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SEAL:



08.19.24

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ETI Project No. 2024-040

MORGAN COUNTY JUSTICE CENTER

FORT MORGAN, COLORADO

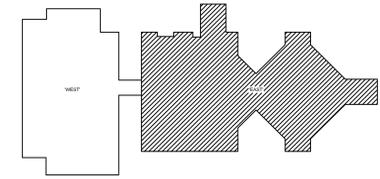
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ED1.1 SHEET



KEY PLAN

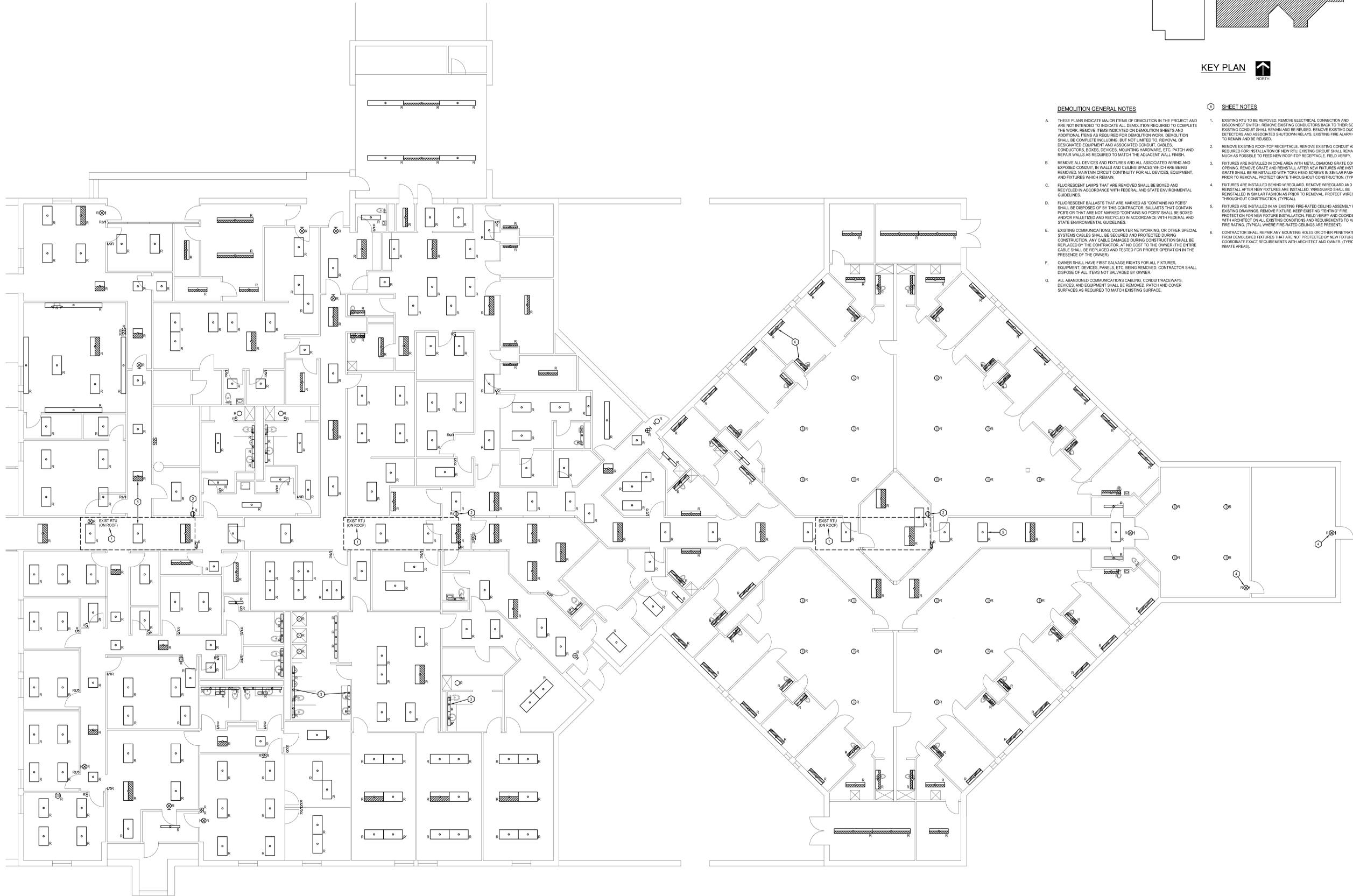


DEMOLITION GENERAL NOTES

- THESE PLANS INDICATE MAJOR ITEMS OF DEMOLITION IN THE PROJECT AND ARE NOT INTENDED TO INDICATE ALL DEMOLITION REQUIRED TO COMPLETE THE WORK. REMOVE ITEMS INDICATED ON DEMOLITION SHEETS AND ADDITIONAL ITEMS AS REQUIRED FOR DEMOLITION WORK. DEMOLITION SHALL BE COMPLETE INCLUDING, BUT NOT LIMITED TO: REMOVAL OF DESIGNATED EQUIPMENT AND ASSOCIATED CONDUIT, CABLES, CONDUIT, BOXES, DEVICES, MOUNTING HARDWARE, ETC. PATCH AND REPAIR WALLS AS REQUIRED TO MATCH THE ADJACENT WALL FINISH.
- REMOVE ALL DEVICES AND FIXTURES AND ALL ASSOCIATED WIRING AND EXPOSED CONDUIT IN WALLS AND CEILING SPACES WHICH ARE BEING REMOVED. MAINTAIN CIRCUIT CONTINUITY FOR ALL DEVICES, EQUIPMENT, AND FIXTURES WHICH REMAIN.
- FLUORESCENT LAMPS THAT ARE REMOVED SHALL BE BOXED AND RECYCLED IN ACCORDANCE WITH FEDERAL AND STATE ENVIRONMENTAL GUIDELINES.
- FLUORESCENT BALLASTS THAT ARE MARKED AS "CONTAINS NO PCB'S" SHALL BE DISPOSED OF BY THIS CONTRACTOR. BALLASTS THAT CONTAIN PCB'S OR THAT ARE NOT MARKED "CONTAINS NO PCB'S" SHALL BE BOXED AND/or PALLETIZED AND RECYCLED IN ACCORDANCE WITH FEDERAL AND STATE ENVIRONMENTAL GUIDELINES.
- EXISTING COMMUNICATIONS, COMPUTER NETWORKING, OR OTHER SPECIAL SYSTEMS CABLES SHALL BE SECURED AND PROTECTED DURING CONSTRUCTION. ANY CABLE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR, AT NO COST TO THE OWNER (THE ENTIRE CABLE SHALL BE REPLACED AND TESTED FOR PROPER OPERATION IN THE PRESENCE OF THE OWNER).
- OWNER SHALL HAVE FIRST SALVAGE RIGHTS FOR ALL FIXTURES, EQUIPMENT, DEVICES, PANELS, ETC. BEING REMOVED. CONTRACTOR SHALL DISPOSE OF ALL ITEMS NOT SALVAGED BY OWNER.
- ALL ABANDONED COMMUNICATIONS CABLING, CONDUIT RACEWAYS, DEVICES, AND EQUIPMENT SHALL BE REMOVED. PATCH AND COVER SURFACES AS REQUIRED TO MATCH EXISTING SURFACE.

