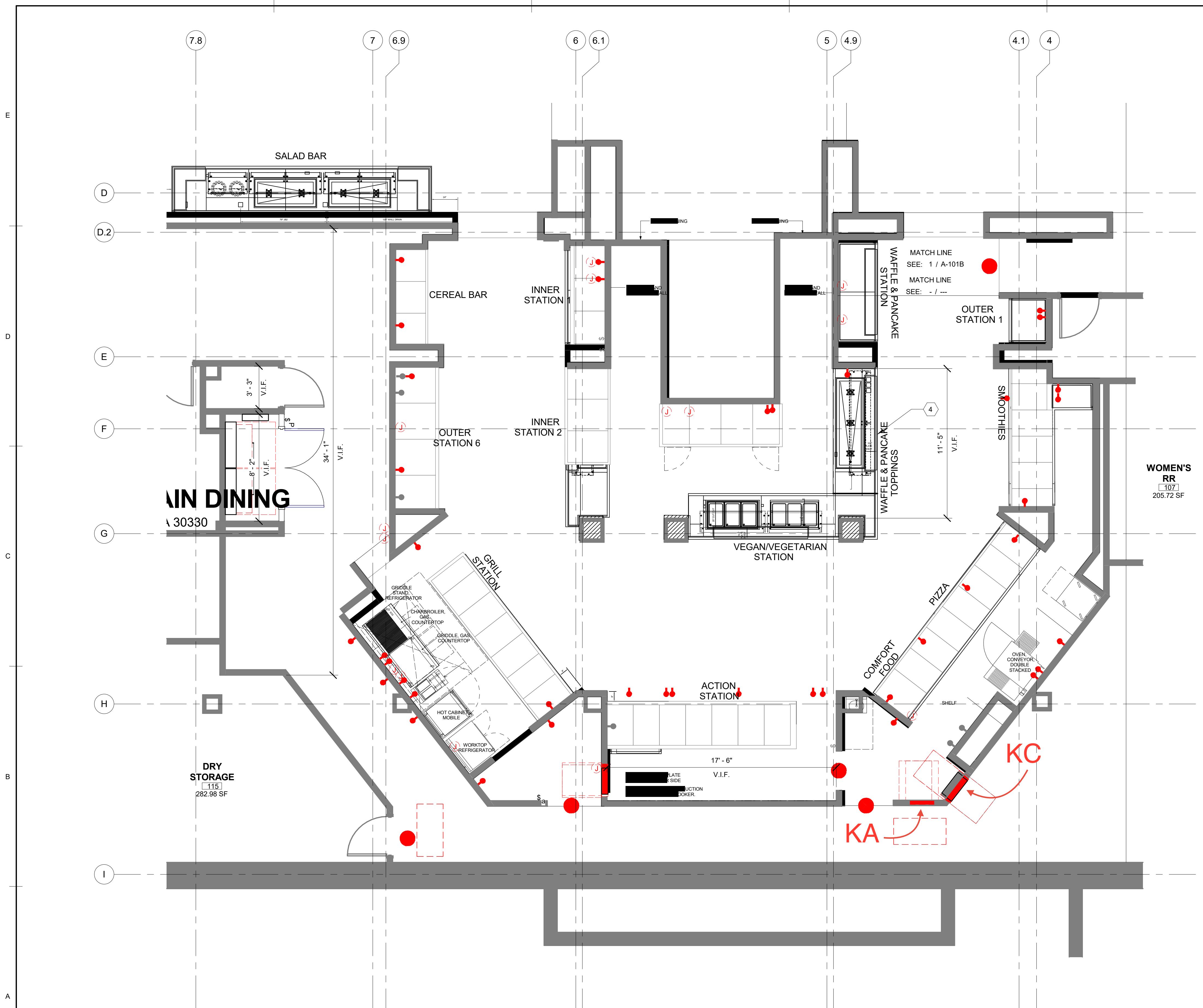
## GRAPHIC SCALE(S)



10  
S

## DOOR DIAGRAMS & SCHEDULE

O. A-400 REV. N



## GENERAL SHEET NOTES

- 1 REFERENCE SHEET AG001 FOR GENERAL PROJECT NOTES AND LEGENDS.
- 2 FOR DEMOLITION GENERAL SHEET NOTES AND LEGENDS  
REFERENCE SHEETS AD101 FOR FLOOR PLAN AND AD120 FOR REFLECTED CEILING PLAN
- 3 FOR GENERAL SHEET NOTES AND LEGENDS REFERENCE SHEETS A-101 FOR FLOOR PLAN AND ELEVATIONS AND SHEET A-120 FOR REFLECTED CEILING PLANS.
- 4 REFERENCE SHEETS I-801 FOR FURNITURE PLANS
- 5 SHEET PROVIDED FOR REFERENCE ONLY. WORK WILL BE PERFORMED UNDER S SEPARATE CONTRACT.



