

ELECTRICAL LEGEND

(REFER TO SPECIFICATIONS FOR MORE INFORMATION)

NOTE: DIMENSIONS ARE TO CENTER OF DEVICE, UNO.

LIGHTING FIXTURES

(REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND TYPE)

SYMBOL	DESCRIPTION
□	- LIGHTING FIXTURE.
● □	- LIGHTING FIXTURE - NORMAL AND EMERGENCY POWER.
● ■	- LIGHTING FIXTURE - EMERGENCY POWER ONLY.
○	- LIGHTING FIXTURE.
○ □	- WALL MOUNTED LIGHTING FIXTURE.
□ □	- EXIT LIGHTING FIXTURE - NORMAL AND EMERGENCY POWER - ARROW(S) INDICATE DIRECTIONAL MARKERS.
○ □	- LIGHTING FIXTURE - WALL WASH.
□ □	- LIGHTING FIXTURE - DOUBLE WALL WASH.
□	- EMERGENCY BATTERY UNIT WITH 2 LAMPS.
□ □	- EMERGENCY BATTERY PACK.
EX □	- PHANTOM SYMBOL INDICATES EXISTING ITEM OR AS NOTED ON DRAWINGS.
□ □	- STRIP LIGHTING FIXTURE.
□ □	- TRACK LIGHTING - LENGTH OF TRACK AND NUMBER OF HEADS AS INDICATED ON DRAWINGS OR NOTED ON SCHEDULE.
□ □	- FLOOD LIGHT. AIM LIGHT AT NIGHT. COORDINATE TIME WITH ARCHITECT/OWNER/ENGINEER.

SWITCHES

(REFER TO SWITCH SCHEDULE FOR DESCRIPTION AND TYPE)

SYMBOL	DESCRIPTION
S	- SINGLE POLE SWITCH - 20 AMP - MOUNT 46" AFF.
Sz	- 2 POLE SINGLE THROW SWITCH - 20 AMP - MOUNT 46" AFF.
S3	- THREE WAY LIGHT SWITCH - 20 AMP - MOUNT 46" AFF.
S4	- FOUR WAY LIGHT SWITCH - 20 AMP - MOUNT 46" AFF.
Sx	- KEY OPERATED LIGHT SWITCH - 20 AMP - MOUNT 46" AFF.
Sxk	- THREE WAY KEY OPERATED LIGHT SWITCH - 20 AMP - MOUNT 46" AFF.
SxS	- FOUR WAY KEY OPERATED LIGHT SWITCH - 20 AMP - MOUNT 46" AFF.
SxSe	- SUB-LETTER DESIGNATION INDICATES THE LIGHTING TO BE CONTROLLED BY EACH SWITCH WITHIN THE ROOM/AREA.
SxP	- LIGHT SWITCH WITH PILOT LIGHT - 20 AMP - MOUNT 46" AFF.
SxW	- TIMER SWITCH - SIMILAR TO TORK MODEL #SA100, UNO - MOUNT 46" AFF.
SxH	- LIGHTED HANDLE LIGHT SWITCH - 20 AMP - MOUNT 46" AFF.
SxL	- RAISE/LOWER SWITCH - UNLO. FURNISHED WITH EQUIPMENT. INSTALL AND PROVIDE FINAL CONNECTIONS PER MANUFACTURER REQUIREMENTS.
SxM	- MOMENTARY CONTACT SWITCH - MOUNT 46" AFF.
SxT	- TIME DELAY SWITCH INSTALL AND PROVIDE FINAL CONNECTIONS PER MANUFACTURER REQUIREMENTS - MOUNT 46" AFF.
SxV	- DIMMER LIGHT SWITCH - TYPE & SIZED FOR LOAD SERVED - PROVIDE WITH POWER PACK AS REQUIRED FOR LOAD - MOUNT 46" AFF.
SxV	- LOW VOLTAGE OVERRIDE SWITCH STATION CONNECTED TO CORRIDOR LIGHTING CONTROL SYSTEM. PROVIDE SINGLE BUTTON STATION, UNO - MOUNT 46" AFF.
SxL	- LOW VOLTAGE ON/OFF SWITCH STATION CONNECTED TO LIGHTING CONTROL SYSTEM. PROVIDE SINGLE BUTTON STATION (ON/OFF) - MOUNT 46" AFF.
SxD	- LOW VOLTAGE DIMMER STATION CONNECTED TO LIGHTING CONTROL SYSTEM. PROVIDE 3-BUTTON STATION WITH ON/OFF AND RAISE/LOWER BUTTONS. MOUNT 46" AFF. SEE SPECIFICATIONS.
Sxos	- OCCUPANCY SENSING SINGLE POLE DIMMER LIGHT SWITCH - MOUNT 46" AFF.
DS	- LOW VOLTAGE CEILING/WALL MOUNTED OCCUPANCY SENSING UNIT POWERED FROM LIGHTING CONTROL SYSTEM - SEE SPECIFICATIONS. VERIFY LOCATION OF SENSOR WITH MANUFACTURER PRIOR TO INSTALLATION.
DA	- DAYLIGHT SENSOR TO BE WIRED INTO LIGHTING CONTROL SYSTEM PER MANUFACTURER'S REQUIREMENTS. ATTACH TO CEILING OR WALL WITH THE USE OF A THREADED NUT. 2-SIDED TAPE SHALL NOT BE ACCEPTABLE. SENSOR MAY BE INSTALLED TO PENDANT AS REQUIRED FOR PROPER OPERATION. VERIFY LOCATION OF SENSOR WITH MANUFACTURER PRIOR TO INSTALLATION.

RECEPTACLES

SYMBOL	DESCRIPTION
□	- DUPLEX RECEPTACLE - 20 AMP - 120 VOLT 18" AFF.
○	- SINGLE RECEPTACLE - 20 AMP - 120 VOLT 18" AFF.
○	- DUPLEX RECEPTACLE - 20 AMP,120 VOLT, SPLIT WIRED - 18" AFF.
○	- DUPLEX RECEPTACLE - 20 AMP,120 VOLT 18" AFF.
SH	- SHUTTER RECEPTACLE 20 AMP 120 VOLT 18" AFF.
EWC	- ELECTRIC WATER COOLER RECEPTACLE - TYPE PER MANUFACTURER'S RECOMMENDATIONS - COORDINATE HEIGHT WITH EWC.
OF	- GROUND FAULT RECEPTACLE - INDIVIDUAL TYPE - 18" ABOVE FINISHED FLOOR
WP	- DUPLEX RECEPTACLE (WITH "WR" LABEL) WITH WEATHER PROOF COVER - FLUSH - 18" AFF.
USB	- DUPLEX RECEPTACLE - 20 AMP - 120 VOLT WITH (2) USB CHARGING PORTS 18" AFF UNO.
○	- DUPLEX RECEPTACLE 20 AMP 120 VOLT 18" AFF - WIRED TO NORMAL/EMERGENCY CIRCUIT - PROVIDE RED DEVICE.
○	- QUAD OUTLET - 120V - 20 AMP EACH - TWO DUPLEX TOGETHER WITH ONE COVER PLATE - 18" AFF.
○	- SPECIAL OUTLET - SIZE AND TYPE INDICATED - 18" AFF.
○	- FLUSH FLOOR OUTLET - PROVIDE (2)-1" CONDUITS TO ACCESSIBLE CEILING PLENUM FOR DATA CABLING AND (1) CONDUIT SPARE. PROVIDE (2) DUPLEX RECEPTACLES AND (4) DATA JACKS IN EACH FLOOR BOX. FLOOR BOX SHALL BE WIREMOLD CAT. #FB4R300G WITH DUPLEX RECEPTACLE AND COMMUNICATION BRACKETS. PROVIDE CAT #FBTC FLANGED BLANK COVER ASSEMBLY WITH FINISH COLOR AS SELECTED BY ARCHITECT. PROVIDE 3/4" CONDUIT FOR POWER WIRING. FIELD VERIFY EXACT MOUNTING LOCATION OF FLOOR BOX WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. SAW CUT EXISTING FLOOR AS REQUIRED TO INSTALL CONDUITS BELOW FLOOR SLAB AND EXTEND CONDUITS CONCEALED OVERHEAD VIA NEW WALL CONSTRUCTION AND PATCH FLOOR TO MATCH ADJACENT SURFACES.
***	- PLUGMOLD WITH RECEPTACLES 12" OC IVORY (VERIFY MOUNTING HEIGHT) WIREMOLD V24GBA SERIES OR EQUAL BY HUBBELL (2-CIRCUIT).
***	- PLUGMOLD WITH RECEPTACLES 18"OC IVORY (VERIFY MOUNTING HEIGHT) WIREMOLD V24GBA SERIES OR EQUAL BY HUBBELL (2-CIRCUIT).
—	- SURFACE RACEWAY - PROVIDE RECEPTACLES AS SHOWN (VERIFY MOUNTING HEIGHT) WIREMOLD 700 SERIES OR EQUAL BY HUBBELL (AS SPECIFIED ON DRAWINGS).
○	- DUPLEX RECEPTACLE - 20 AMP, 120 VOLT - ("C" INDICATES MOUNTED ABOVE COUNTER OR HEIGHT ABOVE BACKSPLASH. COORDINATE EXACT LOCATION WITH ARCHITECT AND CASEWORK DRAWINGS.)
○	- FLOOR OUTLET RECESSED FLUSH STYLE POKE-THRU DEVICE - DATA CABLING FED FROM FLOOR BELOW. PROVIDE SPARE 1" CONDUIT FROM POKE-THRU DEVICE UP WALL TO ACCESSIBLE CEILING PLENUM. PROVIDE (2) DUPLEX RECEPTACLES AND (2) DATA JACKS IN FLOOR OUTLET. POKE-THRU SHALL BE WIREMOLD CAT. #EVOLUTION BAT SERIES WITH DEVICE BRACKETS AS REQUIRED. PROVIDE ACTIVATION COVER ASSEMBLY WITH FINISH COLOR AS SELECTED BY ARCHITECT. PROVIDE 3/4" CONDUIT FOR POWER WIRING. FLOOR SHALL BE CORE DRILLED WITH FINAL LOCATION MARKED BY ARCHITECT/OWNER. CONCRETE POUR SLEEVE SHALL NOT BE USED.

EQUIPMENT

(REFER TO EQUIPMENT SCHEDULE FOR DESCRIPTION AND TYPE)

SYMBOL	DESCRIPTION
○	- JUNCTION BOX - PROVIDE FINAL CONNECTION TO EQUIPMENT AND OR BLANK COVERPLATE.
○	- MOTOR - SIZE AND TYPE AS INDICATED - BY OTHERS. PROVIDE FINAL CONNECTIONS.
—	- MOTOR CONTROLLER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
—	- EXISTING PANELBOARD.
—	- TIME CLOCK - 7-DAY ASTRONOMIC - INTERMATIC ET 8000 SERIES.
—	- IN-WALL PHOTOCELL - INTERMATIC MODEL EK43365 (MOUNT AS HIGH ON WALL AS POSSIBLE).
—	- CONTACTOR - MECHANICALLY HELD - SIZE AND TYPE REQUIRED OR NOTED ON DRAWINGS.
—	- EMERGENCY SHUTDOWN SWITCH - MOUNT 46" AFF.
—	- EMERGENCY SHUTDOWN SWITCH - WITH KEYED RESET - MOUNT 46" AFF.
St	- THERMAL SWITCH MANUAL STARTER WITH THERMAL PROTECTION AND HAND/AUTO SWITCH TO ALLOW STARTER CONTROL FROM REMOTE SOURCE. HAND/AUTO SWITCH ONLY REQUIRED FOR RE-CIRCULATING PUMPS. SQUARE D CLASS 2510 SERIES WITH HANDLE GUARD/LOCK OFF ATTACHMENT AND PILOT LIGHT - FLUSH MOUNTED - MOUNT ON OR ADJACENT TO EQUIPMENT.
St	- THERMAL SWITCH (MANUAL STARTER) SQUARE D CLASS 2510 SERIES THREE POLE, THREE PHASE 30A-208V-18 WITH A LOCK OFF ATTACHMENT IN A NEMA 1 ENCLOSURE. - MOUNT ON OR ADJACENT TO EQUIPMENT.
Stz	- THERMAL SWITCH (MANUAL STARTER) LENTON CAT. NO. N1302 DOUBLE POLE, SINGLE THROW 30A-208V-18 WITH A LOCK OFF ATTACHMENT IN A NEMA 1 ENCLOSURE. (SIMILAR SYMBOL)
Stz	- THERMAL SWITCH (MANUAL STARTER) SQUARE D CLASS 2510 SERIES THREE POLE, THREE PHASE 30A-208V-38 WITH A LOCK OFF ATTACHMENT IN A NEMA 1 ENCLOSURE. - MOUNT ON OR ADJACENT TO EQUIPMENT.
—	- TRANSFORMER - SIZE AS INDICATED - SEE DRAWING AND SPECIFICATION.
—	- NON-FUSED DISCONNECT SWITCH - SIZE AND TYPE INDICATED. (PROVIDE FUSES AS PER EQUIPMENT MANUFACTURERS REQUIREMENTS).
—	- FUSED DISCONNECT SWITCH - SIZE AND TYPE INDICATED.
—	- COMBINATION STARTER/DISCONNECT SWITCH - SIZE 1 UNO. - FURNISHED BY E.C. UNO, INSTALLED BY E.C. - 60" TO HANDLE.
—	- VARIABLE FREQUENCY DRIVE - FURNISHED BY OTHERS. INSTALL DRIVE AND PROVIDE FINAL CONNECTIONS.
—	- ENCLOSED CIRCUIT BREAKER - SIZE AS INDICATED.
—	- RELAY.
TVSS	- TRANSIENT VOLTAGE SURGE SUPPRESSOR
—	- CABLE REEL DROP
—	- EXHAUST FAN - ROOF MOUNTED - PROVIDED BY OTHERS. PROVIDE FINAL CONNECTIONS.
—	- CEILING FAN.
—	- LIGHTING CONTROL SYSTEM LIGHTING PROCESSOR CONTROL PANEL.
—	- LIGHT REEL DROP
—	- AUTOMATIC DOOR PUSH PLATE - PROVIDE BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING. EC TO INSTALL AND WIRE CONTROLS FURNISHED BY OTHERS. PROVIDE ADDITIONAL LOW VOLTAGE RELAYS AND ALL LOW VOLTAGE WIRING TO INTERFACE AS REQUIRED WITH THE ACCESS CONTROL SYSTEM SO THAT DOORS ONLY OPERATE WHEN THE ACCESS CONTROL SYSTEM ALLOWS. - MOUNT 46" AFF.
PMS	- POWER MODULE SWITCH - REFER TO MAIN POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION. CONNECT SWITCH TO BUILDING FIRE ALARM SYSTEM ACCORDINGLY FOR SHUTDOWN OPERATION.

FIRE ALARM SYSTEM

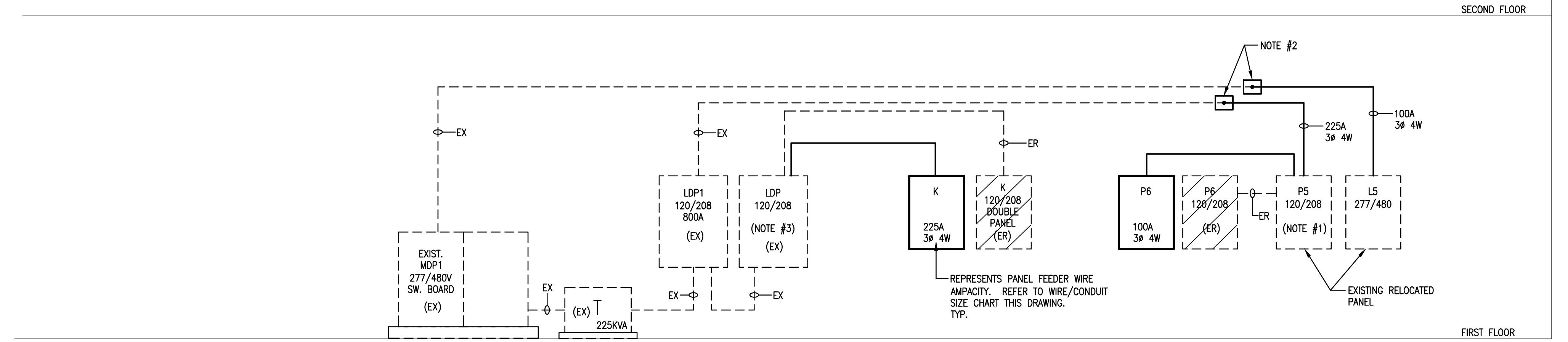
SYMBOL	DESCRIPTION
A	- FIRE ALARM AUDIO UNIT - WALL MOUNTED 18" BELOW FINISHED CEILING (8' ABOVE FINISHED FLOOR MAX).
AV	- COMBINATION FIRE ALARM AUDIO/VISUAL UNIT - WALL MOUNTED 80" AFF. NUMBER BESIDE UNIT INDICATES CANDELA RATING OTHER THAN 15.
V	- FIRE ALARM PULL STATION - 42" ABOVE FINISHED FLOOR TO THE HANDLE.
IV	- FIRE ALARM VISUAL UNIT - WALL MOUNTED 80" AFF. NUMBER BESIDE UNIT INDICATES CANDELA RATING OTHER THAN 15.
A	- FIRE ALARM AUDIO UNIT - FLUSH CEILING.
AV	- COMBINATION FIRE ALARM AUDIO/VISUAL UNIT - FLUSH CEILING. NUMBER BESIDE UNIT INDICATES CANDELA RATING OTHER THAN 15.
H	- HEAT DETECTOR.
S	- SMOKE DETECTOR.
—	- DUCT MOUNTED SMOKE DETECTOR WITH REMOTE TEST SWITCH/LED INDICATOR - DETECTOR FURNISHED AND WIRED BY E.C. - DETECTOR INSTALLED BY H.C. REMOTE TEST SWITCH/INDICATOR INSTALLED ON WALL BY E.C. AS PER MANUF. REQUIREMENTS.
M	- MAGNETIC DOOR HOLDER - PROVIDED AND WIRED BY E.C.
FS	- SPRINKLER FLOW SWITCH - SUPPLIED AND INSTALLED BY F.P.C., WIRED BY E.C.
TS	- SPRINKLER TAMPER SWITCH - SUPPLIED AND INSTALLED BY F.P.C., WIRED BY E.C.
KB	- KNOX BOX - CONNECT TO FIRE ALARM SYSTEM.
EG	- ELECTRIC SPRINKLER GONG - FURNISHED AND INSTALLED BY FIRE PROTECTION CONTRACTOR, WIRED BY E.C.
FACP	- FIRE ALARM CONTROL PANEL. PROVIDE 120V POWER FROM NEAREST NORMAL 120V POWER PANEL.

WIRING

SYMBOL	DESCRIPTION
—	HOMERUN TO APPLICABLE PANEL - WIRING SHALL BE 2#12 AWG WITH SEPARATE GROUND WIRE IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
—	WIRING - CONCEALED AS SPECIFIED OR AS OTHERWISE NOTED.
—	EQUIPMENT CONNECTED TO SAME CIRCUIT EXCEPT SEPARATELY CONTROLLED.
—	SURFACE RACEWAY - WIREMOLD 700 SERIES (IVORY).
—	INDICATES VERTICAL RUN OF SURFACE RACEWAY TO ACCESSIBLE CEILING PLENUM.
①	INDICATES DRAWING NOTE NUMBER.
②	INDICATES KITCHEN EQUIPMENT NUMBER.

ABBREVIATIONS

SYMBOL	DESCRIPTION
AAC	- AMBIENT AIR CLEANER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
AC	- AIR CONDITIONING UNIT - BY OTHERS. PROVIDE FINAL CONNECTIONS.
AFF	- ABOVE FINISHED FLOOR
AGF	- ABOVE FINISHED GRADE
AHU	- AIR HANDLING UNIT - BY OTHERS. PROVIDE FINAL CONNECTIONS.
ATS	- AUTOMATIC TRANSFER SWITCH - SEE SPECIFICATIONS
B	- BOILER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
CH	- CABINET HEATER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
CHR	- CHILLER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
CU	- CONDENSING UNIT - BY OTHERS. PROVIDE FINAL CONNECTIONS.
CT	- COOLING TOWER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
DC	- DUST COLLECTOR - BY OTHERS. PROVIDE FINAL CONNECTIONS.
DH	- ELECTRIC DUCT HEATER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
EBS	- ELECTRIC BASEBOARD - BY OTHERS. PROVIDE FINAL CONNECTIONS.
EF	- EXHAUST FAN - BY OTHERS. PROVIDE FINAL CONNECTIONS.
EN	- EXISTING LOCATION - NEW DEVICE AND COVERPLATE
EP	- EXPLOSION PROOF
ER	- EXISTING ITEM TO BE REMOVED
ERU	- ENERGY RECOVERY UNITS - BY OTHERS. PROVIDE FINAL CONNECTIONS.
EUEH	- ELECTRIC UNIT HEATER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
EX	- EXISTING ITEM TO REMOVE
FC	- FAN COIL UNIT - BY OTHERS. PROVIDE FINAL CONNECTIONS.
FPV	- FAN VARIABLE AIR VOLUME BOX - BY OTHERS. PROVIDE FINAL CONNECTIONS.
HP	- HEAT PUMP UNIT - BY OTHERS. PROVIDE FINAL CONNECTIONS.
MAU	- KITCHEN HOOD MAKEUP AIR UNIT - BY OTHERS. PROVIDE FINAL CONNECTIONS.
P	- PUMP - BY OTHERS. PROVIDE FINAL CONNECTIONS.
PTAC	- PACKAGED TERMINAL A/C UNIT - BY OTHERS. PROVIDE FINAL CONNECTIONS.
TL	- TWIST-LOCK
UH	- UNIT HEATER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
UNO	- UNLESS NOTED OTHERWISE
UV	- UNIT VENTILATOR - BY OTHERS. PROVIDE FINAL CONNECTIONS.
WH	- WALL HEATER - BY OTHERS. PROVIDE FINAL CONNECTIONS.
WP	- WEATHER PROOF
NFDS	- NON-FUSED DISCONNECT SWITCH
FDS	- FUSED DISCONNECT SWITCH
C	— INDICATES



POWER RISER DIAGRAM

NO SCALE

RISER DIAGRAM NOTES:

1. CONNECT PANEL 'P6' FEEDER TO EXISTING 100A/3P CIRCUIT BREAKER.
2. PROVIDE PULLBOX, SIZE AS REQUIRED, IN ACCESSIBLE CEILING SPACE ABOVE CURRENT PANEL LOCATION, INTERCEPT EXISTING FEEDER, SPLICU AND EXTEND NEW WIRING AND CONDUIT TO RELOCATED PANEL LOCATION AND CONNECT. REMOVE SECTION OF FEEDER BETWEEN PULLBOX AND CURRENT PANEL LOCATION.
3. CONNECT PANEL 'K' FEEDER TO EXISTING 225A/3P CIRCUIT BREAKER.

UTILIZE THIS WIRE CHART FOR DETERMINING WIRE AND CONDUIT SIZE REQUIRED, UNLESS NOTED OTHERWISE, FOR EACH PANEL FEEDER SHOWN ON POWER RISER DIAGRAM AND EMERGENCY POWER RISER DIAGRAM BASED UPON WIRE AMPACITY AND WIRE QUANTITY INDICATED AT EACH PANEL, DISCONNECT AND/OR TRANSFORMER.

Wire Ampacity	Parallel Number of Sets	Wire Size (CU) Conductor / Ground (THHN/THWN-2)	Conduit Size		
			16,2W+G	16,3W+G	36,4W+G
30	---	#8 / #10	3/4"	3/4"	3/4"
50	---	#6 / #10	1"	1"	1"
60	---	#4 / #8	1"	1"	1 1/4"
70	---	#4 / #8	1"	1"	1 1/4"
80	---	#3 / #8	1"	1 1/4"	1 1/4"
90	---	#2 / #8	1"	1 1/4"	1 1/4"
100	---	#1 / #6	1 1/4"	1 1/2"	1 1/2"
110	---	#1 / #6	---	1 1/2"	1 1/2"
125	---	#1 / #6	---	1 1/2"	1 1/2"
150	---	#1/0 / #6	---	1 1/2"	2"
175	---	#2/0 / #6	---	2"	2"
200	---	#3/0 / #6	---	2"	2"
225	---	#4/0 / #4	---	2"	2 1/2"
250	---	250kcmil / #4	---	2 1/2"	3"
300	---	300kcmil / #4	---	3"	3"
350	---	500kcmil / #2	---	3"	4"
400	---	500kcmil / #2	---	3"	4"
450	2	#4/0 / #2	---	2"	2 1/2"
500	2	#4/0 / #2	---	2"	2 1/2"
600	2	300kcmil / #1	---	2 1/2"	3"
700	2	400kcmil / #1/0	---	3"	4"
800	2	500kcmil / #1/0	---	3"	4"
1000	3	400kcmil / #2/0	---	3"	4"
1200	4	350kcmil / #3/0	---	3"	3"
Ground Feed			Provide #4/0 cu grounding connection to cold water & sprinkler pipe, gas piping, concrete slab rebar and building steel per N.E.C. article 250.		
Generator start ckt			Generator start circuits in 1" conduit.		
Note: Ground sizes are not for service entrances. Copper compression connectors must be used at both ends of cables.					

POWER RISER DIAGRAM
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE

1111 COMMONS BLVD, READING, PA 19605
Phone: 610/779-3220 Fax: 610/779-9622
E-mail: www.aem-arch.com

POWER RISER DIAGRAM
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE

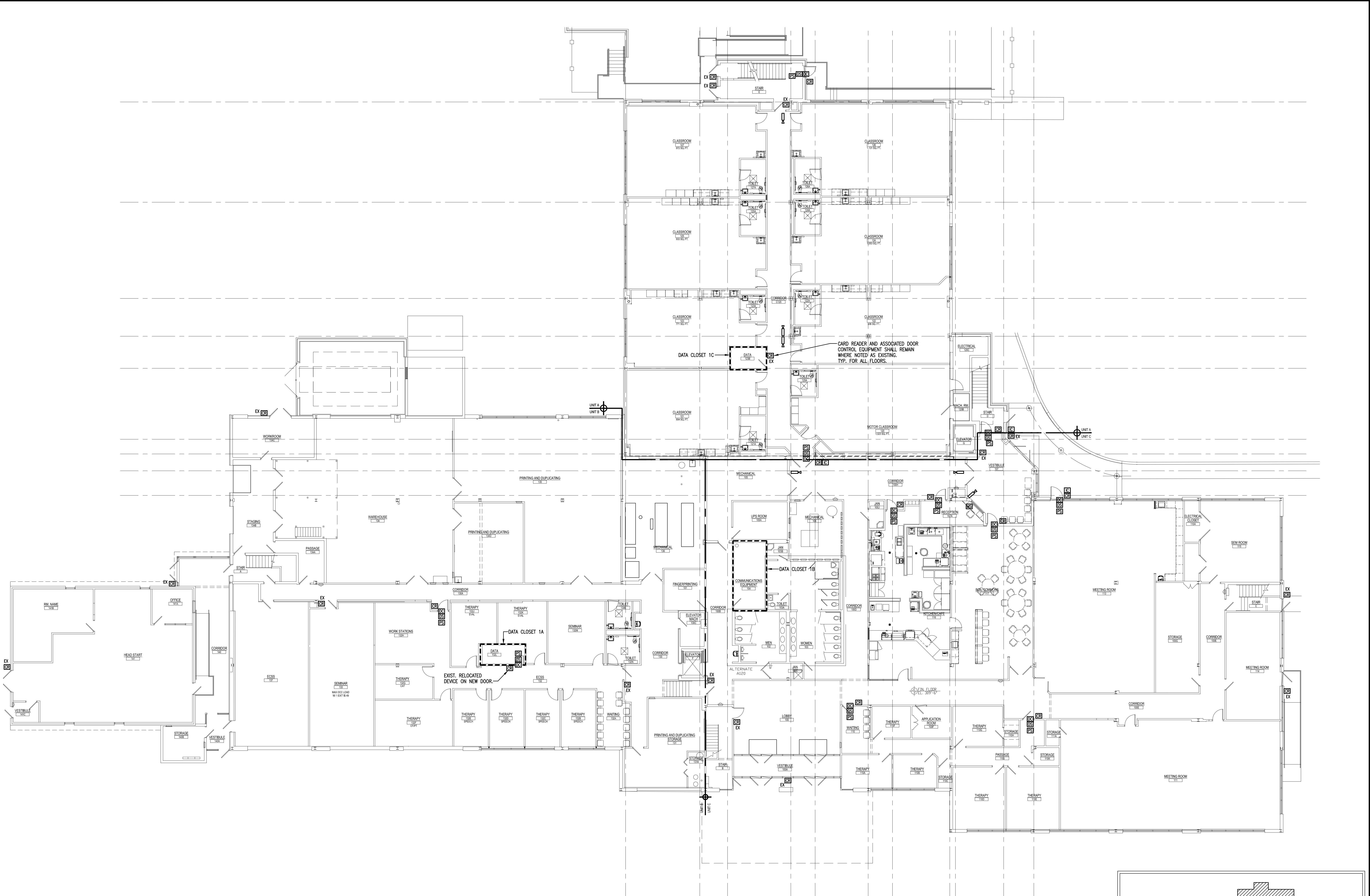
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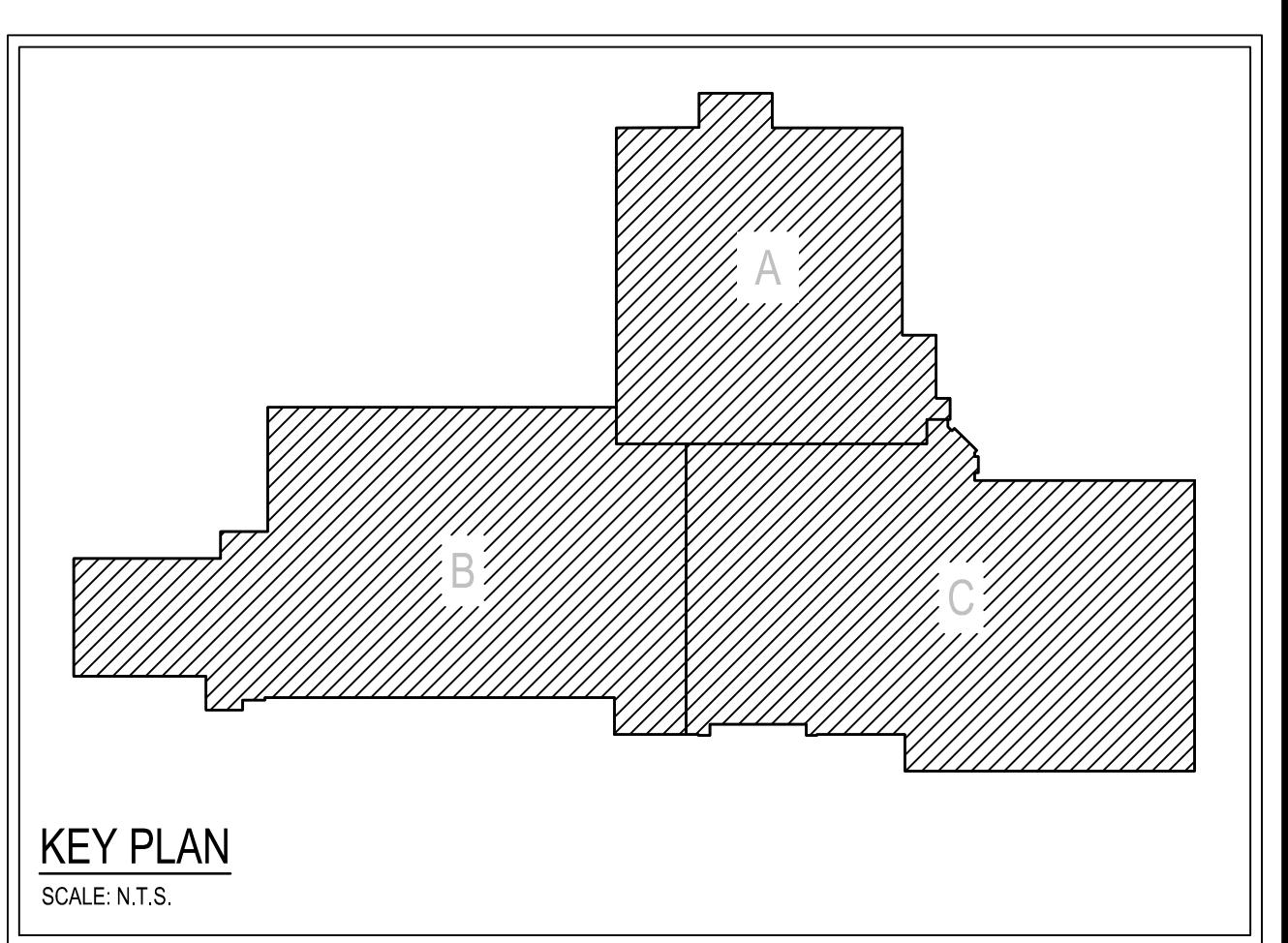
E-2



FIRST FLOOR PLAN - SYSTEMS

SCALE: 3/32" = 1'-0"

RUN ALL UNIT 'A' DATA CABLING TO CLOSET 1C. RUN ALL UNIT 'B' DATA CABLING TO CLOSET 1A. RUN ALL UNIT 'C' DATA CABLING TO CLOSET 1B. REFER TO POWER PLANS FOR QUANTITIES.