SHEET NOTES

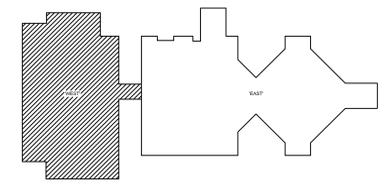
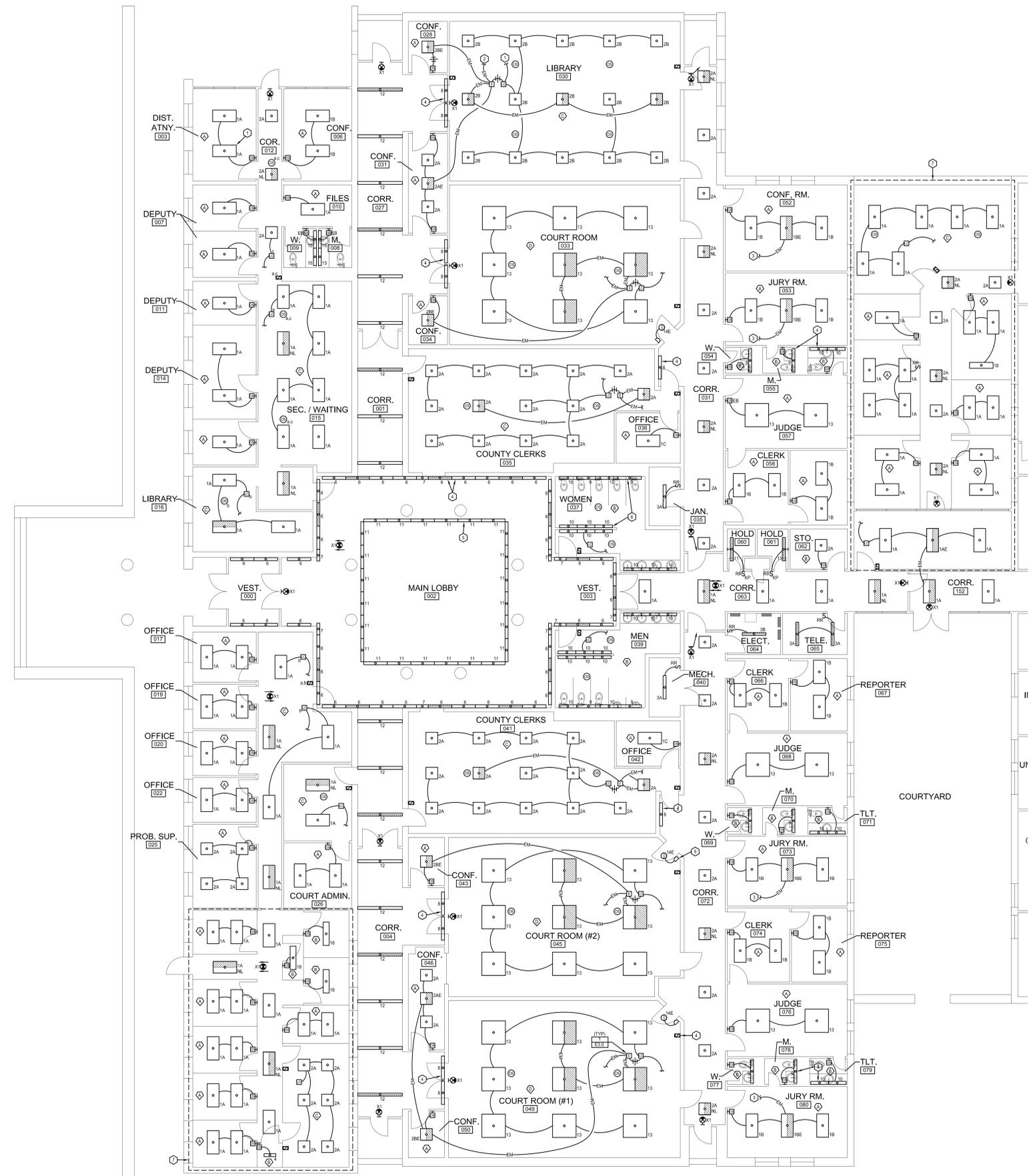
- EXISTING RTU TO BE REMOVED. REMOVE ELECTRICAL CONNECTION AND DISCONNECT SWITCH. REMOVE EXISTING CONDUCTORS BACK TO THEIR SOURCE. EXISTING CONDUIT SHALL REMAIN AND BE REUSED. REMOVE EXISTING SMOKE DETECTORS AND ASSOCIATED SHUTDOWN RELAYS, EXISTING FIRE ALARM CIRCUIT TO REMAIN AND BE REUSED.
- REMOVE EXISTING ROOF-TOP RECEPTACLE. REMOVE EXISTING WIRING AS REQUIRED FOR INSTALLATION OF NEW RTU. EXISTING CIRCUIT SHALL REMAIN AS MUCH AS POSSIBLE TO FEED NEW ROOF-TOP RECEPTACLE. FIELD VERIFY.
- FIXTURES ARE INSTALLED IN COVE AREA WITH METAL DIAMOND GRATE COVERING OPENING. REMOVE GRATE AND REINSTALL AFTER NEW FIXTURES ARE INSTALLED. GRATE SHALL BE REINSTALLED WITH TORX HEAD SCREWS IN SIMILAR FASHION AS PRIOR TO REMOVAL. PROTECT GRATE THROUGHOUT CONSTRUCTION (TYPICAL).
- FIXTURES ARE INSTALLED BEHIND WIREGUARD. REMOVE WIREGUARD AND REINSTALL AFTER NEW FIXTURES ARE INSTALLED. WIREGUARD SHALL BE REINSTALLED IN SIMILAR FASHION AS PRIOR TO REMOVAL. PROTECT WIREGUARD THROUGHOUT CONSTRUCTION (TYPICAL).
- FIXTURES ARE INSTALLED IN AN EXISTING FIRE-RATED CEILING ASSEMBLY PER THE EXISTING DRAWINGS. REMOVE FIXTURE. KEEP EXISTING TYPING FIRE PROTECTION FOR NEW FIXTURE INSTALLATION. FIELD VERIFY AND COORDINATE WITH ARCHITECT ON ALL EXISTING CONDITIONS AND REQUIREMENTS TO MAINTAIN FIRE RATING. (TYPICAL WHERE PRE-RATED CEILING ARE PRESENT).
- CONTRACTOR SHALL REPAIR ANY MOUNTING HOLES OR OTHER PENETRATIONS FROM DEMOLISHED FIXTURES THAT ARE NOT PROTECTED BY NEW FIXTURES. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT AND OWNER. (TYPICAL OF INMATE AREAS).



1 ELECTRICAL DEMOLITION PLAN - (EAST)

ED1.1 SCALE: 1/8" = 1'-0"





KEY PLAN

LIGHTING GENERAL NOTES

- A. CONNECT EXIT LIGHTS, EMERGENCY POWER SUPPLY UNITS, EMERGENCY BATTERY UNIT FIXTURES, AND NIGHTLIGHT (N.L.) INDICATED FIXTURES UNWITTED TO THE NEAREST EXISTING EMERGENCY CIRCUIT.
- B. CONNECT EMERGENCY (HATCHED) FIXTURES TO THE NEAREST EXISTING EMERGENCY CIRCUIT.
- C. CONNECT NONEMERGENCY (NORMAL) FIXTURES TO THE NEAREST EXISTING NORMAL LIGHTING CIRCUIT IN THE ROOM / AREA. CONNECT LIGHTING CIRCUITS THROUGH LIGHTING CONTROLS WITHIN EACH ROOM TO CONTROL LIGHT FIXTURES, UNLESS NOTED OTHERWISE.
- D. LOCATE REMOTE DRIVERS, WHERE PRESENT, FOR LUMINAIRES ABOVE THE NEAREST ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE.
- E. WHERE DIMMING IS INDICATED, PROVIDED A DEDICATED LOAD CONTROLLER OR EACH LIGHT FIXTURE TYPE WITHIN A ZONE.
- F. WHERE LOW VOLTAGE LIGHTING CONTROL WIRING IS REQUIRED BETWEEN DEVICES, IT SHALL BE PROVIDED PER MANUFACTURER'S INSTRUCTIONS. ROUTE CABLES ALONG ASSOCIATED LIGHTING CIRCUIT CONDUIT AND SUPPORT USING PLASTIC TIES OR VELCRO STRAPS. 9-10V WIRING SHALL BE INSTALLED IN CONDUIT.
- G. MOTION SENSORS SHALL BE INSTALLED A MINIMUM 6FT FROM HVAC DIFFUSERS, FIELD COORDINATE.
- H. MOTION SENSORS ARE INDICATED SCHEMATICALLY FOR COORDINATION AND ARE A MINIMUM PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR ROOM COVERAGE. CONNECT MOTION SENSORS WITHIN A ROOM, UNLESS NOTED OTHERWISE.
- I. LOAD CONTROLLERS ARE INDICATED ON THE PLANS DIAGRAMMATICALLY FOR DRAWING CLARITY. LOCATE LOAD CONTROLLERS ABOVE AN ACCESSIBLE CEILING OR ADJACENT TO SOURCE PANEL OF ASSOCIATED NORMAL CIRCUITS. LOAD CONTROLLERS ARE PERMITTED TO BE INSTALLED IN FINISHED SPACES WITH EXPOSED CEILING WHERE APPROVED BY THE DESIGN TEAM.

