

ABBREVIATIONS

1PH	SINGLE–PHASE	IG	ISOLATED GROUND
1P	1 POLE (2P,3P,4P, ETC.)	IMC	INTERMEDIATE METAL CONDUIT
3PH	THREE–PHASE	J–BOX	JUNCTION BOX
A	AMMETER, AMPERE	kV	KILOVOLT
AC	ALTERNATING CURRENT	kVA	KILOVOLT AMPERE
AF	OR ARMORED CABLE	kW	KILOWATT
AFC	AMPERE FRAME OR AMP FUSE		
AFCI	AVAILABLE FAULT CURRENT	LED	LIGHT EMITTING DIODE
AFI	ARC FAULT CIRCUIT INTERRUPTER	LF	LINEAR FEET (FOOT)
AHJ	ABOVE FINISHED FLOOR		
AIC	AUTHORITY HAVING JURISDICTION	LS	LIFE SAFETY
AMP	AMPERE INTERRUPTING CAPACITY	LTG	LIGHTING
APPROX	AMPERE, AMPACITY, AMPLIFIER	LTNG	LIGHTNING
ARCH	APPROXIMATELY	LV	LOW VOLTAGE
AT	ARCHITECT, ARCHITECTURAL		
ATS	AMPERE TRIP	MAX	MAXIMUM
AWG	AUTOMATIC TRANSFER SWITCH	MCA	MINIMUM CIRCUIT AMPS
	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
BKR	BREAKER	MCOB	MOLDED CASE CIRCUIT BREAKER
BLDG	BUILDING	MDP	MAIN DISTRIBUTION PANEL
		MECH	MECHANICAL
C	CONDUIT	MIN	MINIMUM
CD	CONSTRUCTION DOCUMENTS	MISC	MISCELLANEOUS
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	MOCP	MAXIMUM OVERCURRENT PROTECTION
CKT	CIRCUIT	MLO	MAIN LUGS ONLY
CKG	CIRCUIT BREAKER	MSB	MAIN SWITCHBOARD
CLG	CEILING	MT,MTD,MTG	MOUNT, MOUNTED, MOUNTING
COMM	COMMUNICATION	MTR	MOTOR, MOTORIZED
CONN	CONNECTION	MV	MEDIUM VOLTAGE
CONST	CONSTRUCTION		
CONT	CONTINUE, CONTINUATION	N/A	NOT APPLICABLE
CONTR	CONTRACTOR	NEC	NATIONAL ELECTRICAL CODE
CRI	COLOR RENDERING INDEX	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CT	CURRENT TRANSFORMER		
CTR	CENTER	NEUT OR N	NEUTRAL
CU	COPPER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
DEMO	DEMOLITION	NIC	NOT IN CONTRACT
DISC	DISCONNECT	NTS	NOT TO SCALE
DIST	DISTRIBUTION		
DS	DISCONNECT SWITCH	OPD	OVERCURRENT PROTECTION DEVICE
DWG	DRAWING		
		P	POLE
EC	ELECTRICAL CONTRACTOR	PB	PULL BOX, OR PUSHBUTTON
EG	EQUIPMENT GROUND	PH	PHASE
EL	ELEVATION	PNL	PANEL
ELEC	ELECTRIC, ELECTRICAL	PRI	PRIMARY
EM	EMERGENCY	PVC	POLYVINYL CHLORIDE (PLASTIC)
EX	EXISTING	PWR	POWER
		QTY	QUANTITY
FA	FIRE ALARM		
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RCP	REFLECTED CEILING PLAN
FABP	FIRE ALARM BOOSTER	RCPT	RECEPTACLE
FACP	POWER SUPPLY PANEL	RGS	RIGID GALVANIZED STEEL
FBO	FIRE ALARM CONTROL PANEL	RTU	ROOF TOP UNIT
FC	FURNISHED BY OTHERS		
FIXT	FOOTCANDLE	SA	SURGE ARRESTER
FLA	FIXTURE	SCC	SHORT CIRCUIT CAPACITY
FLR	FULL LOAD AMPS	SEC	SECONDARY
FT	FLOOR	SP	SPARE
FU	FEET OR FOOT	SPD	SURGE PROTECTIVE DEVICE
	FUSE	SPEC	SPECIFICATION
G/GRD/GND		STD	STANDARD
GC	GROUND	SW	SWITCH
GFCI	GENERAL CONTRACTOR	SWBD	SWITCHBOARD
GRC	GROUND FAULT CIRCUIT INTERRUPTER	SWGR	SWITCHGEAR
	GALVANIZED RIGID CONDUIT		
HP	HORSEPOWER	TL	TWIST LOCK
HV	HIGH VOLTAGE	TYP	TYPICAL
HZ	HERTZ		
		UG	UNDERGROUND
		UL	UNDERWRITERS LABORATORY
		UON	UNLESS OTHERWISE NOTES
		UTIL	UTILITY
		V	VOLT, VOLTAGE
		VA	VOLT AMPERE
		VFD	VARIABLE FREQUENCY DRIVE
		W	WATT
		WP	WEATHERPROOF
		XFMR	TRANSFORMER

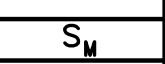
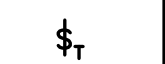
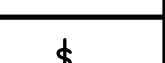
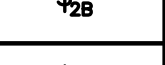
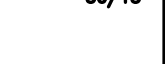
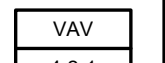
DEMOLITION NOTES

1. GENERAL	ALARM, EMERGENCY LIGHTING, FIRE PROTECTION, ETC.) ARE TO BE MAINTAINED FOR THE DURATION OF CONSTRUCTION UNTIL NEW SYSTEMS ARE INSTALLED AND APPROVED. PROVIDE TEMPORARY SUPPORT AS REQUIRED.
A. PERMITS, TEST, GUARANTEES, & APPROVALS	A.3.CONTRACTOR TO PROVIDE TEMPORARY POWER.
A.1.THE CONTRACTOR MUST FILE ALL NECESSARY DRAWINGS, PERFORM CONTROLLED INSPECTIONS, PAY ALL FEES, & OBTAIN ALL PERMITS & CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.	
A.2.TEST MUST BE PERFORMED IN THE PRESENCE OF ENGINEER, ARCHITECT AND/OR AUTHORITIES HAVING JURISDICTION. PROVIDE ALL REQUIRED LABOR, MATERIAL, EQUIPMENT & CONNECTIONS & SUBMIT ALL RESULTS FOR REVIEW. TESTING MUST BE COORDINATED WITH THE CONTRACTING OFFICER REPRESENTATIVE. (COR)	
2. SCOPE OF WORK	
THE CONTRACTOR MUST FURNISH AND INSTALL ALL LABOR AND MATERIAL AS REQUIRED TO DEMOLISH EXISTING SYSTEMS AS INDICATED. WORK MUST INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:	
A. FULL DEMOLITION	
A.1.ALL ELECTRICAL EQUIPMENT, CONDUIT, & WIRING SERVING MECHANICAL, PLUMBING, OR FIRE PROTECTION EQUIPMENT TO BE REMOVED IS TO BE REMOVED. CONTRACTOR TO REVIEW MECHANICAL, PLUMBING, & FIRE PROTECTION DRAWINGS FOR REMOVALS.	
A.2.EXISTING OPERATIONAL LIFE SAFETY SYSTEMS (FIRE	

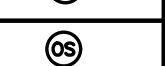
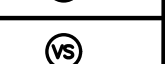
GENERAL ELECTRICAL NOTES

1. THIS IS A STANDARD LEGEND SHEET. SOME SYMBOLS OR ABBREVIATIONS APPEAR ON THIS SHEET AND NOT ON PROJECT DRAWINGS.	OF THE ITEMS, NECESSARY FOR COMPLETE EXECUTION AND INSTALLATION, ARE SHOWN.
2. UNLESS OTHERWISE INDICATED, MOUNTING ELEVATIONS ARE CENTERLINE ELEVATIONS.	16. EXISTING ELECTRICAL EQUIPMENT AND PANELBOARDS MUST BE MODIFIED AS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT. REPLACE EXISTING CIRCUIT BREAKERS IN EXISTING PANELBOARD SERVING THE EQUIPMENT IN THE AREA WITH IDENTICAL NEW BREAKERS AS REQUIRED.
3. CONDUIT HOMERUNS NOT OTHERWISE MARKED MUST BE CONSIDERED 2#12 AND 1#12 GROUND IN 3/4" MIN. CONDUIT.	17. EXISTING EQUIPMENT AFFECTED BY THE WORK OF THIS CONTRACT MUST BE COMPLETELY IDENTIFIED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CONTRACT. UNLESS OTHERWISE NOTED, ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING CONDUITS, ETC. MUST REMAIN FUNCTIONAL AND IN PLACE THROUGHOUT CONSTRUCTION. ONLY THAT SCOPE IDENTIFIED MUST BE IMPACTED.
4. CIRCUITS ARE RATED FOR INDOOR OVERHEAD ROUTING. OBTAIN ENGINEER APPROVAL ON DERATING FOR UNDERGROUND, TRAY, PLENUM AND ROOF–MOUNTED INSTALLATIONS. LIMIT VOLTAGE DROP TO 2% FOR FEEDERS AND 3% FOR BRANCH CIRCUITS.	18. PRIOR TO COMMENCEMENT OF WORK, SUBMIT A DETAILED STAGING SCHEDULE TO ENGINEER FOR APPROVAL. COORDINATE ALL CONSTRUCTION ACTIVITIES THAT MAY AFFECT OPERATIONS WITH THE ENGINEER.
5. CONTRACTOR MUST NOT BE PERMITTED TO CONSOLIDATE INDIVIDUAL BRANCH CIRCUIT HOME RUNS EXCEPT AS FOLLOWS: 5.1. WHEN SHOWN ON DRAWINGS 5.2. WITH PRIOR WRITTEN APPROVAL BY THE ENGINEER 5.3. ABOVE ACCESSIBLE CEILING NEAR PANEL.	19. ALL EQUIPMENT/DEVICES MUST BE OF RECENT MANUFACTURE AND MUST MEET THE REQUIREMENTS OF APPLICABLE ANSI OR NEMA SPECIFICATIONS. WHERE UNDERWRITERS LABORATORIES INC. HAVE ESTABLISHED STANDARDS FOR MATERIALS, FURNISH AND INSTALL MATERIALS BEARING THE UL LABELS.
6. ALL 120V & 277V BRANCH CIRCUITS MUST HAVE DEDICATED NEUTRAL CONDUCTORS. CONSOLIDATED HOMERUNS MUST HAVE A MAXIMUM OF 3 SEPARATE PHASE CONDUCTORS.	20. CONTRACTOR MUST VERIFY THAT THERE ARE NO ADDITIONAL EQUIPMENT CONNECTED TO EXISTING CIRCUIT THAT IS BEING REUSED FOR DEDICATED EQUIPMENT.
7. WIRE AND CONDUIT SIZES AND QUANTITIES FORFEEDERS AND BRANCH CIRCUITS WHICH ARE SHOWN ON ONE–LINE DIAGRAMS APPLY TO PLAN SHEETS.	21. ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF LIGHTING FIXTURES IN MECHANICAL AND STORAGE AREAS WITH OTHER TRADES TO MEET THE MINIMUM LIGHTING DESIGN AS SPECIFIED BY THE ENGINEER.
8. ALL WALL AND FLOOR PENETRATIONS FOR CONDUIT INSTALLATION MUST BE PROPERLY SEALED AND FIRE STOPPED.	22. CONTRACTOR TO COORDINATE ANY SHUTDOWNS OR INTERRUPTIONS OF SERVICE WITH OWNER. PROVIDE MINIMUM 2 WEEKS NOTICE.
9. NEMA 1 UNLESS INDICATED OTHERWISE, 3R=NEMA 3R, 4X=NEMA 4X, WP=WEATHERPROOF, X=EXPLOSIONPROOF.	23. WHERE ELECTRICAL SERVICE SHUTDOWNS ARE REQUIRED PROVIDE FIRE WATCH FOR DURATION WHERE POWER TO FIRE ALARM SYSTEM IS INTERRUPTED.
10. TRAVELERS FOR MULTIPLE LOCATION SWITCHING ARE NOT MARKED ON THE PLANS. CONTRACTOR MUST PROVIDE QUANTITY OF CONDUCTORS REQUIRED FOR THE INDICATED SWITCHING.	24. MC CABLE: 24.1. USE OF MC CABLE LIMITED TO 15A AND 20A BRANCH WIRING OR FINAL CONNECTIONS WHERE EQUIPMENT MAY VIBRATE, WHERE THE FOLLOWING CONDITIONS APPLY: 24.1.1. MAXIMUM LENGTH OF MC CABLE TO BE 10 FEET. 24.1.2. WHERE THERE IS A SUSPENDED CEILING WITH ACCESSIBLE SPACE ABOVE (EX: SUSPENDED TILE CEILING). 24.1.3. FOR FINAL FLEXIBLE CONNECTIONS FROM JUNCTION OR OUTLET BOXES TO RECESSED FIXTURES. DO NOT USE MC CABLE TO LOOP BETWEEN FIXTURES.
11. SERIES OR CASCADED RATINGS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED.	
12. NO WIRING DEVICES OR OUTLET BOXES MUST BE INSTALLED BACK–TO–BACK. CONTRACTOR MUST COORDINATE ALL RECEPTACLE MOUNTING HEIGHTS WITH APPROVED CASEWORK SHOP DRAWINGS PRIOR TO INSTALLATION OF AFFECTED RECEPTACLES.	
13. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS, SPECIFICATIONS OR CODE REQUIREMENTS, THE NOTE WHICH ESTABLISHES THE HIGHER STANDARD MUST PREVAIL.	
14. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.	
15. DRAWINGS REPRESENT ELECTRICAL DESIGN INTENT. CONTRACTOR MUST FURNISH, INSTALL, AND SIZE ALL SLEEVES, HOLES, CORES, PATCHING, SLOTS, ANCHORS, BRACKETS, SUPPORTS, JUNCTION BOXES, PULL BOXES, AND OTHER APPURTENANCES NECESSARY TO EXECUTE THE CONTRACT DOCUMENTS COMPLETE. SOME OF THESE ITEMS MAY BE SHOWN ON THE DRAWINGS FOR CLARITY OR DESIGN PREFERENCE. HOWEVER, NOT ALL	

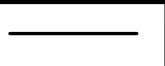
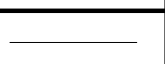
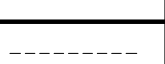
POWER SYMBOLS

SYMBOL	DESCRIPTION
	CONDUIT AND WIRE RUN CONCEALED IN FLOOR, CEILING OR WALL. HASHMARKS DENOTE NUMBER OF WIRES IF MORE THAN TWO ARE REQUIRED. ARROWS DENOTE HOMERUNS OF PARTICULAR CIRCUITS AND QUANTITY OF 1P–20A CIRCUITS. MINIMUM 2#12 THHN / THWN IN 3/4" CONDUIT U.O.N.
	CONDUIT WITH WIRE RUN EXPOSED IN CEILING OR WALL. HASHMARKS DENOTE NUMBER OF WIRES IF MORE THAN TWO ARE REQUIRED. ARROWS DENOTE HOMERUNS OF PARTICULAR CIRCUITS AND QUANTITY OF 1P–20A CIRCUITS. MINIMUM 2#12 THHN / THWN IN 3/4" CONDUIT U.O.N.
	CEILING MOUNTED JUNCTION/SPLICE BOX, SIZE AS REQUIRED. SUBSCRIPT 'F' INDICATES FLOOR MOUNTED.
	LIGHTING AND POWER PANELBOARD
	SINGLE POLE TOGGLE SWITCH. SUBSCRIPT DENOTES FIXTURES CONTROLLED.
	MOTOR STARTER TOGGLE SWITCH.
	MANUAL SWITCH (T=THERMAL OVERLOAD)
	2 BUTTON LIGHT SWITCH WITH RAISE/LOWER
	5 BUTTON SCENE SETTING SWITCH WITH RAISE/LOWER
	DISCONNECT SWITCH, RATING AND FUSING NOTED. HORSEPOWER RATING AS REQUIRED BY MOTOR LOAD. 'WP' INDICATES WEATHERPROOF ENCLOSURE, OTHERWISE NEMA–1.
	CIRCUIT BREAKER
	MOTOR
	VARIABLE FREQUENCY DRIVE (VFD) WITH INTEGRAL DISCONNECT
	MOTORIZED DAMPER
	VAV TERMINAL TAG
	AHU – FLOOR – BOX ID
	RELAY
	SMOKE DAMPER

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
	LIGHTING FIXTURE W – FIXTURE TYPE XX – CIRCUIT NUMBER Z – CONTROL ZONE
	EMERGENCY LIGHTING FIXTURE W – FIXTURE TYPE XX – CIRCUIT NUMBER Z – CONTROL ZONE
	CEILING MOUNTED DAYLIGHT SENSOR
	CEILING MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED VACANCY SENSOR

DEMO SYMBOLS AND LEGEND

SYMBOL	DESCRIPTION
	NEW
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
(N)	NEW
(E)	EXISTING TO REMAIN
(D)	EXISTING TO BE DEMOLISHED

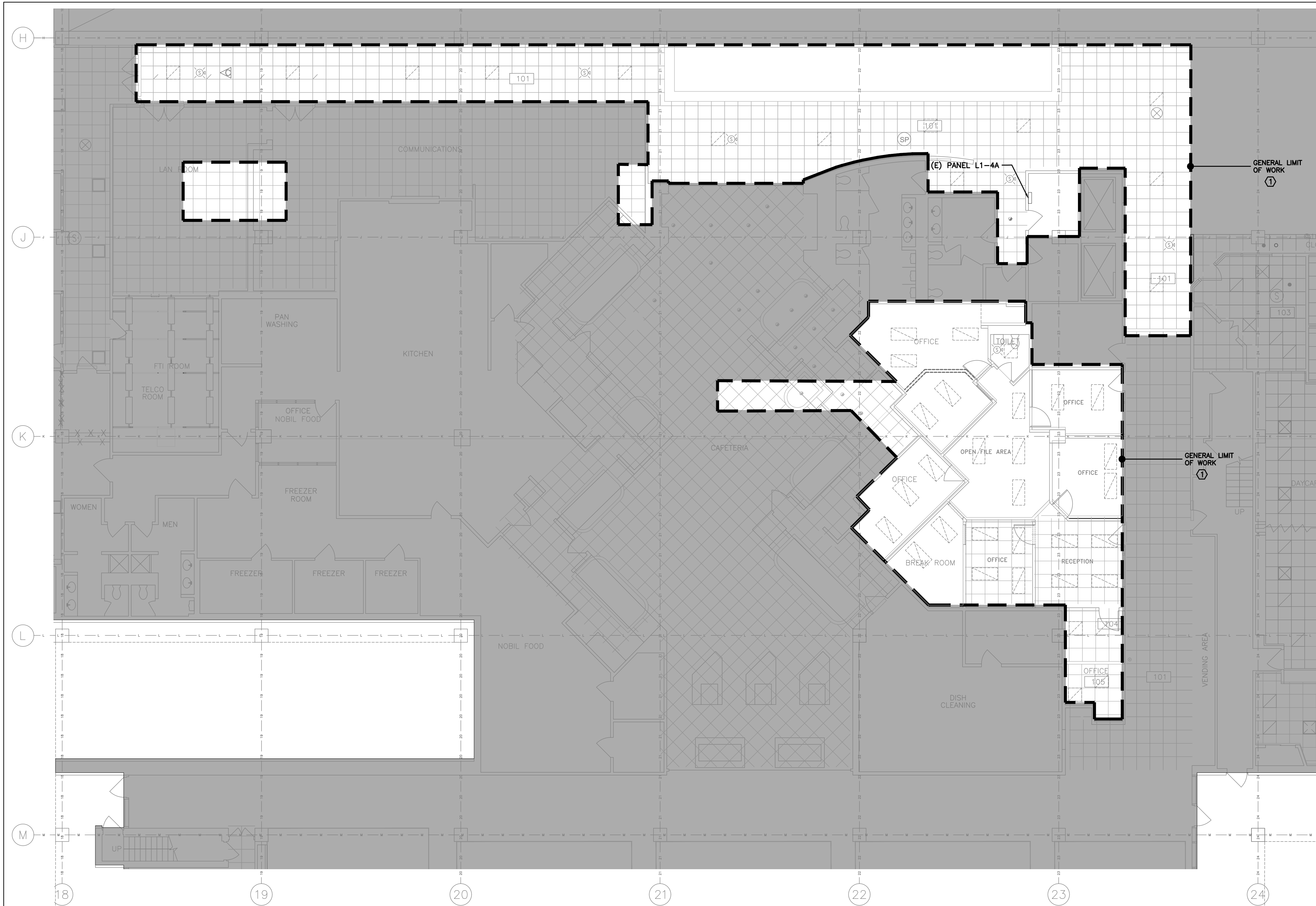
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ELECTRICAL SHEET INDEX

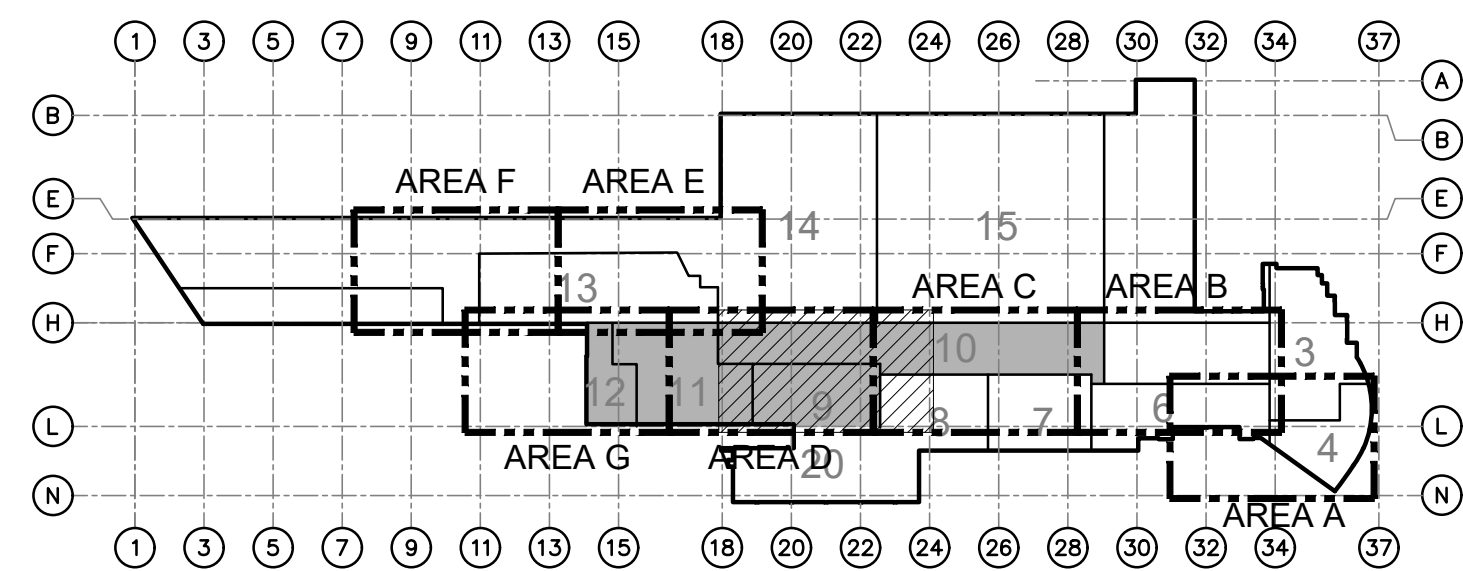
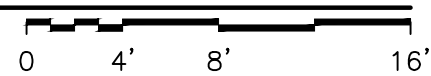
SYMBOL	DESCRIPTION
E0.00	ELECTRICAL: GENERAL NOTES, SYMBOLS AND ABBREVIATIONS
ED2.01	ELECTRICAL: PARTIAL FIRST FLOOR LIGHTING DEMOLITION PLAN – AREA "D"
ED2.02	ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN – AREA "B"
ED2.03	ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN – AREA "C"
ED2.04	ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN – AREA "D"
ED2.05	ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN – AREA "G"
ED2.06	ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING DEMOLITION PLAN – AREA "C"
ED2.07	ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING DEMOLITION PLAN – AREA "D"
ED2.08	ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING DEMOLITION PLAN – AREA "G"
ED3.01	ELECTRICAL: DEMOLITION POWER PART PLAN – MER–2
ED4.01	ELECTRICAL: DEMOLITION LIGHTING PLAN – MER–2
E1.01	ELECTRICAL: PARTIAL FIRST FLOOR POWER PLAN – AREA "D"
E1.02	ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN – AREA "B"
E1.03	ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN – AREA "C"
E1.04	ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN – AREA "D"
E1.05	ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN – AREA "G"
E1.06	ELECTRICAL: PARTIAL THIRD FLOOR POWER PLAN – AREA "C"
E1.07	ELECTRICAL: PARTIAL THIRD FLOOR POWER PLAN – AREA "D"
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E2.03	ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN – AREA "C"
E2.04	ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN – AREA "D"
E2.05	ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN – AREA "G"
E2.06	ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING PLAN – AREA "C"
E2.07	ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING PLAN – AREA "D"
E2.08	ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING PLAN – AREA "G"
E3.01	ELECTRICAL: TEMPORARY POWER PART PLAN – MER–2
E4.01	ELECTRICAL: POWER PART PLAN – MER–2
E4.02	ELECTRICAL: POWER PART PLAN – MER–1 + MER–2A
E5.01	ELECTRICAL: LIGHTING PART PLAN – MER–2
E6.01	PANEL SCHEDULES
E6.02	PANEL SCHEDULES
E6.03	PANEL SCHEDULES
E7.01	ELECTRICAL: DETAILS–1
E7.02	ELECTRICAL: DETAILS–2
E8.01	ELECTRICAL: PARTIAL SINGLE LINE DIAGRAM SUBSTATION 1
E8.02	ELECTRICAL: PARTIAL SINGLE LINE DIAGRAM SUBSTATION 3
E8.03	ELECTRICAL: PARTIAL SINGLE LINE DIAGRAM SUBSTATION 5
E8.04	ELECTRICAL: PARTIAL SINGLE LINE DIAGRAM EMERGENCY POWER BUILDING 300

THIS IS A STANDARD LEGEND SHEET. SOME SYMBOLS OR ABBREVIATIONS APPEAR ON THIS SHEET AND NOT ON PROJECT DRAWINGS.

		STAMP	
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H	06/18/26	BID SUBMISSION	
G	05/22/26	FINAL SUBMISSION	
F	09/16/25	AFTER BID SUBMISSION	
E	07/16/25	REVISED BID SET SUBMISSION	
D	04/22/25	BID SET SUBMISSION	
C	02/21/25	95% DESIGN SUBMISSION	
B	11/26/24	65% DESIGN SUBMISSION	
A	09/06/24	35% DESIGN SUBMISSION	
REV	DATE	DESCRIPTION	CHECK /APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405			
FACILITY BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: GENERAL NOTES, SYMBOLS AND ABBREVIATIONS			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY DATE
			MICHAEL ROSELLI
	DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:
APPROVAL (FINISHES)	DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO. SHEET #
	CHECK: AC		F2024113– E0.00 53 of 110



D ELECTRICAL: PARTIAL FIRST FLOOR LIGHTING DEMOLITION PLAN - AREA "D"
ED2.01 SCALE: 1/8" = 1'-0"



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. THE DEMOLITION OF THE EXISTING CEILING/DUCT/LIGHTING MUST BE PHASED IN CONJUNCTION WITH THE AHU REPLACEMENT.
3. ALL EXISTING CEILING MOUNTED EXIT SIGNS, FIRE ALARM DEVICES, SOUND SYSTEM SPEAKERS, WIRELESS ACCESS POINTS, ELECTRICAL DEVICES, ETC. (BOTH SHOWN AND NOT SHOWN) LOCATED WITHIN THE 'GENERAL LIMIT OF WORK' AREA MUST BE RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CEILING SYSTEMS. VERIFY EXACT QUANTITY OF EXISTING DEVICES THAT MUST BE RELOCATED AND MAINTAINED IN FIELD.
4. ALL EXISTING LIGHTING CONTROLS (SWITCHES, OCCUPANCY SENSORS, ETC.) NO LONGER REQUIRED DUE TO NEW CONSTRUCTION MUST BE COMPLETELY REMOVED. VERIFY EXACT QUANTITY OF EXISTING LIGHTING CONTROLS THAT MUST BE REMOVED IN FIELD.

KEYNOTES:

- ① EXISTING CEILING IN THIS AREA IS BEING REPLACED WITH NEW. REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED WIRING BACK TO SOURCE PANEL IN ELECTRICAL ROOM E1-4.

REFLECTED CEILING PLAN – SYMBOL LEGEND

- SP EXISTING SPEAKER TO BE RETAINED/RELOCATED
- S EXISTING SMOKE DETECTOR TO BE RETAINED/RELOCATED
- S EXISTING CEILING MOUNTED FIRE ALARM STROBE TO BE RETAINED/RELOCATED
- S EXISTING CEILING MOUNTED FIRE ALARM SPEAKER/STROBE TO BE RETAINED/RELOCATED
- EXISTING 2'x2' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- EXISTING 2'x4' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- COMPACT FLUORESCENT DOWNLIGHT TO BE DEMOLISHED
- EXISTING EXIT SIGN TO BE RETAINED/RELOCATED
- WAP EXISTING WIRELESS ACCESS POINT TO BE RETAINED/RELOCATED

AECOM

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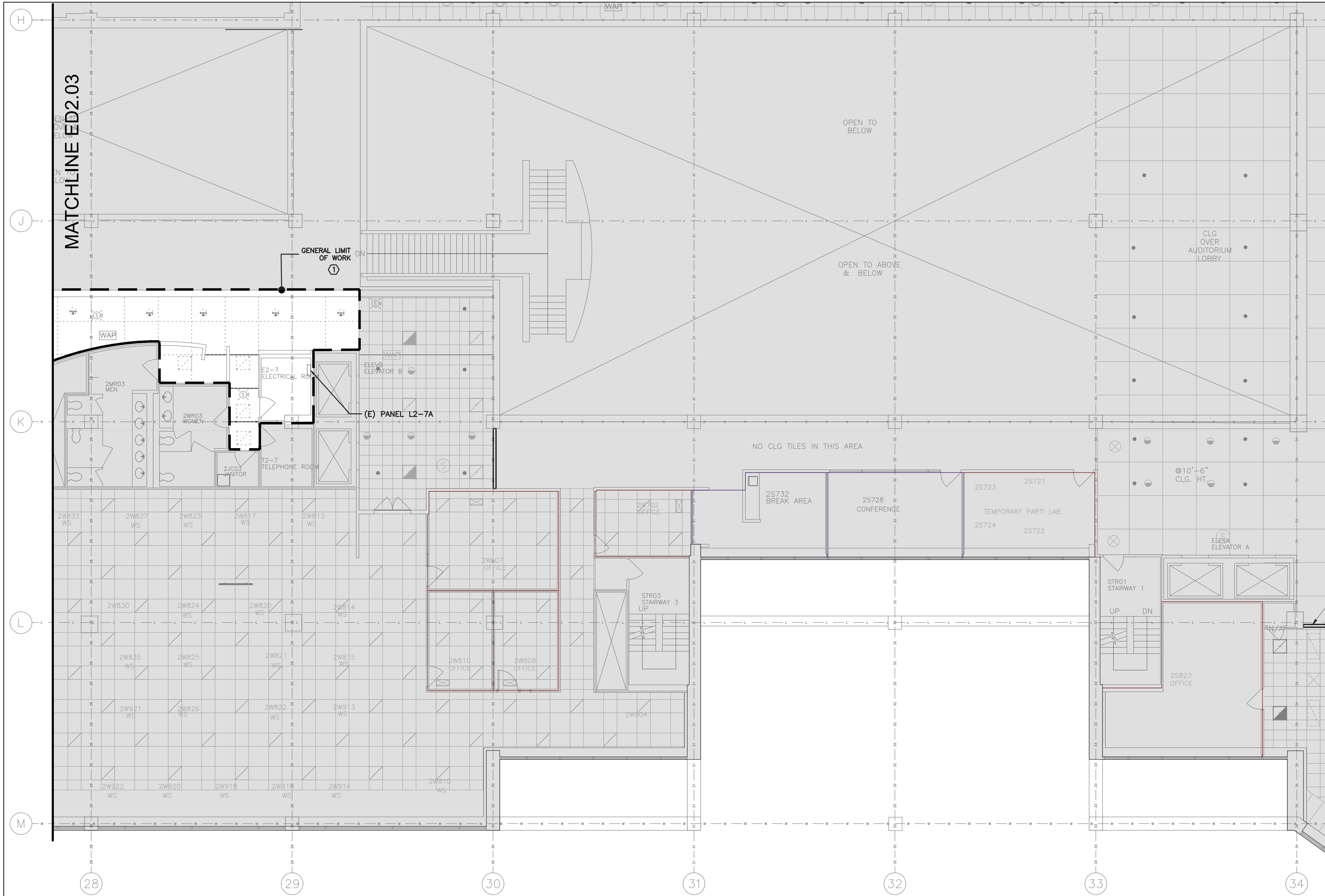
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WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA)
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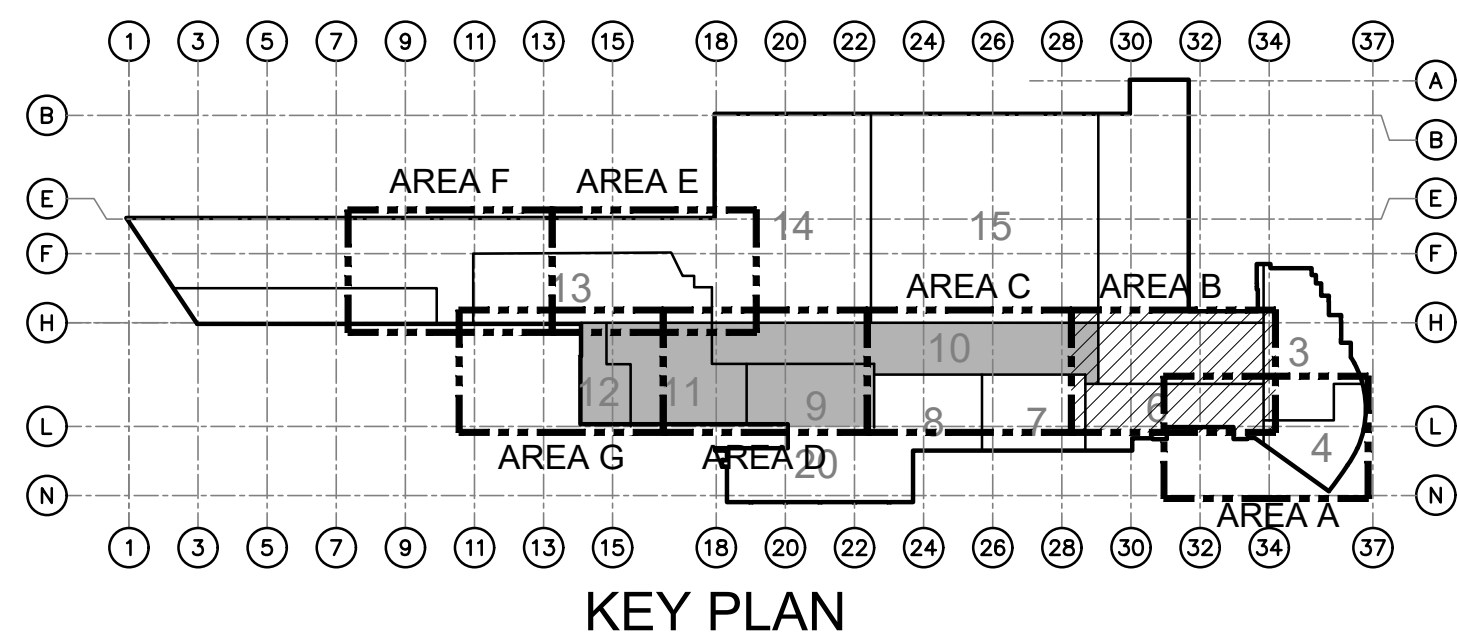
FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL FIRST FLOOR LIGHTING
DEMOLITION PLAN – AREA "D"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.		
CHECK: AC	ENGINEERING DIVISION	F2024113–ED2.01	SHEET #	54 OF 110



B ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN - AREA "B"
ED2.02 SCALE: 1/8" = 1'-0"



- GENERAL NOTES:**
1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
 2. THE DEMOLITION OF THE EXISTING CEILING/DUCT/LIGHTING MUST BE PHASED IN CONJUNCTION WITH THE AHU REPLACEMENT.
 3. ALL EXISTING CEILING MOUNTED EXIT SIGNS, FIRE ALARM DEVICES, SOUND SYSTEM SPEAKERS, WIRELESS ACCESS POINTS, ELECTRICAL DEVICES, ETC. (BOTH SHOWN AND NOT SHOWN) LOCATED WITHIN THE 'GENERAL LIMIT OF WORK' AREA MUST BE RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CEILING SYSTEMS. VERIFY EXACT QUANTITY OF EXISTING DEVICES THAT MUST BE RELOCATED AND MAINTAINED IN FIELD.
 4. ALL EXISTING LIGHTING CONTROLS (SWITCHES, OCCUPANCY SENSORS, ETC.) NO LONGER REQUIRED DUE TO NEW CONSTRUCTION MUST BE COMPLETELY REMOVED. VERIFY EXACT QUANTITY OF EXISTING LIGHTING CONTROLS THAT MUST BE REMOVED IN FIELD.
 5. ELECTRICAL ROOM E2-4 IS LOCATED ON SHEET ED2.03.

- KEYNOTES:**
- ① EXISTING CEILING IN THIS AREA IS BEING REPLACED WITH NEW. REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED WIRING BACK TO SOURCE PANEL IN ELECTRICAL ROOM E2-4 AND E2-7 AS REQUIRED.