KEY PLAN
SCALE: N.T.S.

FIRST FLOOR PLAN - SYSTEMS
BCIU MAIN OFFICE
1111 COMMONS BLVD, READING, PA 19605

RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
ADDITIONS and EXISTING CONDITION
should be CHECKED and VERIFIED
by the CONTRACTOR at the SITE.

JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.2005

T-3

CONSOLIDATED
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1022 James Drive
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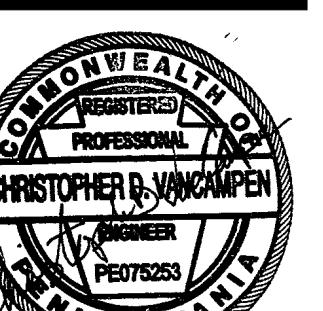
PROJECT
MAGNETIC
PROJECT

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C-E

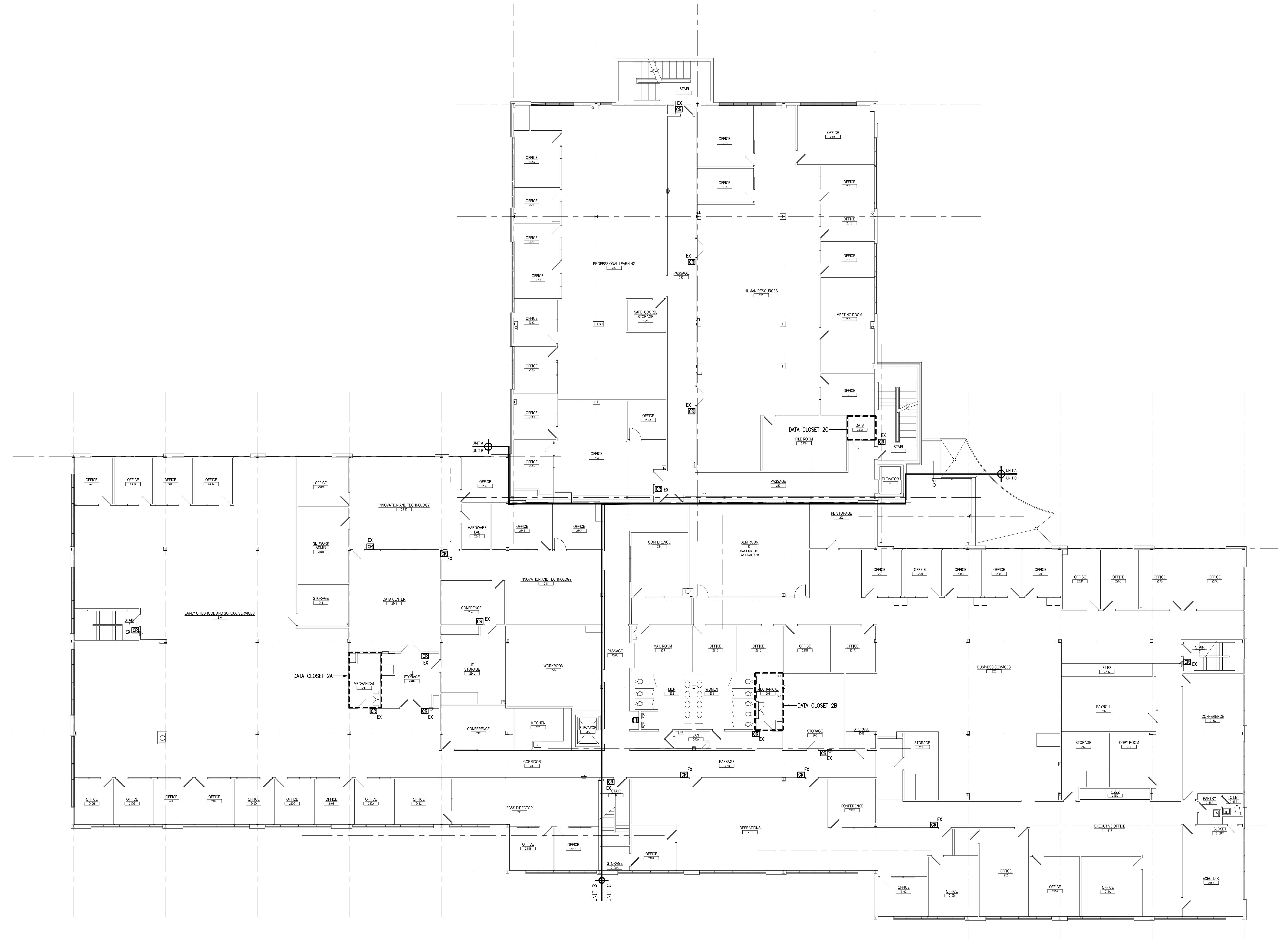


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SECOND FLOOR PLAN - SYSTEMS
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE

1111 COMMONS BLVD, READING, PA 19605
JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

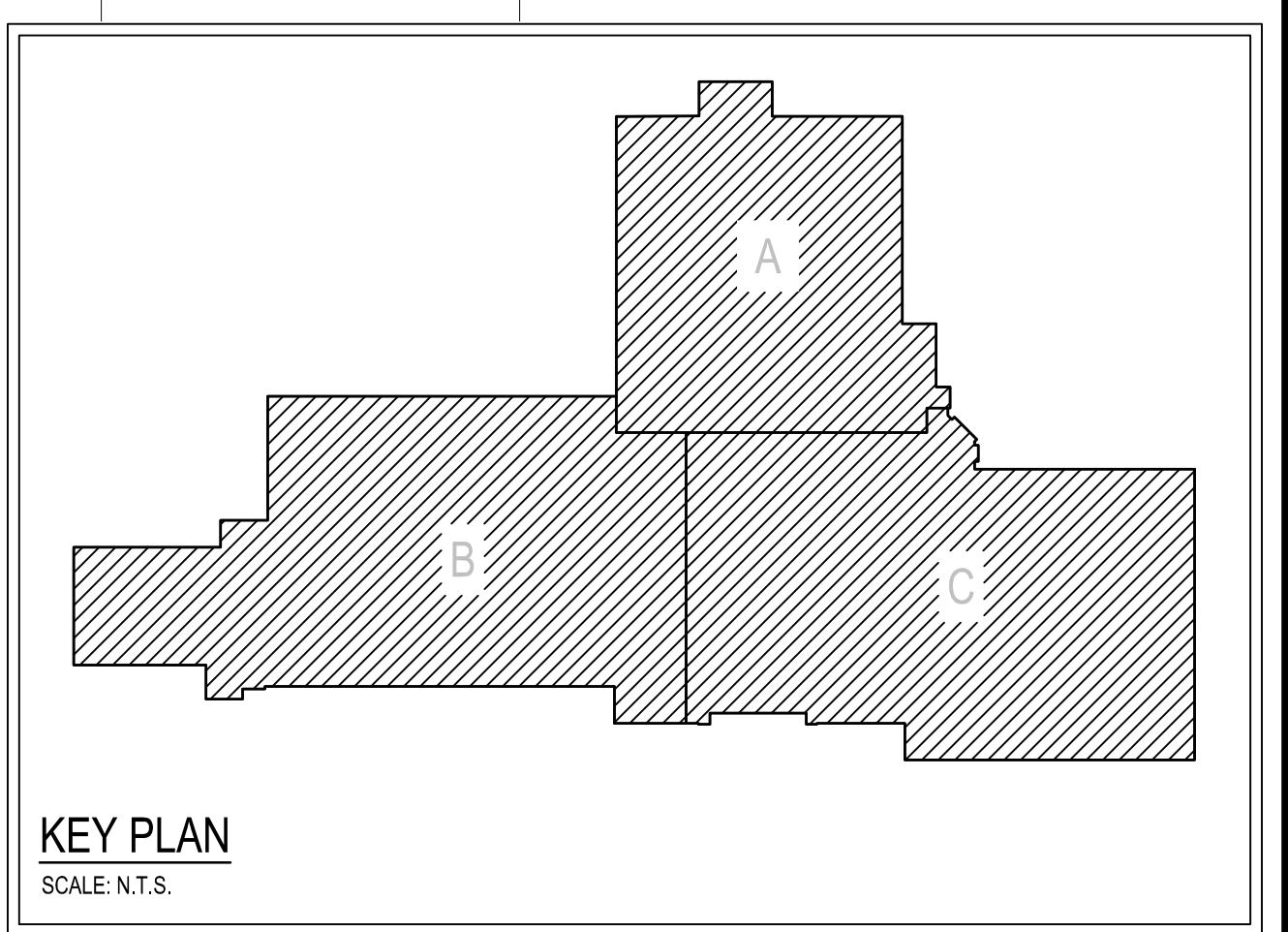
E-4



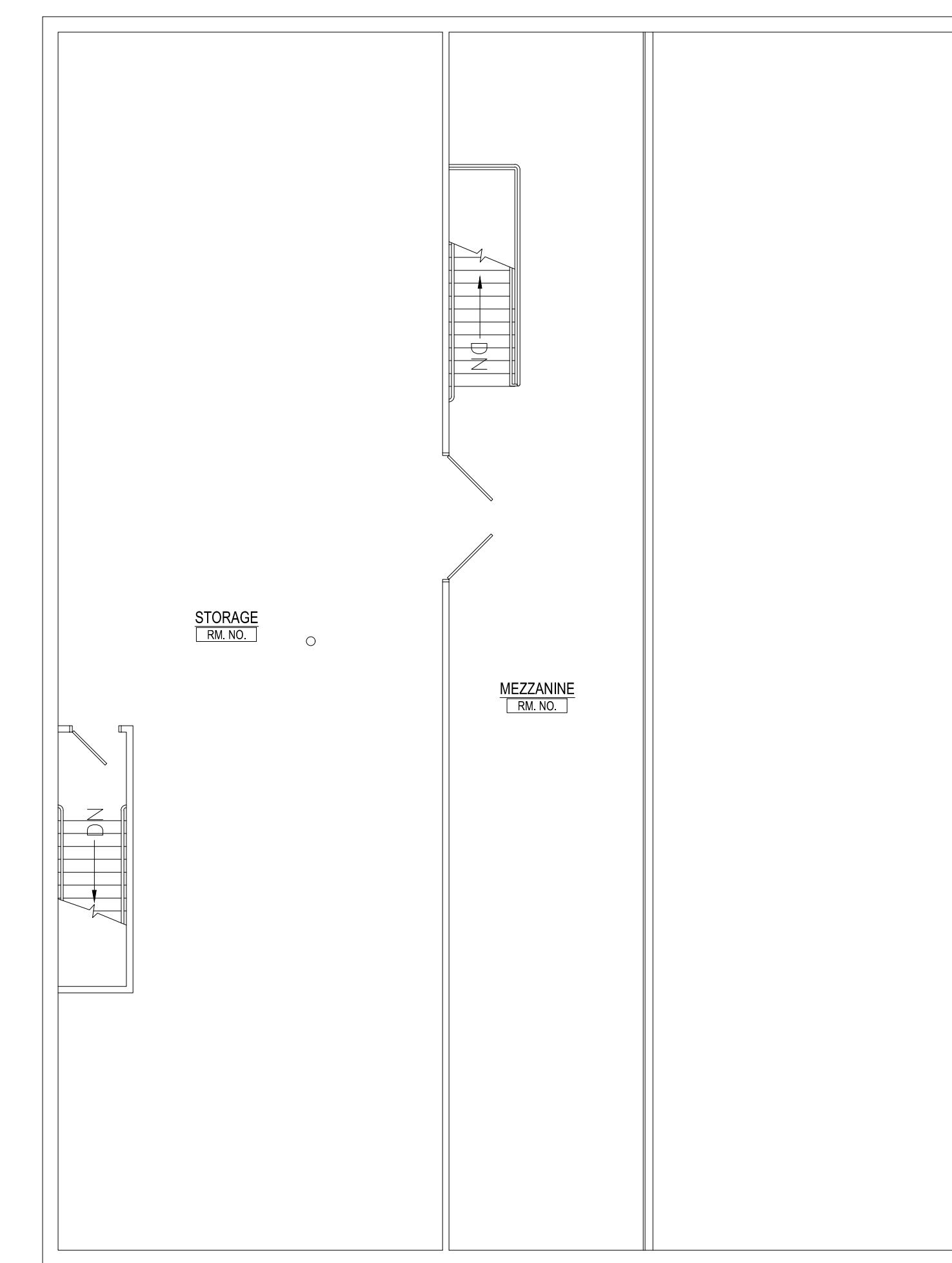
SECOND FLOOR PLAN - SYSTEMS

SCALE: 3/8" = 1'-0"

RUN ALL UNIT 'A' DATA CABLING TO CLOSET 2C. RUN ALL UNIT 'B' DATA CABLING TO CLOSET 2A. RUN ALL UNIT 'C' DATA CABLING TO CLOSET 2B. REFER TO POWER PLANS FOR QUANTITIES.

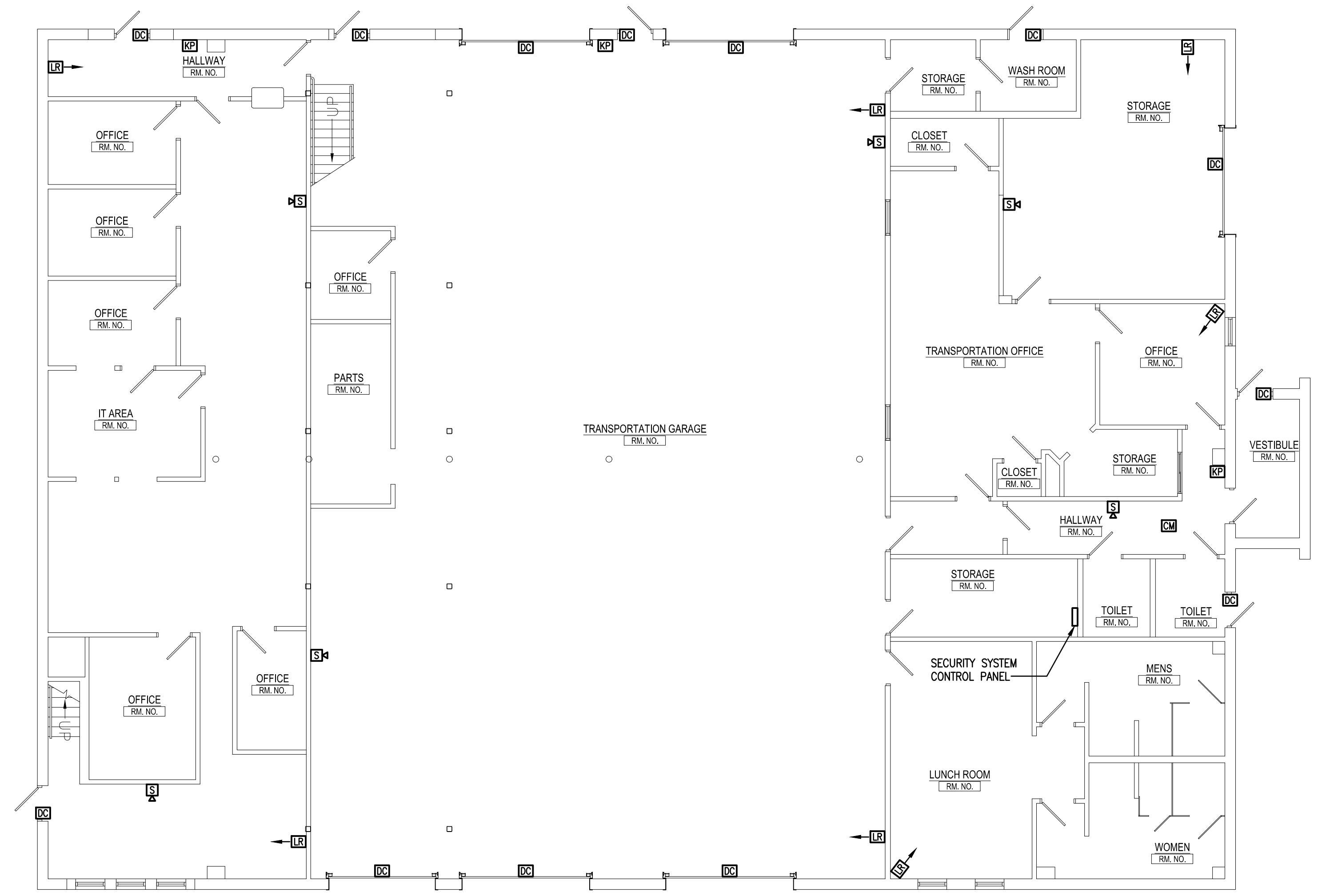


KEY PLAN
SCALE: N.T.S.



READING CREST SECOND FLOOR PLAN - SYSTEMS

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



READING CREST FIRST FLOOR PLAN - SYSTEMS

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

RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE
1111 COMMONS BLVD, READING, PA 19605

ADDITIONS and EXISTING CONDITIONS
shall be CHECKED and VERIFIED
by the CONTRACTOR at the SITE.

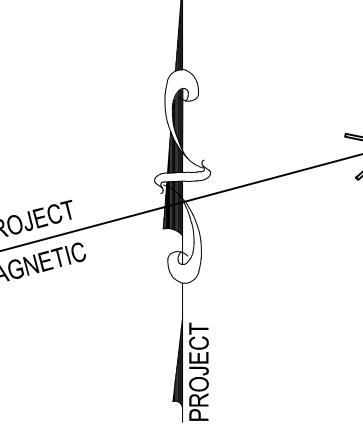
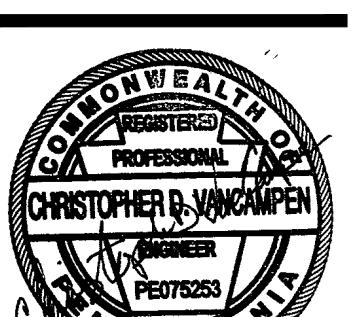
JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

T-6

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C-E

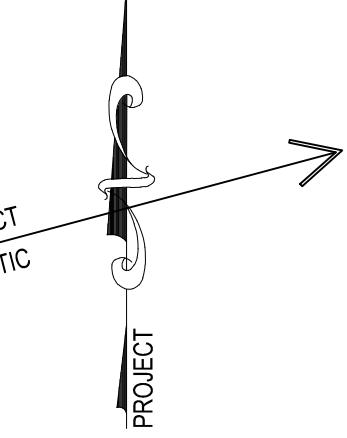


PROJECT GENERAL ELECTRICAL NOTES (APPLY TO ALL SHEETS)					
1. THE CONTRACTOR SHALL PROVIDE ALL CIRCUITS (FEEDER AND BRANCH) WITH AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. TABLE 250-122.					
2. WHEN INSTALLING CONDUITS AND CABLE ABOVE CEILING, LOCATE IN SUCH A MANNER TO ALLOW ACCESS TO ALL PIPING, DUCTS, VALVES, AND OTHER DEVICES LOCATED ABOVE CONDUITS.					
3. CONDUIT SLEEVES SHALL BE PROVIDED FOR ALL LOW VOLTAGE WIRING RUN IN OR THROUGH WALLS. LOW VOLTAGE CABLES MAY NOT BE INSTALLED IN WALLS WITHOUT RACEWAY.					
4. IN ADDITION TO CONDUIT SLEEVES REQUIRED TO PERFORM THE WORK, THE CONTRACTOR SHALL PROVIDE AN ADDITIONAL 1" SPARE SLEEVE FROM THE CORRIDOR INTO EACH OFFICE, CONFERENCE ROOM, ETC. THE CONTRACTOR SHALL ALSO PROVIDE AN ADDITIONAL 2" SPARE SLEEVE FROM THE CORRIDOR INTO EACH INSTRUCTIONAL SPACE. THESE SLEEVES ARE FOR FUTURE USE AND SHALL REMAIN EMPTY AT THE END OF THE PROJECT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PROVIDE FIRE PROOFING AS REQUIRED IN THE SPECIFICATIONS.					
5. IN ROOMS WITHOUT CEILINGS, LOW VOLTAGE WIRING MUST BE RUN IN CONDUIT. NO EXPOSED LOW VOLTAGE WIRING WILL BE PERMITTED.					
6. THE CONTRACTOR SHALL PROVIDE SPARE CONDUITS FROM RECESSED PANELBOARDS TO ACCESSIBLE CEILING SPACES. PROVIDE ONE, ONE-INCH CONDUIT FOR EVERY TWO SPARE POLES IN PANEL.					
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY MISCELLANEOUS STEEL REQUIRED FOR MOUNTING ELECTRICAL EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE TO SIZE STEEL AND INSTALL PROPERLY FOR THE LOAD INTENDED.					
8. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS AND DETAILS/ELEVATIONS TO COORDINATE THE EXACT LOCATION OF ALL ELECTRICAL DEVICES OR EQUIPMENT TO BE INSTALLED IN CASework, CABINETS, GENERAL AREAS, ETC. DRAWINGS SHALL NOT BE SCALLED. COORDINATE WITH FINAL CASEWORK LAYOUTS. ANY CONTRACTOR WHO FAILS TO COMPLY SHALL BEAR ALL COSTS OF EACH TRADE FOR DISCONNECTING, REMOVING AND REINSTALLING SYSTEM, EQUIPMENT OR PORTIONS THEREOF.					
9. EACH TRADE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THE AVAILABLE SPACE IN THE CONCEALED AREAS OF THE STRUCTURE. HE MUST COORDINATE ALL THE WORK TO BE DONE AND EQUIPMENT TO BE INSTALLED IN ADVANCE AND PRIOR TO INSTALLING ANY SYSTEM OR PORTION THEREOF.					
10. ALL LOW VOLTAGE WIRING MUST BE AN APPROVED AIR PLenum CABLE, OR RUN IN CONDUIT.					
11. ALL LOW VOLTAGE WIRING NOT INSTALLED IN CONDUIT, ABOVE CEILINGS MUST BE RUN PERPENDICULAR AND/OR PARALLEL TO BUILDING STEEL. ALL CABLES MUST BE NEATLY TRAINED AND WIRED TIED OR VELCRO STRAPPED TO THE BUILDING STEEL, OR INSTALLED ON J-HOOKS, BRIDLE RINGS OR IN CABLE TRAY WITH 25% SPARE CAPACITY. CABLES THAT ARE SIMPLY TRAPPED THROUGH STEEL OR RUN AT ODD ANGLES WILL HAVE TO BE REMOVED AND REINSTALLED.					
12. ALL CONDUIT AND WIRING RUN TO AND IN FINISHED SPACES (I.E., CLASSROOMS, CORRIDORS, OFFICES, SERVICE ROOMS, ETC.) MUST BE CONCEALED. CONDUIT MAY BE RUN EXPOSED IN UNFINISHED AREAS (I.E., GRANARIES, SPACES, DATA CLOSETS, MECHANICAL EQUIPMENT ROOMS, ETC.). NO SURFACE RACEWAY SHALL BE USED UNLESS APPROVED BY THE ARCHITECT OR IN WRITING. IN EXISTING CONSTRUCTION WHERE WALLS ARE SOLIDLY FILLED (I.E. WITH GROUT) THE CONTRACTOR, WITH WRITTEN APPROVAL FROM THE ENGINEER OR ARCHITECT, SHALL PROVIDE SIMILAR TO WIREMOLD V700 SERIES METALLIC RACEWAY AT NO ADDITIONAL COST TO THE OWNER. FINAL ROUTING SHALL BE APPROVED BY ENGINEER/ARCHITECT. FINISH SELECTED BY ARCHITECT FROM COMPLETE LIST OF STANDARD FINISHES.					
13. OUTLETS MOUNTED BACK TO BACK AND/OR THE USE OF THROUGH BOXES IS NOT PERMITTED.					
14. CONDUITS AT EXTERIOR WALLS SHALL BE INSTALLED VERTICALLY WITHIN THE STUD OR BLOCK CAVITY OF THE WALL AND SHALL NOT BE INSTALLED IN THE AIR CAP BETWEEN THE WALL STRUCTURE AND CLADDING OR VENEER, NOR WITHIN THE SPACE WHERE SPRAY FOAM OR RIGID INSULATION IS LOCATED. CONDUITS SHALL NOT PENETRATE THROUGH WALL FLASHING OF ANY SORT. WHERE CONDUIT IS INSTALLED TO PENETRATE THROUGH THE EXTERIOR, THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT TO PREPARE AND REPAIR THE VAPOR BARRIER, AND PROVIDE SEALANT AT THE PENETRATION FACE WITH MATERIAL COMPATIBLE WITH THE WALL MATERIAL. REFER TO ARCHITECTURE DOCUMENTS FOR ADDITIONAL REQUIREMENTS AND/OR DETAILS.					
15. THE CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING OF EXISTING SURFACES THAT IS REQUIRED FOR HIS WORK. PATCHING SHALL INCLUDE EVERYTHING TO MATCH ADJACENT SURFACES.					
16. THE CONTRACTOR SHALL COORDINATE ALL DEVICES ASSOCIATED WITH MECHANICAL, PLUMBING AND ARCHITECTURAL EQUIPMENT INDICATED TO HAVE POWER CONNECTIONS WITH CONTRACTOR PROVIDING EQUIPMENT PRIOR TO ORDERING DEVICES AND ROUGH-INS. THE CONTRACTOR SHALL REQUEST SHOP DRAWINGS FOR ALL EQUIPMENT REQUIRING POWER BEFORE ROUGH-IN. ANY REWORK REQUIRED DUE TO FAILURE OF COORDINATION SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.					
17. THE CONTRACTOR SHALL VERIFY THE MOUNTING HEIGHT OF BUILDING MOUNTED LIGHT FIXTURES WITH THE ARCHITECT BEFORE ROUGHING IN.					
18. THE CONTRACTOR SHALL COORDINATE THE MOUNTING HEIGHT OF ALL SURFACE RACEWAY WITH THE OWNER FOR OWNER SUPPLIED FURNITURE. WHERE SURFACE RACEWAY IS DIRECTED TO BE INSTALLED BELOW COUNTERTOPS, CONTRACTOR SHALL PROVIDE WOOD BLOCKING TO ALLOW THE RACEWAY TO BE ROUTED IN FRONT OF COUNTER SUPPORTS. THIS BLOCKING SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.					
19. FOR WORK REQUIRED WITHIN AREAS OF THE EXISTING BUILDING WHERE NO GENERAL TRADES WORK IS REQUIRED, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING THE CEILING GRID, CONDUIT, AND INSULATION FOUND ABOVE THE CEILING TO PERFORM THE WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND ARCHITECT IN WRITING WITH DATED PHOTOGRAPHIC EVIDENCE OF ANY DAMAGED CEILING TILES PRIOR TO REMOVAL. OTHERWISE, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGED CEILING TILES WITHIN THE AREA OF WORK.					
20. ALL LOW VOLTAGE (BELOW 120V) COPPER CABLE RUN TO EXTERIOR OF BUILDING MUST BE LIGHTNING PROTECTED PER CODE. CONTRACTOR SHALL PROVIDE SOLID STATE LIGHTNING PROTECTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.					
21. PROVIDE BOX EXTENSIONS WHEREVER WALL MOUNT ELECTRICAL DEVICES, INCLUDING, BUT NOT LIMITED TO RECEPTACLES, DATA JACKS, A/V CONNECTIONS, WALL SWITCHES, ETC. ARE LOCATED AT TACKBOARDS, CABINETS, CASEWORK OR OTHER WALL COVERING, AND CANNOT BE LOCATED ADVANCED DUE TO SPACE CONSTRAINTS, EQUIPMENT REQUIREMENTS OR DIRECTION VIA ARCHITECT/ENGINEER. THE DEVICE COVER PLATE SHALL COVER THE OPENING IN THE TACKBOARD, CABINETS, CASEWORK OR WALL COVERING TO CREATE A NICE AND NEAT FLUSH INSTALLATION.					
22. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROVIDE FINAL POWER CONNECTIONS TO ALL POWERED EQUIPMENT FURNISHED BY OTHER CONTRACTORS AND THE OWNER. INDIVIDUAL CIRCUITS NOT PROVIDED BY THE CONTRACTOR SHALL BE PROVIDED BY THE CONTRACTOR. THIS INCLUDES, BUT NOT LIMITED TO, OVERHEAD GRILLES AND DOORS, AUTOMATIC DOORS, SECURITY GRILLES, GYM EQUIPMENT, MOTORIZED SHADES, MOTORIZED PROJECTION SCREENS, ETC. PROVIDE ADDITIONAL 120V AND LOW VOLTAGE CONNECTIONS, SUPPLIED FROM CIRCUITS(S) TO INDIVIDUAL MOTORS, AS REQUIRED BY THE MANUFACTURER FOR WINDOW SHADING SYSTEMS, ALL POWER AND LOW VOLTAGE CONNECTIONS AND WIRING WITH SHOP DRAWINGS PRIOR TO ROUGH-IN.					
23. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL INSTALL ALL SAFETY AND CONTROL DEVICES AND WIRE PER MANUFACTURER REQUIREMENTS SHIPPED LOOSE WITH ARCHITECT EQUIPMENT, INCLUDING BUT NOT LIMITED TO, OVERHEAD GRILLES AND DOORS, AUTOMATIC DOORS, SECURITY GRILLES, GYM EQUIPMENT, MOTORIZED SHADES, MOTORIZED PROJECTION SCREENS, ETC. PROVIDE ADDITIONAL 120V AND LOW VOLTAGE CONNECTIONS, SUPPLIED FROM CIRCUITS(S) TO INDIVIDUAL MOTORS, AS REQUIRED BY THE MANUFACTURER FOR WINDOW SHADING SYSTEMS, ALL POWER AND LOW VOLTAGE CONNECTIONS AND WIRING WITH SHOP DRAWINGS PRIOR TO ROUGH-IN.					
24. UNLESS NOTED OTHERWISE, LIGHT SWITCHES INDICATED IN ROOMS SHALL CONTROL THE LIGHTING IN THAT ROOM. WHERE MULTIPLE SWITCHES ARE LOCATED, REFER TO THE ASSOCIATED DRAWING NOTES AND/OR SUB-LETTER DESIGNATION FOR THE LIGHTING TO BE CONTROLLED BY EACH SWITCH.					
25. THE CONTRACTOR SHALL PROVIDE AN ADDITIONAL FIVE (5) DATA DROPS FOR ATC PANELS. THESE DROPS SHALL BE COORDINATED WITH THE INSTALLING CONTRACTOR. EACH DROP SHALL MEET THE DATA SPECIFICATIONS AND INCLUDE A JACK, BACKBOX, COVERPLATE, 300' OF HORIZONTAL WIRING, 20' OF CONDUIT AND OTHER EQUIPMENT FOR A FUNCTIONING NETWORK.					
26. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL KNOWN AND UNKNOWN UNDERGROUND UTILITIES AND EQUIPMENT FOR BOTH EXTERIOR AND INTERIOR APPLICATIONS WITH THE USE OF GROUND PENETRATING RADAR (GPR) BEFORE TRENCHING, SAW CUTTING, AND EXCAVATING. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY BELOW GRADE UTILITIES THAT ARE DAMAGED DUE TO FAILURE TO VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. SIGNED AND DATED DOCUMENTATION OF GPR SHALL BE AVAILABLE UPON REQUEST.					

