

STRANG

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

MADISON, WI | WAUKESHA, WI

CONSTRUCTION
DRAWINGS

ISSUED FOR
CONSTRUCTION

GENERAL ELECTRICAL NOTES

- 1 MOUNT EQUIPMENT AT NOMINAL MOUNTING HEIGHT INDICATED ON THE DRAWINGS OR DETAILED ON ARCHITECTURAL ELEVATIONS.
- 2 INSTALL INSULATED GREEN GROUND CONDUCTOR WITH ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS. SIZE PER NEC TABLE 250.122.
- 3 ELECTRICAL CONTRACTOR SHALL PROVIDE SLEEVED OPENING WHERE REQUIRED TO RUN CONDUITS AND CABLE SYSTEMS THROUGH SLABS, WALLS, CEILINGS, AND FLOORS, EXCEPT WHERE OTHERWISE NOTED. SEE ARCHITECTURAL DRAWINGS FOR WALL TYPE AND SPEC SECTION 07 84 00 FOR SPECIFIC FIRE STOP METHODS.
- 4 CONTRACTOR SHALL REFER TO ELECTRICAL SPECIFICATIONS FOR MATERIAL AND EXECUTION OF WORK.
- 5 CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATIONS OF ALL EXISTING SERVICES AFFECTED BY THIS PROJECT.
- 6 ALL HOME RUNS SHALL BE MINIMUM 3/4" EMT.
- 7 THE CONTRACTOR SHALL REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER SECTIONS FOR ADDITIONAL/RELATED ELECTRICAL REQUIREMENTS AS LISTED IN THE RESPECTIVE DIVISIONS.
- 8 ALL WORK SHOWN IS DIAGRAMMATIC IN NATURE AND INTENDED TO ILLUSTRATE GENERAL INTENT ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ADDITIONAL LABOR, MATERIALS, ACCESSORIES, EQUIPMENT, ETC. REQUIRED TO CREATE A FULLY FUNCTIONAL SYSTEM IN ACCORDANCE WITH THESE DRAWINGS, APPLICABLE CODES, AND INDUSTRY STANDARDS.
- 9 ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE WITH ALL OTHER CONTRACTORS TO ENSURE CONFLICTS DO NOT ARISE. ALL COORDINATION CONFLICTS BETWEEN CONTRACTORS SHALL BE RESOLVED IN A MANNER THAT IS ACCEPTABLE TO OWNER, ARCHITECT, AND ENGINEER, AT NO COST TO THE PROJECT.
- 10 ALL ELECTRICAL CONNECTIONS TO OTHER CONTRACTORS' EQUIPMENT SHALL BE FULLY COORDINATED WITH THE PROVIDING CONTRACTOR PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ADJUSTMENTS NEEDED TO PROVIDE POWER TO EQUIPMENT. ANY ADJUSTMENTS REQUIRED SHALL BE AT NO COST TO THE PROJECT.

ELECTRICAL ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	MC	MECHANICAL/HVAC CONTRACTOR
AFF	ABOVE FINISH FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINAL GRADE	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MEGB	MAIN EQUIPMENT GROUNDING BUS
ALT	ALTERNATE	MN	MINIMUM
APPROX	APPROXIMATELY	MISC	MISCELLANEOUS
AMP	AMPERE	MLO	MAIN LUG ONLY
ARCH	ARCHITECT, ARCHITECTURAL	MMS	MANUAL MOTOR STARTER
ATS	AUTOMATIC TRANSFER SWITCH	MFR	MANUFACTURER
AUX	AUXILIARY	MTR	MOTOR
AV	AUDIO VISUAL	MTS	MANUAL TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE	MW	MICROWAVE
BFG	BELOW FINAL GRADE	N.C.	NORMALLY CLOSED
BLDG	BUILDING	NEC	NATIONAL ELECTRICAL CODE
BSC	BIO SAFETY CABINET	NEMA	NATIONAL ELECTRICAL MFR ASSOC.
C	CONDUIT	NFSS	NON-FUSED SAFETY SWITCH
CB	CIRCUIT BREAKER	NL	NIGHTLIGHT
CCTV	CLOSED CIRCUIT TELEVISION	N.O.	NORMALLY OPEN
CFI	CONTR. FURNISHED, CONTR. INSTALLED	NTS	NOT TO SCALE
CCT	CIRCUIT	NU	NEAR UNIT
CLG	CEILING	OFCI	OWNER FURNISHED, CONTR. INSTALLED
CONT	CONTINUOUS, CONTINUATION	OFOI	OWNER FURNISHED, OWNER INSTALLED
CONTR	CONTRACTOR	OU	ON UNIT
CT	CABLE TRAY	P	POLE
CTP	CLEAN TECHNICAL POWER	PBC	PLUMBING CONTRACTOR
CU	CENTER	PDO	POWER DOOR OPERATOR
CU	COPPER	PH	PHASE
DAS	DISTRIBUTED ANTENNA SYSTEM	PNL	PANEL
DED	DEDICATED	PP	POWER POLE
DISC	DISCONNECT	PR	PRIMARY
DIST	DISTRIBUTION	PRV	POWER ROOF VENTILATOR
DIV	DIVISION	PVC	POLYVINYL CHLORIDE
DWG	DRAWING	SCR	SHORT CIRCUIT CURRENT RATING
EBU	EMERGENCY BATTERY UNIT	SHT	SHEET
EC	ELECTRICAL CONTRACTOR	SPEC	SPECIFICATION
EGB	EQUIPMENT GROUND BUS	SPKR	SPEAKER
ELCU	EMERGENCY LIGHTING CONTROL UNIT	SP	SPEAKER
ELEC	ELECTRICAL	SPO	SURGE PROTECTIVE DEVICE
ELEV	ELEVATOR	STD	STANDARD
EM	EMERGENCY	SUSP	SUSPENDED
EMT	ELECTRICAL METAL TUBING	SW	SWITCH
EQUIP	EQUIPMENT	SWBD	SWITCHBOARD
ER	ELEVATOR RECALL	SWGR	SWITCHGEAR
ETR	EXISTING TO REMAIN	SYM	SYMMETRICAL
EW	ELECTRIC WATER COOLER	SYS	SYSTEM
F	FUSE	TR	TEMPERATURE
FA	FIRE ALARM	TCP	TEMPERATURE CONTROL PANEL
FB	FLOOR BOX	TMGB	TELECOM MAIN GROUND BUS
FL	FLOOR	TEL	TELEPHONE
FPC	FIRE PROTECTION CONTRACTOR	XFMR	TRANSFORMER
GC	GENERAL CONTRACTOR	TV	TELEVISION
GD	GARBAGE DISPOSAL	TYP	TYPICAL
GFCI	GROUND FAULT CKT INTERRUPTER	UG	UNDERGROUND
GND	GROUND	UH	UNIT HEATER
GYP	GYPSPUM	UNO	UNLESS NOTED OTHERWISE
HOA	HAND-OFF-AUTOMATIC SWITCH	V	VOLT
HORIZ	HORIZONTAL	VA	VOLT AMPERE
HP	HORSEPOWER	VDP	VIDEO DISPLAY PANEL
HT	HEIGHT	VERT	VERTICAL
IG	ISOLATED GROUND	VFD	VARIABLE FREQUENCY DRIVE
IT	INFORMATION TECHNOLOGY	VSD	VARIABLE SPEED DRIVE
JB	JUNCTION BOX	W	WATT
KVA	KILOVOLT-AMPERE	WI	WITH
KV	KILOVOLT	WC	WATER CLOSET
KVA	KILOVOLT-AMPERE	W/O	WITHOUT
KW	KILOWATT	WP	WET LOCATION/WEATHERPROOF
KWH	KILOWATT HOUR	XP	EXPLOSION PROOF
LTS	LIGHTS		
LV	LOW VOLTAGE		

TELECOMMUNICATIONS DEVICE SYMBOLS	
	WALL DATA OUTLET
	WALL DATA OUTLET - ABOVE COUNTER
	ANTENNAS
	CABLE AND (2) CEILING DATA JACKS FOR WIRELESS ACCESS POINT BY OWNER UNO

FIRE ALARM DEVICE SYMBOLS	
	FIRE ALARM PULL STATION PROVIDE POLYCARBONATE TAMPER COVER (WITH LOCAL ALARM)
	WALL HORN AUDIBLE-ONLY NOTIFICATION APPLIANCE
	WALL AUDIBLE/VISUAL NOTIFICATION APPLIANCE INDICATES MINIMUM VISUAL APPLIANCE CANDELA RATING (TYP.)
	WALL MOUNTED VISUAL-ONLY NOTIFICATION APPLIANCE
	CEILING MOUNTED AUDIBLE-ONLY NOTIFICATION APPLIANCE
	CEILING MOUNTED AUDIBLE/VISUAL NOTIFICATION APPLIANCE
	CEILING MOUNTED VISUAL-ONLY NOTIFICATION APPLIANCE
AUDIBLE NOTIFICATION APPLIANCES SHALL BE TEMPORAL TYPE, UNO.	
	SMOKE DETECTOR
	E-ELEVATOR RECALL, DH=DOOR HOLD OPEN DEVICE RELEASE
	DUCT SMOKE DETECTOR
	HEAT DETECTOR
	FIRE ALARM REMOTE ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ADDRESSABLE CONTROL MODULE
	FIRE ALARM ADDRESSABLE MONITOR MODULE
	REMOTE TEST AND INDICATOR STATION

RECEPTACLE DEVICE SYMBOLS	
	DUPLEX RECEPTACLE NEMA 5-20R, UNO SHADING STANDBY POWER ABOVE COUNTER
	SIMPLEX RECEPTACLE NEMA CONFIG 5-20R, UNO SHADING STANDBY POWER ABOVE COUNTER
	DOUBLE DUPLEX RECEPTACLE NEMA 5-20R, UNO SHADING STANDBY POWER ABOVE COUNTER

WHERE RECEPTACLES OR DATA DEVICES ARE NOTED AS "ABOVE COUNTER" THEY SHALL BE MOUNTED 6" ABOVE COUNTER OR 46" AFF WHERE NOT LOCATED ABOVE A COUNTER, UNLESS OTHERWISE NOTED ON PLANS, DETAILS, OR AS SHOWN ON ARCHITECTURAL ELEVATIONS.

POWER DISTRIBUTION SYMBOLS	
	MOTOR OR ELECTRICAL CONNECTION TO EQUIPMENT. SEE ELECTRICAL CONNECTION SCHEDULE (UNO)
	PANEL BOARD
	ELECTRICAL CONNECTION - SEE SCHEDULE (UNO)
	SHADING INDICATES STANDBY
	NON-FUSED SAFETY DISCONNECT SWITCH
	FUSED SAFETY DISCONNECT SWITCH
	COMBINATION STARTER/DISCONNECT SWITCH
	COMBINATION VARIABLE FREQUENCY DRIVE/DISCONNECT SWITCH
	TRANSFORMER - SEE SCHEDULE (UNO)
	AUTOMATIC TRANSFER SWITCH
	SURGE PROTECTIVE DEVICE

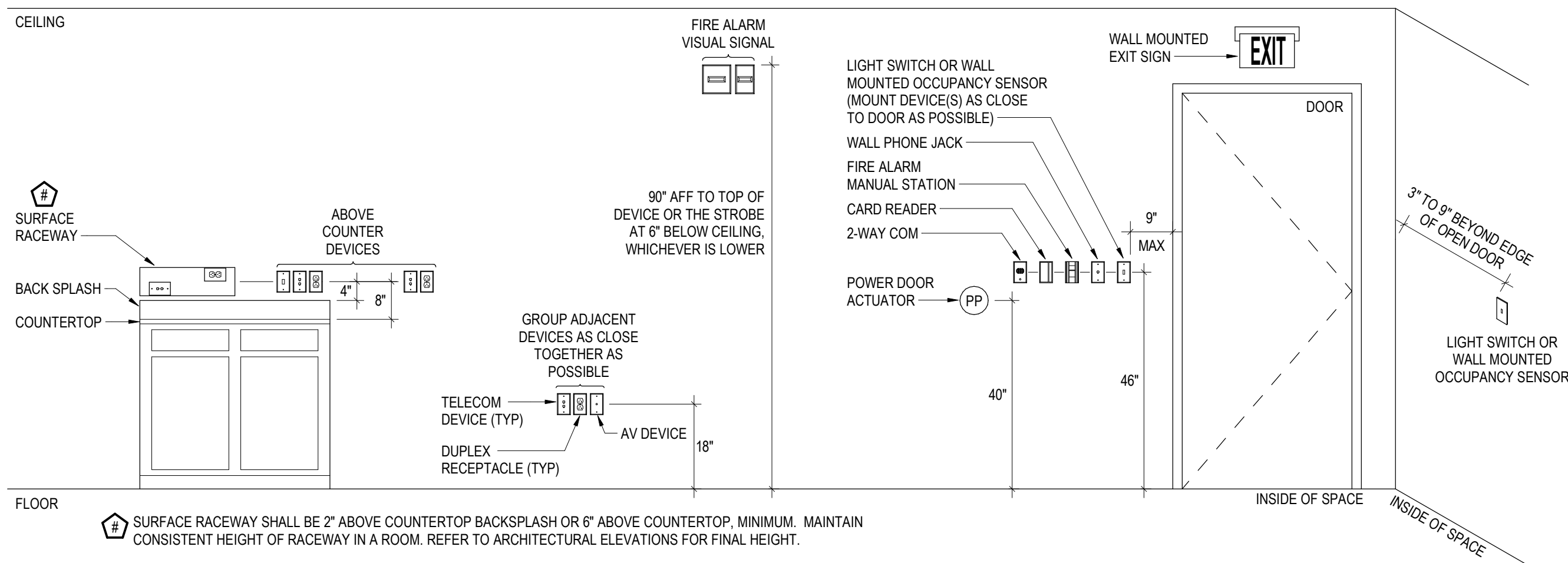
MISCELLANEOUS SYMBOLS	
	JUNCTION BOX

LINETYPE EXPLANATION	
	[HALF-TONE SYMBOLS] EXISTING DEVICES, LUMINAIRES, AND RACEWAYS TO REMAIN IN PLACE AND IN SERVICE.
	[DASHED SYMBOLS] EXISTING DEVICES, LUMINAIRES, AND RACEWAYS TO BE DEMOLISHED / REMOVED UNDER THIS CONTRACT.
	[SOLID BOLD SYMBOLS] NEW DEVICES, LUMINAIRES, AND RACEWAYS PROVIDED AND INSTALLED UNDER THIS CONTRACT.
	[GRAY HATCH BOX] AREA NOT IN CONTRACT (N.I.C.) / OUT OF SCOPE. NO WORK IN THIS AREA.

LIGHTING SYMBOLS	
LIGHTING IS REPRESENTED BY SHAPES WHICH REPRESENT THE APPROXIMATE SIZE AND SHAPE OF THE LUMINAIRES SPECIFIED. THE ACTUAL FIXTURE SPECIFICATION AND LOCATION (WALL, CEILING, FLOOR, ETC.) IS BASED ON THE DATA IN THE LUMINAIRE SCHEDULE FOR THE LISTED FIXTURE TYPE AND OTHER DOCUMENTATION.	
	LUMINAIRE ID (SEE LUMINAIRE SCHEDULE)
	EM (EMERGENCY BRANCH DESIGNATION) / SB (OPTIONAL STANDBY)
	CONTROL ZONE DESIGNATION
	PANEL AND CIRCUIT DESIGNATION
	SLASH INDICATES LUMINAIRE ON NEC702 OPTIONAL STANDBY.
	FULL OR HALF SLUSH INDICATES LUMINAIRE ON NEC702 EMERGENCY BRANCH.
	MEDIAL LINES DENOTE TROFFER ORIENTATION
SWITCH ZONE DESIGNATIONS ON FIXTURES CORRESPOND WITH CONTROL DEVICES (I.E. SWITCHES, SENSORS, ETC) WITH THE SAME DESIGNATION	
	ROUND RECESSED DOWNLIGHT, ROUND PENDANT LUMINAIRE, ROUND GROUND MOUNTED UPLIGHT.
	SQUARE RECESSED DOWNLIGHT, SQUARE WALL MOUNTED LUMINAIRE, SQUARE GROUND MOUNTED UPLIGHT.
	2x2 RECESSED, SURFACE, PENDANT LUMINAIRE.
	1x4 CEILING MOUNTED, LINEAR DIRECT/INDIRECT, LINEAR WALL WASH, WALL MOUNTED LUMINAIRE.
	2x4 RECESSED, SURFACE, PENDANT LUMINAIRE.
	4' INDUSTRIAL LUMINAIRE
	WALL MOUNTED LUMINAIRE
	WALL MOUNTED SPOT-TYPE EMERGENCY BATTERY UNIT
	CEILING MOUNTED EXIT OR AREA OF RESCUE ASSISTANCE SIGN.
	WALL MOUNTED EXIT OR AREA OF RESCUE ASSISTANCE SIGN.

LOW VOLTAGE LIGHTING CONTROL DEVICE SYMBOLS	
	DEVICE CONFIGURATION NOTATION (TYP. REFER TO LIGHTING DETAILS FOR ALL SEQUENCES OF OPERATIONS AND ADDITIONAL REQUIREMENTS.
	LIGHTING CONTROL BUTTON STATION. REFER TO LIGHTING DETAILS FOR REQUIREMENTS.
	CEILING OCCUPANCY SENSOR, DUAL TECHNOLOGY SMALL MOTION.
	CEILING OCCUPANCY SENSOR, DUAL TECHNOLOGY LARGE MOTION.
	PENDANT MOUNT HIGH BAY OCCUPANCY SENSOR, DUAL TECHNOLOGY. MOUNT AT SAME HEIGHT AS ADJACENT LUMINAIRE.
	DAYLIGHT HARVESTING SENSOR.

ACCESS CONTROL & CCTV DEVICE SYMBOLS	
	CCTV CAMERA
	# DENOTES CAMERA TYPE
	# DENOTES QUANTITY OF CATEGORY 6A CABLES/JACKS AT A PARTICULAR LOCATION (TYP.)



2 E001 TYPICAL MOUNTING HEIGHT DETAIL (UNO)

SCALE: NTS

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DRAWING SET	CD
DATE	08/31/2026
PROJECT NO.	2025012

PROJECT TITLE

SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

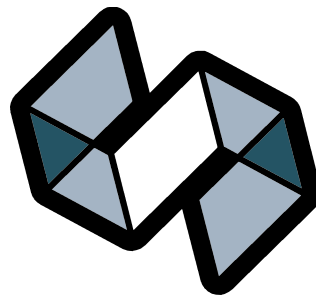
515 Oak St
Baraboo, WI 53913

SHEET NAME

ELECTRICAL
SYMBOLS,
ABBREVIATIONS AND
GENERAL NOTES

SHEET NO.

