

MATCHLINE - SEE DRAWING EP102 FOR CONTINUATION

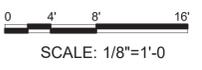
1 RECEPTACLE FLOOR PLAN
1/8" = 1'-0"

NOTES

- FOR ADDITIONAL NOTES, SYMBOLS AND ABBREVIATIONS SEE DRAWING E-001.
- ALL RECEPTACLES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE ALL RECEPTACLES SHALL USE #12 AWG WIRE AND GROUND.
- UNLESS NOTED OTHERWISE, ALL RECEPTACLES SHOWN SHALL BE CIRCUITED VIA POWER PANEL PP-PD. SEE PANEL SCHEDULE ON DRAWING EP603 FOR ADDITIONAL INFORMATION.
- FOR RECEPTACLES SHOWN TO BE TURNED ON/OFF VIA OCCUPANCY SENSORS, SEE DRAWING EP501 FOR TYPICAL WIRING DIAGRAM.
- CONTRACTOR SHALL COORDINATE ALL RECEPTACLE EXACT LOCATIONS WITH NOTES ON DRAWING IF001.
- RECEPTACLES TO BE USED FOR "TV" POWER (TV) SHALL BE RECESSED MOUNTED 6"-0" A.F.F..
- UNLESS NOTED OTHERWISE, ALL ROUND FLOOR MOUNTED RECEPTACLES (RECESSED) SHALL BE NON-COMBINATION 120 VOLT POWER OUTLETS ONLY.
- FOR ROUND FLOOR MOUNTED RECEPTACLES (RECESSED) REQUIRING DATA OUTLETS, COORDINATE WITH IT DRAWINGS.

KEY NOTES

- WORK TABLE WITH BACKSPASH. (19A) SEE DRAWING EP403 FOR ADDITIONAL INFORMATION. POWER FOR THESE 3 RECEPTACLES COME FROM PP-BK.
- UNLESS NOTED OTHERWISE ALL RECEPTACLES IN ASSEMBLY AREA 1019 AND CLASSROOM 1018 SHALL BE CIRCUITED VIA PANEL PP-PC.
- QUAD RECEPTACLE FOR PA SYSTEM. COORDINATE EXACT LOCATION OF PA SYSTEM COMPONENTS WITH DATA DRAWINGS. POWER FOR RECEPTACLE IS VIA PP-PC.
- POWER OUTLETS FOR VENDING MACHINES.
- RECESSED FLOOR BOX REQUIRES COMBINATION 120 VOLT OUTLET AND TELECOM / DATA PORTS.



MARK	REVISION	DATE	DESCRIPTION
5	Revision 5 (CORRECTED FINAL)	Date 5	
3	Revision 3 (INTERIM)	Date 4	

DESIGNED BY: KC	ISSUE DATE:
DRAWN BY: JC	SOLICITATION NO.:
CHECKED BY: DF	CONTRACT NO.:
SUBMITTED BY:	W81328-XX-X-XXXX
SIZE: ANSI	OPTION FIELD 2
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	
SAVIN ENGINEERS P.C. 3 CAMPUS DRIVE PLEASANTVILLE, NY 10570	

UNITED STATES ARMY RESERVE CENTER
ORANGEBURG, NEW YORK

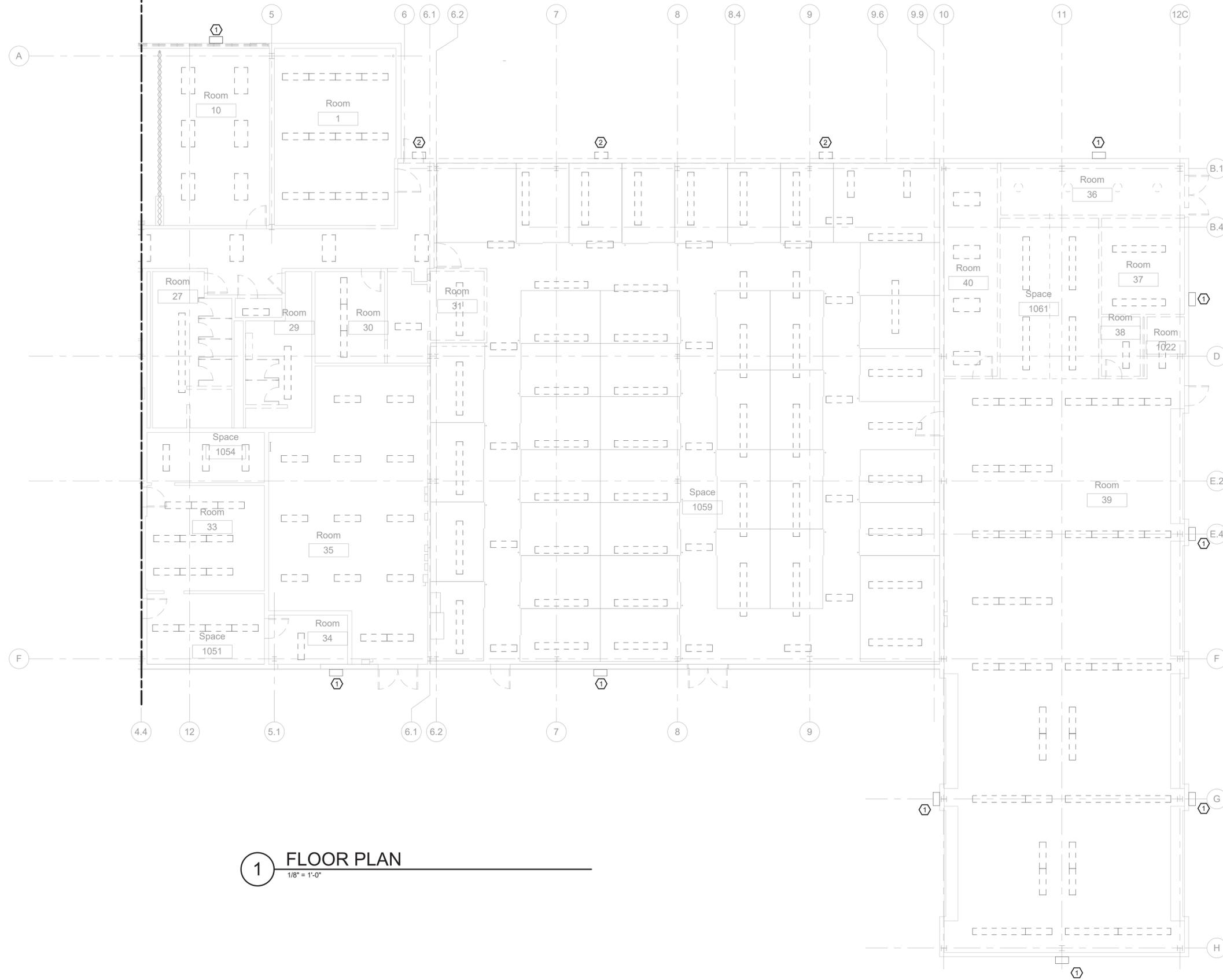
ELECTRICAL
RECEPTACLE POWER PLAN - AREA "A"