LIGHTING FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NUMBER	WATTS	VOLTS	MOUNTING	APPROVED SUBSTITUTES
A	METALUX	24CZ-LDS-40-UNV-L840-C01	31	277	RECESSED	COLUMBIA LITHONIA ELITE
A1	METALUX	22CZ-LDS-39-UNV-L840-C01	29	277	RECESSED	COLUMBIA LITHONIA ELITE
B	LITHONIA	CPX 1X4 3200LMHE 80CR1 40K SWL MIN10 MVOLT	27	277	RECESSED	METALUX COLUMBIA ELITE
C	LITHONIA	CPX 2X4 4000LMHE 80CR1 40K SWL MIN10 MVOLT	35	277	RECESSED	METALUX COLUMBIA ELITE
C1	LITHONIA	CPX 2X2 3200LMHE 80CR1 40K SWL MIN10 MVOLT	28	277	RECESSED	METALUX COLUMBIA ELITE
D	LITHONIA	ZLD-148-SMR-3000LM-FST-MVOLT-40K-B0CR1-WH	30	277	SURFACE/CHAN HUNG	METALUX COLUMBIA ELITE
E1	EMERGILITE	LX42-N-R-C	1.4	120/277	UNIVERSAL	EVENLITE LITHONIA SURE-LITES
E2	EMERGILITE	LX43-N-R-M	1.4	120/277	UNIVERSAL	EVENLITE LITHONIA SURE-LITES
E3	EMERGILITE	WFREMSNR	3.3	120/277	UNIVERSAL	EVENLITE LITHONIA SURE-LITES
EV	EMERGILITE	BASV1R-4X	1.2	120/277	UNIVERSAL	EVENLITE LITHONIA SURE-LITES
F	FINELITE	HPRLED-A-2X4-B-840-96LG-277-SC-FC105-C1-96LG	35	277	RECESSED	CORELITE MARK CERTOLUX
G	FINELITE	HPRLED-A-2X4-B-840-96LG-277-SC-FC105-C1-96LG	35	277	RECESSED	CORELITE MARK CERTOLUX
H	PRESCOLITE	LTR-4RD-H-ML15L-DM1-LTR-4RD-T-ML40K8WD-SS-WT	19	277	RECESSED	ATLANTIC GOTHAM ELITE
J	PRESCOLITE	LTR-4RD-H-ML20L-DM1-LTR-4RD-T-ML40K8WD-SS-WT	23	277	RECESSED	ATLANTIC GOTHAM ELITE
K	KENALL	CS6D-24-67L-40K8-DM1-DV-5F-4H-SYM-FN	72	277	RECESSED	LITHONIA CERTOLUX FAIL-SAFE
K1	KENALL	CS6D-22-45L-40K8-DM1-DV-5F-4H-SYM-FN	49	277	RECESSED	LITHONIA CERTOLUX FAIL-SAFE
L	FINELITE	H04-R-0-RO-XX-B-840-OPN-96LG-277-SC-C1-SW	4.4/FT.	277	RECESSED	AXIS MARK GAMMALUX
M	AIRY-THOMPSON	13L-N-40K-36-2-3-SWD	13	277	SURFACE UNDER CABINET	TECH LIGHTING DAY-O-LITE HEALTHCARE
N	LITHONIA	ELML6 UVOLT LTP HO	2 @ 5.3	120/277	WALL	EVENLITE SURE-LITES
P	LITHONIA	ELMR6 LP220L T	2 @ 1.2	120/277	WALL	EVENLITE SURE-LITES
R	LITHONIA	ELMRW LP220L T	2 @ 1.2	120/277	WALL	EVENLITE SURE-LITES
T	SOLAS	SDR/NFL/940/160/2/BK/CM1/BK/UNV/AS	16	277	SURFACE DANCE	LUMINATURE
U	SOLAS	GP22/SN/14'/BK-UM/TCV-SH/ECC-SH/LJB	76	277	PENDANT TRACK	LUMINATURE
V	SOLAS	GP22/SN/X/BK-UM/TCV-SH/ECC-SH/LJB	264	277	PENDANT TRACK	LUMINATURE
W	PRESCOLITE	LTC-4RD-CMBLCC-2040K8WD-DM1-SS-BT-BL	23	277	PENDANT	ATLANTIC GOTHAM ELITE
X	METALUX	2VT2-LDS-2-R-UNV-L840-C01-WL-SSL	17	277	SURFACE/WALL	LITHONIA COLUMBIA CERTOLUX
Y						
Z						
XA	GOTHAM	EVO45H 40/20 DFR SOL MVOLT EZ10	20	277	RECESSED	PRESCOLITE ATLANTIC ELITE
XB	INVE	CCW-VA2-840-U-T2-BZ	41	277	WALL	LITHONIA NLS LTG.
XC						

LIGHTING FIXTURE SCHEDULE NOTES:

1. PROVIDE 0-10V STANDARD DIMMING DRIVER IN FIXTURE.
2. PROVIDE 4000K COLOR TEMPERATURE.
3. E.C. SHALL VERIFY MOUNTING CONFIGURATION (WALL OR CEILING) AND DIRECTIONAL ARROWS PRIOR TO ORDERING FIXTURE.
4. VERIFY SUSPENSION LENGTH OF TRACK IN THE FIELD PRIOR TO ORDERING UTILIZING ADJUSTABLE AIRCRAFT CABLE MOUNTING SUPPORTS. PROVIDE LENGTH OF TRACK AS SCALLED ON DRAWING. PROVIDE CAT. #LCM/2/FT/1940/2300/BK/GP2C TRACK LIGHT FIXTURE HEADS IN QUANTITY INDICATED ON DRAWING. PROVIDE ALL CONNECTORS, ADAPTERS, END CAPS, ETC. FOR A COMPLETE INSTALLATION.
5. REFER TO DRAWINGS FOR STRAIGHT RUN OVERALL FIXTURE LENGTHS. VERIFY CEILING HARDWARE TYPE/MOUNTING WITH ARCHITECT PRIOR TO ORDERING FIXTURE.
6. COORDINATE ORIENTATION OF INTEGRAL DRIVER WITH H.C. AND DUCTWORK LAYOUT PRIOR TO INSTALLATION OF EACH LIGHT FIXTURE.
7. VERIFY SUSPENSION LENGTH OF TRACK IN THE FIELD PRIOR TO ORDERING UTILIZING ADJUSTABLE AIRCRAFT CABLE MOUNTING SUPPORTS. PROVIDE (4) CAT. #MDR/2/NFL/940/2000/BK/G2/AS ACRYLIC SNOOT PENDANT TRACK LIGHT FIXTURE HEADS. FIXTURE PENDANT LENGTH SELECTED BY ARCHITECT. PROVIDE ALL CONNECTORS, ADAPTERS, END CAPS, ETC. FOR A COMPLETE INSTALLATION.
8. FIELD CUT FIXTURE CABLE TO LENGTH DESIRED BY ARCHITECT.



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RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE
1111 COMMONS BLVD, READING, PA 19605

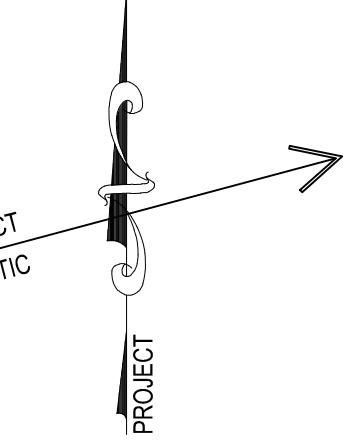
PANEL SCHEDULES

JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

EXISTING PANEL WITH GND BAR										FED FROM:									
PANEL:	P1	MAIN:	225A MLO	0:	3	AIC RATING:	WIRES:	4	POLES:										
VOLTS:	120 / 208	MOUNTING:	surface	LOCATION: DATA CLOSET 123B															
REMARKS & LOCATION	LOAD	BKR	CKT A	B	C	CKT BKR	LOAD	REMARKS & LOCATION											
SPB RECEPT'S CLASSROOM	1080	20	1	2	20	720	RECEPT'S CLASSROOM	SPB											
SPB RECEPT'S MOTOR CLASSRM., TOILET	1080	20	3	4	20	720	RECEPT'S CLASSROOM, TOILET	SPB											
SPB RECEPT'S VESTIBULE, RECEPTION	1080	20	5	6	20	1000	RECEPT. MICROWAVE CLASSROOM	SPB											
SPB RECEPT. COPIER RECEPTION	1000	20	7	8	20	360	RECEPT'S COUNTER CLASSROOM	SPB											
SPARE	0	20	9	10	20	1000	RECEPT. REFRIG. CLASSROOM	SPB											
SPARE	0	20	11	12	20	0	SPARE												
SPARE	0	20	13	14	20	0	SPARE												
SPARE	0	20	15	16	20	0	SPARE												
SPARE	0	20	17	18	20	0	EXISTING CIRCUIT												
SPARE	0	20	19	20	20	0	SPARE												
SPARE	0	20	21	22	20	0	SPARE												
SPARE	0	20	23	24	20	0	SPARE												
SPARE	0	20	25	26	20	0	SPARE												
SPARE	0	20	27	28	20	0	SPARE												
SPARE	0	20	29	30	20	0	SPARE												
SPARE	0	20	31	32	20	0	SPARE												
SPARE	0	20	33	34	20	0	SPARE												
SPARE	0	20	35	36	20	0	SPARE												
SPARE	0	20	37	38	15	0	SPARE												
RNCB CU-1 & AC-1	2500	20	39	40	40	0	EXISTING CIRCUIT												
RNCB	2	41	42	3															

EXISTING RELOCATED PANEL WITH GND BAR										FED FROM:									
PANEL:	P5	MAIN:	225A MLO	0:	3	AIC RATING:	WIRES:	4	POLES:										
VOLTS:	120 / 208	MOUNTING:	surface	LOCATION: STORAGE 100G															
REMARKS & LOCATION	LOAD	BKR	CKT A	B	C	CKT BKR	LOAD	REMARKS & LOCATION											
• EXISTING CIRCUIT	0	20	1	2	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	3	4	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	5	6	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	7	8	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	9	10	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	11	12	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	13	14	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	15	16	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	17	18	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	19	20	20	0	EXISTING CIRCUIT												
• EXISTING CIRCUIT	0	20	21	22	20	0	EXISTING CIRCUIT												
SPARE	0	20	23	24	20	0	SPARE												
SPARE	0	20	25	26	20	0	SPARE												
SPARE	0	20	27	28	20	0	SPARE												
SPARE	0	20	29	30	20	0	SPARE												
SPARE	0	20	31	32	20	0	SPARE												
SPARE	0	20	33	34	20	0	SPARE												
SPARE	0	20	35	36	20	0	SPARE												
SPARE	0	20	37	38	20	0	SPARE												
SPARE	0	20	39	40	20	0	SPARE												
SPARE	0	20	41	42	20	0	SPARE												

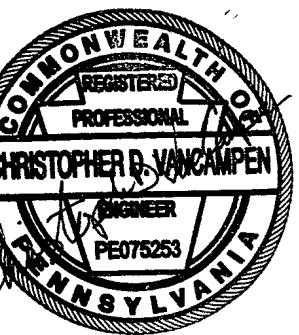
EXISTING PANEL WITH GND BAR										FED FROM:	
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RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCI MAIN OFFICE

PANEL SCHEDULES

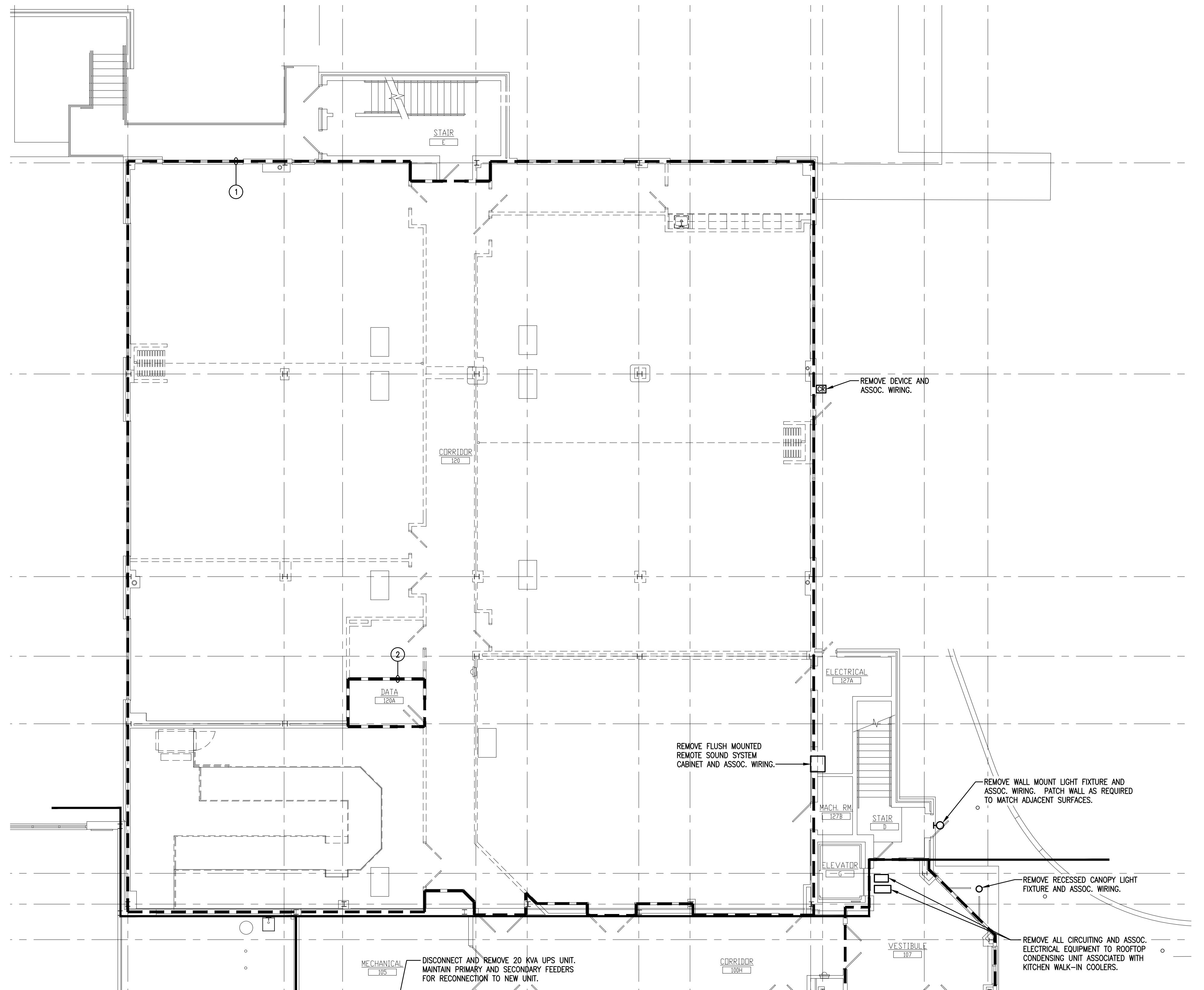
PANEL SCHEDULE LEGEND

GF - PROVIDE CIRCUIT BREAKER WITH GROUND FAULT CIRCUIT INTERRUPTER.
HL - PROVIDE BREAKER HANDLE LOCK ON/OFF ACCESSORY.
EPD - PROVIDE 30 MA, GROUND FAULT, EQUIPMENT PROTECTION RATED CIRCUIT BREAKER.
NCB - PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANEL SPACE.
SPB - NEW CIRCUIT CONNECTED TO SPARE BREAKER, BREAKER MADE SPARE DURING PROJECT DUE TO EQUIPMENT DEMOLITION.
RNCB - REMOVE EXISTING BREAKER MADE SPARE DURING PROJECT DUE TO EQUIPMENT DEMOLITION AND PROVIDE NEW CIRCUIT BREAKER IN SAME SPACE.
ST - PROVIDE SHUNT TRIP CIRCUIT BREAKER.

EXISTING PANEL										FED FROM:	
WITH GRID. BAR		PANEL: L1		MAINS: 225A MLO		Ø: 3		WIRING: 4		POLES: DATA 12B	
REMARKS & LOCATION		LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION
SPB	FPV-A1, FPV-A5	2600	20	1	2	20	0	0	0	EXISTING CIRCUIT	
SPB	FPV-A2, FPV-A6	2600	20	3	4	20	1800	0	0	FPV-A3, FPV-A4	SPB
SPB	FPV-A7, FPV-A8	1800	20	5	6	20	1666	0	0	LTS. CLASSROOMS	SPB
SPB	LTS. CLASSROOMS	1705	20	7	8	20	125	0	0	LTS. CORRIDOR	SPB
SPARE		0	20	9	10	20	0	0	0	SPARE	
SPARE		0	20	11	12	20	0	0	0	SPARE	
SPARE		0	20	13	14	20	0	0	0	SPARE	
EXISTING CIRCUIT		0	20	15	16	20	0	0	0	SPARE	
EXISTING CIRCUIT		0	20	17	18	20	0	0	0	SPARE	
SPARE		0	20	19	20	20	0	0	0	SPARE	
SPARE		0	20	21	22	30	0	0	0	EXISTING CIRCUIT	
SPARE		0	20	23	24	30	0	0	0	SPARE	
SPARE		0	20	25	26	30	0	0	0	SPARE	
SPARE		0	20	27	28	20	0	0	0	SPARE	
SPARE		0	20	29	30	20	0	0	0	EXISTING CIRCUIT	
SPARE		0	20	31	32	15	0	0	0	SPARE	
SPARE		0	20	33	34	15	0	0	0	SPARE	
EXISTING CIRCUIT		0	20	35	36	15	0	0	0	EXISTING CIRCUIT	
SPB		15	37	38	30	40	3	0	0	BLANK	
SPB		39	40	42	3	0	0	0	0	BLANK	
SPB		3	41						0	BLANK	

EXISTING PANEL										FED FROM:	
WITH GRID. BAR		PANEL: L7		MAINS: 225A MLO		Ø: 3		WIRING: 4		POLES: MECHANICAL 204	
REMARKS & LOCATION		LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION
SPB		0	20	1	2	20	0	0	0	EXISTING CIRCUIT	
SPB		0	20	3	4	20	0	0	0	EXISTING CIRCUIT	
SPB		0	20	5	6	20	0	0	0	EXISTING CIRCUIT	
SPB		0	20	7	8	20	1700	0	0	FPV-A23	SPB
SPB		0	20	9	10	20	2600	0	0	FPV-A21, FPV-A22	SPB
SPARE		0	20	11	12	20	0	0	0	SPARE	
SPARE		0	20	13	14	20	0	0	0	SPARE	
SPARE		0	20	15	16	20	0	0	0	SPARE	
SPARE		0	20	17	18	20	0	0	0	SPARE	
SPARE		0	20	19	20	20	0	0	0	SPARE	
SPARE		0	20	21	22	20	0	0	0	SPARE	
SPARE		0	20	23	24	20	0	0	0	SPARE	
EXISTING CIRCUIT		0	20	25	26	40	0	0	0	EXISTING CIRCUIT	
SPB		3	27	28	30	3	0	0	0	EXISTING CIRCUIT	
EXISTING CIRCUIT		0	15	31	32	15	0	0	0	EXISTING CIRCUIT	
SPB		3	33	34	36	3	0	0	0	EXISTING CIRCUIT	
EXISTING CIRCUIT		0	30	37	38	15	0	0	0	EXISTING CIRCUIT	
SPB		3	39	40	42	3	0	0	0	EXISTING CIRCUIT	
SPB		3	41						0	BLANK	

EXISTING PANEL										FED FROM:	
WITH GRID. BAR		PANEL: L3		MAINS: 225A MLO		Ø: 3		WIRING: 4		POLES: DATA 320E	
REMARKS & LOCATION		LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION
SPB	LTS. EARLY CHILDHOOD	1200	20	1	2	20	600	0	0	EXISTING CIRCUIT & NEW LIGHTS	
SPB	FPV-A20	1700	20	3	4	20	0	0	0	EXISTING CIRCUIT	
SPB	LTS. CLRM., OPEN SPACE HOME	1511	20	5	6	20	0	0	0	EXISTING CIRCUIT	
SPB	EXISTING CIRCUIT	0	20	7	8	20	1700	0	0	FPV-A23	SPB
SPB	SPARE	0	20	9	10	20	2600	0	0	FPV-A21, FPV-A22	SPB
SPB	SPARE	0	20	11	12	20	0	0	0	SPARE	
SPB	SPARE	0	20	13	14	20	0	0	0	SPARE	
SPB	SPARE	0	20	15	16	20	0	0	0	SPARE	
SPB	SPARE	0	20	17	18	20	0	0	0	SPARE	
SPB	SPARE	0	20	19	20	20	0	0	0	SPARE	
SPB	SPARE	0	20	21	22	20	0	0	0	SPARE	
SPB	SPARE	0	20	23	24	20	0	0	0	SPARE	
EXISTING CIRCUIT		0	20	25	26	40	0	0	0	EXISTING CIRCUIT	
SPB		3	27	28	30	3	0	0	0	EXISTING CIRCUIT	
EXISTING CIRCUIT		0	15	31	32	15	0	0	0	EXISTING CIRCUIT	



FIRST FLOOR PLAN - UNIT A - DEMOLITION

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

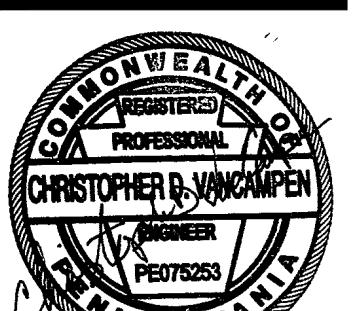
DRAWING NOTES:

1. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THIS AREA UNLESS NOTED OR SHOWN OTHERWISE. ELECTRICAL EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, LIGHT FIXTURES, WIRING, DEVICES, FLOOR BOXES, FIRE ALARM SYSTEMS, CLOCKS, SPEAKERS, DATA OUTLETS, TELEPHONE OUTLETS, CCTV SYSTEM, CARD READERS, SECURITY SYSTEM, INTERCOM SYSTEMS, PANELS, WIRING, CONDUIT, DISCONNECT SWITCHES, SURFACE RACEWAY, PULLBOXES, SUPPORTS, ETC. PATCH FLOOR AREAS WHERE BOXES ARE REMOVED AND CONDUITS PENETRATE BELOW FLOOR SURFACE, TO MATCH ADJACENT SURFACES. ITEMS TO BE REMOVED OR RELOCATED WILL BE SHOWN OR NOTED ON DEMOLITION OR NEW WORK DRAWINGS. TURN OVER CCTV SYSTEM CAMERAS TO OWNER.
2. ALL EXISTING EQUIPMENT IN THIS AREA TO REMAIN EXCLUDING LIGHT FIXTURES, ASSOCIATED CONTROLS AND WIRING.
3. REMOVE ALL LIGHT FIXTURES, ASSOCIATED CONTROLS AND WIRING IN THIS AREA. REMOVE ALL FIRE ALARM SYSTEM DEVICES AND WIRING IN THIS AREA.
4. REMOVE PANEL IN ITS ENTIRETY INCLUDING BACKBOX AND FEEDER. CAPTURE ALL ACTIVE BRANCH WIRING CIRCUITS ABOVE PANEL IN ACCESSIBLE CEILING PLenum AS REQUIRED FOR EXTENSION TO NEW PANEL 'P0'. SEE NEW PANEL SCHEDULE FOR CIRCUIT EXTENSION INFORMATION.
5. RELOCATE PANEL TO LOCATION SHOWN ON DRAWING E-C2. INTERCEPT EXISTING FEEDER ABOVE ACCESSIBLE CEILING AS REQUIRED, SPLICE WITH NEW WIRING TO MATCH EXISTING AND EXTEND TO RELOCATED PANEL. REMOVE ACTIVE BRANCHING CIRCUITS ABOVE PANEL IN ACCESSIBLE CEILING PLenum AS REQUIRED FOR EXTENSION TO NEW LOCATION OF EXISTING PANEL. SEE PANEL SCHEDULE FOR CIRCUIT EXTENSION INFORMATION.
6. REMOVE ALL LIGHTING CONTROLS (SWITCHES AND OCCUPANCY SENSORS) AND ASSOCIATED WIRING TO LIGHT FIXTURES WITHIN THIS AREA. LIGHT FIXTURES TO REMAIN AND BE RE-WIRED WITH NEW CONTROLS AS INDICATED ON DRAWING E-A5.