SHEET NOTES

- 1. CONNECT TO EXISTING LIGHTING CIRCUIT THAT PREVIOUSLY SERVED THIS AREA. (TYPICAL).
- 2. CONNECT TO EXISTING EMERGENCY CIRCUIT THAT PREVIOUSLY SERVED THIS AREA. (TYPICAL).
- 3. CONNECT TO NEAREST AVAILABLE EMERGENCY CIRCUIT. FIELD VERIFY.
- 4. INSTALL FIXTURE IN COVE IN SIMILAR LOCATION AS DEMOLISHED FIXTURE. CONNECT NON-HATCHED FIXTURES TO EXISTING NORMAL CIRCUIT. CONNECT HATCHED FIXTURES TO EXISTING EMERGENCY CIRCUIT. FIELD VERIFY. (TYPICAL OF THIS ROOM / AREA AND OTHER SIMILAR ROOMS / AREAS).
- 5. INSTALL FIXTURE IN COVE IN SIMILAR LOCATION AS DEMOLISHED FIXTURE. CONNECT TO EXISTING NORMAL CIRCUIT. AM UP TO EVENLY LIGHT ANGLE WALL PORTION ABOVE. FIELD VERIFY. (TYPICAL OF THIS TYPE).
- 6. INSTALL FIXTURE IN COVE IN SIMILAR LOCATION AS DEMOLISHED FIXTURE. CONNECT TO EXISTING CIRCUIT. REINSTALL LENS OVER COVE OPENING SIMILAR TO PREVIOUS INSTALLATION. (TYPICAL OF FIXTURES IN WOMEN BY A MEN USE).
- 7. WORK SHOWN IN THIS AREA IS BASED ON LIMITED EXISTING DRAWINGS AND CASUAL FIELD OBSERVATION AND IS FOR RECORD PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY AND NOTIFY DESIGN TEAM OF ANY CONFLICTS.
- 8. COORDINATE WITH THE OWNER ON LOCATION OF LIGHTING CONTROL IN COURT ROOMS. (TYPICAL).
- 9. PROVIDE DIMMER SWITCH COMPATIBLE WITH NEW LIGHT FIXTURE. LEVITON A9M7 OR EQUAL. (TYPICAL).

1 LIGHTING PLAN - (WEST)
E1.0 SCALE: 1/8" = 1'-0"

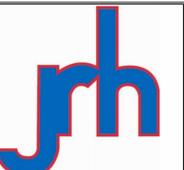


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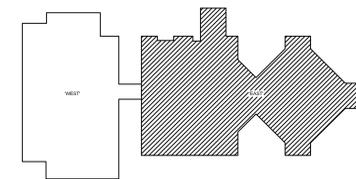
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SHEET