- REFLECTED CEILING PLAN – SYMBOL LEGEND**
- Ⓢ EXISTING SPEAKER TO BE RETAINED/RELOCATED
 - Ⓢ EXISTING SMOKE DETECTOR TO BE RETAINED/RELOCATED
 - Ⓢ EXISTING CEILING MOUNTED FIRE ALARM STROBE TO BE RETAINED/RELOCATED
 - Ⓢ EXISTING CEILING MOUNTED FIRE ALARM SPEAKER/STROBE TO BE RETAINED/RELOCATED
 - Ⓢ EXISTING 2'x2' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
 - Ⓢ EXISTING 2'x4' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
 - Ⓢ COMPACT FLUORESCENT DOWNLIGHT TO BE DEMOLISHED
 - Ⓢ EXISTING EXIT SIGN TO BE RETAINED/RELOCATED
 - WAP EXISTING WIRELESS ACCESS POINT TO BE RETAINED/RELOCATED

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tel. (973) 883-8500
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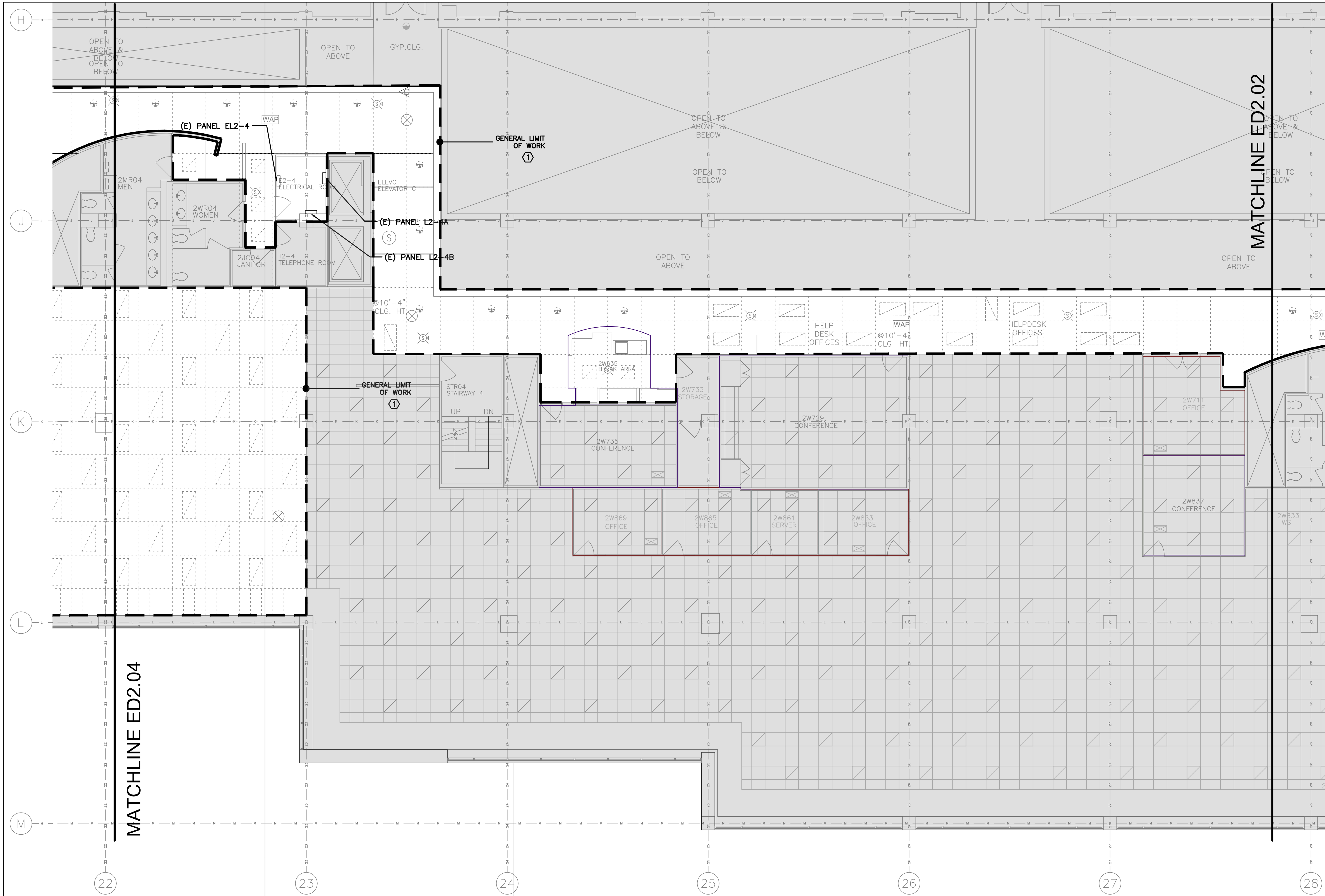
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G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APRV'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING
DEMOLITION PLAN – AREA "B"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #	
CHECK: AC		F2024113–ED2.02	55 OF 110	



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. THE DEMOLITION OF THE EXISTING CEILING/DUCT/LIGHTING MUST BE PHASED IN CONJUNCTION WITH THE AHU REPLACEMENT.
3. ALL EXISTING CEILING MOUNTED EXIT SIGNS, FIRE ALARM DEVICES, SOUND SYSTEM SPEAKERS, WIRELESS ACCESS POINTS, ELECTRICAL DEVICES, ETC. (BOTH SHOWN AND NOT SHOWN) LOCATED WITHIN THE 'GENERAL LIMIT OF WORK' AREA MUST BE RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CEILING SYSTEMS. VERIFY EXACT QUANTITY OF EXISTING DEVICES THAT MUST BE RELOCATED AND MAINTAINED IN FIELD.
4. ALL EXISTING LIGHTING CONTROLS (SWITCHES, OCCUPANCY SENSORS, ETC.) NO LONGER REQUIRED DUE TO NEW CONSTRUCTION MUST BE COMPLETELY REMOVED. VERIFY EXACT QUANTITY OF EXISTING LIGHTING CONTROLS THAT MUST BE REMOVED IN FIELD.

KEYNOTES:

- ① EXISTING CEILING IN THIS AREA IS BEING REPLACED WITH NEW. REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED WIRING BACK TO SOURCE PANEL IN ELECTRICAL ROOM E2-4 AS REQUIRED.

REFLECTED CEILING PLAN – SYMBOL LEGEND

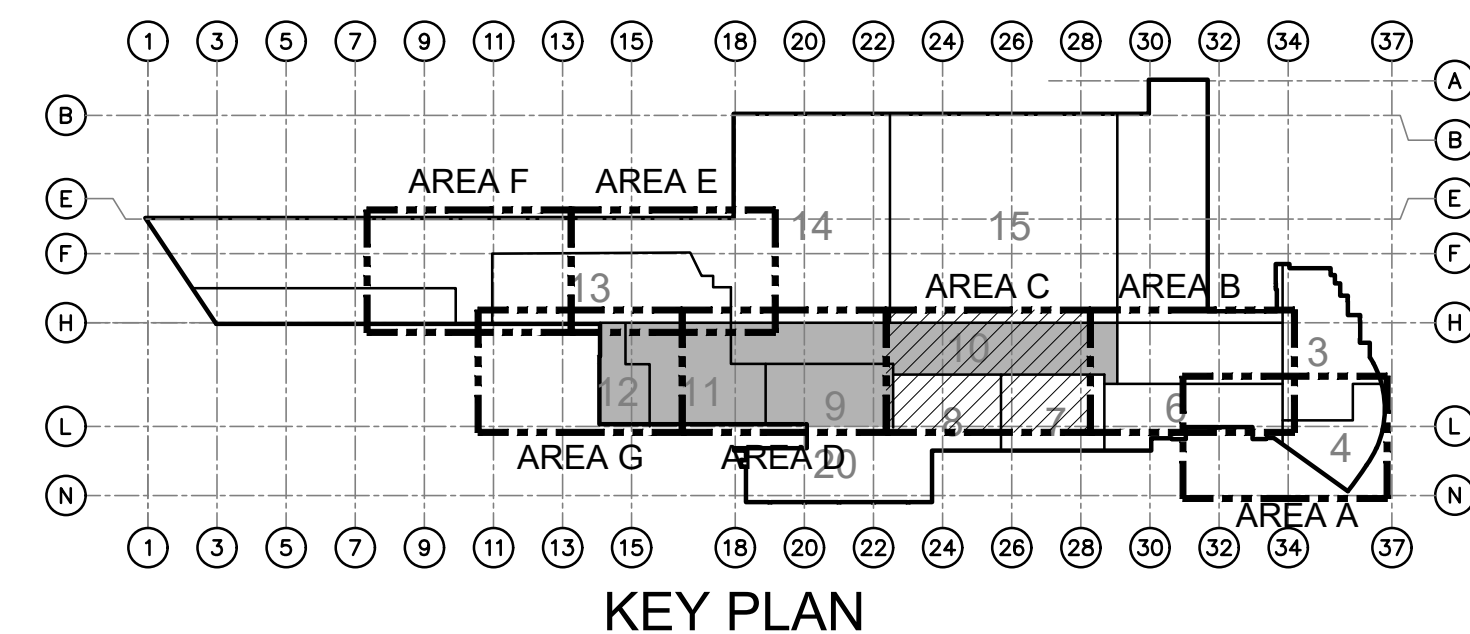
- SP EXISTING SPEAKER TO BE RETAINED/RELOCATED
- S EXISTING SMOKE DETECTOR TO BE RETAINED/RELOCATED
- S EXISTING CEILING MOUNTED FIRE ALARM STROBE TO BE RETAINED/RELOCATED
- S EXISTING CEILING MOUNTED FIRE ALARM SPEAKER/STROBE TO BE RETAINED/RELOCATED
- EXISTING 2'x2' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- EXISTING 2'x4' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- COMPACT FLUORESCENT DOWNLIGHT TO BE DEMOLISHED
- EXISTING EXIT SIGN TO BE RETAINED/RELOCATED
- WAP EXISTING WIRELESS ACCESS POINT TO BE RETAINED/RELOCATED

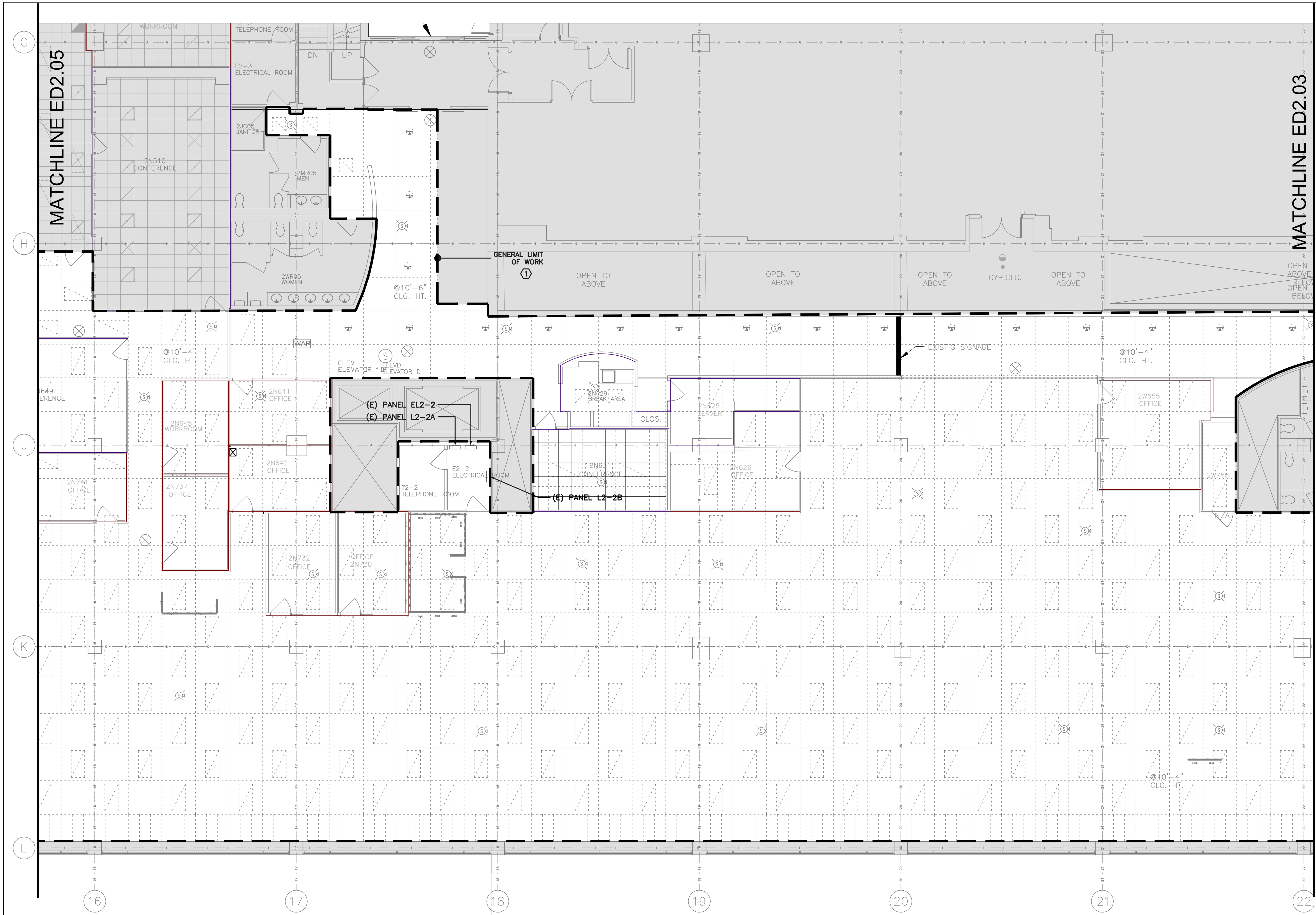
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tel. (973) 883-8500
www.aecom.com

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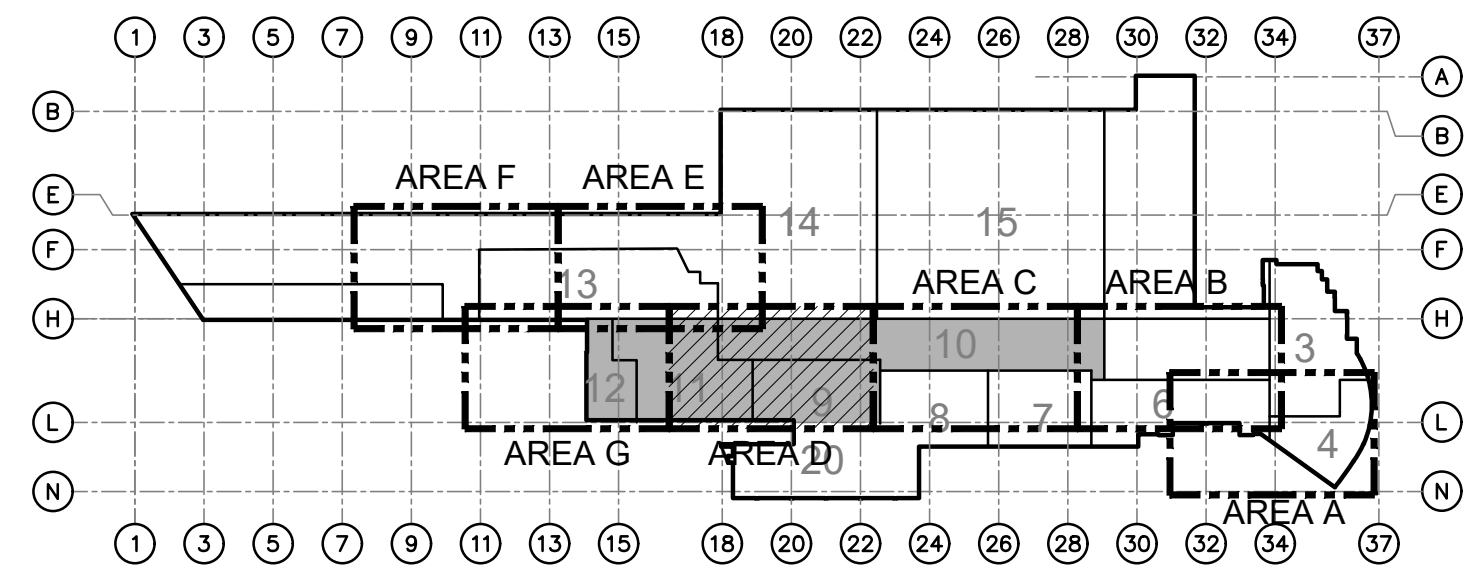
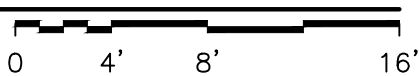
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A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APPR'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405				
FACILITY BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT				
ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN – AREA "C"				
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #	
CHECK: AC		F2024113–ED2.03	56 OF 110	

C ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN - AREA "C"
ED2.03 SCALE: 1/8" = 1'-0"





D ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN - AREA "D"
ED2.04 SCALE: 1/8" = 1'-0"



KEY PLAN

GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. THE DEMOLITION OF THE EXISTING CEILING/DUCT/LIGHTING MUST BE PHASED IN CONJUNCTION WITH THE AHU REPLACEMENT.
3. ALL EXISTING CEILING MOUNTED EXIT SIGNS, FIRE ALARM DEVICES, SOUND SYSTEM SPEAKERS, WIRELESS ACCESS POINTS, ELECTRICAL DEVICES, ETC. (BOTH SHOWN AND NOT SHOWN) LOCATED WITHIN THE 'GENERAL LIMIT OF WORK' AREA MUST BE RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CEILING SYSTEMS. VERIFY EXACT QUANTITY OF EXISTING DEVICES THAT MUST BE RELOCATED AND MAINTAINED IN FIELD.
4. ALL EXISTING LIGHTING CONTROLS (SWITCHES, OCCUPANCY SENSORS, ETC.) NO LONGER REQUIRED DUE TO NEW CONSTRUCTION MUST BE COMPLETELY REMOVED. VERIFY EXACT QUANTITY OF EXISTING LIGHTING CONTROLS THAT MUST BE REMOVED IN FIELD.

KEYNOTES:

- ① EXISTING CEILING IN THIS AREA IS BEING REPLACED WITH NEW. REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED WIRING BACK TO SOURCE PANEL IN ELECTRICAL ROOM E2-2 AS REQUIRED.

REFLECTED CEILING PLAN – SYMBOL LEGEND

- (SP) EXISTING SPEAKER TO BE RETAINED/RELOCATED
- (S) EXISTING SMOKE DETECTOR TO BE RETAINED/RELOCATED
- (S) EXISTING CEILING MOUNTED FIRE ALARM STROBE TO BE RETAINED/RELOCATED
- (S) EXISTING CEILING MOUNTED FIRE ALARM SPEAKER/STROBE TO BE RETAINED/RELOCATED
- EXISTING 2'x2' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- EXISTING 2'x4' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- COMPACT FLUORESCENT DOWNLIGHT TO BE DEMOLISHED
- EXISTING EXIT SIGN TO BE RETAINED/RELOCATED
- WAP EXISTING WIRELESS ACCESS POINT TO BE RETAINED/RELOCATED

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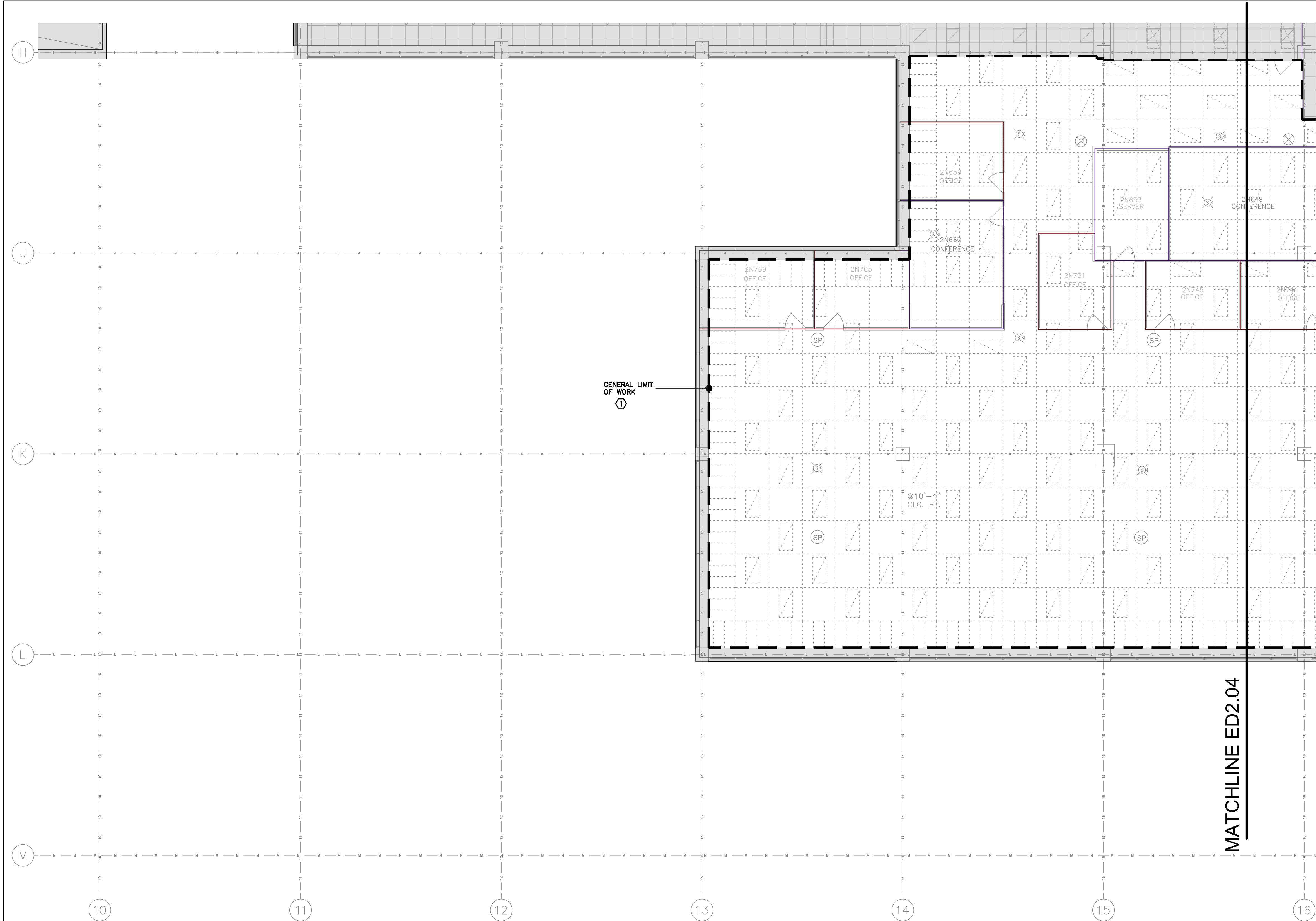
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E	07/16/25	REVISED BID SET SUBMISSION		
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UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN – AREA "D"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.		SHEET #
CHECK: AC		F2024113–ED2.04		57 OF 110

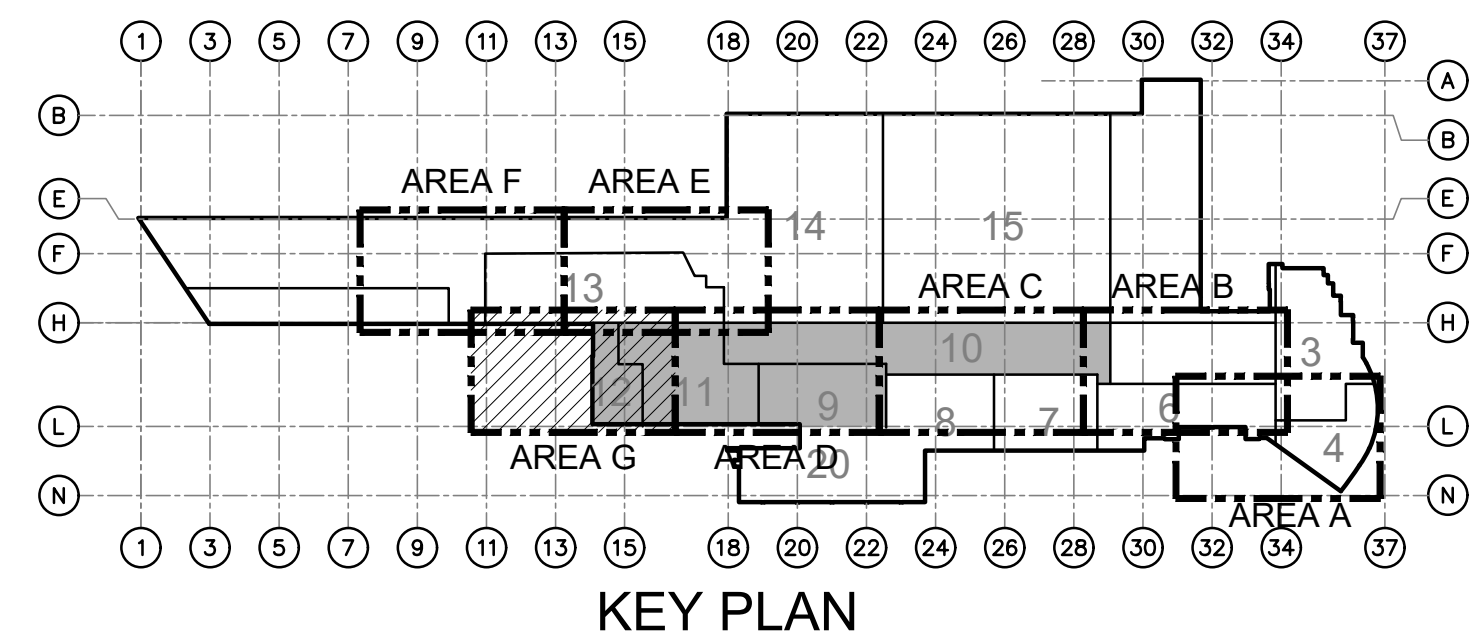


G
ED2.05

ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN - AREA "G"

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

0 4' 8' 16'



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. THE DEMOLITION OF THE EXISTING CEILING/DUCT/LIGHTING MUST BE PHASED IN CONJUNCTION WITH THE AHU REPLACEMENT.
3. ALL EXISTING CEILING MOUNTED EXIT SIGNS, FIRE ALARM DEVICES, SOUND SYSTEM SPEAKERS, WIRELESS ACCESS POINTS, ELECTRICAL DEVICES, ETC. (BOTH SHOWN AND NOT SHOWN) LOCATED WITHIN THE 'GENERAL LIMIT OF WORK' AREA MUST BE RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CEILING SYSTEMS. VERIFY EXACT QUANTITY OF EXISTING DEVICES THAT MUST BE RELOCATED AND MAINTAINED IN FIELD.
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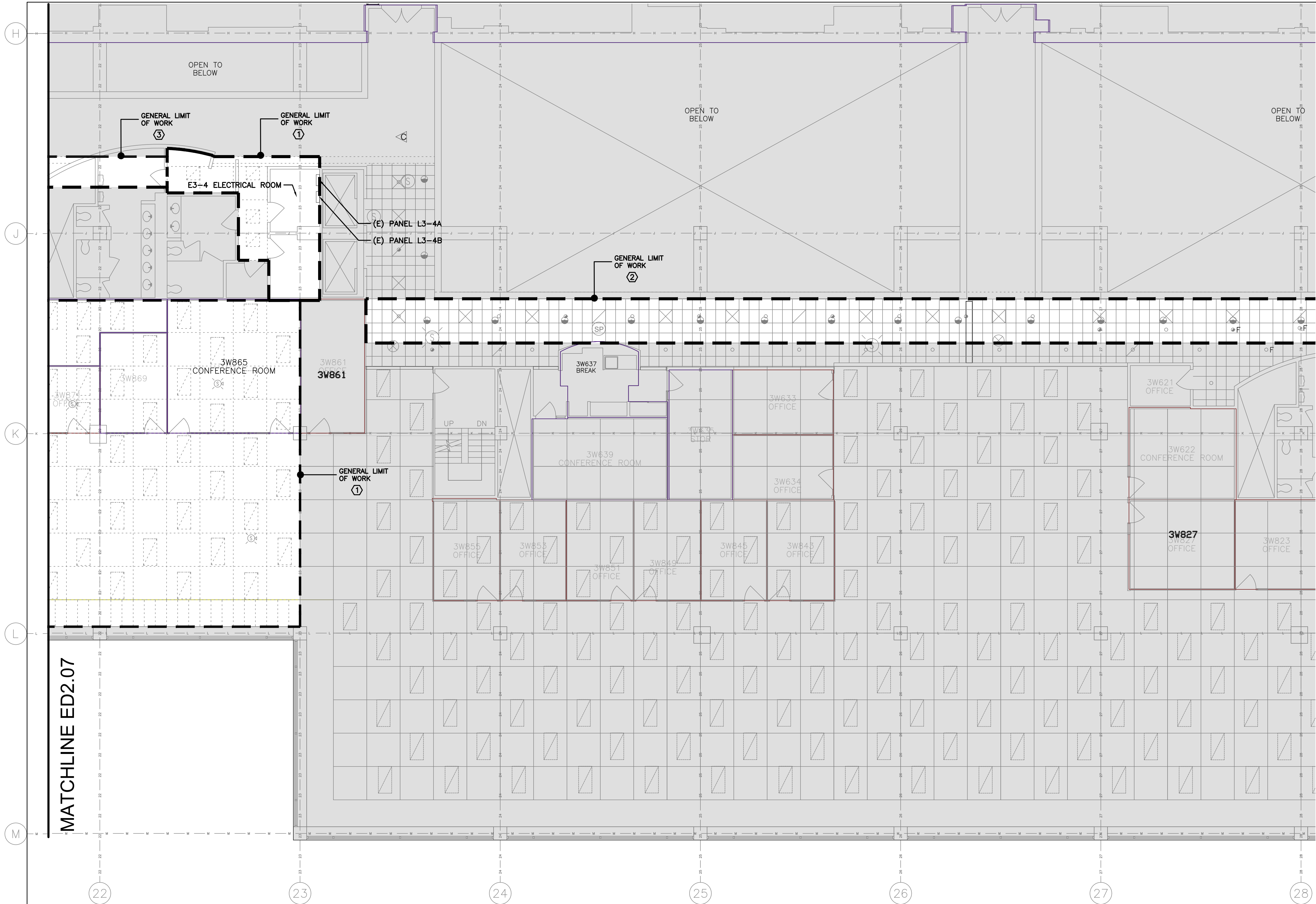
KEYNOTES:

- ① EXISTING CEILING IN THIS AREA IS BEING REPLACED WITH NEW. REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED WIRING BACK TO SOURCE PANEL IN ELECTRICAL ROOM E2-2 AS REQUIRED.

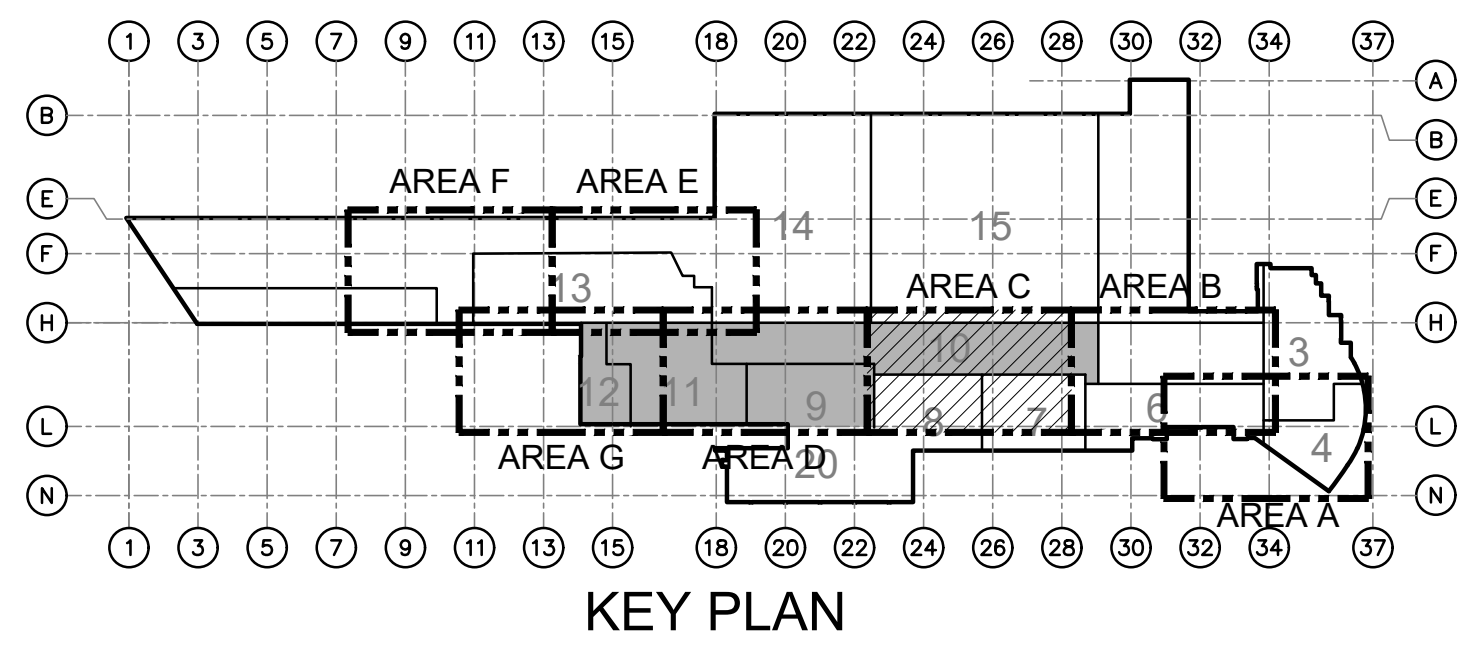
REFLECTED CEILING PLAN – SYMBOL LEGEND

- SP EXISTING SPEAKER TO BE RETAINED/RELOCATED
- S EXISTING SMOKE DETECTOR TO BE RETAINED/RELOCATED
- S EXISTING CEILING MOUNTED FIRE ALARM STROBE TO BE RETAINED/RELOCATED
- S EXISTING CEILING MOUNTED FIRE ALARM SPEAKER/STROBE TO BE RETAINED/RELOCATED
- EXISTING 2'x2' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- EXISTING 2'x4' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- COMPACT FLUORESCENT DOWNLIGHT TO BE DEMOLISHED
- X EXISTING EXIT SIGN TO BE RETAINED/RELOCATED
- WAP EXISTING WIRELESS ACCESS POINT TO BE RETAINED/RELOCATED

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H	06/18/26	BID SUBMISSION	
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REV	DATE	DESCRIPTION	CHECK APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405			
FACILITY BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING DEMOLITION PLAN – AREA "G"			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY
			MICHAEL ROSELLI
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:	
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #
CHECK: AC		F2024113–ED2.05	58 OF 110



C ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING DEMOLITION PLAN - AREA "C"
ED2.06 SCALE: 1/8" = 1'-0"
0 4' 8' 16'



- GENERAL NOTES:**
- REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
 - THE DEMOLITION OF THE EXISTING CEILING/DUCT/LIGHTING MUST BE PHASED IN CONJUNCTION WITH THE AHU REPLACEMENT.
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- KEYNOTES:**
- EXISTING CEILING IN THIS AREA IS BEING REPLACED WITH NEW. REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED WIRING BACK TO SOURCE PANEL IN ELECTRICAL ROOM E3-4 AS REQUIRED.
 - EXISTING CEILING TO BE TEMPORARILY REMOVED TO ACCOMMODATE NEW DUCTWORK AND EXISTING CEILING REINSTATED. EXISTING LIGHTING, LIGHTING CONTROLS, AND FIRE ALARM DEVICES TO BE REINSTATED. REFER TO ARCHITECTURE DRAWINGS FOR FURTHER DETAILS.
 - NEW GYPSUM CEILING TO BE PROVIDED. EXISTING LIGHTING TO BE REINSTATED. REFER TO ARCHITECTURE DRAWINGS FOR FURTHER DETAILS.

REFLECTED CEILING PLAN – SYMBOL LEGEND

- (SP) EXISTING SPEAKER TO BE RETAINED/RELOCATED
- (S) EXISTING SMOKE DETECTOR TO BE RETAINED/RELOCATED
- (S) EXISTING CEILING MOUNTED FIRE ALARM STROBE TO BE RETAINED/RELOCATED
- (S) EXISTING CEILING MOUNTED FIRE ALARM SPEAKER/STROBE TO BE RETAINED/RELOCATED
- [Symbol] EXISTING 2'x2' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- [Symbol] EXISTING 2'x4' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
- [Symbol] COMPACT FLUORESCENT DOWNLIGHT TO BE DEMOLISHED
- (X) EXISTING EXIT SIGN TO BE RETAINED/RELOCATED
- [WAP] EXISTING WIRELESS ACCESS POINT TO BE RETAINED/RELOCATED

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UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING
DEMOLITION PLAN – AREA "C"

REVIEWED BY

SUBMITTED BY

DATE

APPROVED BY

DATE

DESIGN: SM

ISSUED BY:

DATE: 09/06/2024 JCN:

APPROVAL (FINISHES)

DRAWN: DH

FACILITY SERVICES & ENGINEERING DIVISION

DRAWING NO.