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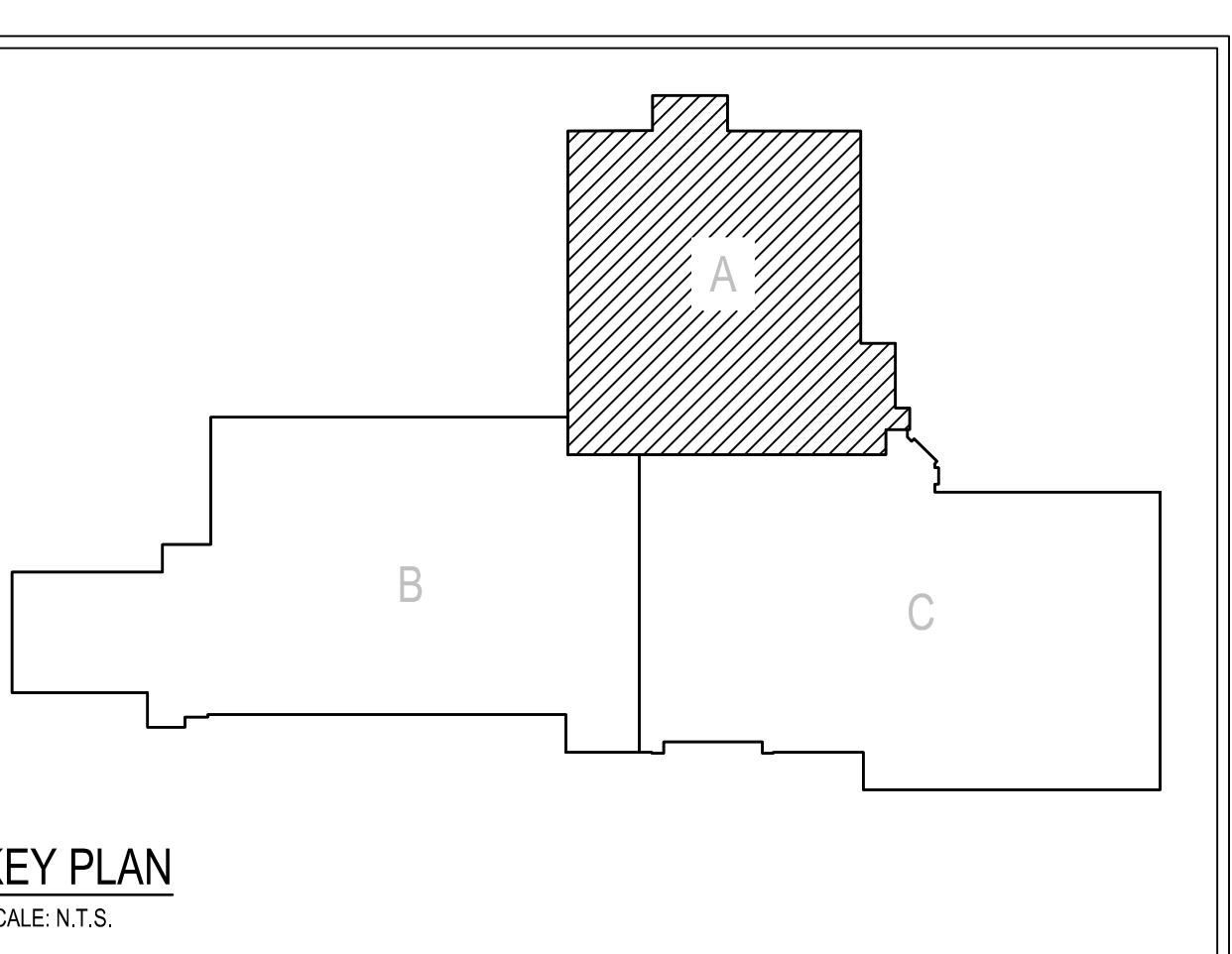
FIRST FLOOR PLAN - BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE
1111 COMMONS BLVD, READING, PA 19605
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
ADDITIONS AND EXISTING CONDITION
AS SHOWN
by the CONTRACTOR at the SITE

JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

ED-A1

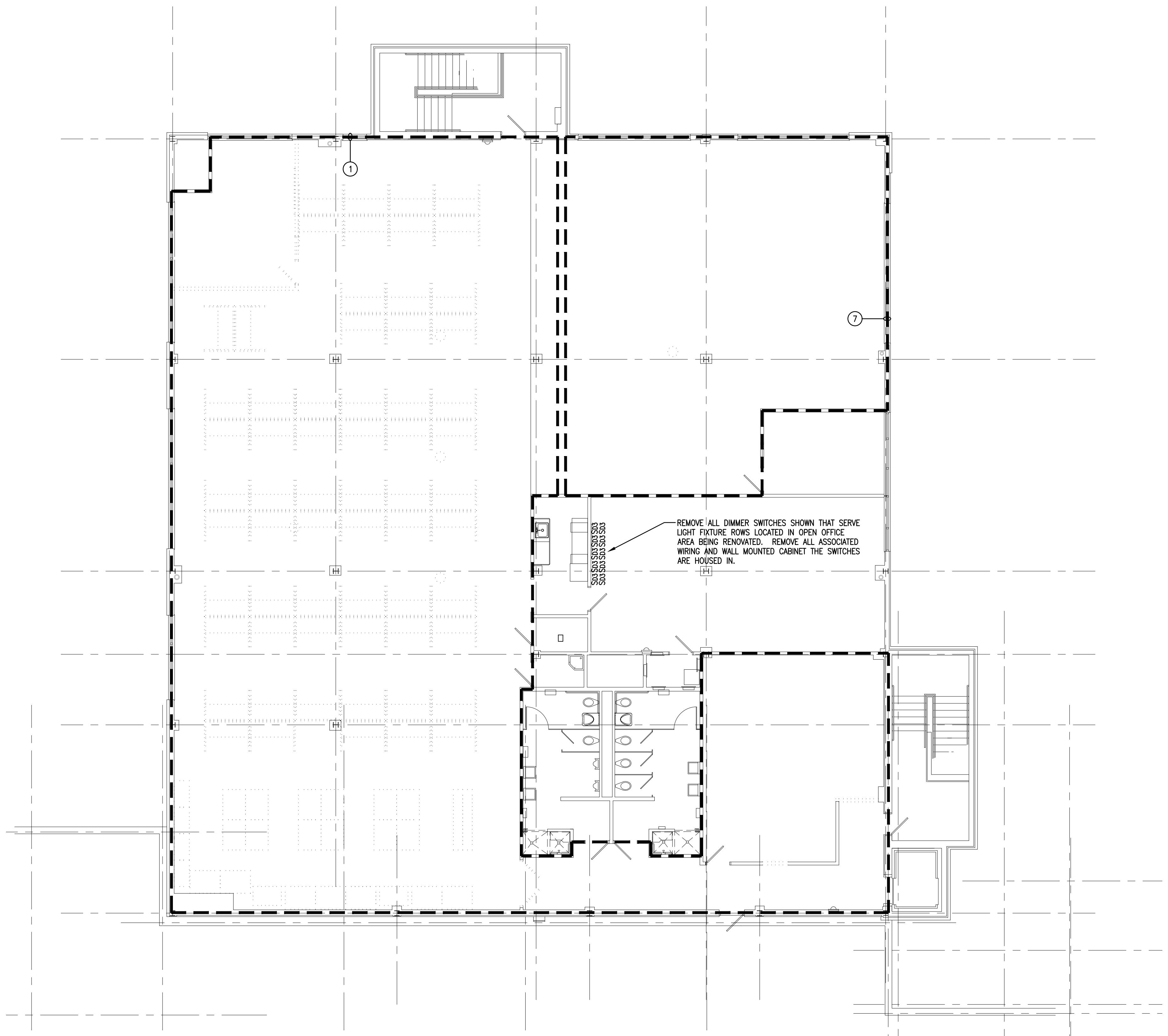
PROJECT DEMOLITION NOTES: (APPLY TO ALL SHEETS)

1. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE EXISTING FACILITY AND ALL CONTRACT DRAWINGS TO DETERMINE THE EXTENT OF THE ELECTRICAL DEMOLITION WORK. THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WITH ALL TRADES AND PHASING SCHEDULE. ELECTRICAL DEMOLITION SHALL INCLUDE ALL WORK AS OUTLINED BELOW.
2. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ELECTRICAL EQUIPMENT AS SHOWN OR NOTED. ITEMS TO BE RETAINED OR RELOCATED WILL BE SHOWN OR NOTED ON THE DEMOLITION OR NEW WORK DRAWINGS. ALL ASSOC. EQUIPMENT SUPPORTS (ALL-THREAD ROD, UNISTRUT, ETC.) SHALL BE REMOVED ALSO.
3. REMOVE ALL EXISTING CONDUIT AND WIRING BEING ABANDONED. EXISTING CONDUITS IN GOOD CONDITION AND LOCATED CORRECTLY TO ACCOMMODATE NEW WORK MAY REMAIN IN PLACE AND BE REUSED PROVIDED THAT THE CONDUITS DO NOT AFFECT OTHER TRADE CONTRACTORS. THE CONTRACTOR SHALL PROVIDE PROPER SUPPORT AS PER NEC FOR ANY CONDUITS BEING REUSED.
4. RELOCATE OR EXTEND EXISTING CIRCUITS NOT BEING ABANDONED, AS REQUIRED ON A PERMANENT BASIS, TO ACCOMMODATE NEW WORK AND MAINTAIN CIRCUIT INTEGRITY.
5. CONTRACTOR SHALL PATCH WALLS, FLOORS, CEILINGS, ETC. TO MATCH ADJACENT SURFACES WHERE EXISTING EQUIPMENT IS BEING REMOVED. PATCHING SHALL BE PROVIDED FOR ALL OPENINGS, INCLUDING, BUT NOT LIMITED TO OPENINGS FOR CONDUITS, BOXES, ANCHORS, ETC. PATCHING SHALL INCLUDE FINAL FINISH TO MATCH ADJACENT SURFACES. CONTRACTOR SHALL REMOVE ALL RECESSED CEILINGS AND PATCH SURFACES.
6. THE OWNER SHALL HAVE FIRST CHOICE OF ANY EXISTING EQUIPMENT OR MATERIALS BEING REMOVED. THE CONTRACTOR SHALL DELIVER ITEM TO BE SALVAGED BY THE OWNER TO DESIGNATED STORAGE AREA ON THE JOB SITE. ALL EQUIPMENT AND MATERIALS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR SHALL REMOVE THESE ITEMS FROM THE SITE AND PROPERLY DISPOSE OF THEM.
7. WHERE WIRING AND CONDUIT IS NOTED TO BE REMOVED IN SPECIFIC DEMOLITION DRAWING NOTES, THE WIRING AND CONDUIT SHALL BE REMOVED IN ITS ENTIRETY BACK TO THE SOURCE.
8. E.C. SHALL BE RESPONSIBLE FOR REVIEWING ALL PLUMBING AND HVAC DRAWINGS FOR EQUIPMENT BEING REMOVED INCLUDING EXTERIOR EQUIPMENT ON GRADE AND ROOFTOP EQUIPMENT. ALL EXISTING PLUMBING AND HVAC EQUIPMENT INDICATED TO BE MOVED ON THOSE DRAWINGS SHALL BE MOVED BY E.C. AFTER DEMOLITION BY E.C. SHALL REMOVE ASSOC. WIRING, CONDUIT, SURFACE PACEMAN AND ELECTRICAL EQUIPMENT (STARTERS, DISCONNECTS, VDO'S, SWITCHES, DUCT DETECTORS, ROOFTOP RECEPTACLES, ROOFTOP EQUIPMENT LIGHTS SUPPORTED BY UNISTRUT, ETC.). ALL EXISTING PLUMBING AND HVAC EQUIPMENT INDICATED TO REMAIN ON THOSE DRAWINGS, SHALL REMAIN ELECTRICALLY CONNECTED UNLESS NOTED OTHERWISE ON THE ELECTRICAL DEMOLITION DRAWINGS.
9. AT LOCATIONS WHERE MULTIPLE LIGHT SWITCHES ARE BEING REMOVED AND REPLACED WITH (1) TOGGLE SWITCH OR DIMMER SWITCH, PROVIDE SWITCH BLANK FILLER PLATES AS REQUIRED.
10. PERMANENTLY SUPPORT ALL REMAINING LOW VOLTAGE CABLEING ABOVE ALL CEILINGS WITHIN ALL RENOVATED BUILDING AREAS TO ACCOMMODATE CEILING GRID REMOVAL.
11. TEMPORARILY SUPPORT ALL EXISTING ELECTRICAL CEILING MOUNTED DEVICES IN ENTIRE BUILDING (INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, CCTV SYSTEM CAMERAS, MOTION DETECTORS, ETC.) TO ACCOMMODATE CEILING GRID/REMOVAL THROUGHOUT BUILDING. COORDINATE WORK WITH G.C. AND ARCHITECTURE AFTER DEMOLITION OF NEW CEILING GRID. E.C. SHALL REMOVE AND RELOCATE ALL EXISTING ELECTRICAL CEILING DEVICES, NOT BEING DEMOLISHED, THROUGHOUT THE BUILDING AND MANTAIN ALL WIRING CONNECTIONS AS REQUIRED. PROVIDE NEW PERMANENT SUPPORT FOR EACH DEVICE. REFER TO ARCHITECTURE DRAWINGS FOR EXTENT OF CEILING WORK.
12. ALL CEILING MOUNTED WIRELESS ACCESS POINTS (NODES) TO BE REMOVED BY E.C. DURING DEMOLITION AND TURNED OVER TO OWNER IT STAFF FOR STORAGE DURING CONSTRUCTION. E.C. SHALL LABEL EACH ACCESS POINT WITH ROOM NUMBER USING PAINTER'S TAPE AND MARKER PRIOR TO TURNING OVER TO OWNER. E.C. SHALL REINSTALL WIRELESS ACCESS POINTS WHERE NOTED BY SPECIFIC DRAWING NOTES ON THE POWER DRAWINGS.
13. BATTERIES HOUSED IN EXISTING BATTERY CABINETS SHALL BE DISPOSED OF PROPERLY PER NATIONAL, STATE AND LOCAL REQUIREMENTS.



KEY PLAN

SCALE: N.T.S.



THIRD FLOOR PLAN - UNIT A - DEMOLITION

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

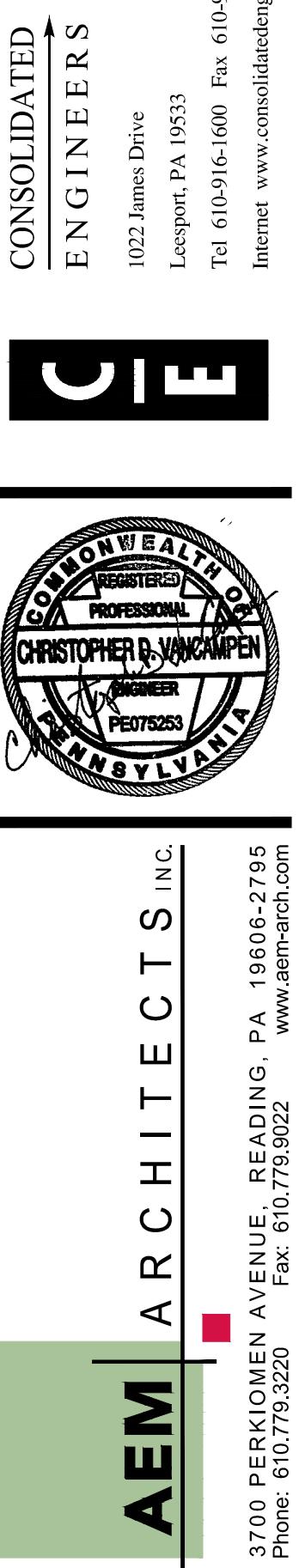
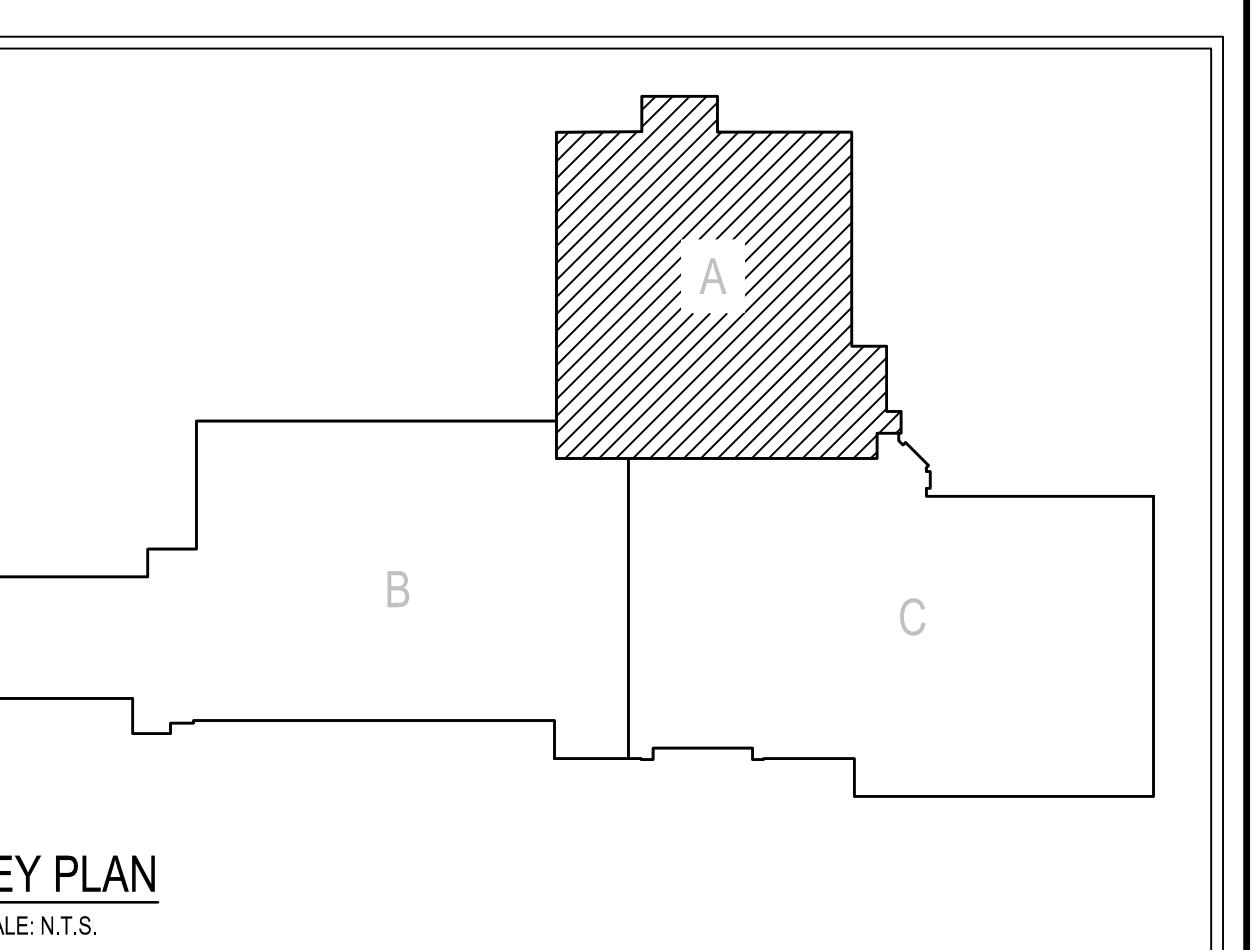
DRAWING NOTES:

1. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THIS AREA, UNLESS NOTED OR SHOWN OTHERWISE. ELECTRICAL EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, LIGHT FIXTURES, WIRING DEVICES, FLOOR BOXES, FIRE ALARM SYSTEMS, CLOCKS, SPEAKERS, DATA OUTLETS, TELEPHONE OUTLETS, CCTV SYSTEM, CARD READERS, SECURITY SYSTEM, INTERCOM SYSTEMS, PANELS, WIRING, CONDUIT, SURFACE RACEWAY, PULLBOXES, SURFACE, ETC. FLOOR AREAS WHERE BOXES ARE REMOVED OR COMPROMISED, BLOW FLOOR SURFACE TO MATCH ADJACENT SURFACES. ITEMS TO BE RETAINED OR RELOCATED WILL BE SHOWN OR NOTED ON DEMOLITION OR NEW WORK DRAWINGS. TURN OVER CCTV SYSTEM CAMERAS TO OWNER.
2. ALL EXISTING EQUIPMENT IN THIS AREA TO REMAIN EXCLUDING LIGHT FIXTURES, ASSOCIATED CONTROLS AND WIRING.
3. REMOVE ALL LIGHT FIXTURES, ASSOCIATED CONTROLS AND WIRING IN THIS AREA. REMOVE ALL FIRE ALARM SYSTEM DEVICES AND WIRING IN THE AREA.
4. REMOVE PANEL IN ITS ENTIRETY INCLUDING BACKBOX AND FEEDER.
5. REMOVE PANEL IN ITS ENTIRETY INCLUDING BACKBOX AND FEEDER. CAPTURE ALL ACTIVE BRANCH WIRING CIRCUITS ABOVE PANEL IN ACCESSIBLE CEILING PLENUM AS REQUIRED FOR EXTENSION TO NEW PANEL "P6". SEE NEW PANEL SCHEDULE FOR CIRCUIT EXTENSION INFORMATION.
6. RELOCATE PANEL TO LOCATION SHOWN ON DRAWING E-C2. INTERCEPT EXISTING FEEDER ABOVE ACCESSIBLE CEILING PLENUM. REROUTE SPURS WITH NEW WIRING TO CAPTURE FEEDER AND EXISTING TO RELOCATED PANEL. CAPTURE ALL ACTIVE BRANCH WIRING CIRCUITS ABOVE PANEL IN ACCESSIBLE CEILING PLENUM AS REQUIRED FOR EXTENSION TO NEW LOCATION OF EXISTING PANEL. SEE PANEL SCHEDULE FOR CIRCUIT EXTENSION INFORMATION.
7. REMOVE ALL LIGHTING CONTROLS (SWITCHES AND OCCUPANCY SENSORS) AND ASSOCIATED WIRING TO LIGHT FIXTURES WITHIN THIS AREA. LIGHT FIXTURES TO REMAIN AND BE RE-WIRED WITH NEW CONTROLS AS INDICATED ON DRAWING E-A5.

THIRD FLOOR PLAN - UNIT A - DEMOLITION
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE

1111 COMMONS BLVD, READING, PA 19605
ADDITIONS and EXISTING CONDITIONS
should be CHECKED and VERIFIED
by the CONTRACTOR at the SITE.
JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

ED-A3



CONSOLIDATED
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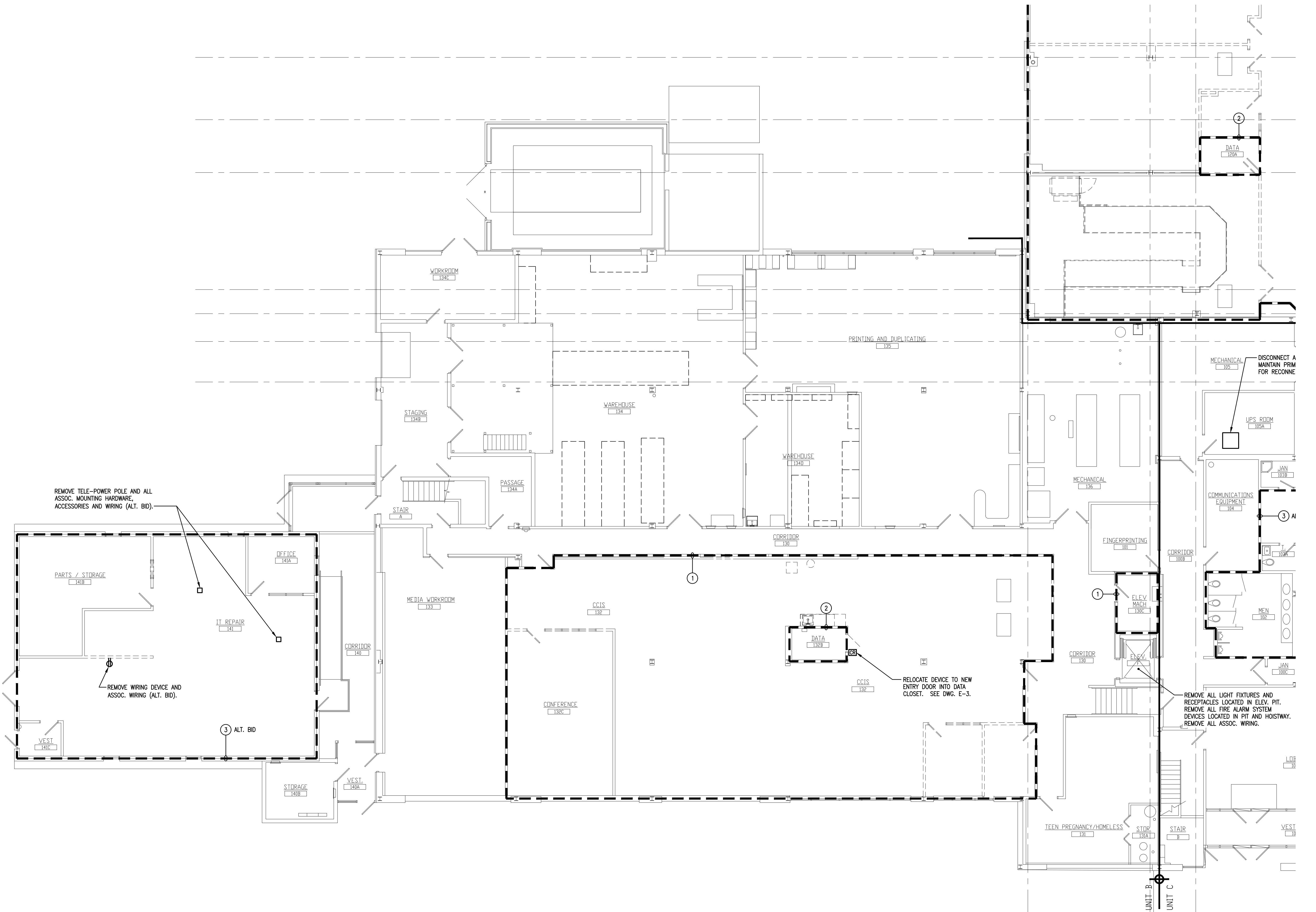


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FIRST FLOOR PLAN - UNIT B - DEMOLITION

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

DRAWING NOTES:

1. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THIS AREA, UNLESS NOTED OR SHOWN OTHERWISE. ELECTRICAL EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, LIGHT FIXTURES, WIRING DEVICES, FLOOR BOXES, FIRE ALARM SYSTEMS, CLOCKS, SPEAKERS, DATA OUTLETS, TELEPHONE OUTLETS, CCTV SYSTEM, CARD READERS, SECURITY SYSTEM, INTERCOM SYSTEMS, PANELS, WIRING, CONDUIT, SURFACE RACEWAY, PULLBOXES, SUPPORTS, ETC. PATCH FLOOR AREAS WHERE BOXES ARE REMOVED AND CONDUITS PENETRATE BELOW FLOOR SURFACE, TO MATCH ADJACENT SURFACES. ITEMS TO BE REMOVED OR RELOCATED, BE SAVED OR NOTED ON DEMOLITION OR NEW WORK DRAWINGS. TURN OVER CCTV SYSTEM CAMERAS TO OWNER.
2. ALL EXISTING EQUIPMENT IN THE AREA TO REMAIN EXCLUDING LIGHT FIXTURES, ASSOCIATED CONTROLS AND WIRING.
3. REMOVE ALL LIGHT FIXTURES, ASSOCIATED CONTROLS AND WIRING IN THIS AREA. REMOVE ALL FIRE ALARM SYSTEM DEVICES AND WIRING IN THIS AREA.
4. REMOVE PANEL IN ITS ENTIRETY INCLUDING BACKBOX AND FEEDER.
5. REMOVE PANEL IN ITS ENTIRETY INCLUDING BACKBOX AND FEEDER. CAPTURE ALL ACTIVE BRANCH WIRING CIRCUITS ABOVE PANEL IN ACCESSIBLE CEILING PLENUM AS REQUIRED FOR EXTENSION TO NEW PANEL "P6". SEE NEW PANEL SCHEDULE FOR CIRCUIT EXTENSION INFORMATION.
6. RELOCATE PANEL TO LOCATION SHOWN ON DRAWING E-C2. INTERCEPT EXISTING FEEDER ABOVE ACCESSIBLE CEILING AS REQUIRED, SPLICE WITH NEW WIRING TO MATCH EXISTING AND EXTEND TO RELOCATED LOCATION. CAPTURE ALL ACTIVE BRANCH WIRING CIRCUITS ABOVE PANEL IN ACCESSIBLE CEILING PLENUM AS REQUIRED FOR EXTENSION TO NEW LOCATION OF EXISTING PANEL. SEE PANEL SCHEDULE FOR CIRCUIT EXTENSION INFORMATION.
7. REMOVE ALL LIGHTING CONTROLS (SWITCHES AND OCCUPANCY SENSORS) AND ASSOCIATED WIRING TO LIGHT FIXTURES WITHIN THIS AREA. LIGHT FIXTURES TO REMAIN AND BE RE-WIRED WITH NEW CONTROLS AS INDICATED ON DRAWING E-A5.