KEY PLAN

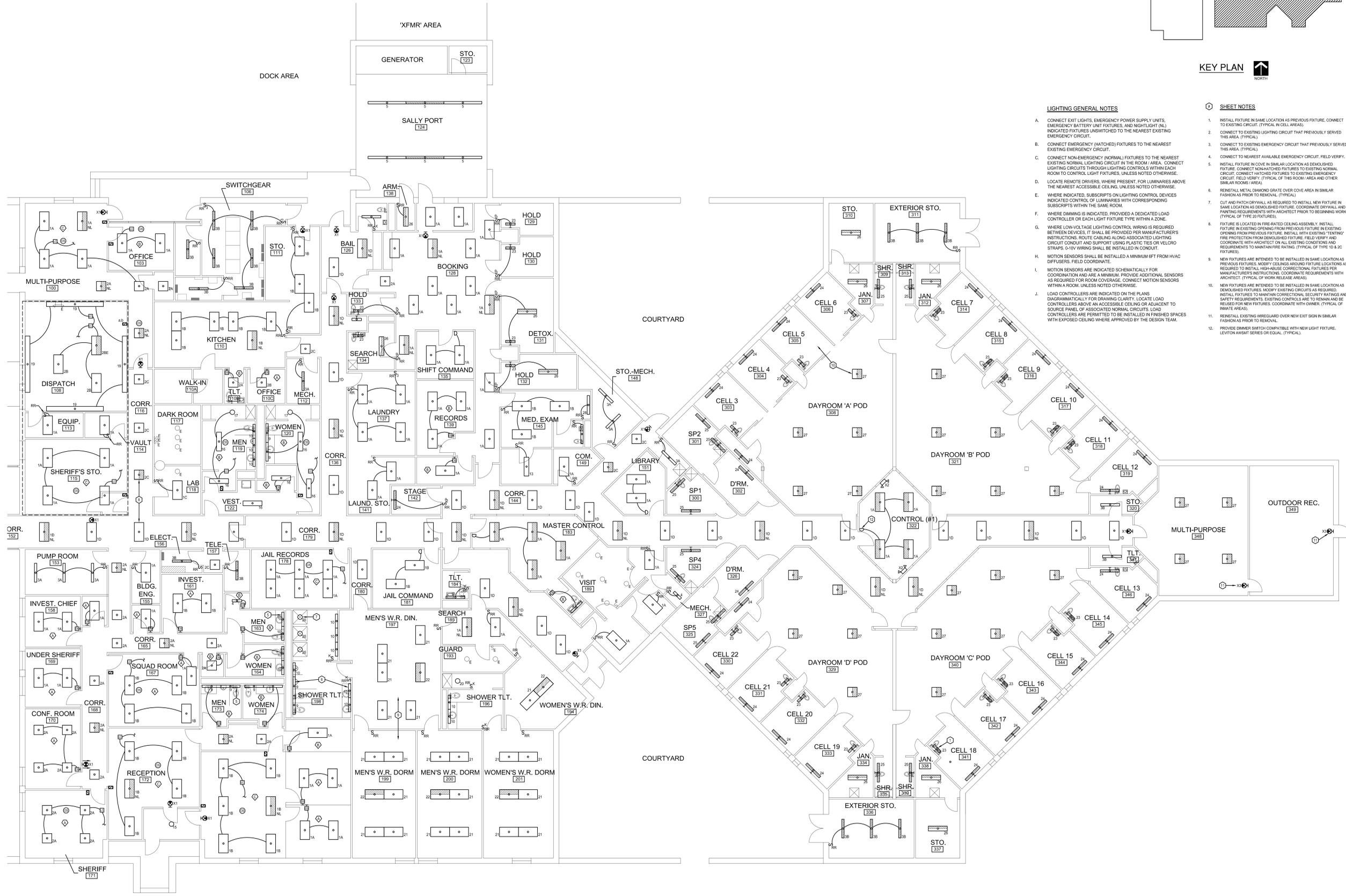


LIGHTING GENERAL NOTES

- CONNECT EXIT LIGHTS, EMERGENCY POWER SUPPLY UNITS, EMERGENCY BATTERY UNIT FIXTURES, AND NIGHTLIGHT (N.L.) INDICATED FIXTURES UNMOUNTED TO THE NEAREST EXISTING EMERGENCY CIRCUIT.
- CONNECT EMERGENCY (MATCHED) FIXTURES TO THE NEAREST EXISTING EMERGENCY CIRCUIT.
- CONNECT NON-EMERGENCY (NORMAL) FIXTURES TO THE NEAREST EXISTING NORMAL LIGHTING CIRCUIT IN THE ROOM / AREA. CONNECT LIGHTING CIRCUITS THROUGH LIGHTING CONTROLS WITHIN EACH ROOM TO CONTROL LIGHT FIXTURES, UNLESS NOTED OTHERWISE.
- LOCATE REMOTE DRIVERS, WHERE PRESENT, FOR LUMINAIRES ABOVE THE NEAREST ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE.
- WHERE DIMMING IS INDICATED, PROVIDED A DEDICATED LOAD CONTROLLER OR EACH LIGHT FIXTURE TYPE WITHIN A ZONE.
- WHERE LOW-VOLTAGE LIGHTING CONTROL WIRING IS REQUIRED BETWEEN DEVICES, IT SHALL BE PROVIDED PER MANUFACTURER'S INSTRUCTIONS. ROUTE CABLING ALONG ASSOCIATED LIGHTING CIRCUIT CONDUIT AND SUPPORT USING PLASTIC TIES OR VELCRO STRAPS. 4-WIRE WIRING SHALL BE INSTALLED IN CONDUIT.
- MOTION SENSORS SHALL BE INSTALLED A MINIMUM 6FT FROM HVAC DIFFUSERS. FIELD COORDINATE.
- MOTION SENSORS ARE INDICATED SCHEMATICALLY FOR COORDINATION AND AS A MINIMUM, PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR ROOM COVERAGE. CONNECT MOTION SENSORS WITHIN A ROOM, UNLESS NOTED OTHERWISE.
- LOAD CONTROLLERS ARE INDICATED ON THE PLANS. LOCATE LOAD CONTROLLERS ABOVE AN ACCESSIBLE CEILING OR ADJACENT TO SOURCE PANEL, OF ASSOCIATED NORMAL CIRCUITS. LOAD CONTROLLERS ARE PERMITTED TO BE INSTALLED IN FINISHED SPACES WITH EXPOSED CEILING WHERE APPROVED BY THE DESIGN TEAM.

SHEET NOTES

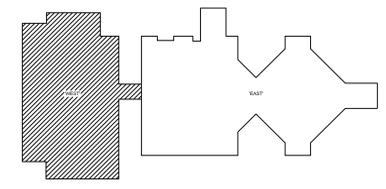
- INSTALL FIXTURE IN SAME LOCATION AS PREVIOUS FIXTURE. CONNECT TO EXISTING CIRCUIT. (TYPICAL IN CELL AREAS).
- CONNECT TO EXISTING LIGHTING CIRCUIT THAT PREVIOUSLY SERVED THIS AREA. (TYPICAL).
- CONNECT TO EXISTING EMERGENCY CIRCUIT THAT PREVIOUSLY SERVED THIS AREA. (TYPICAL).
- CONNECT TO NEAREST AVAILABLE EMERGENCY CIRCUIT. FIELD VERIFY.
- INSTALL FIXTURE IN COVE IN SIMILAR LOCATION AS DEMOLISHED FIXTURE. CONNECT UNMATCHED FIXTURES TO EXISTING NORMAL CIRCUIT. CONNECT MATCHED FIXTURES TO EXISTING EMERGENCY CIRCUIT. FIELD VERIFY. (TYPICAL OF THIS ROOM / AREA AND OTHER SIMILAR ROOMS / AREAS).
- REINSTALL METAL DIAMOND GRATE OVER COVE AREA IN SIMILAR FASHION AS PRIOR TO REMOVAL. (TYPICAL).
- CUT AND PATCH DRYWALL AS REQUIRED TO INSTALL NEW FIXTURE IN SAME LOCATION AS DEMOLISHED FIXTURE. COORDINATE DRYWALL AND PAINTING REQUIREMENTS WITH ARCHITECT PRIOR TO BEGINNING WORK. (TYPICAL OF TYPE 20 FIXTURES).
- FIXTURE IS LOCATED IN FREE-AIR CEILING ASSEMBLY. INSTALL FIXTURE IN EXISTING OPENING FROM PREVIOUS FIXTURE IN EXISTING OPENING FROM PREVIOUS FIXTURE. INSTALL WITH EXISTING TESTING FIRE PROTECTION FROM DEMOLISHED FIXTURE. FIELD VERIFY AND COORDINATE WITH ARCHITECT ON ALL EXISTING CONDITIONS AND REQUIREMENTS TO MAINTAIN FIRE RATINGS. (TYPICAL OF TYPE 10 & 20 FIXTURES).
- NEW FIXTURES ARE INTENDED TO BE INSTALLED IN SAME LOCATION AS PREVIOUS FIXTURES. MODIFY CEILING AROUND FIXTURE LOCATIONS AS REQUIRED TO INSTALL HIGH-RISE CORRECTIONAL FIXTURES PER MANUFACTURER'S INSTRUCTIONS. COORDINATE REQUIREMENTS WITH ARCHITECT. (TYPICAL OF WORK RELEASE AREAS).
- NEW FIXTURES ARE INTENDED TO BE INSTALLED IN SAME LOCATION AS DEMOLISHED FIXTURES. MODIFY EXISTING CIRCUITS AS REQUIRED. INSTALL FIXTURES TO MAINTAIN CORRECTIONAL SECURITY RATINGS AND SAFETY REQUIREMENTS. EXISTING CONTROLS ARE TO REMAIN AND BE REUSED FOR NEW FIXTURES. COORDINATE WITH OWNER. (TYPICAL OF PRIVATE AREAS).
- REINSTALL EXISTING WIREGUARD OVER NEW EXIT SIGN IN SIMILAR FASHION AS PRIOR TO REMOVAL.
- PROVIDE DIMMER SWITCH COMPATIBLE WITH NEW LIGHT FIXTURE. LEVITON AW5MT SERIES OR EQUAL. (TYPICAL).



1 LIGHTING PLAN - (EAST)

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





KEY PLAN 

ELECTRICAL GENERAL NOTES

- A. PROVIDE TEMPORARY POWER, LIGHTING, AND HEATING AS REQUIRED FOR CONSTRUCTION. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- B. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.
- C. COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.
- D. ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES. DEVICES SHALL BE ALIGNED VERTICALLY WHEN INSTALLED AT DIFFERING HEIGHTS AND INSTALL ALL ADJACENT DEVICES AT THE SAME HEIGHT TO CENTER. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN TRADES PRIOR TO ROUGH-IN.
- E. CONCEAL ALL CONDUITS IN WALLS, CHASES ABOVE CEILINGS, BELOW FLOOR, OR IN ADJACENT STORAGE OR UNFINISHED SPACES, WHERE POSSIBLE. RUN EXPOSED CONDUITS VERTICALLY, WHERE POSSIBLE, TO ABOVE ACCESSIBLE CEILING, CONNECT HORIZONTALLY ABOVE CEILING.
- F. PROVIDE TAMPER RESISTANT RECEPTACLES WHERE REQUIRED BY THE NEC.
- G. UTILIZE EXISTING CONCEALED CONDUIT AND FLUSH MOUNTED BOXES WHERE POSSIBLE.
- H. INSTALL NEW DEVICES IN EXISTING BACKBOX WHERE POSSIBLE. REUSE CONDUITS/SURFACE RECEPTACLES AS AVAILABLE. PROVIDE GANGED COVERPLATE AND/OR BLANK COVERPLATES AS REQUIRED.
- I. POWER TO EXISTING AREAS NOT WITHIN THE SCOPE OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES EXCEPT FOR SHORT TERM OUTAGES NECESSARY FOR RECONNECTION OF EXISTING CIRCUITS. COORDINATE AND SCHEDULE OUTAGES WITH THE OWNER.

SHEET NOTES

- 1. CONNECT TO THE EXISTING SWITCH IN EXISTING PANEL, PPH-C THAT SERVED PREVIOUS UNIT. PROVIDE NEW 10A FUSES. INSTALL THE NEW WIRING IN THE EXISTING CONDUIT. EXTEND/ MODIFY THE CONDUIT AS REQUIRED FOR CONNECTION TO NEW UNIT. COORDINATE THE EXACT LOCATION OF THE DISCONNECT SWITCH WITH THE UNIT. DO NOT MOUNT TO EQUIPMENT ACCESS PANELS.
- 2. APPROXIMATE LOCATION OF EXISTING ROOFTOP RECEPTACLE. RECEPTACLE SHALL REMAIN.
- 3. PROVIDE NEW DUCT MOUNTED SMOKE DETECTORS. PROVIDE WITH NEW FIRE ALARM SHUTDOWN RELAYS AND CONNECT TO RTU AND FIRE ALARM SYSTEM. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS.