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FOR  
ONLY

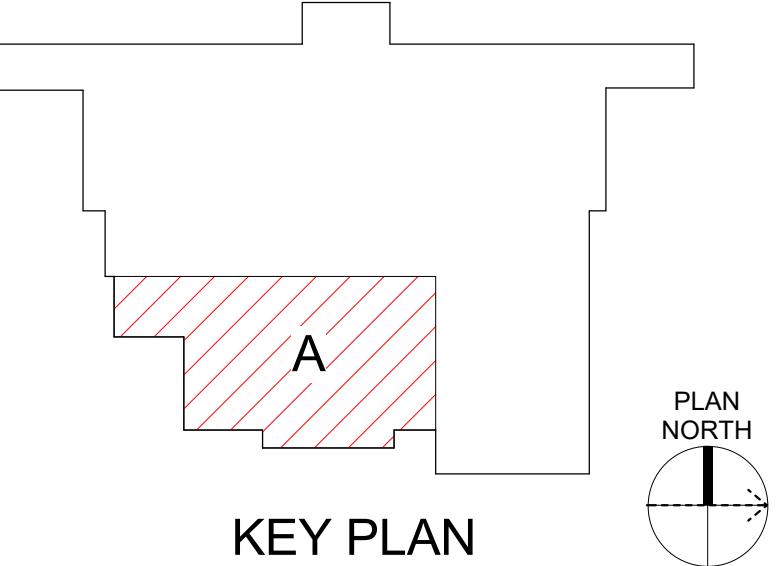
## NEW WORK KEYNOTES

- 1 INSTALL 2X2 ACT CEILING A-121/09 51 23
- 2 MECHANICAL, REFERENCE MECHANICAL DWGS, TYP M-101
- 3 LIGHTING, REFERENCE ELECTRICAL DWGS, EL101
- 4 VENDING NOT IN SCOPE, REFER TO SHEET A-801 FOR VENDING EQUIPMENT A-801

GEORGIA INSTITUTE OF  
TECHNOLOGY  
BRITTAIR HALL  
ELECTRICAL  
INFRASTRUCTURE  
IMPROVEMENTS  
649 TECHNICON DRIVE NW  
ATLANTA, GA 30330

COMM NO:	240059	MRK:	DATE	REVISION DESCRIPTION
DATE:	11/21/2024			
DRAWN:	ACA	DESIGN:	NXE	
CHECK:			GEM	
SHEET TITLE				

## KEY PLAN



## GRAPHIC SCALE(S)

FIRST FLOOR PLAN -  
VENDING EQUIPMENT  
REF, NIC

SHT. NO. A-801 REV. NO.