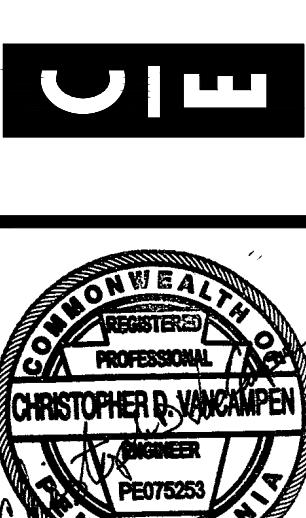
FIRST FLOOR PLAN - UNIT B - DEMOLITION

RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14

BCIU MAIN OFFICE

CONSOLIDATED
ENGINEERS

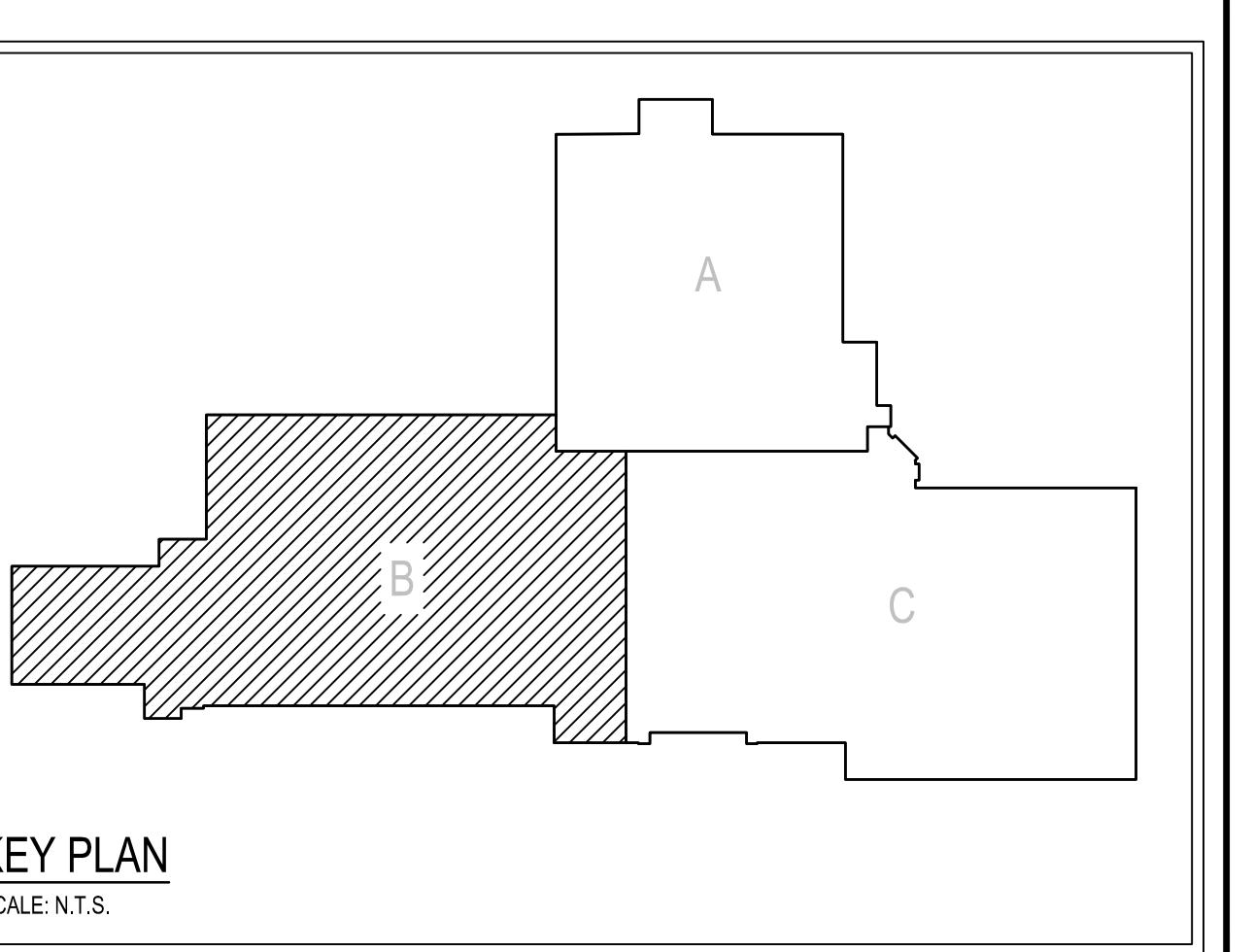
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Internet: www.consolatedengineers.com



AEM ARCHITECTS, INC.

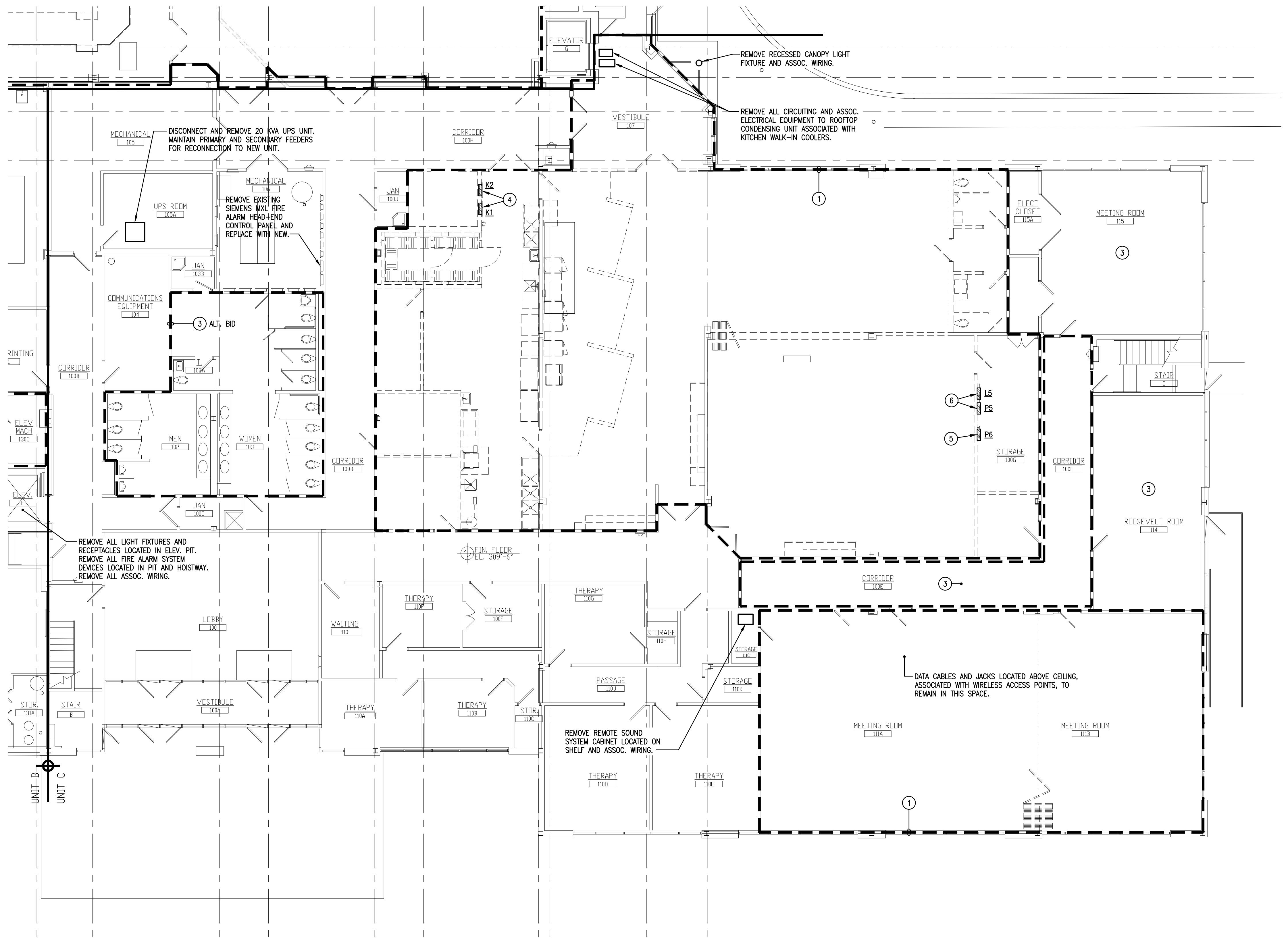
2700 PERKOMEN AVENUE, READING, PA 19605
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PROJECT
MAGNETIC
PROJECT



KEY PLAN
SCALE: N.T.S.

ED-B1



FIRST FLOOR PLAN - UNIT C - DEMOLITION

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

DRAWING NOTES:

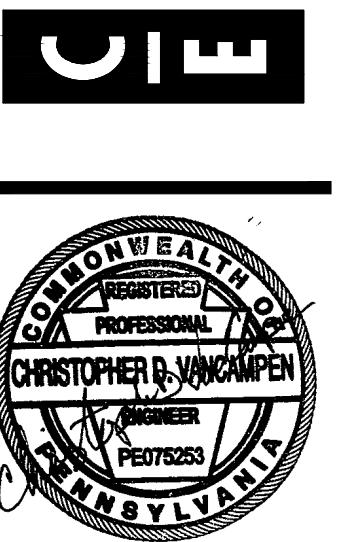
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7. REMOVE ALL LIGHTING CONTROLS (SWITCHES AND OCCUPANCY SENSORS) AND ASSOCIATED WIRING TO LIGHT FIXTURES WITHIN THIS AREA. LIGHT FIXTURES TO REMAIN AND BE RE-WIRED WITH NEW CONTROLS AS INDICATED ON DRAWING E-A5.

FIRST FLOOR PLAN - UNIT C - DEMOLITION
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE
1111 COMMONS BLVD, READING, PA 19605

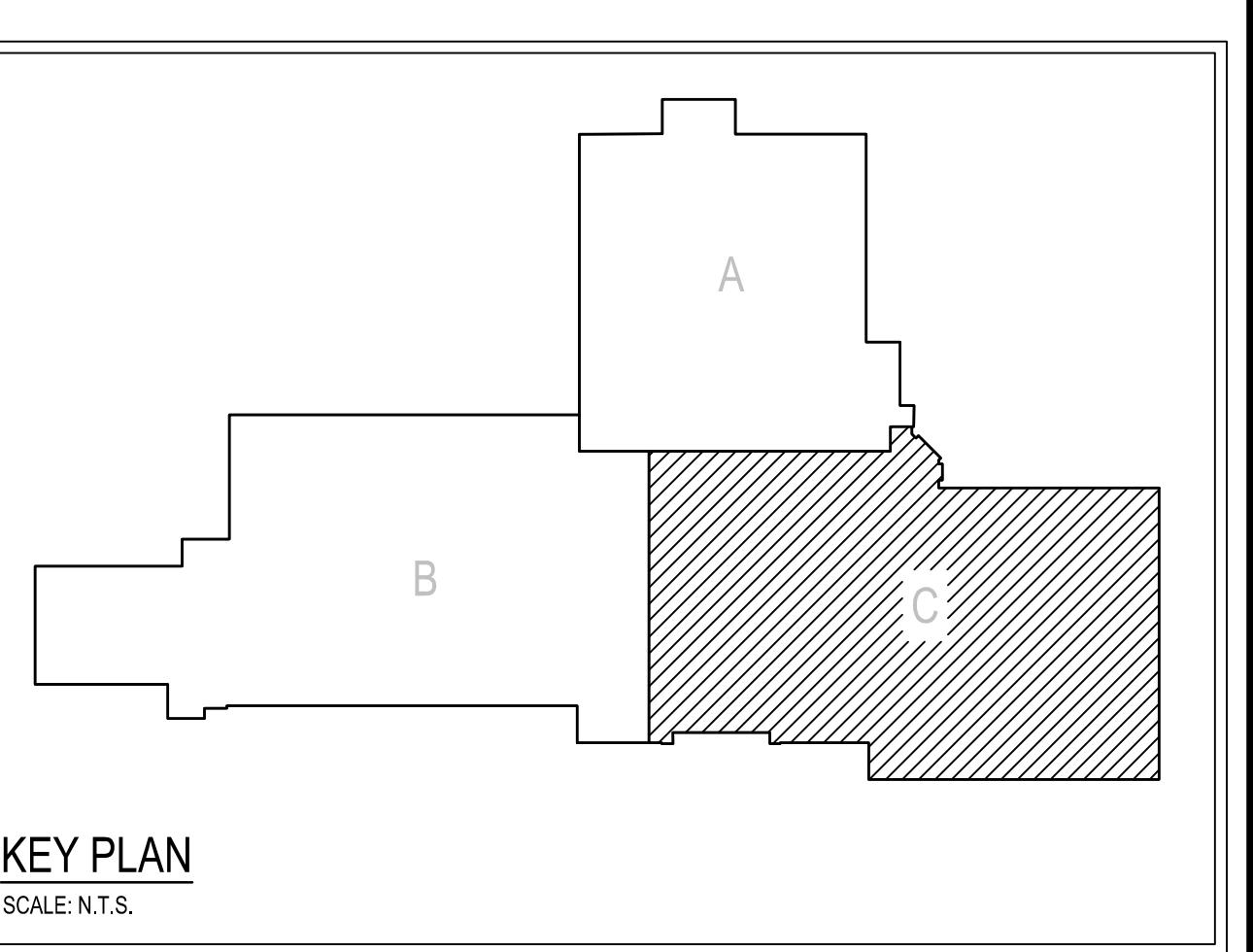
JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

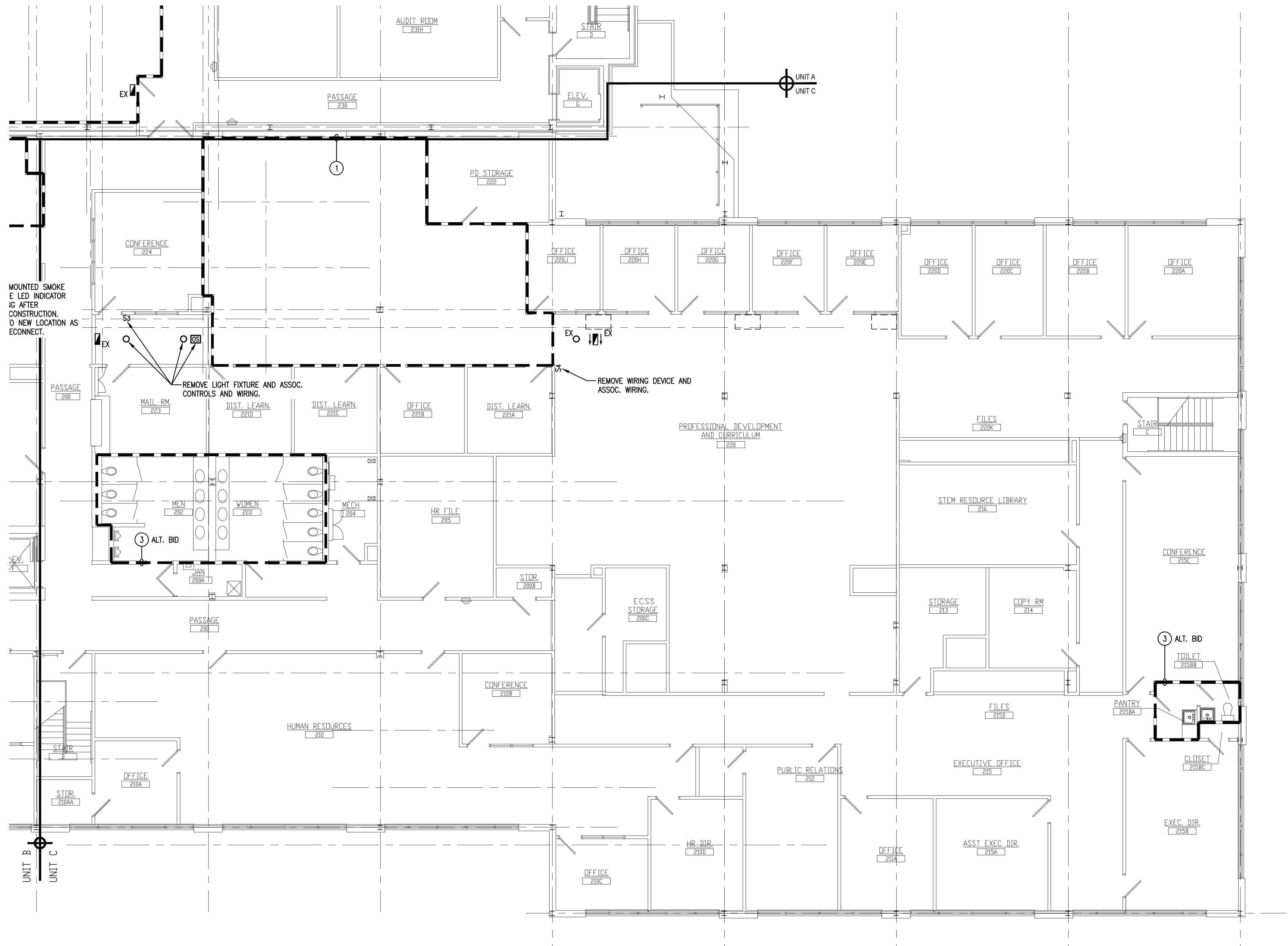
ED-C1

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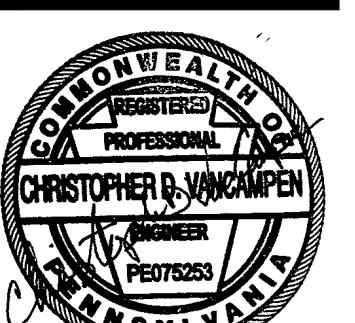
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7. REMOVE ALL LIGHTING CONTROLS (SWITCHES AND OCCUPANCY SENSORS) AND ASSOCIATED WIRING TO LIGHT FIXTURES WITHIN THIS AREA. LIGHT FIXTURES TO REMAIN AND BE RE-WIRED WITH NEW CONTROLS AS INDICATED ON DRAWING E-A5.

CONSOLIDATED
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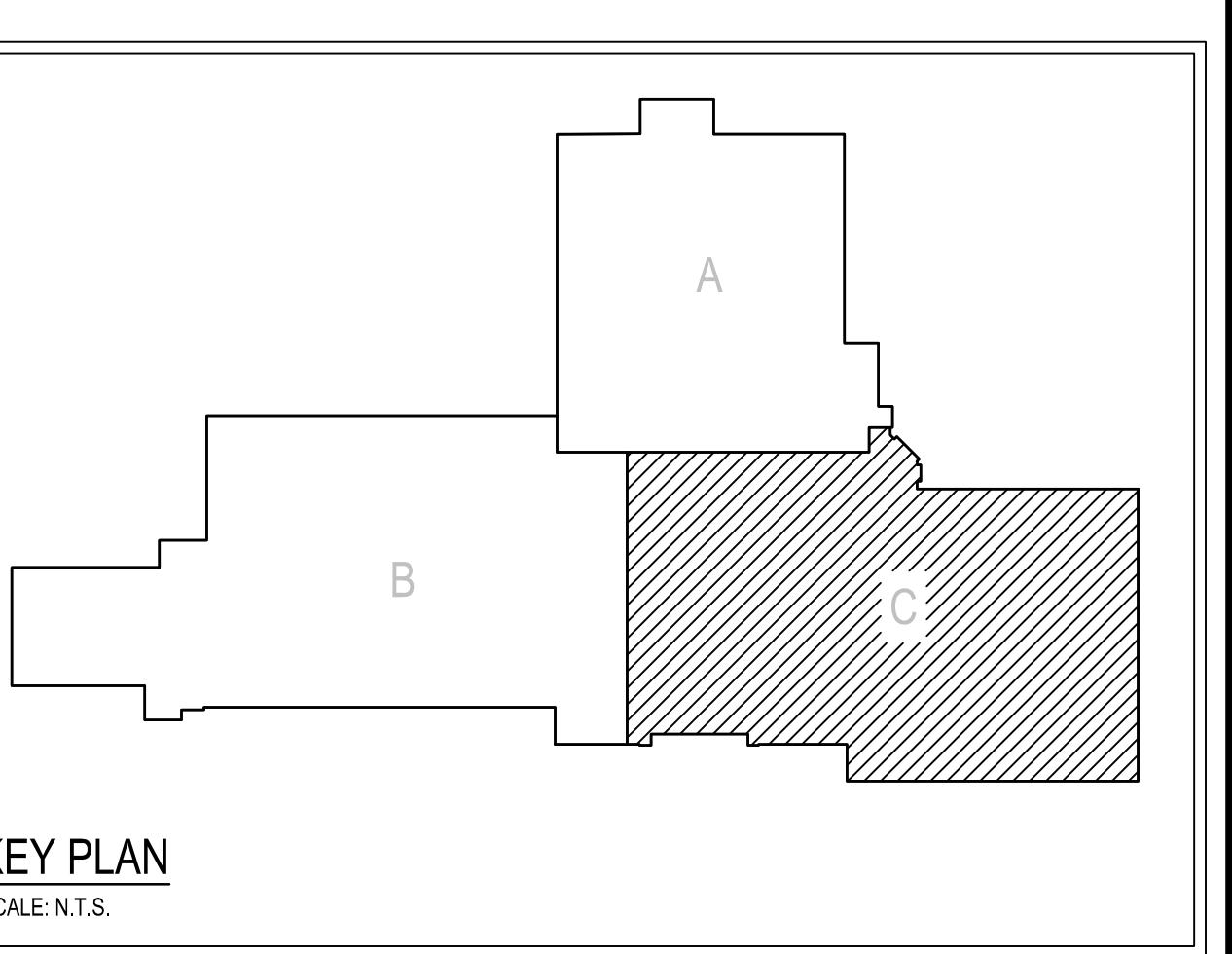


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RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE
1111 COMMONS BLVD., READING, PA 19605
Dimensions and Existing Condition
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by the Contractor at the site.

Job No.: 24015.00
Drawn By: RG
Date: 10.15.25

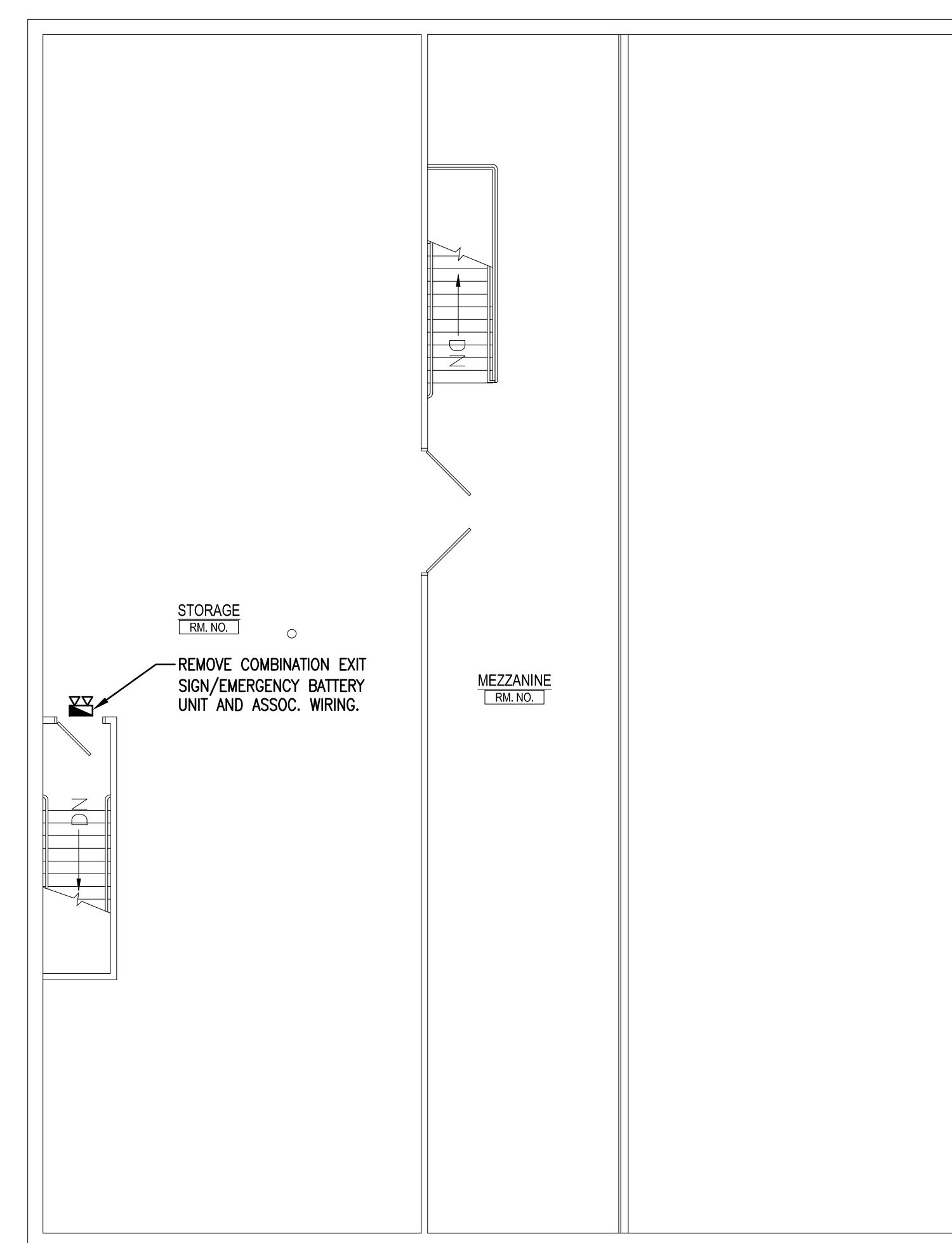
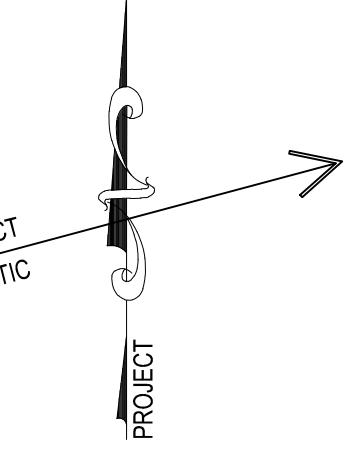
ED-C2



SECOND FLOOR PLAN - UNIT C - DEMOLITION

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

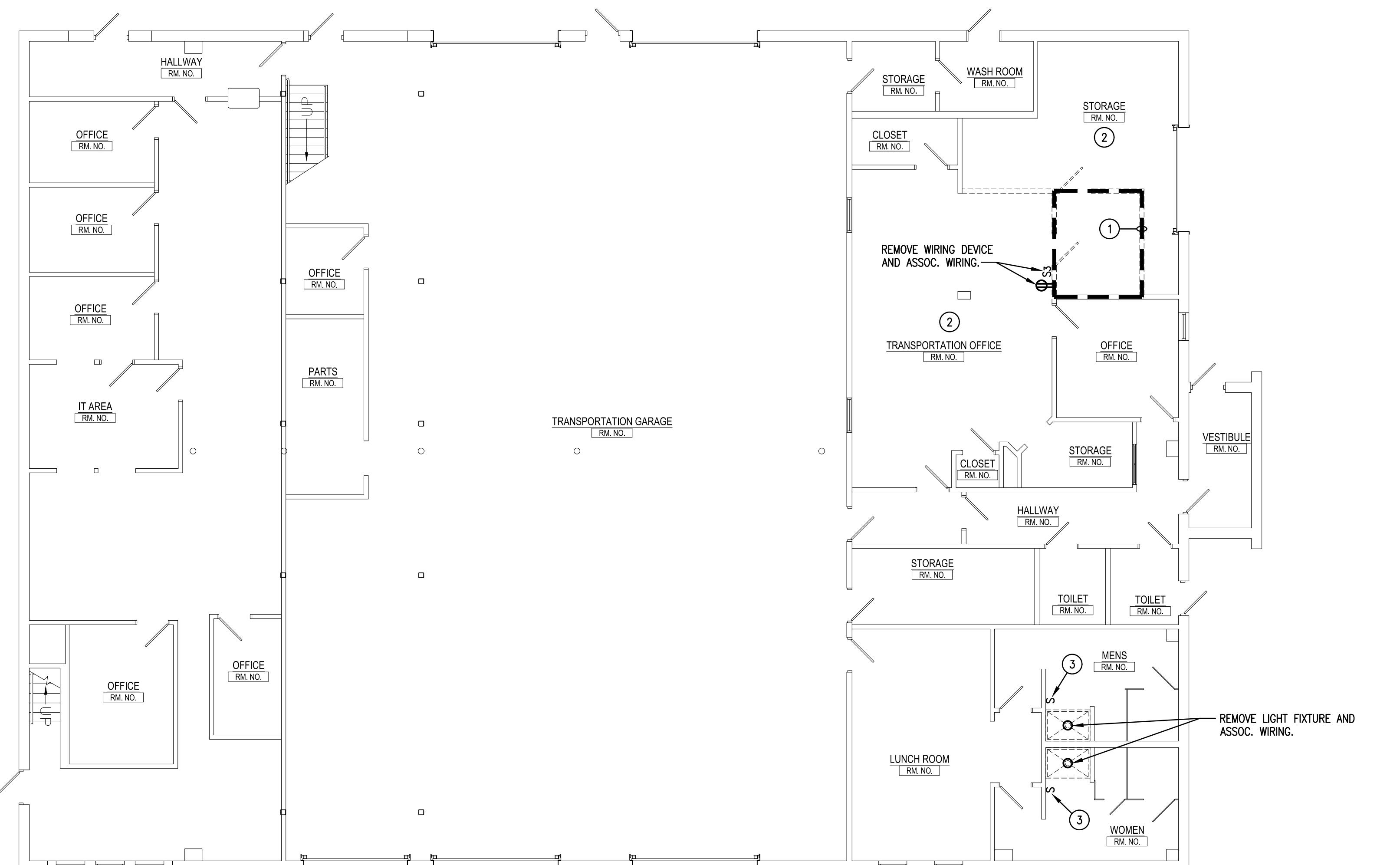
PROJECT
MAGNETIC
PROJECT



READING CREST SECOND FLOOR PLAN - DEMOLITION

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

REMOVE ALL EXISTING INTERIOR EMERGENCY BATTERY UNITS IN ENTIRE BUILDING AND ALL EXISTING EXTERIOR EMERGENCY REMOTE FIXTURE HEADS LOCATED ON BUILDING EXTERIOR AND REPLACE WITH NEW. REMOVE ALL EXISTING FIRE ALARM SYSTEM EQUIPMENT AND ALL EXISTING INTRUSION DETECTION SYSTEM EQUIPMENT IN ENTIRE BUILDING AND REPLACE WITH NEW.



READING CREST FIRST FLOOR PLAN - DEMOLITION

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

REMOVE ALL EXISTING INTERIOR EMERGENCY BATTERY UNITS IN ENTIRE BUILDING AND ALL EXISTING EXTERIOR EMERGENCY REMOTE FIXTURE HEADS LOCATED ON BUILDING EXTERIOR AND REPLACE WITH NEW. REMOVE ALL EXISTING FIRE ALARM SYSTEM EQUIPMENT AND ALL EXISTING INTRUSION DETECTION SYSTEM EQUIPMENT IN ENTIRE BUILDING AND REPLACE WITH NEW.