1 POWER PLAN - (WEST)
SCALE: 1/8" = 1'-0"



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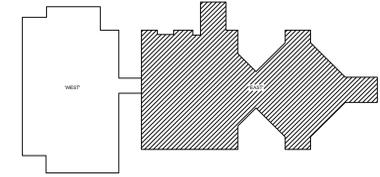
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E2.0 SHEET

VIAERO BUILDING - ROOF-TOP UNIT REQUIRED WORK
 AS PART OF THIS PROJECT, THE EXISTING ROOF-TOP UNIT ON THE "VIAERO" BUILDING, APPROXIMATELY 200FT NORTH ACROSS THE ALLEY, SHALL BE REPLACED. ELECTRICAL CONTRACTOR SHALL REMOVE THE EXISTING CONNECTION FOR UNIT TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL CONNECT THE NEW UNIT TO THE EXISTING CIRCUIT. MODIFY, EXTEND THE EXISTING CONDUITS AS REQUIRED. REMOVE AND REPLACE THE EXISTING 300AMP CIRCUIT BREAKER WITH A NEW 300AMP BREAKER. EXISTING PANEL IS AN IJUNE SERIES POWER PANELBOARD MFR BY SQUARE D. FIELD VERIFY ALL EXISTING CONDITIONS.



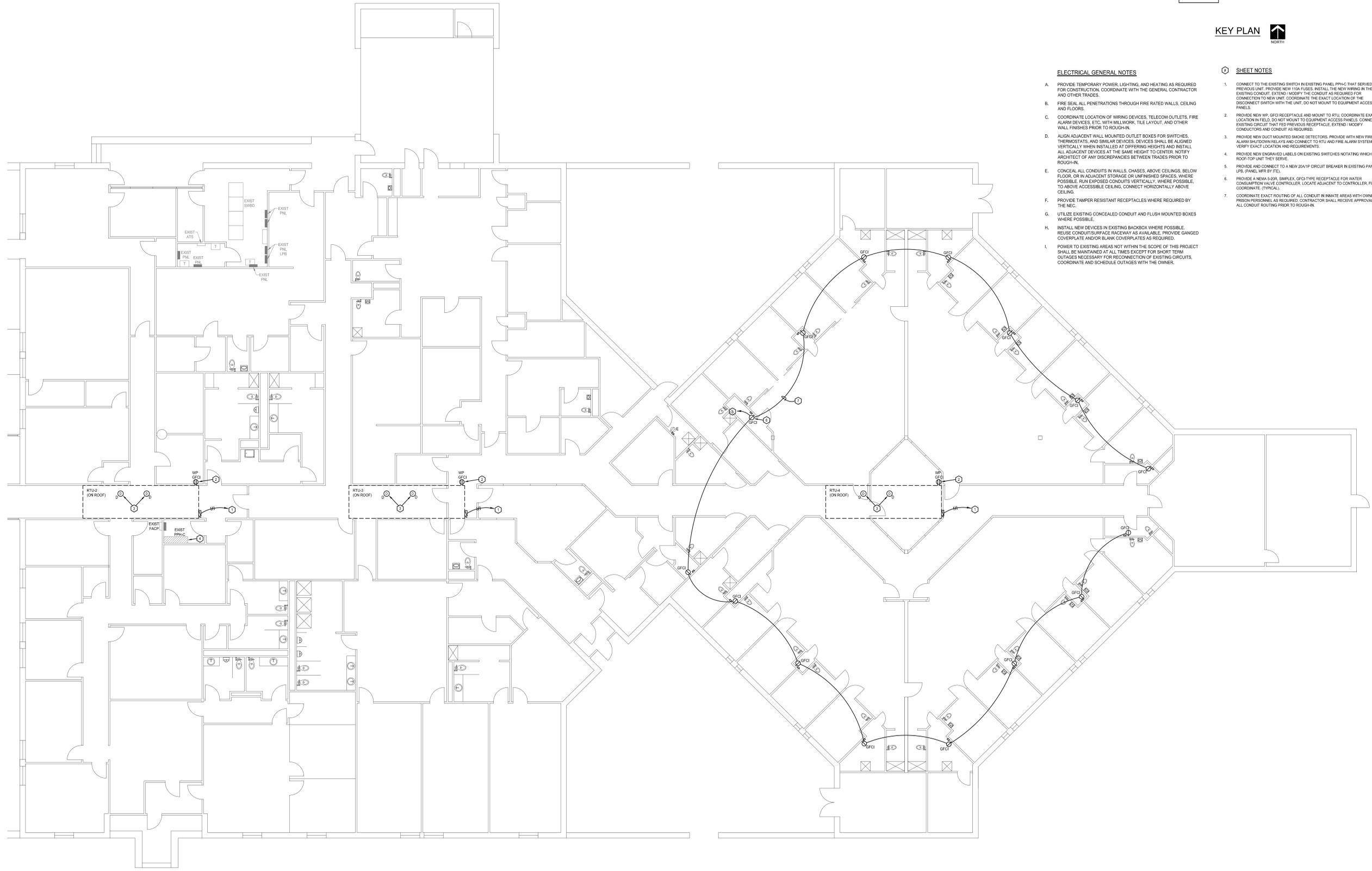
KEY PLAN

ELECTRICAL GENERAL NOTES

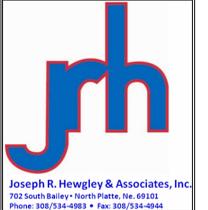
- A. PROVIDE TEMPORARY POWER, LIGHTING, AND HEATING AS REQUIRED FOR CONSTRUCTION. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- B. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.
- C. COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.
- D. ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES SHALL BE ALIGNED VERTICALLY WHEN INSTALLED AT DIFFERING HEIGHTS AND INSTALL ALL ADJACENT DEVICES AT THE SAME HEIGHT TO CENTER. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN TRADES PRIOR TO ROUGH-IN.
- E. CONCEAL ALL CONDUITS IN WALLS, CHASES, ABOVE CEILINGS, BELOW FLOOR, OR IN ADJACENT STORAGE OR UNFINISHED SPACES, WHERE POSSIBLE. RUN EXPOSED CONDUITS VERTICALLY, WHERE POSSIBLE. TO ABOVE ACCESSIBLE CEILING, CONNECT HORIZONTALLY ABOVE CEILING.
- F. PROVIDE TAMPER RESISTANT RECEPTACLES WHERE REQUIRED BY THE NEC.
- G. UTILIZE EXISTING CONCEALED CONDUIT AND FLUSH MOUNTED BOXES WHERE POSSIBLE.
- H. INSTALL NEW DEVICES IN EXISTING BACKBOX WHERE POSSIBLE. REUSE CONDUITS SURFACE RACEWAY AS AVAILABLE. PROVIDE GANGED COVERPLATE AND/OR BLANK COVERPLATES AS REQUIRED.
- I. POWER TO EXISTING AREAS NOT WITHIN THE SCOPE OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES EXCEPT FOR SHORT TERM OUTAGES NECESSARY FOR RECONNECTION OF EXISTING CIRCUITS, COORDINATE AND SCHEDULE OUTAGES WITH THE OWNER.