SHEET #

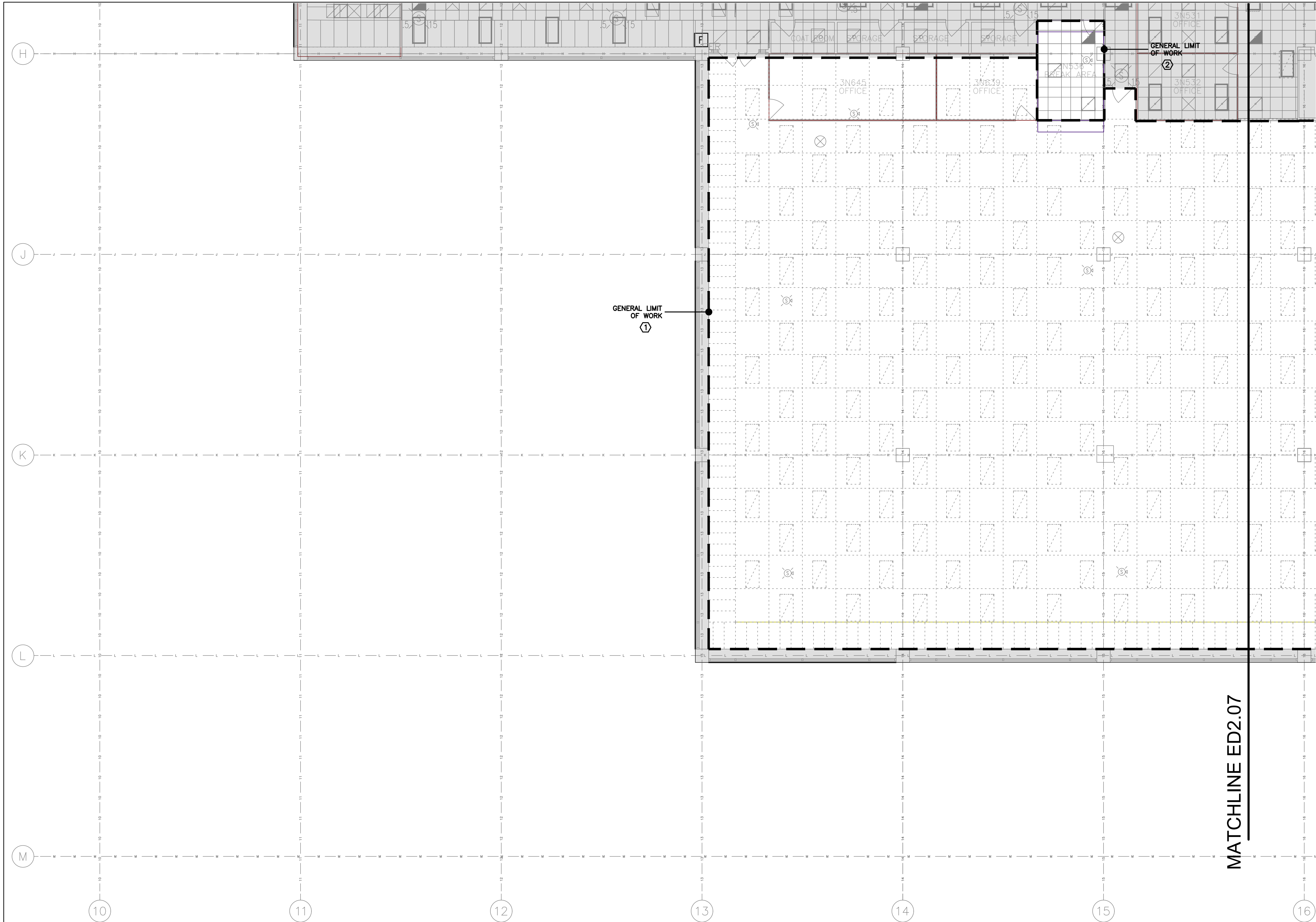
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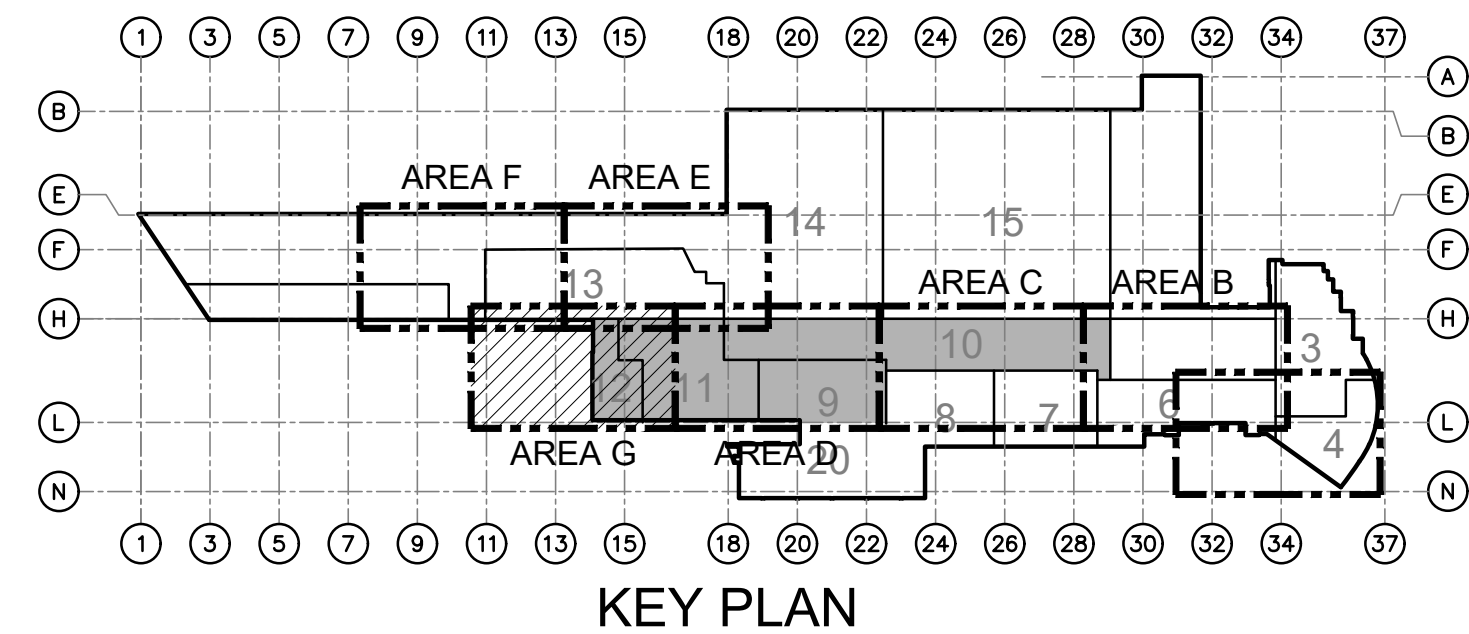
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UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
FACILITY BUILDING 300—HVAC UNITS 9,10,11&12 REPLACEMENT					
ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING DEMOLITION PLAN — AREA "D"					
REVIEWED BY		SUBMITTED BY		DATE	
				APPROVED BY	
				MICHAEL ROSELLI	
DESIGN: SM		ISSUED BY:		DATE: 09/06/2024 JCN:	
DRAWN: DH		FACILITY SERVICES & ENGINEERING DIVISION		DRAWING NO.	
CHECK: AC				F2024113—ED2.07	
APPROVAL (FINISHES)				SHEET #	
				60 OF 110	



G ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING DEMOLITION PLAN - AREA "G"
ED2.08 SCALE: 1/8" = 1'-0" 0 4' 8' 16'



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. THE DEMOLITION OF THE EXISTING CEILING/DUCT/LIGHTING MUST BE PHASED IN CONJUNCTION WITH THE AHU REPLACEMENT.
3. ALL EXISTING CEILING MOUNTED EXIT SIGNS, FIRE ALARM DEVICES, SOUND SYSTEM SPEAKERS, WIRELESS ACCESS POINTS, ELECTRICAL DEVICES, ETC. (BOTH SHOWN AND NOT SHOWN) LOCATED WITHIN THE 'GENERAL LIMIT OF WORK' AREA MUST BE RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CEILING SYSTEMS. VERIFY EXACT QUANTITY OF EXISTING DEVICES THAT MUST BE RELOCATED AND MAINTAINED IN FIELD.
4. ALL EXISTING LIGHTING CONTROLS (SWITCHES, OCCUPANCY SENSORS, ETC.) NO LONGER REQUIRED DUE TO NEW CONSTRUCTION MUST BE COMPLETELY REMOVED. VERIFY EXACT QUANTITY OF EXISTING LIGHTING CONTROLS THAT MUST BE REMOVED IN FIELD.

KEYNOTES:

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- ② EXISTING CEILING TO BE TEMPORARILY REMOVED TO ACCOMMODATE NEW DUCTWORK AND EXISTING CEILING REINSTATED. EXISTING LIGHTING, LIGHTING CONTROLS, AND FIRE ALARM DEVICES TO BE REINSTATED. REFER TO ARCHITECTURE DRAWINGS FOR FURTHER DETAILS.

REFLECTED CEILING PLAN – SYMBOL LEGEND

- (SP) EXISTING SPEAKER TO BE RETAINED/RELOCATED
- (S) EXISTING SMOKE DETECTOR TO BE RETAINED/RELOCATED
- (S) EXISTING CEILING MOUNTED FIRE ALARM STROBE TO BE RETAINED/RELOCATED
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- [] EXISTING 2'x2' LAY-IN LIGHT FIXTURE TO BE DEMOLISHED
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- (X) EXISTING EXIT SIGN TO BE RETAINED/RELOCATED
- [WAP] EXISTING WIRELESS ACCESS POINT TO BE RETAINED/RELOCATED

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ARCHITECT/ENGINEER #:

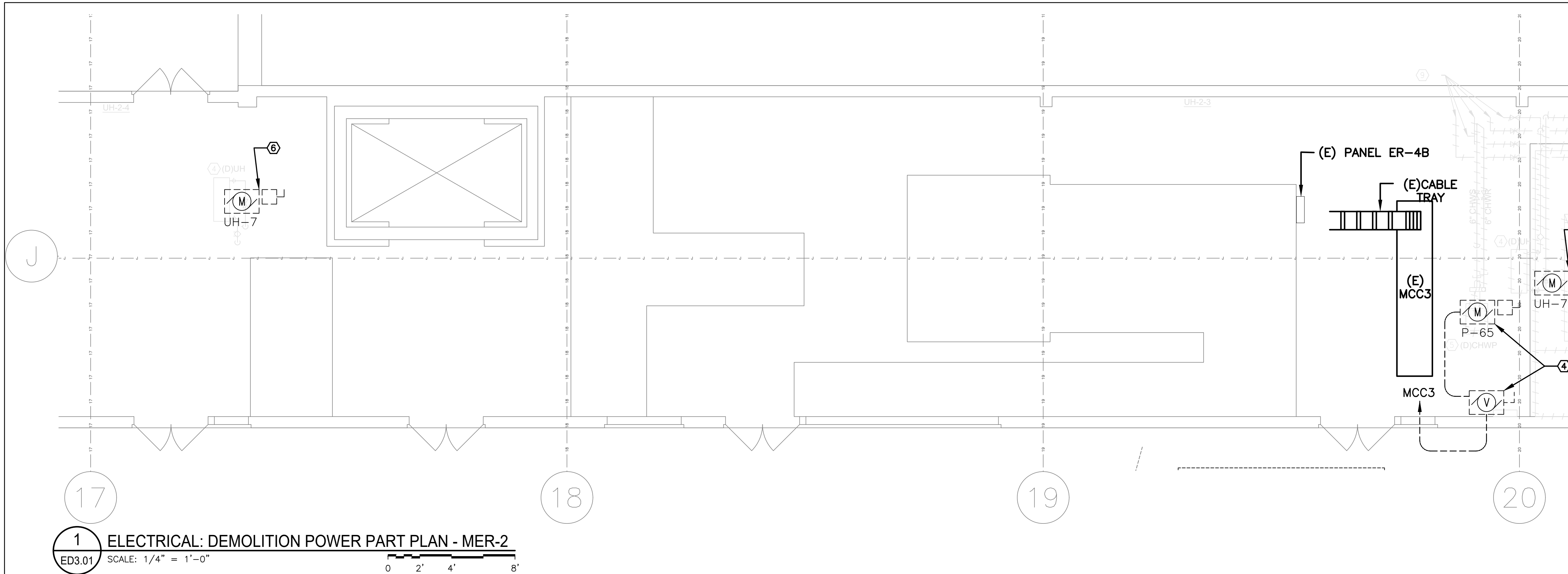
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G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
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D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
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REV	DATE	DESCRIPTION	CHECK	APPR'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING
DEMOLITION PLAN – AREA "G"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #	
CHECK: AC		F2024113–ED2.08	61 OF 110	

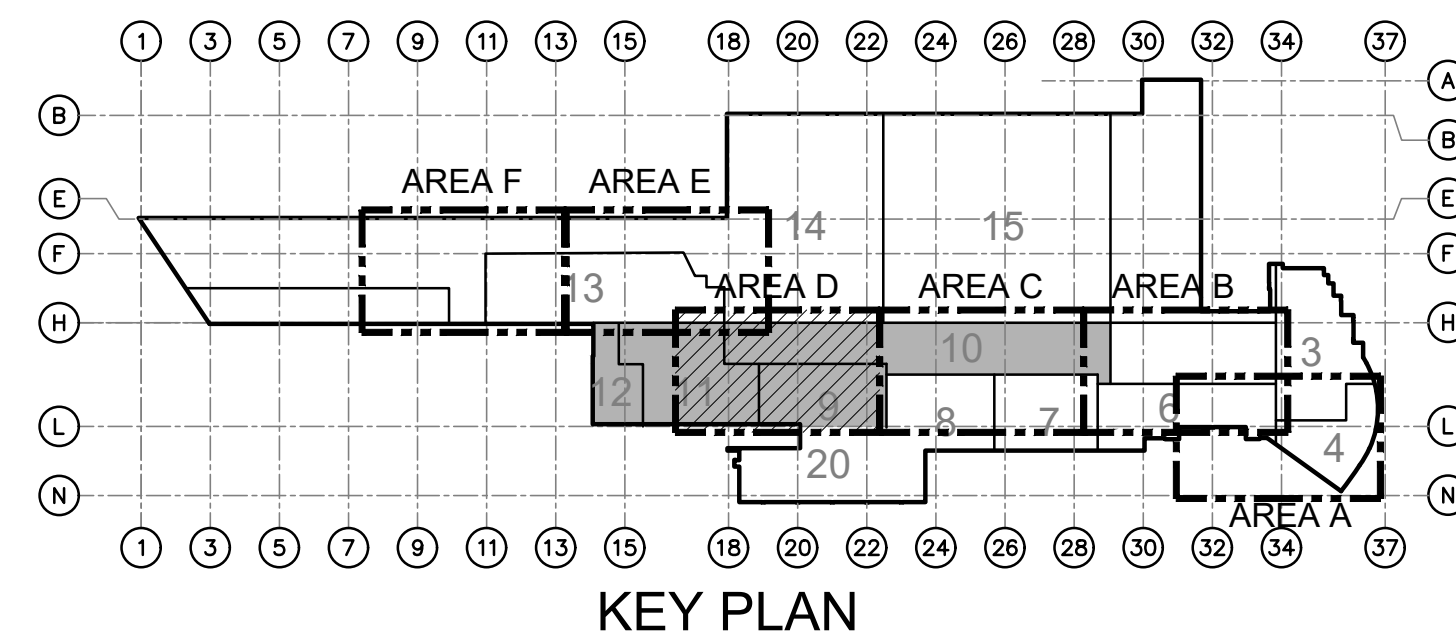
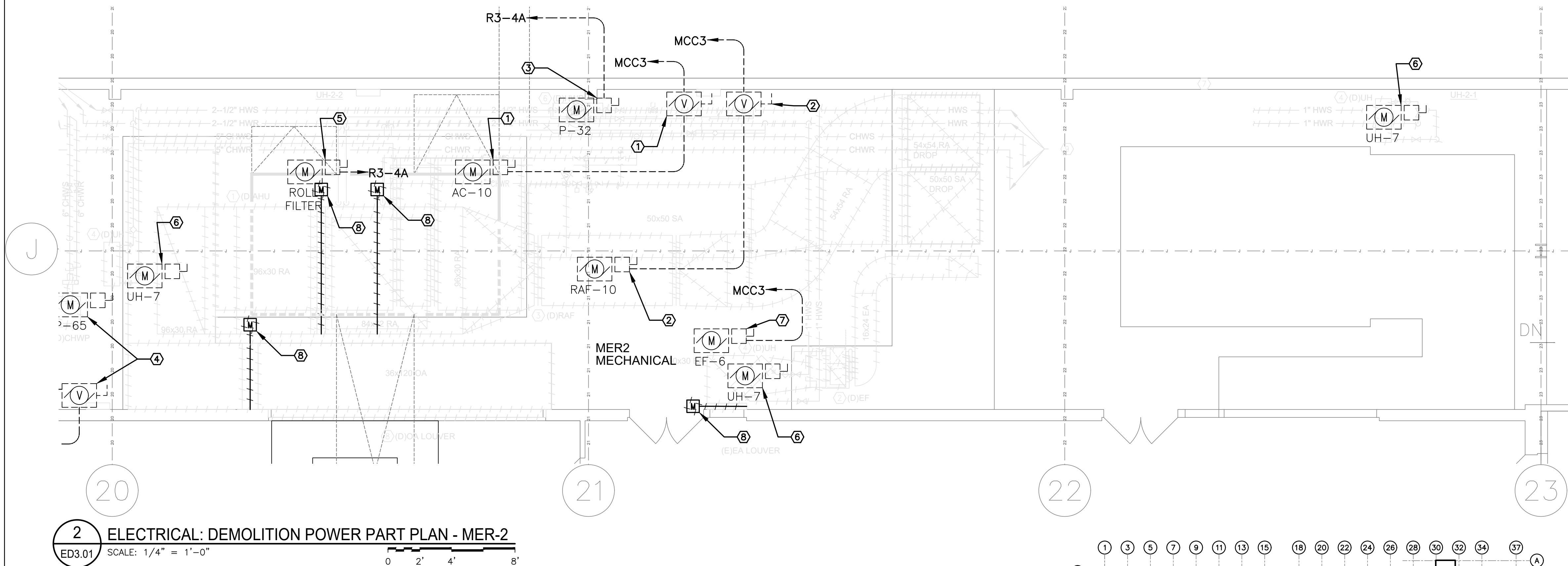


GENERAL NOTES:

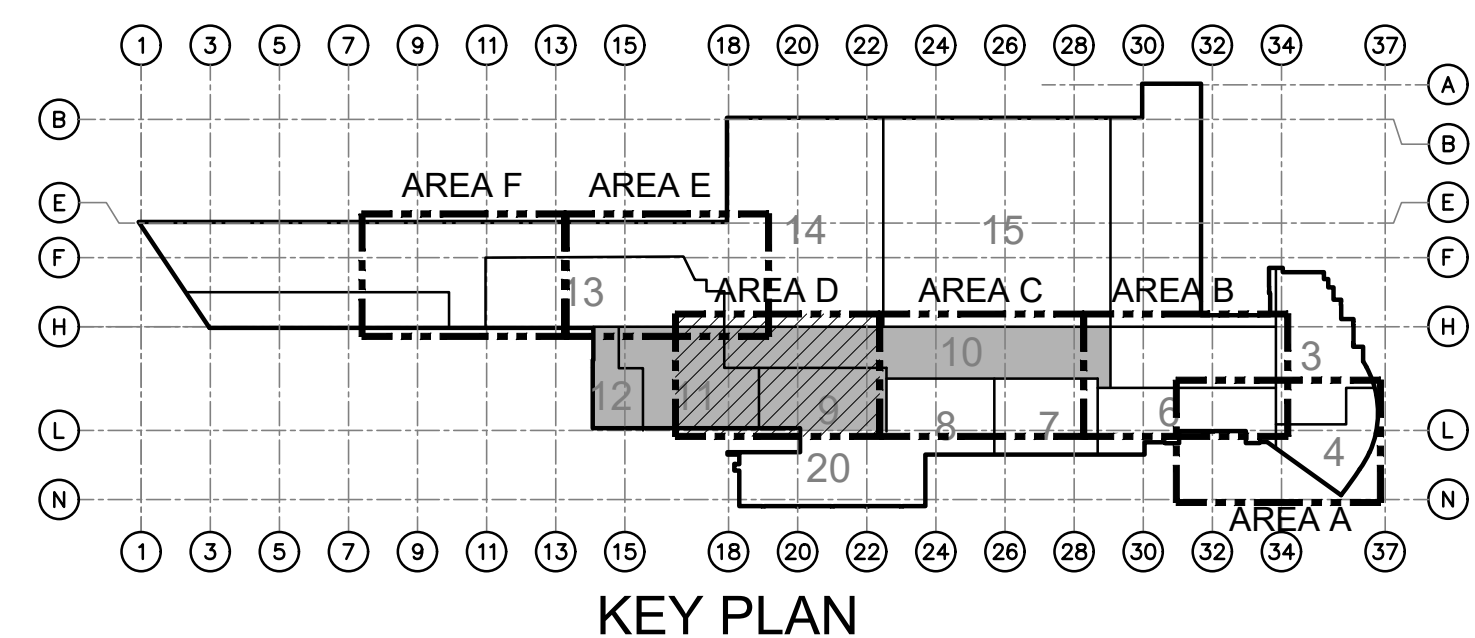
1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. LIGHTING FIXTURES OBSTRUCTING DEMOLITION WORK MUST BE REMOVED AND REPLACED AFTER NEW WORK IS COMPLETED OR RELOCATED TO A NEW MOUNTING HEIGHT SO NO INTERFERENCE IS ENCOUNTERED WHILE DEMOLISHING EQUIPMENT. IF FIXTURES ARE REMOVED, IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THE FIXTURES ARE STORED IN A SAFE PLACE SO NO DAMAGE IS DONE AND TO PROVIDE TEMPORARY LIGHTING.
3. CONDUIT FEEDING EQUIPMENT SUCH AS UNIT HEATERS, LIGHT FIXTURES, AND EXHAUST FANS MAY HAVE SECTIONS ATTACHED TO DUCTWORK AND CAUSE INTERFERENCE WITH DEMOLITION WORK. THIS CONDUIT MUST BE RE-LOCATED SO THE EQUIPMENT CAN STAY IN SERVICE DURING THE DEMOLITION PERIOD AND NOT CAUSE INTERFERENCE WHEN THE NEW WORK IS INSTALLED. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR PLACEMENT OF THIS CONDUIT TO AVOID FUTURE INTERFERENCE.
4. PANEL R3-4A IS LOCATED ON SHEET E1.06.

KEYNOTES:

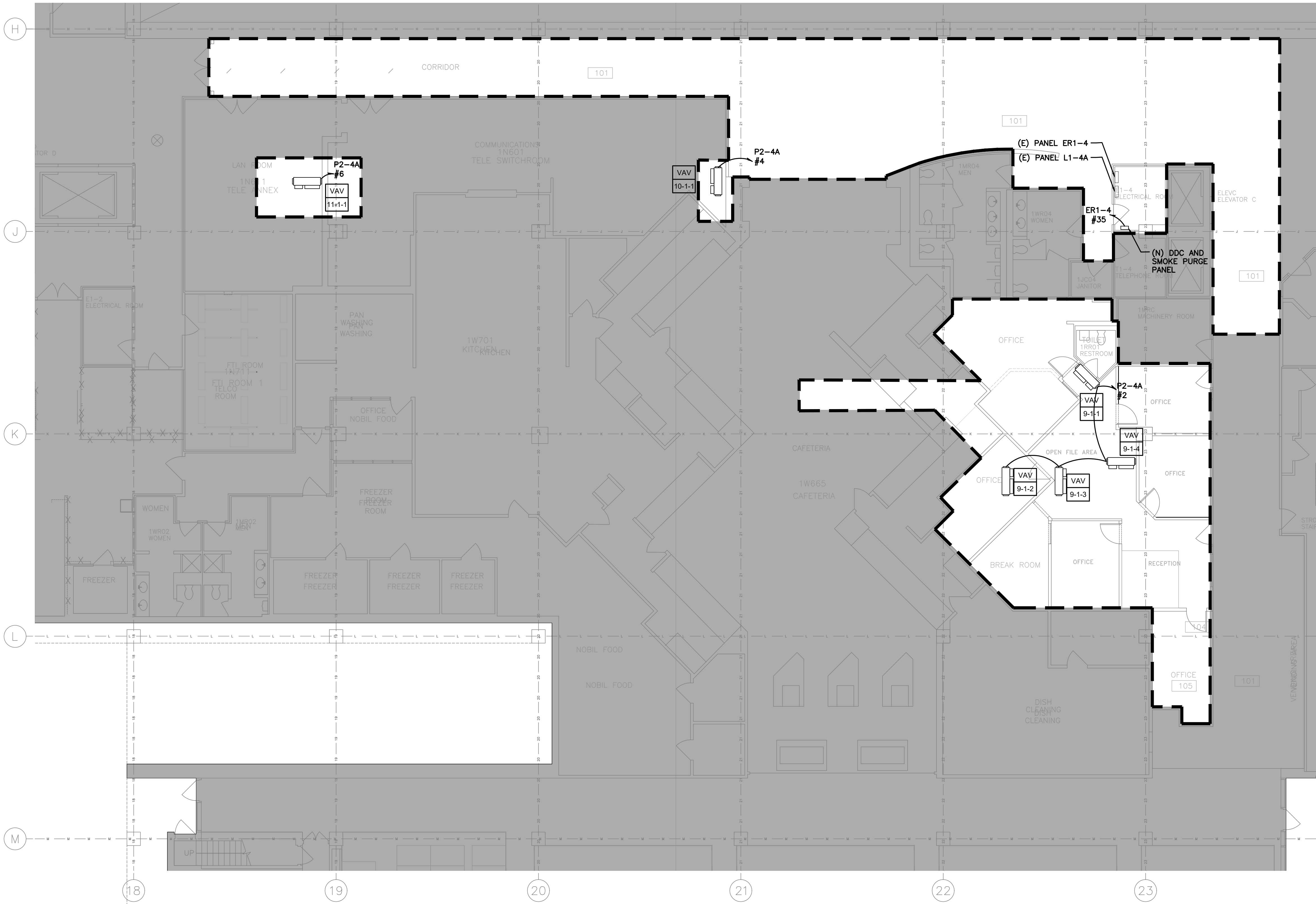
- ① EXISTING AHU 10 SUPPLY FAN AND ASSOCIATED VFD IS BEING REPLACED WITH NEW, DEMOLISH EXISTING WIRE AND CONDUIT BACK TO MCC3 INCLUDING THE ASSOCIATED MOTOR CONTROL CENTER BUCKETS.
- ② EXISTING AHU 10 RETURN FAN AND ASSOCIATED VFD IS BEING REPLACED WITH NEW, DEMOLISH EXISTING WIRE AND CONDUIT BACK TO MCC3 INCLUDING THE ASSOCIATED MOTOR CONTROL CENTER BUCKETS.
- ③ EXISTING HOT WATER CIRCULATING PUMP IS BEING REPLACED WITH NEW. DISCONNECT CIRCUIT BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY SOURCE OF SUPPLY.
- ④ EXISTING CHILLED WATER CIRCULATING PUMP IS BEING REPLACED WITH NEW. DISCONNECT CIRCUIT AND SAFE-OFF TO SERVE NEW PUMP IN SAME LOCATION.
- ⑤ DEMOLISH EXISTING DISCONNECT SWITCH, WIRE AND CONDUIT FOR ROLL FILTER BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY SOURCE OF SUPPLY.
- ⑥ DEMOLISH EXISTING DISCONNECT SWITCH, WIRE AND CONDUIT FOR UNIT HEATER BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY SOURCE OF SUPPLY.
- ⑦ EXISTING EF-6 IS BEING REPLACED WITH NEW, DEMOLISH EXISTING WIRE AND CONDUIT BACK TO MCC3 INCLUDING THE ASSOCIATED MOTOR CONTROL CENTER BUCKET INCLUDING STARTER.
- ⑧ DEMOLISH EXISTING DISCONNECT SWITCH, WIRE AND CONDUIT FOR MOTORIZED DAMPER BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY SOURCE OF SUPPLY.



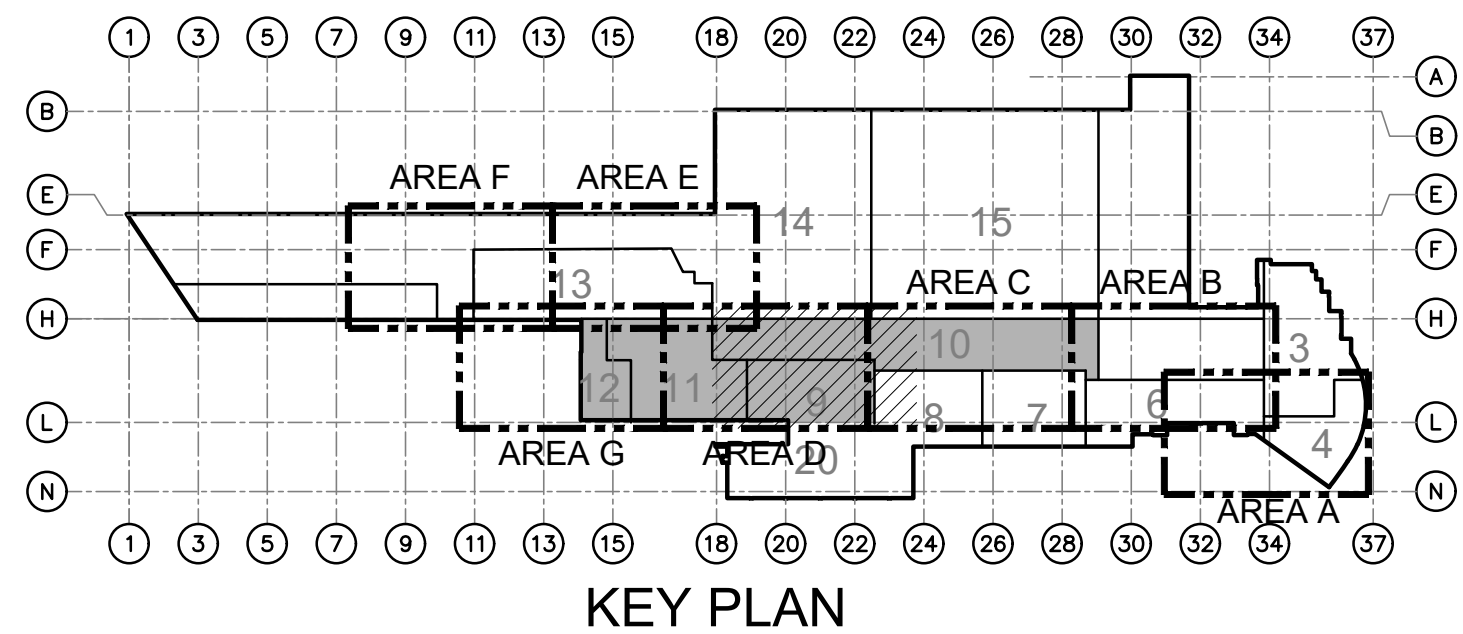
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UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405			
FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: DEMOLITION POWER PART PLAN - MER-2			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY
			MICHAEL ROSELLI
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:	
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO. F2024113-ED3.01	
CHECK: AC		SHEET # 62 OF 110	



				STAMP			
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G	05/22/26	FINAL SUBMISSION					
F	09/16/25	AFTER BID SUBMISSION					
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REV	DATE	DESCRIPTION				CHECK	APRVD
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405							
FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT							
ELECTRICAL: DEMOLITION LIGHTING PART PLAN – MER-2							
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY		DATE
					MICHAEL ROSELLI		
DESIGN: SM		ISSUED BY:		DATE: 09/06/2024 JCN:			
DRAWN: DH		FACILITY SERVICES & ENGINEERING DIVISION		DRAWING NO. F2024113-ED4.01			
CHECK: AC				SHEET # 63 OF 110			
APPROVAL (FINISHES)							



D ELECTRICAL: PARTIAL FIRST FLOOR POWER PLAN - AREA "D"
E1.01 SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
- VAVS TO BE PROVIDED WITH INTEGRAL DISCONNECTS BY MECHANICAL CONTRACTOR.
- FOR VAV CABLE SIZING REFER TO PANELBOARD SCHEDULES. PROVIDE 3/4" UON.
- PANEL ER1-4 HAS ONE (1) SPACE. NEW DDC AND SMOKE PURGE PANELS TO BE CONNECTED TO A NEW 20A-1P CIRCUIT BREAKER INSTALLED IN PANEL ER1-4, #35 VIA 2#12 + 1#12G IN 3/4". TOTAL LOAD ON CIRCUIT WILL BE 1.5KW.
- PANEL P2-4A IS LOCATED ON SHEET E1.03

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B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APRV'D

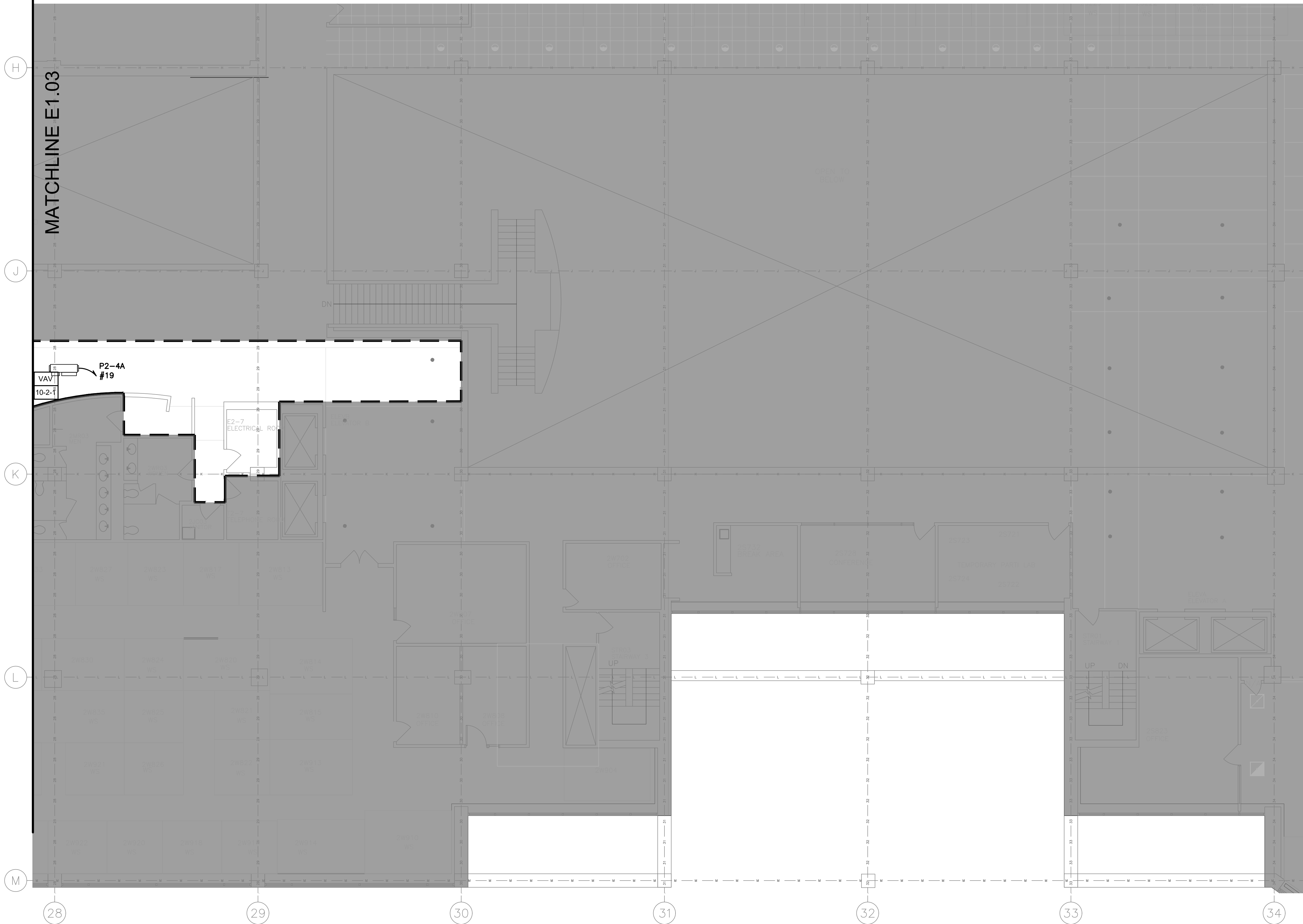
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

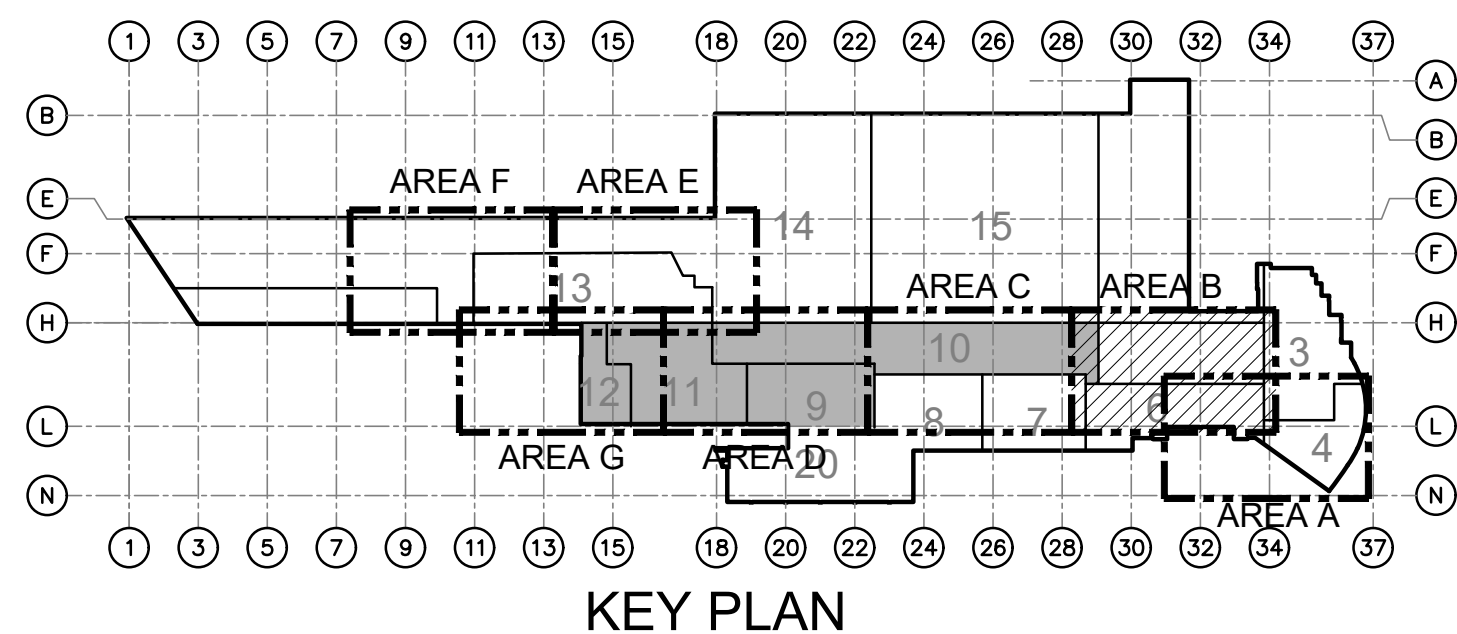
ELECTRICAL: PARTIAL FIRST FLOOR POWER
PLAN - AREA "D"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.		
CHECK: AC	ENGINEERING DIVISION	F2024113-E1.01	SHEET #	

64 OF 110



B ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN - AREA "B"
E1.02 SCALE: 1/8" = 1'-0"
0 4' 8' 16'



- GENERAL NOTES:**
- REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
 - VAVS TO BE PROVIDED WITH INTEGRAL DISCONNECTS BY MECHANICAL CONTRACTOR.
 - FOR VAV CABLE SIZING REFER TO PANELBOARD SCHEDULES. PROVIDE 3/4" C UON.
 - PANEL P2-4A IS LOCATED ON SHEET E1.03.