SHEET ID
EP101

CORRECTED FINAL SUBMISSION JULY 29, 2021

P
N
M
L
K
J
H
G
F
E
D
C
B
A

MATCHLINE - SEE DRAWING ED104 FOR CONTINUATION



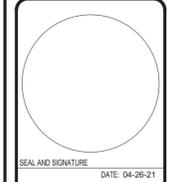
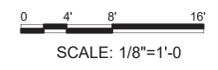
1 FLOOR PLAN
1/8" = 1'-0"

NOTES

1. FOR ADDITIONAL NOTES, SYMBOLS AND ABBREVIATIONS SEE DRAWING E-001.
2. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL DISCONNECT AND REMOVE ALL LIGHT FIXTURES, EXIT UNITS, EMERGENCY LIGHTING UNITS, SWITCHES, CONDUIT AND WIRE. CONDUIT AND WIRE TO BE REMOVED BACK TO POWER SOURCE.
3. ALL FLUORESCENT, EXIT AND EMERGENCY FIXTURE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF LEGALLY. ALL EXISTING LED FIXTURES SHALL BE CAREFULLY PACKAGED AND TURNED OVER TO THE FACILITY OWNER.
4. ALL EXISTING EXTERIOR ROADWAY AND PARKING LOT POLE MOUNTED LIGHTING, INCLUDING ALL EXISTING POWER CIRCUITS AND CONTROLS, SHALL REMAIN AND BE REUSED.

KEYNOTES

1. EXISTING PERIMETER WALL MOUNTED LIGHTING FIXTURES TO REMAIN AND BE REUSED. EXISTING CIRCUITING (CONDUIT AND WIRE) AND LIGHTING CONTROLS SHALL REMAIN AND BE REUSED.
2. EXISTING PERIMETER WALL MOUNTED LIGHTING FIXTURE TO BE DISCONNECTED, REMOVED AND RELOCATED. EXTEND EXISTING CIRCUITING AS NECESSARY FOR NEW LOCATION (SEE DWG EL-101b).
3. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE EXISTING POLE, FOUNDATION AND FLOOD LIGHTING FIXTURES DURING CONSTRUCTION OF NEW ADDITION.



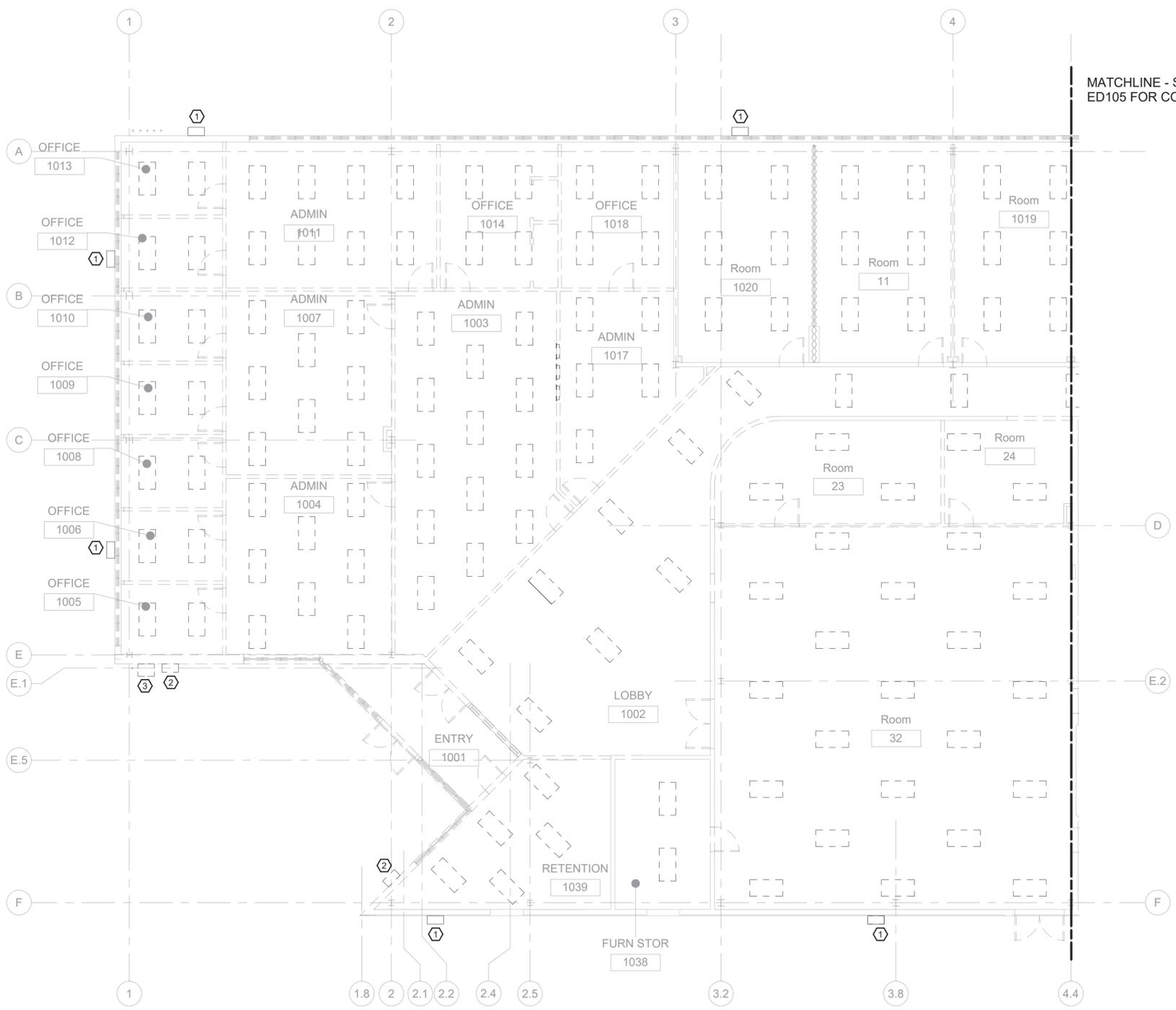
MARK	DESCRIPTION	DATE

DESIGNED BY: KC	ISSUE DATE:
DRAWN BY: JC	SOLICITATION NO.: W812Q2R0R038
CHECKED BY: DF	CONTRACT NO.: W81328-XX-X-XXX
SUBMITTED BY:	
SIZE: ANSI D	OPTION FIELD 2
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	
3 CAMPUS DRIVE PLEASANTVILLE, NY 10570	