SHEET NOTES

- 1. CONNECT TO THE EXISTING SWITCH IN EXISTING PANEL PPH-C THAT SERVED PREVIOUS UNIT. PROVIDE NEW 10A FUSES. INSTALL THE NEW WIRING IN THE EXISTING CONDUIT. EXTEND / MODIFY THE CONDUIT AS REQUIRED FOR CONNECTION TO NEW UNIT. COORDINATE THE EXACT LOCATION OF THE DISCONNECT SWITCH WITH THE UNIT. DO NOT MOUNT TO EQUIPMENT ACCESS PANELS.
- 2. PROVIDE NEW WP GFCI RECEPTACLE AND MOUNT TO RTU. COORDINATE EXACT LOCATION IN FIELD. DO NOT MOUNT TO EQUIPMENT ACCESS PANELS. CONNECT TO EXISTING CIRCUIT THAT FED PREVIOUS RECEPTACLE. EXTEND / MODIFY CONDUCTORS AND CONDUIT AS REQUIRED.
- 3. PROVIDE NEW DUCT MOUNTED SMOKE DETECTORS. PROVIDE WITH NEW FIRE ALARM SHUTDOWN RELAYS AND CONNECT TO RTU AND FIRE ALARM SYSTEM. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS.
- 4. PROVIDE NEW ENGRAVED LABELS ON EXISTING SWITCHES NOTATING WHICH ROOF-TOP UNIT THEY SERVE.
- 5. PROVIDE AND CONNECT TO A NEW 20A 1P CIRCUIT BREAKER IN EXISTING PANEL LPB, (PANEL MFR BY ITE).
- 6. PROVIDE A NEMA 5-20R, SIMPLEX, GFCI-TYPE RECEPTACLE FOR WATER CONSUMPTION METER CONTROLLER. LOCATE ADJACENT TO CONTROLLER. FIELD COORDINATE, (TYPICAL).
- 7. COORDINATE EXACT ROUTING OF ALL CONDUIT IN INMATE AREAS WITH OWNER AND PRISON PERSONNEL AS REQUIRED. CONTRACTOR SHALL RECEIVE APPROVAL FOR ALL CONDUIT ROUTING PRIOR TO ROUGH-IN.



1 POWER PLAN - (EAST)
 SCALE: 1/8" = 1'-0"

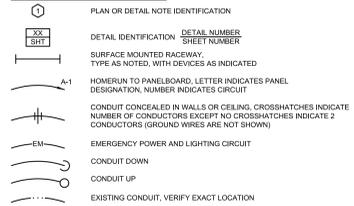


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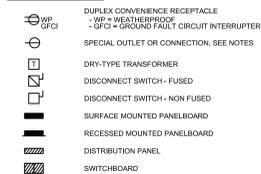
MISC. ELECTRICAL SYMBOLS



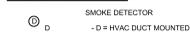
LIGHTING SYMBOLS



POWER SYMBOLS



FIRE ALARM SYMBOLS



ABBREVIATIONS

A	AMPERES
AF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BD	BOARD
CF	CHEVRON FACED EXIT LIGHT
C	COPPER
E	INDICATES EXISTING TO REMAIN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
GND	GROUND
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT, CONNECT TO UNSWITCHED LIGHTING CIRCUIT
P	POLE
PNL	PANELBOARD
PVC	POLY VINYL CHLORIDE NON-METALLIC RACEWAY, SCHEDULE 40 OR SCHEDULE 80
R	REMOVE EQUIPMENT, INCLUDING MOUNTING HARDWARE, AND CONDUIT AND CONDUCTORS TO SOURCE OF SUPPLY, UNLESS OTHERWISE NOTED
RL	REMOVE AND RELOCATE ITEM, EXTEND EXISTING CONDUIT AND/OR CABLING AS REQUIRED TO NEW LOCATION, UNLESS OTHERWISE NOTED
RR	REMOVE AND REPLACE WITH NEW DEVICE, REUSE BOX AND CONDUIT IN WALL AND PROVIDE NEW CONDUIT AND WIRING TO DEVICE AS REQUIRED
RMC	STEEL RIGID METAL CONDUIT
RTU	ROOF TOP UNIT
SS	STAINLESS STEEL
SWBD	SWITCHBOARD
TYP	TYPICAL
V	VOLTS
W	WATT
WG	WIREGUARD
WP	INDICATES WEATHERPROOF
XFMR	TRANSFORMER

LIGHTING CONTROL SCHEDULE														SCHEDULE TYPE	NOTES	
FAC.	MANUAL ON/OFF (M/O)	THREEDAY OFF (M/O)	LOCAL, ON/OFF	DAYLIGHT SENSING (M/O)	INTEGRATED PHOTOCELL (M/O)	TIME CLOCK CONTROL (M/O)	PHOTOCELL CONTROL (M/O)	RELAYING NETWORKED LIGHTING CONTROL SYSTEM								
A	X	-	-	X	X	-	-	-	-	PRIVATE OFFICE					-	
B	-	X	-	X	-	-	-	-	-	RESTROOM					-	
C	-	100	20	X	X	-	-	-	-	LARGE OFFICE / OPEN OFFICE					-	
D	-	100	20	X	X	-	-	-	-	COURT ROOM					1	
E	-	-	-	-	-	-	-	-	-						-	

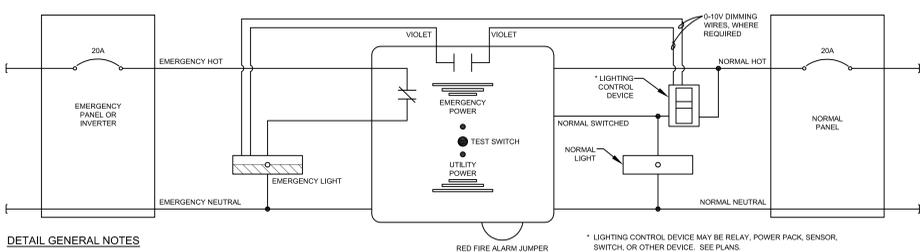
GENERAL NOTES:
 A. WHERE A LOW VOLTAGE SWITCH IS INDICATED ON THE PLANS WITH NO SUBSCRIPT, PROVIDE A 2-BUTTON ON/OFF SWITCH TO CONTROL ALL LIGHTING IN A SPACE, UNLESS SUBSCRIPTS ARE INDICATED ON A LOW VOLTAGE SWITCH. PROVIDE SEPARATE ON/OFF BUTTONS FOR EACH SUBSCRIPT LIGHTING ZONE.
 B. WHERE DIMMING AND LOCAL ON/OFF IS INDICATED FOR A SPACE, PROVIDE LOW VOLTAGE SWITCH WITH SEPARATE RAISE AND LOWER BUTTONS FOR EACH ZONE INDICATED ON THE LOW VOLTAGE SWITCH.
 C. WHERE DIMMING IS INDICATED, PROVIDE DIMMING LOAD CONTROLLERS COMPATIBLE WITH LIGHT FIXTURES BEING PROVIDED. PROVIDE A DIMMING LOAD CONTROLLER FOR EACH LIGHT FIXTURE TYPE WITHIN A COMMON DIMMING ZONE.
 D. REFER TO THE LIGHTING CONTROL SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
 E. PROGRAMMING SHALL BE COMPLETED PRIOR TO THE DESIGN TEAM'S FINAL WALKTHROUGH OR BUILDING OCCUPANCY, WHOEVER COMES FIRST. COORDINATE ADDITIONAL TRIPS REQUIRED WITH PROJECT PHASING.

NOTES:
 1. FIELD VERIFY EXISTING CONTROLS AND COORDINATE ORDER OF OPERATIONS WITH THE OWNER.