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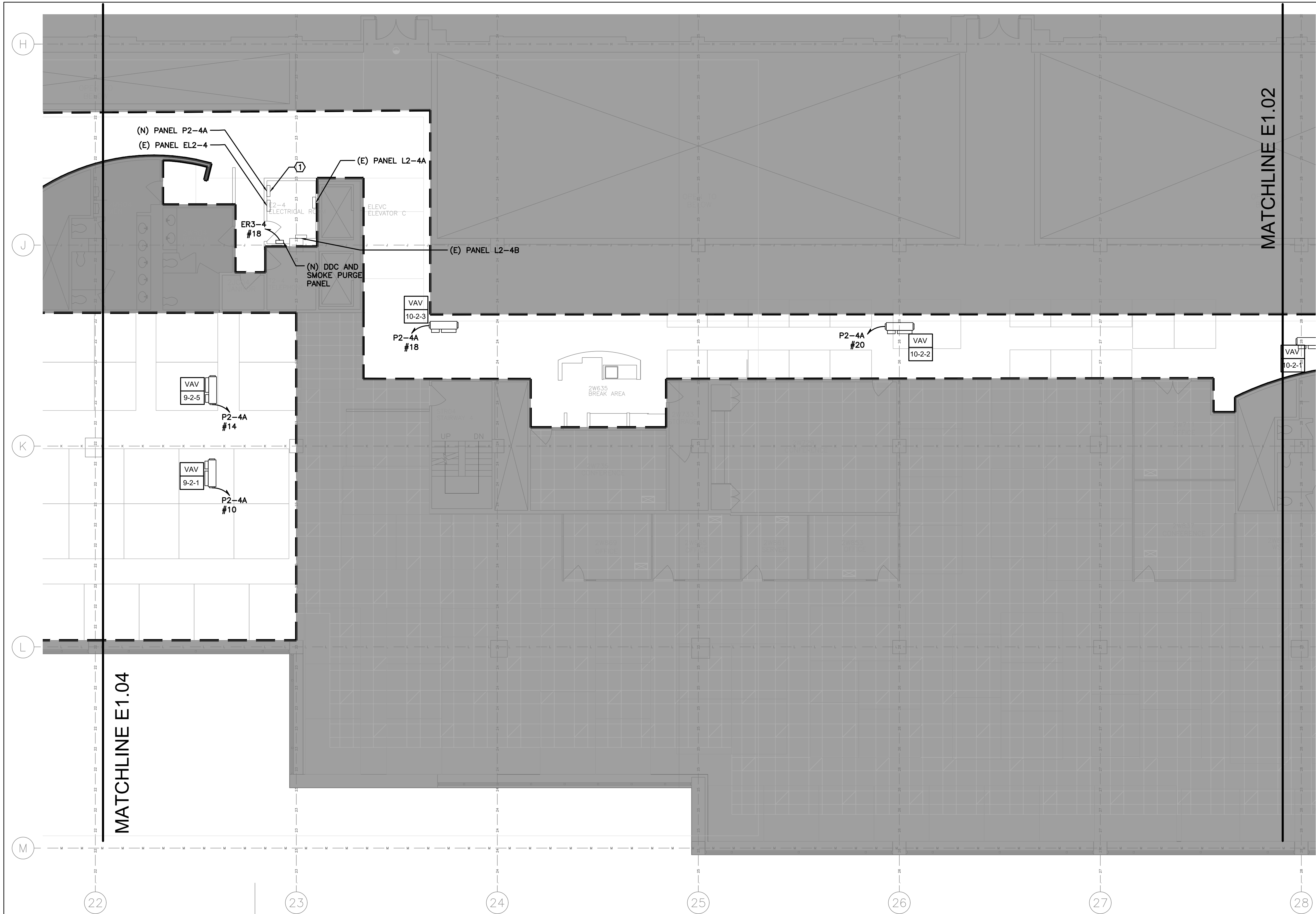
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C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APPR'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

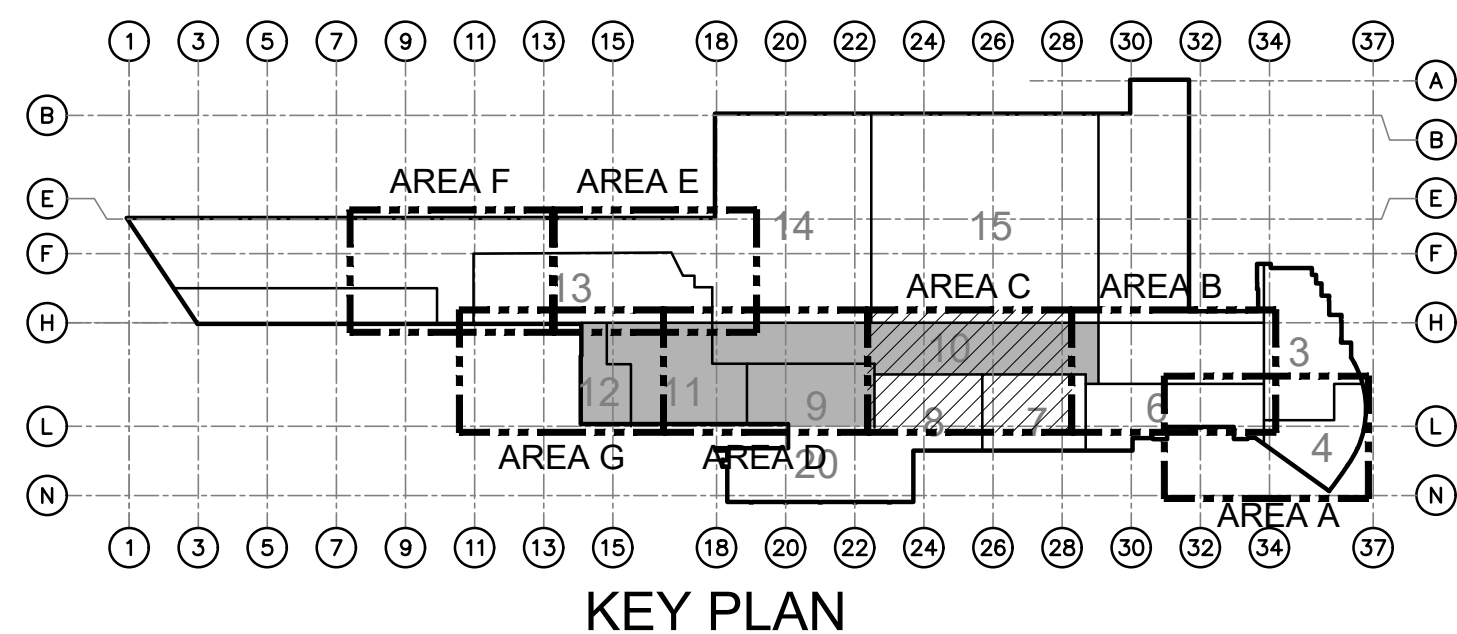
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL SECOND FLOOR POWER
PLAN - AREA "B"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #	
CHECK: AC		F2024113-E1.02	65 OF 110	



C
E1.03 ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN - AREA "C"
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. VAVS TO BE PROVIDED WITH INTEGRAL DISCONNECTS BY MECHANICAL CONTRACTOR.
3. FOR VAV CABLE SIZING REFER TO PANELBOARD SCHEDULES. PROVIDE 3/4" C UON.
4. PANEL ER3-4 IS LOCATED ON SHEET E1.06
5. PANEL ER3-4 HAS THIRTEEN (13) SPACES. NEW DDC AND SMOKE PURGE PANELS TO BE CONNECTED TO A NEW 20A-1P CIRCUIT BREAKER INSTALLED IN PANEL ER3-4, #18 VIA 2#12 + 1#12G IN 3/4" C. TOTAL LOAD ON CIRCUIT WILL BE 1.5KW.

KEYNOTES:

- ① PROVIDE NEW 30 POLE 200A MLO PANEL P2-4A LOCATED IN ELECTRICAL ROOM 2-4. THE EXISTING DIGITIZER IN THIS LOCATION TO BE RELOCATED TO THE AREA BEHIND THE DOOR. CONTRACTOR MUST RECONFIGURE EXISTING WIRING FOR DIGITIZER TO SUPPORT THE RELOCATION.

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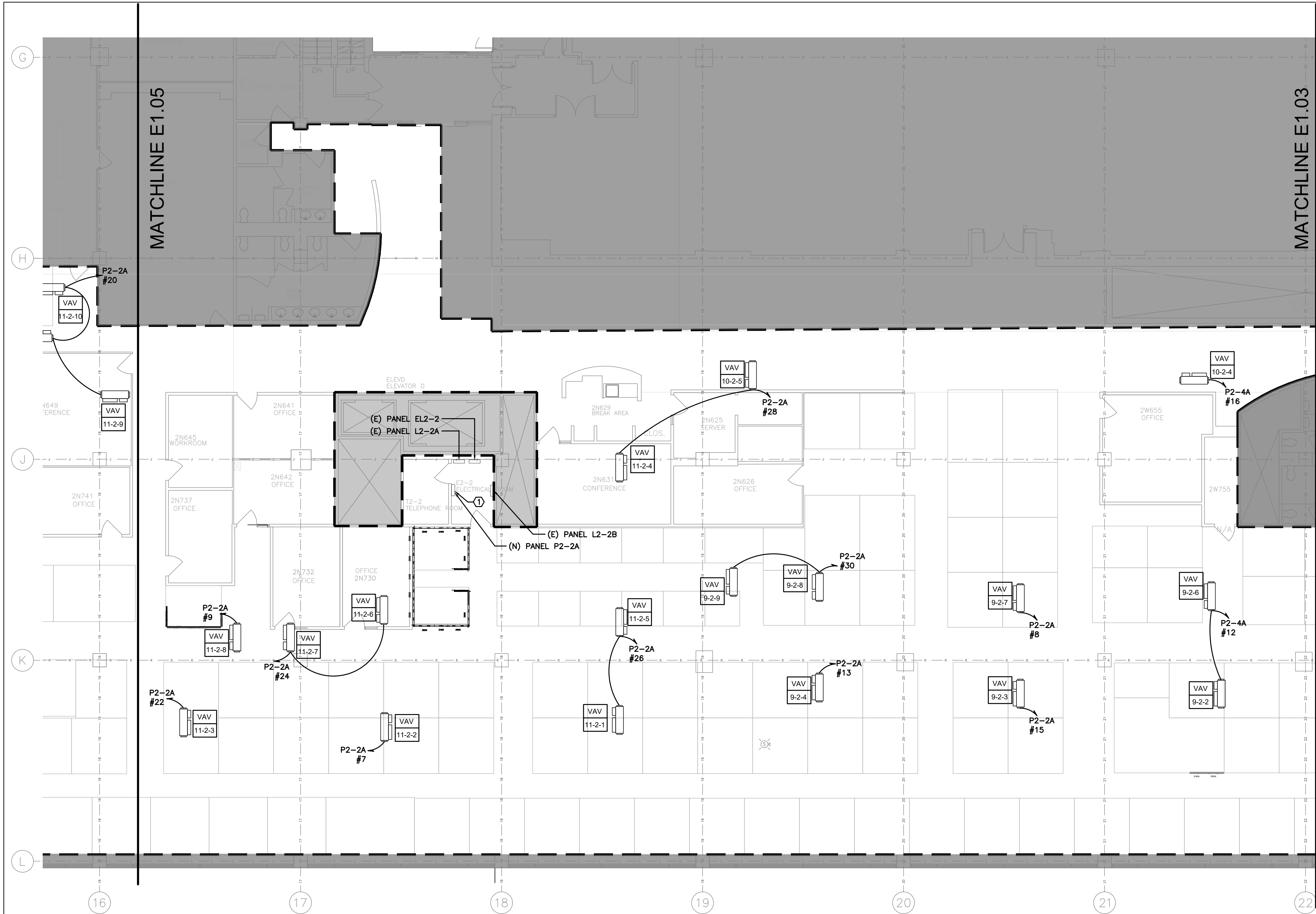
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E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APRV'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL SECOND FLOOR POWER
PLAN - AREA "C"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO. F2024113-E1.03	SHEET #	
CHECK: AC			66 OF 110	



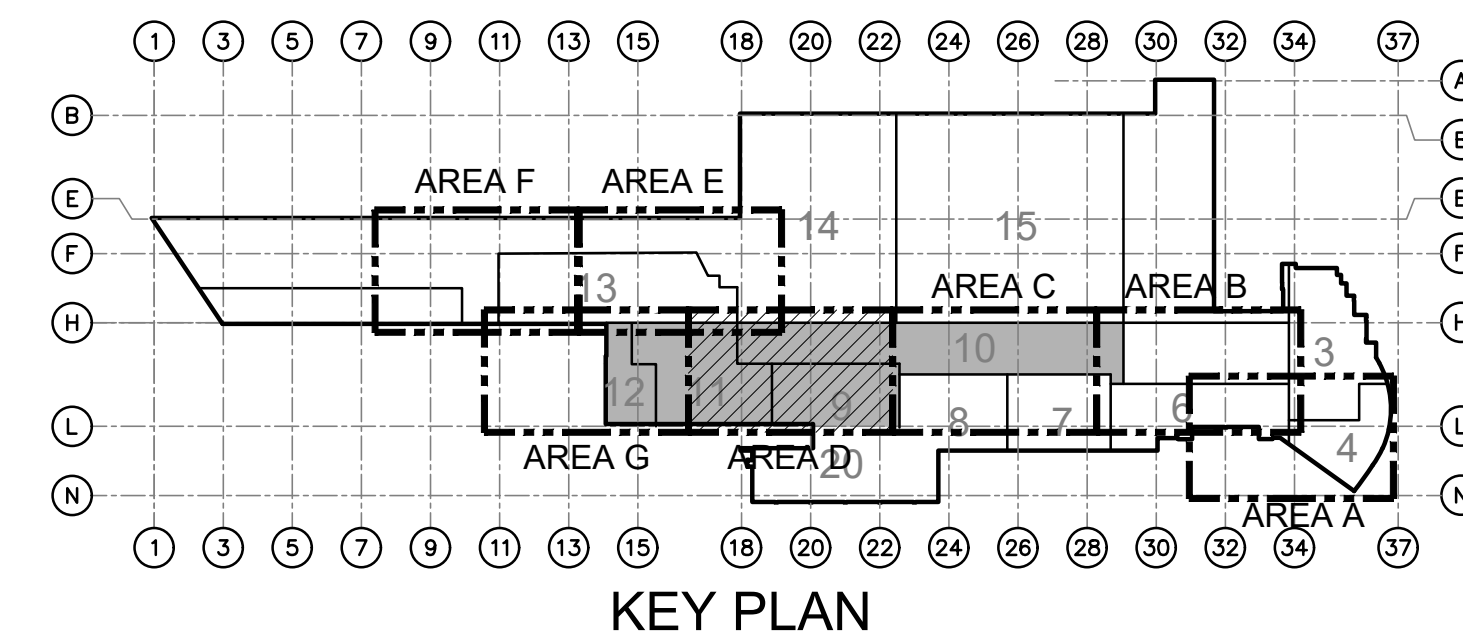
GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. VAVS TO BE PROVIDED WITH INTEGRAL DISCONNECTS BY MECHANICAL CONTRACTOR.
3. FOR VAV CABLE SIZING REFER TO PANELBOARD SCHEDULES. PROVIDE 3/4" C UON.
4. PANEL P2-4A IS LOCATED ON SHEET E1.03.

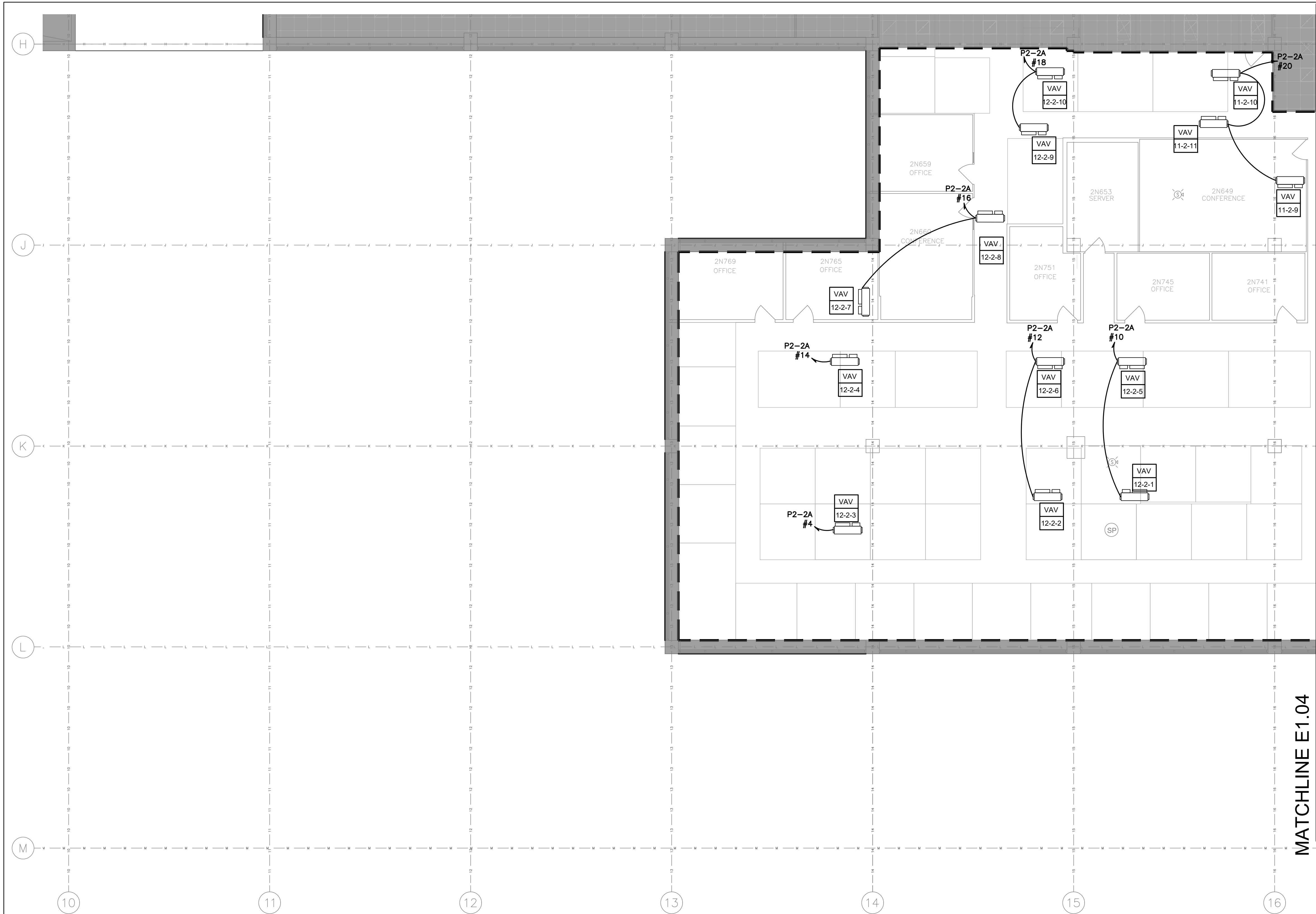
KEYNOTES:

- ① PROVIDE NEW 42 POLE 200A MLO PANEL P2-2A LOCATED IN ELECTRICAL ROOM 2-2. THE EXISTING DIGITIZER IN THIS LOCATION TO BE RELOCATED TO THE AREA BEHIND THE DOOR. CONTRACTOR MUST RECONFIGURE EXISTING WIRING FOR DIGITIZER TO SUPPORT THE RELOCATION.

D ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN - AREA "D"
E1.04 SCALE: 1/8" = 1'-0"
0 4' 8' 16'



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UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405			
FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN - AREA "D"			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY
			MICHAEL ROSELLI
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:	
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.	SHEET #
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GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. VAVS TO BE PROVIDED WITH INTEGRAL DISCONNECTS BY MECHANICAL CONTRACTOR.
3. FOR VAV CABLE SIZING REFER TO PANELBOARD SCHEDULES. PROVIDE 3/4" C UON.
4. PANEL P2-2A IS LOCATED ON SHEET E1.04.

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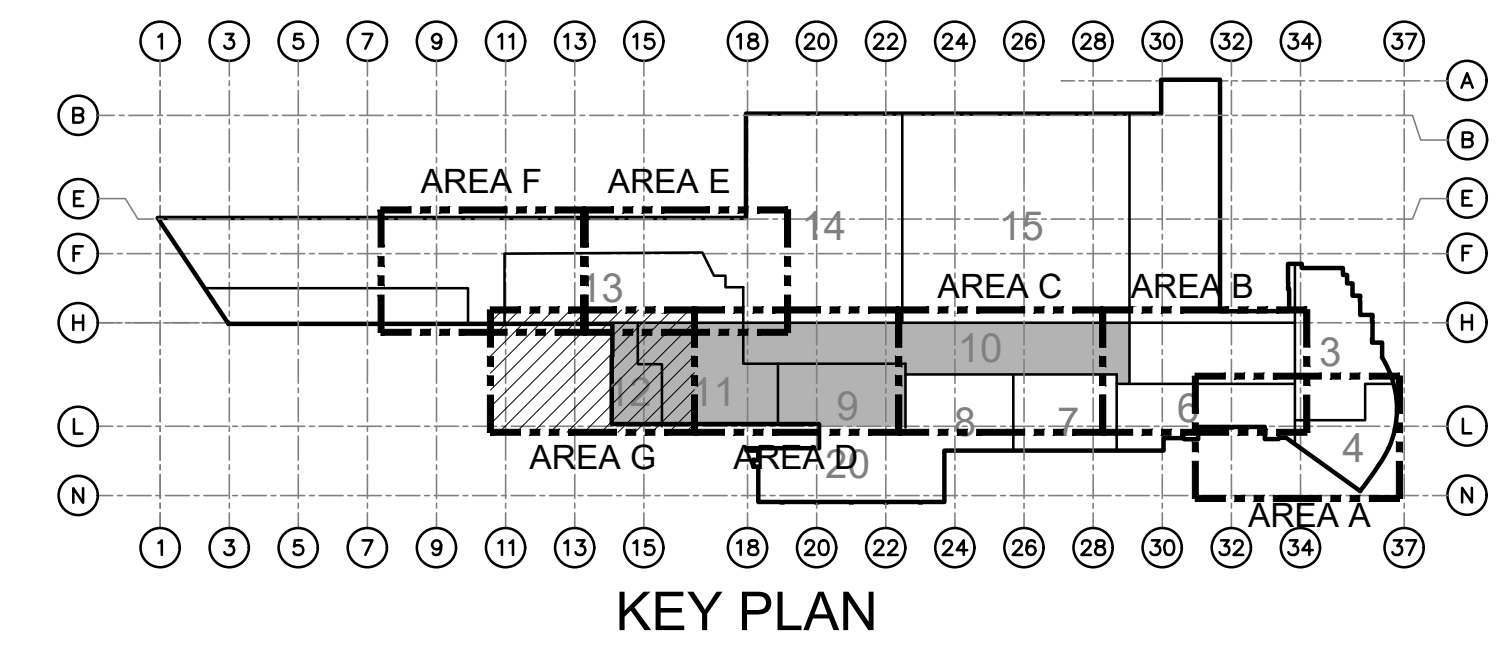
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E	07/16/25	REVISED BID SET SUBMISSION		
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A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APPR'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

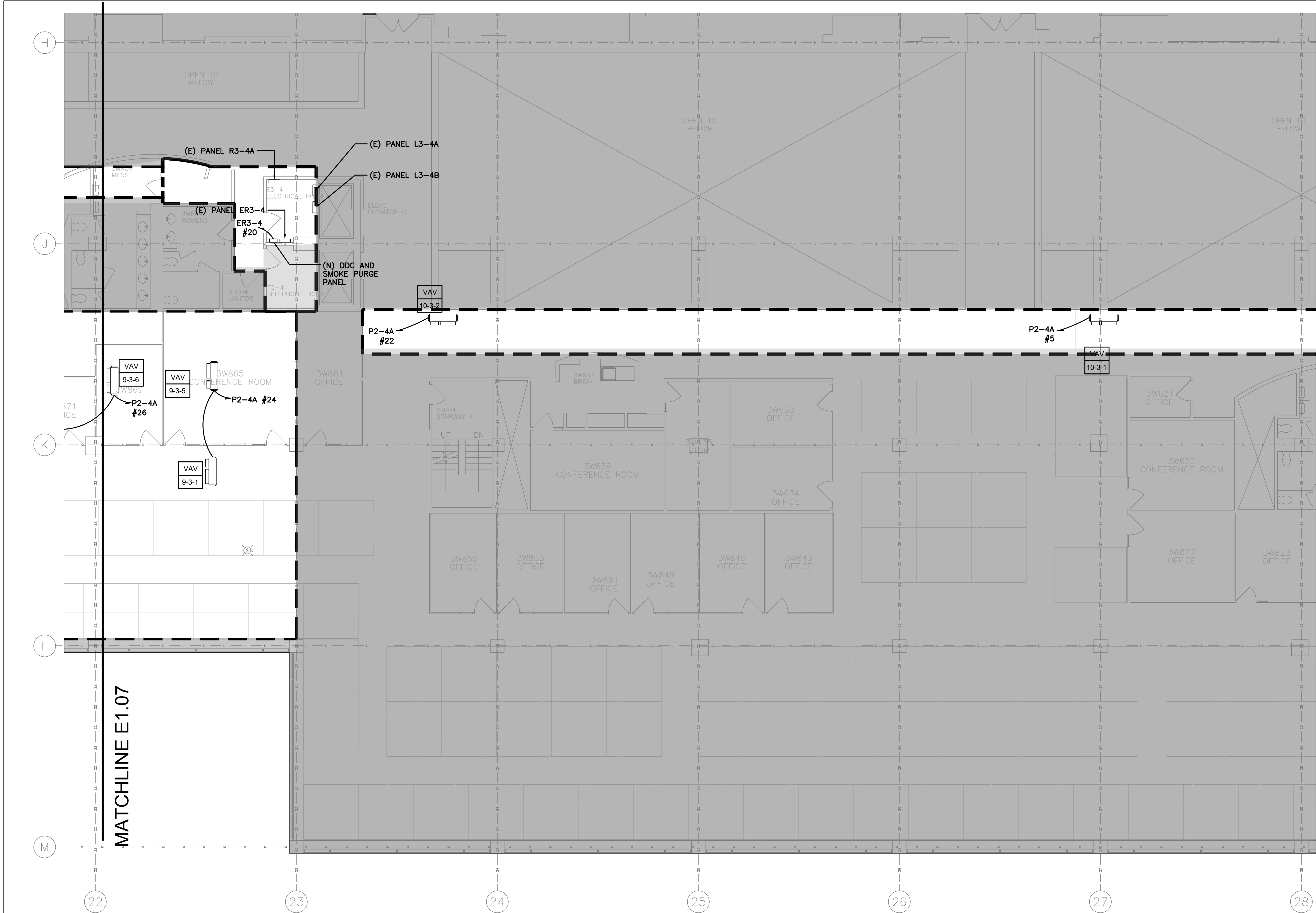
FACILITY
BUILDING 300—HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL SECOND FLOOR POWER
PLAN — AREA "G"

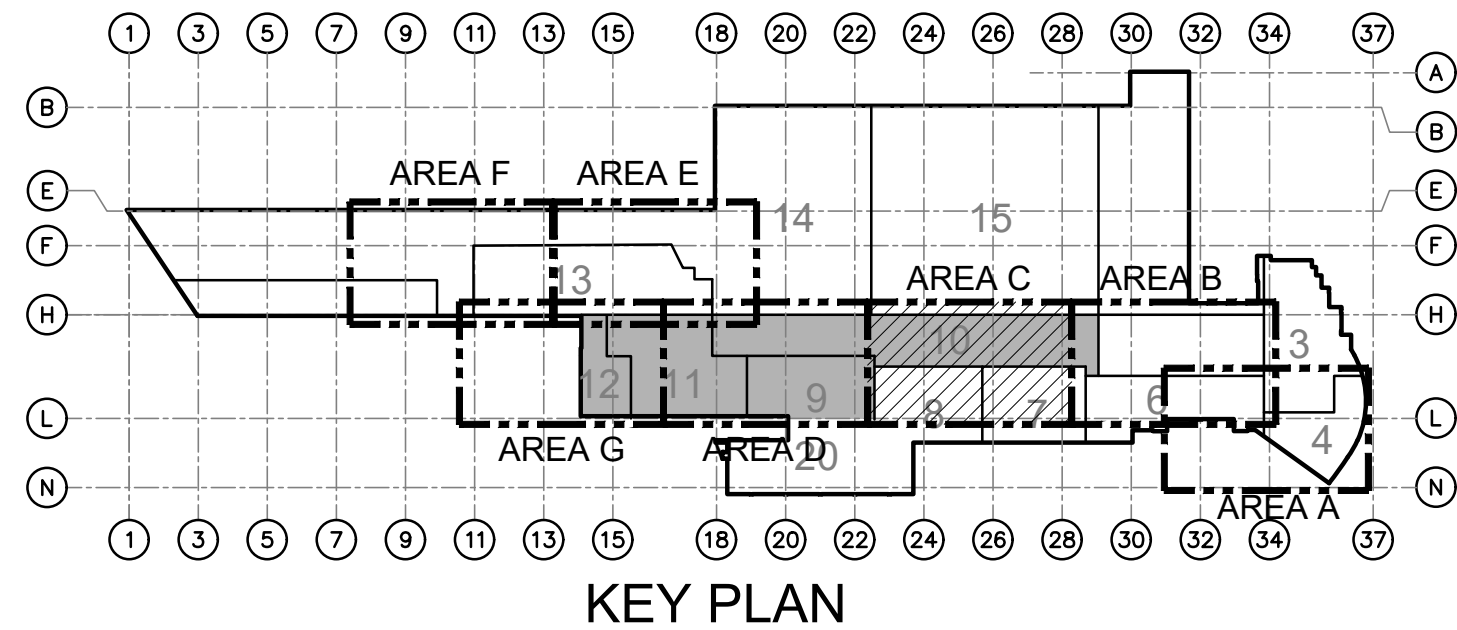
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.	SHEET #	
CHECK: AC	ENGINEERING DIVISION	F2024113—E1.05	68 OF 110	



G ELECTRICAL: PARTIAL SECOND FLOOR POWER PLAN - AREA "G"
E1.05 SCALE: 1/8" = 1'-0"
0 4' 8' 16'



C ELECTRICAL: PARTIAL THIRD FLOOR POWER PLAN - AREA "C"
E1.06 SCALE: 1/8" = 1'-0"
0 4' 8' 16'



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. VAVS TO BE PROVIDED WITH INTEGRAL DISCONNECTS BY MECHANICAL CONTRACTOR.
3. FOR VAV CABLE SIZING REFER TO PANELBOARD SCHEDULES. PROVIDE 3/4" UON.
4. PANEL ER3-4 HAS THIRTEEN (13) SPACES. NEW DDC AND SMOKE PURGE PANELS TO BE CONNECTED TO A NEW 20A-1P CIRCUIT BREAKER INSTALLED IN PANEL ER3-4, #20 VIA 2#12 + 1#12G IN 3/4" C. TOTAL LOAD ON CIRCUIT WILL BE 1.5KW.
4. PANEL P2-4A IS LOCATED ON SHEET E1.03.

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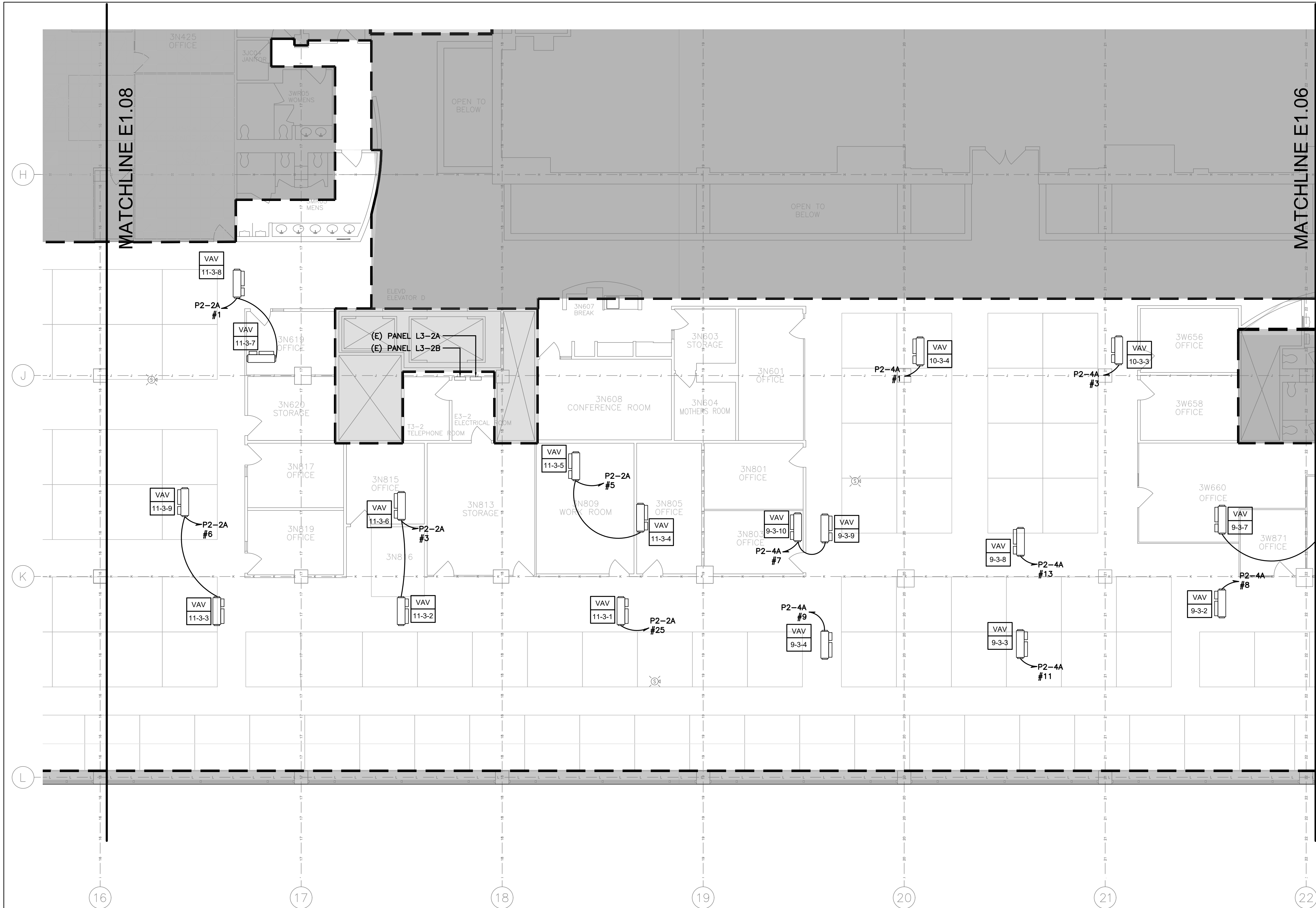
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FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL THIRD FLOOR POWER
PLAN - AREA "C"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.		
CHECK: AC	ENGINEERING DIVISION	F2024113-E1.06	SHEET #	
			69	OF 110



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. VAVS TO BE PROVIDED WITH INTEGRAL DISCONNECTS BY MECHANICAL CONTRACTOR.
3. FOR VAV CABLE SIZING REFER TO PANELBOARD SCHEDULES. PROVIDE 3/4" C UON.
4. PANEL P2-4A IS LOCATED ON SHEET E1.03.
5. PANEL P2-2A IS LOCATED ON SHEET E1.04.