UNITED STATES ARMY RESERVE CENTER
ORANGEBURG, NEW YORK

ELECTRICAL
LIGHTING DEMOLITION PLAN - AREA "B"

SHEET ID
ED105



MATCHLINE - SEE DRAWING ED105 FOR CONTINUATION

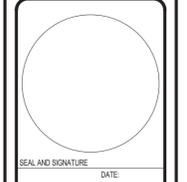
1 FLOOR PLAN
1/8" = 1'-0"

NOTES

- FOR ADDITIONAL NOTES, SYMBOLS AND ABBREVIATIONS SEE DRAWING E-001.
- UNLESS NOTED OTHERWISE, CONTRACTOR SHALL DISCONNECT AND REMOVE ALL LIGHT FIXTURES, EXIT UNITS, EMERGENCY LIGHTING UNITS, SWITCHES, CONDUIT AND WIRE. CONDUIT AND WIRE TO BE REMOVED BACK TO POWER SOURCE.
- ALL FLUORESCENT, EXIT AND EMERGENCY FIXTURES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF LEGALLY. ALL EXISTING LED FIXTURES SHALL BE CAREFULLY PACKAGED AND TURNED OVER TO THE FACILITY OWNER.
- ALL EXISTING EXTERIOR ROADWAY AND PARKING LOT CIRCUITING AND CONTROLS SHALL REMAIN AND BE REUSED

KEYNOTES

- EXISTING PERIMETER WALL MOUNTED LIGHTING FIXTURES TO REMAIN AND BE REUSED. EXISTING CIRCUITING (CONDUIT AND WIRE) AND LIGHTING CONTROLS SHALL REMAIN AND BE REUSED.
- EXISTING PERIMETER WALL MOUNTED LIGHTING FIXTURE TO BE DISCONNECTED, REMOVED AND RELOCATED. EXTEND EXISTING CIRCUITING AS NECESSARY FOR NEW LOCATION (SEE DWG EL-101).
- EXISTING FLAG POLE FLOOD LIGHT TO BE DISCONNECTED, REMOVED AND RELOCATED TO NEW FLAG POLE LOCATION. EXTEND EXISTING CIRCUITING AS NECESSARY.



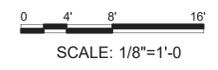
MARK	DESCRIPTION	DATE

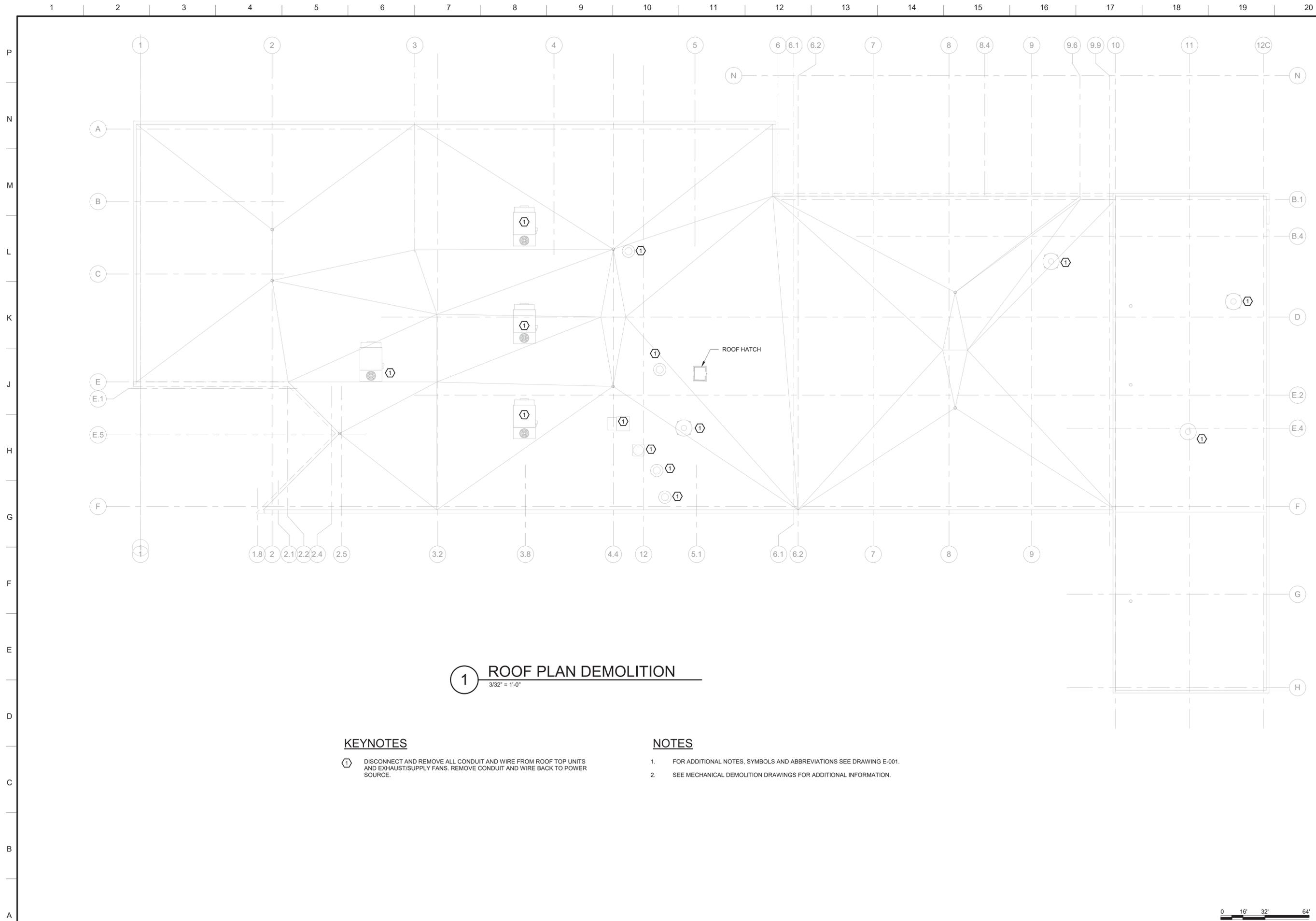
DESIGNED BY: KC	ISSUE DATE:
DRAWN BY: JC	SOLICITATION NO.:
CHECKED BY: DF	W812020R0038
SUBMITTED BY:	CONTRACT NO.:
SIZE:	W81328-XX-X-XXX
ANSI	OPTION FIELD 2
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	
SAVIN ENGINEERS P.C. 3 CAMPUS DRIVE PLEASANTVILLE, NY 10570	