MECHANICAL ABBREVIATIONS		HVAC AND MECHANICAL PIPING LEGEND		MECHANICAL GENERAL NOTES																			
<p>(D) DEMOLISH (E) EXISTING ELEMENT TO REMAIN ACC AIR COOLED CHILLER ACU AIR CONDITIONING UNIT AD ACCESS DOOR AFF ABOVE FINISHED FLOOR AFMS AIR FLOW MEASUREMENT STATION AHU AIR HANDLING UNIT AI ANALOG INPUT AO ANALOG OUTPUT APD AIR PRESSURE DROP APPROX APPROXIMATELY ARCH ARCHITECTURE AS AIR SEPARATOR ATFP ANTI-TERRORISM / FORCE PROTECTION BEL BELLMOUTH FITTING BT BUFFER TANK CD CONDENSATE DRAIN CDW CONDENSER WATER CFH CUBIC FEET PER HOUR CFM CUBIC FEET PER MINUTE CHP CHILLED WATER PUMP CHR CHILLED WATER RETURN CHS CHILLED WATER SUPPLY CLG COOLING OR CEILING CO CLEANOUT CO2 CARBON MONOXIDE COND CONDENSATE OR CONDENSER CT COOLING TOWER CU CONDENSING UNIT CWR CONDENSER WATER RETURN CWS CONDENSER WATER SUPPLY DDC DIRECT DIGITAL CONTROL DEG DEGREES DI DIGITAL INPUT DN DOWN DO DIGITAL OUTPUT DOAS DEDICATED OUTDOOR AIR SYSTEM DP DIFFERENTIAL PRESSURE EA EXHAUST AIR OR EACH EF EXHAUST FAN EL ELEVATION ESS EMERGENCY STOP SWITCH EXH EXHAUST FOR °F DEGREES FAHRENHEIT FCU FAN COIL UNIT FD FIRE DAMPER FO FUEL OIL FOR FUEL OIL RETURN FOS FUEL OIL SUPPLY FPM FEET PER MINUTE FS FLOW SWITCH FT FOOT OR FEET FZ FREEZESTAT GA GAUGE GAL GALLON (U.S.) GALV GALVANIZED H HUMIDITY HGI HOODED GRAVITY INTAKE</p>		<p><b>CONSTRUCTION PHASING</b></p> <p><b>SENSORS</b></p>		<p><b>GENERAL</b></p> <ol style="list-style-type: none"> <li>REFER TO EACH DRAWING FOR NOTES SPECIFIC TO THAT DRAWING SHEET.</li> <li>THESE DRAWINGS ARE SCHEMATIC IN NATURE AND INDICATE THE GENERAL AND APPROXIMATE LOCATION OF EQUIPMENT, PIPING AND DUCTWORK. DO NOT SCALE DRAWINGS. THEY ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. A COMPLETE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM (HVAC) WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS MUST BE PROVIDED. THE CONTRACTOR MUST CAREFULLY REVIEW ALL THE CONTRACT DOCUMENTS AND COORDINATE BETWEEN ALL TRADES PRIOR TO SUBMITTING SHOP DRAWINGS. THE CONTRACTOR MUST VERIFY ALL SIZES, MATERIALS, TEMPERATURE AND PRESSURE RATINGS BEFORE ORDERING OR INSTALLING ANY MATERIALS OR EQUIPMENT. THE CONTRACTOR MUST PREPARE INSTALLATION INSTRUCTIONS AND FABRICATION DRAWINGS PRIOR TO ACTUAL INSTALLATION.</li> <li>ALL MECHANICAL EQUIPMENT AND ACCESSORIES MUST BE INSTALLED IN STRICT ACCORDANCE WITH THE CURRENT APPROVED EDITION OF THE INTERNATIONAL MECHANICAL CODE (IMC) AND ALL OTHER APPLICABLE LOCAL CODES AND BUILDING STANDARDS, UNLESS DRAWINGS AND/OR SPECIFICATIONS INDICATE WORK OVER AND ABOVE CODE REQUIREMENTS.</li> <li>FURNISH ALL MATERIALS AND LABOR NECESSARY FOR THE COMPLETION OF WORK UNLESS NOTED OTHERWISE.</li> <li>ALL MISCELLANEOUS MATERIAL REQUIRED TO ENSURE PROPER INSTALLATION MUST BE PROVIDED.</li> <li>ALL MECHANICAL EQUIPMENT AND SYSTEMS MUST BE INSTALLED IN A MANNER WHICH MINIMIZES NOISE AND VIBRATION.</li> <li>ALL MATERIALS REQUIRED FOR PROPER INSTALLATION MUST BE NEW UNLESS THE ITEM IS INDICATED AS EXISTING TO REMAIN OR RELOCATED ON THE DRAWINGS.