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G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APPRV'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

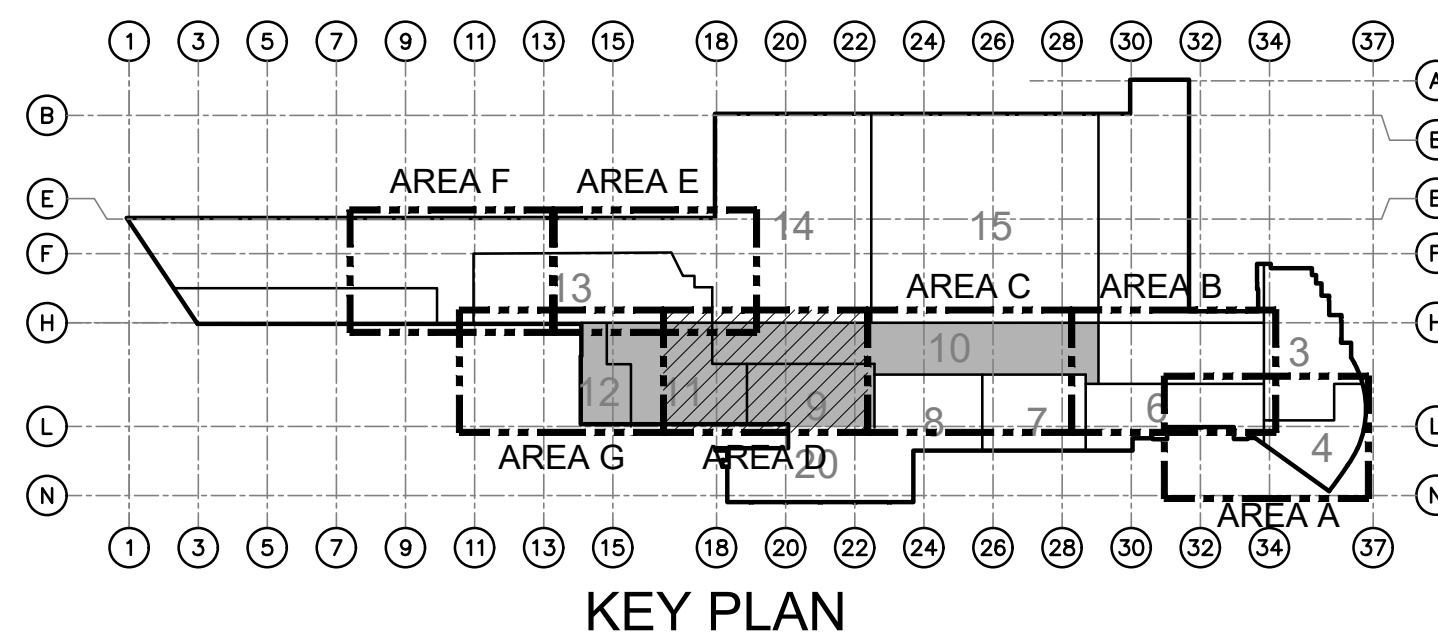
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

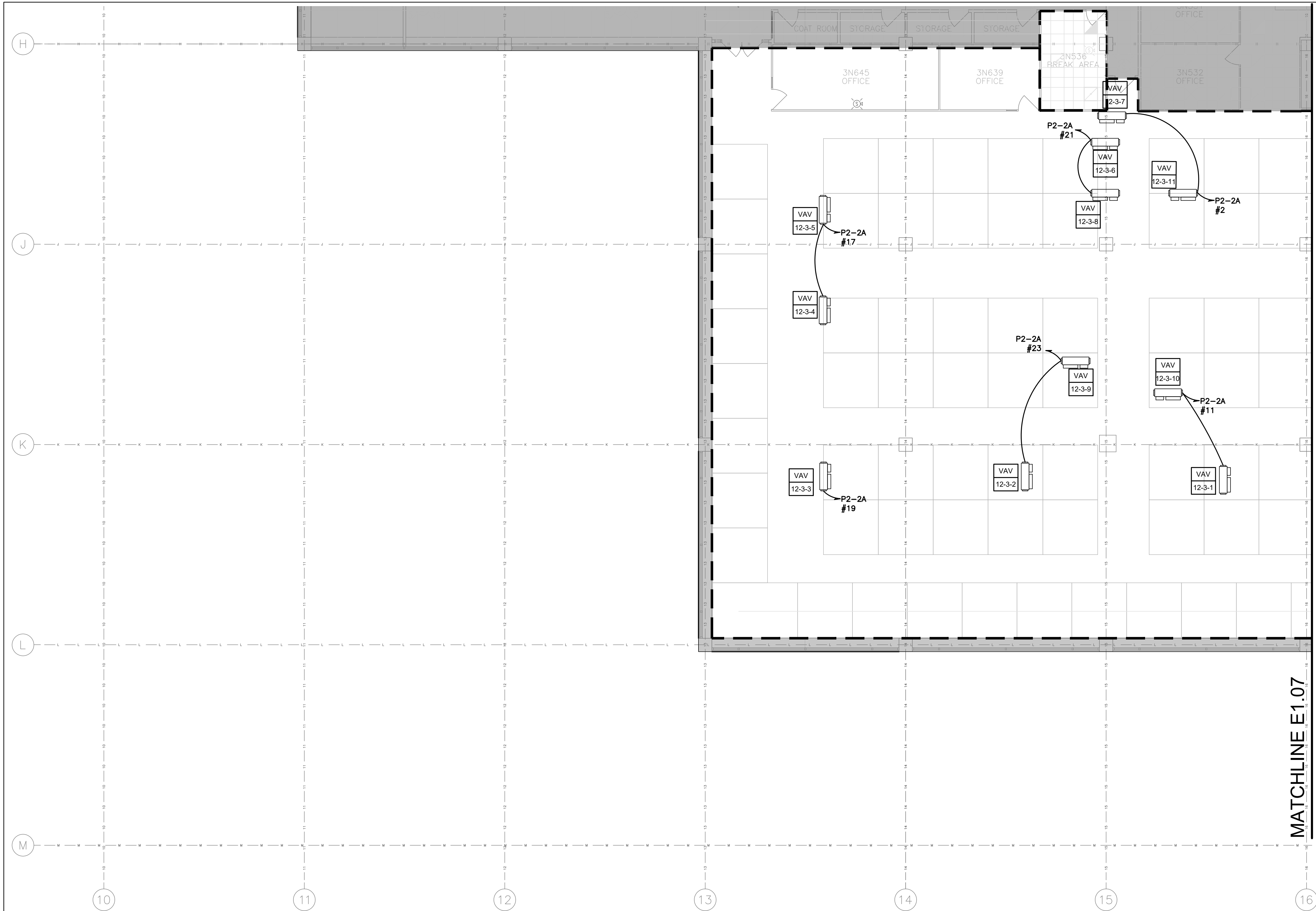
ELECTRICAL: PARTIAL THIRD FLOOR POWER
PLAN - AREA "D"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

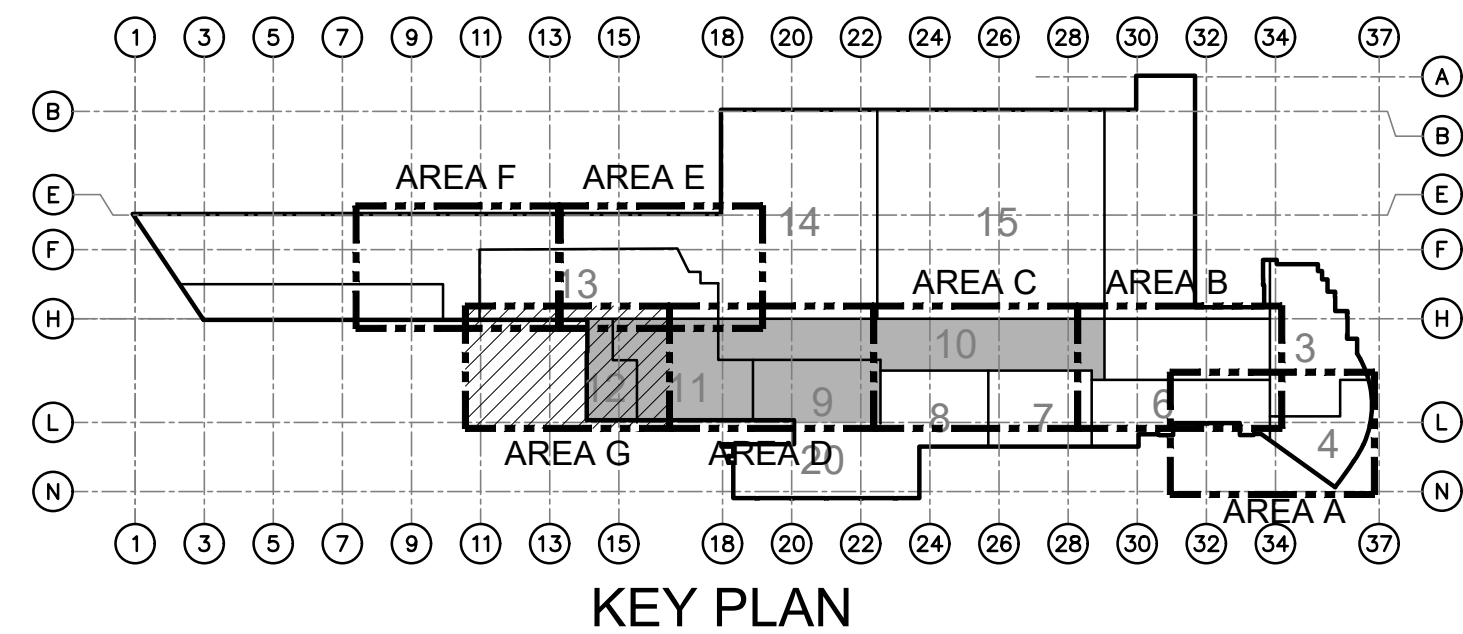
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DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO. F2024113-E1.07	SHEET #
CHECK: AC			70 OF 110

D ELECTRICAL: PARTIAL THIRD FLOOR POWER PLAN - AREA "D"
E1.07 SCALE: 1/8" = 1'-0"





G
E1.08 ELECTRICAL: PARTIAL THIRD FLOOR POWER PLAN - AREA "G"
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. VAVS TO BE PROVIDED WITH INTEGRAL DISCONNECTS BY MECHANICAL CONTRACTOR.
3. FOR VAV CABLE SIZING REFER TO PANELBOARD SCHEDULES. PROVIDE 3/4"C UON.
4. PANEL P2-2A IS LOCATED ON SHEET E1.04.

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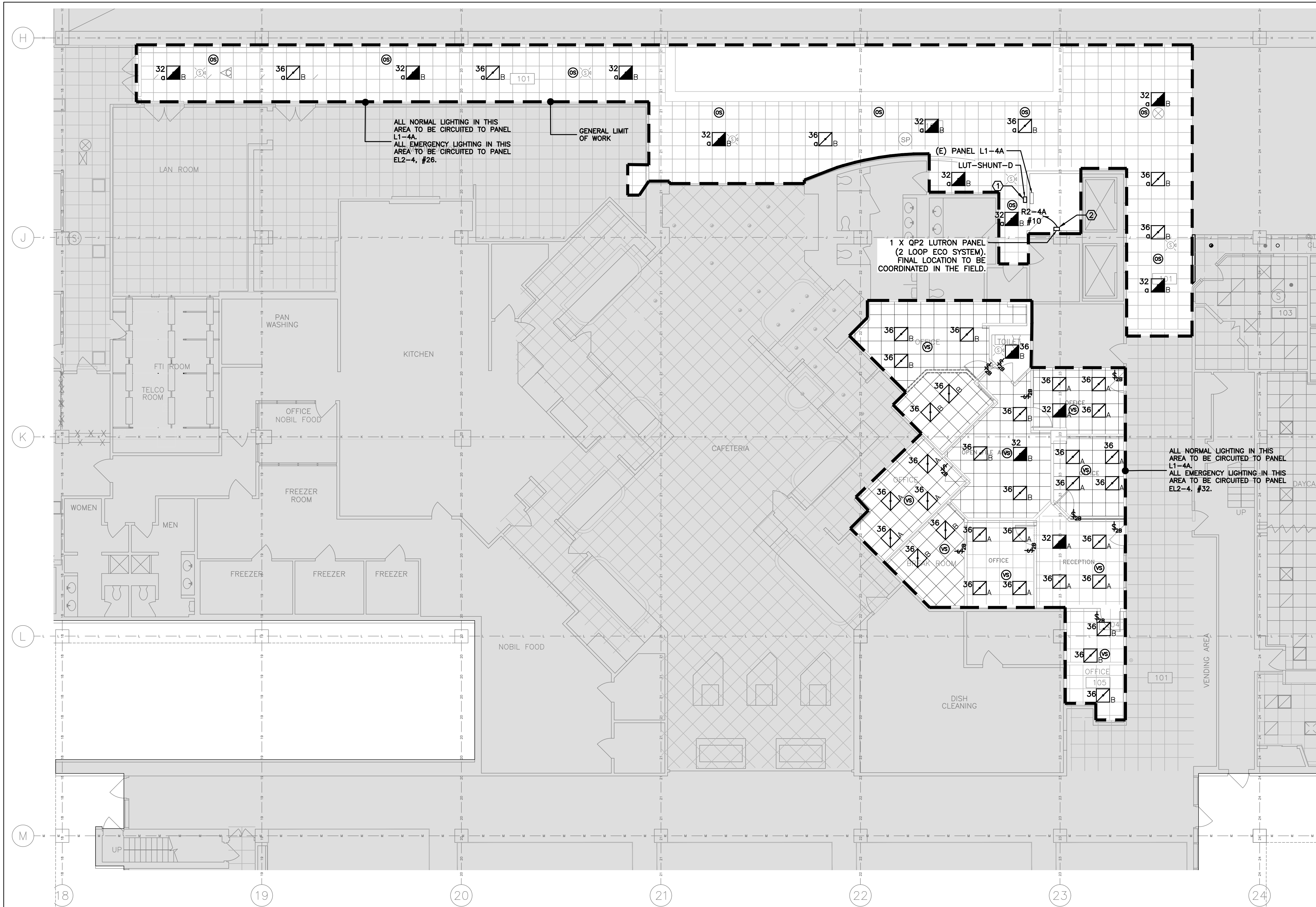
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REV	DATE	DESCRIPTION	CHECK	APRV'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
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WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

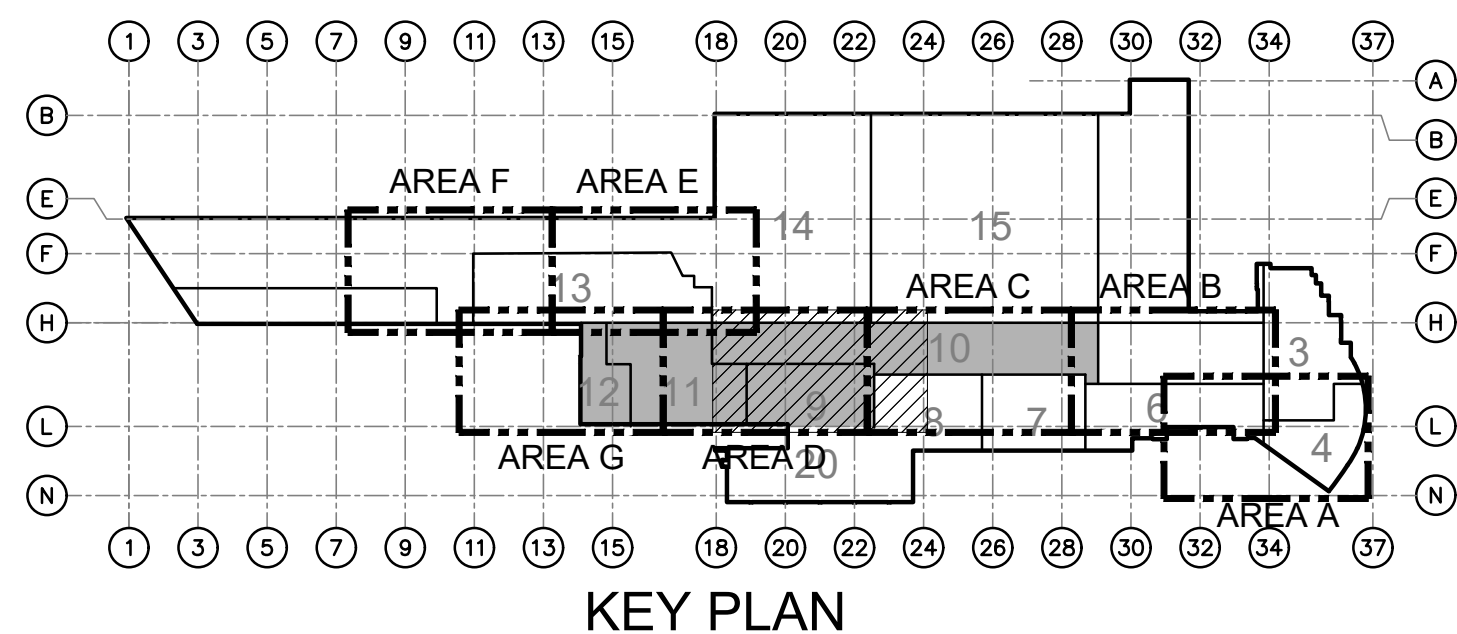
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL THIRD FLOOR POWER
PLAN - AREA "G"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
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DRAWN: DH	FACILITY SERVICES &	DRAWING NO.	SHEET #	
CHECK: AC	ENGINEERING DIVISION	F2024113-E1.08	71 OF 110	



D ELECTRICAL: PARTIAL FIRST FLOOR LIGHTING PLAN - AREA "D"
E2.01 SCALE: 1/8" = 1'-0"



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. ALL WORK SHOWN ON THIS DRAWING MUST COINCIDE WITH THE CONSTRUCTION PHASING PLANS.
3. LUTRON ECOSYSTEM MUST BE DEPLOYED THROUGHOUT. POWER MUST BE FED FROM PANELBOARDS AS DENOTED. CONTROLS MUST BE VIA ECOSYSTEM QP2 PANEL AND WIRED AS A LOOP (EVERY FIXTURE IS INDIVIDUALLY ADDRESSABLE). EMERGENCY FIXTURES MUST BE WIRED ON A DEDICATED ECOSYSTEM LOOP VIA A LUTRON LUT-SHUNT-D VOLTAGE SENSOR. SEE DRAWING E7.01 FOR FURTHER DETAILS.
4. PANEL R2-4A IS LOCATED ON SHEET E2.03

KEY NOTES:

- ① LUT-SHUNT-D VOLTAGE SENSOR (UL924 LISTED). POWER FROM LOCAL LIGHTING CIRCUIT. SEE GENERAL NOTE 3. FINAL LOCATION MUST BE COORDINATED IN THE FIELD.
- ② PANEL R2-4A HAS SIX (6) SPACES. NEW QP2 PANEL TO BE CONNECTED TO A NEW 20A-1P CIRCUIT BREAKER INSTALLED IN PANEL R2-4A, #10 VIA 2#12 + 1#12G IN 3/4"C. TOTAL LOAD ON CIRCUIT WILL BE 1.8KW.

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G	05/22/26	FINAL SUBMISSION		
F	09/16/25	AFTER BID SUBMISSION		
E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
B	11/26/24	65% DESIGN SUBMISSION		
A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APRV'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
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WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

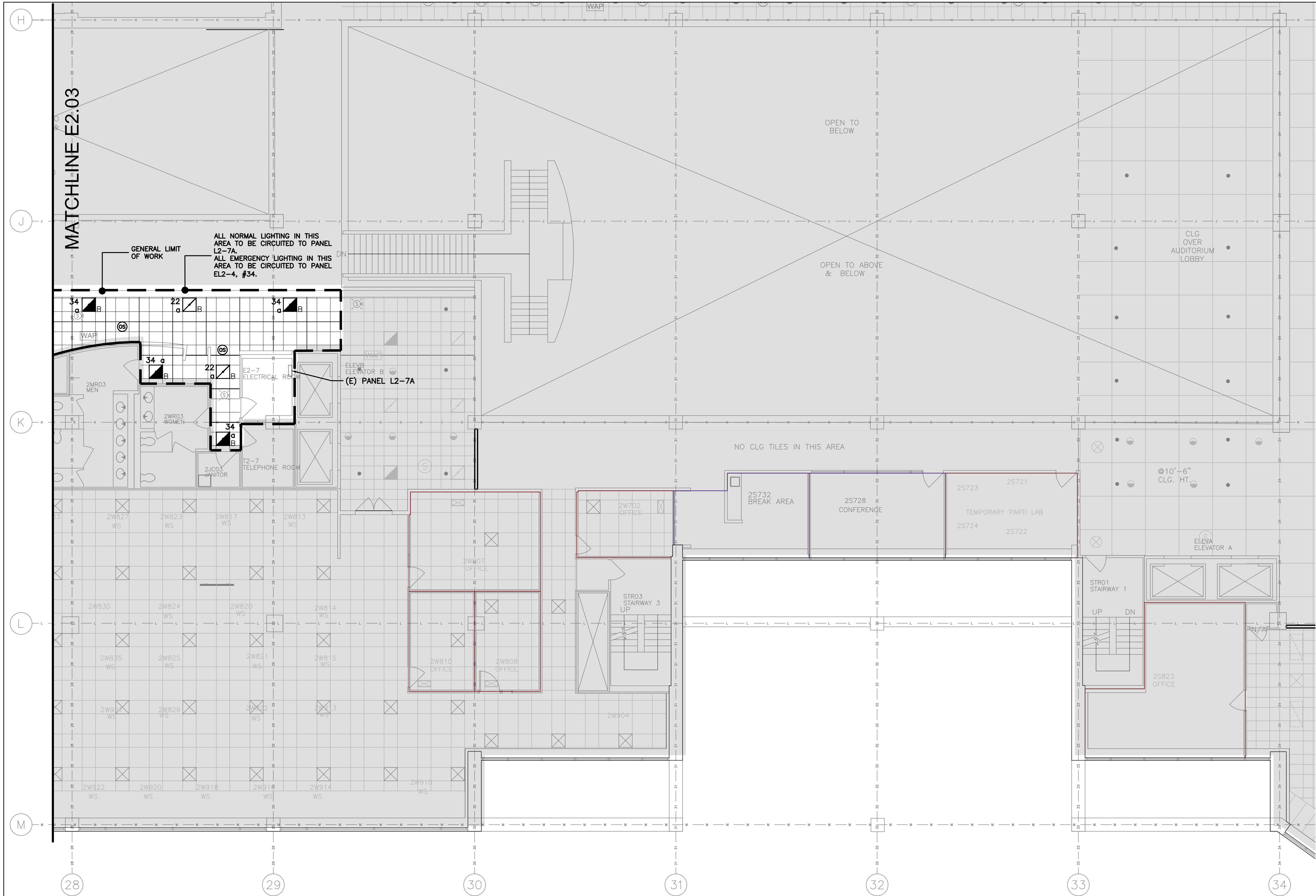
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL FIRST FLOOR LIGHTING
PLAN - AREA "D"

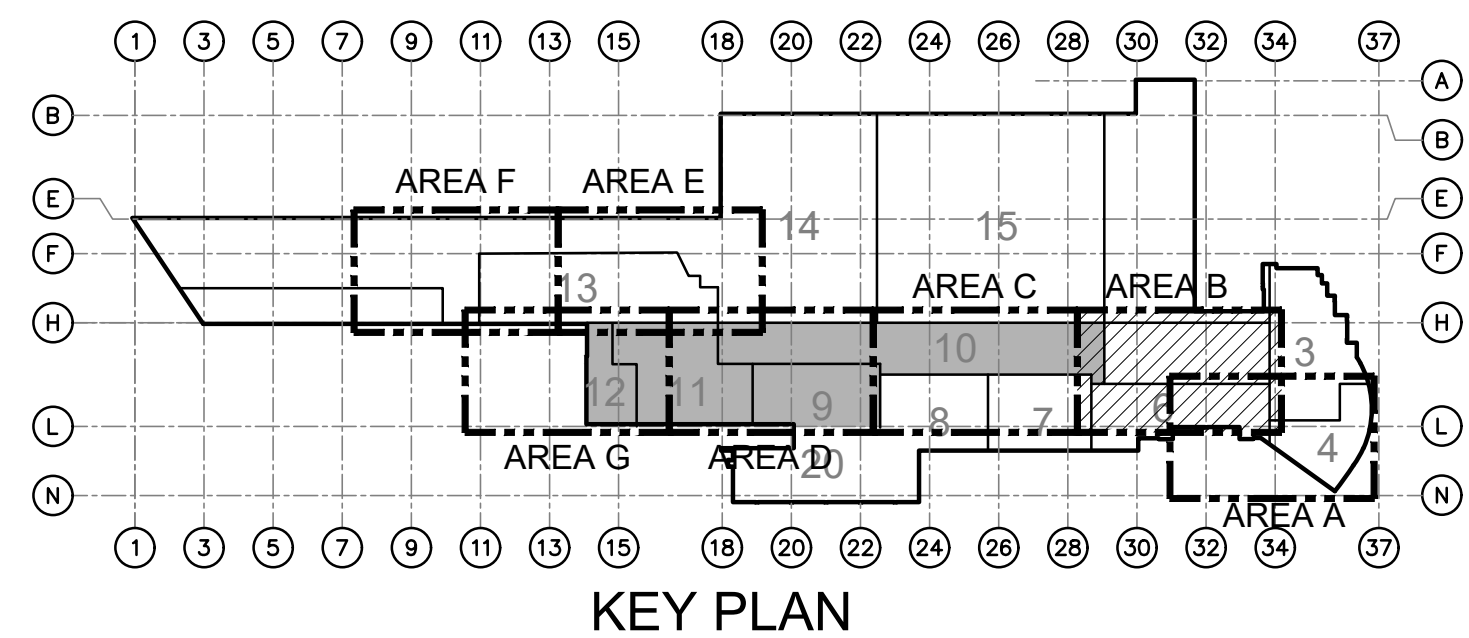
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	

DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:
APPROVAL (FINISHES) DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.
CHECK: AC		F2024113-E2.01

SHEET #
72 OF 110



B ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN - AREA "B"
E2.02 SCALE: 1/8" = 1'-0" 0 4' 8' 16'



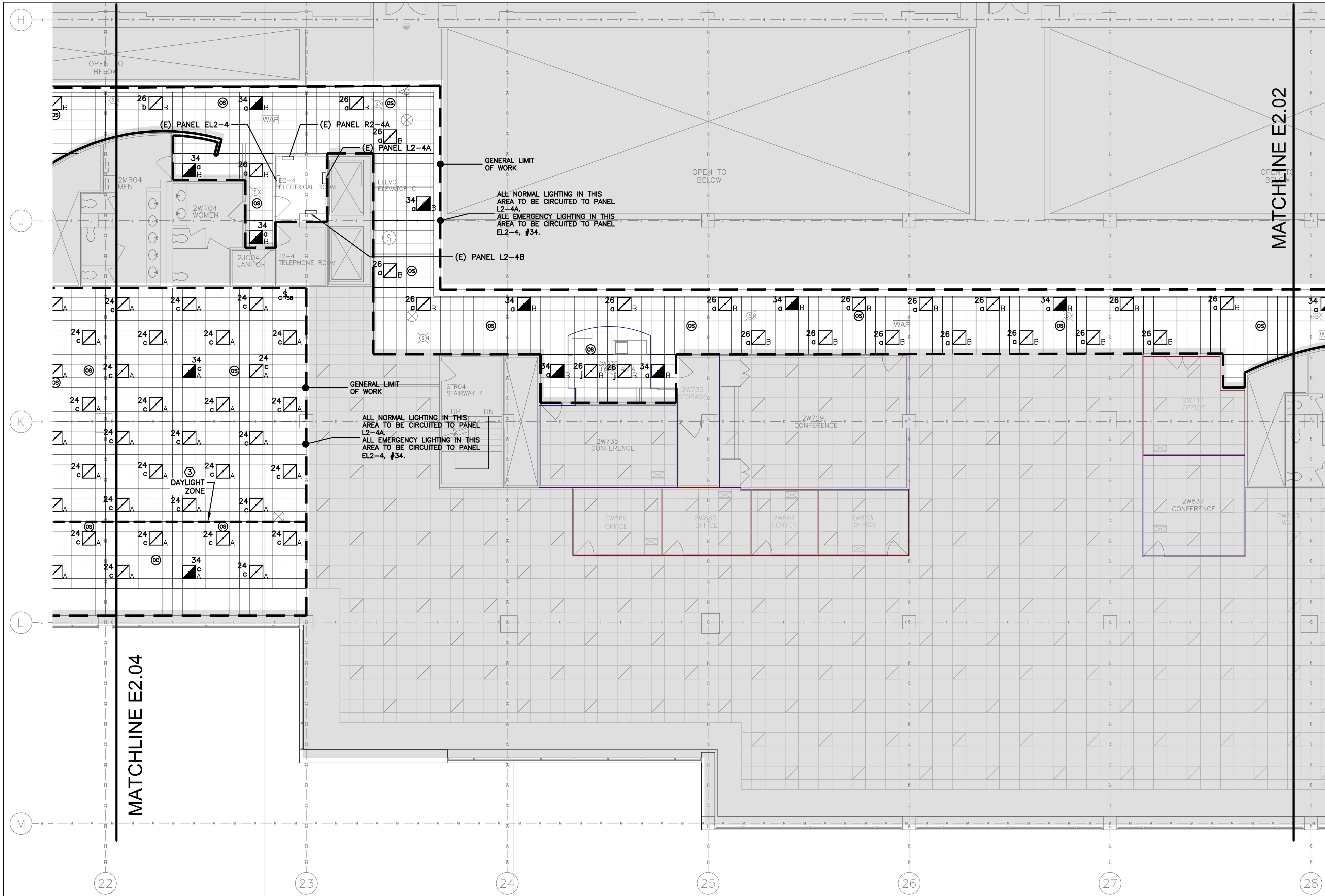
GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. ALL WORK SHOWN ON THIS DRAWING MUST COINCIDE WITH THE CONSTRUCTION PHASING PLANS.
3. LUTRON ECOSYSTEM MUST BE DEPLOYED THROUGHOUT. POWER MUST BE FED FROM PANELBOARDS AS DENOTED. CONTROLS MUST BE VIA ECOSYSTEM QP2 PANEL AND WIRED AS A LOOP (EVERY FIXTURE IS INDIVIDUALLY ADDRESSABLE). EMERGENCY FIXTURES MUST BE WIRED ON A DEDICATED ECOSYSTEM LOOP VIA A LUTRON LUT-SHUNT-D VOLTAGE SENSOR. SEE DRAWING E7.01 FOR FURTHER DETAILS.

KEY NOTES:

- ① LUT-SHUNT-D VOLTAGE SENSOR (UL924 LISTED). POWER FROM LOCAL LIGHTING CIRCUIT. SEE GENERAL NOTE 3. FINAL LOCATION MUST BE COORDINATED IN THE FIELD.

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F	09/16/25	AFTER BID SUBMISSION	
E	07/16/25	REVISED BID SET SUBMISSION	
D	04/22/25	BID SET SUBMISSION	
C	02/21/25	95% DESIGN SUBMISSION	
B	11/26/24	65% DESIGN SUBMISSION	
A	09/06/24	35% DESIGN SUBMISSION	
REV	DATE	DESCRIPTION	CHECK /APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405			
FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN - AREA "B"			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY
			MICHAEL ROSELLI
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:	
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.	SHEET #
CHECK: AC	ENGINEERING DIVISION	F2024113-E2.02	73 OF 110

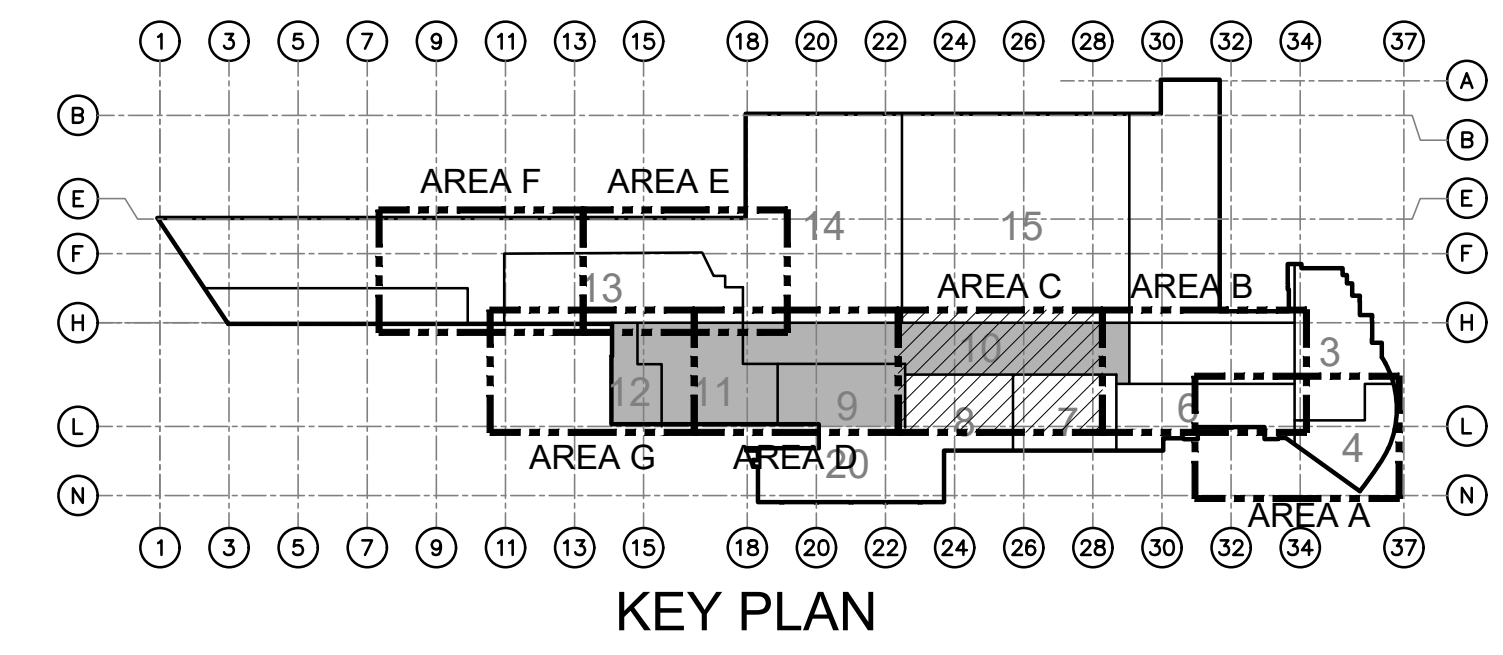


- GENERAL NOTES:**
- REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
 - ALL WORK SHOWN ON THIS DRAWING MUST COINCIDE WITH THE CONSTRUCTION PHASING PLANS.
 - LUTRON ECOSYSTEM MUST BE DEPLOYED THROUGHOUT. POWER MUST BE FED FROM PANELBOARDS AS DENOTED. CONTROLS MUST BE VIA ECOSYSTEM QP2 PANEL AND WIRED AS A LOOP (EVERY FIXTURE IS INDIVIDUALLY ADDRESSABLE). EMERGENCY FIXTURES MUST BE WIRED ON A DEDICATED ECOSYSTEM LOOP VIA A LUTRON LUT-SHUNT-D VOLTAGE SENSOR. SEE DRAWING E7.01 FOR FURTHER DETAILS.
- KEY NOTES:**
- LUT-SHUNT-D VOLTAGE SENSOR (UL924 LISTED). POWER FROM LOCAL LIGHTING CIRCUIT. SEE GENERAL NOTE 3. FINAL LOCATION MUST BE COORDINATED IN THE FIELD.
 - FIRE ALARM DEVICES DENOTED MUST BE REPOSITIONED IN POSITION SHOWN.
 - ALL LIGHTING WITHIN THE DAYLIGHT ZONE (AREA BETWEEN THE DASHED LINE AND WINDOWS) WILL BE CONTROLLED BY DAYLIGHT SENSORS TO DIM UP/DOWN IN ACCORDANCE WITH THE DAYLIGHT CONTRIBUTION. FIXTURES IN THIS AREA MUST ALSO BE ZONED TO LOCAL OCCUPANCY SENSORS AS INDICATED ON THE PLAN.

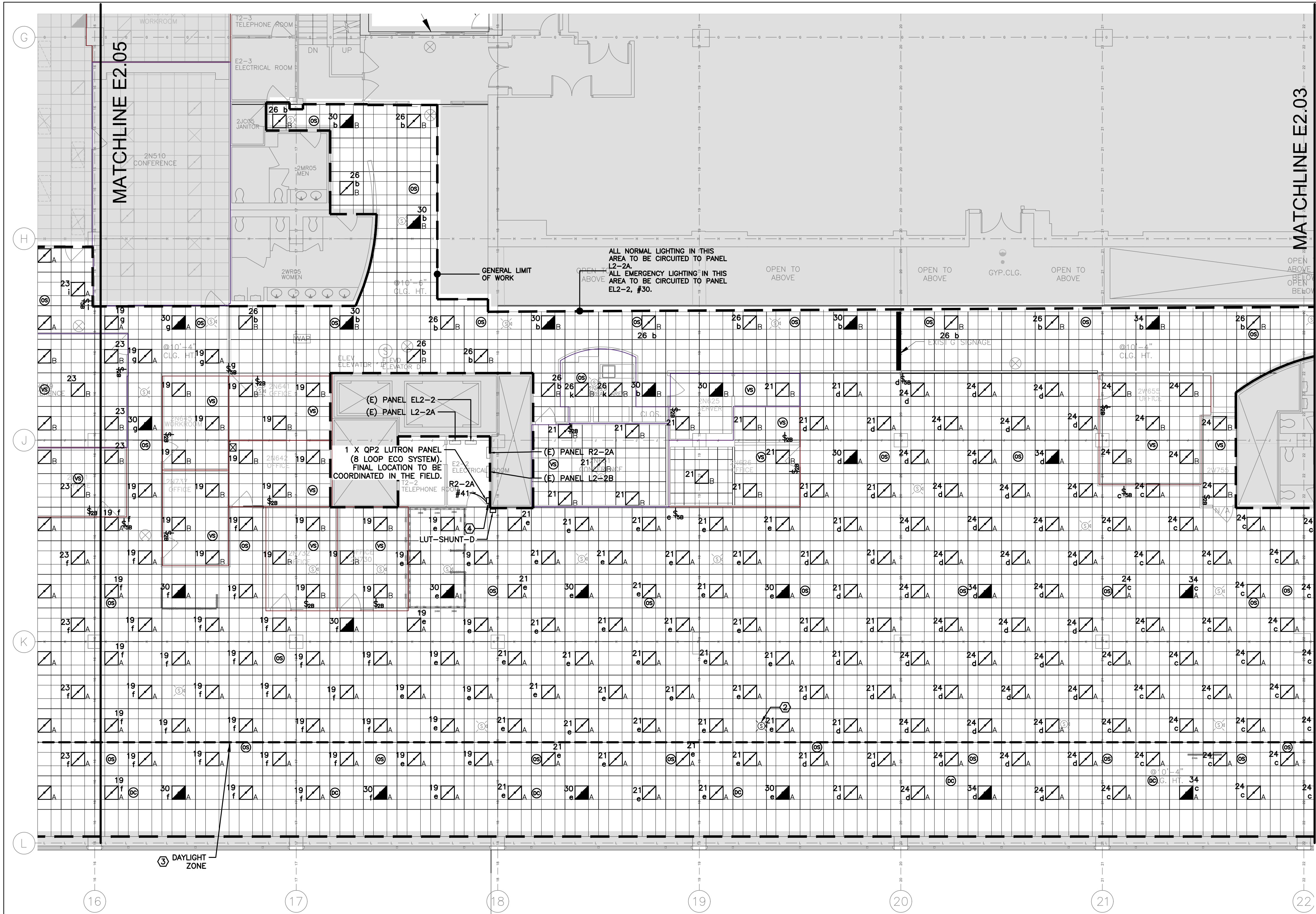
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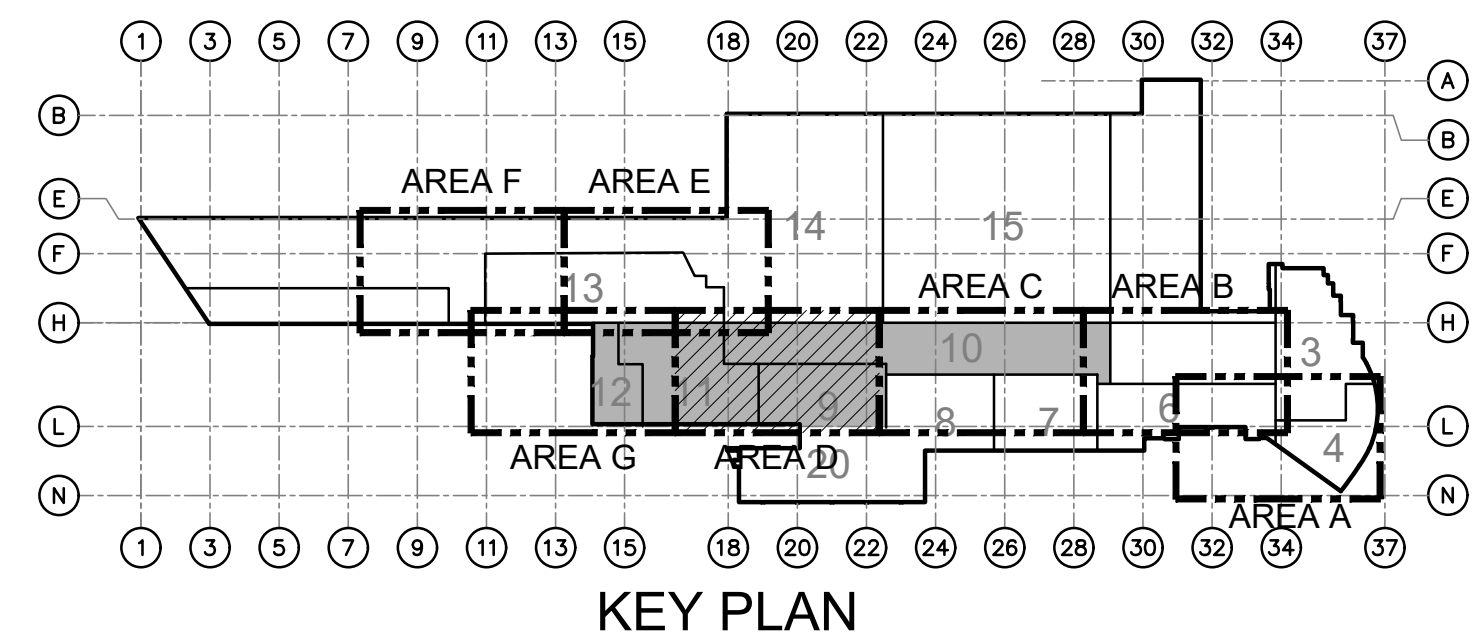
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UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405				
FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT				
ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN - AREA "C"				
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.	SHEET #	
CHECK: AC	ENGINEERING DIVISION	F2024113-E2.03	74 OF 110	



C ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN - AREA "C"
E2.03 SCALE: 1/8" = 1'-0"
0 4' 8' 16'



D ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN - AREA "D"
E2.04 SCALE: 1/8" = 1'-0"



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. ALL WORK SHOWN ON THIS DRAWING MUST COINCIDE WITH THE CONSTRUCTION PHASING PLANS.
3. LUTRON ECOSYSTEM MUST BE DEPLOYED THROUGHOUT. POWER MUST BE FED FROM PANELBOARDS AS DENOTED. CONTROLS MUST BE VIA ECOSYSTEM QP2 PANEL AND WIRED AS A LOOP (EVERY FIXTURE IS INDIVIDUALLY ADDRESSABLE). EMERGENCY FIXTURES MUST BE WIRED ON A DEDICATED ECOSYSTEM LOOP VIA A LUTRON LUT-SHUNT-D VOLTAGE SENSOR. SEE DRAWING E7.01 FOR FURTHER DETAILS.