UNITED STATES ARMY RESERVE CENTER
ORANGEBURG, NEW YORK

ELECTRICAL
LIGHTING DEMOLITION PLAN - AREA "A"

SHEET ID
ED104





KEYNOTES

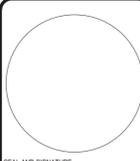
① DISCONNECT AND REMOVE ALL CONDUIT AND WIRE FROM ROOF TOP UNITS AND EXHAUST/SUPPLY FANS. REMOVE CONDUIT AND WIRE BACK TO POWER SOURCE.

NOTES

1. FOR ADDITIONAL NOTES, SYMBOLS AND ABBREVIATIONS SEE DRAWING E-001.
2. SEE MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.



US Army Corps of Engineers®



SEAL AND SIGNATURE DATE

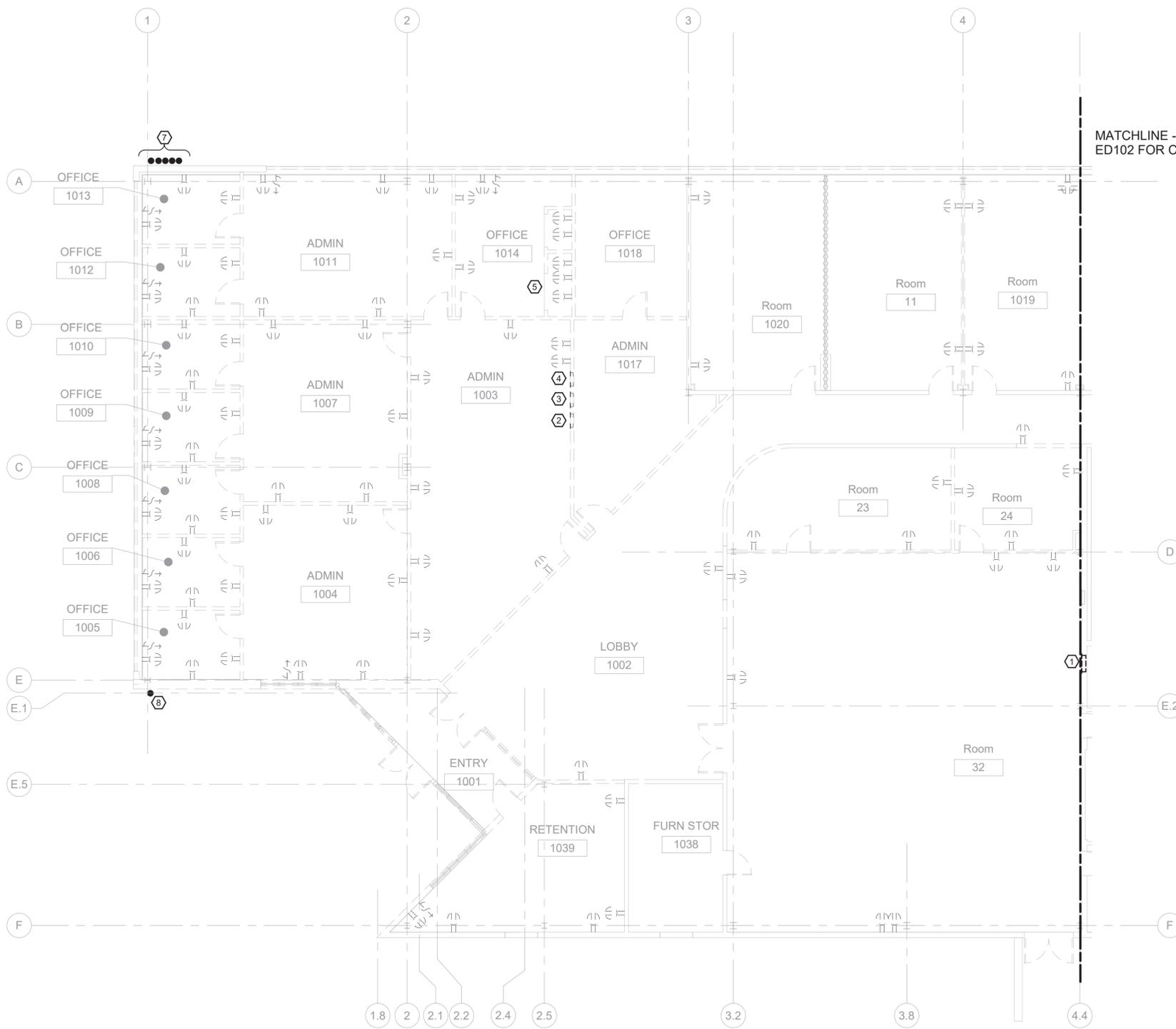
MARK	DESCRIPTION	DATE

DESIGNED BY: KC	ISSUE DATE:
DRAWN BY: JC	SOLICITATION NO.: W812Q2R0R038
CHECKED BY: DF	CONTRACT NO.: W81328-XX-XXXX
SUBMITTED BY:	SIZE: ANSI
OPTION FIELD 2	
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	
3 CAMPUS DRIVE PLEASANTVILLE, NY 10570	

UNITED STATES ARMY RESERVE CENTER
ORANGEBURG, NEW YORK

ELECTRICAL
POWER DEMOLITION ROOF PLAN

SHEET ID
ED103



MATCHLINE - SEE DRAWING ED102 FOR CONTINUATION

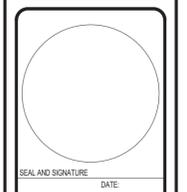
1 INTERIOR FLOOR PLAN
1/8" = 1'-0"

NOTES

1. FOR ADDITIONAL NOTES, SYMBOLS AND ABBREVIATIONS SEE DRAWING E-001.
2. FOR INFORMATION ON EXISTING CIRCUITRY SEE PANEL SCHEDULES ON DRAWINGS EP601 AND EP602.
3. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ABOVE CEILING AND WALL MOUNTED HVAC EQUIPMENT. DISCONNECT AND REMOVE ALL EXISTING CONDUIT AND WIRE BACK TO POWER SOURCE.