DRAWING NOTES:

1. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THIS AREA, UNLESS NOTED OR SHOWN OTHERWISE. ELECTRICAL EQUIPMENT NOT LISTED HEREIN INCLUDES, BUT NOT LIMITED TO, LIGHT FIXTURES, TELEPHONE JACKS, FIRE ALARM SYSTEMS, GLOWS, SPEAKERS, DATA CABLES, TELEVISION OUTLETS, CCTV SYSTEM, CARD READERS, SECURITY SYSTEM, INTERCOM SYSTEMS, PANELS, WIRING, CONDUIT, SURFACE RACEWAY, PULLBOXES, SUPPORTS, ETC. PATCH FLOOR AREAS WHERE BOXES ARE REMOVED AND CONDUITS PENETRATE BELOW FLOOR SURFACE, TO MATCH ADJACENT SURFACES. ITEMS TO BE RETAINED OR RELOCATED WILL BE SHOWN OR NOTED ON DEMOLITION OR NEW WORK DRAWINGS.
2. REMOVE ALL LIGHT FIXTURES, ASSOCIATED CONTROLS AND WIRING IN THIS AREA. RETAIN BRANCH LIGHTING CIRCUIT SERVING THIS AREA FOR RECONNECTION TO NEW FIXTURES AND CONTROLS.
3. REMOVE WIRING DEVICE AND ASSOC. WIRING. PROVIDE BLANK SWITCH FILLER PLATE. EXISTING ADJACENT GROUND FAULT DUPLEX RECEPTACLE AND SINGLE 2-GANG COVER PLATE TO REMAIN.

READING CREST FIRST FLOOR PLAN - DEMOLITION

RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14

BCIU MAIN OFFICE

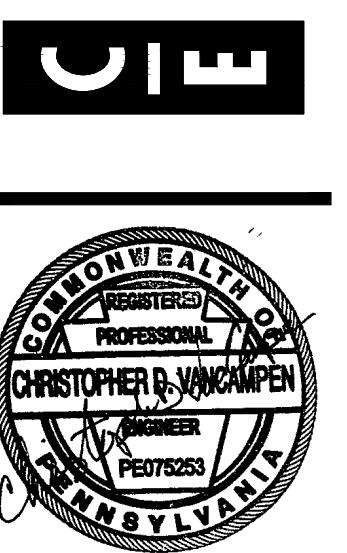
AD DIMENSIONS AND EXISTING CONDITIONS
SHALL BE CHECKED AND VERIFIED
BY THE CONTRACTOR AT THE SITE.

JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

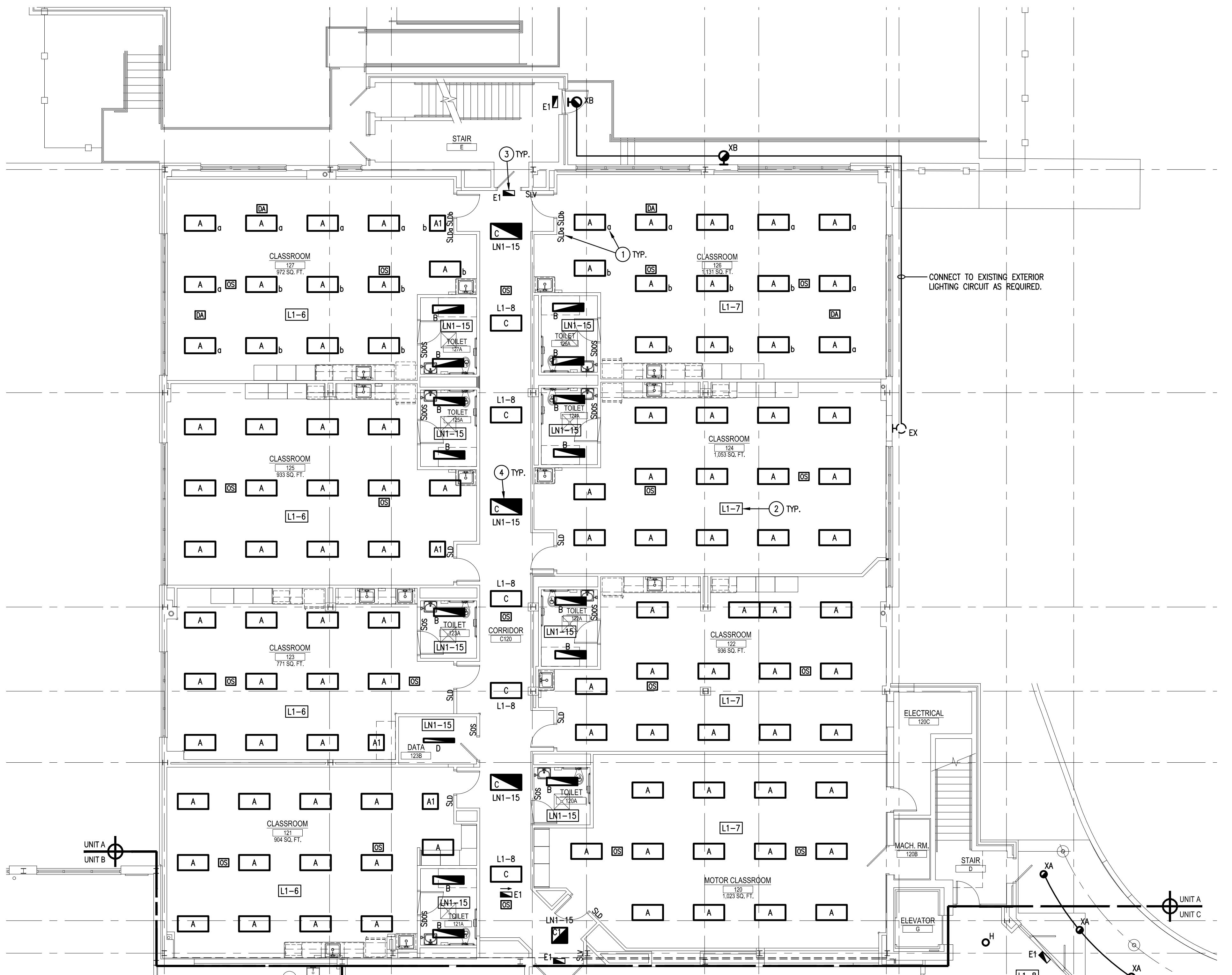
ED-D1

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FIRST FLOOR PLAN - UNIT A - LIGHTING

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

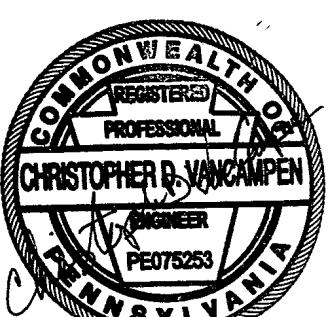
DRAWING NOTES:

1. LIGHT FIXTURE WIRING. SUB-LetTERS INDICATE WHICH FIXTURE, SWITCH CONTROLS. WIRE TO INDICATED SWITCHES WITHIN ROOM ACCORDINGLY.
2. WIRE LIGHT FIXTURES TO CONTROLS INDICATED WITHIN ROOM/AREA. CONNECT LIGHT FIXTURES TO BRANCH WIRING CIRCUIT INDICATED IN BOX OR ADJACENT TO FIXTURE. (CIRCUIT INDICATED IS BEING CONNECTED TO SPARE 20A/1P BREAKER OR THE CIRCUIT IS ACTIVE IN ADJACENT AREAS NOT BEING RENOVATED. FIELD VERIFY WHICH CONDITION APPLIES.)
3. CONNECT ALL TYPE "E1" AND "E2" EXIT SIGN LIGHT FIXTURES TO LINE SIDE OF NEAREST 277 VOLT NORMAL/EMERGENCY CORRIDOR LIGHTING CIRCUIT.
4. WIRE LIGHT FIXTURE TO NORMAL/EMERGENCY PANEL AND CIRCUIT NUMBER INDICATED. FIXTURE SHALL BE CONTROLLED VIA ROOM/SPACE LIGHTING CONTROL SYSTEM WITH "NORMAL POWER ONLY" LIGHT FIXTURES. SEE SPECIFICATIONS.
5. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN STORAGE 234K AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
6. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN IT STORAGE 234K AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
7. WIRE UNDERCABINET LIGHT FIXTURE TO TOGGLE SWITCH LOCATED ABOVE COUNTER. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROL SO THE UNDERCABINET FIXTURES ARE ONLY OPERATIONAL WHEN THE ROOM CEILING LIGHTS ARE OPERATIONAL.

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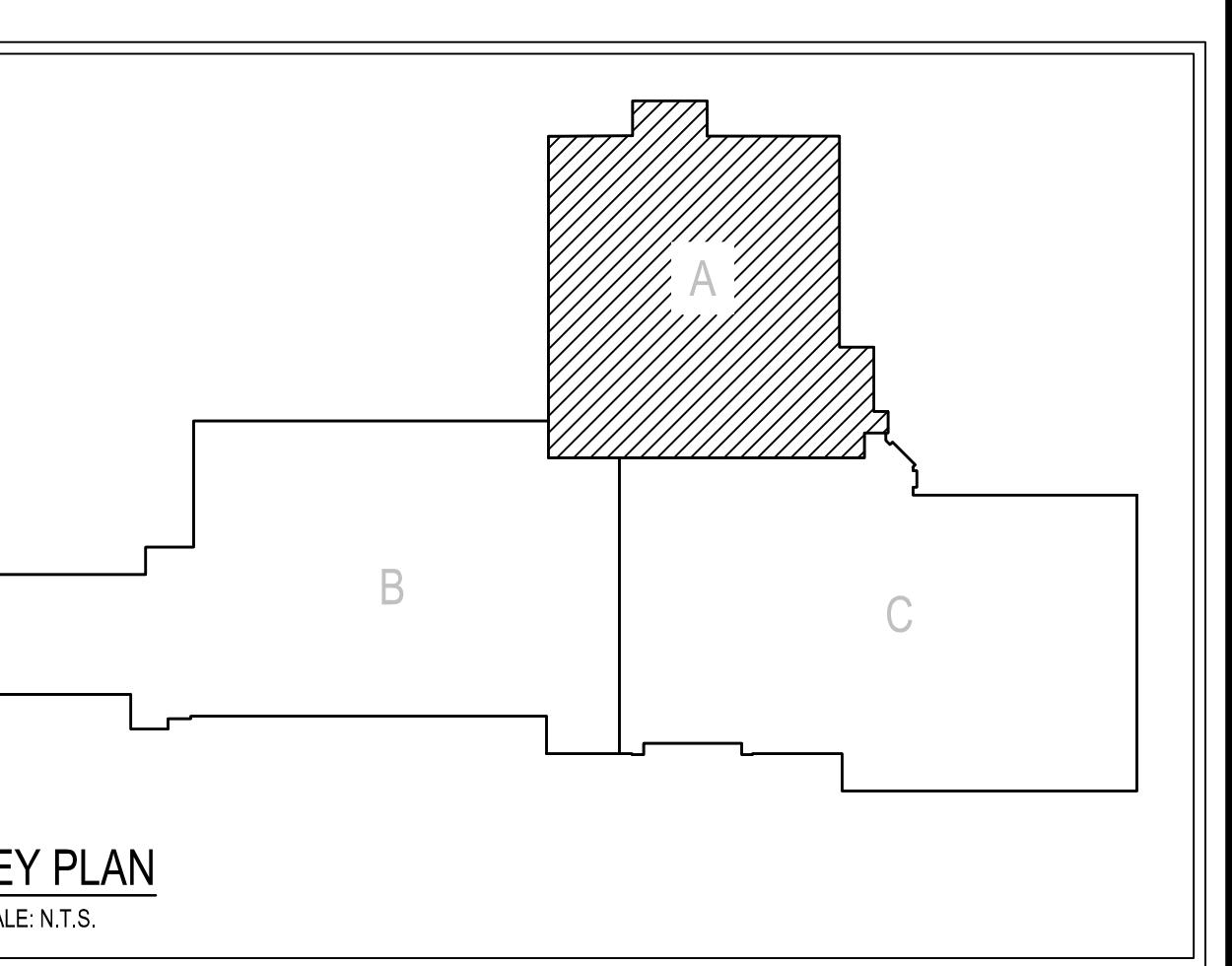


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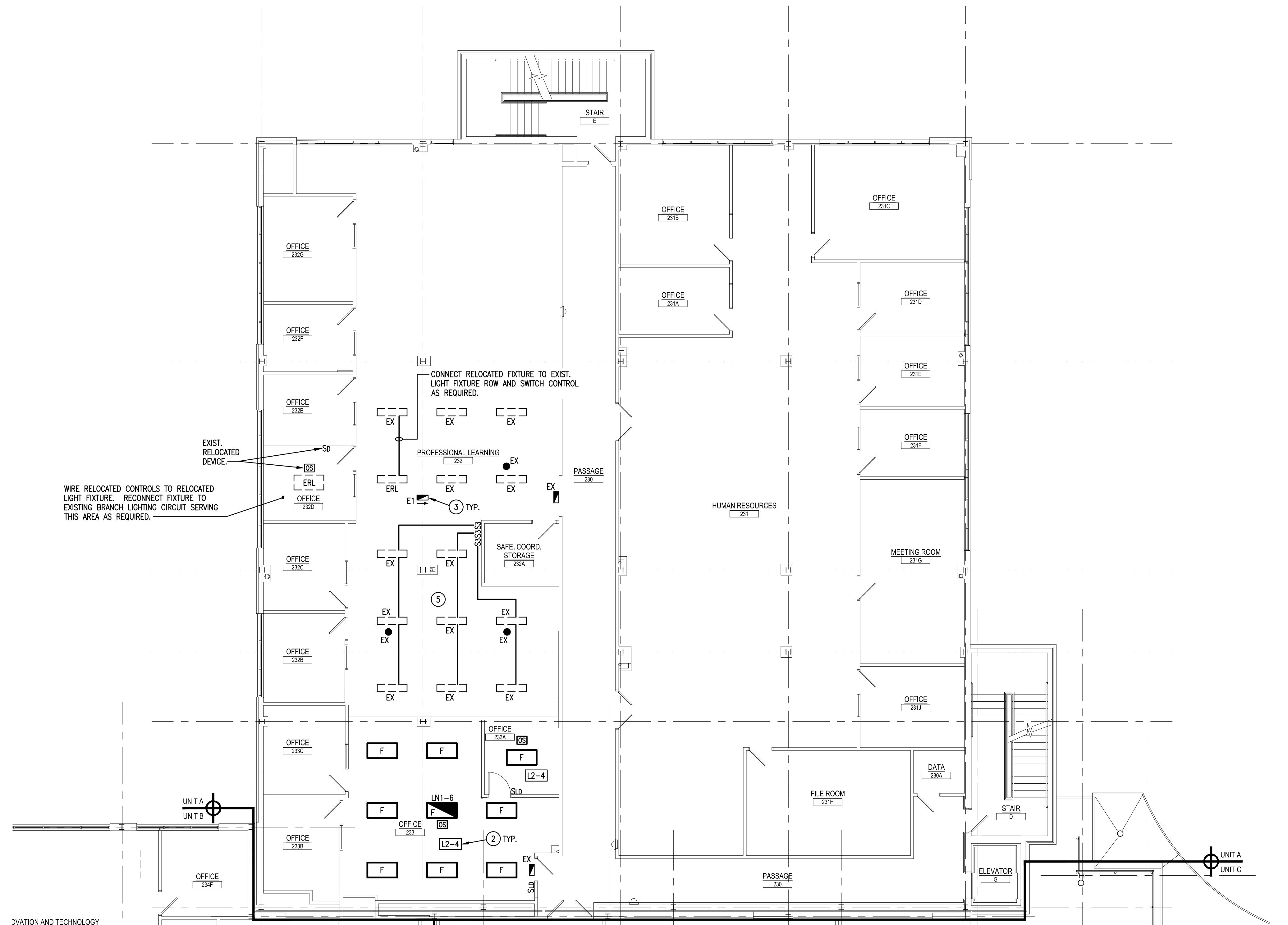
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT A - LIGHTING
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ADDITIONS AND EXISTING CONDITIONS
should be CHECKED and VERIFIED
by the CONTRACTOR at the SITE.

JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

E-A1



KEY PLAN
SCALE: N.T.S.



SECOND FLOOR PLAN - UNIT A - LIGHTING

SCALE: 18' = 1'-0"

DRAWING NOTES:

1. LIGHT FIXTURE WIRING. SUB-LETTERS INDICATE WHICH FIXTURE, SWITCH CONTROLS, WIRE TO INDICATED SWITCHES WITHIN ROOM ACCORDINGLY.
2. WIRE LIGHT FIXTURES TO CONTROLS INDICATED WITHIN ROOM/AREA. CONNECT LIGHT FIXTURES TO BRANCH WIRING CIRCUIT INDICATED IN BOX OR ADJACENT TO FIXTURE. (CIRCUIT INDICATED IS ACTIVE IN ADJACENT AREAS NOT BEING RENOVATED.)
3. CONNECT ALL TYPE 'E1' AND 'E2' EXIT SIGN LIGHT FIXTURES TO LINE SIDE OF NEAREST 277 VOLT NORMAL/EMERGENCY CORRIDOR LIGHTING CIRCUIT.
4. WIRE LIGHT FIXTURE TO NORMAL/EMERGENCY PANEL AND CIRCUIT NUMBER INDICATED. FIXTURE SHALL BE CONTROLLED VIA ROOM/SPACE LIGHTING CONTROL SYSTEM WITH "NORMAL POWER ONLY" LIGHT FIXTURES. SEE SPECIFICATIONS.
5. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MANTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN STORAGE 232A AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
6. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MANTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN IT STORAGE 234A AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
7. WIRE UNDERCABINET LIGHT FIXTURE TO TOGGLE SWITCH LOCATED ABOVE COUNTER. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROL SO THE UNDERCABINET FIXTURES ARE ONLY OPERATIONAL WHEN THE ROOM CEILING LIGHTS ARE OPERATIONAL.

SECOND FLOOR PLAN - UNIT A - LIGHTING

RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14

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THIRD FLOOR PLAN - UNIT A - LIGHTING

SCALE: 18' 0"

DRAWING NOTES:

1. LIGHT FIXTURE WIRING. SUB-LETTERS INDICATE WHICH FIXTURE SWITCH CONTROLS. WIRE TO INDICATED SWITCHES WITHIN ROOM ACCORDINGLY.
2. WIRE LIGHT FIXTURES TO CONTROLS INDICATED WITHIN ROOM/AREA. CONNECT LIGHT FIXTURES TO BRANCH WIRING CIRCUIT INDICATED IN BOX OR ADJACENT TO FIXTURE. CIRCUIT INDICATED IS ACTIVE IN ADJACENT AREAS NOT BEING RENOVATED.
3. CONNECT ALL TYPE "E1" AND "E2" EXIT SIGN LIGHT FIXTURES TO LINE SIDE OF NEAREST 277 VOLT NORMAL/EMERGENCY CORRIDOR LIGHTING CIRCUIT.
4. WIRE LIGHT FIXTURE TO NORMAL/EMERGENCY PANEL AND CIRCUIT NUMBER INDICATED. FIXTURE SHALL BE CONTROLLED VIA ROOM/SPACE LIGHTING CONTROL SYSTEM WITH NORMAL POWER ONLY* LIGHT FIXTURES. SEE SPECIFICATIONS.
5. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN STORAGE 232A AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
6. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN IT STORAGE 234K AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
7. WIRE UNDERCABINET LIGHT FIXTURE TO TOGGLE SWITCH LOCATED ABOVE COUNTER CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROL SO THE UNDERCABINET FIXTURES ARE ONLY OPERATIONAL WHEN THE ROOM CEILING LIGHTS ARE OPERATIONAL.

THIRD FLOOR PLAN - UNIT A - LIGHTING

RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14

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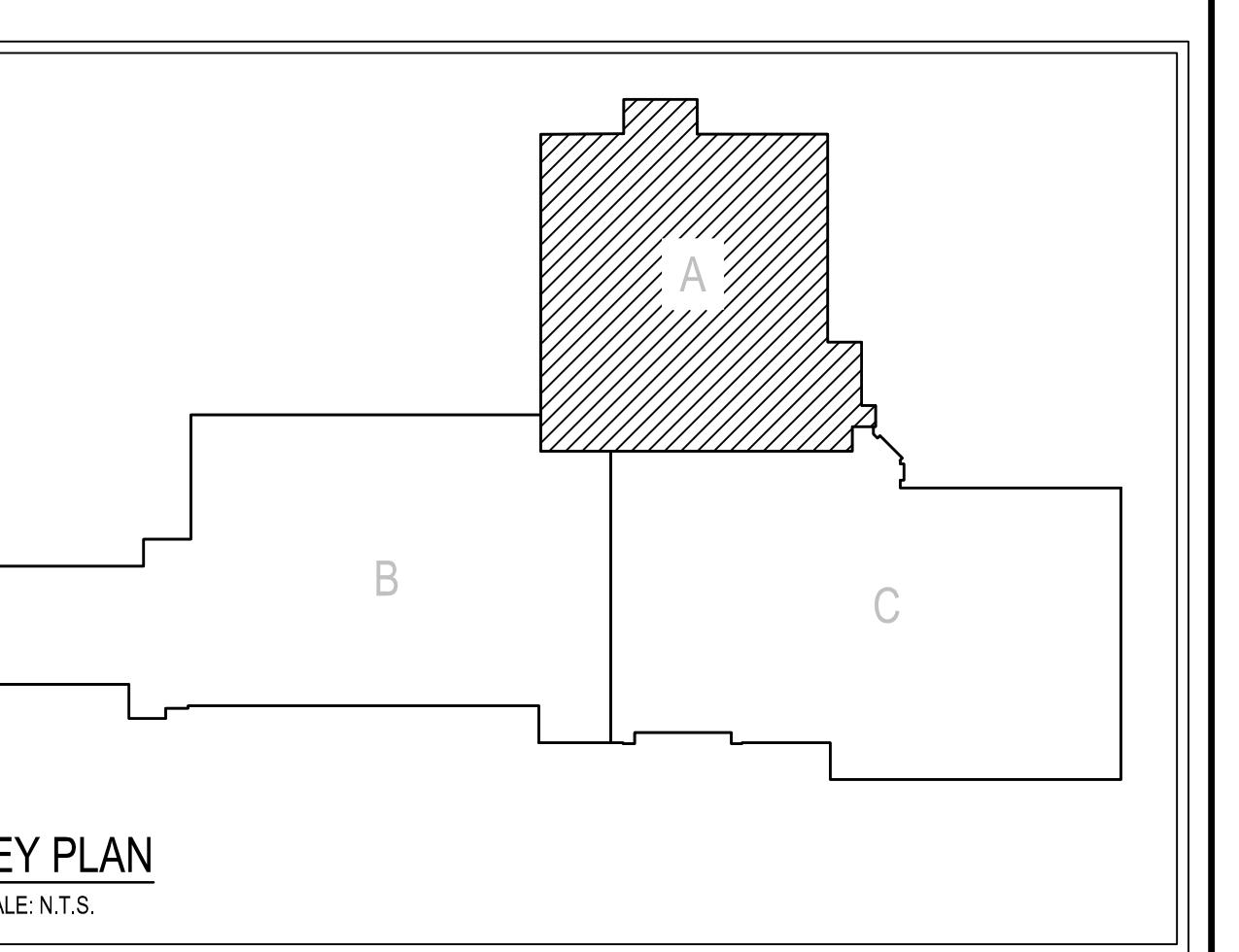
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E-A5



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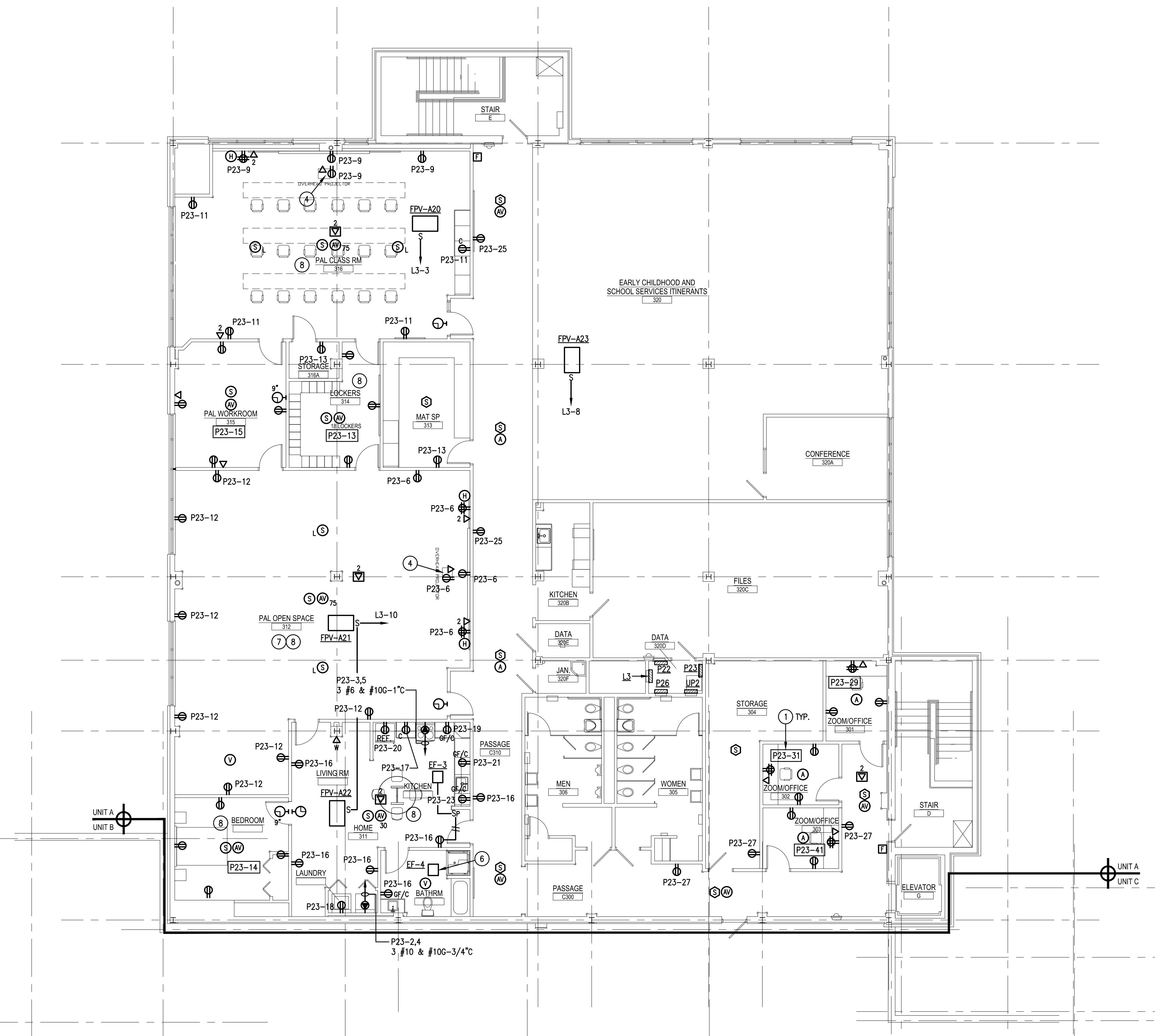
DATE:

24015.00

RG

10.15.25

ADMISSIONS AND EXISTING CONDITION
should be CHECKED and VERIFIED
by the CONTRACTOR at the SITE.



THIRD FLOOR PLAN - UNIT A - POWER

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

DRAWING NOTES:

1. CIRCUIT ROOM RECEPTACLES TO CIRCUIT INDICATED IN BOX OR CIRCUIT NUMBER INDICATED ADJACENT TO OUTLET VIA 2 #12 & #12G-3/4" C ULESS NOTED OTHERWISE.
2. E.C. SHALL REINSTALL WIRELESS NODE(S) IN THIS SPACE UPON COMPLETION OF NEW CEILING GRID WORK. COORDINATE EXACT MOUNTING LOCATION OF DEVICES WITH OWNER AND EXISTING ABOVE CEILING DATA JACK LOCATIONS. PRIOR TO ROUGH-IN.
3. FLUSH MOUNT DUPLEX RECEPTACLE AND DATA JACK IN CEILING ADJACENT TO PROJECTOR LOCATION. COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN. E.C. TO INSTALL CEILING PROJECTOR FURNISHED BY OWNER AND PROVIDE ALL REQUIRED MOUNTING HARDWARE.
4. PROVIDE DEVICES FOR SHORT-THROW TYPE PROJECTOR. COORDINATE EXACT MOUNTING LOCATION OF DEVICES (FLUSH WALL MOUNTED WITHIN PROJECTOR STAND) WITH OWNER PRIOR TO ROUGH-IN. E.C. TO INSTALL SHORT-THROW PROJECTOR FURNISHED BY OWNER AND PROVIDE ALL REQUIRED MOUNTING HARDWARE.
5. CONNECT INDOOR UNIT (AC) TO ASSOCIATED CONDENSING UNIT TERMINAL BLOCK WITH WIRING (QUANTITY AND SIZE) PER MANUFACTURER RECOMMENDATIONS IN 3/4" CONDUIT.
6. CONNECT EXHAUST FAN TO ROOM LIGHTING SWITCH. PROVIDE CONTACTOR/RELAY AS REQUIRED TO CONTROL 120V FAN FROM 277V LIGHT SWITCH AND ROOM LIGHTING.
7. COORDINATE FINAL LOCATION/PLACEMENT OF ALL WIRING DEVICES SHOWN IN SPACE WITH OWNER PRIOR TO ROUGH-IN.
8. PROVIDE TAMPER-RESISTANT RECEPTACLES IN THIS ROOM/SPACE TO MEET NEC ARTICLE 406.12 REQUIREMENT.
9. E.C. SHALL BE RESPONSIBLE FOR COORDINATING ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ELEVATOR EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN OF ANY ELECTRICAL EQUIPMENT. INTEGRATE EXISTING FIRE ALARM SYSTEM TO NEW ELEVATOR EQUIPMENT AS REQUIRED FOR ELEVATOR TO FUNCTION. PROVIDE TVSS SURGE PROTECTION DEVICE ON ELEVATOR CONTROLLER SIMILAR TO CURRENT TECHNOLOGY LOAD GUARD.
10. COORDINATE EXACT MOUNTING LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN OF DEVICES FOR TV MONITOR/LED SCREEN. PROVIDE FSR INC. #PWB-100-WHT PROJECT WALL BOX FOR INSTALLATION OF DEVICES. CONCEAL WALL BOX BEHIND TV MONITOR.
11. LOCAL A/V SYSTEM EQUIPMENT TO BE LOCATED IN BASE CABINET. PROVIDE FAN KIT WITH THERMOSTAT CONTROL. PROVIDE (3) FANS PRODUCING MINIMUM 150 CFM AT MAXIMUM 21 DBA. INSTALL AT UPPER SLOT OPENING. COORDINATE INSTALLATION WITH CABINET MANUFACTURER/INSTALLER.