KEY NOTES:

- ① LUT-SHUNT-D VOLTAGE SENSOR (UL924 LISTED). POWER FROM LOCAL LIGHTING CIRCUIT. SEE GENERAL NOTE 3. FINAL LOCATION MUST BE COORDINATED IN THE FIELD.
- ② FIRE ALARM DEVICES DENOTED MUST BE REPOSITIONED IN POSITION SHOWN.
- ③ ALL LIGHTING WITHIN THE DAYLIGHT ZONE (AREA BETWEEN THE DASHED LINE AND WINDOWS) WILL BE CONTROLLED BY DAYLIGHT SENSORS TO DIM UP/DOWN IN ACCORDANCE WITH THE DAYLIGHT CONTRIBUTION. FIXTURES IN THIS AREA MUST ALSO BE ZONED TO LOCAL OCCUPANCY SENSORS AS INDICATED ON THE PLAN.
- ④ PANEL R2-2A HAS ONE (1) SPACE. NEW QP2 PANEL TO BE CONNECTED TO A NEW 20A-1P CIRCUIT BREAKER INSTALLED IN PANEL R2-2A, #41 VIA 2#12 + 1#12G IN 3/4" C. TOTAL LOAD ON CIRCUIT WILL BE 1.8KW.

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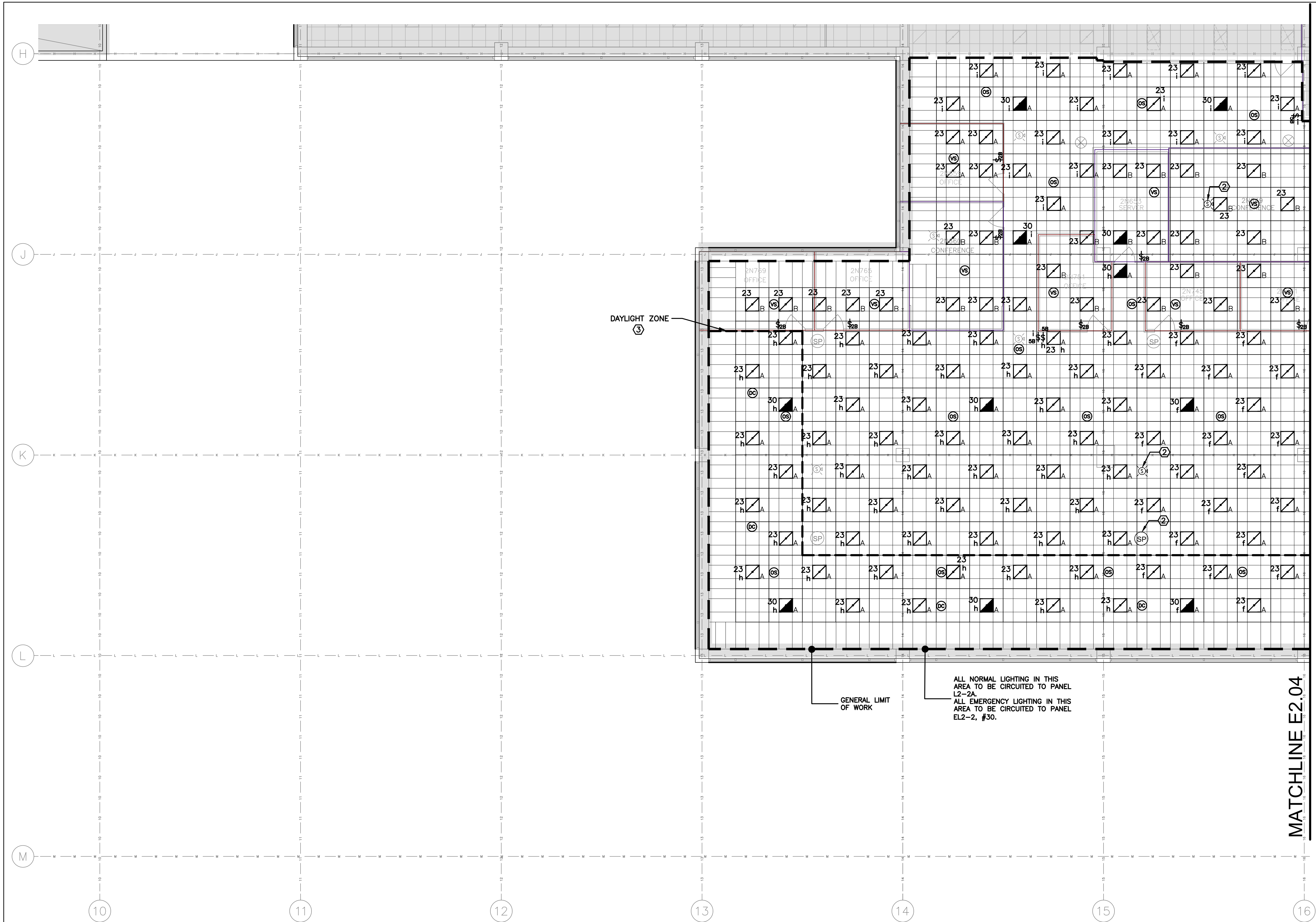
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E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
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A	09/06/24	35% DESIGN SUBMISSION		

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ATLANTIC CITY INT'L AIRPORT, N.J. 08405

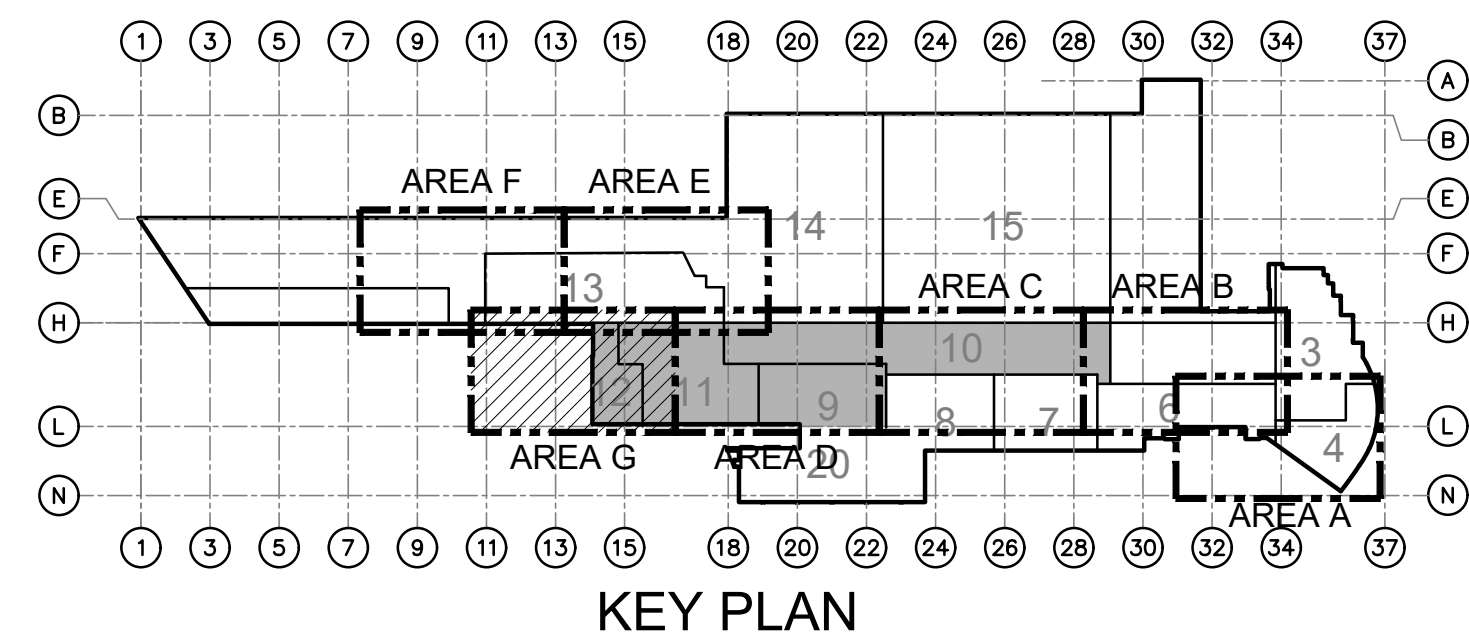
FACILITY
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ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING
PLAN - AREA "D"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
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CHECK: AC				



G
E2.05 ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN - AREA "G"
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



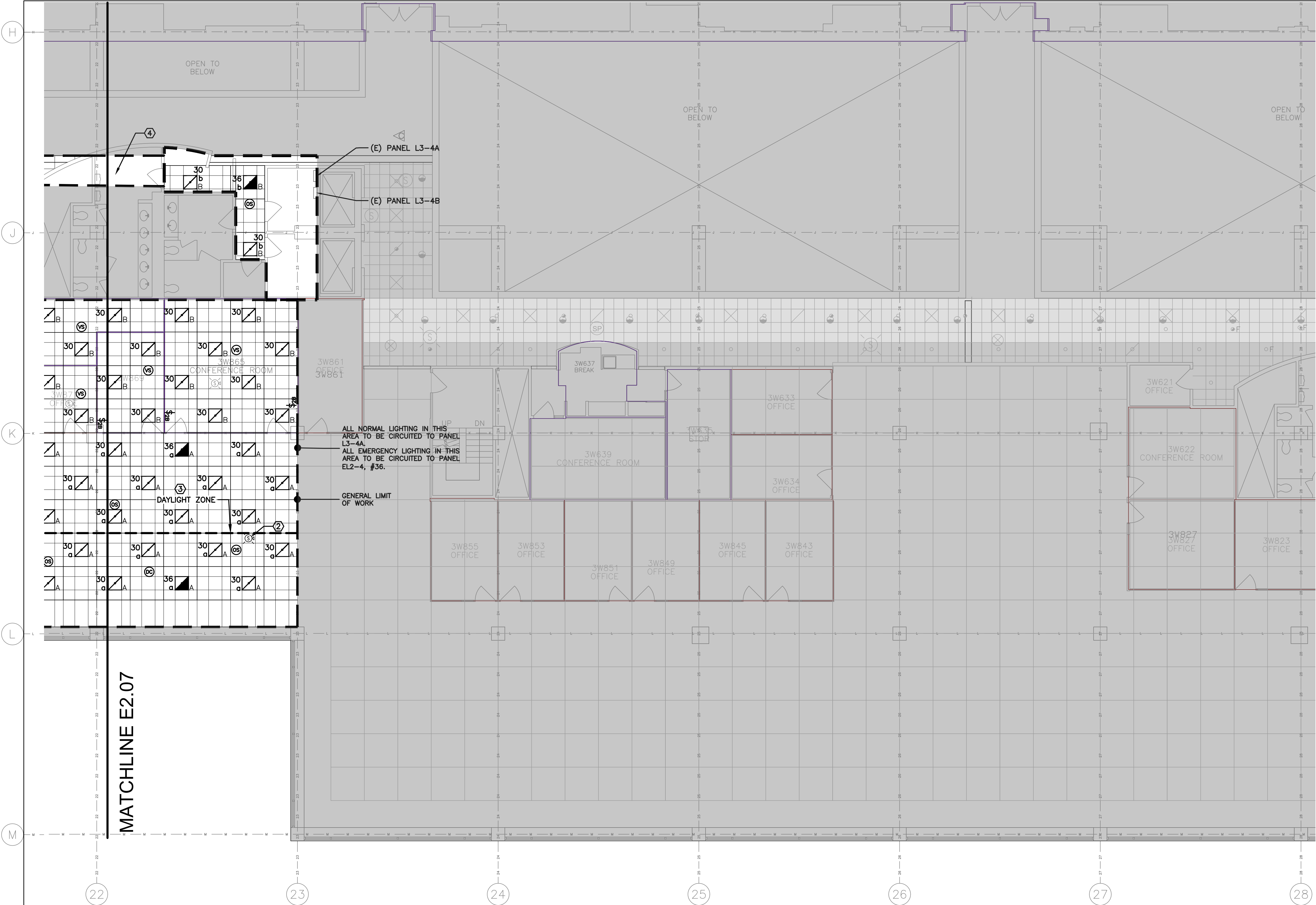
GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
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3. LUTRON ECOSYSTEM MUST BE DEPLOYED THROUGHOUT. POWER MUST BE FED FROM PANELBOARDS AS DENOTED. CONTROLS MUST BE VIA ECOSYSTEM QP2 PANEL AND WIRED AS A LOOP (EVERY FIXTURE IS INDIVIDUALLY ADDRESSABLE). EMERGENCY FIXTURES MUST BE WIRED ON A DEDICATED ECOSYSTEM LOOP VIA A LUTRON LUT-SHUNT-D VOLTAGE SENSOR. SEE DRAWING E7.01 FOR FURTHER DETAILS.

KEY NOTES:

- ① LUT-SHUNT-D VOLTAGE SENSOR (UL924 LISTED). POWER FROM LOCAL LIGHTING CIRCUIT. SEE GENERAL NOTE 3. FINAL LOCATION MUST BE COORDINATED IN THE FIELD.
- ② FIRE ALARM DEVICES DENOTED MUST BE REPOSITIONED IN POSITION SHOWN.
- ③ ALL LIGHTING WITHIN THE DAYLIGHT ZONE (AREA BETWEEN THE DASHED LINE AND WINDOWS) WILL BE CONTROLLED BY DAYLIGHT SENSORS TO DIM UP/DOWN IN ACCORDANCE WITH THE DAYLIGHT CONTRIBUTION. FIXTURES IN THIS AREA MUST ALSO BE ZONED TO LOCAL OCCUPANCY SENSORS AS INDICATED ON THE PLAN.

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REV	DATE	DESCRIPTION	CHECK /APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405			
FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: PARTIAL SECOND FLOOR LIGHTING PLAN - AREA "G"			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY
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GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
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KEY NOTES:

- ① LUT-SHUNT-D VOLTAGE SENSOR (UL924 LISTED). POWER FROM LOCAL LIGHTING CIRCUIT. SEE GENERAL NOTE 3. FINAL LOCATION MUST BE COORDINATED IN THE FIELD.
- ② FIRE ALARM DEVICES DENOTED MUST BE REPOSITIONED IN POSITION SHOWN.
- ③ ALL LIGHTING WITHIN THE DAYLIGHT ZONE (AREA BETWEEN THE DASHED LINE AND WINDOWS) WILL BE CONTROLLED BY DAYLIGHT SENSORS TO DIM UP/DOWN IN ACCORDANCE WITH THE DAYLIGHT CONTRIBUTION. FIXTURES IN THIS AREA MUST ALSO BE ZONED TO LOCAL OCCUPANCY SENSORS AS INDICATED ON THE PLAN.
- ④ EXISTING GYPSUM CEILING IS BEING REMOVED AND REPLACED TO MATCH EXISTING. EXISTING LIGHT FIXTURES TO BE REINSTATED.

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A	09/06/24	35% DESIGN SUBMISSION		
REV	DATE	DESCRIPTION	CHECK	APRV'D

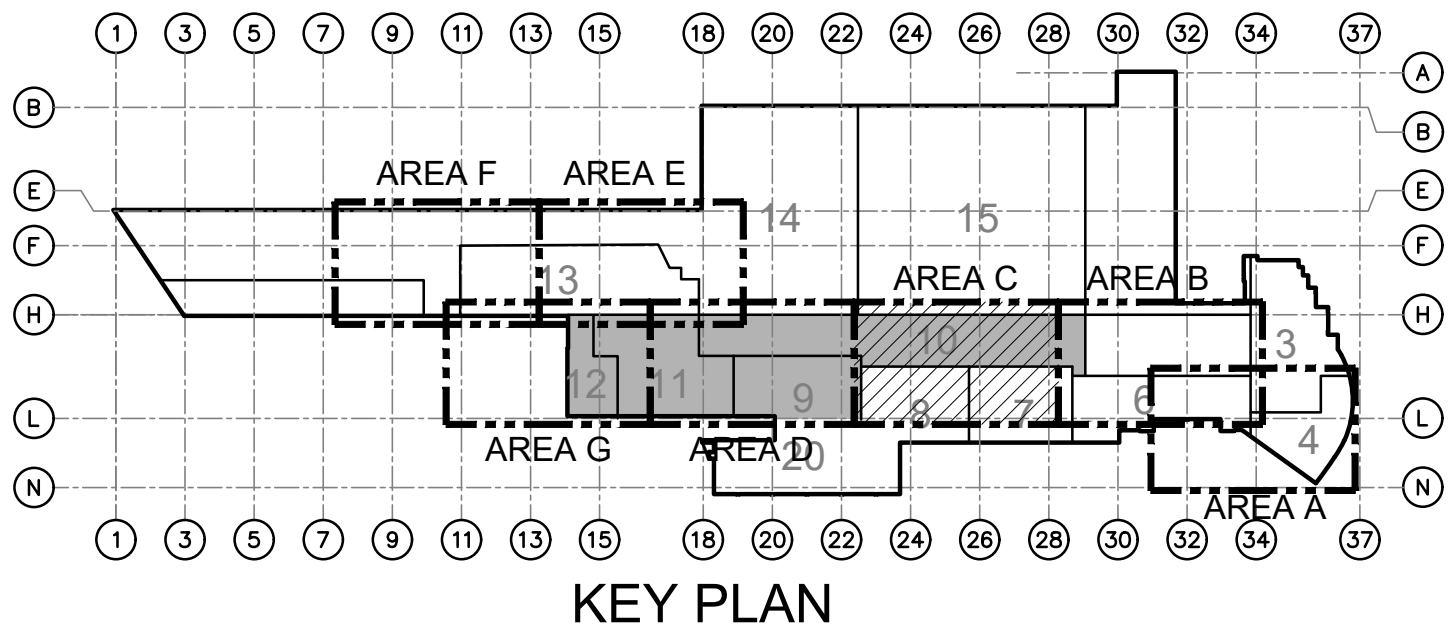
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WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

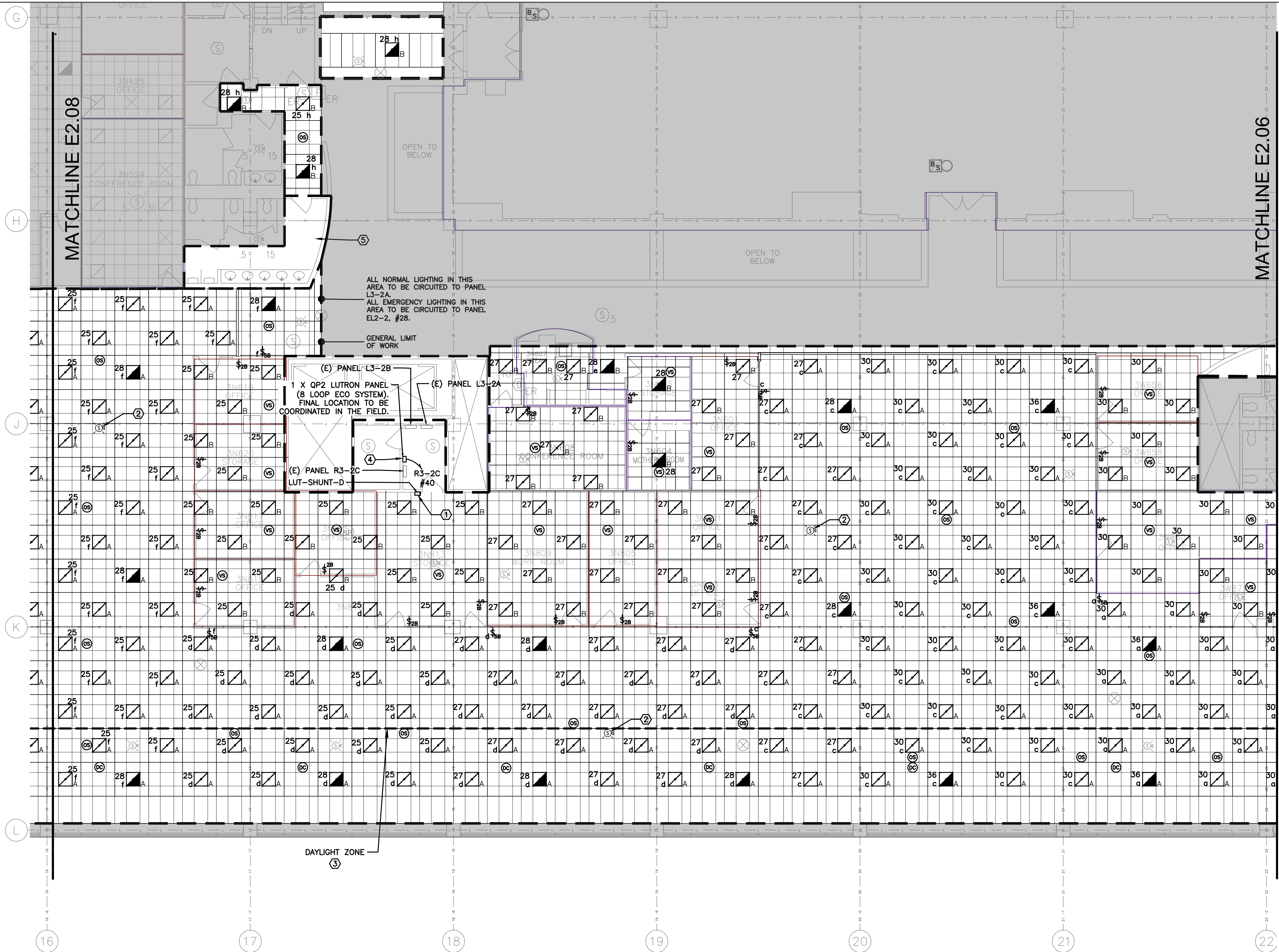
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING
PLAN - AREA "C"

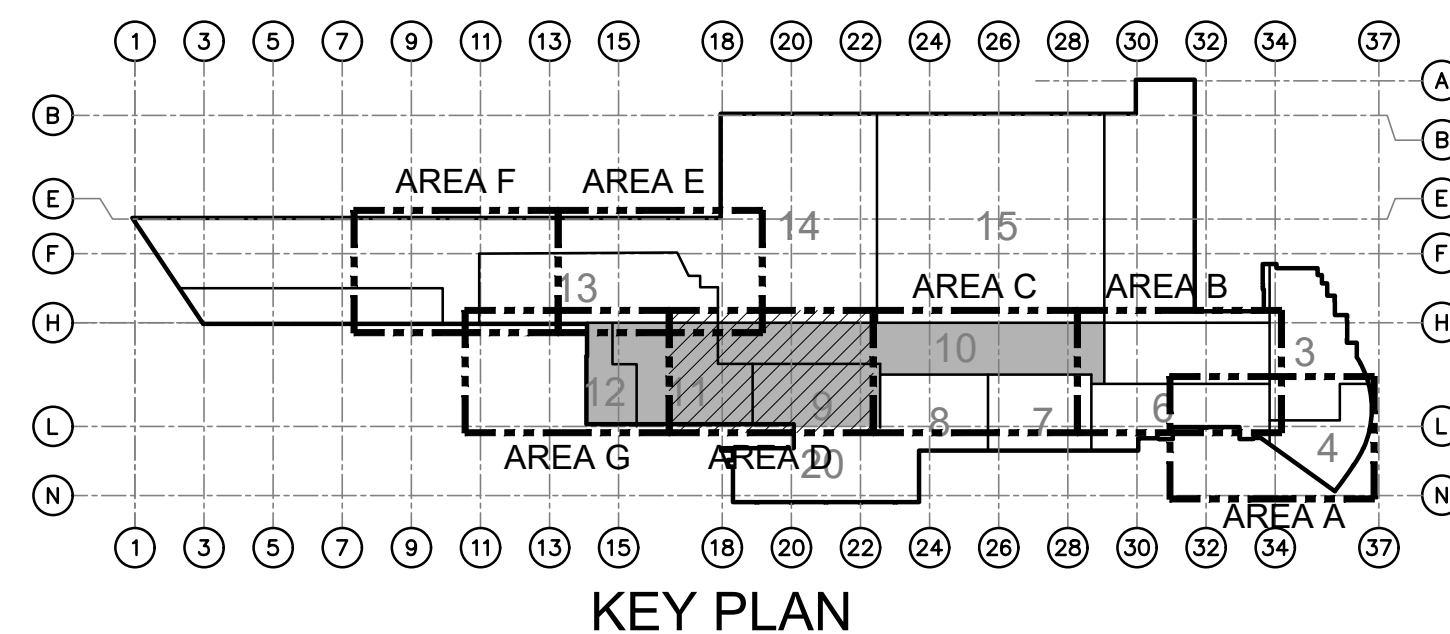
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.		
CHECK: AC	ENGINEERING DIVISION	F2024113-E2.06	SHEET #	
			77 OF 110	

C ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING PLAN - AREA "C"
E2.06 SCALE: 1/8" = 1'-0"
0 4' 8' 16'





D ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING PLAN - AREA "D"
E2.07 SCALE: 1/8" = 1'-0"
0 4' 8' 16'



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. ALL WORK SHOWN ON THIS DRAWING MUST COINCIDE WITH THE CONSTRUCTION PHASING PLANS.
3. LUTRON ECOSYSTEM MUST BE DEPLOYED THROUGHOUT. POWER MUST BE FED FROM PANELBOARDS AS DENOTED. CONTROLS MUST BE VIA ECOSYSTEM QP2 PANEL AND WIRED AS A LOOP (EVERY FIXTURE IS INDIVIDUALLY ADDRESSABLE). EMERGENCY FIXTURES MUST BE WIRED ON A DEDICATED ECOSYSTEM LOOP VIA A LUTRON LUT-SHUNT-D VOLTAGE SENSOR. SEE DRAWING E7.01 FOR FURTHER DETAILS.

KEY NOTES:

- ① LUT-SHUNT-D VOLTAGE SENSOR (UL924 LISTED). POWER FROM LOCAL LIGHTING CIRCUIT. SEE GENERAL NOTE 3. FINAL LOCATION MUST BE COORDINATED IN THE FIELD.
- ② FIRE ALARM DEVICES DENOTED MUST BE REPOSITIONED IN POSITION SHOWN.
- ③ ALL LIGHTING WITHIN THE DAYLIGHT ZONE (AREA BETWEEN THE DASHED LINE AND WINDOWS) WILL BE CONTROLLED BY DAYLIGHT SENSORS TO DIM UP/DOWN IN ACCORDANCE WITH THE DAYLIGHT CONTRIBUTION. FIXTURES IN THIS AREA MUST ALSO BE ZONED TO LOCAL OCCUPANCY SENSORS AS INDICATED ON THE PLAN.
- ④ PANEL R3-2C HAS FIVE (5) SPACES. NEW QP2 PANEL TO BE CONNECTED TO A NEW 20A-1P CIRCUIT BREAKER INSTALLED IN PANEL R3-2C, #40 VIA 2#12 + 1#12G IN 3/4" C. TOTAL LOAD ON CIRCUIT WILL BE 1.8KW.
- ⑤ EXISTING GYPSUM CEILING IS BEING REMOVED AND REPLACED TO MATCH EXISTING. EXISTING LIGHT FIXTURES TO BE REINSTATED.

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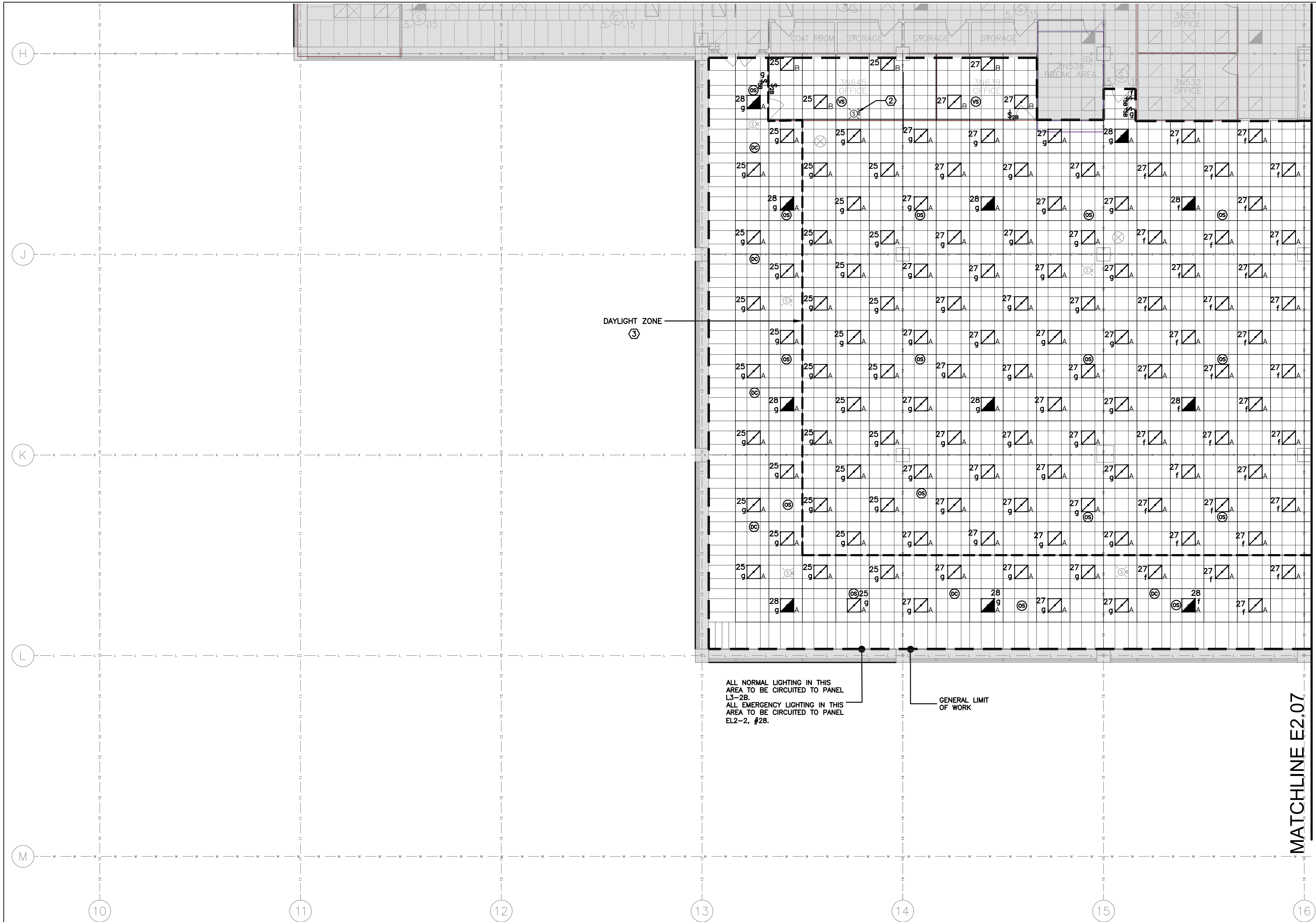
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G	05/22/26	FINAL SUBMISSION		
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E	07/16/25	REVISED BID SET SUBMISSION		
D	04/22/25	BID SET SUBMISSION		
C	02/21/25	95% DESIGN SUBMISSION		
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UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

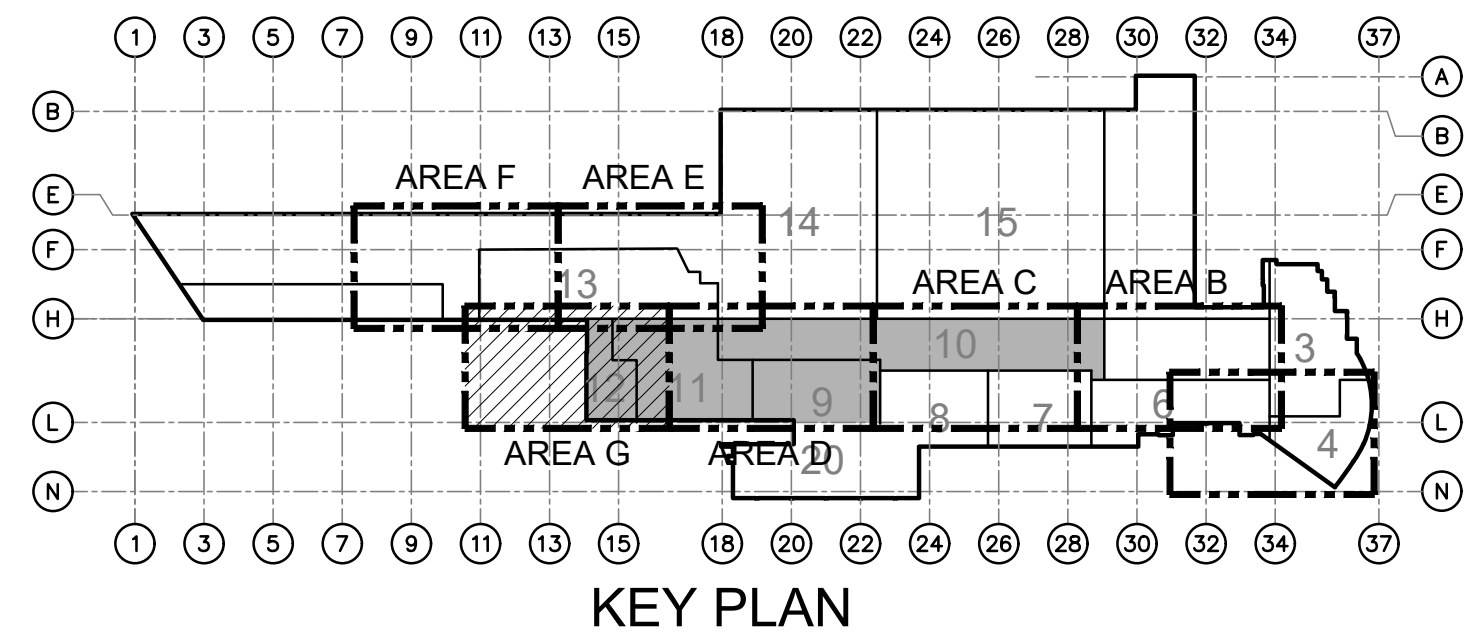
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING
PLAN - AREA "D"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO. F2024113-E2.07		SHEET #
CHECK: AC				78 OF 110



G
E2.08
ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING PLAN - AREA "G"
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. ALL WORK SHOWN ON THIS DRAWING MUST COINCIDE WITH THE CONSTRUCTION PHASING PLANS.
3. LUTRON ECOSYSTEM MUST BE DEPLOYED THROUGHOUT. POWER MUST BE FED FROM PANELBOARDS AS DENOTED. CONTROLS MUST BE VIA ECOSYSTEM QP2 PANEL AND WIRED AS A LOOP (EVERY FIXTURE IS INDIVIDUALLY ADDRESSABLE). EMERGENCY FIXTURES MUST BE WIRED ON A DEDICATED ECOSYSTEM LOOP VIA A LUTRON LUT-SHUNT-D VOLTAGE SENSOR. SEE DRAWING E7.01 FOR FURTHER DETAILS.

KEY NOTES:

- ① LUT-SHUNT-D VOLTAGE SENSOR (UL924 LISTED). POWER FROM LOCAL LIGHTING CIRCUIT. SEE GENERAL NOTE 3. FINAL LOCATION MUST BE COORDINATED IN THE FIELD.
- ② FIRE ALARM DEVICES DENOTED MUST BE REPOSITIONED IN POSITION SHOWN.
- ③ ALL LIGHTING WITHIN THE DAYLIGHT ZONE (AREA BETWEEN THE DASHED LINE AND WINDOWS) WILL BE CONTROLLED BY DAYLIGHT SENSORS TO DIM UP/DOWN IN ACCORDANCE WITH THE DAYLIGHT CONTRIBUTION. FIXTURES IN THIS AREA MUST ALSO BE ZONED TO LOCAL OCCUPANCY SENSORS AS INDICATED ON THE PLAN.