KEYNOTES

- ① EXISTING PANEL LP-LB TO BE DISCONNECTED AND REMOVED. DISCONNECT AND REMOVE ALL ASSOCIATED CONDUIT AND WIRE INCLUDING FEEDER CIRCUIT BACK TO MDP.
- ② EXISTING PANEL PP-PA TO BE DISCONNECTED AND REMOVED. DISCONNECT AND REMOVE ALL ASSOCIATED CONDUIT AND WIRE, INCLUDING FEEDER CIRCUIT, BACK TO MDP.
- ③ EXISTING PANEL LP-LA TO BE DISCONNECTED AND REMOVED. DISCONNECT AND REMOVE ALL ASSOCIATED CONDUIT AND WIRE, INCLUDING FEEDER CIRCUIT, BACK TO EMERGENCY GENERATOR PANEL.
- ④ EXISTING PANEL PP-SI TO BE DISCONNECTED AND REMOVED. DISCONNECT AND REMOVE ALL ASSOCIATED CONDUIT AND WIRE.
- ⑤ FOR IT, TELEPHONE, SECURITY EQUIPMENT REMOVALS SEE COMMUNICATIONS DRAWINGS. CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRE.
- ⑥ NOT USED
- ⑦ LOCATION FOR INTERCOM COMMUNICATIONS AND POWER CONDUIT FOR TWO EXISTING EXTERIOR MOTOR OPERATED GATES. CONDUIT AND WIRE SHALL REMAIN ON BUILDING EXTERIOR. INTERCEPT EXISTING CONDUIT ON BUILDING INTERIOR AND PROVIDE FOR REQUIRED RECONNECTION. SEE DRAWING EP103 FOR CONTINUATION.
- ⑧ LOCATION OF CONDUIT AND WIRE RUN TO UNKNOWN EXTERIOR ELECTRICAL LOAD. CONTRACTOR SHALL TRACE OUT CIRCUIT AND RELOCATE AS NECESSARY TO ACCOMMODATE THE BUILDING RENOVATION CONTRACTOR SHALL REPOWER WITH NEW CIRCUIT(S). SEE DRAWING EP103 FOR CONTINUATION.

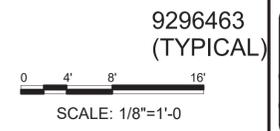


MARK	REVISION NO.	DESCRIPTION
10		

DESIGNED BY: KC	ISSUE DATE:
DRAWN BY: JC	SOLICITATION NO.:
CHECKED BY: DF	W812020R0038
SUBMITTED BY:	CONTRACT NO.:
SIZE: ANSI D	W81328-XX-X-XXXX
OPTION FIELD 2	
US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT LOUISVILLE, KY	
3 CAMPUS DRIVE PLEASANTVILLE, NY 10570	

UNITED STATES ARMY RESERVE CENTER
ORANGEBURG, NEW YORK
ELECTRICAL
POWER DEMOLITION PLAN - AREA "A"

SHEET ID
ED101



GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR WALL THICKNESS, HEIGHTS, TYPES, AND RATINGS. COORDINATE ALL WALL MOUNTED WIRING DEVICES, JUNCTION BOXES, ETC., WITH THE WALL CONSTRUCTION. VERIFY DEVICE LOCATIONS IN THE FIELD PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ENSURE THAT THE REQUIRED GROUNDING AND BONDING CONNECTIONS TO BUILDING STEEL ARE MADE BEFORE THE STEEL IS COVERED.
- ALL CONDUITS SHALL BE DE-BURRED AND PROVIDED WITH BUSHINGS TO PREVENT CABLE DAMAGE. CONDUIT FITTINGS SHALL HAVE INSULATED THROATS.
- CONTRACTOR SHALL INSTALL ABOVE CEILING JUNCTION BOXES IN ROOMS WITH GYPSUM BOARD CEILINGS SUCH THAT THEY ARE ACCESSIBLE. CONTRACTOR SHALL PROVIDE ACCESS PANELS IF NECESSARY, TO MEET CODE REQUIREMENTS.
- ALL SPARE CONDUITS, DUCTS AND INNERDUCTS SHALL BE PROVIDED WITH PULL WIRE.
- CONDUIT INSTALLED UNDER THE BUILDING SLAB AND EXTENDING 5' BEYOND THE EDGE OF THE SLAB SHALL BE PVC COATED RGS TYPE.
- POWER RECEPTACLE MOUNTING HEIGHTS (TO CENTER OF DEVICE) SHALL BE AS FOLLOWS UN:
 - ROOM RECEPTACLES 18" AFF
 - EXTERIOR RECEPTACLES 18" AFF
 - ABOVE COUNTER 4" ABOVE BACKSPLASH
- POWER AND COMMUNICATIONS OUTLETS IN OFFICES SHALL BE INSTALLED 15" AFF (TO BOTTOM OF OUTLET) TO AVOID CONFLICTS WITH FURNITURE.
- ELECTRICAL BOXES INSTALLED ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24".
- ALL PENETRATIONS THROUGH FIRE RATED WALLS OR PARTITIONS SHALL BE FIRE-STOPPED IN ACCORDANCE WITH SPECIFICATION SECTION 07 84 00 FIRE-STOPPING. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATED WALLS AND PARTITIONS.
- ANTI-TERRORISM MEASURES: MOUNT ALL OVERHEAD UTILITIES AND OTHER FIXTURES WEIGHING 14 KILOGRAMS (31 POUNDS) OR MORE TO MINIMIZE THE LIKELIHOOD THAT THEY WILL FALL AND INJURE BUILDING OCCUPANTS. DESIGN ALL EQUIPMENT MOUNTINGS TO RESIST FORCES OF 0.5 TIMES THE EQUIPMENT WEIGHT IN ANY HORIZONTAL DIRECTION AND 1.5 TIMES THE EQUIPMENT WEIGHT IN THE DOWNWARD DIRECTION. THIS REQUIREMENT IS NOT INTENDED TO APPLY TO DISTRIBUTED SYSTEMS, SUCH AS PIPING AND CONDUIT NETWORKS.
- CONDUIT AND WIRING NOT ASSOCIATED WITH THE TELECOMMUNICATIONS ROOMS (EF/TER/TR) SHALL NOT PASS THROUGH THE TELECOMMUNICATIONS ROOMS. ONLY WIRING DEDICATED TO THE TELECOMMUNICATIONS ROOMS SHALL BE INSTALLED IN THESE ROOMS.
- EQUIPMENT, (PIPING, DUCTWORK, MACHINERY, ETC) THAT DOES NOT SERVE THE EF, TER, OR TR SHALL NOT BE INSTALLED ABOVE, BELOW (I.E. IN OR UNDER SLAB), OR IN THESE IT SPACES, NOR SHALL THIS EQUIPMENT PASS THROUGH OR ENTER THE EF, TER OR TR.
- ANY MOTOR, TRANSFORMER OR OTHER ELECTRICAL DEVICE GREATER THAN 5KVA SHALL HAVE A MINIMUM OF A 47" BUFFER FROM ANY WALL OF THE EF, TER, OR TR.
- NOT USED
- CONSIDER VOLTAGE DROP WHEN DETERMINING THE EXACT ROUTING OF ALL WIRING AND ADJUST CONDUCTOR SIZING ACCORDINGLY. SIZE BRANCH CIRCUIT CONDUCTORS FOR A MAXIMUM TOTAL BRANCH CIRCUIT VOLTAGE DROP OF 3% AND SIZE FEEDER CONDUCTORS FOR A MAXIMUM TOTAL FEEDER VOLTAGE DROP OF 2%.
- MOUNTING HEIGHTS INDICATED IN THE LEGEND AND ON THE DRAWINGS ARE THE DISTANCE MEASURED FROM THE CENTER OF THE DEVICE TO THE FINISHED FLOOR ELEVATION UNLESS OTHERWISE INDICATED.
- MOUNTING HEIGHTS SHOWN ON THIS SHEET ARE TO BE USED UNLESS NOTED OTHERWISE ON THE CORRESPONDING, DRAWING OR DETAIL SHEET.
- SEE THE SPECIFICATIONS FOR GUIDELINES FOR THE INSTALLATION OF ELECTRICAL DEVICES, EQUIPMENT, CONDUIT, BOXES, ETC.
- DO NOT ALLOW PIPING, DUCTWORK AND OTHER MECHANICAL EQUIPMENT TO BE ROUTED OVER ELECTRICAL PANELS. SEE MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR COORDINATION OF LOCATIONS.
- PROVIDE PLENUM RATED CABLE PER NEC 300-22 FOR CABLE RUNS IN AREAS USED FOR RETURN AIR.
- DEVICES AND CONDUIT SHALL BE SURFACE MOUNTED ON BLOCK (CMU) OR CONCRETE WALLS AND CONCEALED IN WALLS FINISHED WITH DRYWALL UNLESS NOTED OTHERWISE.
- PROVIDE DISCONNECTS FOR ALL MOTORS AND EQUIPMENT INDICATED ON THE MOTOR AND MECHANICAL EQUIPMENT SCHEDULES.
- REFER TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS FOR MOUNTING LOCATIONS AND MOUNTING HEIGHTS.
- PROVIDE A ROOF MOUNTED LIGHTNING PROTECTION SYSTEM AND ASSOCIATED GROUNDING.