</li> </ol> <p><b>COORDINATION</b></p> <ol style="list-style-type: none"> <li>COORDINATE THE INSTALLATION OF ALL WORK WITH THE WORK OF OTHER TRADES. MINOR DEVIATIONS FROM THE PLANS, TO INCLUDE OFFSETS AND TRANSITIONS, MAY BE MADE TO AVOID CONFLICTS. MAJOR CONFLICTS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCEMENT OF THE WORK.</li> <li>EQUIPMENT SIZES SHOWN ARE BASED UPON TYPICAL MANUFACTURED EQUIPMENT AVAILABLE. SHOP DRAWINGS MUST BE PROVIDED FOR REVIEW AND APPROVAL, SHOWING SPACE FOR ACCESS, EGRESS, MAINTENANCE, AND REQUIRED CODE CLEARANCES PRIOR TO ANY PROCUREMENT, FABRICATION, OR INSTALLATION.</li> <li>COORDINATE THE ELECTRICAL REQUIREMENTS OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACT DOCUMENTS PRIOR TO ORDERING.</li> <li>REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL LOUVERS, VENTS, DUCTS, AND PIPING THAT PENETRATE EXTERIOR WALLS.</li> <li>COORDINATE THE EXACT LOCATION OF OPENINGS IN BUILDING CONSTRUCTION WITH STRUCTURAL DRAWINGS PRIOR TO BEGINNING WORK. DO NOT PENETRATE STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL.</li> <li>DO NOT PLACE PIPING ABOVE ELECTRICAL, COMMUNICATIONS, DATA EQUIPMENT OR PANELS.</li> </ol> <p><b>DUCTWORK</b></p> <ol style="list-style-type: none"> <li>DUCT SIZES ARE SHOWN AS INSIDE CLEAR DIMENSIONS. WHERE INTERNAL INSULATION IS CALLED FOR, DIMENSIONS MUST BE INCREASED FOR THE THICKNESS OF THE INSULATION.</li> <li>ALL BRANCH DUCTWORK MUST BE SIZED TO MATCH THE TERMINAL CONNECTION SERVED UNLESS NOTED OTHERWISE. FLEXIBLE DUCT TO DIFFUSERS MUST BE INSTALLED FREE OF KINKS AND SAGS. MAXIMUM LENGTH OF FLEXIBLE DUCT MUST BE 5'-0". ALL RUNOUT AND BRANCH DUCTS MUST CONTAIN A MANUAL VOLUME DAMPER FOR BALANCING.</li> <li>ALL DUCT TRANSITIONS FROM SQUARE TO ROUND MUST BE SMOOTH SQUARE TO ROUND TRANSITIONS.</li> <li>ALL DIFFUSERS MUST HAVE FREE-FLOW BLOW UNLESS NOTED OTHERWISE.</li> <li>SEE REFLECTED CEILING PLANS FOR EXACT LOCATION OF AIR DEVICES.</li> <li>ALL DAMPERS, DAMPER OPERATORS, AND FANS MUST BE ACCESSIBLE. LOCATE ALL EQUIPMENT OR APPURTENANCES IN AREAS WITH ACCESSIBLE CEILINGS. THE CONTRACTOR MAY UTILIZE ACCESS PANELS FOR THOSE AREAS NOT EASILY ACCESSIBLE. ALL ACCESS PANEL LOCATIONS MUST BE COORDINATED WITH THE CONTRACT DOCUMENTS AND APPROVED BY THE OWNER PRIOR TO INSTALLATION OF EQUIPMENT.</li> <li>PROVIDE UL LISTED FIRESTOPPING ASSEMBLIES FOR EACH PENETRATION OF RATED ASSEMBLIES.</li> <li>ALL DUCTWORK MUST BE SLEVED THROUGH WALL PENETRATIONS EXCEPT INTERIOR PARTITIONS. ALL WALL PENETRATIONS OF DUCTWORK MUST BE SEALED.</li> <li>PROVIDE TURNING VAVES IN MITERED 90 DEGREE BENDS EXCEPT TRANSFER DUCTS OR OTHERWISE NOTED.</li> <li>PROVIDE CONICAL TEES FOR TAKE-OFFS FROM ROUND AND FLAT OVAL DUCTWORK. PROVIDE TAPS WITH 45 DEGREE DUCT HEEL FOR TAKE-OFFS FROM RECTANGULAR DUCTWORK.</li> </ol> <p><b>PIPING</b></p> <ol style="list-style-type: none"> <li>SLOPE CONDENSATE DRAINS AT 1/8" PER FOOT MINIMUM IN THE DIRECTION OF FLOW. PROVIDE FITTINGS TO ALLOW CLEANING OF ENTIRE SYSTEM.</li> <li>ALL PIPING MUST HAVE ITS SLOPE AND INVERT ESTABLISHED PRIOR TO THE INSTALLATION OF ANY PIPING.