LIGHT FIXTURE SCHEDULE													
TYPE	DESCRIPTION	LAMP TYPE	LUMENS	COLOR TEMP	WATTS	MOUNTING	MANUFACTURER	CATALOG NUMBER	ACCEPTABLE MANUFACTURERS	NOTES			
1A	2X4 FLAT PANEL, 0-10V DIMMING	LED	4,000	3000K	20W	RECESSED	LITHONIA	CPX-2X4-AL08-80CR8-SW07-SW-ANVOLT	METALUX COLUMBIA DAYVERTE	-			
1B	2X4 FLAT PANEL, 0-10V DIMMING	LED	5,000	3500K	20W	RECESSED	LITHONIA	CPX-2X4-AL08-80CR8-SW07-SW-ANVOLT	METALUX COLUMBIA DAYVERTE	-			
1BE	2X4 FLAT PANEL, 0-10V DIMMING, WITH GENERATOR TRANSFER DEVICE	LED	5,000	3500K	40W	RECESSED	LITHONIA	CPX-2X4-AL08-80CR8-SW07-SW-ANVOLT-GTD	METALUX COLUMBIA DAYVERTE	-			
1C	2X4 FLAT PANEL, 0-10V DIMMING	LED	6,000	3000K	40W	RECESSED	LITHONIA	CPX-2X4-AL08-80CR8-SW07-SW-ANVOLT	METALUX COLUMBIA DAYVERTE	-			
1D	2X4 FLAT PANEL, 0-10V DIMMING, WITH DRYWALL GRID ADAPTER	LED	4,000	3000K	20W	RECESSED	LITHONIA	CPX-2X4-AL08-80CR8-SW07-SW-ANVOLT-DG04	METALUX COLUMBIA DAYVERTE	-			
2A	2X2 FLAT PANEL, 0-10V DIMMING	LED	3,200	3000K	31W	RECESSED	LITHONIA	CPX-2X2-AL07-80CR8-SW07-SW-ANVOLT	METALUX COLUMBIA DAYVERTE	-			
2AE	2X2 FLAT PANEL, 0-10V DIMMING, WITH GENERATOR TRANSFER DEVICE	LED	4,000	3000K	37W	RECESSED	LITHONIA	CPX-2X2-AL07-80CR8-SW07-SW-ANVOLT-GTD	METALUX COLUMBIA DAYVERTE	-			
2B	2X2 FLAT PANEL, 0-10V DIMMING	LED	4,000	3000K	37W	RECESSED	LITHONIA	CPX-2X2-AL07-80CR8-SW07-SW-ANVOLT	METALUX COLUMBIA DAYVERTE	-			
2BE	2X2 FLAT PANEL, 0-10V DIMMING, WITH GENERATOR TRANSFER DEVICE	LED	4,000	3000K	37W	RECESSED	LITHONIA	CPX-2X2-AL07-80CR8-SW07-SW-ANVOLT-GTD	METALUX COLUMBIA DAYVERTE	-			
2C	2X2 FLAT PANEL, 0-10V DIMMING, WITH DRYWALL GRID ADAPTER	LED	3,200	3000K	31W	RECESSED	LITHONIA	CPX-2X2-AL07-80CR8-SW07-SW-ANVOLT-DG02	METALUX COLUMBIA DAYVERTE	-			
3A	4FT STRIP LIGHT, WHITE FINISH, WITH WIREGUARD	LED	3,000	3500K	27W	SUSPENDED	LITHONIA	CSS-48-AL04-MVOLT-C-DW03-80CR8-HC38M13-WG-CSS	METALUX COLUMBIA DAYVERTE	-			
3B	4FT STRIP LIGHT, WHITE FINISH, WITH WIREGUARD	LED	4,000	3000K	36W	SUSPENDED	LITHONIA	CSS-48-AL04-MVOLT-C-DW03-80CR8-HC38M13-WG-CSS	METALUX COLUMBIA DAYVERTE	-			
4	3FT STRIP LIGHT, WHITE FINISH, WITH WIREGUARD	LED	2,000	3000K	17W	SUSPENDED	LITHONIA	CSS-36-AL03-MVOLT-SW03-80CR8-HC38M13-WG-CSS	METALUX COLUMBIA DAYVERTE	-			
5	8FT STRIP LIGHT, WHITE FINISH, WITH WIREGUARD	LED	8,000	3000K	65W	STEM	LITHONIA	CSS-48-AL04-MVOLT-SW03-80CR8-WG-CSS	METALUX COLUMBIA DAYVERTE	1			
6	4FT STRIP LIGHT, WHITE FINISH	LED	4,000	3000K	35W	SURFACE, COVE	LITHONIA	CSS-48-AL03-MVOLT-SW03-80CR8	METALUX COLUMBIA DAYVERTE	-			
7	2FT STRIP LIGHT, WHITE FINISH	LED	2,000	3000K	17W	SURFACE, COVE	LITHONIA	CSS-24-AL03-MVOLT-SW03-80CR8	METALUX COLUMBIA DAYVERTE	-			
8	4FT STRIP LIGHT, WHITE FINISH	LED	3,000	3000K	27W	SURFACE, COVE	LITHONIA	CSS-48-AL03-MVOLT-SW03-80CR8	METALUX COLUMBIA DAYVERTE	-			
9	4FT STRIP LIGHT, WHITE FINISH, ROUND DIFFUSE LENS	LED	3,000	3000K	19W	SURFACE, COVE	LITHONIA	CLX-48-3002-ML-SEF-ASL-ANVOLT-T-G210-35K-80CR8-WH	METALUX COLUMBIA DAYVERTE	-			
10	3FT STRIP LIGHT, WHITE FINISH, ROUND DIFFUSE LENS	LED	2,250	3000K	17W	SURFACE, COVE	LITHONIA	CLX-36-3002-ML-SEF-ASL-ANVOLT-T-G210-35K-80CR8-WH	METALUX COLUMBIA DAYVERTE	-			
11	ASYMMETRIC LINEAR FIXTURE, 4FT LENGTH, WITH ADJUSTABLE BRACKET, CONNECTORS AS REQUIRED	LED	2,800	3000K	32W	SURFACE	ECOSENSE	L50-H48-08-80-MULT-ASYM	-	2			
12	L/D UPDOWN LINEAR FIXTURE, SPAN MOUNTING, WHITE FINISH, 7'-7" TOTAL LENGTH	LED	550 LP 575 DM	3000K	75W	SPAN	ALLIGHT	ALD28T4M7-7'7"8-LSLS-35-80CR8-R4W4E-JW-I-D04	-	3			
13	4X4 RECESSED FIXTURE, 0-10V DIMMING, VERIFY EXISTING GRID MOUNTING REQUIREMENTS	LED	7,000	3500K	67W	RECESSED	LUMENWERK	POGR-4FT-TX47-LSLD-FW-40-700-35-IN-Q1-I-X04	-	-			
14E	6IN RECESSED DOWNLIGHT, 0-10V DIMMING, WITH EMERGENCY BATTERY	LED	1,000	3000K	13W	RECESSED	LITHONIA	LBR8-AL03-SW01-AN-LS-AM-DI-ANVOLT-LJ22-010-WP	HALO COMMERCIAL LIGHTER PRESCULITE	-			
15	6IN RECESSED DOWNLIGHT, 0-10V DIMMING	LED	2,000	3000K	25W	RECESSED	LITHONIA	LBR8-AL03-SW01-AN-LS-AM-DI-ANVOLT-LJ22-010-WP	HALO COMMERCIAL LIGHTER PRESCULITE	-			
16	1X4 FLAT PANEL, 0-10V DIMMING, WITH DRYWALL GRID ADAPTER	LED	3,200	3000K	19W	RECESSED	LITHONIA	CPX-1X4-AL07-80CR8-SW07-SW-ANVOLT	METALUX COLUMBIA DAYVERTE	-			
17	6IN RECESSED CANLESS DOWNLIGHT, WET LOCATION RATED	LED	1,110	3000K	16W	RECESSED	LITHONIA	WFL4ED-2700K35K-80CR8-WH	HALO COMMERCIAL ELITE	-			
18	4FT WRAPAROUND FIXTURE, WHITE FINISH	LED	4,000	3000K	40W	SURFACE	LITHONIA	FWL48-48-AL-06-SEF-835-ANVOLT	METALUX COLUMBIA DAYVERTE	-			
19	RECESSED PERIMETER FIXTURE, 10FT LENGTH, WHITE FINISH, SHALLOW REGRESSED LENS, VERIFY EXISTING CEILING MOUNTING REQUIREMENTS	LED	500LMT	3000K	54W	RECESSED	LUMENWERK	V9PERS-HL0-SW-80CR8-300LMP-39K-12-47-HUMV-01-1C-X04	FOCAL POINT AXID LEDARITE	-			
20	4" RECESSED HIGH ABUSE SEALED DOWNLIGHT	LED	1,200	3000K	11W	RECESSED	KEMALL	HDL4-FF-2F-W-1L-35W-FWQ-4904-277-DM1	-	-			
21	MEDIUM SECURITY 2X4 RECESSED TROFFER, WHITE FINISH, 0.125" PRISMATIC ARCLYIC INTERNAL LENS, 0.375" CLEAR POLYCARBONATE EXTERNAL LENS	LED	4,000	3000K	30W	RECESSED	LC DOANE	CRD-24-2W43-35-80-D-C-W-1W-DM-53-36-TP-D	-	-			
22	MEDIUM SECURITY 2X4 RECESSED TROFFER, WHITE FINISH, 0.125" PRISMATIC ARCLYIC INTERNAL LENS, 0.375" CLEAR POLYCARBONATE EXTERNAL LENS, WITH AMBER NIGHT LIGHT	LED	4,500	3000K	30W	RECESSED	LC DOANE	CRD-24-2W43-35-80-D-C-W-1W-DM-53-36-TP-D-NL-LED (AMBER)	-	4			
23	MAXIMUM SECURITY WALL BRACKET FIXTURE, 3FT LENGTH, UPDOWN LIGHT, WHITE FINISH, 0.125" PRISMATIC ARCLYIC INTERNAL LENS, 0.375" CLEAR POLYCARBONATE EXTERNAL LENS	LED	1,550 LP 1,675 DM	3000K	35W	WALL MOUNTED	LC DOANE	S3-2-W151-W151-35K-80CR8-K-C-W-9W-W-DM-53-36-TP-K-D	-	-			
24	MAXIMUM SECURITY WALL BRACKET FIXTURE, 4FT LENGTH, UPDOWN LIGHT, WHITE FINISH, 0.125" PRISMATIC ARCLYIC INTERNAL LENS, 0.375" CLEAR POLYCARBONATE EXTERNAL LENS	LED	1,675 LP 1,675 DM	3000K	34W	WALL MOUNTED	LC DOANE	S3-4-W171-W171-35K-80CR8-K-C-W-9W-W-DM-53-36-TP-K-D	-	-			
25	MAXIMUM SECURITY WALL BRACKET FIXTURE, 4FT LENGTH, UPDOWN LIGHT, WHITE FINISH, 0.125" PRISMATIC ARCLYIC INTERNAL LENS, 0.375" CLEAR POLYCARBONATE EXTERNAL LENS, WET LOCATION RATED	LED	1,675 LP 1,675 DM	3000K	34W	WALL MOUNTED	LC DOANE	S3-4-W171-W171-35K-80CR8-K-C-W-9W-W-DM-53-36-TP-K-D-W	-	-			
26	MAXIMUM SECURITY SURFACE 1X4 FIXTURE, WHITE FINISH, 0.125" PRISMATIC ARCLYIC INTERNAL LENS, 0.375" CLEAR POLYCARBONATE EXTERNAL LENS	LED	5,000	3000K	50W	SURFACE	LC DOANE	ST-4-1W52-35-80-K-C-W-1W-DM-53-36-TP-K-D	-	-			
27	MAXIMUM SECURITY SURFACE 2X2 FIXTURE, WHITE FINISH, 0.125" PRISMATIC ARCLYIC INTERNAL LENS, 0.375" CLEAR POLYCARBONATE EXTERNAL LENS	LED	7,800	3000K	69W	SURFACE	LC DOANE	SS-2-3L-35K-80CR8-K-C-W-1W-DM-53-36-TP-K-D	-	-			
28	4FT UNDERCABINET LIGHT FIXTURE, WHITE FINISH	LED	1,800	3000K	20W	UNDERCABINET	ELITE	EAL4ED-48-100L-DM15-ANVOLT-SG04W	-	-			
X1	THERMOPLASTIC EXT BSN, SINGLE OR DOUBLE FACED, GREEN LETTERING, ARROWS AS REQUIRED	LED	-	-	-	UNIVERSAL	LITHONIA	LGM-S-WG-120277	SUR-LITES DUAL-LITE CHLORIDE	-			
X2	SELF-CONTAINED EMERGENCY WALL PACK WITH EMERGENCY BATTERY	LED	-	-	-	WALL MOUNTED	LITHONIA	ELM4L	SUR-LITES DUAL-LITE CHLORIDE	-			
X3	HIGH ABUSE / CORRECTIONAL RATED EXT BSN, RED LETTERING, WET LOCATION RATED	LED	-	-	-	WALL MOUNTED	LC DOANE	XTL-C-W-SR-32-TP-W	-	-			
-	-	-	-	-	-	-	-	-	-	-			