THIRD FLOOR PLAN - UNIT A - POWER

RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14

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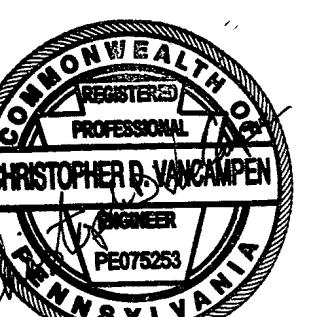
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Internet: www.consolatedengineers.com

C-E



AEM ARCHITECTS INC.
1111 COMMONS BLVD., READING, PA 19605
Phone: 610-779-3220 Fax: 610-779-9622
E-mail: info@aemarch.com
www.aemarch.com

FIRST FLOOR PLAN - UNIT B - LIGHTING

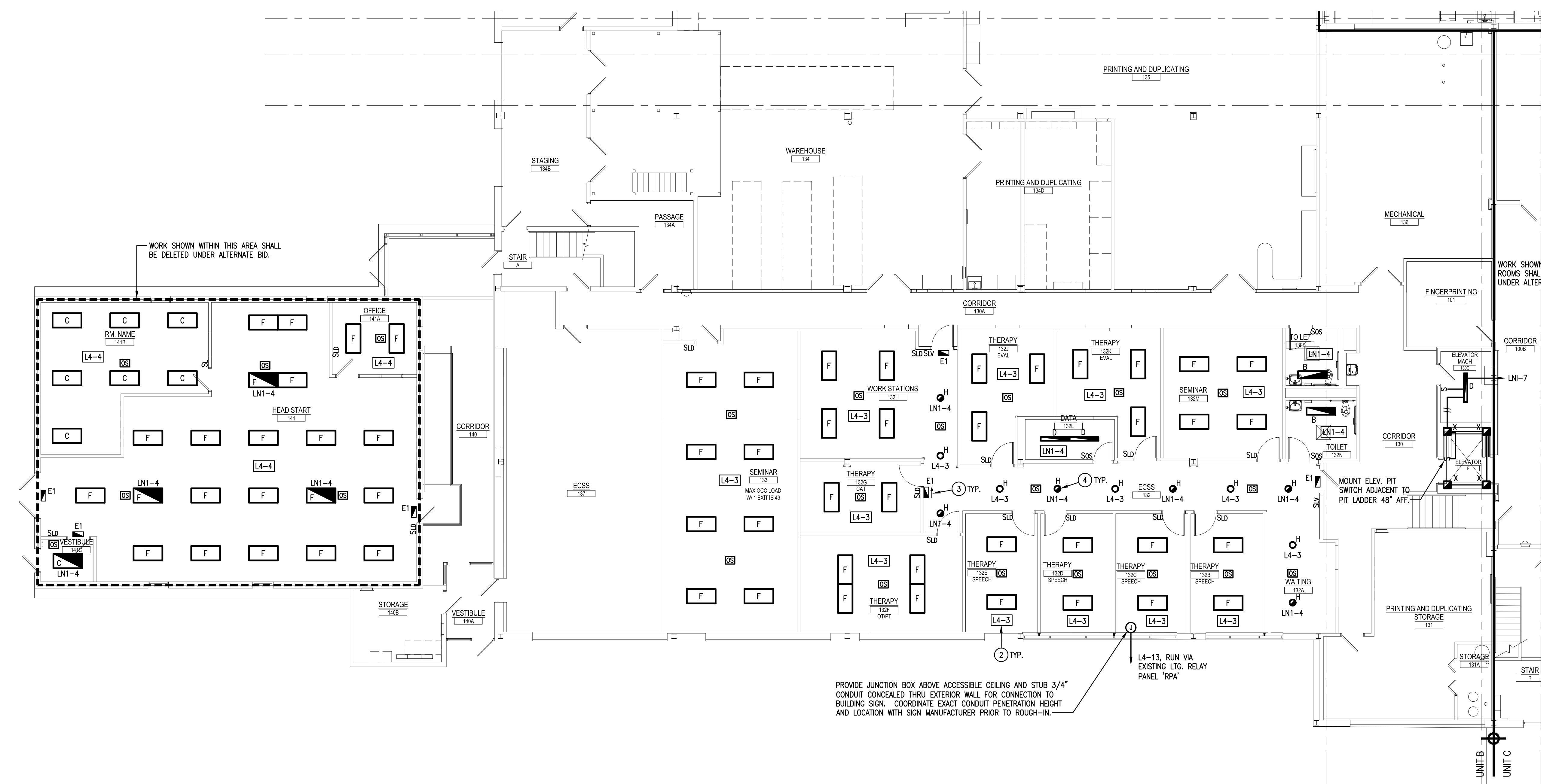
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE

1111 COMMONS BLVD., READING, PA 19605

ADDITIONS AND EXISTING CONDITIONS
should be CHECKED and VERIFIED
by the CONTRACTOR at the SITE.

JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

E-1

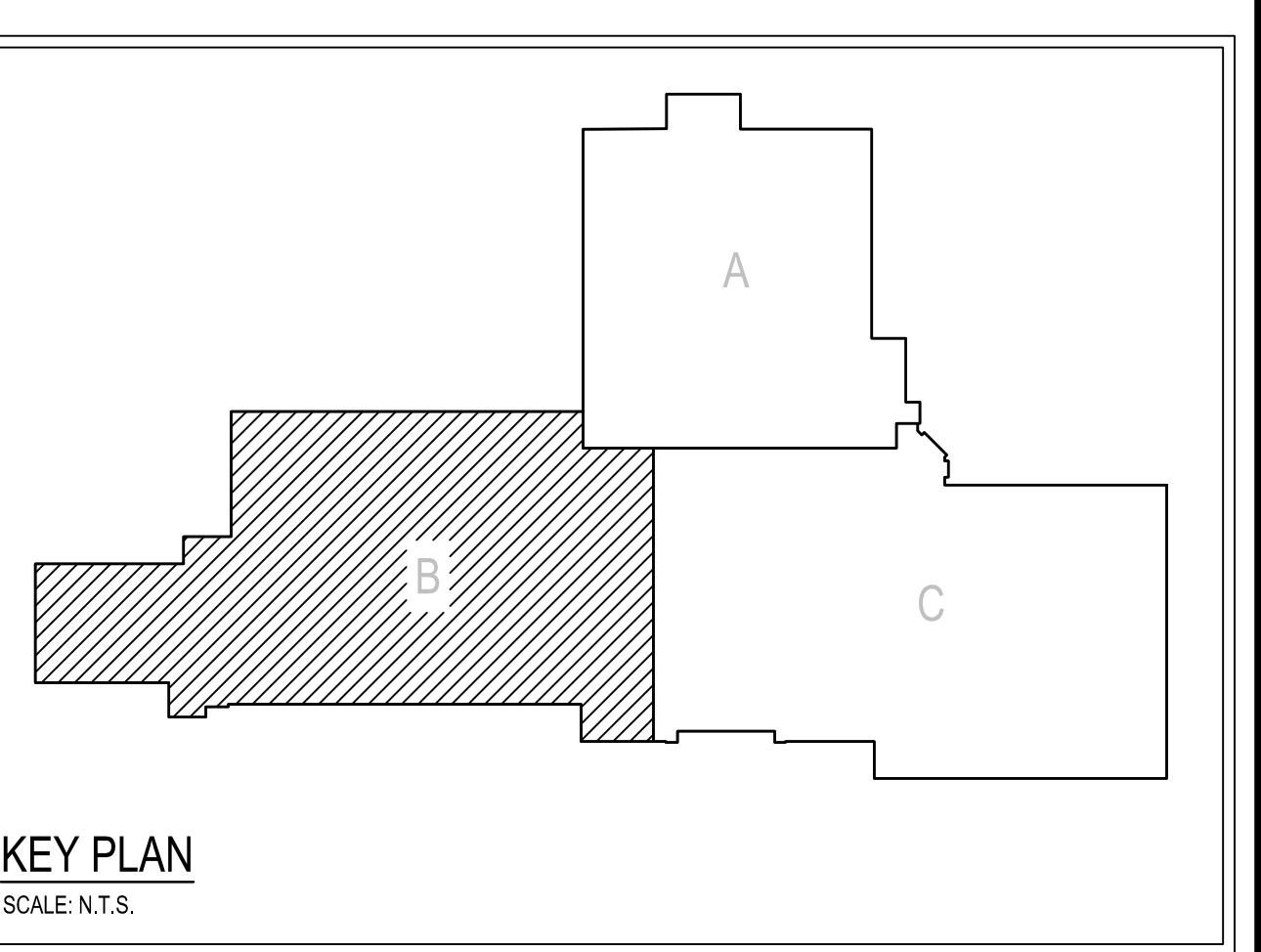


FIRST FLOOR PLAN - UNIT B - LIGHTING

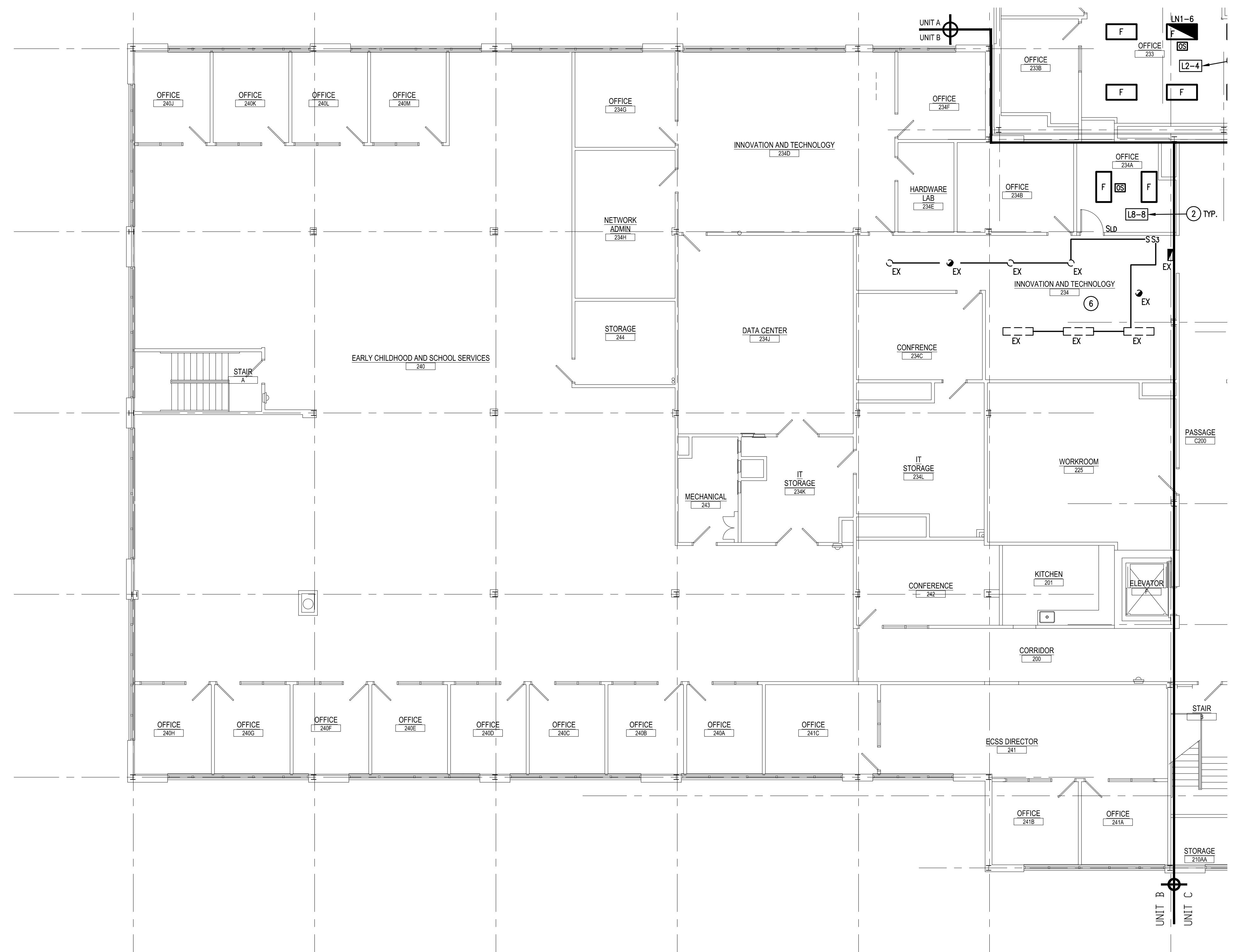
SCALE: 18" = 1'-0"

DRAWING NOTES:

1. LIGHT FIXTURE WIRING. SUB-LETTERS INDICATE WHICH FIXTURE, SWITCH CONTROLS. WIRE TO INDICATED SWITCHES WITHIN ROOM ACCORDINGLY.
2. WIRE LIGHT FIXTURES TO CONTROLS INDICATED WITHIN ROOM/AREA. CONNECT LIGHT FIXTURES TO BRANCH WIRING CIRCUIT INDICATED IN BOX OR ADJACENT TO FIXTURE. (CIRCUIT INDICATED IS ACTIVE IN ADJACENT AREAS NOT BEING RENOVATED.)
3. CONNECT ALL TYPE "E1" AND "E2" EXIT SIGN LIGHT FIXTURES TO LINE SIDE OF NEAREST 277 VOLT NORMAL/EMERGENCY CORRIDOR LIGHTING CIRCUIT.
4. WIRE LIGHT FIXTURE TO NORMAL/EMERGENCY PANEL AND CIRCUIT NUMBER INDICATED. FIXTURE SHALL BE CONTROLLED VIA ROOM/SPACE LIGHTING CONTROL SYSTEM WITH "NORMAL POWER ONLY" LIGHT FIXTURES. SEE SPECIFICATIONS.
5. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN STORAGE 232A AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
6. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN IT STORAGE 234K AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
7. WIRE UNDERCABINET LIGHT FIXTURE TO TOGGLE SWITCH LOCATED ABOVE COUNTER. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROL SO THE UNDERCABINET FIXTURES ARE ONLY OPERATIONAL WHEN THE ROOM CEILING LIGHTS ARE OPERATIONAL.



KEY PLAN
SCALE: N.T.S.



SECOND FLOOR PLAN - UNIT B - LIGHTING

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

DRAWING NOTES:

1. LIGHT FIXTURE WIRING. SUB-LetTERS INDICATE WHICH FIXTURE, SWITCH CONTROLS. WIRE TO INDICATED SWITCHES WITHIN ROOM ACCORDINGLY.
2. WIRE LIGHT FIXTURES TO CONTROLS INDICATED WITHIN ROOM/AREA. CONNECT LIGHT FIXTURES TO BRANCH WIRING CIRCUIT INDICATED IN BOX OR ADJACENT TO FIXTURE. (CIRCUIT INDICATED IS ACTIVE IN ADJACENT AREAS NOT BEING RENOVATED.)
3. CONNECT ALL TYPE "E1" AND "E2" EXIT SIGN LIGHT FIXTURES TO LINE SIDE OF NEAREST 277 VOLT NORMAL/EMERGENCY CORRIDOR LIGHTING CIRCUIT.
4. WIRE LIGHT FIXTURE TO NORMAL/EMERGENCY PANEL AND CIRCUIT NUMBER INDICATED. FIXTURE SHALL BE CONTROLLED VIA ROOM/SPACE LIGHTING CONTROL SYSTEM WITH "NORMAL POWER ONLY" LIGHT FIXTURES. SEE SPECIFICATIONS.
5. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN STORAGE 232A AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
6. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN IT STORAGE 234K AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
7. WIRE UNDERCABINET LIGHT FIXTURE TO TOGGLE SWITCH LOCATED ABOVE COUNTER. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROL SO THE UNDERCABINET FIXTURES ARE ONLY OPERATIONAL WHEN THE ROOM CEILING LIGHTS ARE OPERATIONAL.

SECOND FLOOR PLAN - UNIT B - LIGHTING

RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14

BCIU MAIN OFFICE

CONSOLIDATED
ENGINEERS

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Leesport, PA 19533
Tel: 610-916-1600 Fax: 610-916-1610
Internet: www.consolatedengineers.com

C-E



AEM ARCHITECTS INC.

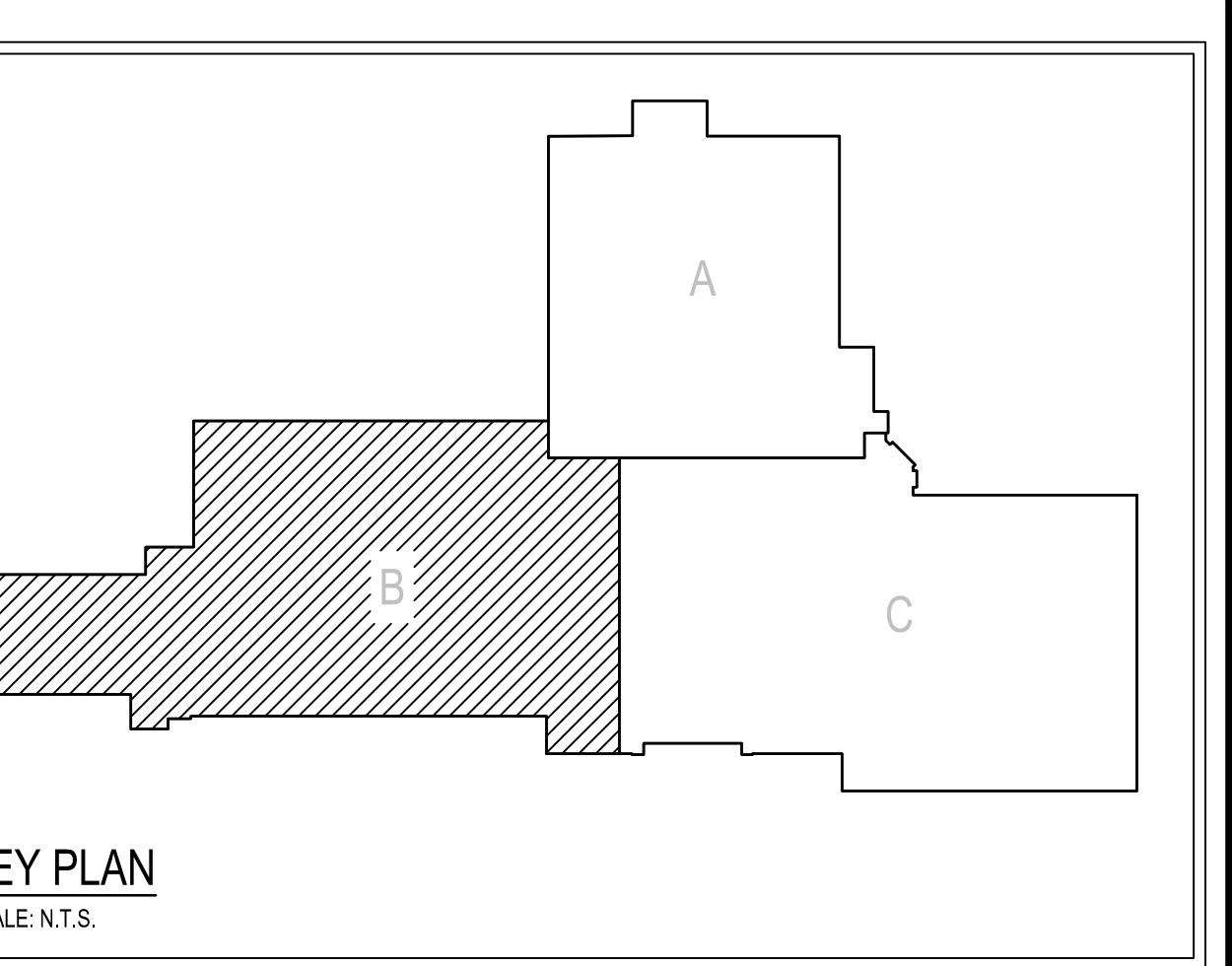
2700 PERKOMEN AVENUE, READING, PA 19605
Phone: 610-779-3220 Fax: 610-779-9622 www.aemarch.com

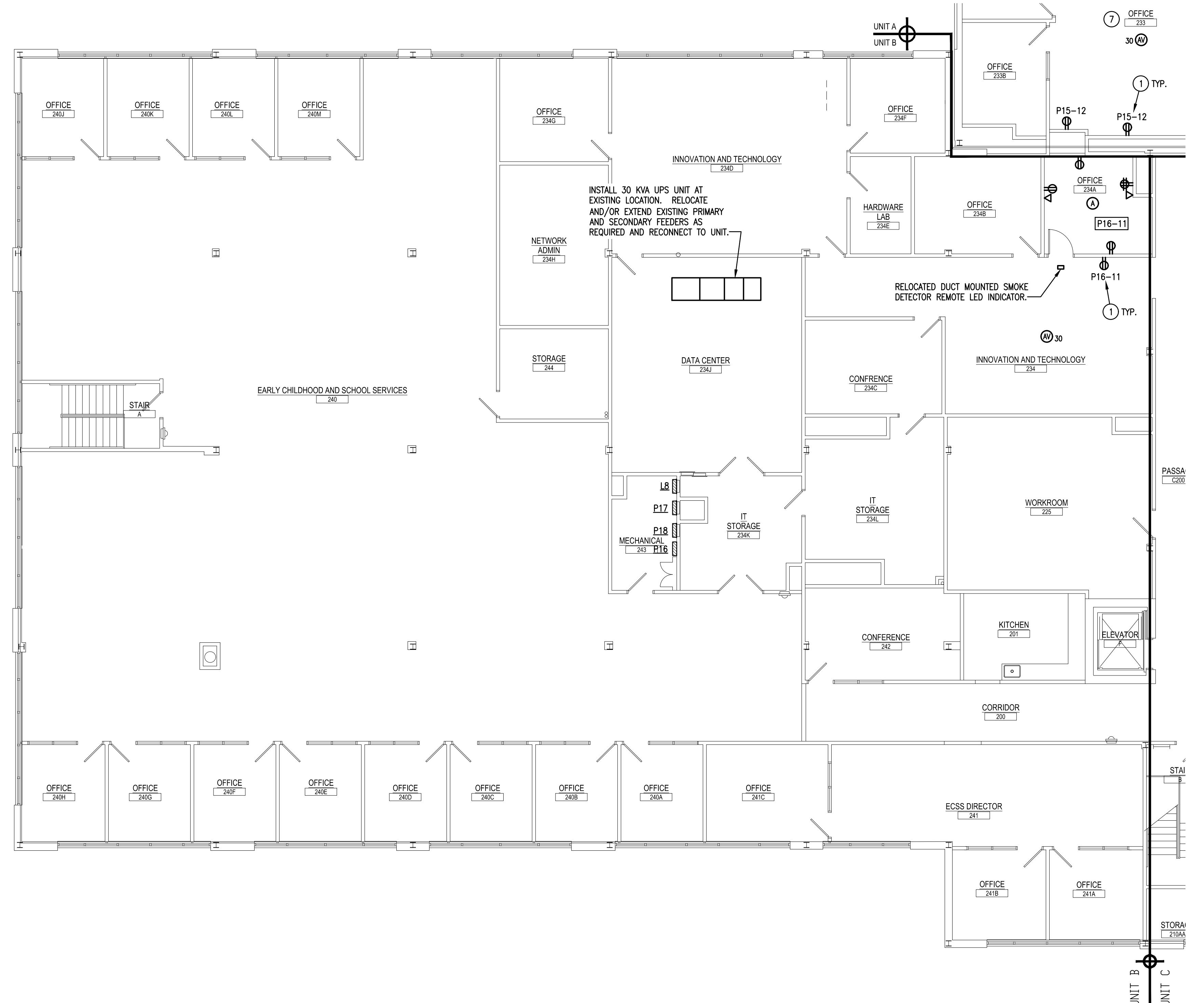
1111 COMMONS BLVD, READING, PA 19605

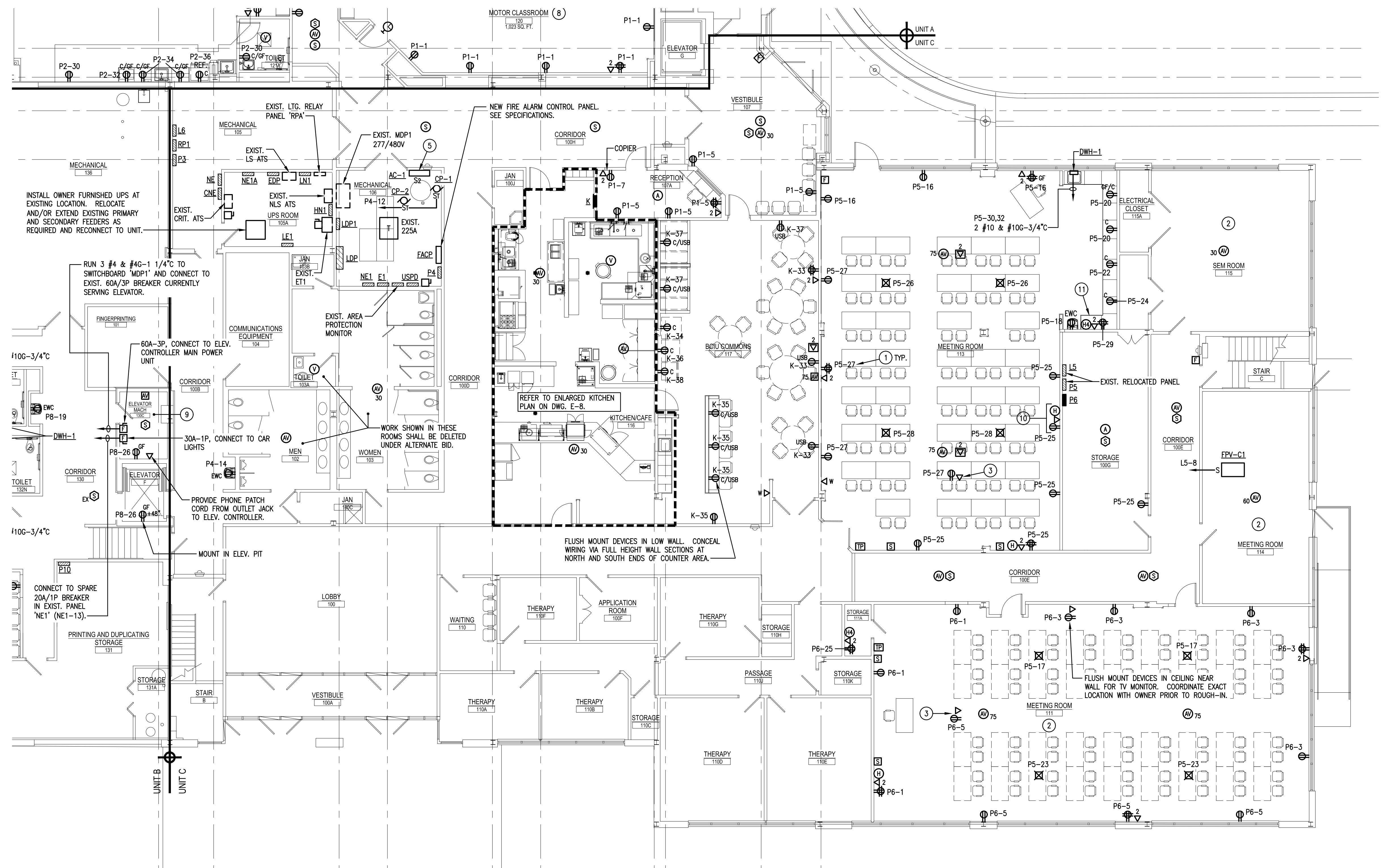
AD DIMENSIONS AND EXISTING CONDITIONS
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JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

E-3







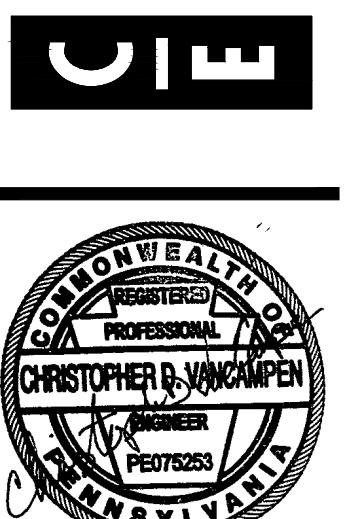
FIRST FLOOR PLAN - UNIT C - POWER

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

DRAWING NOTES:

1. CIRCUIT ROOM RECEPTACLES TO CIRCUIT INDICATED IN BOX OR CIRCUIT NUMBER INDICATED ADJACENT TO OUTLET VIA 2 #12 & #12G-3/4" UNLESS NOTED OTHERWISE.
2. E.C. SHALL REINSTALL WIRELESS NODE(S) IN THIS SPACE UPON COMPLETION OF NEW CEILING GRID WORK. COORDINATE EXACT MOUNTING LOCATION OF DEVICES WITH OWNER AND EXISTING ABOVE CEILING DATA JACK LOCATIONS, PRIOR TO ROUGH-IN.
3. FLUSH MOUNT DUPLEX RECEPTACLE AND DATA JACK IN CEILING ADJACENT TO PROJECTOR LOCATION. COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN. E.C. TO INSTALL CEILING PROJECTOR FURNISHED BY OWNER AND PROVIDE ALL REQUIRED MOUNTING HARDWARE.
4. PROVIDE DEVICES FOR SHORT-THROW TYPE PROJECTOR. COORDINATE EXACT MOUNTING LOCATION OF DEVICES (FLUSH WALL MOUNTED WITHIN PROJECTOR STAND) WITH OWNER PRIOR TO ROUGH-IN. E.C. TO INSTALL SHORT-THROW PROJECTOR FURNISHED BY OWNER AND PROVIDE ALL REQUIRED MOUNTING HARDWARE.
5. CONNECT INDOOR UNIT (AC) TO ASSOCIATED CONDENSING UNIT TERMINAL BLOCK WITH WIRING (QUANTITY AND SIZE) PER MANUFACTURER RECOMMENDATIONS IN 3/4" CONDUIT.
6. CONNECT EXHAUST FAN TO ROOM LIGHTING SWITCH. PROVIDE CONTACTOR/RELAY AS REQUIRED TO CONTROL 120V FAN FROM 277V LIGHT SWITCH AND ROOM LIGHTING.
7. COORDINATE FINAL LOCATION/PLACEMENT OF ALL WIRING DEVICES SHOWN IN SPACE WITH OWNER PRIOR TO ROUGH-IN.
8. PROVIDE TAMPER-RESISTANT RECEPTACLES IN THIS ROOM/SPACE TO MEET NEC ARTICLE 406.12 REQUIREMENT.
9. E.C. SHALL BE RESPONSIBLE FOR COORDINATING ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ELEVATOR EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN OF ANY ELEVATOR EQUIPMENT. COORDINATE EXACT MOUNTING LOCATION OF DEVICES WITH ELEVATOR CONTROLS AS REQUIRED FOR ELEVATOR RECALL FUNCTION. PROVIDE TVSS SURGE PROTECTION DEVICE ON ELEVATOR CONTROLLER SIMILAR TO CURRENT TECHNOLOGY LOAD GUARD.
10. COORDINATE EXACT MOUNTING LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN OF DEVICES FOR TV MONITOR/LED SCREEN. PROVIDE FSR INC #PMB-100-WHT PROJECT WALL BOX FOR INSTALLATION OF DEVICES. CONCEAL WALL BOX BEHIND TV MONITOR.
11. LOCAL A/V SYSTEM EQUIPMENT TO BE LOCATED IN BASE CABINET. PROVIDE FAN KIT WITH THERMOSTAT CONTROL. PROVIDE (3) FANS PRODUCING MINIMUM 150 CFM AT MAXIMUM 21 DBA. INSTALL AT UPPER SLOT OPENING. COORDINATE INSTALLATION WITH CABINET MANUFACTURER/INSTALLER.