E001



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GENERAL DEMOLITION NOTES

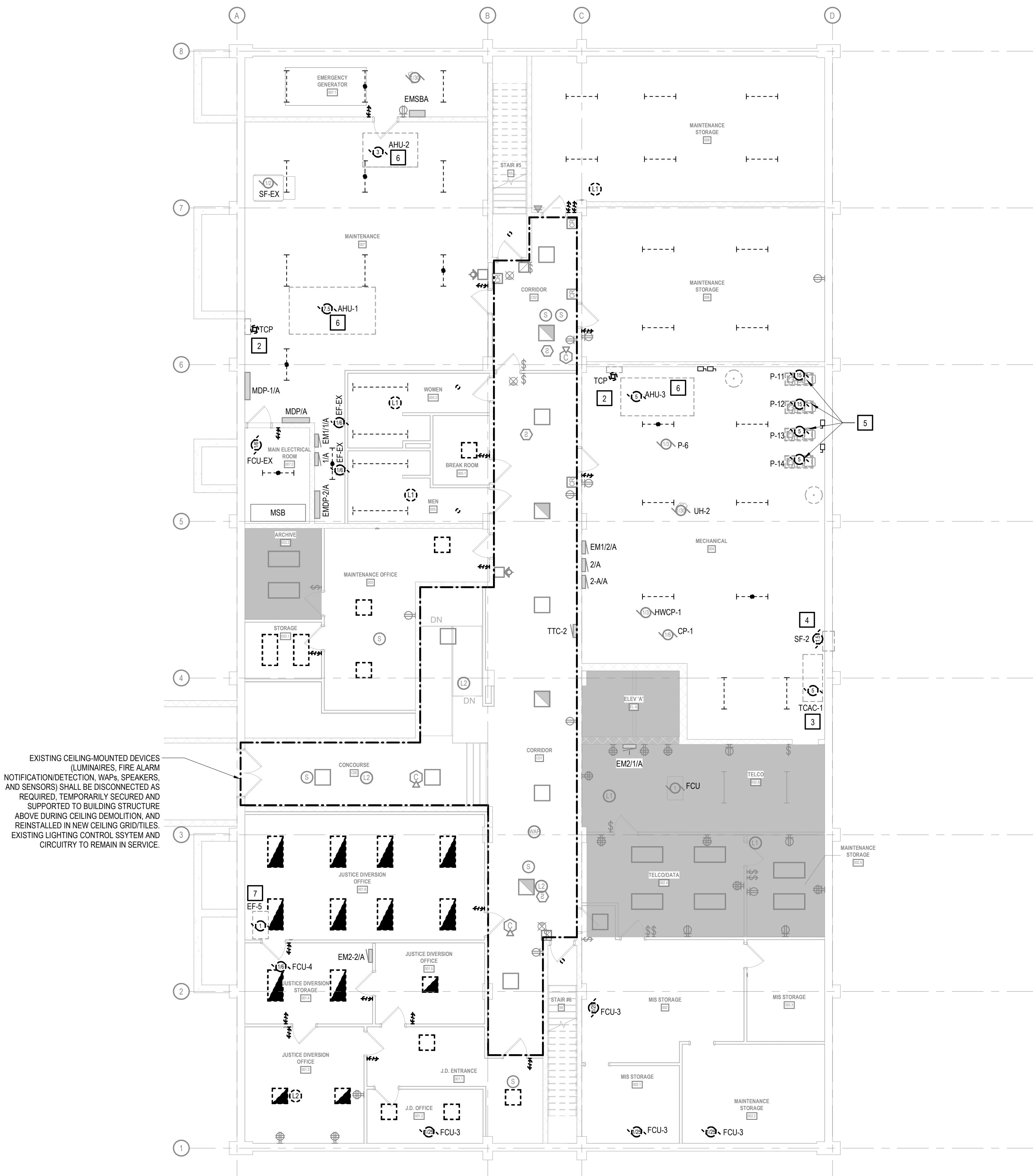
- 1 FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING DEMOLITION. EXISTING CONDUIT, RACEWAYS, BOXES, LUMINAIRES, AND SUPPORT SYSTEMS THAT INTERFERE WITH OR MUST BE MODIFIED/RELOCATED FOR NEW WORK SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK.
- 2 REMOVE ALL DEMOLISHED CONDUIT, CONDUCTORS, BOXES, WIRING DEVICES, AND LUMINAIRES INDICATED. MAINTAIN POWER AND CONTINUITY TO ALL EXISTING CIRCUITS AND SYSTEMS SCHEDULED TO REMAIN IN SERVICE. REMOVE ALL ABANDONED SUPPORTS, HANGERS, FASTENERS, AND FASTENER ANCHORS FLUSH WITH BUILDING SURFACES.
- 3 WHERE ELECTRICAL EQUIPMENT, LUMINAIRES, OR DEVICES ARE INDICATED FOR REMOVAL, DISCONNECT AND REMOVE ASSOCIATED BRANCH CIRCUIT WIRING BACK TO THE NEAREST ACTIVE JUNCTION BOX (IF CIRCUIT SERVES REMAINING LOADS) OR BACK TO SOURCE PANELBOARD. UPDATE PANEL DIRECTORY TO REFLECT REMOVED LOADS AS SPARES.
- 4 WHERE EXISTING CEILINGS ARE SCHEDULED FOR REMOVAL, EXISTING CEILING-MOUNTED SYSTEMS SCHEDULED TO REMAIN (INCLUDING BUT NOT LIMITED TO SPEAKERS, OCCUPANCY SENSORS, WAPS, AND SECURITY CAMERAS) SHALL BE SAFELY DISCONNECTED, TEMPORARILY SECURED/SUPPORTED TO BUILDING STRUCTURE ABOVE FOR CEILING REMOVAL, AND REINSTALLED IN THE NEW CEILING GRID/TILES.
- 5 REMOVE ALL ABANDONED CEILING-MOUNTED AND LOW-VOLTAGE DEVICES (SPEAKERS, SENSORS, CABLING, CONDUIT, J-BOXES, AND RACEWAYS) IN THEIR ENTIRETY BACK TO SOURCE/HEADEND RACK.
- 6 CONTRACTOR TO FIELD VERIFY EXISTING PANEL CAPACITIES, TRACE CIRCUITS, AND CONFIRM AVAILABLE SPARE BREAKER SPACES FOR NEW WORK. NOTIFY ENGINEER OF ANY SPACE OR CAPACITY CONFLICTS PRIOR TO ROUGH-IN.

SPECIFIC DEMOLITION NOTES

- 2 DISCONNECT EXISTING TEMPERATURE CONTROL PANEL. SALVAGE EXISTING BRANCH CIRCUIT RACEWAY AND CONDUCTORS TO BE REUSED FOR NEW TCP POWER.
- 3 DISCONNECT COMPRESSOR AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO SOURCE PANEL. COMPRESSOR UNIT REMOVAL BY DIV. 22.
- 4 DISCONNECT SUPPLY FAN AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO SOURCE PANEL. FAN REMOVAL BY DIV. 23.
- 5 DISCONNECT PUMPS AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO SOURCE PANEL. PUMPS REMOVAL BY DIV. 22/23.
- 6 DISCONNECT ELECTRICAL POWER AND CONTROL WIRING TO AIR HANDLING UNIT (AHU). AHU EQUIPMENT DEMOLITION AND REMOVAL BY MECHANICAL CONTRACTOR, DIV. 23.
- 7 DISCONNECT EXHAUST FAN AND REMOVE ASSOCIATED DISCONNECT, CONDUIT AND WIRE BACK TO SOURCE PANEL. EF REMOVAL BY DIV. 23.

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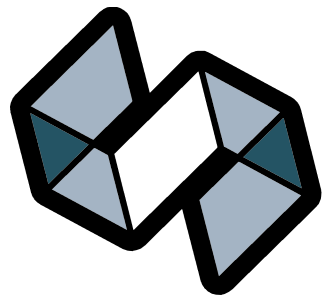
515 Oak St
Baraboo, WI 53913

SHEET NAME

BASEMENT FLOOR
DEMOLITION PLAN
(PHASE 1)

SHEET NO.

E100



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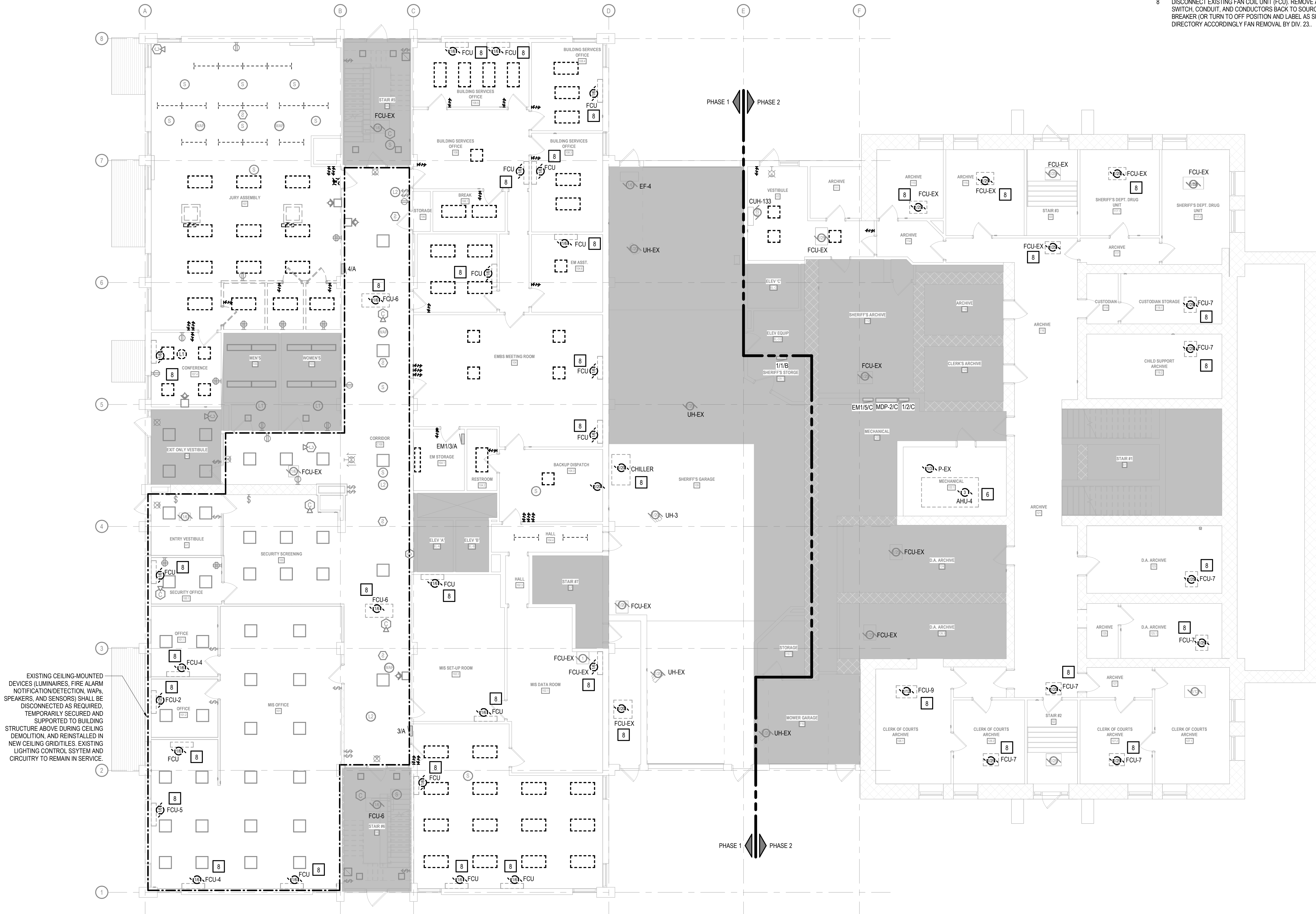
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GENERAL DEMOLITION NOTES

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- 5 REMOVE ALL ABANDONED CEILING-MOUNTED AND LOW-VOLTAGE DEVICES (SPEAKERS, SENSORS, CABLING, CONDUIT, J-BOXES, AND RACEWAYS) IN THEIR ENTIRETY BACK TO SOURCE/HEADEND RACK.
- 6 CONTRACTOR TO FIELD VERIFY EXISTING PANEL CAPACITIES, TRACE CIRCUITS, AND CONFIRM AVAILABLE SPARE BREAKER SPACES FOR NEW WORK. NOTIFY ENGINEER OF ANY SPACE OR CAPACITY CONFLICTS PRIOR TO ROUGH-IN.

SPECIFIC DEMOLITION NOTES

- 6 DISCONNECT ELECTRICAL POWER AND CONTROL WIRING TO AIR HANDLING UNIT (AHU). AHU EQUIPMENT DEMOLITION AND REMOVAL BY MECHANICAL CONTRACTOR, DIV. 23.
- 8 DISCONNECT EXISTING FAN COIL UNIT (FCU). REMOVE ASSOCIATED DISCONNECT SWITCH, CONDUIT, AND CONDUCTORS BACK TO SOURCE PANEL. REMOVE CIRCUIT BREAKER (OR TURN TO OFF POSITION AND LABEL AS SPARE), AND UPDATE PANEL DIRECTORY ACCORDINGLY. FAN REMOVAL BY DIV. 23.



EXISTING CEILING-MOUNTED DEVICES (LUMINAIRES, FIRE ALARM NOTIFICATION/DIRECTION, WAPs, SPEAKERS, AND SENSORS) SHALL BE DISCONNECTED AS REQUIRED, TEMPORARILY SECURED AND SUPPORTED TO BUILDING STRUCTURE ABOVE DURING CEILING DEMOLITION, AND REINSTALLED IN NEW CEILING GRID/TILES. EXISTING LIGHTING CONTROL SYSTEM AND CIRCUITRY TO REMAIN IN SERVICE.

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PROJECT TITLE

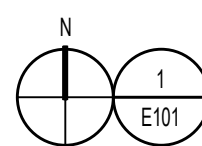
SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME

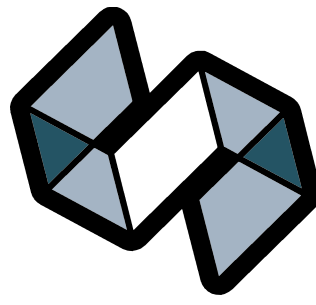
FIRST FLOOR
DEMOLITION PLAN
(PHASE 1 & 2)

SHEET NO.



FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

E101



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INTERIOR DESIGN

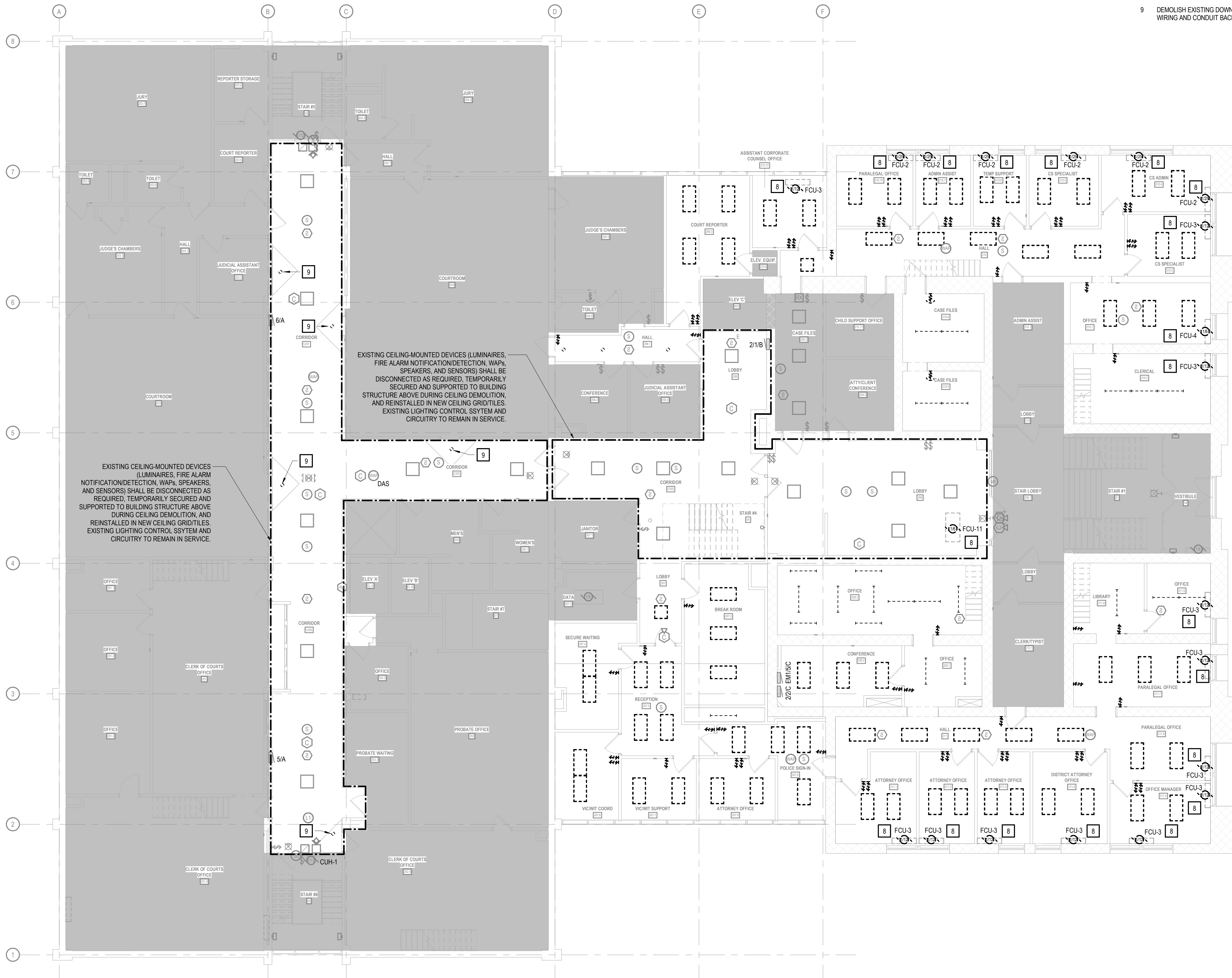
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- 9 DEMOLISH EXISTING DOWNLIGHT AND REMOVE EXISTING BRANCH CIRCUIT WIRING AND CONDUIT BACK TO NEAREST JUNCTION BOX.



CONSTRUCTION
DRAWINGS

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CONSTRUCTION

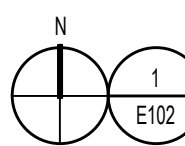
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DRAWING SET	CD
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PROJECT NO.	2025012

PROJECT TITLE
SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

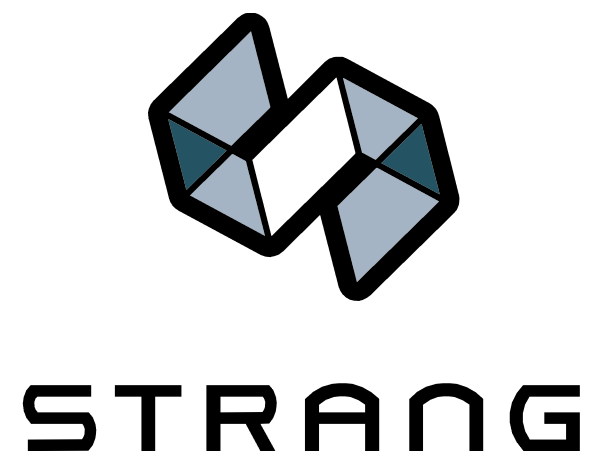
SHEET NAME
SECOND FLOOR
DEMOLITION PLAN
(PHASE 2)

SHEET NO.