LIGHTING GENERAL NOTES

- EMERGENCY FIXTURES NOT DESIGNATED AS SECURITY LIGHTS SHALL BE WIRED SUCH THAT THEY OPERATE 'ON' AND 'OFF' BY SWITCH AND IN EMERGENCY MODE UPON DISRUPTION OF NORMAL ELECTRICAL SERVICE. EMERGENCY FIXTURES NOTED SPECIFICALLY AS 'SECURITY LIGHTS' SHALL OPERATE CONTINUOUSLY.
- EMERGENCY FIXTURES SHALL OPERATE SUCH THAT THEY TURN ON UNDER LOSS OF NORMAL POWER REGARDLESS OF MANUAL OR AUTOMATIC SWITCHING POSITION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO ROUGH IN. COORDINATE LOCATION OF LIGHT FIXTURES WITH HVAC DIFFUSERS, AND OTHER EQUIPMENT.
- THE QUANTITY OF OCCUPANCY SENSORS SHOWN IS INTENDED FOR TOTAL COVERAGE IN THE AREAS SHOWN. DEPENDING ON THE ACTUAL OCCUPANCY SENSOR INSTALLED, FEWER OR MORE OCCUPANCY SENSORS MAY BE REQUIRED TO MEET THE DESIGN INTENT. THE CONTRACTOR SHALL LOCATE SENSORS AS REQUIRED TO PROVIDE TOTAL COVERAGE.
- IN RESTROOMS, WALL SLOT FIXTURES SHALL EXTEND FROM WALL TO WALL, WITH LAMPS INSTALLED IN LOCATIONS SHOWN ON PLANS.
- SEE DRAWING EL-102 FOR FIXTURE SCHEDULE AND SYMBOLS.

POWER GENERAL NOTES

- BRANCH CIRCUIT CONDUCTOR SIZES SHOWN ON PLANS AND PANEL SCHEDULES ARE BASED ON VOLTAGE DROP CALCULATIONS USING APPROXIMATE CIRCUIT ROUTING PATHS. WHEN FIELD INSTALLED BRANCH CIRCUIT CONDUCTORS FOR 120 VOLT BRANCH CIRCUITS THAT EXCEED 100 FEET, CONDUCTORS SHALL BE NO SMALLER THAN #10 AWG.
- PROVIDE ELECTRICAL DISCONNECTS AS NECESSARY TO MEET NFPA 70 REQUIREMENTS. IN SOME CASES, THE DISCONNECT MAY BE PROVIDED WITH THE EQUIPMENT, REFER TO MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.
- PLANS SHOW A SEPARATE CONDUIT FOR EACH CIRCUIT. FOR 120- AND 208-VOLT SINGLE PHASE BRANCH CIRCUITS, UP TO THREE HOME RUN CIRCUITS CAN BE COMBINED IN A SINGLE CONDUIT BACK TO THE PANEL THE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED, AND THE CONDUIT SHALL BE SIZED PER NEC REQUIREMENTS. SIZE CONDUIT TO PROVIDE SPARE CAPACITY FOR ONE ADDITIONAL 20 AMP CIRCUIT IN EACH CONDUIT
- AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN EACH CONDUIT.
- ANY MOTOR, TRANSFORMER OR OTHER ELECTRICAL DEVICE GREATER THAN 5 KVA SHALL HAVE MINIMUM OF A 47" BUFFER FROM ANY WALL OF THE EF, TER OR TR ROOMS.