GENERAL NOTES:
 4. MOUNTING HEIGHT IS TO BOTTOM OF LIGHT FIXTURE, UNLESS NOTED OTHERWISE.
 8. ALL FIXTURES SHALL BE 277V RATED, UNLESS OTHERWISE NOTED.

NOTES:
 1. PROVIDE STEM LENGTH AS REQUIRED TO MATCH MOUNTING HEIGHT OF THE PREVIOUS FIXTURES.
 2. PROVIDE MOUNTING HARDWARE, CONNECTOR CABLES, ACCESSORIES, ETC AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
 3. PER EXISTING DRAWINGS, THE CORRIDOR IS 7'-7" WIDE. FIELD VERIFY AND PROVIDE FIXTURE LENGTH AS REQUIRED TO SPAN CORRIDOR SIMILAR TO THE PREVIOUS FIXTURES.
 4. COORDINATE WITH OWNER AND DESIGN TEAM ON EXACT NIGHTLIGHT AMBER SETTINGS PRIOR TO ORDERING.



DETAIL GENERAL NOTES

- UL924 LISTED DEVICE.
- PROVIDE DEVICE COMPATIBLE WITH LIGHTING CONTROLS AND DIMMING PROTOCOL BEING PROVIDED.
- INSTALL DEVICE ABOVE AN ACCESSIBLE CEILING OR ADJACENT TO SOURCE PANEL. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS.
- REFER TO THE LIGHTING CONTROL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

UL 924 LISTED DEVICE [E]

EMERGENCY LIGHTING RELAY DETAIL

E3.0 NO SCALE

EQUIPMENT CONNECTION SCHEDULE										
EQUIP.	DESCRIPTION	KW	HP	VOLTS	PHASE	WIRING	DISCONNECT SWITCH	MOTOR STARTER	CONNECTION	NOTES
RTU-1	ROOF-TOP UNIT	-	-	480	3Ø	3-Ø-2 #6 GND	200AMP FUSIBLE NEMA 3R	-	DIRECT	REUSE EXISTING CONDUIT THAT FED PREVIOUS UNIT.
RTU-2	ROOF-TOP UNIT	-	-	480	3Ø	3-Ø-2 #6 GND	200AMP FUSIBLE NEMA 3R	-	DIRECT	REUSE EXISTING CONDUIT THAT FED PREVIOUS UNIT.
RTU-3	ROOF-TOP UNIT	-	-	480	3Ø	3-Ø-2 #6 GND	200AMP FUSIBLE NEMA 3R	-	DIRECT	REUSE EXISTING CONDUIT THAT FED PREVIOUS UNIT.
RTU-4	ROOF-TOP UNIT	-	-	480	3Ø	3-Ø-2 #6 GND	200AMP FUSIBLE NEMA 3R	-	DIRECT	REUSE EXISTING CONDUIT THAT FED PREVIOUS UNIT.
RTU-1 (VABRO)	ROOF-TOP UNIT (VABRO BUILDING)	-	-	480	3Ø	-	INTEGRAL	-	DIRECT	REUSE EXISTING CIRCUIT THAT FED PREVIOUS UNIT.

GENERAL NOTES:
 A. LOW VOLTAGE HVAC CONTROL WIRING SHALL BE BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
 B. EXHAUST FANS ARE FURNISHED WITH AN INTEGRAL DISCONNECTING MEANS, UNLESS NOTED OTHERWISE.



MORGAN COUNTY JUSTICE CENTER
 FORT MORGAN, COLORADO

PROJECT #
 DATE: 08.19.24
 DRAWN: RJH / RS
 CHECKED: JH
 REVISIONS

DATE	DESCRIPTION

