

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER

S. WALNUT & W. 8TH, APPLETON WI 54911

SHEET INDEX - OVERALL	
SHEET NUMBER	SHEET NAME
EA001	TITLE SHEET - SHEET INDEX
EA002	ELECTRICAL SYMBOLS
ED101	ELECTRICAL SITE DEMOLITION PLAN
ED209	LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH
ED210	LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER
ED211	LEVEL 790.00 / 820.00 ELECTRICAL DEMOLITION PLANS-CAB
ED212	LEVEL 790.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH
ED213	LEVEL 790.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER
ED214	LEVEL 805.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH
ED215	LEVEL 805.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER
ED217	LEVEL 820.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH
ED218	ROOFTOP LEVEL ELECTRICAL DEMOLITION PLAN-HHS NORTH
ED219	LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-HHS SOUTH
ED220	ROOFTOP LEVEL ELECTRICAL DEMOLITION PLAN-HHS SOUTH
ED631	POWER DISTRIBUTION DEMOLITION ONE LINE DIAGRAM-JUSTICE CENTER, SHEET ONE OF THREE
ED632	POWER DISTRIBUTION DEMOLITION ONE LINE DIAGRAM-JUSTICE CENTER, SHEET TWO OF THREE
ED633	POWER DISTRIBUTION DEMOLITION ONE LINE DIAGRAM-JUSTICE CENTER, SHEET THREE OF THREE
EE631	POWER DISTRIBUTION ONE LINE DIAGRAM-JUSTICE CENTER, SHEET ONE OF THREE
EE632	POWER DISTRIBUTION ONE LINE DIAGRAM-JUSTICE CENTER, SHEET TWO OF THREE
EE633	POWER DISTRIBUTION ONE LINE DIAGRAM-JUSTICE CENTER, SHEET THREE OF THREE
EE641	POWER DISTRIBUTION ONE LINE DIAGRAM-OCAC NORTH
EF831	PANEL DIRECTORIES, SHEET 1 OF 1-JUSTICE CENTER
EF841	PANEL DIRECTORIES, SHEET 1 OF 7-OCAC NORTH
EF842	PANEL DIRECTORIES, SHEET 2 OF 7-OCAC NORTH
EF843	PANEL DIRECTORIES, SHEET 3 OF 7-OCAC NORTH
EF844	PANEL DIRECTORIES, SHEET 4 OF 7-OCAC NORTH
EF845	PANEL DIRECTORIES, SHEET 5 OF 7-OCAC NORTH STANDBY PANELS
EF846	PANEL DIRECTORIES, SHEET 6 OF 7 - OCAC NORTH STANDBY PANELS
EF847	PANEL DIRECTORIES, SHEET 7 OF 7-OCAC NORTH EMERGENCY PANELS
EL229	LEVEL 780.00 LIGHTING PLAN-HHS NORTH
EL230	LEVEL 780.00 LIGHTING PLAN-JUSTICE CENTER
EL231	LEVEL 790.00 / 820.00 LIGHTING PLANS-CAB
EL232	LEVEL 790.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH
EL233	LEVEL 790.00 LIGHTING PLAN-OCAC NORTH
EL234	LEVEL 790.00 LIGHTING PLAN-JUSTICE CENTER
EL235	LEVEL 805.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH
EL236	LEVEL 805.00 LIGHTING PLAN-OCAC NORTH
EL237	LEVEL 805.00 LIGHTING PLAN-JUSTICE CENTER
EL238	LEVEL 820.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH
EL239	LEVEL 820.00 LIGHTING PLAN-OCAC NORTH
EL701	LIGHTING DETAILS, SHEET 1 OF 1
EL801	LIGHTING FIXTURE SCHEDULE
EL811	LIGHTING CONTROLS SCHEDULE
EL821	COMCHECK LIGHTING COMPLIANCE REPORTS-SHEET 1 OF 1
EM230	LEVEL 780.00 EM LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER
EM231	LEVEL 790.00 / 820.00 EM LIGHTING PHOTOMETRIC PLANS-CAB
EM232	LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH
EM233	LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH
EM234	LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER
EM235	LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH
EM236	LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH
EM237	LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER
EM238	LEVEL 820.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH
EM239	LEVEL 820.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH
EP229	LEVEL 780.00 POWER PLAN-HHS NORTH