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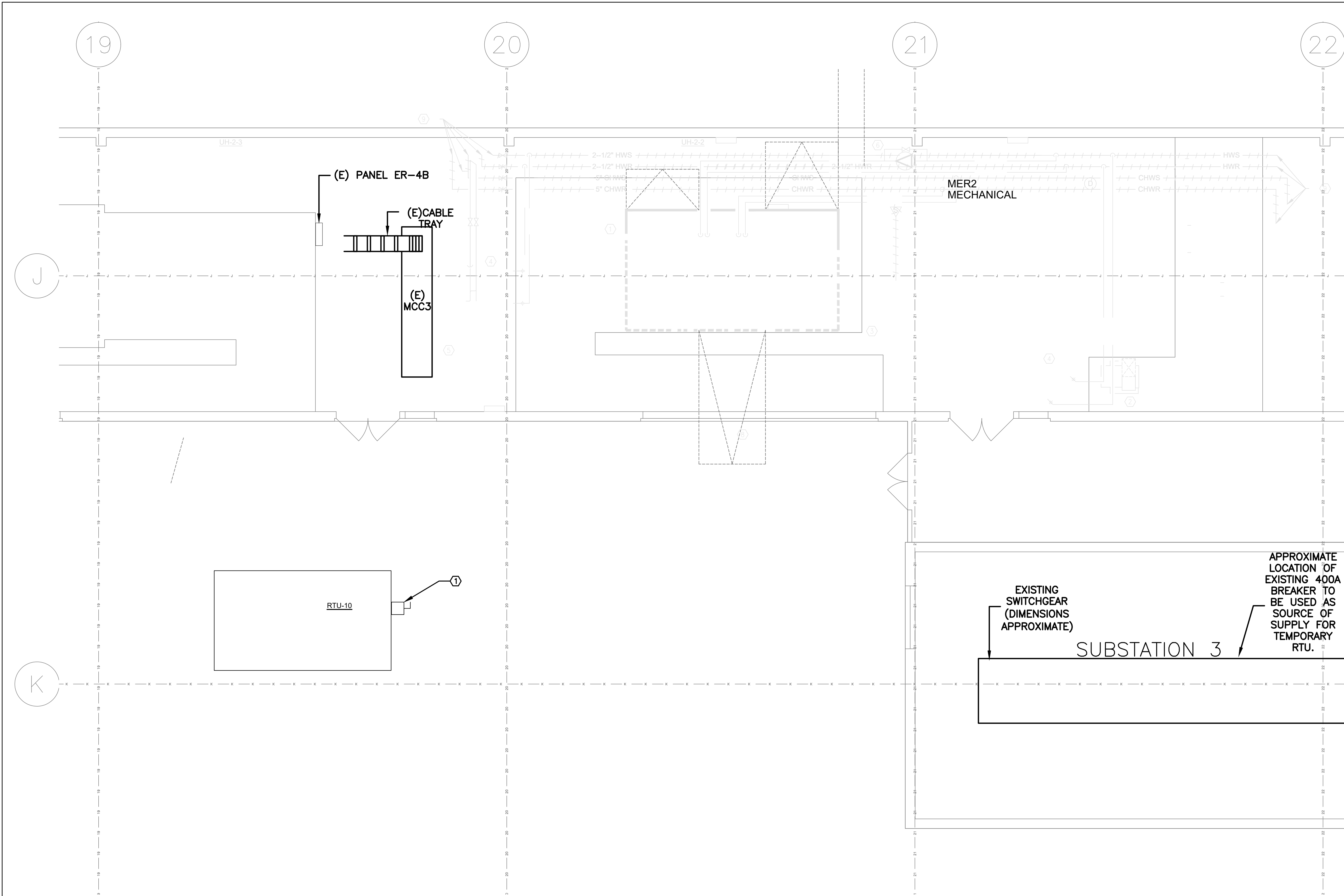
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FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

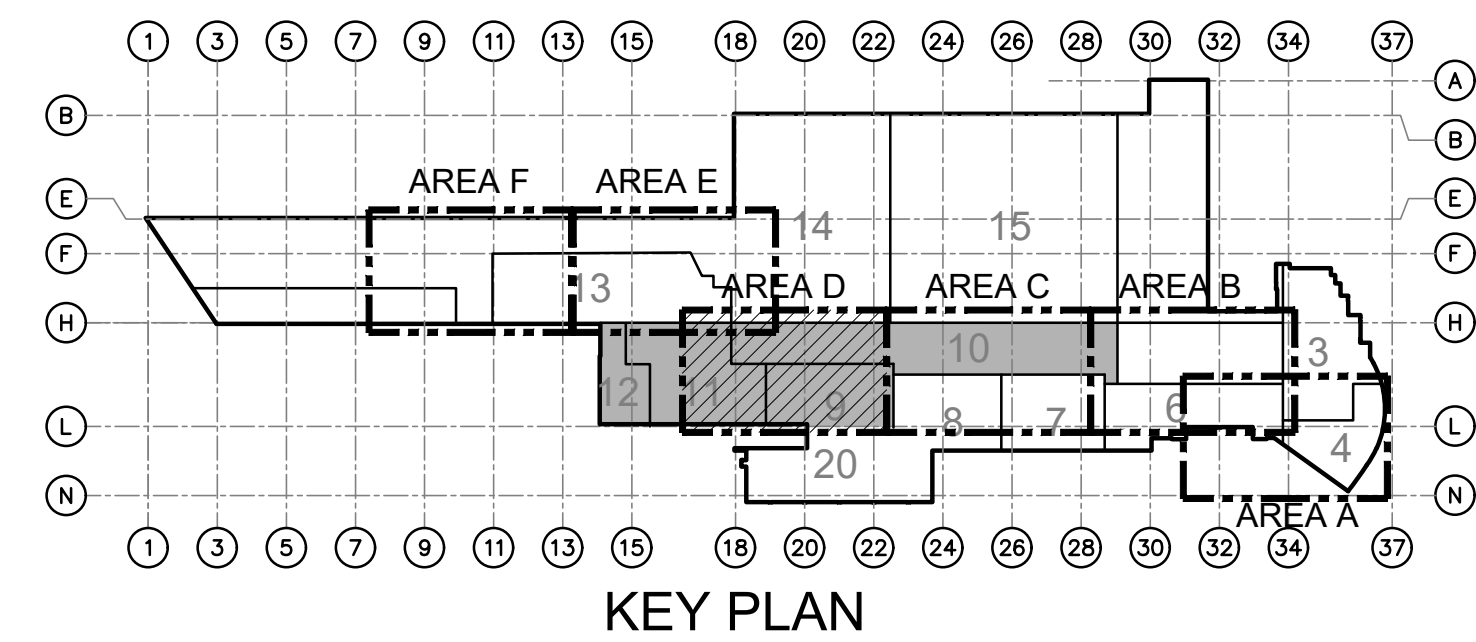
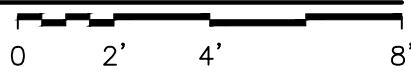
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: PARTIAL THIRD FLOOR LIGHTING
PLAN - AREA "G"

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #	
CHECK: AC		F2024113-E2.08	79 OF 110	



1 ELECTRICAL: TEMPORARY POWER PART PLAN - MER-2
E3.01 SCALE: 1/4" = 1'-0"



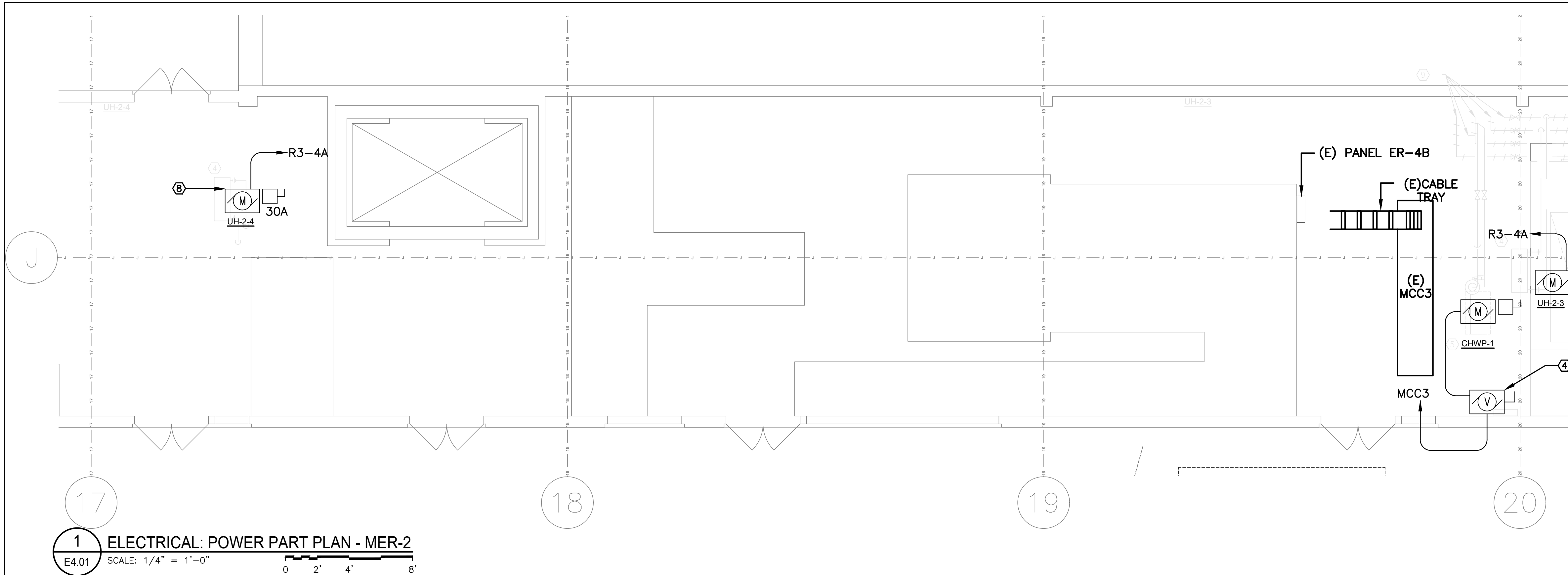
GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.

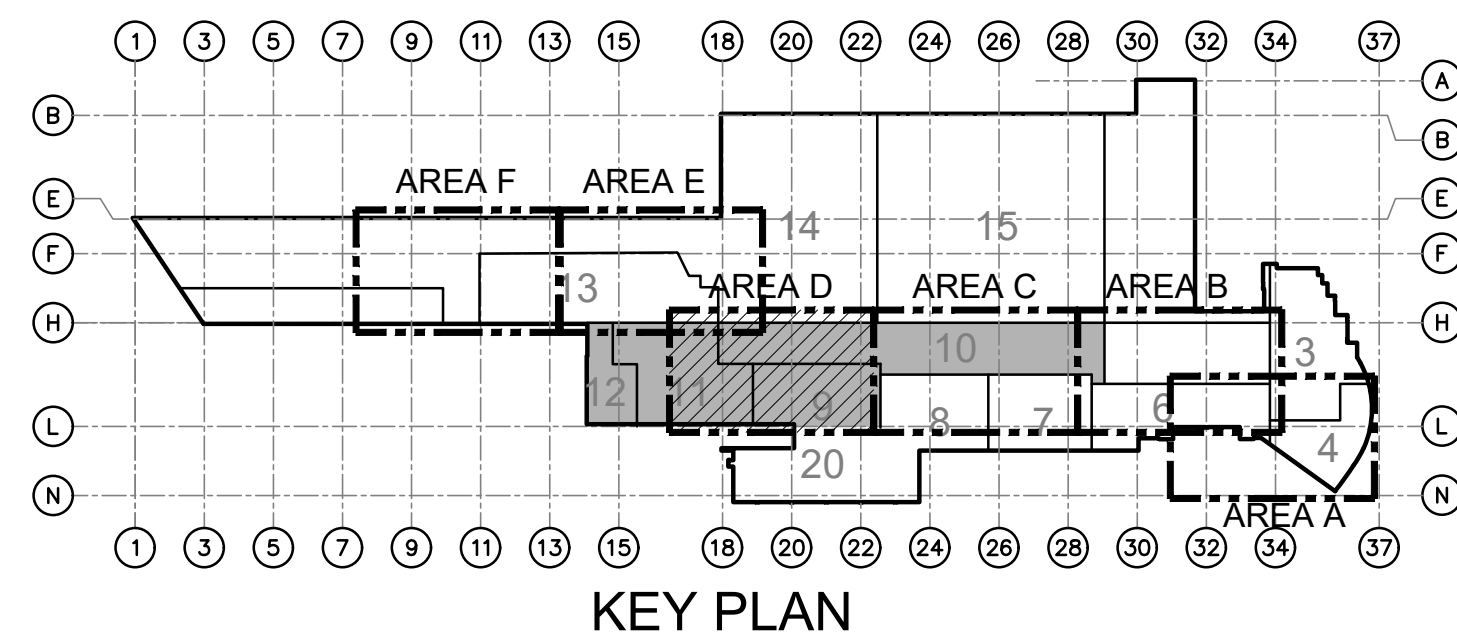
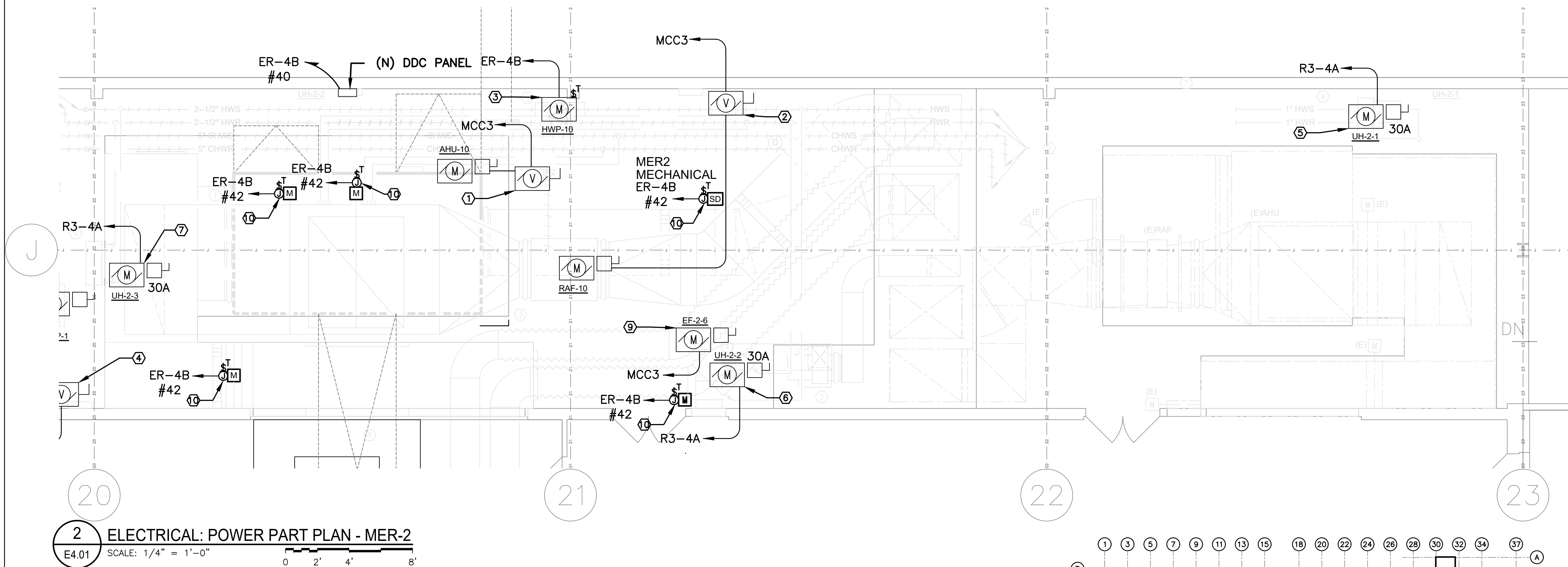
KEYNOTES:

- ① TEMPORARY HVAC UNIT TO BE INSTALLED WHILE NEW PERMANENT HVAC EQUIPMENT IS BEING INSTALLED. WIRE THE TEMPORARY HVAC UNIT WITH 3#600 KCM + 1#36 - 3 1/2" C FROM EXISTING SPARE 400A CIRCUIT BREAKER IN ADJACENT SUBSTATION 3. ALL EQUIPMENT AND WIRING FOR TEMPORARY POWER TO BE REMOVED AFTER INSTALLATION OF PERMANENT HVAC EQUIPMENT. PROVIDE LOCAL 400A DISCONNECT.

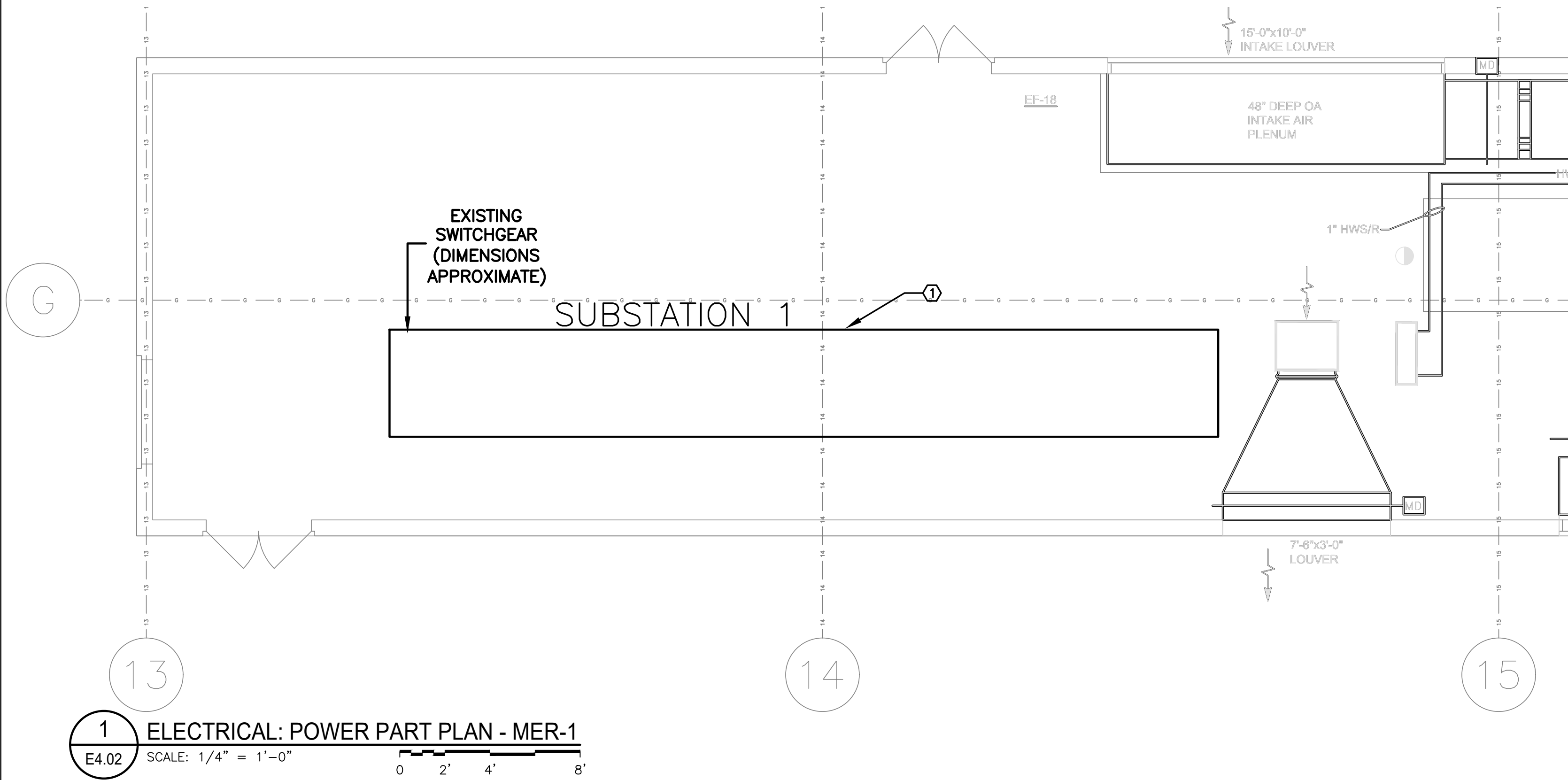
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REV	DATE	DESCRIPTION	CHECK APPR'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405			
FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: TEMPORARY POWER PART PLAN - MER-2			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY DATE
			MICHAEL ROSELLI
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:	
DRAWN: DH	FACILITY SERVICES &	DRAWING NO.	SHEET #
CHECK: AC	ENGINEERING DIVISION	F2024113-E3.01	80 OF 110



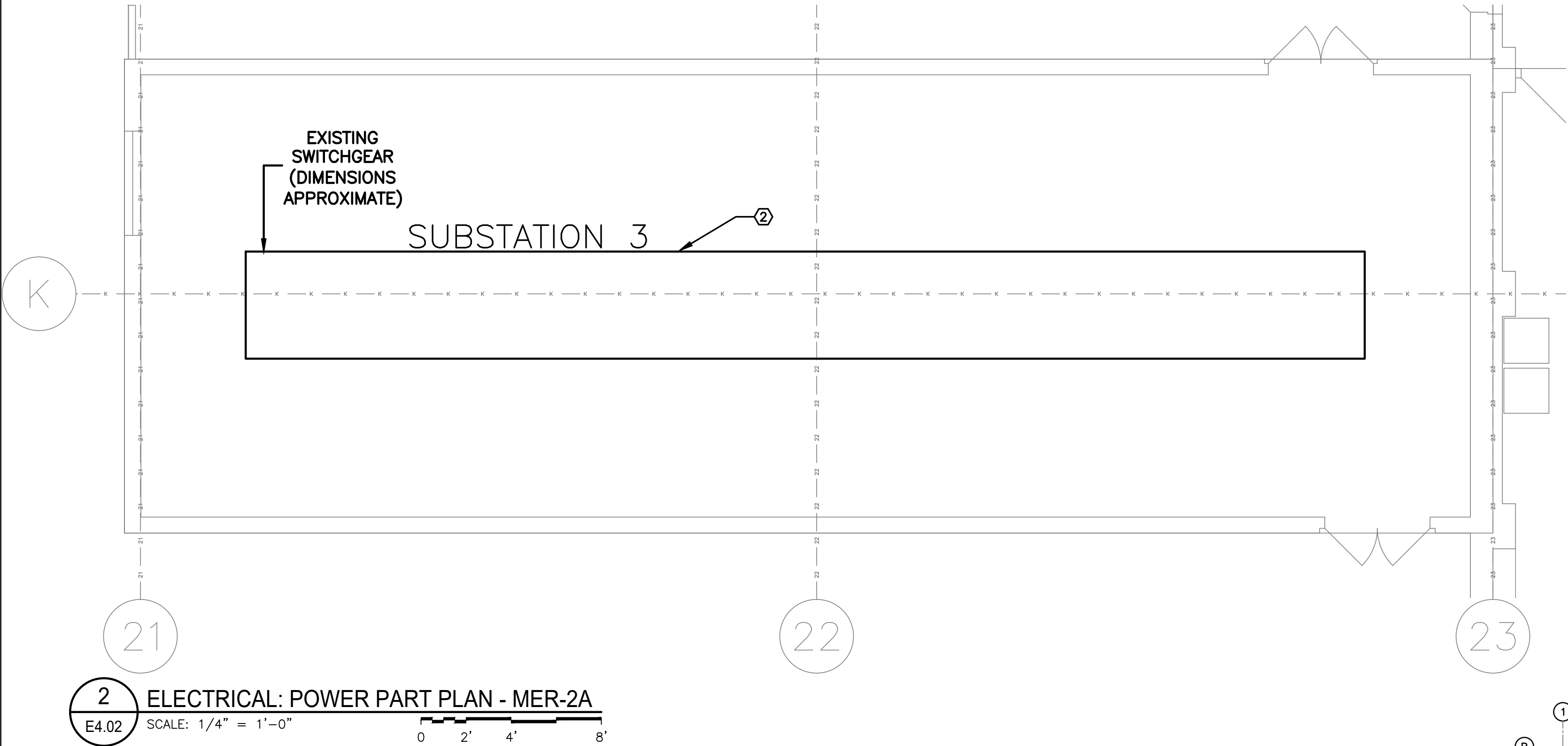
- GENERAL NOTES:**
- REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
 - EXISTING MCC6 IS SQUARE D MODEL 6 MOTOR CONTROL CENTER. PROVIDE BLANKS AS REQUIRED AFTER MODIFICATIONS.
 - CONDUIT PREVIOUSLY RE-LOCATED AS STATED IN DEMOLITION GENERAL NOTE 3 MUST REMAIN IN PLACE AS LONG AS IT DOES NOT CAUSE INTERFERENCE WITH THE NEW WORK INSTALLATION. IF INTERFERENCE IS ENCOUNTERED THIS CONDUIT MUST BE RELOCATED. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR PLACEMENT OF THIS CONDUIT.
 - MOTORS, VFDS, AND DISCONNECTS MUST BE PROVIDED BY THE MECHANICAL CONTRACTOR.
 - UNLESS OTHERWISE INDICATED PROVIDE PERMANENT LABELS ON MCC3 TO INDICATE NEW EQUIPMENT BEING SERVED
 - PANEL R3-4A IS LOCATED ON SHEET E1.06.
 - PANEL ER-4B HAS FIVE (5) SPACES. NEW DDC PANEL TO BE CONNECTED TO A NEW 20A-1P CIRCUIT BREAKER INSTALLED IN PANEL ER-4B, #40 VIA 2#12 + 1#12G IN 3/4" C. TOTAL LOAD ON CIRCUIT WILL BE 1.5KW.
- KEYNOTES:**
- WIRE NEW AHU-10 SUPPLY FAN TO MCC3 WITH 3#2+1#8GND - 1-1/4" C VIA SET MOUNTED VFD AND DISCONNECT SWITCH. PROVIDE NEW 125A 3P FUSED SWITCH TO REPLACE EXISTING. WIRING DOWNSTREAM OF VFD PROVIDED BY MECHANICAL CONTRACTOR.
 - WIRE NEW RETURN AIR FAN RAF-1 TO MCC3 WITH 3#8+1#10G - 3/4" C VIA SET MOUNTED VFD AND DISCONNECT SWITCH. WIRING AND CONDUIT TO VFD AND FROM VFD TO FAN BY ELECTRICAL CONTRACTOR. PROVIDE NEW 40A 3P FUSED SWITCH TO REPLACE EXISTING.
 - WIRE NEW HOT WATER CIRCULATION PUMP HWP-10 TO NEW CIRCUIT FED FROM EXISTING PANELBOARD ER-4B. PROVIDE 2#12 + #12G - 3/4" C. PROVIDE NEW THERMAL OVERLOAD SWITCH. REUSE 20A BREAKER IN EXISTING PANELBOARD ER-4B.
 - WIRE NEW CHILLED WATER PUMP CHWP-1 TO CIRCUIT PREVIOUSLY SERVING EXISTING PUMP FED FROM MCC3. PROVIDE 3#12 + #12G - 3/4" C. EXISTING 20A 3P FUSED SWITCH TO BE RE-USED. CONTRACTOR TO VERIFY FUSE RATING IN THE FIELD AND ENSURE FUSED SWITCH IS OPERATIONAL. CONTRACTOR TO ALLOW FOR A REPLACEMENT FUSED SWITCH IN THE EVENT OF BREAKER RATING DIFFERENT IN THE FIELD AND/OR EQUIPMENT FAILURE.
 - WIRE NEW HOT WATER UNIT HEATER UH-2-1 TO NEW CIRCUIT FED FROM EXISTING PANELBOARD R3-4A. PROVIDE 2#12 + #12G - 3/4" C. PROVIDE NEW THERMAL OVERLOAD SWITCH. REUSE EXISTING BREAKER IN EXISTING PANELBOARD R3-4A. CONTRACTOR TO VERIFY IN THE FIELD.
 - WIRE NEW HOT WATER UNIT HEATER UH-2-2 TO NEW CIRCUIT FED FROM EXISTING PANELBOARD R3-4A. PROVIDE 2#12 + #12G - 3/4" C. PROVIDE NEW DISCONNECT. REUSE EXISTING BREAKER IN EXISTING PANELBOARD R3-4A. CONTRACTOR TO VERIFY IN THE FIELD.
 - WIRE NEW HOT WATER UNIT HEATER UH-2-3 TO NEW CIRCUIT FED FROM EXISTING PANELBOARD R3-4A. PROVIDE 2#12 + #12G - 3/4" C. PROVIDE NEW DISCONNECT. REUSE EXISTING BREAKER IN EXISTING PANELBOARD R3-4A. CONTRACTOR TO VERIFY IN THE FIELD.
 - WIRE NEW HOT WATER UNIT HEATER UH-2-4 TO NEW CIRCUIT FED FROM EXISTING PANELBOARD R3-4A. PROVIDE 2#12 + #12G - 3/4" C. PROVIDE NEW DISCONNECT. REUSE EXISTING BREAKER IN EXISTING PANELBOARD R3-4A. CONTRACTOR TO VERIFY IN THE FIELD.
 - WIRE NEW EF-2-6 TO MCC3 WITH 3#12 + 1#12G - 1/2" C VIA DISCONNECT SWITCH. PROVIDE NEW 15A 3P FUSED SWITCH TO REPLACE EXISTING.
 - WIRE MOTORIZED DAMPER/SMOKE DAMPER FROM EXISTING PANELBOARD ER-4B. PROVIDE 2#12 + 1#12G - 1/2" C. PROVIDE NEW 20A-1P BREAKER IN EXISTING PANELBOARD ER-4B. PLEASE SEE MECHANICAL DRAWINGS FOR EXACT LOCATION AND FURTHER DETAILS.



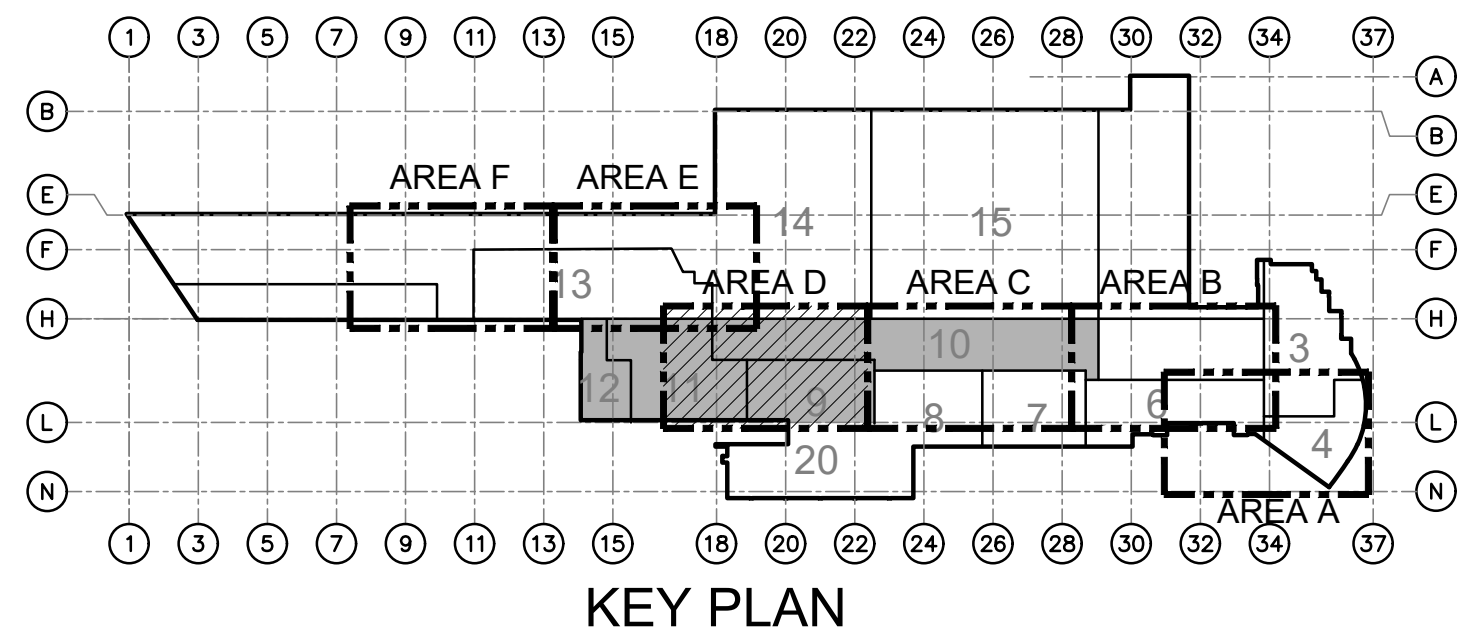
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UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405			
FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: POWER PART PLAN - MER-2			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY
			MICHAEL ROSELLI
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:	
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #
CHECK: AC		F2024113-E4.01	81 OF 110



1 ELECTRICAL: POWER PART PLAN - MER-1
E4.02 SCALE: 1/4" = 1'-0"



2 ELECTRICAL: POWER PART PLAN - MER-2A
E4.02 SCALE: 1/4" = 1'-0"



GENERAL NOTES:

- REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
- CONDUIT PREVIOUSLY RE-LOCATED AS STATED IN DEMOLITION GENERAL NOTE 3 MUST REMAIN IN PLACE AS LONG AS IT DOES NOT CAUSE INTERFERENCE WITH THE NEW WORK INSTALLATION. IF INTERFERENCE IS ENCOUNTERED THIS CONDUIT MUST BE RELOCATED. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR PLACEMENT OF THIS CONDUIT.
- MOTORS, VFDS, AND DISCONNECTS MUST BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- PANEL R3-4A IS LOCATED ON SHEET E1.06.

KEYNOTES:

- ① PROVIDE (1) NEW 200A BREAKER IN SUBSTATION 1 TO SERVE NEW PANEL P2-2A.
- ② PROVIDE (1) NEW 200A BREAKER IN SUBSTATION 3 TO SERVE NEW PANEL P2-4A.

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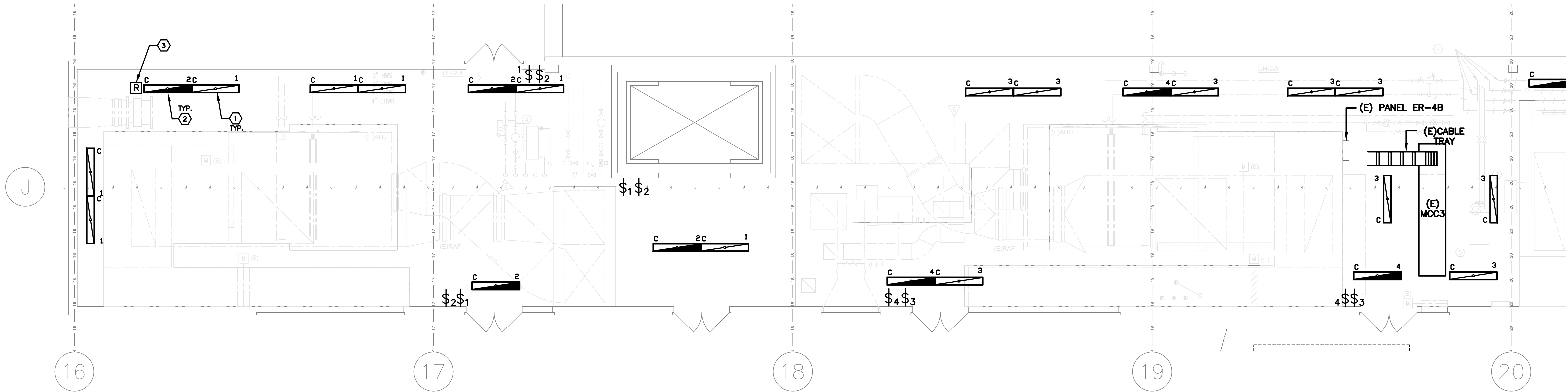
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UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

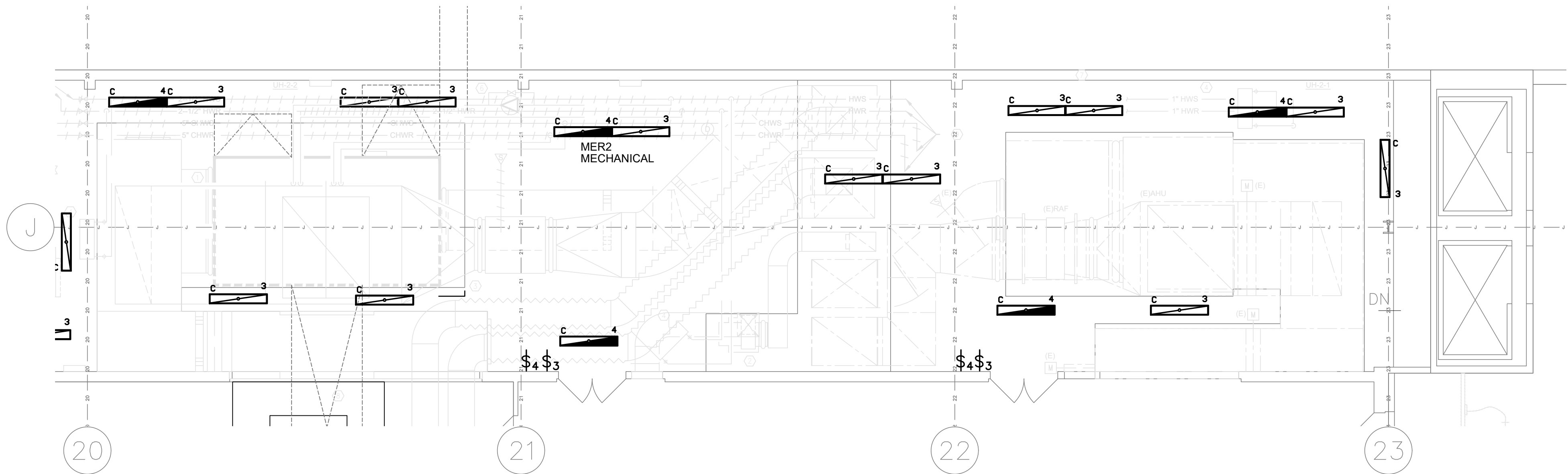
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: POWER
PART PLAN - MER-1 + MER-2A

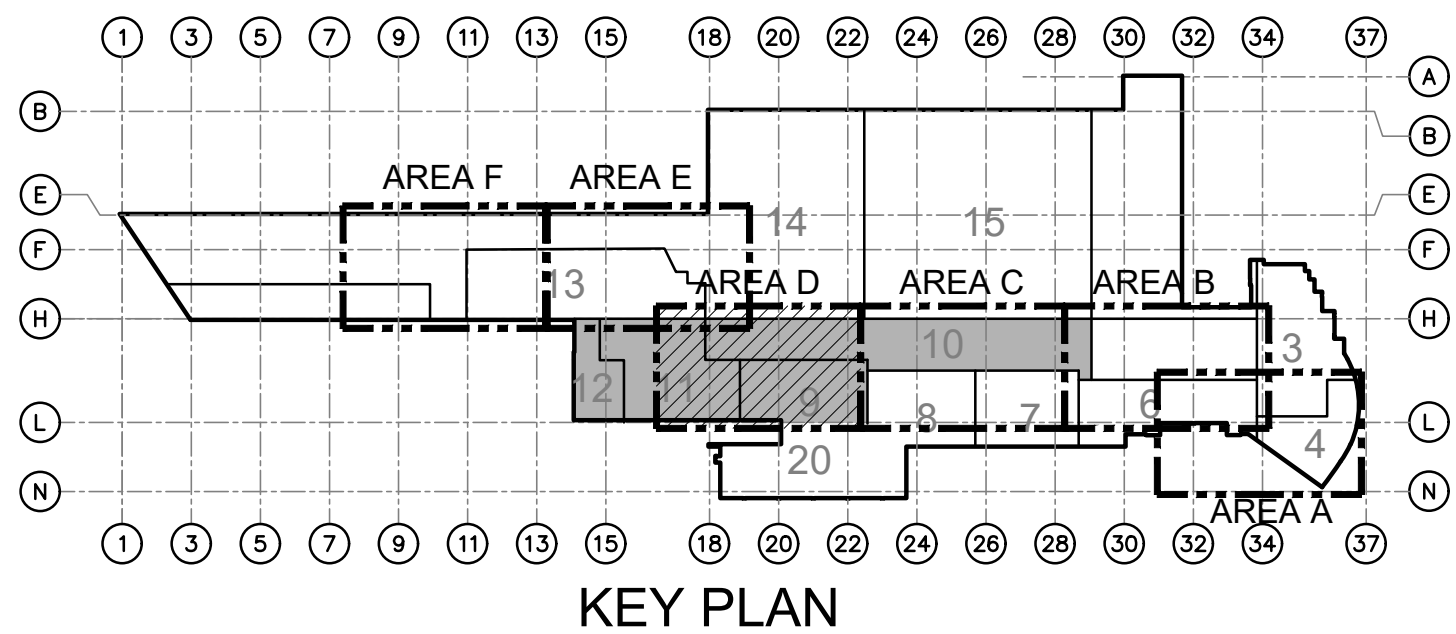
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			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #	
CHECK: AC		F2024113-E4.02	82 OF 110	



1 ELECTRICAL: LIGHTING PART PLAN - MER-2
E5.01 SCALE: 3/16" = 1'-0" 0 4' 8' 12



2 ELECTRICAL: LIGHTING PART PLAN - MER-2
E5.01 SCALE: 3/16" = 1'-0" 0 4' 8' 12



KEY PLAN

GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. PROVIDE NEW LED LIGHTING, SWITCHES, CONDUIT AND CABLING PER THE LAYOUT SHOWN.
3. CONDUIT PREVIOUSLY RE-LOCATED AS STATED IN DEMOLITION GENERAL NOTE 3 MUST REMAIN IN PLACE AS LONG AS IT DOES NOT CAUSE INTERFERENCE WITH THE NEW WORK INSTALLATION. IF INTERFERENCE IS ENCOUNTERED THIS CONDUIT MUST BE RELOCATED. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR PLACEMENT OF THIS CONDUIT.
4. RECONNECT EXISTING NORMAL AND EMERGENCY FEEDERS TO NEW LIGHTING AND SWITCHING SHOWN ON THIS PLAN.