SECOND FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

E102



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

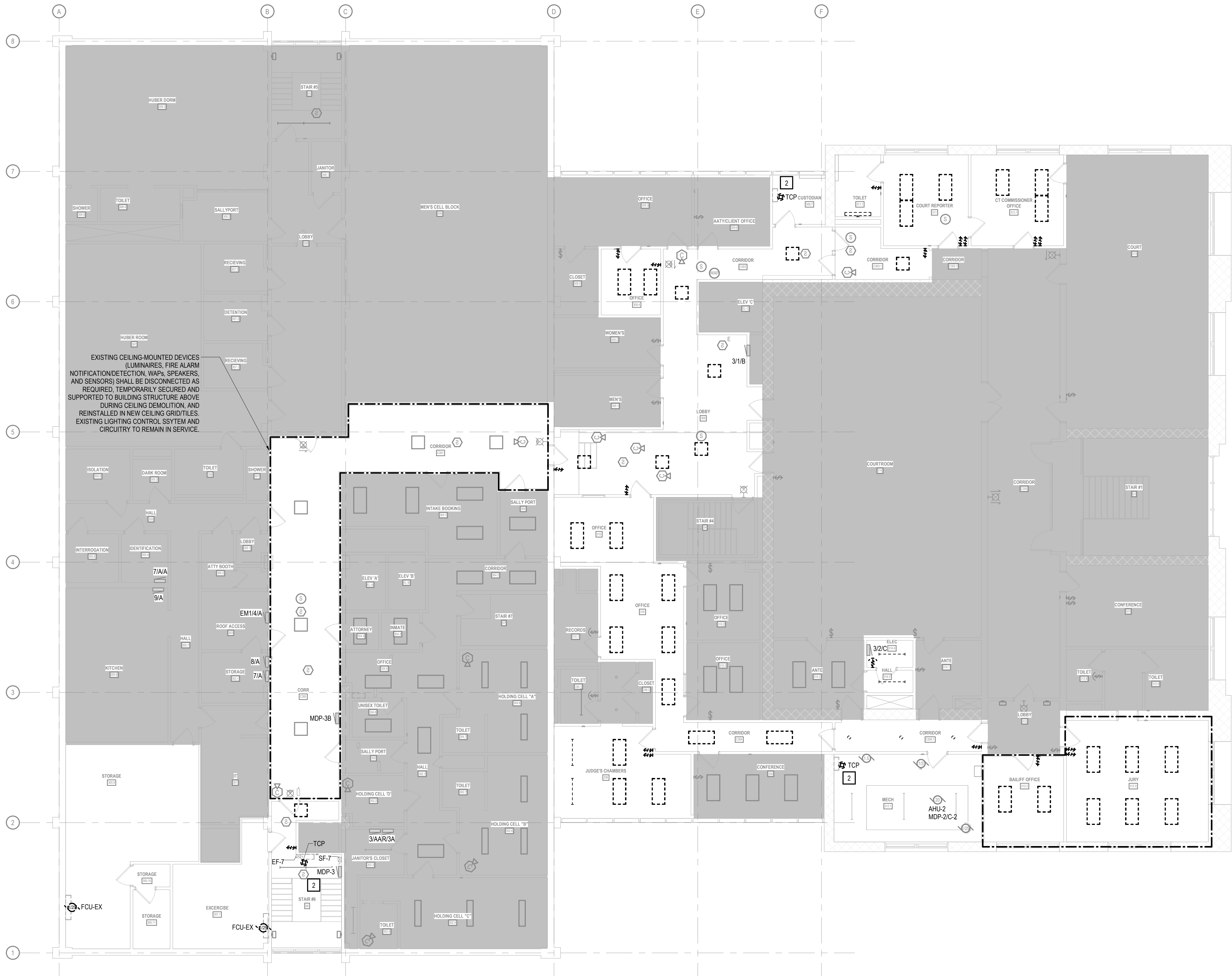
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- 2 REMOVE ALL DEMOLISHED CONDUIT, CONDUCTORS, BOXES, WIRING DEVICES, AND LUMINAIRES INDICATED. MAINTAIN POWER AND CONTINUITY TO ALL EXISTING CIRCUITS AND SYSTEMS SCHEDULED TO REMAIN IN SERVICE. REMOVE ALL ABANDONED SUPPORTS, HANGERS, FASTENERS, AND FASTENER ANCHORS FLUSH WITH BUILDING SURFACES.
- 3 WHERE ELECTRICAL EQUIPMENT, LUMINAIRES, OR DEVICES ARE INDICATED FOR REMOVAL, DISCONNECT AND REMOVE ASSOCIATED BRANCH CIRCUIT WIRING BACK TO THE NEAREST ACTIVE JUNCTION BOX (IF CIRCUIT SERVES REMAINING LOADS) OR BACK TO SOURCE PANELBOARD. UPDATE PANEL DIRECTORY TO REFLECT REMOVED LOADS AS SPARES.
- 4 WHERE EXISTING CEILINGS ARE SCHEDULED FOR REMOVAL, EXISTING CEILING-MOUNTED SYSTEMS SCHEDULED TO REMAIN (INCLUDING BUT NOT LIMITED TO SPEAKERS, OCCUPANCY SENSORS, WAPs, AND SECURITY CAMERAS) SHALL BE SAFELY DISCONNECTED, TEMPORARILY SECURED/SUPPORTED TO BUILDING STRUCTURE ABOVE FOR CEILING REMOVAL, AND REINSTALLED IN THE NEW CEILING GRID/TILES.
- 5 REMOVE ALL ABANDONED CEILING-MOUNTED AND LOW-VOLTAGE DEVICES (SPEAKERS, SENSORS, CABLING, CONDUIT, J-BOXES, AND RACEWAYS) IN THEIR ENTIRETY BACK TO SOURCE/HEADEND RACK.
- 6 CONTRACTOR TO FIELD VERIFY EXISTING PANEL CAPACITIES, TRACE CIRCUITS, AND CONFIRM AVAILABLE SPARE BREAKER SPACES FOR NEW WORK. NOTIFY ENGINEER OF ANY SPACE OR CAPACITY CONFLICTS PRIOR TO ROUGH-IN.

SPECIFIC DEMOLITION NOTES

- 2 DISCONNECT EXISTING TEMPERATURE CONTROL PANEL, SALVAGE EXISTING BRANCH CIRCUIT RACEWAY AND CONDUCTORS TO BE REUSED FOR NEW TCP POWER.



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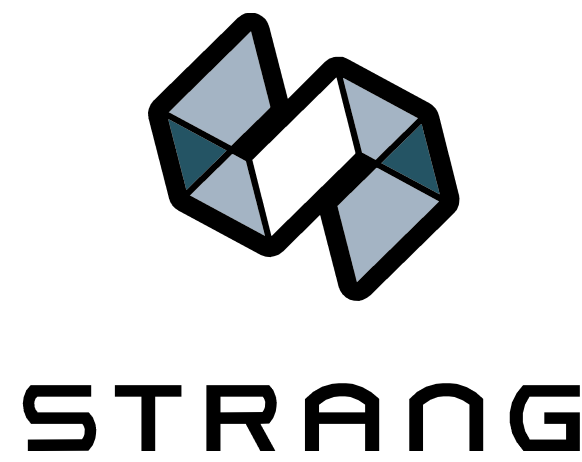
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DRAWING SET	CD
DATE	08/31/2026
PROJECT NO.	2025012

PROJECT TITLE
SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME
THIRD FLOOR
DEMOLITION PLAN
(PHASE 3)

SHEET NO.



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

MADISON, WI | WAUKESHA, WI

GENERAL DEMOLITION NOTES

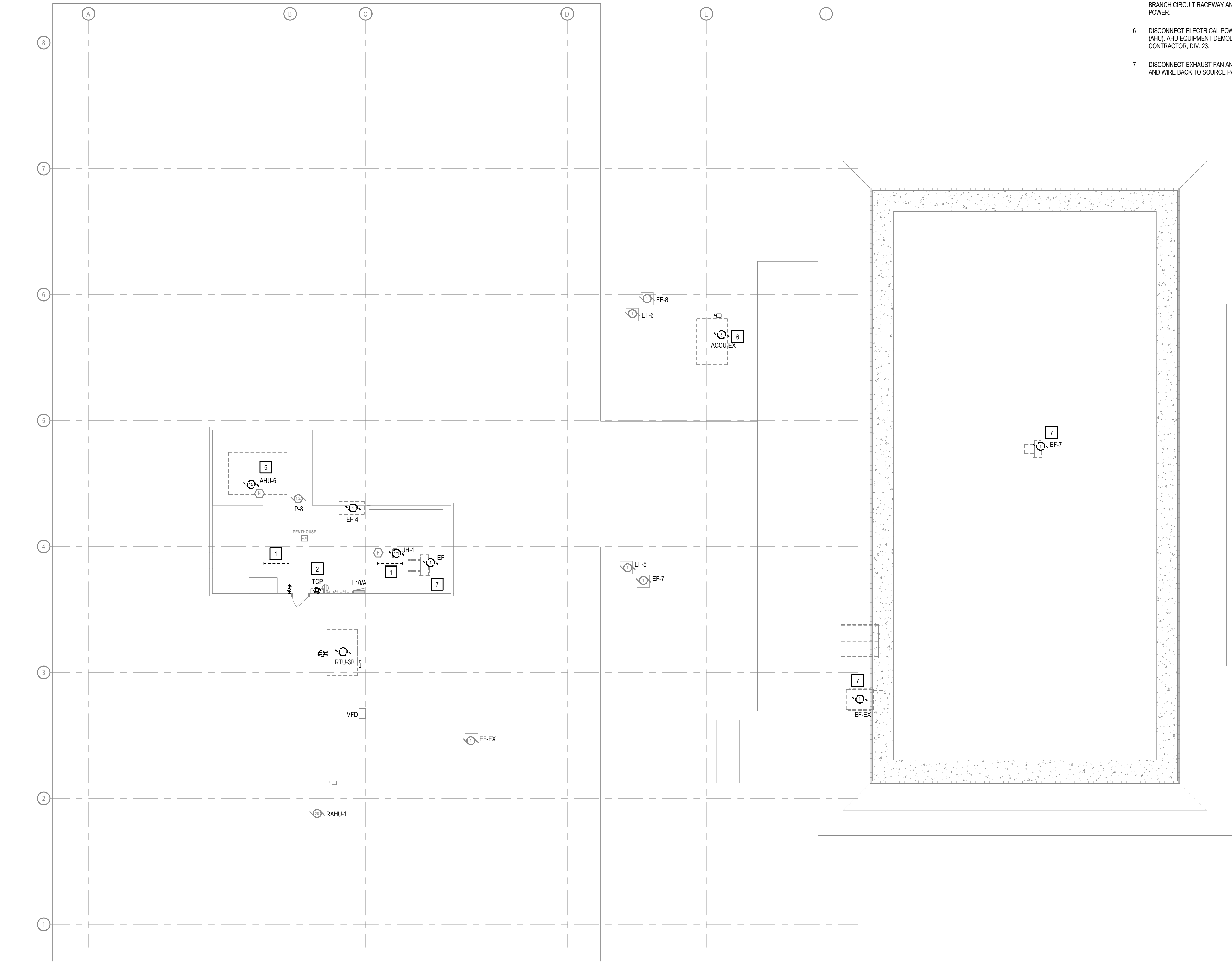
- 1 FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING DEMOLITION. EXISTING CONDUIT, RACEWAYS, BOXES, LUMINAIRES, AND SUPPORT SYSTEMS THAT INTERFERE WITH OR MUST BE MODIFIED/RELOCATED FOR NEW WORK SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK.
- 2 REMOVE ALL DEMOLISHED CONDUIT, CONDUCTORS, BOXES, WIRING DEVICES, AND LUMINAIRES INDICATED. MAINTAIN POWER AND CONTINUITY TO ALL EXISTING CIRCUITS AND SYSTEMS SCHEDULED TO REMAIN IN SERVICE. REMOVE ALL ABANDONED SUPPORTS, HANGERS, FASTENERS, AND FASTENER ANCHORS FLUSH WITH BUILDING SURFACES.
- 3 WHERE ELECTRICAL EQUIPMENT, LUMINAIRES, OR DEVICES ARE INDICATED FOR REMOVAL, DISCONNECT AND REMOVE ASSOCIATED BRANCH CIRCUIT WIRING BACK TO THE NEAREST ACTIVE JUNCTION BOX (IF CIRCUIT SERVES REMAINING LOADS) OR BACK TO SOURCE PANELBOARD. UPDATE PANEL DIRECTORY TO REFLECT REMOVED LOADS AS SPARES.
- 4 WHERE EXISTING CEILINGS ARE SCHEDULED FOR REMOVAL, EXISTING CEILING-MOUNTED SYSTEMS SCHEDULED TO REMAIN (INCLUDING BUT NOT LIMITED TO SPEAKERS, OCCUPANCY SENSORS, WAPs, AND SECURITY CAMERAS) SHALL BE SAFELY DISCONNECTED, TEMPORARILY SECURED/SUPPORTED TO BUILDING STRUCTURE ABOVE FOR CEILING REMOVAL, AND REINSTALLED IN THE NEW CEILING GRID/TILES.
- 5 REMOVE ALL ABANDONED CEILING-MOUNTED AND LOW-VOLTAGE DEVICES (SPEAKERS, SENSORS, CABLING, CONDUIT, J-BOXES, AND RACEWAYS) IN THEIR ENTIRETY BACK TO SOURCE/HEADEND RACK.
- 6 CONTRACTOR TO FIELD VERIFY EXISTING PANEL CAPACITIES, TRACE CIRCUITS, AND CONFIRM AVAILABLE SPARE BREAKER SPACES FOR NEW WORK. NOTIFY ENGINEER OF ANY SPACE OR CAPACITY CONFLICTS PRIOR TO ROUGH-IN.

SPECIFIC DEMOLITION NOTES

- 1 REMOVE EXISTING LIGHT FIXTURE(S), CONTROLS, AND ASSOCIATED CONDUIT/WIRING BACK TO NEAREST JUNCTION BOX TO REMAIN.
- 2 DISCONNECT EXISTING TEMPERATURE CONTROL PANEL. SALVAGE EXISTING BRANCH CIRCUIT RACEWAY AND CONDUCTORS TO BE REUSED FOR NEW TGP POWER.
- 6 DISCONNECT ELECTRICAL POWER AND CONTROL WIRING TO AIR HANDLING UNIT (AHU). AHU EQUIPMENT DEMOLITION AND REMOVAL BY MECHANICAL CONTRACTOR, DIV. 23.
- 7 DISCONNECT EXHAUST FAN AND REMOVE ASSOCIATED DISCONNECT, CONDUIT AND WIRE BACK TO SOURCE PANEL. EF REMOVAL BY DIV. 23.

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PROJECT NO.	2025012

PROJECT TITLE
SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME
PENTHOUSE AND
ROOF DEMOLITION
PLAN (PHASE 3)

SHEET NO.



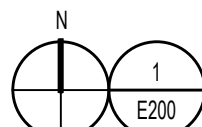
MADISON, WI | WAUKESHA, WI

- 1 REFER TO SHEET E911 FOR ALL LIGHTING CONTROL, SEQUENCES OF OPERATION.
- 2 COORDINATE FINAL LOCATIONS OF ALL LUMINAIRES, SEQUENCES, AND CONTROLS WITH ARCHITECTURAL REFLECTED CEILING PLAN (RCP) PRIOR TO ROUGH-IN.
- 3 CONNECT EXIT SIGNS UNWITHTHED TO THE LOCAL EMERGENCY BRANCH CIRCUIT AHEAD OF ALL LIGHTING CONTROLS.

WHERE MULTIPLE OCCUPANCY SENSORS SERVE A SINGLE ROOM OR CORRIDOR, INTERCONNECT SENSORS SO THAT ANY DETECTED MOTION ENERGIZES ALL ASSOCIATED LUMINAIRES SIMULTANEOUSLY.

- 5 CONTROL ALL LUMINAIRES WITH ENCLOSED STARWELLS TOGETHER AS A SINGLE LIGHTING ZONE.
- 6 REFER TO SHEET E911 FOR LUMINAIRE SCHEDULE.
- 7 PROVIDE COMPLETE OCCUPANCY/AVAILANCY SENSOR COVERAGE IN ALL DESIGNATED SPACES. REFER TO SPECIFICATION SECTION 26 09 26 FOR AUXILIARY CALL REQUIREMENTS.
- 8 AT ALL LOCATIONS WHERE EXISTING TWO-GANG LIGHTING CONTROLS ARE REDUCED TO A SINGLE SWITCH, REUSE THE EXISTING TWO-GANG BACKBOX TO PROVIDE A SWITCHING POINT. PROVIDE A NEW TWO-GANG DEVICE FACEPLATE FEATURING ONE ACTIVE SWITCH AND ONE BLANK INSET.

1.4 CONNECT LUMINAIRE TO EXISTING EMERGENCY BRANCH CIRCUIT AND RECONNECT TO EXISTING LIGHTING CONTROLS VIA NEW UL924 RELAY.



BASEMENT FLOOR LIGHTING PLAN

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

**ISSUED FOR
CONSTRUCTION**

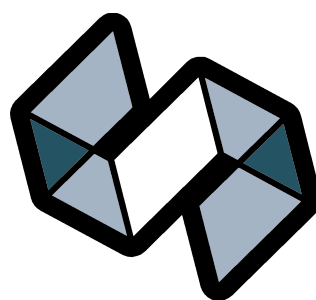
PROJECT TITLE

515 Oak St
Baraboo, WI 53913

SHEET NAME

SHEET NO.