SHEET INDEX - OVERALL	
SHEET NUMBER	SHEET NAME
EP230	LEVEL 780.00 POWER PLAN-JUSTICE CENTER
EP231	LEVEL 790.00 / 820.00 POWER PLANS-CAB
EP232	LEVEL 790.00 POWER PLAN-HHS NORTH/OCAC SOUTH
EP233	LEVEL 790.00 POWER PLAN-OCAC NORTH
EP234	LEVEL 790.00 POWER PLAN-JUSTICE CENTER
EP235	LEVEL 805.00 POWER PLAN-HHS NORTH/OCAC SOUTH
EP236	LEVEL 805.00 POWER PLAN-OCAC NORTH
EP237	LEVEL 805.00 POWER PLAN-JUSTICE CENTER
EP238	LEVEL 820.00 POWER PLAN-HHS NORTH/OCAC SOUTH
EP239	LEVEL 820.00 POWER PLAN-OCAC NORTH
EP240	ROOF LEVEL POWER PLAN-HHS NORTH/OCAC SOUTH
EP241	ROOF LEVEL POWER PLAN-OCAC NORTH
EP802	POWER SCHEDULES, HVAC
EP803	POWER SCHEDULE, SPECIAL OUTLETS - 1 OF 2
EP804	POWER SCHEDULE, SPECIAL OUTLETS - 2 OF 2
EP805	PLUMBING SCHEDULE
ES101	SITE ELECTRICAL PLAN
ES111	SITE PHOTOMETRIC PLAN
ES801	SITE LIGHTING FIXTURE SCHEDULE
ES802	COMCHECK REPORT-SITE LIGHTING
EY229	LEVEL 780.00 LV SYSTEMS PLAN-HHS NORTH
EY230	LEVEL 780.00 LV SYSTEMS PLAN-JUSTICE CENTER
EY231	LEVEL 790.00 / 820.00 LV SYSTEMS PLANS-CAB
EY232	LEVEL 790.00 LV SYSTEMS PLAN-HHS NORTH/OCAC SOUTH
EY233	LEVEL 790.00 LV SYSTEMS PLAN-OCAC NORTH
EY234	LEVEL 790.00 LV SYSTEMS PLAN-JUSTICE CENTER
EY235	LEVEL 805.00 LV SYSTEMS PLAN-HHS NORTH/OCAC SOUTH
EY236	LEVEL 805.00 LV SYSTEMS PLAN-OCAC NORTH
EY237	LEVEL 805.00 LV SYSTEMS PLAN-JUSTICE CENTER
EY238	LEVEL 820.00 LV SYSTEMS PLAN-HHS NORTH/OCAC SOUTH
EY239	LEVEL 820.00 LV SYSTEMS PLAN-OCAC NORTH
EY601	LOW VOLTAGE RISER DIAGRAM/DETAILS
EY701	ENLARGED MDF/IDF DRAWINGS-OCAC NORTH
EY702	ENLARGED MDF/IDF DRAWINGS-HHS NORTH/OCAC SOUTH
EY703	ENLARGED MDF/IDF DRAWINGS-LEVEL CAB AND JUSTICE CENTER
EY704	SECURITY DETAILS
FA229	LEVEL 780.00 FIRE ALARM SYSTEM PLAN-HHS NORTH
FA230	LEVEL 780.00 FIRE ALARM SYSTEM PLAN-JUSTICE CENTER
FA231	LEVEL 790.00 / 820.00 FIRE ALARM SYSTEM PLANS-CAB
FA232	LEVEL 790.00 FIRE ALARM SYSTEM PLAN-HHS/OCAC SOUTH
FA233	LEVEL 790.00 FIRE ALARM SYSTEM PLAN-OCAC NORTH
FA234	LEVEL 790.00 FIRE ALARM SYSTEM PLAN-JUSTICE CENTER
FA235	LEVEL 805.00 FIRE ALARM SYSTEM PLAN-HHS NORTH/OCAC SOUTH
FA236	LEVEL 805.00 FIRE ALARM SYSTEM PLAN-OCAC NORTH
FA237	LEVEL 805.00 FIRE ALARM SYSTEM PLAN-JUSTICE CENTER
FA238	LEVEL 820.00 FIRE ALARM SYSTEM PLAN-HHS NORTH/OCAC SOUTH
FA239	LEVEL 820.00 FIRE ALARM SYSTEM PLAN-OCAC NORTH
FA701	FIRE ALARM SYSTEM DETAILS, SHEET 1 OF 1
XE101	SITE ELECTRICAL DEMOLITION PLAN
XE102	SITE ELECTRICAL PLAN AND FIXTURE SCHEDULE
XE103	LIGHTING PHOTOMETRIC PLAN
XE801	COMCHECK REPORT-SITE LIGHTING