DEMOLITION GENERAL NOTES

- PRIOR TO START OF DEMOLITION, INSPECT AREAS WHICH WORK WILL BE PERFORMED. NOTE EXISTING CONDITIONS OF STRUCTURE SURFACES, EQUIPMENT, OR SURROUNDING PROPERTY THAT COULD BE MISCONSTRUED AS DAMAGE RESULTING FROM SELECTIVE DEMOLITION WORK.
- CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE CONTRACTING OFFICER.
- ALL WORK PERFORMED SHALL BE IN COMPLIANCE WITH THE REGULATIONS AND GUIDELINES SET FORTH BY ALL AGENCIES HAVING JURISDICTION OVER THE WORK.
- ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
- DEMOLITION AND REMOVAL WORK SHALL BE EXECUTED WITH CARE AND PERFORMED BY COMPETENT EXPERIENCED WORKMEN FOR THE REMOVAL WORK. THE WORK SHALL BE CARRIED OUT THROUGH TO COMPLETION WITH DUE REGARD TO THE SAFETY OF ALL PERSONS ON SITE.
- UNLESS NOTED OTHERWISE ALL DEMOLISHED COMPONENTS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE IN A TIMELY FASHION. ALL EQUIPMET MARKED BY THE CONTRACTING OFFICER TO REMAIN SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR AND STORED AS DIRECTED.
- THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ITEMS TO REMAIN AND SHALL REPAIR AND/OR REPLACE ANY ITEM OR CONSTRUCTION DAMAGED DURING THE COURSE OF WORK AT NO ADDITIONAL COST.
- ALL DEMOLITION ACTIVITIES, CUTTING AND PATCHING REQUIRED IN CONNECTION WITH THE WORK SHALL BE PERFORMED BY MECHANICS OF THE SPECIFIC TRADE INVOLVED AND AS REQUIRED TO EXECUTE EACH LINE OF WORK. ALL PATCHING SHALL BE FINISHED TO MATCH ADJACENT SURFACES WITH NEW OR EXISTING TO REMAIN.
- AFTER COMPLETION OF WORK, CLEAN UP ALL RESULTANT DEBRIS AND REMOVE FROM THE JOB SITE TO THE SATISFACTION OF THE CONTRACTING OFFICER.

ELECTRICAL SYMBOLS

	CONDUIT RUN UNDERGROUND
	CONDUIT RUN EXPOSED
	#4/0 BARE COPPER GROUND WIRE OR COPPER WIRE ROPE (LPS)
	CONDUIT HOME RUN. UNLESS INDICATED OTHERWISE, RUN IS A 3/4", 2#12 & 1#12 GND. PP-PB = DESIGNATED PANEL 1 = INDICATES CIRCUIT
	LIGHTING FIXTURE SYMBOL NL-7B = FIXTURE TYPE 1 = CIRCUIT NUMBER a = CONTROLLING SWITCH (EM) = FIXTURE EQUIPPED WITH INTEGRAL BATTERY PACK
	SECURITY LIGHT FIXTURE ALWAYS "ON"
	EXIT SIGN WITH INTEGRAL BATTERY PACK. 3 = CIRCUIT NUMBER
	120 VOLT, 20 AMP DUPLEX RECEPTACLE UNLESS NOTED OTHERWISE. R2 = CIRCUIT NUMBER (GFI) = GROUND FAULT INTERRUPTER TYPE (AC) = ABOVE COUNTER OR SINK (TV) = MOUNT AT LEVEL FOR TV USE (6'-0" AFF) (WP) = WEATHERPROOF (S) = SURFACE
	SAME AS DUPLEX RECEPTACLE ABOVE EXCEPT CONNECTED TO OCCUPANCY SENSOR FOR AUTOMATIC ON/OFF CAPABILITY (COLOR BLUE)
	120 VOLT, 20 AMP - QUAD (2 DUPLEX) RECEPTACLES. R4 = CIRCUIT NUMBER (AC) = ABOVE COUNTER OR SINK (FL) = INDICATES RECEPTACLES MOUNTED IN FLOOR BOX-INSTALLED FLUSH WITH EXISTING FLOOR (ROUND TYPE). (MFD) = MULTI-FUNCTION DEVICE
	SAME AS DUPLEX RECEPTACLE ABOVE EXCEPT CONNECTED TO OCCUPANCY SENSOR FOR AUTOMATIC ON/OFF CAPABILITY (COLOR BLUE)
	LIGHT SWITCH (F) = SWITCH TYPE 1 = CIRCUIT NUMBER d = SWITCHING CIRCUIT (SEE DRAWING EL-102 FOR ADDITIONAL INFORMATION)
	208 VOLT - 1 PHASE RECEPTACLE, 30A OR AS SHOWN
	CIRCUIT BREAKER A = AMP TRIP 3P = 3 POLE
	TRANSFORMER
	FUSED SWITCH
	POWER WIP FOR FURNITURE POWER NUMBER INDICATES CIRCUIT
	GROUND ROD
	LPS AIR TERMINAL
	RECESSED PANEL
	SURFACE MOUNTED ELECTRICAL PANEL
	FUSED OR UNFUSED DISCONNECT SWITCH
	CONTACT NO/NC
	EMERGENCY STOP BUTTON (BOILER CUT-OFF)
	CONDENSATE PUMP
	PHOTOCELL
	DRAWING KEY NOTE SYMBOL
	CABLE AND CONDUIT DESIGNATOR
	GAS SHUT OFF VALVE
	INDICATES REMOVALS

ABBREVIATIONS

A/C	AIR CONDITIONING
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
AMP	AMPERE
BLDG	BUILDING
CKT	CIRCUIT
CLG	CEILING
CP	CIRCULATING PUMP
CU	COPPER
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DOD	DEPARTMENT OF DEFENSE
EA	EACH
ELEC	ELECTRIC
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EXH	EXHAUST
EXT	EXTERIOR, EXTERNAL
F	FAHRENHEIT
FDR	FEEDER
FIG	FIGURE
FL	FLOOR
FLA	FULL-LOAD AMPERES
FLEX	FLEXIBLE
FT	FOOT, FEET
GND.	GROUND
HH	HANDHOLE
HP	HORSEPOWER
HR	HOUR
HTR	HEATER
INC	INCHES
JB	JUNCTION BOX
KCML	1000 CIRCULAR MILS
KO	KNOCK OUT
KV	KILOVOLT
KVA	KILOVOLT - AMPS
KW	KILOWATT
LPS	LIGHTNING PROTECTION SYSTEM
LTG	LIGHTING
LV	LOW VOLTAGE
MFD	MULTI-FUNCTION DEVICE
MFR	MANUFACTURE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MGB	MAIN GROUNDING BUSBAR
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
MTG	MOUNTING
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NC	NOT IN CONTRACT
NO	NORMALLY CLOSED
NO	NORMALLY OPEN, NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
PB	PULL BOX, PUSH BUTTON
PH	PHASE
PNL	PANEL
PR	PRELIMINARY
PRI	PRIMARY
PSI	POUND FORCE PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RCPT	RECEPTACLE
REQD	REQUIRED
REV	REVISION
RGS	RIGID GALVANIZED STEEL
RMC	RIGID METAL CONDUIT
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SECT	SECTION
SP	SINGLE POLE
SPD	SURGE PROTECTION DEVICE
SQ	SQUARE
SQ FT	SQUARE FOOT
STA	STATION
STD	STANDARD
STRL	STRUCTURAL
SW	SWITCH
SYS	SYSTEM
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERATURE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TYP	TYPICAL
TV	TELEVISION
UGND	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTIL	UTILITY
V	VOLT(S)
VOL	VOLUME
WP	WEATHER PROOF