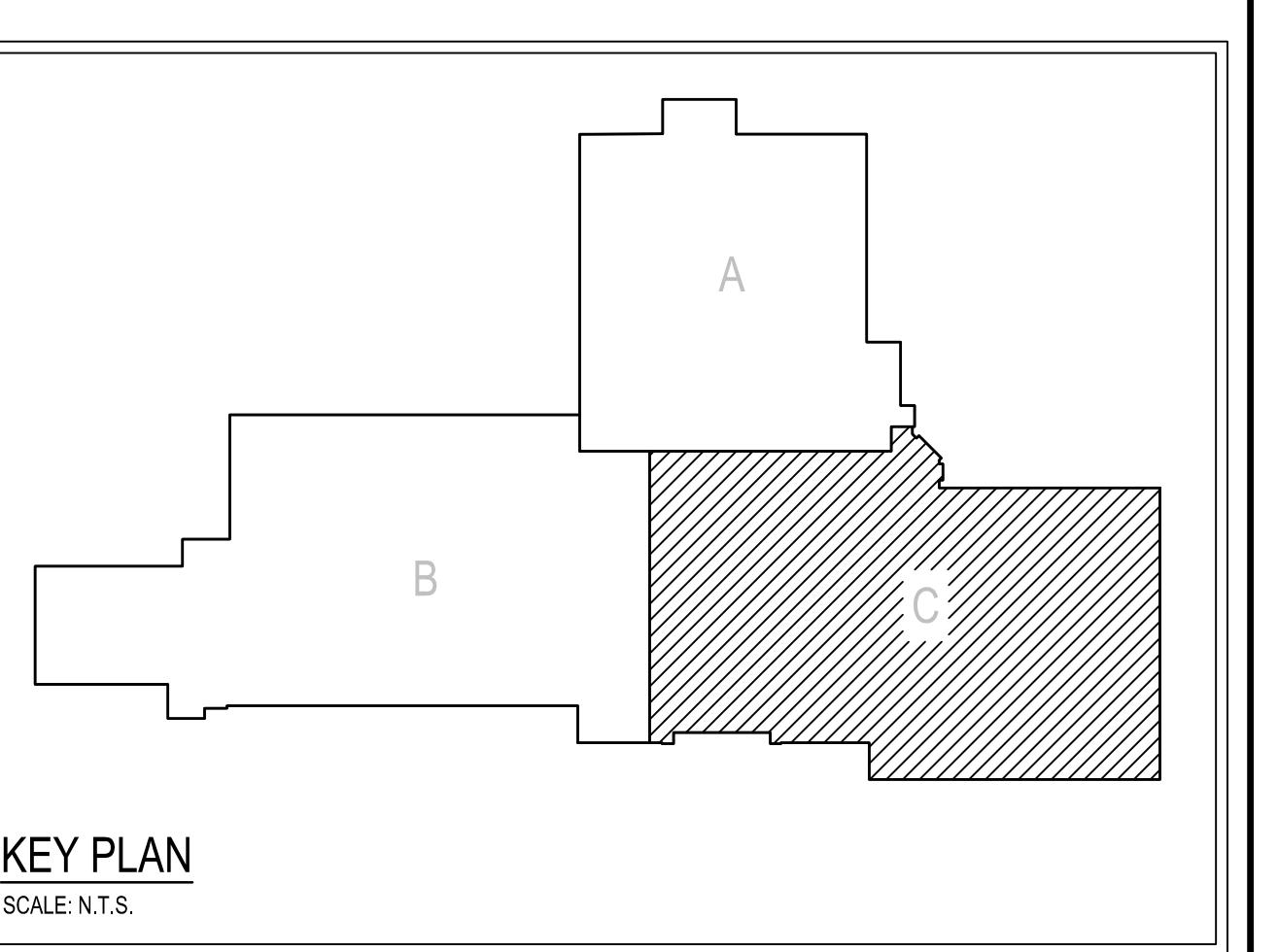
CONSOLIDATED
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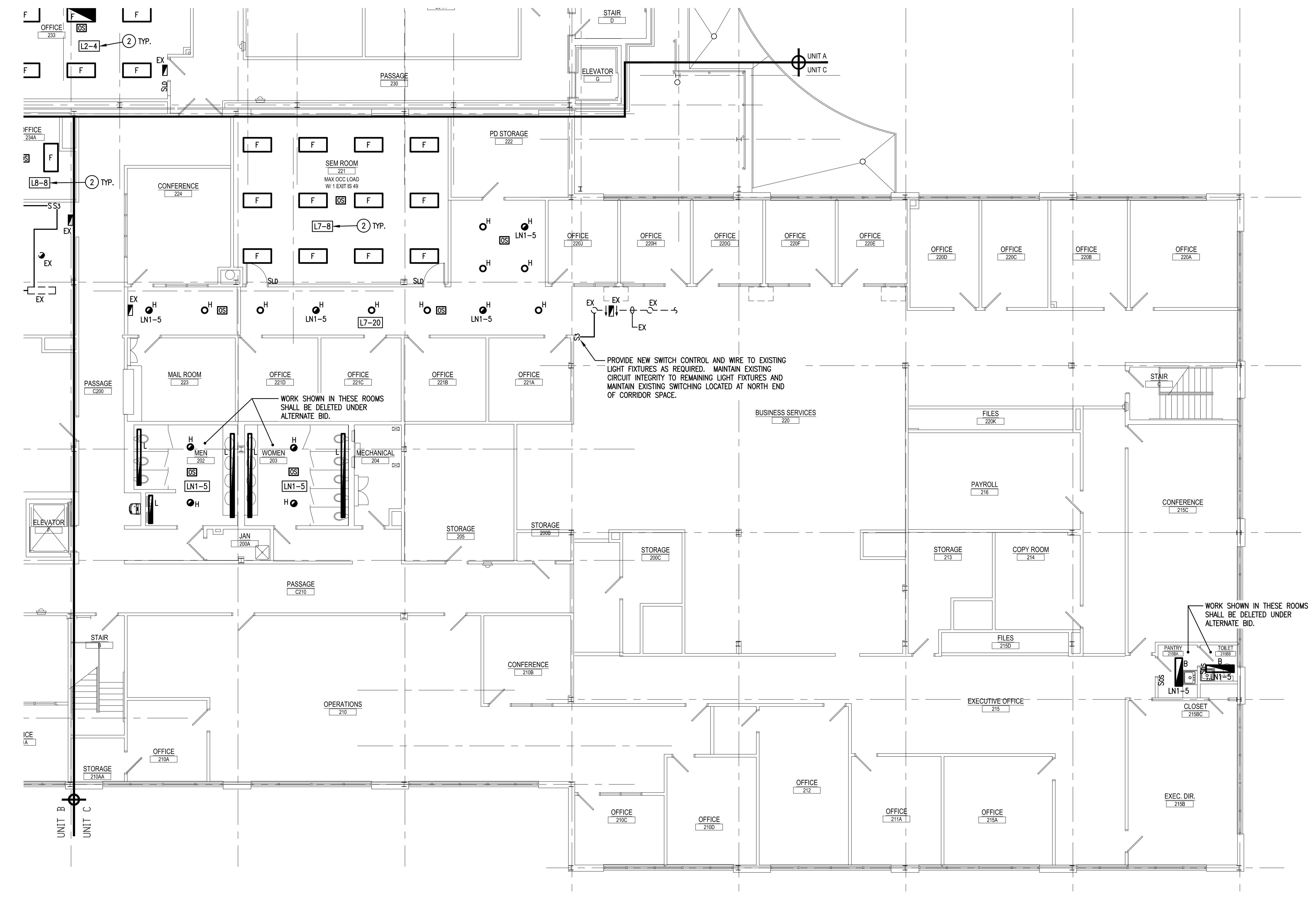
AEM ARCHITECTS INC.
1111 COMMONS BLVD, READING, PA 19605
Phone: 610-779-3220 Fax: 610-779-9622
Email: info@aemarch.com
www.aemarch.com

FIRST FLOOR PLAN - UNIT C-POWER
BCIU MAIN OFFICE
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
1111 COMMONS BLVD, READING, PA 19605
Dimensions and Existing Condition
should be checked and verified
by the Contractor at the site.

JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.2015



KEY PLAN
SCALE: N.T.S.



SECOND FLOOR PLAN - UNIT C - LIGHTING

SCALE: 18' x 14'

DRAWING NOTES:

1. LIGHT FIXTURE WIRING. SUB-LETTERS INDICATE WHICH FIXTURE, SWITCH CONTROLS. WIRE TO INDICATED SWITCHES WITHIN ROOM ACCORDINGLY.
2. WIRE LIGHT FIXTURES TO CONTROLS INDICATED WITHIN ROOM/AREA. CONNECT LIGHT FIXTURES TO BRANCH CIRCUIT INDICATED IN BOX OR ADJACENT TO FIXTURE. (CIRCUIT INDICATED IS ACTIVE IN ADJACENT AREAS NOT BEING RENOVATED.)
3. CONNECT ALL TYPE 'E1' AND 'E2' EXIT SIGN LIGHT FIXTURES TO LINE SIDE OF NEAREST 277 VOLT NORMAL/EMERGENCY CORRIDOR LIGHTING CIRCUIT.
4. WIRE LIGHT FIXTURE TO NORMAL/EMERGENCY PANEL AND CIRCUIT NUMBER INDICATED. FIXTURE SHALL BE CONTROLLED VIA ROOM/SPACE LIGHTING CONTROL SYSTEM WITH "NORMAL POWER ONLY" LIGHT FIXTURES. SEE SPECIFICATIONS.
5. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN STORAGE 232A AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
6. PROVIDE NEW CONTROLS IN THIS AREA AS SHOWN AND WIRE TO EXISTING LIGHT FIXTURES AS REQUIRED. MAINTAIN EXISTING THREE-WAY DIMMER SWITCH CONTROL LOCATED IN IT STORAGE 234K AND BRANCH LIGHTING CIRCUIT SERVING THIS AREA.
7. WIRE UNDERCABINET LIGHT FIXTURE TO TOGGLE SWITCH LOCATED ABOVE COUNTER. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROL SO THE UNDERCABINET FIXTURES ARE ONLY OPERATIONAL WHEN THE ROOM CEILING LIGHTS ARE OPERATIONAL.

SECOND FLOOR PLAN - UNIT C - LIGHTING
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE

1111 COMMONS BLVD, READING, PA 19605

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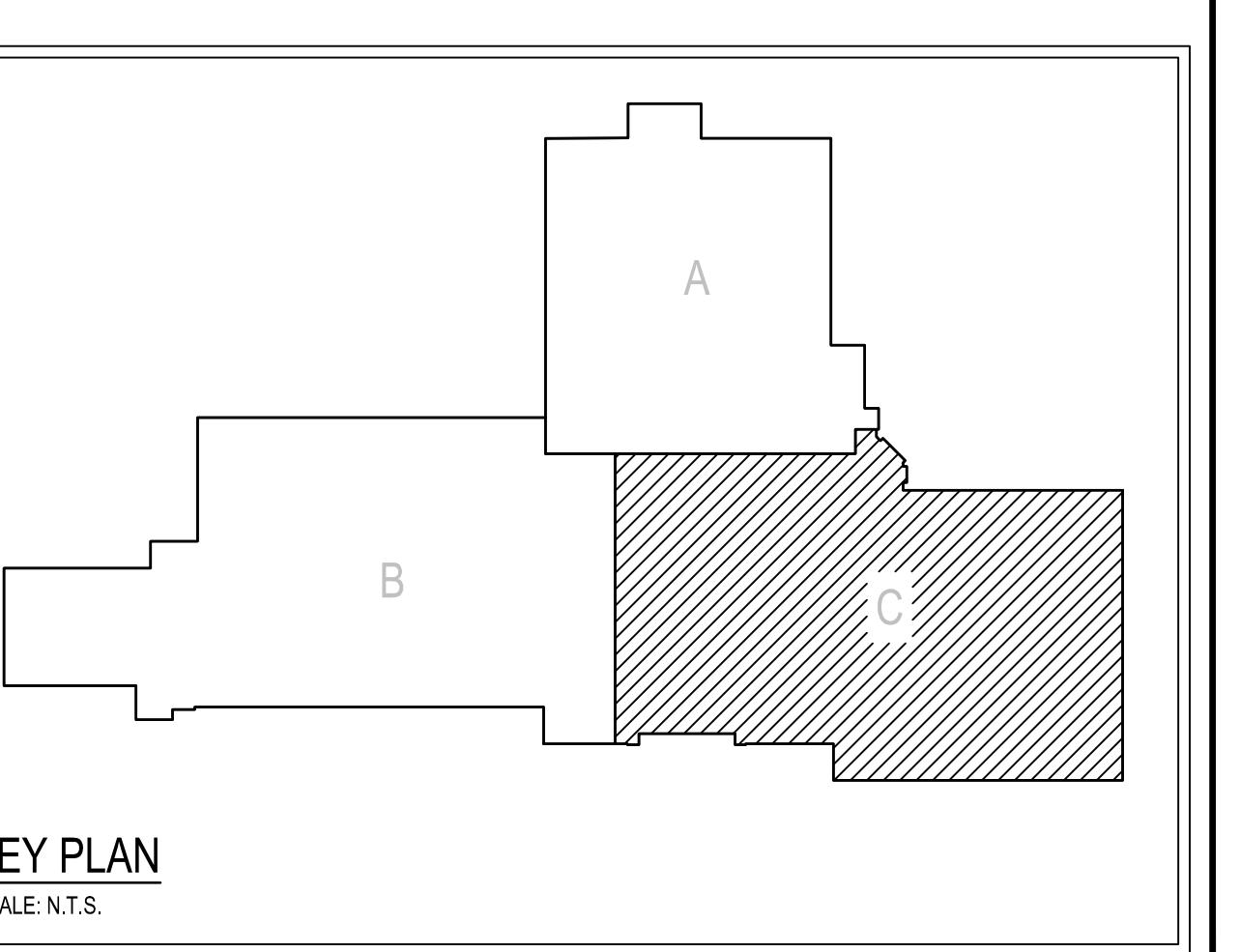
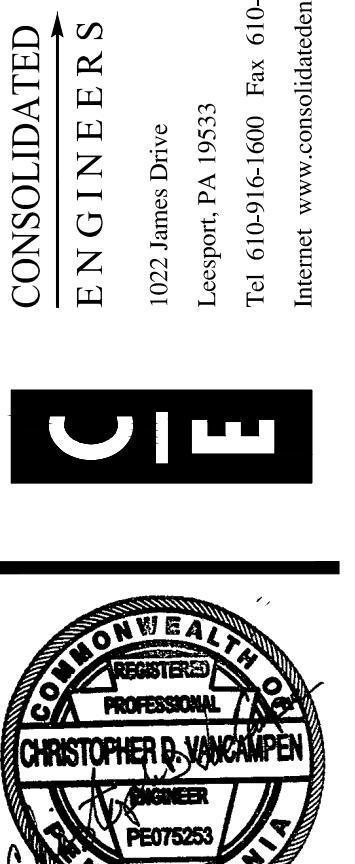
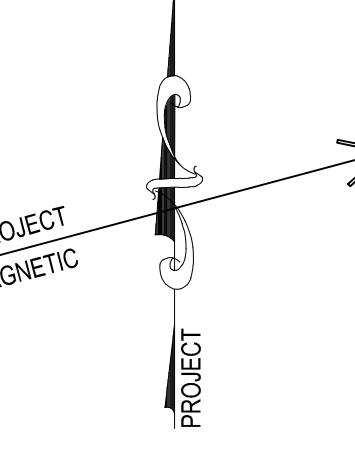
2700 PERKOMEN AVENUE, READING, PA 19606

Phone: 610.779.3220 Fax: 610.779.9622 www.aemarch.com

1022 James Drive, Lehigh, PA 19533

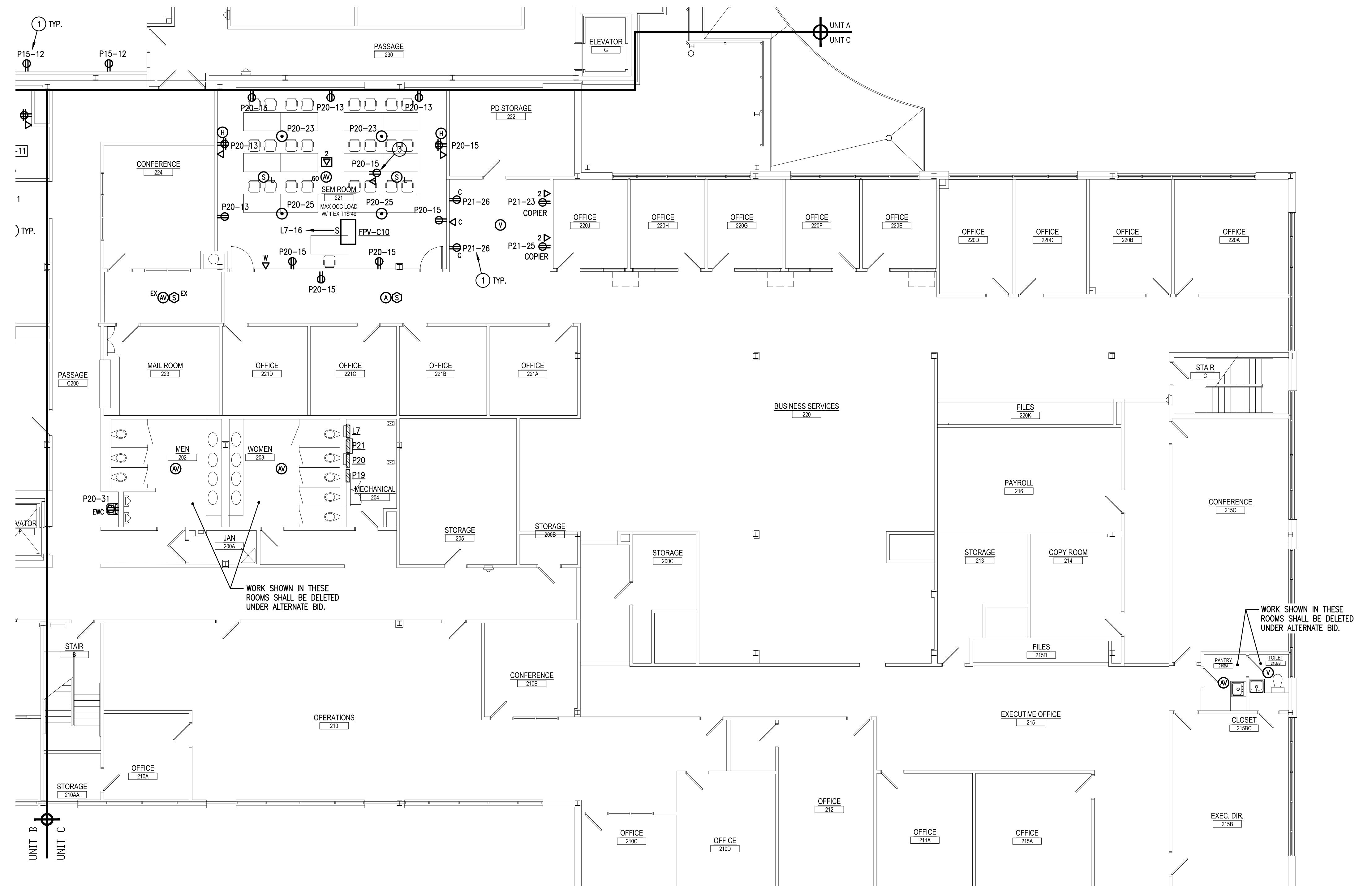
Tel: 610.916.1600 Fax: 610.916.1610

Internet: www.consolatedengineers.com



KEY PLAN
SCALE: N.T.S.

E-C3



SECOND FLOOR PLAN - UNIT C - POWER

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

DRAWING NOTES:

- CIRCUIT ROOM RECEPTACLES TO CIRCUIT INDICATED IN BOX OR CIRCUIT NUMBER INDICATED ADJACENT TO OUTLET VIA #12 & #12G-3/4" UNLESS NOTED OTHERWISE.
- E.C. SHALL REINSTALL WIRELESS NODE(S) IN THIS SPACE UPON COMPLETION OF NEW CEILING GRID WORK. COORDINATE EXACT MOUNTING LOCATION OF DEVICES WITH OWNER AND EXISTING ABOVE CEILING DATA JACK LOCATIONS, PRIOR TO ROUGH-IN.
- FLUSH MOUNT DUPLEX RECEPTACLE AND DATA JACK IN CEILING ADJACENT TO PROJECTOR LOCATION. COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN. E.C. TO INSTALL CEILING PROJECTOR FURNISHED BY OWNER AND PROVIDE ALL REQUIRED MOUNTING HARDWARE.
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- CONNECT INDOOR UNIT (AC) TO ASSOCIATED CONDENSING UNIT TERMINAL BLOCK WITH WIRING (QUANTITY AND SIZE) PER MANUFACTURER RECOMMENDATIONS IN 3/4" CONDUIT.
- CONNECT EXHAUST FAN TO ROOM LIGHTING SWITCH. PROVIDE CONTACTOR/RELAY AS REQUIRED TO CONTROL 120V FAN FROM 277V LIGHT SWITCH AND ROOM LIGHTING.
- COORDINATE FINAL LOCATION/PLACEMENT OF ALL WIRING DEVICES SHOWN IN SPACE WITH OWNER PRIOR TO ROUGH-IN.
- PROVIDE TAMPER-RESISTANT RECEPTACLES IN THIS ROOM/SPACE TO MEET NEC ARTICLE 406.12 REQUIREMENT.
- E.C. SHALL BE RESPONSIBLE FOR COORDINATING ALL ELECTRICAL EQUIPMENT AND DEVICES LOCATED WITH ELEVATOR EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN OF ANY ELECTRICAL EQUIPMENT. INTEGRATE EXISTING FIRE ALARM SYSTEM TO NEW ELEVATOR CONTROLS AS REQUIRED FOR ELEVATOR RECALL FUNCTION. PROVIDE TVSS SURGE PROTECTION DEVICE ON ELEVATOR CONTROLLER SIMILAR TO CURRENT TECHNOLOGY LOAD GUARD.
- COORDINATE EXACT MOUNTING LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN OF DEVICES FOR TV MONITOR/LED SCREEN. PROVIDE FSR INC. #MB-100-WHT PROJECT WALL BOX FOR INSTALLATION OF DEVICES. CONCEAL WALL BOX BEHIND TV MONITOR.
- LOCAL A/V SYSTEM EQUIPMENT TO BE LOCATED IN BASE CABINET. PROVIDE FAN KIT WITH THERMOSTAT CONTROL. PROVIDE (3) FANS PRODUCING MINIMUM 150 CFM AT MAXIMUM 21 DBA. INSTALL AT UPPER SLOT OPENING. COORDINATE INSTALLATION WITH CABINET MANUFACTURER/INSTALLER.

SECOND FLOOR PLAN - UNIT C - POWER
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCI MAIN OFFICE

1111 COMMONS BLVD, READING, PA 19605

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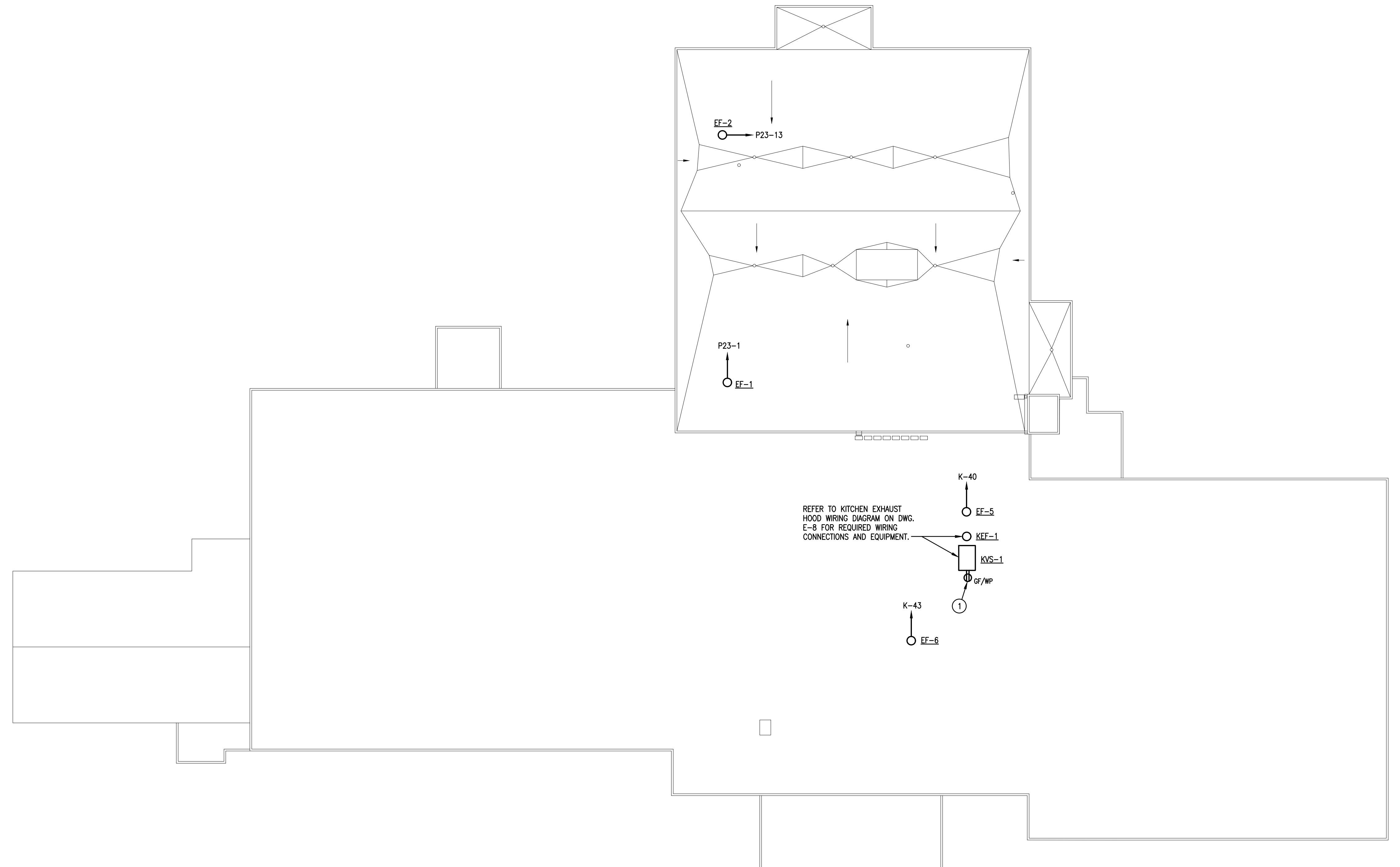
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Phone: 610.779.3220 Fax: 610.779.9622

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DRAWING NOTES:

1. MOUNT ROOFTOP RECEPTACLE ON OR ADJACENT TO UNIT MIN. 24" ABOVE ROOF. CONNECT RECEPTACLE TO NEAREST, EXISTING, UNSWITCHED CORRIDOR OR STORAGE ROOM 120V RECEPTACLE CIRCUIT ACCORDINGLY ON FLOOR BELOW.

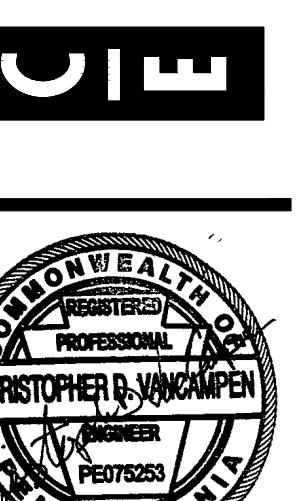
ROOF PLAN - POWER
RENOVATIONS TO BERKS COUNTY INTERMEDIATE UNIT 14
BCIU MAIN OFFICE
1111 COMMONS BLVD, READING, PA 19605

AD DIMENSIONS and EXISTING CONDITIONS
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by the CONTRACTOR at the SITE.

JOB NO.: 24015.00
DRAWN BY: RG
DATE: 10.15.25

E-R1

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Internet: www.consolidatedengineers.com



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