Figure 1: Typical elevator call station layout. The diagram illustrates the vertical and horizontal arrangement of various components. The vertical dimensions are 80", 72", 42", and 18". The horizontal dimensions are 90" and 60". The components include:

- AUDIBLE/VISUAL UNIT
- VISUAL ONLY UNIT
- AUDIBLE ONLY UNIT
- ELEVATOR POSITION INDICATOR
- ELEVATOR CALL BUTTON
- COUNTER HT. RECEPTACLE
- KEY PAD
- CARD READER
- LIGHT SWITCH
- MANUAL PULL STATION
- WALL MOUNTED TELEPHONE
- DATA
- TOP OF PULL STATION HANDLE

NOTES:

A. VERIFY EXACT MOUNTING HEIGHTS WITH PROJECT REQUIREMENTS. DEVICES MAY OR MAY NOT APPLY TO THIS PROJECT. REFER TO PLANS.

B. ALL NEW DEVICES SHALL BE INSTALLED ACCORDING TO THE MOUNTING HEIGHTS INDICATED U.N.O.

POWER DEVICE DESIGNATIONS:	
C	CEILING
CD	CORD DROP
CR	CHILD RESISTANT COVER PLATE
D	DEDICATED CIRCUIT
FF	FURNITURE FEED
GFI	GROUND FAULT INTERRUPTER
IG	ISOLATED GROUND
PP	POWER POLE
REC	RECEPTACLE
TR	TAMPER RESISTANT
USB	USB PORT
WP	WEATHER PROOF
WR	WEATHER RESISTANT

	ACCESS CONTROL PANEL
	DOOR ENTRY PANEL
	ACCESS CONTROL PUSH BUTTON
	AUTOMATIC DOOR OPERATOR
	CARD READER
	CARD READER MULLION MOUNTED
	DELAYED EGRESS CRASH BAR
	DOOR CONTACT
	DURESS RECEIVER
	DURESS TRANSPONDER
	ELECTRIC LATCH RETRACTION
	ELECTRIC LOCKSET
	ELECTRIC STRIKE
	ELECTRIC TRIM
	EMERGENCY EXIT BUTTON
	GLASS BREAK DETECTOR
	KEYPAD
	LATCH BOLT MONITOR
	MAGNETIC LOCK
	MOTION DETECTOR
	NETWORK VIDEO RECORDER
	OVERHEAD DOOR CONTACT
	POWER TRANSFER HINGE
	REQUEST TO EXIT
	RF READER
	SECURITY POWER SUPPLY
	WANDER GUARD SENSOR
	WANDER GUARD KEYPAD
	CAMERA A: 1MP CAMERA CAMERA B: 5MP INDOOR/OUTDOOR CAMERA
	CAMERA C: 360° INDOOR/OUTDOOR CAMERA

FIRE ALARM DEVICE DESIGNATIONS:	
FACP	FIRE ALARM CONTROL PANEL
SMCP	SMOKE CONTROL PANEL
GAP	GENERATOR ANNUNCIATOR PANE
ECP	ELEVATOR CONTROL PANEL
EX	EXISTING
C	CEILING MOUNTED
D	DUCT
H	THERMO
LF	LOW FREQUENCY
LV	LOW VOLTAGE (240V AND DOWN)
WP	WATER PROOF

AREA OF RESCUE SYMBOLS	
	AREA OF RESCUE ANNUNCIATOR PANEL
	AREA OF RESCUE
	AREA OF RESCUE CALL STATION
	AREA OF RESCUE CONTROL PANEL
	DOOR KING ENTRY PANEL
	MEDIA BOX