E200



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ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

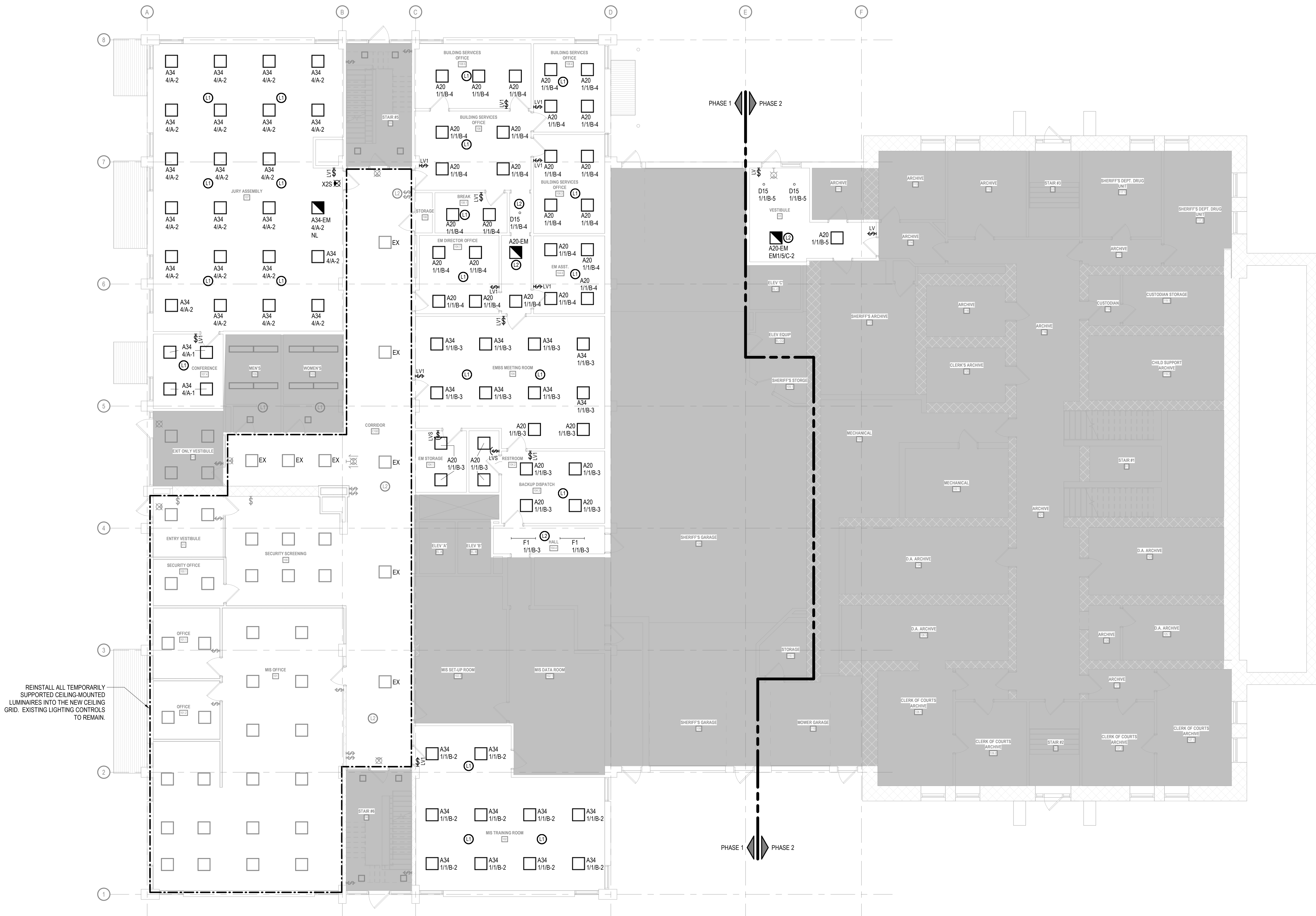
MADISON, WI | WAUKESHA, WI

GENERAL LIGHTING NOTES

- 1 REFER TO SHEET E911 FOR ALL LIGHTING CONTROL SEQUENCES OF OPERATION.
- 2 COORDINATE FINAL LOCATIONS OF ALL LUMINAIRES, SENSORS, AND CONTROLS WITH ARCHITECTURAL REFLECTED CEILING PLANS (RCP) PRIOR TO ROUGH-IN.
- 3 CONNECT EXIT SIGNS UNSWITCHED TO THE LOCAL EMERGENCY BRANCH CIRCUIT AHEAD OF ALL LIGHTING CONTROLS.
- 4 WHERE MULTIPLE OCCUPANCY SENSORS SERVE A SINGLE ROOM OR CORRIDOR, INTERCONNECT SENSORS SO THAT ANY DETECTED MOTION ENERGIZES ALL ASSOCIATED LUMINAIRES SIMULTANEOUSLY.
- 5 CONTROL ALL LUMINAIRES WITHIN ENCLOSED STAIRWELLS TOGETHER AS A SINGLE LIGHTING ZONE.
- 6 REFER TO SHEET E911 FOR LUMINAIRE SCHEDULE.
- 7 PROVIDE COMPLETE OCCUPANCY/VACANCY SENSOR COVERAGE IN ALL DESIGNATED SPACES. REFER TO SPECIFICATION SECTION 26 09 26 FOR AUXILIARY CONTACT REQUIREMENTS.
- 8 AT ALL LOCATIONS WHERE EXISTING TWO-GANG LIGHTING CONTROLS ARE REDUCED TO A SINGLE SWITCH, REUSE THE EXISTING TWO-GANG BACKBOX TO AVOID DRYWALL PATCHING. PROVIDE A NEW TWO-GANG DEVICE FACEPLATE FEATURING ONE ACTIVE SWITCH AND ONE BLANK INSERT.

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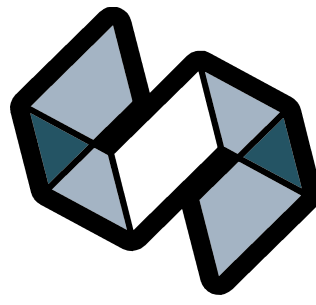
PROJECT TITLE
SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME
FIRST FLOOR
LIGHTING PLAN
(PHASE 1 & 2)

SHEET NO.

E201



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ENGINEERING
INTERIOR DESIGN

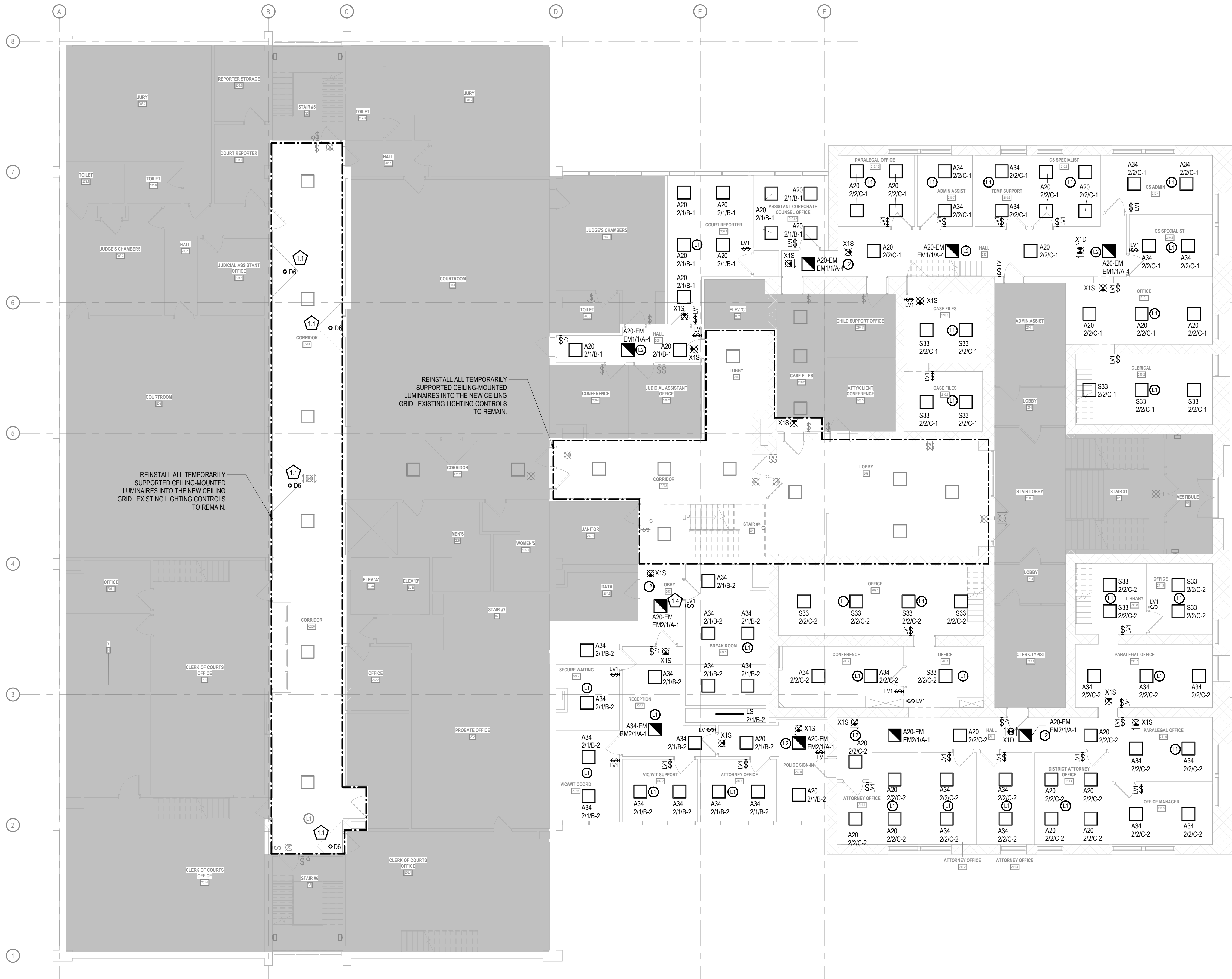
MADISON, WI | WAUKESHA, WI

GENERAL LIGHTING NOTES

- REFER TO SHEET E911 FOR ALL LIGHTING CONTROL SEQUENCES OF OPERATION.
- COORDINATE FINAL LOCATIONS OF ALL LUMINAIRES, SENSORS, AND CONTROLS WITH ARCHITECTURAL REFLECTED CEILING PLANS (RCP) PRIOR TO ROUGH-IN.
- CONNECT EXIT SIGNS UNSWITCHED TO THE LOCAL EMERGENCY BRANCH CIRCUIT AHEAD OF ALL LIGHTING CONTROLS.
- WHERE MULTIPLE OCCUPANCY SENSORS SERVE A SINGLE ROOM OR CORRIDOR, INTERCONNECT SENSORS SO THAT ANY DETECTED MOTION ENERGIZES ALL ASSOCIATED LUMINAIRES SIMULTANEOUSLY.
- CONTROL ALL LUMINAIRES WITHIN ENCLOSED STAIRWELLS TOGETHER AS A SINGLE LIGHTING ZONE.
- REFER TO SHEET E911 FOR LUMINAIRE SCHEDULE.
- PROVIDE COMPLETE OCCUPANCY/VACANCY SENSOR COVERAGE IN ALL DESIGNATED SPACES. REFER TO SPECIFICATION SECTION 26 09 26 FOR AUXILIARY CONTACT REQUIREMENTS.
- AT ALL LOCATIONS WHERE EXISTING TWO-GANG LIGHTING CONTROLS ARE REDUCED TO A SINGLE SWITCH, REUSE THE EXISTING TWO-GANG BACKBOX TO AVOID DRYWALL PATCHING. PROVIDE A NEW TWO-GANG DEVICE FACEPLATE FEATURING ONE ACTIVE SWITCH AND ONE BLANK INSERT.

SPECIFIC LIGHTING NOTES

- 1.1 PROVIDE NEW LED DOWNLIGHT AND CONNECT TO EXISTING LIGHTING CIRCUIT.
- 1.4 CONNECT LUMINAIRE TO EXISTING EMERGENCY BRANCH CIRCUIT AND RECONNECT TO EXISTING LIGHTING CONTROLS VIA NEW UL924 RELAY.



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DATE	08/31/2026
PROJECT NO.	2025012

PROJECT TITLE

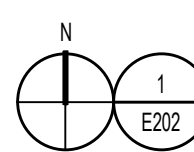
SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME

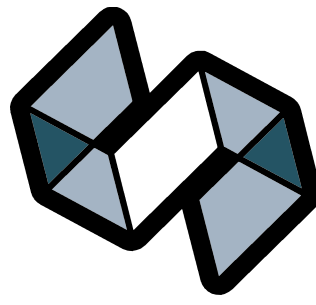
SECOND FLOOR
LIGHTING PLAN
(PHASE 2)

SHEET NO.



SECOND FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

E202



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INTERIOR DESIGN

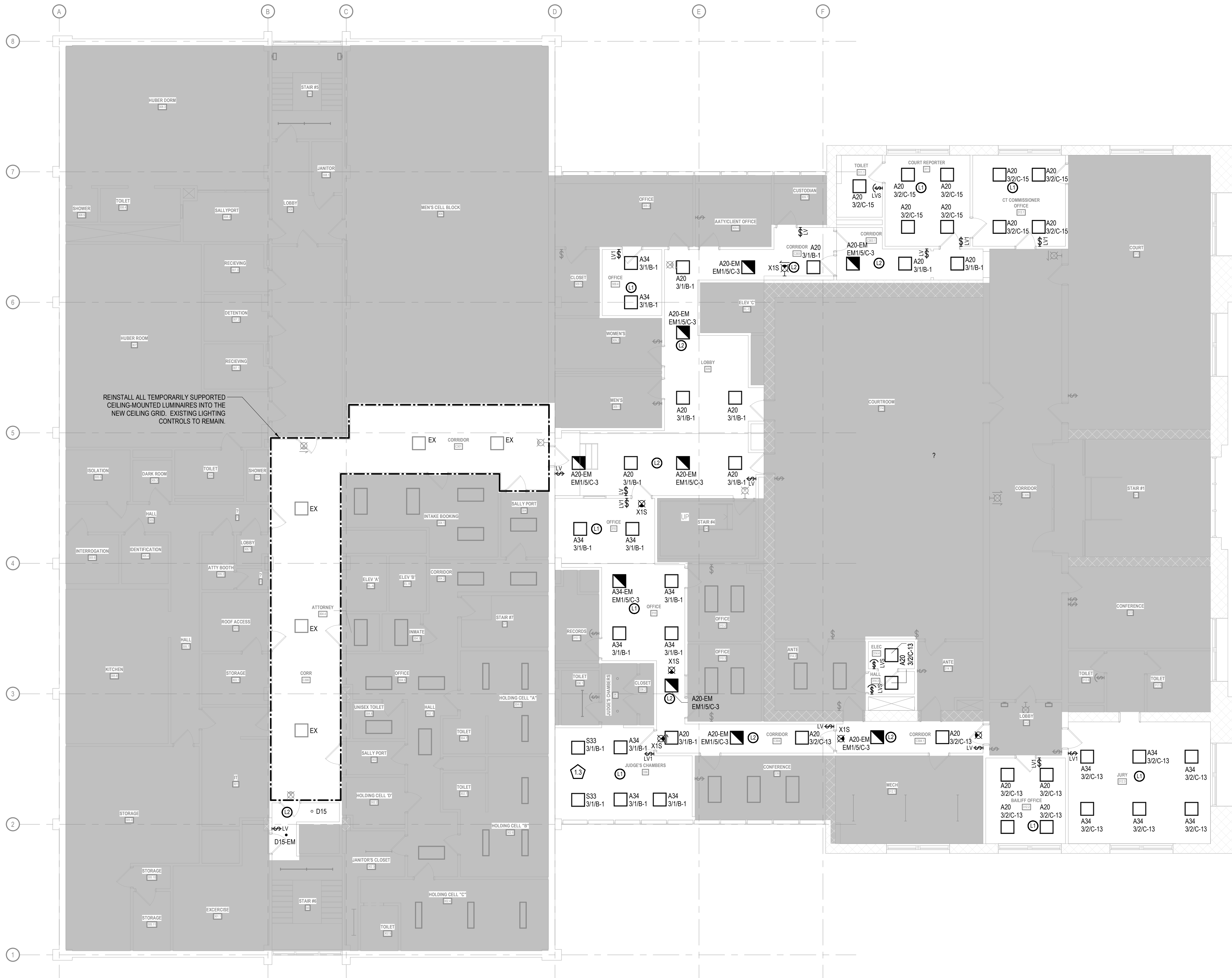
MADISON, WI | WAUKESHA, WI

GENERAL LIGHTING NOTES

- 1 REFER TO SHEET E911 FOR ALL LIGHTING CONTROL SEQUENCES OF OPERATION.
- 2 COORDINATE FINAL LOCATIONS OF ALL LUMINAIRES, SENSORS, AND CONTROLS WITH ARCHITECTURAL REFLECTED CEILING PLANS (RCP) PRIOR TO ROUGH-IN.
- 3 CONNECT EXIT SIGNS UNSWITCHED TO THE LOCAL EMERGENCY BRANCH CIRCUIT AHEAD OF ALL LIGHTING CONTROLS.
- 4 WHERE MULTIPLE OCCUPANCY SENSORS SERVE A SINGLE ROOM OR CORRIDOR, INTERCONNECT SENSORS SO THAT ANY DETECTED MOTION ENERGIZES ALL ASSOCIATED LUMINAIRES SIMULTANEOUSLY.
- 5 CONTROL ALL LUMINAIRES WITHIN ENCLOSED STAIRWELLS TOGETHER AS A SINGLE LIGHTING ZONE.
- 6 REFER TO SHEET E911 FOR LUMINAIRE SCHEDULE.
- 7 PROVIDE COMPLETE OCCUPANCY/VACANCY SENSOR COVERAGE IN ALL DESIGNATED SPACES. REFER TO SPECIFICATION SECTION 26 09 26 FOR AUXILIARY CONTACT REQUIREMENTS.
- 8 AT ALL LOCATIONS WHERE EXISTING TWO-GANG LIGHTING CONTROLS ARE REDUCED TO A SINGLE SWITCH, REUSE THE EXISTING TWO-GANG BACKBOX TO AVOID DRYWALL PATCHING. PROVIDE A NEW TWO-GANG DEVICE FACEPLATE FEATURING ONE ACTIVE SWITCH AND ONE BLANK INSERT.

SPECIFIC LIGHTING NOTES

- 13 PROVIDE NEW SURFACE-MOUNTED LUMINAIRE. PATCH, REPAIR, AND PAINT DRYWALL CEILING TO MATCH EXISTING FINISH FOLLOWING INSTALLATION.



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PROJECT TITLE

SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

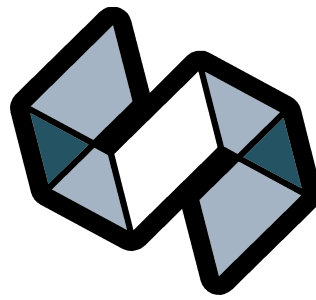
SHEET NAME

THIRD FLOOR
LIGHTING PLAN
(PHASE 3)

SHEET NO.

GENERAL LIGHTING NOTES

- 1 REFER TO SHEET E911 FOR ALL LIGHTING CONTROL SEQUENCES OF OPERATION.
- 2 COORDINATE FINAL LOCATIONS OF ALL LUMINAIRES, SENSORS, AND CONTROLS WITH ARCHITECTURAL REFLECTED CEILING PLANS (RCP) PRIOR TO ROUGH-IN.
- 3 CONNECT EXIT SIGNS UNSWITCHED TO THE LOCAL EMERGENCY BRANCH CIRCUIT AHEAD OF ALL LIGHTING CONTROLS.
- 4 WHERE MULTIPLE OCCUPANCY SENSORS SERVE A SINGLE ROOM OR CORRIDOR, INTERCONNECT SENSORS SO THAT ANY DETECTED MOTION ENERGIZES ALL ASSOCIATED LUMINAIRES SIMULTANEOUSLY.
- 5 CONTROL ALL LUMINAIRES WITHIN ENCLOSED STAIRWELLS TOGETHER AS A SINGLE LIGHTING ZONE.
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- 7 PROVIDE COMPLETE OCCUPANCY/VACANCY SENSOR COVERAGE IN ALL DESIGNATED SPACES. REFER TO SPECIFICATION SECTION 26 09 26 FOR AUXILIARY CONTACT REQUIREMENTS.
- 8 AT ALL LOCATIONS WHERE EXISTING TWO-GANG LIGHTING CONTROLS ARE REDUCED TO A SINGLE SWITCH, REUSE THE EXISTING TWO-GANG BACKBOX TO AVOID DRYWALL PATCHING. PROVIDE A NEW TWO-GANG DEVICE FACEPLATE FEATURING ONE ACTIVE SWITCH AND ONE BLANK INSERT.