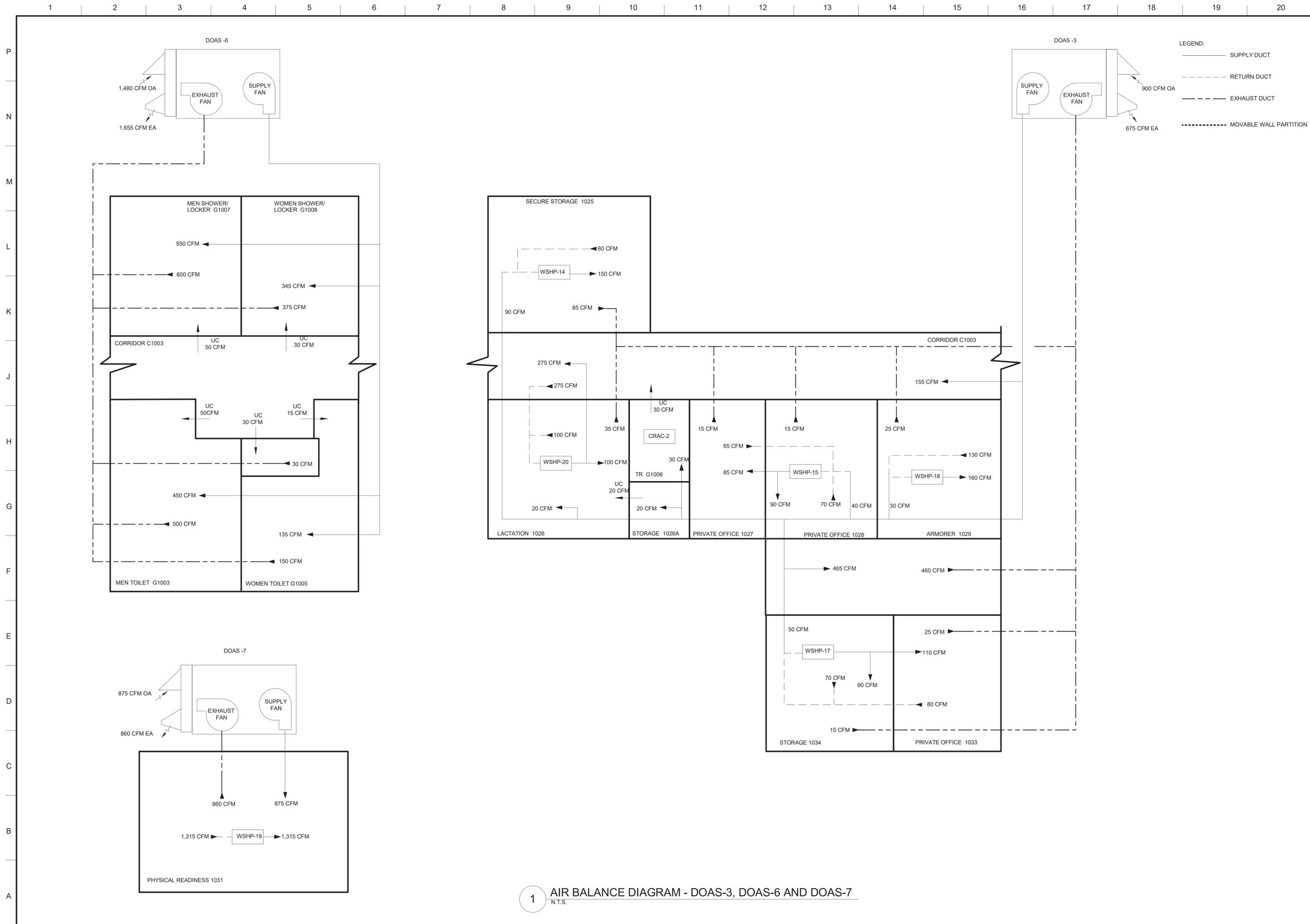
DATE	
DATE 5	
DATE 4	
DATE 3	
DATE 2	
DATE 1	
MARK	

DESIGNED BY:	ISSUE DATE:
DRAWN BY:	SOLICITATION NO.:
CHECKED BY:	CONTRACT NO.:
SUBMITTED BY:	W91328-XX-X-XXXX
SIZE:	OPTION FIELD 2
ANSI	
US ARMY CORPS OF ENGINEERS	
KC	
LOUISVILLE DISTRICT	
LOUISVILLE, KY	
SAVIN ENGINEERS, P.C.	
3 CAMPUS DRIVE PLEASANTVILLE, NY 10570	

UNITED STATES ARMY RESERVE CENTER
ORANGEBURG, NEW YORK

ELECTRICAL
NOTES, SYMBOLS AND ABBREVIATIONS

SHEET ID
E-001



NOT FOR CONSTRUCTION

MARK	DESCRIPTION	DATE

DESIGNED BY: CM	ISSUE DATE: 06 MAY 2021
DRAWN BY: CM	SOLICITATION NO.: W912QR2R0038
CHECKED BY: MLP	CONTRACT NO.: W912QR2R0038
SUBMITTED BY: ANSID	SIZE: ANSID

US ARMY CORPS OF ENGINEERS
 LOUISVILLE DISTRICT
 LOUISVILLE, KY
 111 Wood Avenue
 Iselin, NJ 08830-4112
 United States of America
 T + 732-780-6665
 F + 732-577-0651
 www.mottmacdonald.com

MOTT MACDONALD

UNITED STATES ARMY RESERVE CENTER
ORANBEBURG, NEW YORK

AIR BALANCING DIAGRAMS - SHEET 3

SHEET ID
M-704

1 AIR BALANCE DIAGRAM - DOAS-3, DOAS-6 AND DOAS-7
N.T.S.

CORRECTED FINAL SUBMISSION - JULY 29, 2021