</li> <li>ALL PIPING SYSTEMS THAT ARE NOT OPEN TO ATMOSPHERE MUST BE PROVIDED WITH VALVED DRAINS AT LOW POINTS AND MANUAL AIR VENTS AT HIGH POINTS.</li> <li>PROVIDE UL LISTED FIRESTOPPING ASSEMBLIES FOR EACH PENETRATION OF RATED ASSEMBLIES.</li> <li>ALL PIPING MUST BE SLEVED THROUGH MASONRY WALL PENETRATIONS. ALL PARTITION PENETRATIONS MUST BE ACOUSTICALLY SEALED.</li> <li>SIZE AND ROUTE REFRIGERANT PIPING PER EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTIONS.</li> <li>CONNECTIONS BETWEEN DISSIMILAR METALS MUST BE MADE WITH DIELECTRIC FITTINGS.</li> </ol> <p><b>EQUIPMENT</b></p> <ol style="list-style-type: none"> <li>INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.</li> <li>ALL MECHANICAL EQUIPMENT MUST BE INSTALLED IN SUCH A MANNER SO THAT ALL FILTERS, VALVES, MOTORS, DAMPERS, ETC., ARE COMPLETELY ACCESSIBLE AND SERVICEABLE, INCLUDING ACCESS DOORS IF REQUIRED.</li> <li>COMPLETE AND PROPER INSTALLATION OF THERMOSTATS AND ALL OTHER NECESSARY FIELD MOUNTED CONTROL COMPONENTS MUST BE THE RESPONSIBILITY OF THE MECHANICAL OR CONTROLS CONTRACTOR. THE EQUIPMENT MANUFACTURER MUST FURNISH COMPLETE WIRING CONTROLS. ALL CONTROL WIRING IN MECHANICAL ROOMS OR AREAS SUBJECT TO DAMAGE MUST BE IN CONDUIT AND INSTALLED PER ELECTRICAL CONTRACT DOCUMENTS.</li> <li>PROVIDE FLEXIBLE CONNECTIONS BETWEEN HVAC EQUIPMENT AND SHEET METAL DUCTWORK.</li> </ol> <p><b>RENOVATION WORK</b></p> <ol style="list-style-type: none"> <li>THIS PROJECT IS A RENOVATION OF AN EXISTING FACILITY, AND PREVIOUS RECORD DRAWINGS FORM THE BASIS FOR MANY OF THESE DRAWINGS. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR PURCHASE OF EQUIPMENT, MATERIALS, AND ASSEMBLIES. THERE MAY EXIST FIELD CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON THESE DRAWINGS. ANY SUCH DEVIATIONS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION BEFORE PROCEEDING WITH ANY CONSTRUCTION, FABRICATION, OR MATERIAL/EQUIPMENT PURCHASE WHICH WOULD BE UNUSABLE UNDER THOSE CIRCUMSTANCES.</li> <li>MINIMIZE THE DESTRUCTION OR DEMOLITION OF EXISTING CEILING OR FLOOR TILES. REPLACE ALL TILES DEMOLISHED OR DAMAGED, COORDINATE THE TILE SELECTION WITH OWNER REPRESENTATIVE.</li> </ol> <p><b>NOTE:</b> THIS SHEET PROVIDED FOR REFERENCE ONLY. WORK WILL BE PERFORMED UNDER A SEPARATE CONTRACT.</p>																			
				<p><b>GEORGIA INSTITUTE OF TECHNOLOGY</b> <b>BRITTAINE HALL ELECTRICAL INFRASTRUCTURE IMPROVEMENTS</b> 646 TECHWOOD DR NW, ATLANTA, GA 30330</p> <table border="1"> <tr> <td>COMM NO:</td> <td>240059</td> </tr> <tr> <td>DATE:</td> <td>04/25/25</td> </tr> <tr> <td>DRAWN:</td> <td>MJH</td> </tr> <tr> <td>DESIGN:</td> <td>MJH</td> </tr> <tr> <td>CHECK:</td> <td>SWL</td> </tr> <tr> <td colspan="2">SHEET TITLE</td> </tr> <tr> <td colspan="2">LEGEND, ABBREVIATIONS &amp; GENERAL NOTES</td> </tr> <tr> <td>SHT. NO.</td> <td>M-001</td> </tr> <tr> <td>REV. NO.</td> <td></td> </tr> </table>		COMM NO:	240059	DATE:	04/25/25	DRAWN:	MJH	DESIGN:	MJH	CHECK:	SWL	SHEET TITLE		LEGEND, ABBREVIATIONS & GENERAL NOTES		SHT. NO.	M-001	REV. NO.	
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