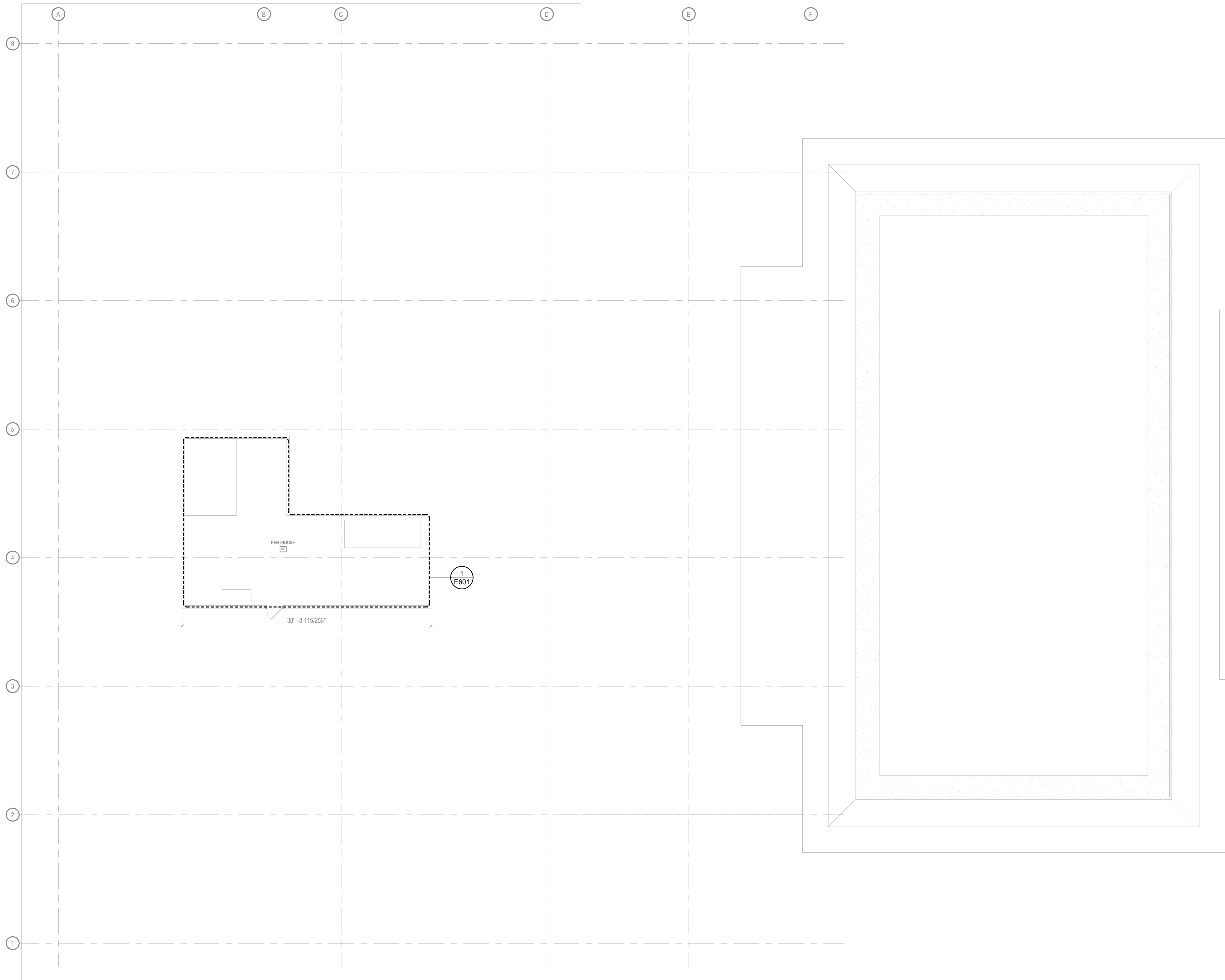
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PROJECT TITLE

SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME

PENTHOUSE FLOOR
LIGHTING PLAN
(PHASE 3)

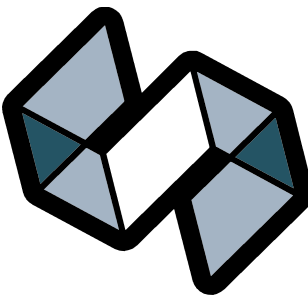
SHEET NO.

GENERAL POWER NOTES

- 1 CONTRACTOR SHALL LOAD BALANCE THE PANELBOARDS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 2 SEE MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL INFORMATION RELATED TO ELECTRICAL.
- 3 BRANCH CIRCUIT NUMBER SEQUENTIAL ORDER IS FOR BOOKKEEPING PURPOSES ONLY AND MAY NOT REFLECT ACTUAL CIRCUIT BREAKER NUMBER SEQUENCE IN THE PANELBOARD. NUMBERS INDICATE WHICH DEVICES ARE CONNECTED TO A COMMON BRANCH CIRCUIT.
- 4 REFER TO SPECIFICATION SECTION 07 84 00 PENETRATION FIRE STOPPING FOR ALL FLOOR AND WALL PENETRATIONS THROUGH RATED WALLS. REFER TO THE ARCHITECTURAL LIFE SAFETY PLAN SHEETS FOR FLOOR AND WALL RATINGS.

SPECIFIC POWER NOTES

- 2.1 CONNECT TEMPERATURE CONTROL PANEL TO EXISTING CIRCUIT FREED DURING DEMOLITION. PROVIDE A FIRE ALARM CONTROL MODULE AND HARDWARE INTERLOCK TO INITIATE IMMEDIATE UNIT SHUTDOWN AND CLOSURE OF FIRE/SMOKE DAMPERS UPON ALARM. PROVIDE A DATA CONNECTION TO THE PANEL TO INTEGRATE WITH THE BUILDING AUTOMATION SYSTEM (BAS) FOR REMOTE MONITORING AND CONTROL.
- 2.6 REINSTALL ALL TEMPORARILY SUPPORTED CEILING-MOUNTED DEVICES (INCLUDING FIRE ALARM DEVICES, VAPs, SPEAKERS, AND SENSORS) INTO THE NEW CEILING GRID. VERIFY OPERATION OF ALL REINSTALLED FIRE ALARM DEVICES.
- 2.10 REMOTE TEST/RESET STATION WITH INTEGRAL ALARM LED FOR ASSOCIATED DUCT SMOKE DETECTOR. MOUNT AT 48" AFF TO CENTER. PROVIDE CONDUIT AND WIRING BACK TO DUCT DETECTOR AND CONTROL MODULE AS REQUIRED BY THE MANUFACTURER. PROVIDE ENGRAVED NAMEPLATE IDENTIFYING ASSOCIATED AHU / DUCT DETECTOR SERVED.
- 2.12 DUCT SMOKE DETECTOR LOCATION. EC SHALL PROVIDE ADDRESSABLE DUCT SMOKE DETECTOR HOUSING AND SAMPLING TUBES (INSTALLED BY MC, WIRED BY EC). PROVIDE ADDRESSABLE CONTROL/RELAY MODULE MOUNTED ADJACENT TO UNIT STARTER/VFD. WIRE RELAY CONTACTS TO UNIT CONTROLS TO ACCOMPLISH COMPLETE HVAC SHUTDOWN UPON ALARM. CONNECT DETECTOR AND CONTROL MODULE TO FIRE ALARM SLC AND 24VDC AUXILIARY POWER CIRCUIT.



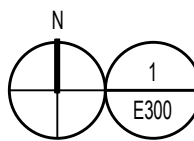
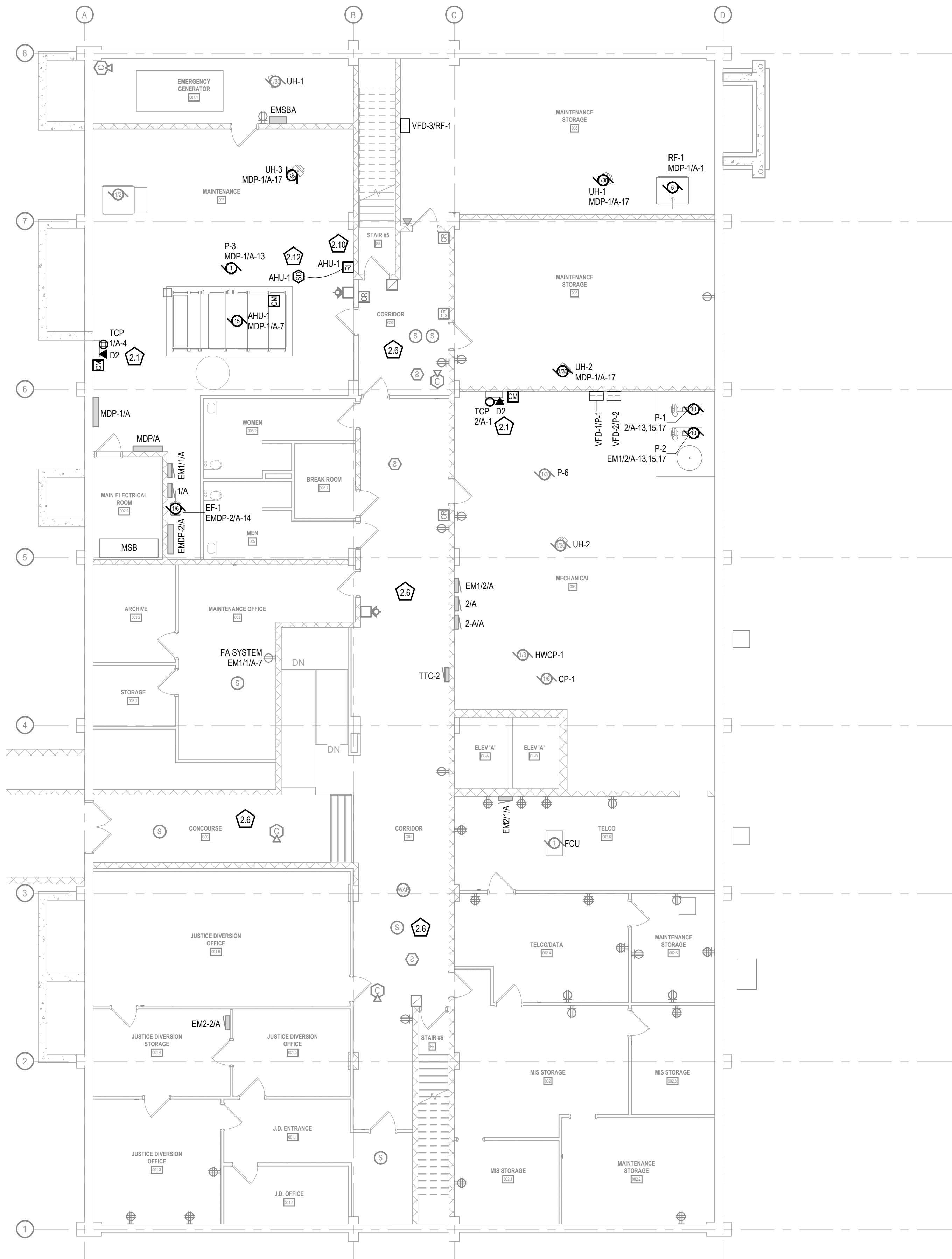
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INTERIOR DESIGN

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BASEMENT FLOOR POWER & SYSTEMS PLAN

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

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PROJECT TITLE

SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

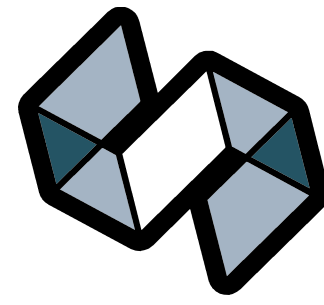
515 Oak St
Baraboo, WI 53913

SHEET NAME

BASEMENT FLOOR
POWER & SYSTEMS
PLAN (PHASE 1)

SHEET NO.

E300



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INTERIOR DESIGN

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GENERAL POWER NOTES

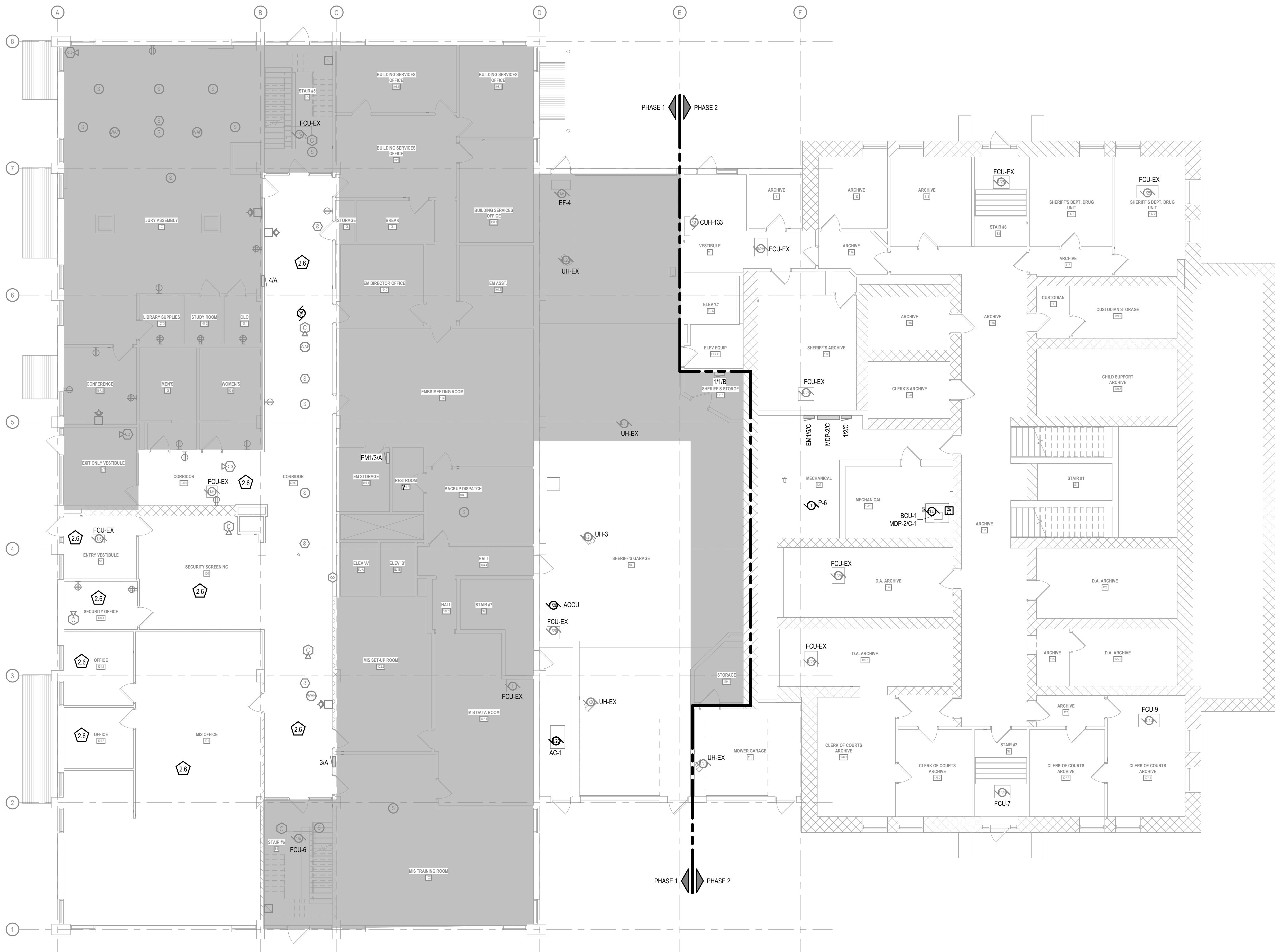
- 1 CONTRACTOR SHALL LOAD BALANCE THE PANELBOARDS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 2 SEE MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL INFORMATION RELATED TO ELECTRICAL.
- 3 BRANCH CIRCUIT NUMBER SEQUENTIAL ORDER IS FOR BOOKKEEPING PURPOSES ONLY AND MAY NOT REFLECT ACTUAL CIRCUIT BREAKER NUMBER SEQUENCE IN THE PANELBOARD. NUMBERS INDICATE WHICH DEVICES ARE CONNECTED TO A COMMON BRANCH CIRCUIT.
- 4 REFER TO SPECIFICATION SECTION 07 84 00 PENETRATION FIRE STOPPING FOR ALL FLOOR AND WALL PENETRATIONS THROUGH RATED WALLS. REFER TO THE ARCHITECTURAL LIFE SAFETY PLAN SHEETS FOR FLOOR AND WALL RATINGS.

SPECIFIC POWER NOTES

- 2.6 REINSTALL ALL TEMPORARILY SUPPORTED CEILING-MOUNTED DEVICES (INCLUDING FIRE ALARM DEVICES, WAPS, SPEAKERS, AND SENSORS) INTO THE NEW CEILING GRID. VERIFY OPERATION OF ALL REINSTALLED FIRE ALARM DEVICES.

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PROJECT TITLE

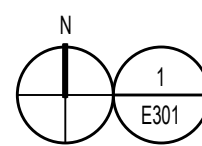
SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME

FIRST FLOOR POWER
& SYSTEMS PLAN
(PHASE 2)

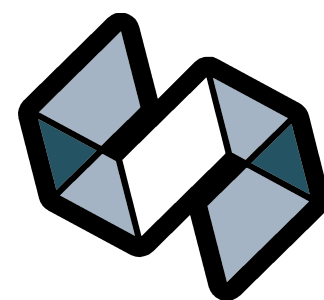
SHEET NO.



FIRST FLOOR POWER & SYSTEMS PLAN

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

E301



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ENGINEERING
INTERIOR DESIGN

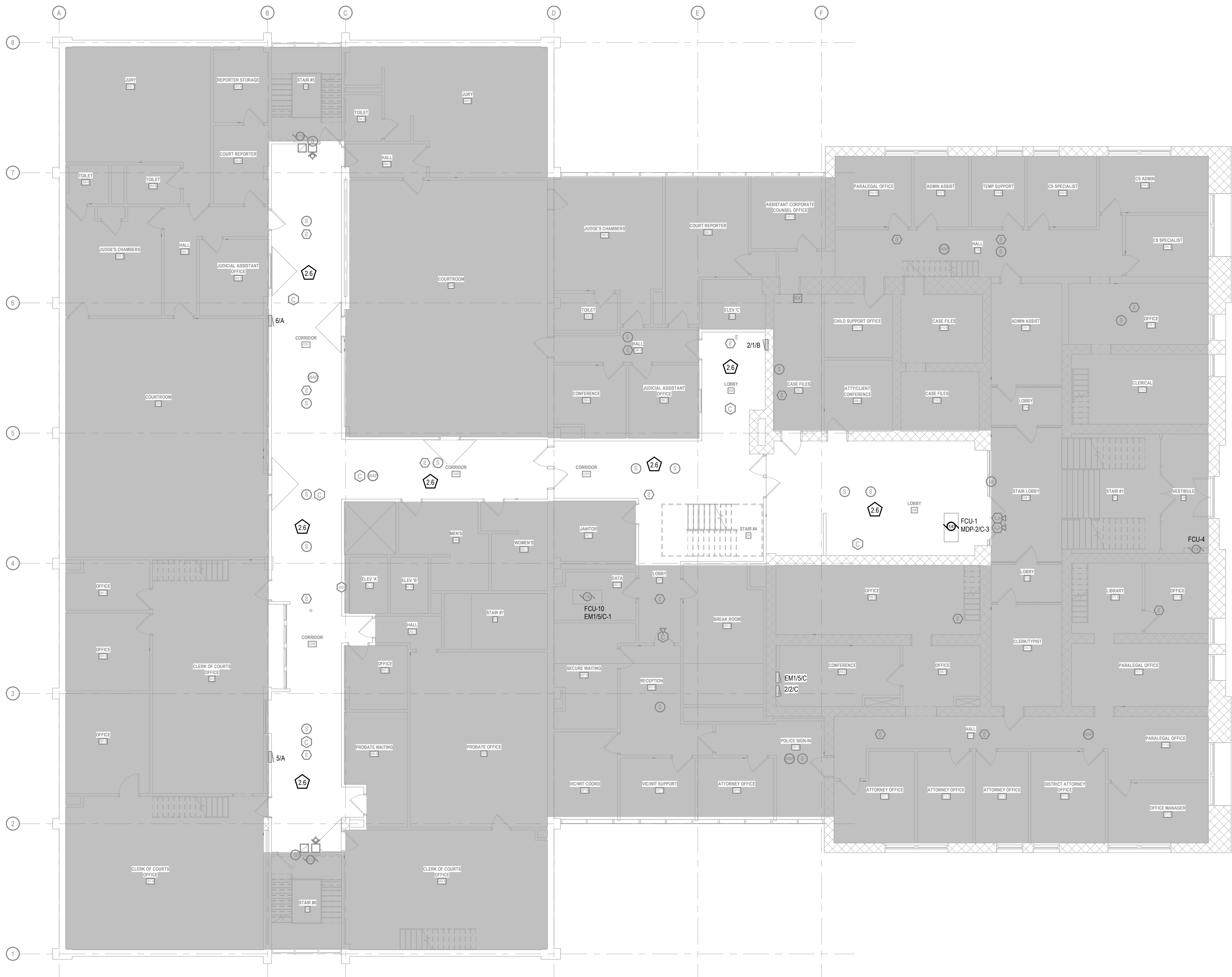
MADISON, WI | WAUKESHA, WI

GENERAL POWER NOTES

- 1 CONTRACTOR SHALL LOAD BALANCE THE PANELBOARDS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 2 SEE MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL INFORMATION RELATED TO ELECTRICAL.
- 3 BRANCH CIRCUIT NUMBER SEQUENTIAL ORDER IS FOR BOOKKEEPING PURPOSES ONLY AND MAY NOT REFLECT ACTUAL CIRCUIT BREAKER NUMBER SEQUENCE IN THE PANELBOARD. NUMBERS INDICATE WHICH DEVICES ARE CONNECTED TO A COMMON BRANCH CIRCUIT.
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SPECIFIC POWER NOTES

- 26 REINSTALL ALL TEMPORARILY SUPPORTED CEILING-MOUNTED DEVICES (INCLUDING FIRE ALARM DEVICES, WAPS, SPEAKERS, AND SENSORS) INTO THE NEW CEILING GRID. VERIFY OPERATION OF ALL REINSTALLED FIRE ALARM DEVICES.