KEYNOTES:

- ① CONNECT TO THE EXISTING LIGHTING CIRCUIT (NORMAL POWER) PRESENTLY SERVING THE EXISTING LIGHTING IN THIS AREA. VERIFY LOAD ON EXISTING CIRCUIT TO ENSURE LOAD DOES NOT EXCEED THE LOAD ALLOWED PER NEC.
- ② CONNECT TO THE EXISTING LIGHTING CIRCUIT (NORMAL/EMERGENCY POWER) PRESENTLY SERVING THE EXISTING LIGHTING IN THIS AREA. VERIFY LOAD ON EXISTING CIRCUIT TO ENSURE LOAD DOES NOT EXCEED THE LOAD ALLOWED PER NEC.
- ③ PROVIDE ONE (1) EMERGENCY UL924 BYPASS SHUNT RELAY FOR THE EMERGENCY CIRCUIT TO BYPASS SWITCH IN THE EVENT OF AN EMERGENCY. FINAL LOCATION OF RELAY TO BE COORDINATED IN THE FIELD.

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UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: LIGHTING PART PLAN - MER-2

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
DRAWN: DH	FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO. F2024113-E5.01		SHEET #
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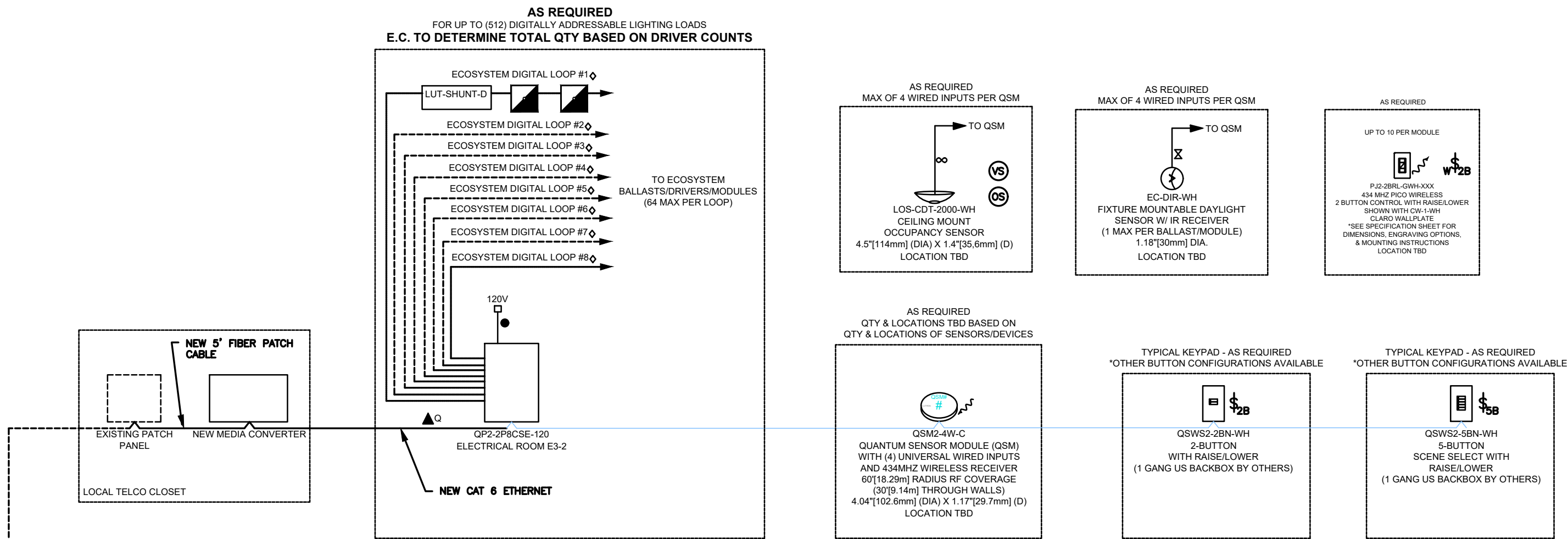
PANELBOARD: P2-2A (NEW)										VOLTS/PHASE: 480Y/277V, 3PH, 4W									
BUS AMPS: 200A										MAIN SIZE/TYPE: MLO									
Mounting: Surface										22 kAIC									
Location: Electrical Room E2-2																			
Ckt No	Description	AMPS/PHASE			Wire	Breaker Amp	P	P	Breaker Amp	Wire	AMPS/PHASE			Description	Ckt No				
		A	B	C							A	B	C						
1	VAV 11-3- 7&8	9.0			12	20	1	1	20	12	5.4			VAV 12-3- 7&11	2				
3	VAV 11-3- 2&6		19.9		10	25	1	1	25	10		18.1		VAV 12-2-3	4				
5	VAV 11-3- 4,&5			7.2	12	20	1	1	30	10			21.7	VAV 11-3- 3&9	6				
7	VAV 11-2-2	18.1			10	25	1	1	20	12	5.4			VAV 9-2-7	8				
9	VAV-11-2-8		5.4		12	20	1	1	30	10		21.7		VAV 12-2- 1&5	10				
11	VAV 12-3- 1&10			21.7	10	30	1	1	30	10			21.7	VAV 12-2- 2&6	12				
13	VAV 9-2-4	18.1			10	25	1	1	20	12	10.8			VAV 12-2-4	14				
15	VAV 9-2-3		18.1		10	25	1	1	20	12		14.4		VAV-12-2- 7&8	16				
17	VAV 12-3- 4&5			21.7	10	30	1	1	20	12			7.2	VAV-12-2- 9&10	18				
19	VAV 12-3-3	18.1			10	25	1	1	20	12	10.8			VAV-11-2- 9,10&11	20				
21	VAV 12-3- 6&8		5.4		12	20	1	1	25	10		18.1		VAV-11-2-3	22				
23	VAV 12-3- 2&9			21.7	10	30	1	1	20	12			7.2	VAV-11-2- 6&7	24				
25	VAV 11-3-1	16.2			10	25	1	1	30	10	23.5			VAV-11-2- 1&5	26				
27	SPARE					20	1	1	20	12		12.6		VAV-10-2-5 + VAV-11-2-4	28				
29	SPARE					20	1	1	20	12			7.2	VAV-9-2- 8&9	30				
31	SPARE					20	1	1	20					SPARE	32				
33	SPARE					20	1	1	20					SPARE	34				
35	SPARE					20	1	1	20					SPARE	36				
37	SPARE					20	1	1	20					SPACE	38				
39	SPARE					20	1	1	20					SPARE	40				
41	SPARE					20	1	1	20					SPARE	42				
SUBTOTAL		79.4	48.7	72.2							54.2	84.8	61.4	SUBTOTAL					
TOTAL NEW PHASE A - AMPS		135			Load	Conn. Amps (3 PH)		DF	Load	Conn. Amps (3 PH)		DF	TOTAL NEW DEMAND (3 PHASE)						
					Cooling	0.0		1.00	Refrigeration	0.0		1.00							
TOTAL NEW PHASE B - AMPS		134			Heating	135.6		1.00	Sign/Display	0.0		1.25							
					Lighting	0.0		1.00	Kitchen	0.0		0.65							
TOTAL NEW PHASE C - AMPS		138			Recs.	0.0		1.00	Exist.	0.0		1.00							
					Motors	0.0		1.00	Large Motor	0.0		1.25							
TOTAL NEW PNBD - AMPS		136			Supp. Heat	0.0		1.00	Show Window	0.0		1.25	136 A						
					Misc. Equip.	0.0		1.00	Ltg Track	0.0		1.00							

PANELBOARD: P2-4A (NEW)										VOLTS/PHASE: 480Y/277V, 3PH, 4W									
BUS AMPS: 200A										MAIN SIZE/TYPE: MLO									
Mounting: Surface										22 kAIC									
Location: Electrical Room E2-4																			
Ckt No	Description	AMPS/PHASE			Wire	Breaker Amp	P	P	Breaker Amp	Wire	AMPS/PHASE			Description	Ckt No				
		A	B	C							A	B	C						
1	VAV 10-3-4	19.9			10	25	1	1	20	12	12.6		VAV 9-1- 1,2,3&4	2					
3	VAV 10-3-3		18.1		10	25	1	1	20	12		14.4	VAV 10-1-1	4					
5	VAV 10-3-1			16.2	10	25	1	1	20	12			VAV 11-1-1	6					
7	VAV 9-3- 9&10	7.2			12	20	1	1	25	10	18.1		VAV 9-3-2	8					
9	VAV-9-3-4		18.1		10	25	1	1	25	10		18.1	VAV 9-2-1	10					
11	VAV-9-3-3			18.1	10	25	1	1	25	10			VAV 9-2- 2&6	12					
13	VAV 9-3-8	7.2			12	20	1	1	20	12	5.4		VAV 9-2-5	14					
15	SPARE				20	1	1	1	20	12		10.8	VAV 10-2-4	16					
17	SPARE				20	1	1	1	20	12			VAV 10-2-3	18					
19	VAV 10-2-1	10.8			12	20	1	1	20	12	10.8		VAV 10-2-2	20					
21	SPARE				20	1	1	1	25	10		18.1	VAV 10-3-2	22					
23	SPARE				20	1	1	1	30	10			VAV 9-3- 1&5	24					
25	SPARE				20	1	1	1	20	12	7.2		VAV 9-3- 6&7	26					
27	SPARE				20	1	1	1	20				SPARE	28					
29	SPARE				20	1	1	1	20				SPARE	30					
SUBTOTAL		43.3	36.1	34.3							54.2	61.4	61.4	SUBTOTAL					
TOTAL NEW PHASE A - AMPS		99			Load	Conn. Amps (3 PH)		DF	Load		Conn. Amps (3 PH)		DF	TOTAL NEW DEMAND (3 PHASE)					
					Cooling	0.0		1.00	Refrigeration		0.0		1.00						
TOTAL NEW PHASE B - AMPS		97			Heating	97.3		1.00	Sign/Display		0.0		1.25						
					Lighting	0.0		1.00	Kitchen		0.0		0.65						
TOTAL NEW PHASE C - AMPS		96			Recs.	0.0		1.00	Exist.		0.0		1.00						
					Motors	0.0		1.00	Large Motor		0.0		1.25						
TOTAL NEW PNBD - AMPS		97			Supp. Heat	0.0		1.00	Show Window		0.0		1.25	97 A					
					Misc. Equip.	0.0		1.00	Ltg Track		0.0		1.00						

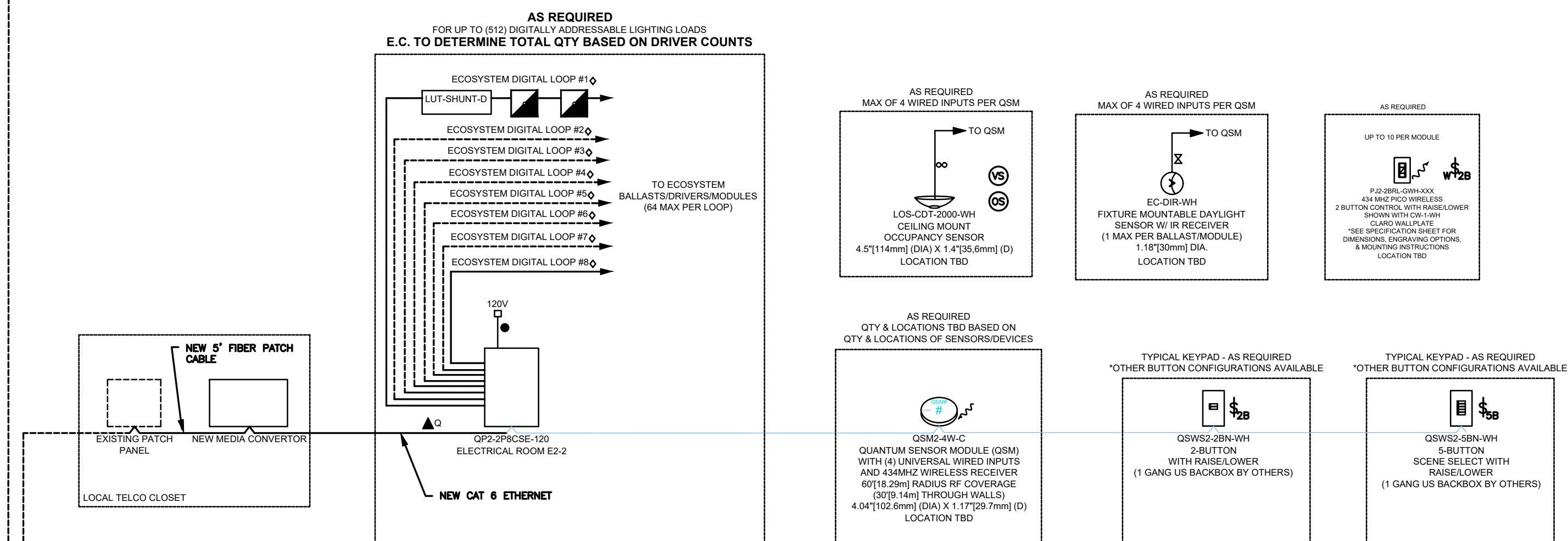
GENERAL NOTES:

1. REFER TO DRAWING E0.00 FOR ADDITIONAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. BOLD LOAD INFORMATION INDICATES NEW CIRCUIT.
3. BOLD CIRCUIT BREAKER AND POLE RATINGS INDICATES NEW CIRCUIT BREAKER TO BE PROVIDED.
4. FOR #12 CONDUCTORS, PROVIDE #12 GROUND. FOR #10 CONDUCTORS, PROVIDE #10 GROUND.

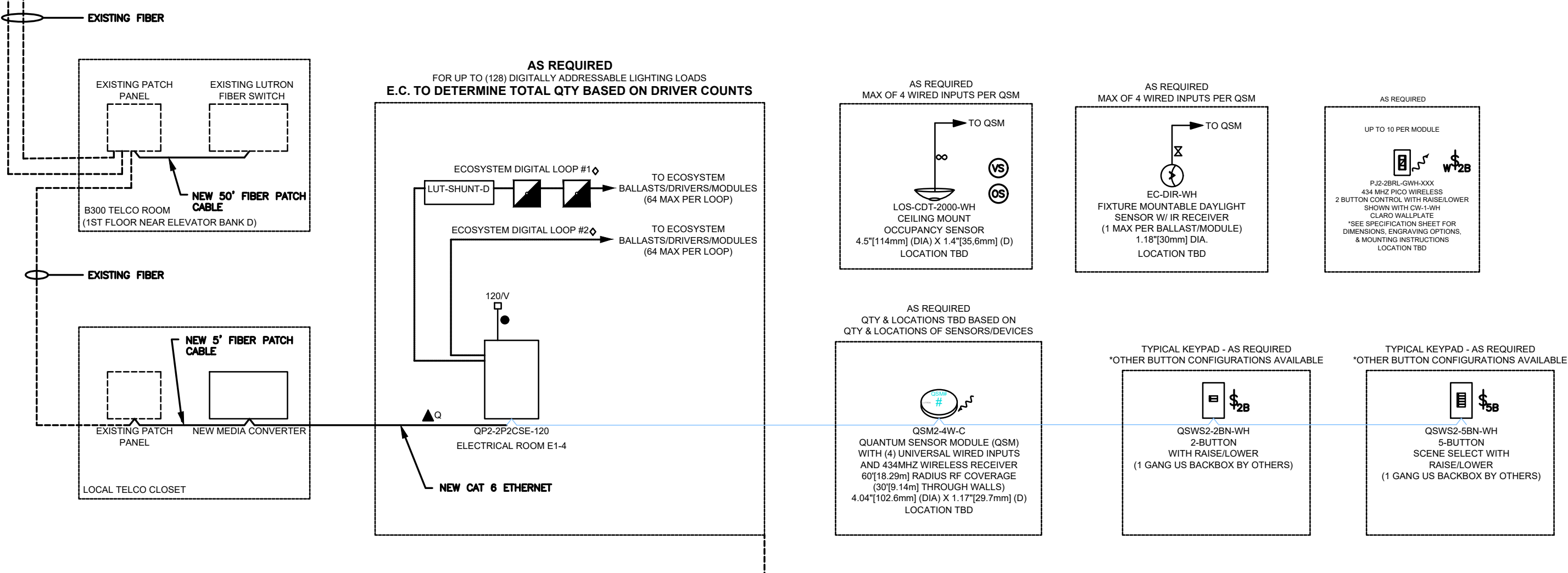
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UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
FACILITY BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT					
PANEL SCHEDULES					
REVIEWED BY	SUBMITTED BY		DATE	APPROVED BY	DATE
				MICHAEL ROSELLI	
	DESIGN: SM		ISSUED BY:	DATE: 09/06/2024 JCN:	
APPROVAL (FINISHES)	DRAWN: DH		FACILITY SERVICES & ENGINEERING DIVISION	DRAWING NO.	SHEET #
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FEDERAL AVIATION ADMINISTRATION - BUILDING 300 THIRD FLOOR



FEDERAL AVIATION ADMINISTRATION - BUILDING 300 SECOND FLOOR



FEDERAL AVIATION ADMINISTRATION - BUILDING 300 FIRST FLOOR

1 TYPICAL LIGHTING CONTROL DIAGRAM
E7.01 SCALE: NTS

NOTE:

- NEW LUTRON ECOSYSTEM LIGHTING CONTROLS MUST BE CONNECTED BACK INTO THE EXISTING LUTRON LIGHTING CONTROL SYSTEM IN BUILDING 300. THESE MUST BE PROGRAMMED INTO THE EXISTING LUTRON QUANTUM VUE SOFTWARE ON THE EXISTING QUANTUM SERVER IN B316. CONTRACTOR TO OBTAIN NEXT AVAILABLE IP ADDRESSES FROM FAA.
- COORDINATE WITH OWNER FOR CONNECTIONS TO EXISTING PATCH PANELS
- THE ELECTRICAL CONTRACTOR MUST BE RESPONSIBLE FOR PATCH CABLES, MEDIA CONVERTERS AND ANY NETWORK RELATED EQUIPMENT UPSTREAM OF THE LUTRON BRANDED EQUIPMENT (OP2 MODULE)
- THE ELECTRICAL CONTRACTOR MUST VERIFY AVAILABLE NETWORK PORTS ON EXISTING FIBER SWITCH AND PROVIDE AN ADDITIONAL FIBER SWITCH IF NECESSARY.
- INCLUDE FOR 2 SITE LIGHTING CONTROL SYSTEM OPTIMIZATION VISITS BY FACTORY CERTIFIED TECHNICIAN. THIS IS TO COVER THE LUTRON SYSTEM INSTALLATION ACROSS THE WHOLE BUILDING, NOT JUST THE AREA COVERED BY THIS SCOPE.

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	LAMPS NO.	TYPE	VOLTS	MOUNTING	WATTAGE	REMARKS
A	ELITE LIGHTING 22-FPL1-LED-3000L-LUTH-MVOLT-40K-85 OR APPROVED EQUAL		LED	277	RECESSED	30	PROVIDE FIXTURE WITH LUTRON ECOSYSTEM LED DRIVER
B	ELITE LIGHTING 22-FPL1-LED-4000L-LUTH-MVOLT-40K-85 OR APPROVED EQUAL		LED	277	RECESSED	39	PROVIDE FIXTURE WITH LUTRON ECOSYSTEM LED DRIVER
C	VISCOR VRSE-3556-48-LED-8-35K-048L-UNV OR APPROVED EQUAL		LED	UNV	PENDANT	53	PROVIDE FIXTURE WITH ADJUSTABLE CHAIN SET.

2 LIGHTING FIXTURE SCHEDULE
E7.01 SCALE: NTS

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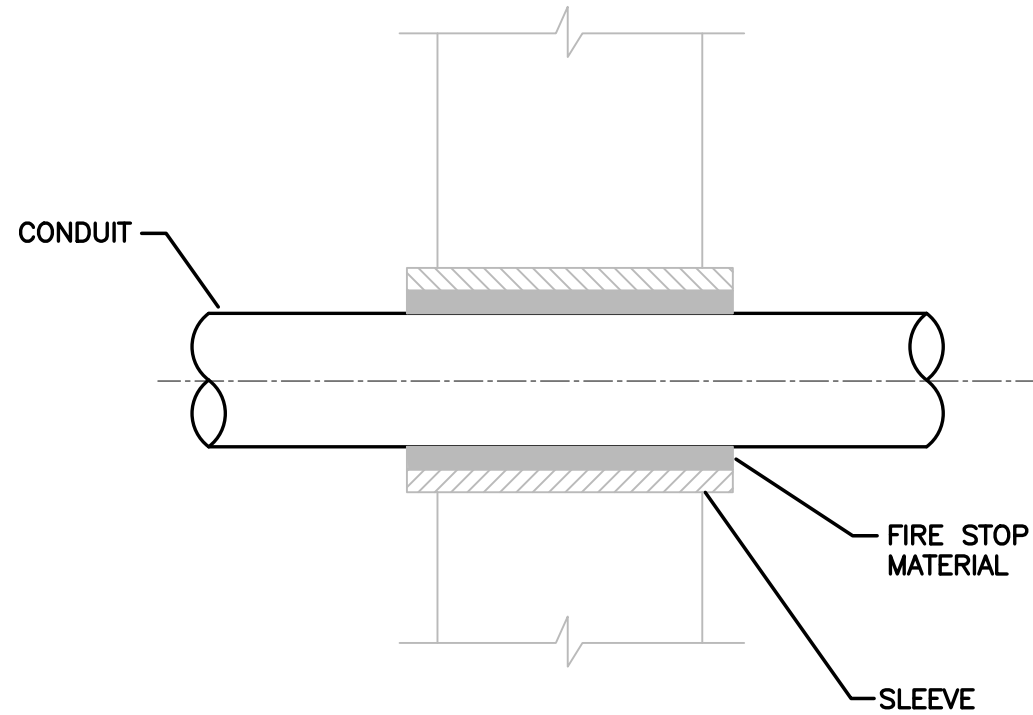
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FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

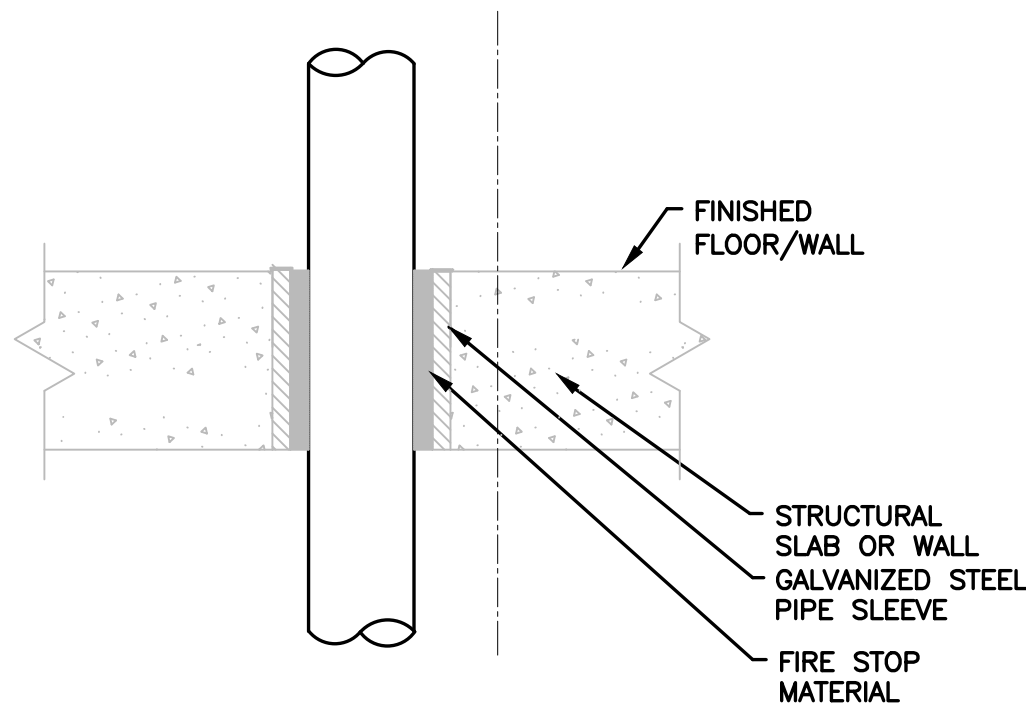
FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT

ELECTRICAL: DETAILS-1

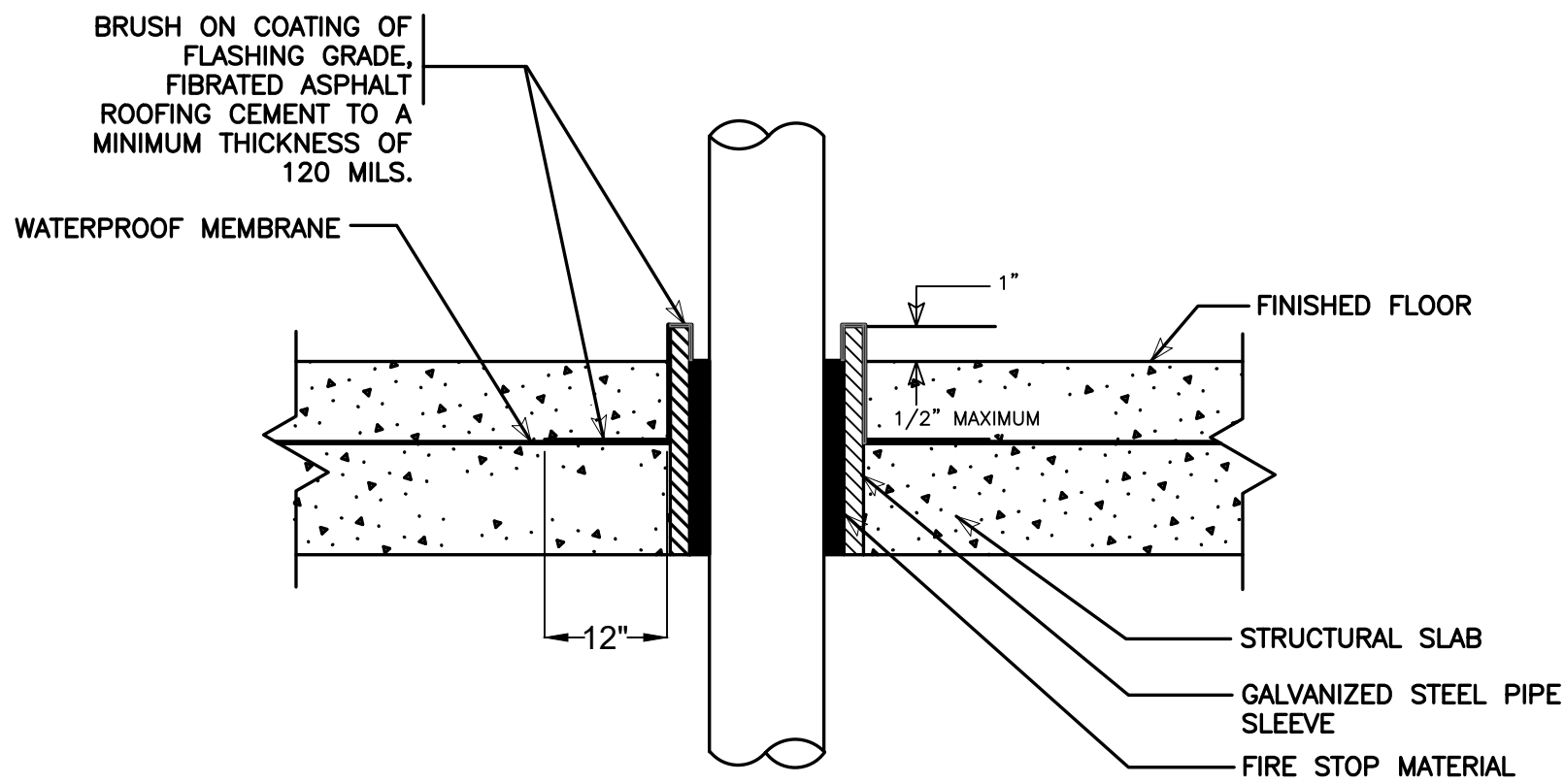
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			MICHAEL ROSELLI	
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024 JCN:		
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CHECK: AC				87 OF 110



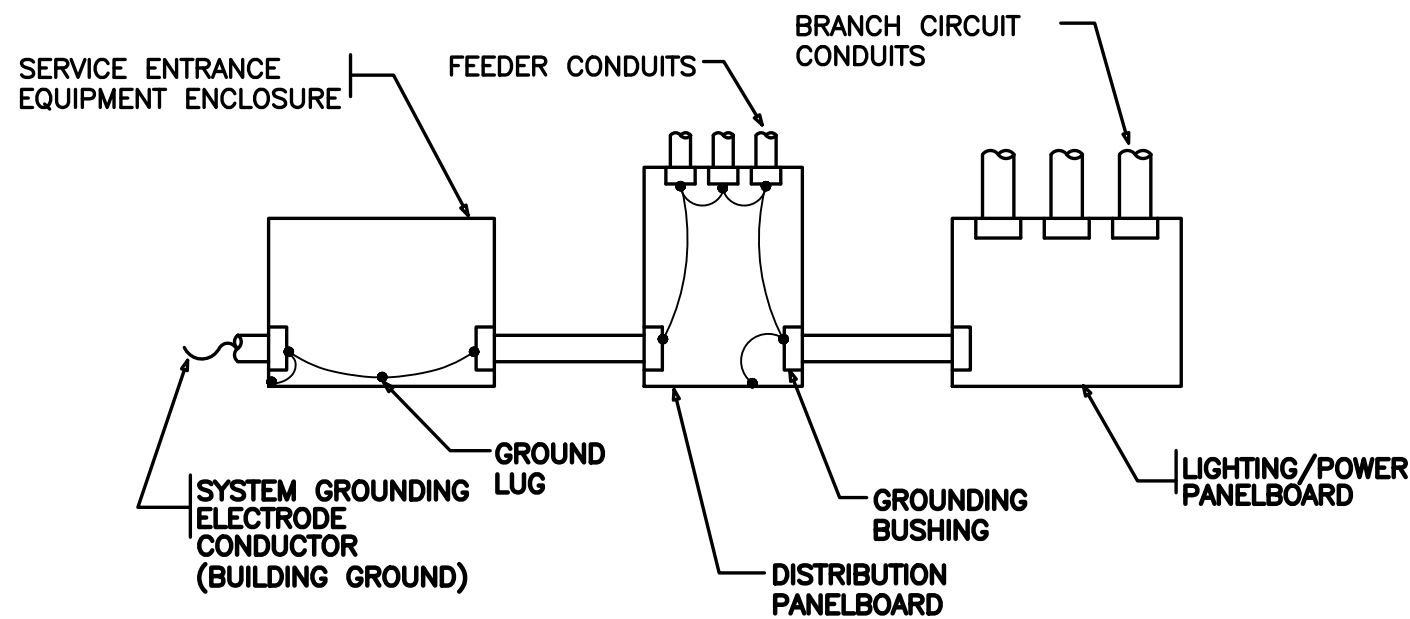
1 CONDUIT PENETRATION IN FIRE RATED WALL/SLAB
E7.02 SCALE: NTS



2 CONDUIT PENETRATION IN FIRE RATED
GWB OR PLASTER PARTITION
E7.02 SCALE: NTS



3 CONDUIT PENETRATION IN WATERPROOF SLAB
E7.02 SCALE: NTS



4 RACEWAY/EQUIPMENT GROUNDING SYSTEM
E7.02 SCALE: NTS

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UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA) ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
FACILITY BUILDING 300–HVAC UNITS 9,10,11&12 REPLACEMENT					
ELECTRICAL: DETAILS–2					
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE	
			MICHAEL ROSELLI		
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024	JCN:		
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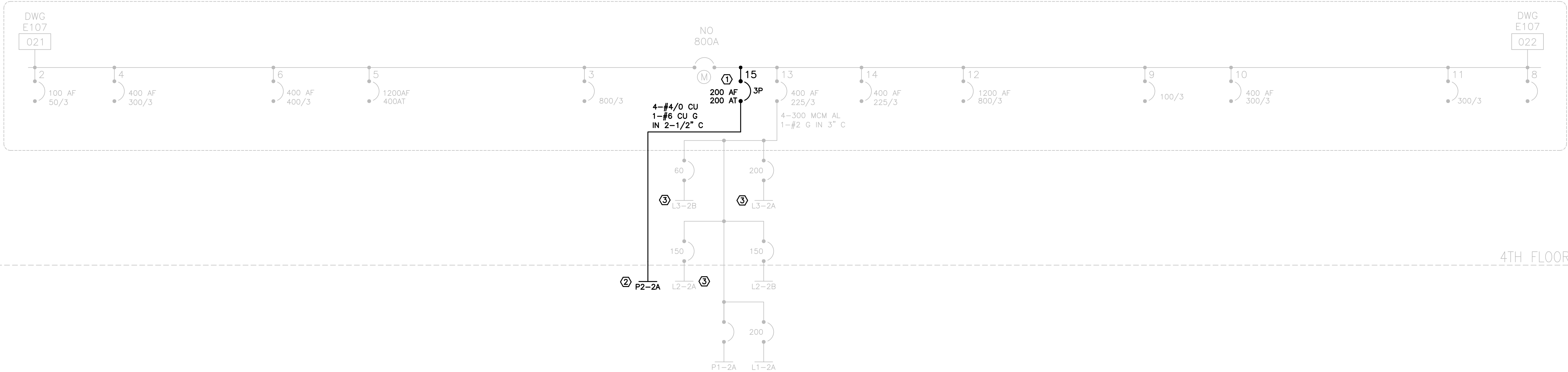
GENERAL NOTES:

1. EXISTING SERVICES ARE SHOWN IN A LIGHTER TONE. NEW SERVICES ARE SHOWN IN A BOLD LINE.

KEY NOTES:

- ① PROVIDE NEW 200A BREAKER IN AVAILABLE 4.5" (H) SPACE IN EXISTING SWITCHBOARD. PROVIDE JJA36200 BREAKER FROM SQUARE D.
- ② PROVIDE NEW 200A PANELBOARD P2-2A IN EXISTING ELECTRICAL ROOM E2-2. PROVIDE NEW NF PANELBOARD BY SQUARE D.
- ③ EXISTING PANELS DENOTED SHALL BE REUSED TO PROVIDE NEW CIRCUITS – REFER TO PANELBOARD SCHEDULES FOR FURTHER INFORMATION

SUBSTATION NO. 1



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FACILITY BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT			
ELECTRICAL: PARTIAL SINGLE LINE DIAGRAM SUBSTATION 1			
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY
			MICHAEL ROSELLI
DESIGN: SM	ISSUED BY:	DATE: 09/06/2024	JCN:
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1. EXISTING SERVICES ARE SHOWN IN A LIGHTER TONE. NEW SERVICES ARE SHOWN IN A BOLD LINE.

- ① PROVIDE NEW 200A BREAKER IN AVAILABLE 4.5" (H) SPACE IN EXISTING SWITCHBOARD. PROVIDE JJA36200 BREAKER FROM SQUARE D.
- ② PROVIDE NEW 200A PANELBOARD P2-4A IN EXISTING ELECTRICAL ROOM E2-4. PROVIDE NEW NF PANELBOARD BY SQUARE D
- ③ EXISTING PANELS DENOTED SHALL BE REUSED TO PROVIDE NEW CIRCUITS - REFER TO PANELBOARD SCHEDULES FOR FURTHER INFORMATION

2ND FLOOR

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UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER FOR ADVANCED AEROSPACE (WJHTCAA)
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

	FACILITY
BUILDING 300-HVAC UNITS 9,10,11&12 REPLACEMENT	

ELECTRICAL: PARTIAL SINGLE LINE DIAGRAM
SUBSTATION 3

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		CHECK: AC			F2024113-E8.02		SHEET # 90 OF 110

SHEET #
90 OF 110

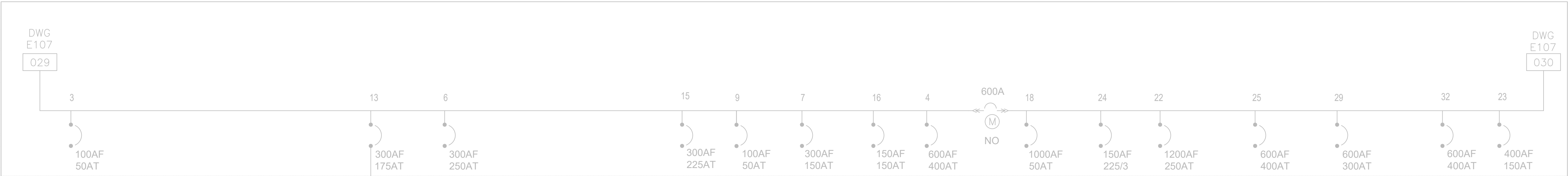
GENERAL NOTES:

1. EXISTING SERVICES ARE SHOWN IN A LIGHTER TONE. NEW SERVICES ARE SHOWN IN A BOLD LINE.

KEY NOTES:

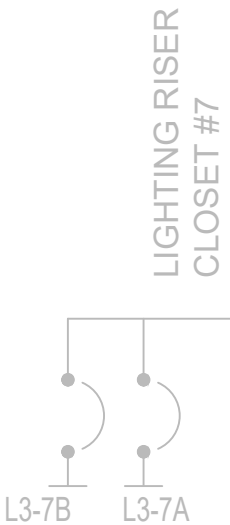
- ① NOT USED
- ② NOT USED
- ③ EXISTING PANELS DENOTED SHALL BE REUSED TO PROVIDE NEW CIRCUITS – REFER TO PANELBOARD SCHEDULES FOR FURTHER INFORMATION

SUBSTATION NO. 5



4TH FLOOR

4TH FLOOR



3RD FLOOR

3RD FLOOR

2ND FLOOR

2ND FLOOR



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ELECTRICAL: PARTIAL SINGLE LINE DIAGRAM SUBSTATION 5					
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1. EXISTING SERVICES ARE SHOWN IN A LIGHTER TONE. NEW SERVICES ARE SHOWN IN A BOLD LINE.

① NOT USED

② NOT USED

③ EXISTING PANELS DENOTED SHALL BE REUSED TO PROVIDE NEW CIRCUITS – REFER TO PANELBOARD SCHEDULES FOR FURTHER INFORMATION