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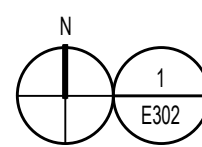
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PROJECT TITLE
SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME
SECOND FLOOR
POWER & SYSTEMS
PLAN (PHASE 2)

SHEET NO.



SECOND FLOOR POWER & SYSTEMS PLAN

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

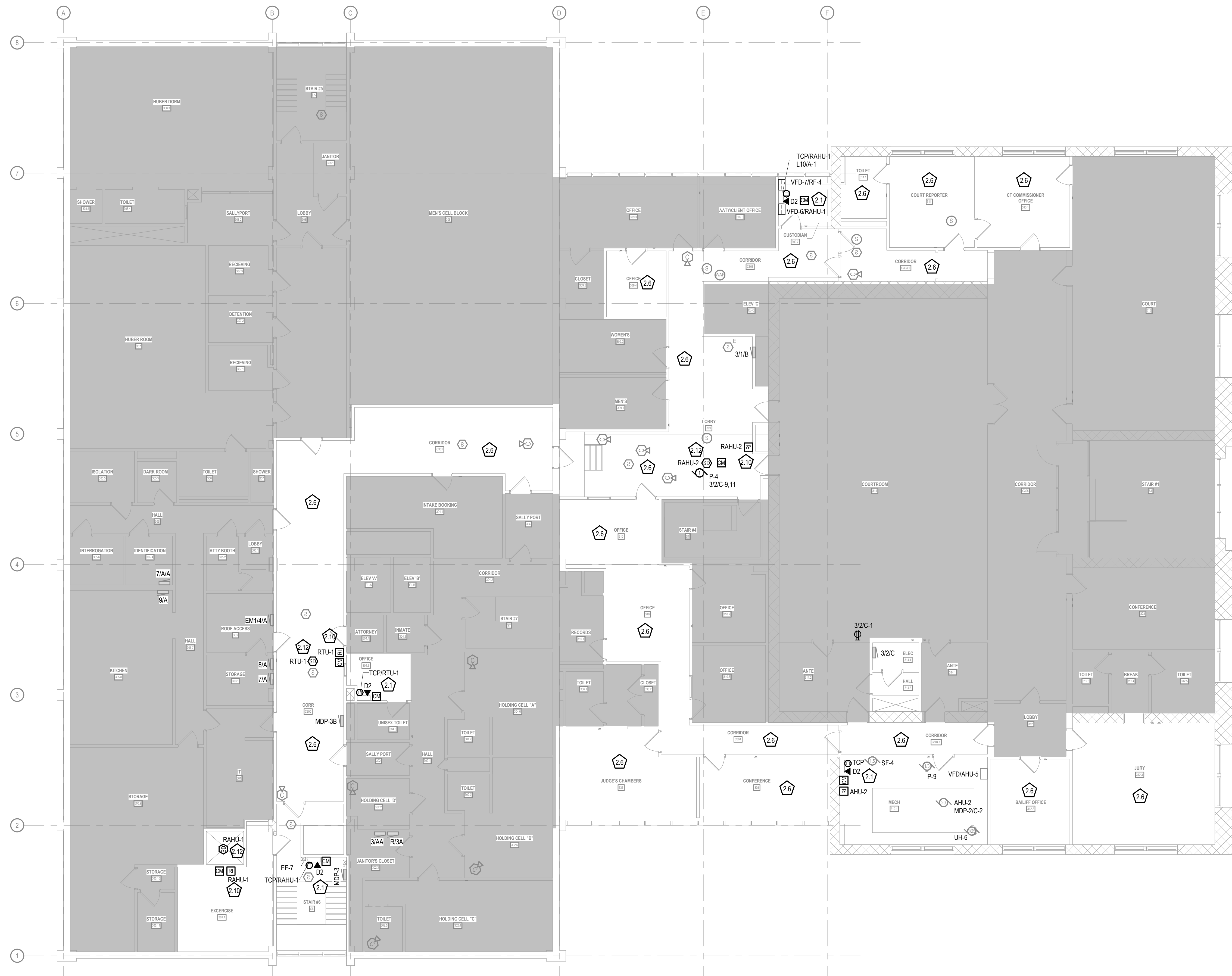
E302

- 1 CONTRACTOR SHALL LOAD BALANCE THE PANELBOARDS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 2 SEE MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL INFORMATION RELATED TO ELECTRICAL.
- 3 BRANCH CIRCUIT NUMBER SEQUENTIAL ORDER IS FOR BOOKKEEPING PURPOSES ONLY AND MAY NOT REFLECT ACTUAL CIRCUIT BREAKER NUMBER SEQUENCE IN THE PANELBOARD. NUMBERS INDICATE WHICH DEVICES ARE CONNECTED TO A COMMON BRANCH CIRCUIT.
- 4 REFER TO SPECIFICATION SECTION 07 84 00 PENETRATION FIRE STOPPING FOR ALL FLOOR AND WALL PENETRATIONS THROUGH RATED WALLS. REFER TO THE ARCHITECTURAL LIFE SAFETY PLAN SHEETS FOR FLOOR AND WALL RATINGS.



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- 2.1 CONTROL TEMPERATURE CONTROL PANEL TO EXISTING CIRCUIT FEED FREED DURING DEMOLITION. PROVIDE A FIRE ALARM CONTROL MODULE AND HARDWARE INTERLOCK TO INITIATE IMMEDIATE UNIT SHUTDOWN AND CLOSURE OF FIRE ALARM DAMPERS TO PREVENT ALARM FROM INITIATING A DIRECT CONNECTION TO THE PANEL TO INTEGRATE WITH THE BUILDING AUTOMATION SYSTEM (BAS) FOR REMOTE MONITORING AND CONTROL.
- 2.2 RE-INSTALL ALL TEMPORARILY SUPPORTED CEILING-MOUNTED DEVICES (INCLUDING FIRE ALARM DEVICES, VAPOR SPEAKERS, AND SENSORS) INTO THE NEW CEILING GRID. VERIFY OPERATION OF ALL RE-INSTALLED FIRE ALARM DEVICES.
- 2.3 REMOTE TEST/RESET STATION WITH INTEGRAL ALARM LED FOR ASSOCIATED DUCT SMOKE DETECTOR. MOUNT AT 4 FT. TO CENTER. PROVIDE CONDUIT AND WIRING BACK TO DUCT DETECTOR AND CONTROL MODULE AS REQUIRED BY THE MANUFACTURER. PROVIDE ENGRAVED NAMEPLATE IDENTIFYING ASSOCIATED AHU / DUCT DETECTOR SERVED.
- 2.4 DUCT SMOKE DETECTOR LOCATION: IF SMALL, PROVIDE ADDRESSABLE DUCT SMOKE DETECTOR HOUSING AND SAMPLING TUBES (INSTALLED BY M.F. WIRED BY E.P. PROVIDE ADDRESSABLE CONTROL RELAY MODULE MOUNTED ADJACENT TO UNIT). IF LARGE, PROVIDE WIRE RACEWAY TO UNIT. PROVIDE NAMEPLATE TO COMPLY WITH COMPLETE HAZE SHUTDOWN ON ALARM. CONNECT DETECTOR AND CONTROL MODULE TO FIRE ALARM SLC AND 24VDC AUXILIARY POWER CIRCUIT.

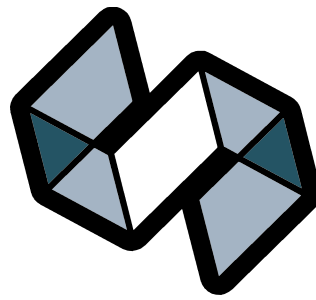


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PROJECT NO.	2025012

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Baraboo, WI 53913

SHEET NO.



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GENERAL POWER NOTES

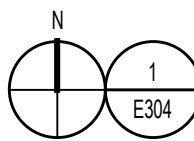
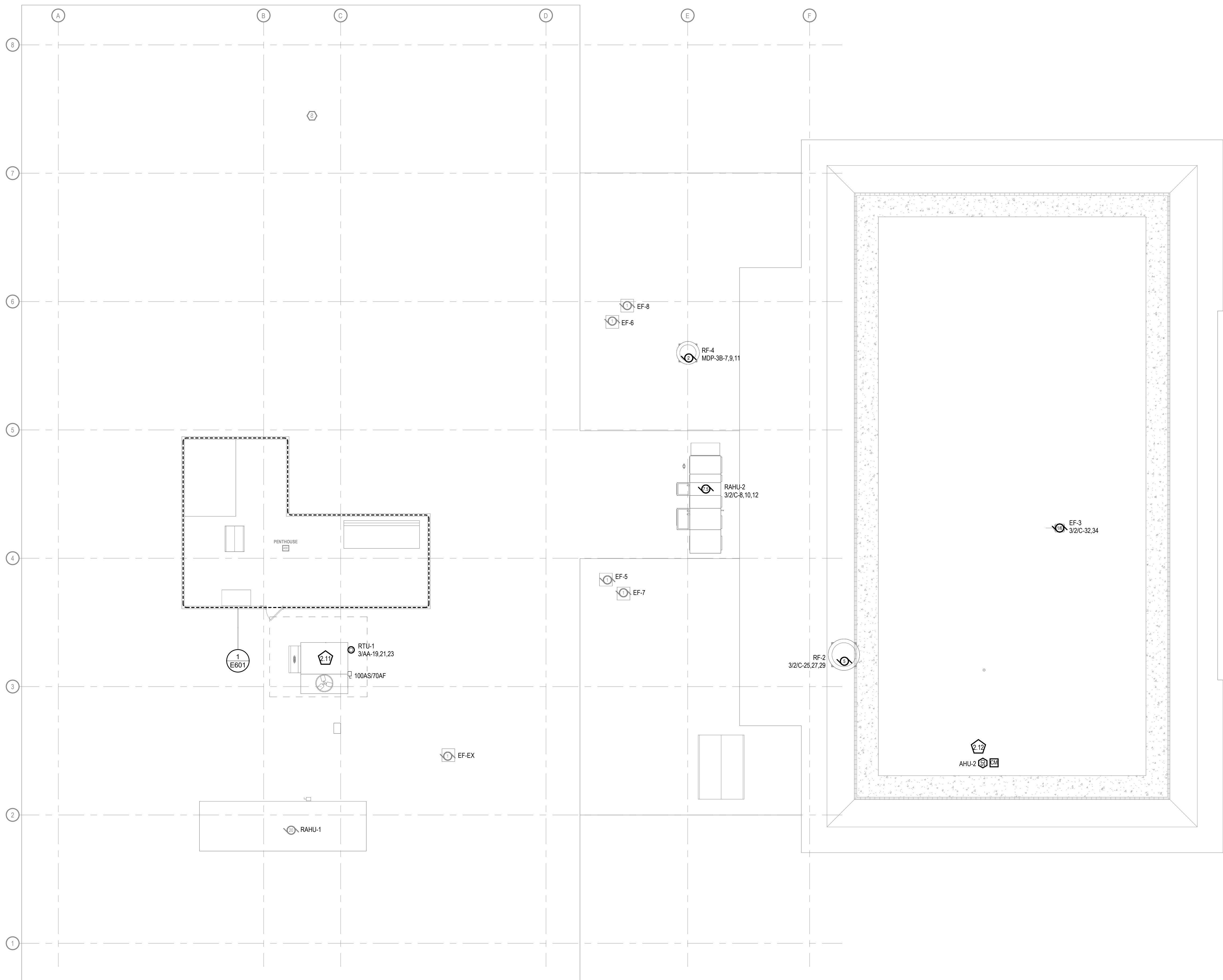
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- 3 BRANCH CIRCUIT NUMBER SEQUENTIAL ORDER IS FOR BOOKKEEPING PURPOSES ONLY AND MAY NOT REFLECT ACTUAL CIRCUIT BREAKER NUMBER SEQUENCE IN THE PANELBOARD. NUMBERS INDICATE WHICH DEVICES ARE CONNECTED TO A COMMON BRANCH CIRCUIT.
- 4 REFER TO SPECIFICATION SECTION 07 84 00 PENETRATION FIRE STOPPING FOR ALL FLOOR AND WALL PENETRATIONS THROUGH RATED WALLS. REFER TO THE ARCHITECTURAL LIFE SAFETY PLAN SHEETS FOR FLOOR AND WALL RATINGS.

SPECIFIC POWER NOTES

- 2.11 ROOFTOP UNIT FURNISHED WITH 120V GENERAL DUPLEX RECEPTACLE. WIRE TO EXISTING 208/120V PANELBOARD IN THE PENTHOUSE WITH 2#12, 1#12G, IN 3/4" CONDUIT. PROVIDE A 15A/1P CIRCUIT BREAKER IN EXISTING PANELBOARD THAT IS COMPATIBLE WITH PANELBOARD MANUFACTURER AND RATINGS.
- 2.12 DUCT SMOKE DETECTOR LOCATION. EC SHALL PROVIDE ADDRESSABLE DUCT SMOKE DETECTOR HOUSING AND SAMPLING TUBES (INSTALLED BY MC, WIRED BY EC). PROVIDE ADDRESSABLE CONTROL RELAY MODULE MOUNTED ADJACENT TO UNIT STARTER/VPD. WIRE RELAY CONTACTS TO UNIT CONTROLS TO ACCOMPLISH COMPLETE HVAC SHUTDOWN UPON ALARM. CONNECT DETECTOR AND CONTROL MODULE TO FIRE ALARM SLC AND 24VDC AUXILIARY POWER CIRCUIT.

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PENTHOUSE FLOOR POWER & SYSTEMS PLAN

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

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PROJECT TITLE

SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

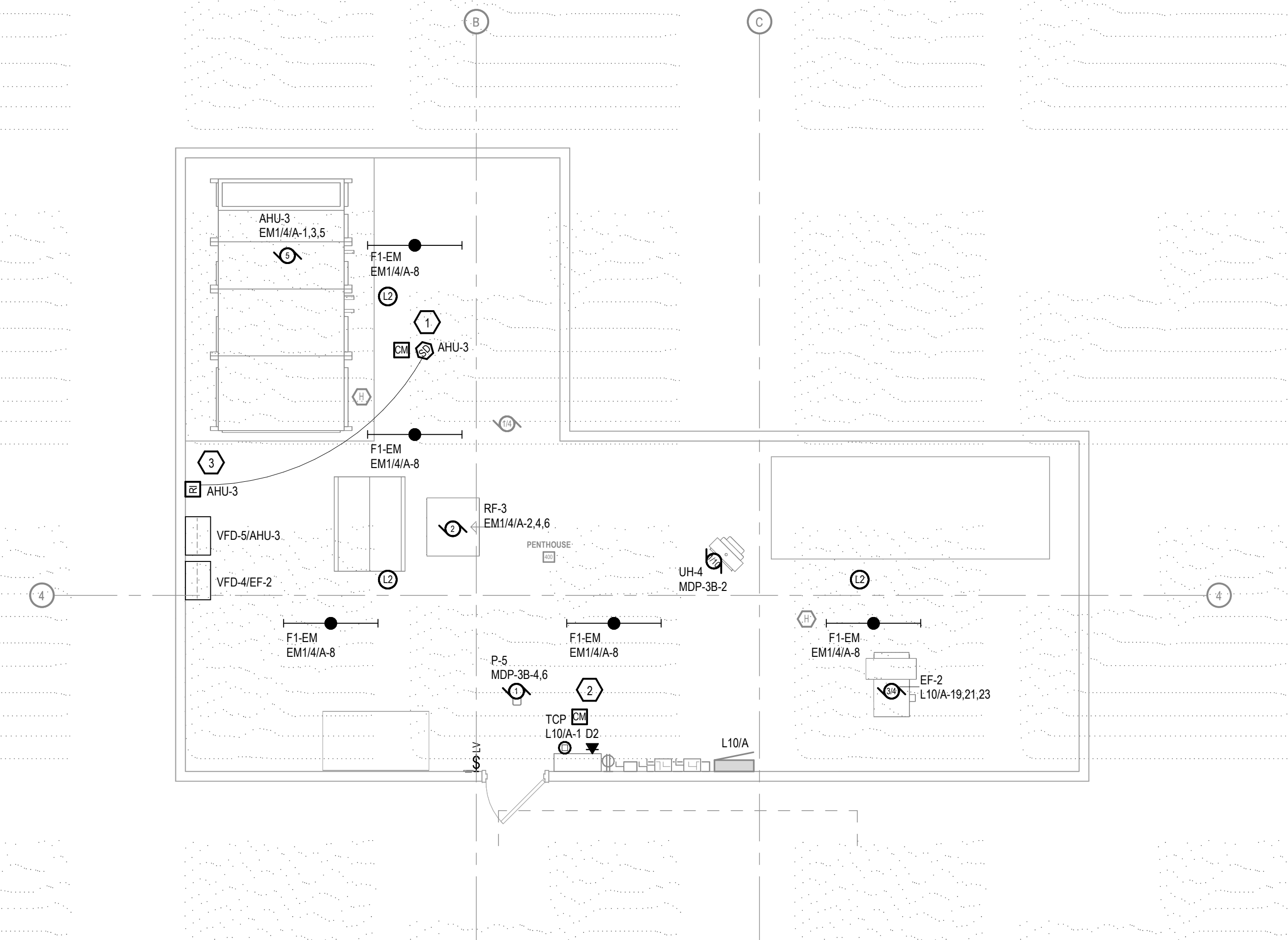
515 Oak St
Baraboo, WI 53913

SHEET NAME

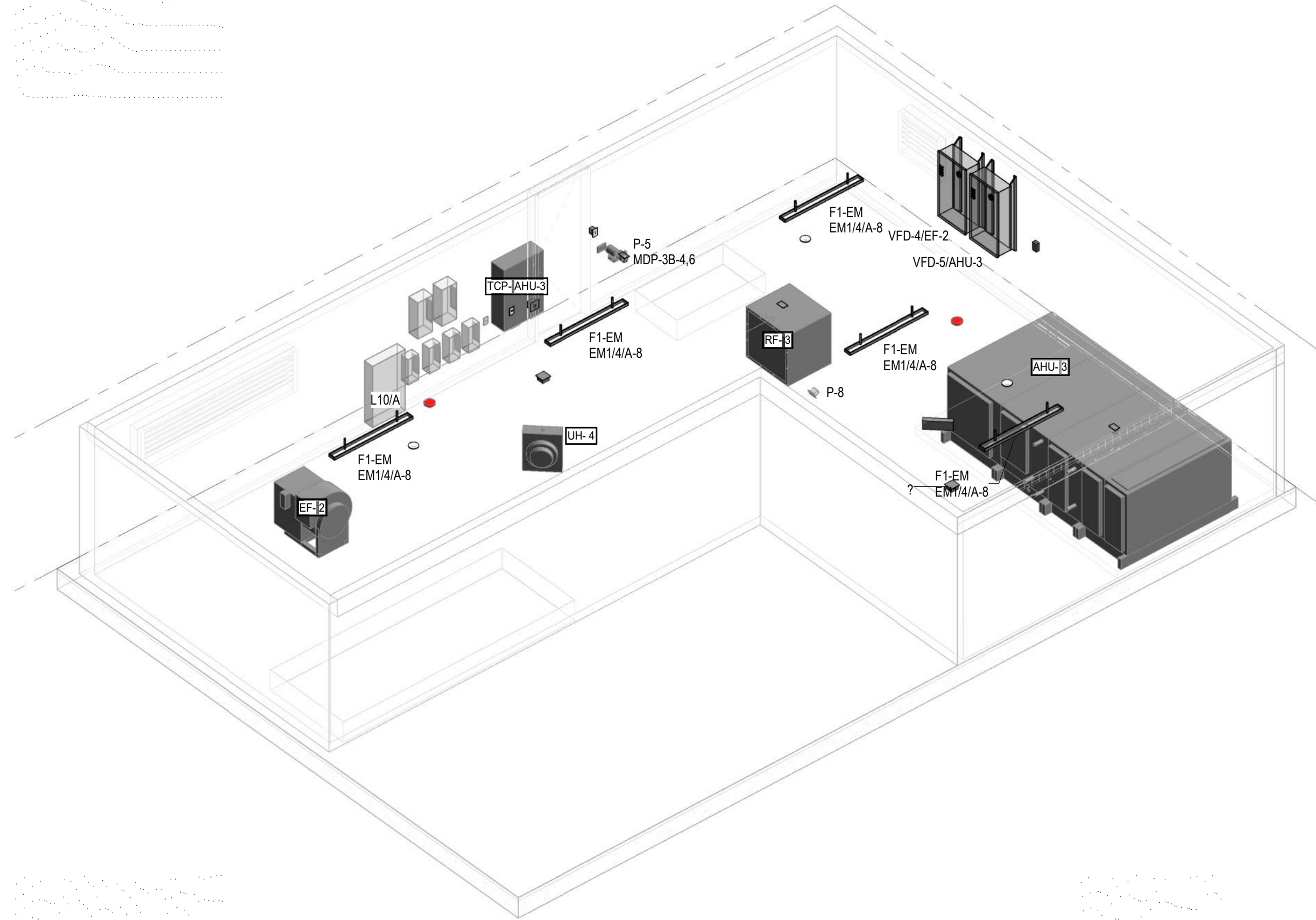
PENTHOUSE AND
ROOF POWER &
SYSTEMS PLAN
(PHASE 3)

SHEET NO.

E304



1
E601
ENLARGED ELECTRICAL PENTHOUSE FLOOR PLAN
SCALE: 1/4" = 1'-0"



2
E601
ISOMETRIC ELECTRICAL PENTHOUSE PLAN
SCALE: 1/4" = 1'-0"

GENERAL LIGHTING NOTES

- 1 REFER TO SHEET E911 FOR ALL LIGHTING CONTROL SEQUENCES OF OPERATION.
- 2 COORDINATE FINAL LOCATIONS OF ALL LUMINAIRES, SENSORS, AND CONTROLS WITH ARCHITECTURAL REFLECTED CEILING PLANS (RCP) PRIOR TO ROUGH-IN.
- 3 CONNECT EXIT SIGNS UNSWITCHED TO THE LOCAL EMERGENCY BRANCH CIRCUIT AHEAD OF ALL LIGHTING CONTROLS.
- 4 WHERE MULTIPLE OCCUPANCY/VACANCY SENSORS SERVE A SINGLE ROOM OR CORRIDOR, INTERCONNECT SENSORS SO THAT ANY DETECTED MOTION ENERGIZES ALL ASSOCIATED LUMINAIRES SIMULTANEOUSLY.
- 5 CONTROL ALL LUMINAIRES WITHIN ENCLOSED STAIRWELLS TOGETHER AS A SINGLE LIGHTING ZONE.
- 6 REFER TO SHEET E911 FOR LUMINAIRE SCHEDULE.
- 7 PROVIDE COMPLETE OCCUPANCY/VACANCY SENSOR COVERAGE IN ALL DESIGNATED SPACES. REFER TO SPECIFICATION SECTION 26 09 26 FOR AUXILIARY CONTACT REQUIREMENTS.
- 8 AT ALL LOCATIONS WHERE EXISTING TWO-GANG LIGHTING CONTROLS ARE REDUCED TO A SINGLE SWITCH, REUSE THE EXISTING TWO-GANG BACKBOX TO AVOID DRYWALL PATCHING. PROVIDE A NEW TWO-GANG DEVICE FACEPLATE FEATURING ONE ACTIVE SWITCH AND ONE BLANK INSERT.

GENERAL POWER NOTES

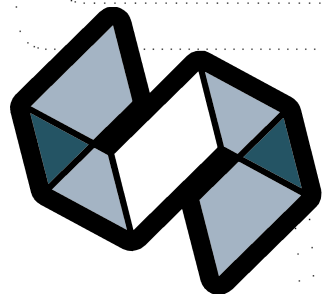
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GENERAL SYSTEMS NOTES

- 1 ALL FIRE ALARM NOTIFICATION, DETECTION AND SIGNALING DEVICES SHALL MEET ALL APPLICABLE CODES AND MANUFACTURER'S LISTING RECOMMENDATIONS.
- 2 FIRE ALARM DEVICE LOCATIONS AND CANDELA SETTINGS ARE SHOWN TO INDICATE DESIGN INTENT ONLY.
- 3 ALL FIRE ALARM VISUAL DEVICES WITH ONE VIEWING SHALL BE SYNCHRONIZED.
- 4 EXPOSED CABLE IN UNFINISHED WORK AREAS IS ACCEPTABLE; SUPPORT CABLE IN ACCORDANCE WITH DIVISION 27 SPECIFICATIONS. EXPOSED CABLE INSTALLED IN FINISHED WORK AREAS IS NOT ACCEPTABLE. CABLE SHALL BE INSTALLED IN A RACEWAY PAINTED TO MATCH CEILING FINISH ROUTE RACEWAY INTO NEAREST ACCESSIBLE CEILING CAVITY, THEREAFTER SUPPORTED IN ACCORDANCE WITH DIVISION 27 SPECIFICATIONS.
- 5 REFER TO SPECIFICATION SECTION 07 84 00 PENETRATION FIRE STOPPING FOR ALL FLOOR AND WALL PENETRATIONS THROUGH RATED WALLS. REFER TO THE ARCHITECTURAL LIFE SAFETY PLAN SHEETS FOR FLOOR AND WALL RATINGS.

SPECIFIC ENLARGED NOTES

- 1 DUCT SMOKE DETECTOR LOCATION. EC SHALL PROVIDE ADDRESSABLE DUCT SMOKE DETECTOR HOUSING AND SAMPLING TUBES (INSTALLED BY MC, WIRED BY EC). PROVIDE ADDRESSABLE CONTROL/RELAY MODULE MOUNTED ADJACENT TO UNIT STARTER/VFD. WIRE RELAY CONTACTS TO UNIT CONTROLS TO ACCOMPLISH COMPLETE HVAC SHUTDOWN UPON ALARM. CONNECT DETECTOR AND CONTROL MODULE TO FIRE ALARM SLC AND 240V AC AUXILIARY POWER CIRCUIT.
- 2 CONNECT TEMPERATURE CONTROL PANEL TO EXISTING CIRCUIT FREED DURING DEMOLITION. PROVIDE A FIRE ALARM CONTROL MODULE AND HARDWARE INTERLOCK TO INITIATE IMMEDIATE UNIT SHUTDOWN AND CLOSURE OF FIRE/SMOKE DAMPERS UPON ALARM. PROVIDE A DATA CONNECTION TO THE PANEL TO INTEGRATE WITH THE BUILDING AUTOMATION SYSTEM (BAS) FOR REMOTE MONITORING AND CONTROL.
- 3 REMOTE TEST/RESET STATION WITH INTEGRAL ALARM LED FOR ASSOCIATED DUCT SMOKE DETECTOR. MOUNT AT 48" AFF TO CENTER. PROVIDE CONDUIT AND WIRING BACK TO DUCT DETECTOR AND CONTROL MODULE AS REQUIRED BY THE MANUFACTURER. PROVIDE ENGRAVED NAMEPLATE IDENTIFYING ASSOCIATED AHU / DUCT DETECTOR SERVED.



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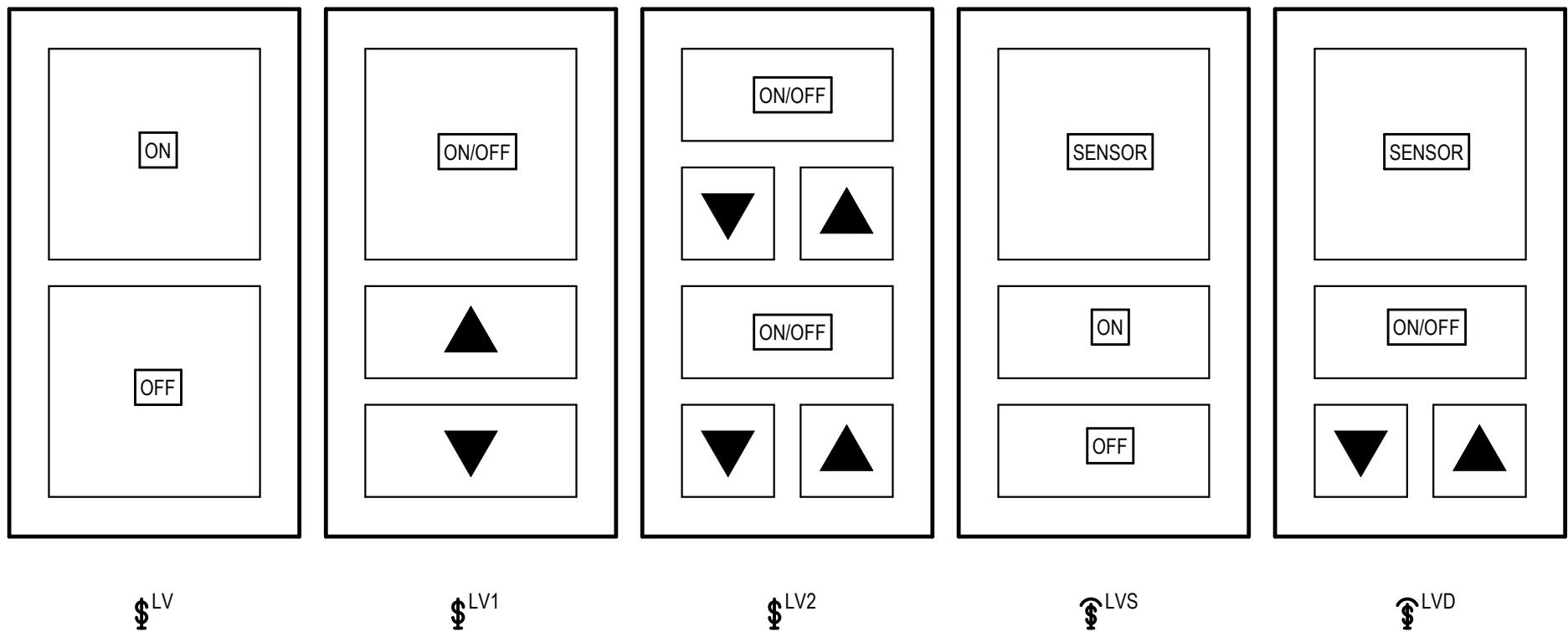
515 Oak St
Baraboo, WI 53913

SHEET NAME

ENLARGED
ELECTRICAL PLANS
(PHASE 3)

SHEET NO.

E601



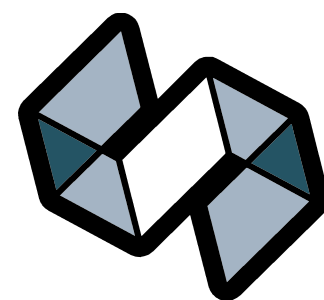
2 LIGHTING CONTROL SYSTEM BUTTON LAYOUT
E811 SCALE: NTS

LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR IECC PATH OF COMPLIANCE AND BASED ON NLIHT AS THE BASIS OF DESIGN

THE FOLLOWING SEQUENCE OF OPERATIONS SHALL BE UTILIZED FOR THE AREAS INDICATED. WHERE PARTICULAR AREAS ARE NOT LISTED, CONTACT THE ENGINEER PRIOR TO PROGRAMMING. THESE ARE FOR INITIAL SETUP AND SHALL BE CONFIRMED AND MODIFIED AS DIRECTED BY THE OWNER. THE FOLLOWING SEQUENCES OF OPERATION ARE BASED ON PROJECT REQUIREMENTS AND IECC 2021.

SYSTEM PROGRAMMING DETAILS (SCENES, TIME EVENTS, SENSOR BINDING, ETC.) SHALL BE PROGRAMMED BASED ON THE SEQUENCE OF OPERATION BELOW:

- RESTROOMS
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO FULL OUTPUT.
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 20% OF FULL OUTPUT. IF OCCUPANCY IS SENSED DURING THIS PERIOD LIGHTS WILL ILLUMINATE BACK TO FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - MANUAL CONTROL VIA WALL STATION
 - SCENE 20% BUTTON PRESSED WHILE LIGHTS ARE ON SHALL REDUCE THE LIGHTS TO 20% OF FULL OUTPUT. AFTER 30 MINUTES EXTINGUISH LIGHTING.
 - SCENE 100% BUTTON PRESSED WHILE LIGHTS ARE AT 20% SHALL ILLUMINATE THE LIGHTING TO FULL OUTPUT. AFTER 30 MINUTES OPERATION REVERTS BACK TO AUTOMATIC CONTROL.
 - PROGRAM THE POWER PACK TO ENABLE THE SPECIAL OPERATING MODE "PREDICTIVE OFF". SET THE "PREDICTIVE EXIT TIME" TO 8 SECONDS, AND THE "PREDICTIVE GRACE PERIOD" TO ZERO SECONDS. NOTE THAT THE REFERENCED SETTINGS ARE FOR NLIHT. OTHER MANUFACTURERS LISTED AS ACCEPTABLE IN THE SPECIFICATIONS SHALL HAVE EQUIVALENT SETTINGS.
 - LIGHTING FIXTURES DESIGNATED AS STANDBY SHALL BE CONTROLLED ALONG WITH THE OTHER FIXTURES IN THE ZONE. UPON THE LOSS OF NORMAL POWER, THESE FIXTURES SHALL PROVIDE 100% LIGHT OUTPUT.
- ELECTRICAL ROOMS
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO OCCUPIED BRIGHT LEVEL OF 50% OF FULL OUTPUT.
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 10% OF FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - MANUAL CONTROL VIA WALL STATION
 - ON/OFF BUTTON SHALL TOGGLE BETWEEN 50% AND OFF.
 - USERS MAY TEMPORARILY RAISE OR LOWER LEVELS BY PRESSING ARROW BUTTONS.
 - MANUAL OVERRIDE
 - STANDARD ON/OFF TOGGLE LIGHT SWITCH WHICH FORCES THE LIGHTS ON WHEN THE TOGGLE IS IN UP POSITION. WHEN THE TOGGLE IS IN THE DOWN POSITION THE AUTOMATIC LIGHTING CONTROL FUNCTIONS NORMALLY.
 - PROVIDE ENGRAVED NAMEPLATE STATING "LIGHTING MANUAL OVERRIDE"
- IT / MECHANICAL / STORAGE ROOMS
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO OCCUPIED BRIGHT LEVEL OF 50% OF FULL OUTPUT
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 10% OF FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - MANUAL CONTROL VIA WALL STATION
 - ON/OFF BUTTON SHALL TOGGLE BETWEEN 50% AND OFF.
 - USERS MAY TEMPORARILY RAISE OR LOWER LEVELS BY PRESSING ARROW BUTTONS.
- OPEN OFFICES
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO OCCUPIED BRIGHT LEVEL OF 50% OF FULL OUTPUT
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 10% FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - AUTOMATIC CONTROL VIA DAYLIGHT TRACKER
 - AUTOMATICALLY DIM THE LIGHT FIXTURES IN DAYLIGHT ZONES PROPORTIONAL TO THE AVAILABLE DAYLIGHT.
 - MANUAL CONTROL VIA WALL STATION
 - ON/OFF BUTTON SHALL TOGGLE BETWEEN 50% AND OFF.
 - USERS MAY TEMPORARILY RAISE OR LOWER LEVELS BY PRESSING ARROW BUTTONS.
- PRIVATE OFFICES
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO OCCUPIED BRIGHT LEVEL OF 50% OF FULL OUTPUT
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 10% FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - AUTOMATIC CONTROL VIA DAYLIGHT TRACKER
 - AUTOMATICALLY DIM THE LIGHT FIXTURES IN DAYLIGHT ZONES PROPORTIONAL TO THE AVAILABLE DAYLIGHT.
 - MANUAL CONTROL VIA WALL STATION
 - ON/OFF BUTTON SHALL TOGGLE BETWEEN 50% AND OFF.
 - USERS MAY TEMPORARILY RAISE OR LOWER LEVELS BY PRESSING ARROW BUTTONS.
- BREAK AREA
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO OCCUPIED BRIGHT LEVEL OF 50% OF FULL OUTPUT.
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 10% OF FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - AUTOMATIC CONTROL VIA DAYLIGHT TRACKER
 - AUTOMATICALLY DIM THE LIGHT FIXTURES IN DAYLIGHT ZONES PROPORTIONAL TO THE AVAILABLE DAYLIGHT.
 - MANUAL CONTROL VIA WALL STATION
 - LCD TOUCH SCREEN WITH PRE-PROGRAMMED SCENES AND INDIVIDUAL ZONE CONTROL.
 - EACH ZONE SHALL HAVE AN ON/OFF AND LEVEL CONTROL.
 - ON/OFF BUTTON SHALL TOGGLE BETWEEN 50% AND OFF.
 - USERS MAY TEMPORARILY RAISE OR LOWER LEVELS BY PRESSING ARROW BUTTONS.
 - LIGHTING FIXTURES DESIGNATED AS STANDBY SHALL BE CONTROLLED ALONG WITH THE OTHER FIXTURES IN THE ZONE. UPON THE LOSS OF NORMAL POWER, THESE FIXTURES SHALL PROVIDE 100% LIGHT OUTPUT.
- CONFERENCE ROOM
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO OCCUPIED BRIGHT LEVEL OF 50% OF FULL OUTPUT.
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 10% OF FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - AUTOMATIC CONTROL VIA DAYLIGHT TRACKER
 - AUTOMATICALLY DIM THE LIGHT FIXTURES IN DAYLIGHT ZONES PROPORTIONAL TO THE AVAILABLE DAYLIGHT.
 - MANUAL CONTROL VIA WALL STATION
 - LCD TOUCH SCREEN WITH PRE-PROGRAMMED SCENES AND INDIVIDUAL ZONE CONTROL.
 - EACH ZONE SHALL HAVE AN ON/OFF AND LEVEL CONTROL.
 - ON/OFF BUTTON SHALL TOGGLE BETWEEN 50% AND OFF.
 - USERS MAY TEMPORARILY RAISE OR LOWER LEVELS BY PRESSING ARROW BUTTONS.
 - LIGHTING FIXTURES DESIGNATED AS STANDBY SHALL BE CONTROLLED ALONG WITH THE OTHER FIXTURES IN THE ZONE. UPON THE LOSS OF NORMAL POWER, THESE FIXTURES SHALL PROVIDE 100% LIGHT OUTPUT.
- STAIRS
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO 100% LIGHT OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 10% OF FULL OUTPUT AND REMAIN AT 10% UNTIL MOTION IS SENSED AGAIN.
 - AUTOMATIC CONTROL VIA DAYLIGHT TRACKER
 - AUTOMATICALLY DIM THE LIGHT FIXTURES IN DAYLIGHT ZONES PROPORTIONAL TO THE AVAILABLE DAYLIGHT.
 - LIGHTING FIXTURES DESIGNATED AS EMERGENCY SHALL BE CONTROLLED ALONG WITH THE OTHER FIXTURES IN THE ZONE. UPON THE LOSS OF NORMAL POWER, THESE FIXTURES SHALL PROVIDE 100% LIGHT OUTPUT.
- CORRIDORS GREATER THAN 300SF
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO 80% OF FULL OUTPUT.
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 20% OF FULL OUTPUT. IF OCCUPANCY IS SENSED DURING THIS PERIOD LIGHTS WILL ILLUMINATE BACK TO 80% OF FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - AUTOMATIC CONTROL VIA DAYLIGHT TRACKER
 - AUTOMATICALLY DIM THE LIGHT FIXTURES IN DAYLIGHT ZONES PROPORTIONAL TO THE AVAILABLE DAYLIGHT.
 - LIGHTING FIXTURES DESIGNATED AS EMERGENCY SHALL BE CONTROLLED ALONG WITH THE OTHER FIXTURES IN THE ZONE. UPON THE LOSS OF NORMAL POWER, THESE FIXTURES SHALL PROVIDE 100% LIGHT OUTPUT.
- CORRIDORS 300SF AND LESS THAT ARE ENCLOSED BY FLOOR-TO-CEILING HEIGHT PARTITIONS
 - AUTOMATIC CONTROL VIA OCCUPANCY SENSORS
 - UPON SENSING MOTION, ILLUMINATE THE LIGHTING TO 80% OF FULL OUTPUT.
 - AFTER 15 MINUTES OF NO OCCUPANCY, SENSORS SHALL FADE LIGHTING LEVEL TO 20% OF FULL OUTPUT. IF OCCUPANCY IS SENSED DURING THIS PERIOD LIGHTS WILL ILLUMINATE BACK TO 80% OF FULL OUTPUT.
 - AFTER 20 MINUTES OF NO OCCUPANCY, SENSORS SHALL EXTINGUISH LIGHTING.
 - AUTOMATIC CONTROL VIA DAYLIGHT TRACKER
 - AUTOMATICALLY DIM THE LIGHT FIXTURES IN DAYLIGHT ZONES PROPORTIONAL TO THE AVAILABLE DAYLIGHT.
 - MANUAL CONTROL VIA WALL STATION
 - PRESSING THE OFF BUTTON SHALL TURN THE LIGHTS OFF. PRESSING THE ON BUTTON SHALL TURN THE LIGHTS ON AND RESTORE THE AUTOMATIC LIGHTING CONTROL FUNCTIONS.
 - PROGRAM THE POWER PACK TO ENABLE THE SPECIAL OPERATING MODE "PREDICTIVE OFF". SET THE "PREDICTIVE EXIT TIME" TO 8 SECONDS, AND THE "PREDICTIVE GRACE PERIOD" TO ZERO SECONDS. NOTE THAT THE REFERENCED SETTINGS ARE FOR NLIHT. OTHER MANUFACTURERS LISTED AS ACCEPTABLE IN THE SPECIFICATIONS SHALL HAVE EQUIVALENT SETTINGS.
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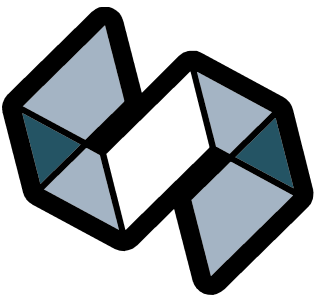
515 Oak St
Baraboo, WI 53913

SHEET NAME

ELECTRICAL LIGHTING
DETAILS

SHEET NO.

E811



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INTERIOR DESIGN

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CONSTRUCTION
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LUMINAIRE SCHEDULE NOTES:

- LUMINAIRE MOUNTING TO BE COORDINATED WITH CEILING OR WALL TYPE. ALL TRIM AND MOUNTING ACCESSORIES SHALL BE PROVIDED AND VERIFIED COMPATIBLE WITH MOUNTING SURFACE TYPE AND ARCHITECTURAL DRAWINGS.
- FINAL MOUNTING HEIGHTS FOR SUSPENDED AND WALL LUMINAIRES SHALL BE AS NOTED AND CONFIRMED WITH ARCHITECTURAL ELEVATIONS AND DETAILS, IF APPLICABLE. IF THIS INFORMATION IS NOT SHOWN, HEIGHTS SHALL BE CONFIRMED WITH ARCHITECT/ENGINEER PRIOR TO ORDERING AND ROUGH-IN.
- LUMINAIRE MANUFACTURERS AND MODELS LISTED IN THE SCHEDULE ARE THE BASIS OF DESIGN. ANY PROPOSED SUBSTITUTIONS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PROCUREMENT.
- PART NUMBERS/SERIES LISTED ARE TO ESTABLISH A MINIMUM QUALITY LEVEL ONLY. SUPPLIERS SHALL VERIFY THE LISTED LUMINAIRE MEETS ALL REQUIREMENTS LISTED IN THIS SCHEDULE AND SPECIFICATIONS. WHERE THE PART NUMBER LISTED DOES NOT MEET ALL THE REQUIREMENTS LISTED, SUPPLIER SHALL PROVIDE LUMINAIRE WITH EQUAL OR BETTER QUALITY THAT MEETS ALL THE REQUIREMENTS.
- MAXIMUM LUMINAIRE POWER IS LISTED TO ENSURE COMPLIANCE WITH ENERGY CODE CALCULATIONS. EQUALS SHALL NOT USE MORE VA THAN LISTED.
- FOR CONTINUOUS DIMMING LUMINAIRES, THE DIMMING COLUMN LISTS THE REQUIRED DIMMING RANGE IN PERCENTAGE. I.E. 10%-100% INDICATES A LUMINAIRE DIMMABLE FROM FULL(100%) DOWN TO 10%.
- BALLAST/DRIVER TYPE ABBREVIATIONS:
 - LED: ELECTRONIC LED DRIVER
 - 0-10V: 0-10V DIMMING
- LUMINAIRE OPTIONS TAG ABBREVIATIONS:
 - ELM: LUMINAIRE SERVED FROM NEC 700 EMERGENCY BRANCH VIA UL924 CONTROLLER THAT ALLOWS FIXTURE TO OPERATE IN THE SAME MANNER AS NORMAL FIXTURES ON THE SAME CONTROL ZONE, AND UPON SENSING LOSS OF NORMAL POWER THE LUMEN OUTPUT AUTOMATICALLY SWITCHES TO 100%.

LUMINAIRE SCHEDULE											
LUMINAIRE ID	DESCRIPTION	MANUFACTURER / SERIES	LAMP TYPE / LUMENS / MIN. CRI	COLOR TEMP	DRIVER TYPE	DIMMING %	INPUT VOLT-AMPS	VOLTAGE	MOUNTING	NOTES	
A20	2x2 LED RECESSED FLAT PANEL FIXTURE	LITHONIA SPX 2X2 LUGR MINI0 MVOLT	LED / 2000LM / 80 CRI	4000 K	LED, 0-10V	10-100%	15 VA	120 V	RECESSED		
A34	2x2 LED RECESSED FLAT PANEL FIXTURE	LITHONIA SPX 2X2 LUGR MINI0 MVOLT	LED / 3400LM / 80 CRI	4000 K	LED, 0-10V	10-100%	20 VA	120 V	RECESSED		
D6	6" RECESSED LED DOWNLIGHT	GOTHAM EV06 4015 WR LSS MWD MVOLT EZ10	LED / 1500LM / 80 CRI	4000 K	LED, 0-10V	10-100%	15 VA	120 V	RECESSED		
D10	4" RECESSED LED DOWNLIGHT	GOTHAM EV04 4010 WR LSS MWD MVOLT EZ10	LED / 1000LM / 80 CRI	4000 K	LED, 0-10V	10-100%	10 VA	120 V	RECESSED		
D15	4" RECESSED LED DOWNLIGHT	GOTHAM EV04 4015 WR LSS MWD MVOLT EZ10	LED / 1500LM / 80 CRI	4000 K	LED, 0-10V	10-100%	15 VA	120 V	RECESSED		
D510	4" RECESSED LED SHOWER DOWNLIGHT	GOTHAM EV04SH 4010 OFF SMO MVOLT EZ1	LED / 1000LM / 80 CRI	4000 K	LED, 0-10V	10-100%	10 VA	120 V	RECESSED		
EBW	WALL MOUNTED EMERGENCY BATTERY FIXTURE- SELF DIAGNOSTICS AND TESTING	LITHONIA ELM2L	LED	4000 K	LED	100%	5 VA	120 V	RECESSED	20" SPACING	
F1	4" LED STRIP LIGHT WITH DROP LENS	LITHONIA ZL1D-L48-5000LM-FST-MVOLT-40K-80CRI-WH	LED / 5000LM / 80 CRI	4000 K	LED, 0-10V	10-100%	40 VA	120 V	SUSPENDED		
LS	LED LOW PROFILE LED TAPE LIGHT IN LENSED CHANNEL WITH REMOTE DIMMING DRIVER- LENGTH AS SHOWN	ACOLYTE STATIC WHITE SERIES 2 RIBBON/LYTE 4.4 IN ASI SERIES 2 CHANNEL WITH MILKY LENS	LED	4000 K	LED, 0-10V	10-100%		120 V	SUSPENDED		
S33	2x2 LED SURFACE MOUNTED FLAT PANEL FIXTURE	LITHONIA CPANL 2X2 ALD1 SWW71M 3300 40 80 MVOLT	LED / 3300LM / 80 CRI	4000 K	LED, 0-10V	10-100%	30 VA	120 V	SURFACE	PROVIDE 2X2SMKSHPP SURFACE MOUNTING KIT	
X1D	DOUBLE FACE EDGE-LIT EXIT SIGN, CLEAR ACRYLIC LENS, ALUMINUM FINISH TRIM	LITHONIA EDG 2 GMR	LED	0 K	LED	--	5 VA	120 V	UNIVERSAL		
X1S	SINGLE FACE EDGE-LIT EXIT SIGN, CLEAR ACRYLIC LENS, ALUMINUM FINISH TRIM	LITHONIA EDG 1 GMR	LED	0 K	LED	--	5 VA	120 V	UNIVERSAL		
X2S	SINGLE FACE DIE CAST STENCIL FACE EXIT SIGN	LITHONIA LE-S-1R	LED	0 K	LED	--	5 VA	120 V	UNIVERSAL		

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

- ALL ELECTRICAL CONNECTIONS TO OTHER CONTRACTORS' EQUIPMENT SHALL BE FULLY COORDINATED WITH THE PROVIDING CONTRACTOR PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ADJUSTMENTS NEEDED TO PROVIDE POWER TO EQUIPMENT. ANY ADJUSTMENTS REQUIRED SHALL BE AT NO COST TO THE PROJECT.
- COORDINATE ALL ELECTRICAL REQUIREMENTS WITH APPROVED SHOP DRAWING PRIOR TO ROUGH-IN AND BEFORE SUBMITTING ELECTRICAL EQUIPMENT.

LEGEND:

NFSS - NON-FUSED SAFETY SWITCH FNVR - FULL VOLTAGE NON REVERSING VFD - VARIABLE FREQUENCY DRIVE CB - CIRCUIT BREAKER MMS - MANUAL MOTOR STARTER
FSS - FUSED SAFETY SWITCH INT - INTEGRAL STARTER MFR - MANUFACTURER

MECHANICAL EQUIPMENT CONNECTION SCHEDULE																
EQUIPMENT ID	DESCRIPTION	LOCATION		HORSEPOWER (HP)	FLA	LOAD (VA)	VOLTAGE / PHASE	PANEL	BREAKER SIZE	CIRCUIT	BRANCH CIRCUIT SIZE	STARTER		DISCONNECT		NOTES
		NAME	NUMBER									TYPE	FURN / INST	TYPE	FURN / INST	
AC-1	FAN COIL UNIT				0.48 A	58 VA	120 V/1		15 A		2#12,1#12G-3/4"C	INT	MFR	MMS	DIV 26	
ACCU	AIR CONDENSING UNIT	SHERIFF'S GARAGE	109		0.48 A	58 VA	120 V/1		15 A		2#12,1#12G-3/4"C	INT	MFR	MMS	DIV 26	
AHU-1	AIR HANDLER UNIT	MAINTENANCE	007	15	46.2 A	16625 VA	208 V/3	MDP-1/A	90 A	7	3#2,1#6-1 1/4"C	INT	MFR	NFSS	DIV 26	
AHU-3	AIR HANDLER UNIT	PENTHOUSE	400	5	16.7 A	6009 VA	208 V/3	EM14/A	35 A	1,3,5	3#8,1#10-3/4"C	VFD	DIV 23 / DIV 26	VFD	DIV 23 / DIV 26	
BCU-1	BLOWER COIL	MECHANICAL	122.1	1.5	6.6 A	2375 VA	208 V/3	MDP-2/C	15 A	1	3#12,1#12G-3/4"C	MFR	DIV 23	MFR	DIV 23	
EF-1	EXHAUST FAN	MAINTENANCE	007	0.17	2.3 A	828 VA	208 V/1	EMDP-2/A	15 A	14	2#12,1#12G-3/4"C	FSS	MFR	INT	DIV 26	
EF-2	EXHAUST FAN	PENTHOUSE	400	0.75	3.5 A	1259 VA	208 V/3	L10/A	15 A	19,21,23	3#12,1#12G-3/4"C	VFD	DIV 23 / DIV 26	VFD	DIV 23 / DIV 26	
EF-3	EXHAUST FAN	ROOF	017	0.17	2.3 A	828 VA	208 V/1	3/2"C	15 A	32,34	2#12,1#12G-3/4"C	FSS	MFR	INT	DIV 26	
FCL-1	FAN COIL UNIT	LOBBY	218	0.25	5.8 A	696 VA	120 V/1	MDP-2/C	15 A	3	2#12,1#12G-3/4"C	INT	MFR	MMS	DIV 26	
P-1	HOT WATER PUMP	MECHANICAL	004	10	30.8 A	11083 VA	208 V/3	2/A	60 A	13,15,17	3#8,1#10G - 3/4"C	VFD	DIV 23 / DIV 26	VFD	DIV 23 / DIV 26	
P-2	HOT WATER PUMP	MECHANICAL	004	10	30.8 A	11083 VA	208 V/3	EM12/A	60 A	13,15,17	3#8,1#10G - 3/4"C	VFD	DIV 23 / DIV 26	VFD	DIV 23 / DIV 26	
P-3	PUMP	MAINTENANCE	007	1	8.8 A	3167 VA	208 V/1	MDP-1/A	15 A	13	2#12,1#12G-3/4"C	MMS	DIV 26	MMS	DIV 26	
P-4	PUMP	LOBBY	343	1	8.8 A	3167 VA	208 V/1	3/2"C	15 A	9,11	2#12,1#12G-3/4"C	MMS	DIV 26	MMS	DIV 26	
P-5	PUMP	PENTHOUSE	400	1	8.8 A	3167 VA	208 V/1	MDP-3B	15 A	4,8	2#12,1#12G-3/4"C	MMS	DIV 26	MMS	DIV 26	
P-6	PUMP	MECHANICAL	122		8.8 A	3167 VA	208 V/1		15 A		2#12,1#12G-3/4"C	MMS	DIV 26	MSS	DIV 26	
RAHU-2	ROOFTOP AIR HANDLER UNIT	ROOF		7.5	24.2 A	8708 VA	208 V/3	3/2"C	50 A	8,10,12	3#8,1#10 - 3/4"C	VFD	DIV 23 / DIV 26	VFD	DIV 23 / DIV 26	
RF-1	RELIEF FAN	MAINTENANCE STORAGE	B20	5	16.7 A	6009 VA	208 V/3	MDP-1/A	35 A	1	3#8,1#10-3/4"C	VFD	DIV 23 / DIV 26	VFD	DIV 26	
RF-2	RELIEF FAN	ROOF		5	16.7 A	6009 VA	208 V/3	3/2"C	35 A	25,27,29	3#8,1#10-3/4"C	INT	MFR	INT	DIV 26	
RF-3	RELIEF FAN	PENTHOUSE	400	2	7.5 A	2699 VA	208 V/3	EM14/A	15 A	2,4,6	3#12,1#12G-3/4"C	INT	MFR	INT	DIV 26	
RF-4	RELIEF FAN	ROOF		2	7.5 A	2699 VA	208 V/3	MDP-3B	15 A	7,9,11	3#12,1#12G-3/4"C	VFD	DIV 23 / DIV 26	VFD	DIV 23	
RTU-1	ROOFTOP AIR HANDLER UNIT	ROOF		0	53 A	19094 VA	208 V/3	3/A	70 A	19,21,23	3#4,1#9G-1 1/4"C	INT	MFR	INT	MFR	10 KAIC
UH-1	UNIT HEATER	MAINTENANCE STORAGE	008	0.04	0.24 A	29 VA	120 V/1	MDP-1/A	15 A	17	2#12,1#12G-3/4"C	MMS	DIV 23	MMS	DIV 26	
UH-2	UNIT HEATER	MAINTENANCE STORAGE	006	0.04	0.24 A	29 VA	120 V/1	MDP-1/A	15 A	17	2#12,1#12G-3/4"C	MMS	DIV 23	MMS	DIV 26	
UH-3	UNIT HEATER	MAINTENANCE	007	0.04	0.24 A	29 VA	120 V/1	MDP-1/A	15 A	17	2#12,1#12G-3/4"C	MMS	DIV 23	MMS	DIV 26	
UH-4	UNIT HEATER	PENTHOUSE	400	0.08	2.2 A	264 VA	120 V/1	MDP-3B	15 A	2	2#12,1#12G-3/4"C	MMS	DIV 23	MMS	DIV 26	

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DRAWING SET	CD
DATE	08/31/2026
PROJECT NO.	2025012

PROJECT TITLE

SAUK COUNTY
COURTHOUSE HVAC
AND LIGHTING
UPGRADES

515 Oak St
Baraboo, WI 53913

SHEET NAME

ELECTRICAL
SCHEDULES

SHEET NO.

E911