AC	ABOVE COUNTER	LF	LOW FREQUENCY
ADO	AUTOMATIC DOOR OPENER	LOAD	LOAD
AFF	ABOVE FINISHED FLOOR	LTS	LIGHTING
AFH	ABOVE FINISHED GRADE	LPL	LOW VOLTAGE PANEL
AHU	AIR HANDLING UNIT	LPTG	LONG TIME PICK UP
AWG	AMERICAN WIRE GAGE	LTS	LIGHTS
BC	BARE COPPER	LT	LONG TIME DELAY
BD	BUS DUCT	MAU	MAKE-UP AIR UNIT
BDV	BUS DUCT LOW VOLTAGE	MB	MAIN BREAKER
BOSC	BREAKER DISCONNECT	MCC	MOTOR CONTROL CENTER
CD	CONDUIT OR CEILING	MDP	MAIN DISTRIBUTION PANEL
CAP	CAPACITOR BANK	MET	METER
CB	CIRCUIT BREAKER	MICRO	MICROWAVE
CC	CIRCUIT	ML	MAIN LUG
CCTV	CLOSED CIRCUIT TV	MLO	MAIN LUG ONLY
CLG	CEILING	MTD	MOUNTED
CNT	CONTRACTOR	MTR	MOTOR
COND	CONDUIT	N	NORTH
CP	CONTROL PANEL	NFSS	NON-FUSES SAFETY SWITCH
DB	DIRECT BURIAL OR DRAWOUT BREAKER	OHD	OVERHEAD DOOR
DIS	DISCONNECT	OV	OVERLOAD
OV	DRIVE	P	POLE
DW	DRAIN/WASTE	PB	PULL BOX OR PUSH BUTTON
E	EAST	PH	PHASE
EC	EMERGENCY CONDUIT OR ELECTRIC CONTRACTOR	PLBG	PLUMBING
EDH	ELECTRIC DUCT HEATER	PNL	ELECTRICAL PANEL OR PANEL BOARD
EF	EXHAUST FAN	POD	POWER OPERATED DAMPER
EG	EQUIPMENT GROUND	PWR	POWER
ELEC	ELECTRIC	REC	RECEPTACLE
EM	EMERGENCY	REF	REFRIGERATOR
ER	EXISTING TO REMAIN	RG	RANGE
EW	ELECTRIC WATER COOLER	RH	RANGE HOOD
FA	FIRE ALARM	RLY	RELAY
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RTU	ROOF TOP UNIT
FCU	FUSE BLOCK	S	SOUTH
FBU	FAN COIL UNIT	SA	SAFETY SWITCH
FOSC	FUSED DISCONNECT	STA	STATION
FIXT	FIXTURE	STD	SHORT TIME DELAY
FL	FLUORESCENT	STP	SHORT TIME PICK UP
FSS	FUSED SAFETY SWITCH	STR	STARTER
FTU	FAN TERMINAL UNIT	SWBD	SWITCH BOARD
FUSE	FUSE	SWGR	SWITCH
G	GROUND	TEL	TELEPHONE
G.GND	GENERAL CONTRACTOR	THS	TOP HALF SWITCH
GEN	GENERATOR	TV	TELEVISION
GFCI	GROUND FAULT DETECTOR	TYD	TYPICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TR	TAMPER RESISTANT
GFI	GROUND FAULT PICK UP	U	UNIT HATER
H	HIGH	UNO	UNLESS NOTED OTHERWISE
HPT	HANGING HEIGHT	UNINT	UNINTERRUPTIBLE POWER SUPPLY
HP	HORSE POWER	UTL	UTILITY
HPNL	HIGH VOLTAGE PANEL	V	VOLTAGE
HVAC	HEATING AND VENTILATION	W	WEST
INCAND	INCANDESCENT	WG	WIRE GUARD
INST	INSTANTANEOUS	WR	WEATHER RESISTANT
JB	JUNCTION BOX	WT	WATER TIGHT
	LOWER	WIR	WIREWAY
LCNT	LIGHTING CONTRACTOR	XFAN	EXHAUST FAN
		XFER	TRANSFER SWITCH
		TRFM	TRANSFORMER

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

[illegible][illegible]

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
ELECTRICAL SYMBOLS

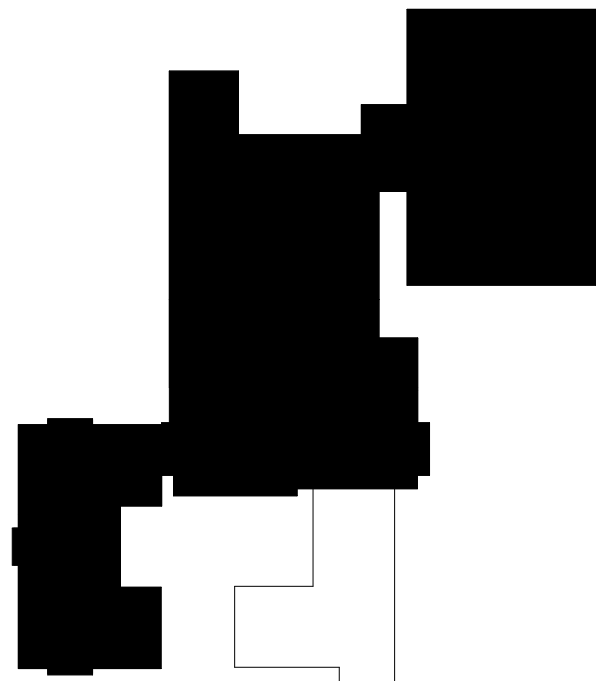
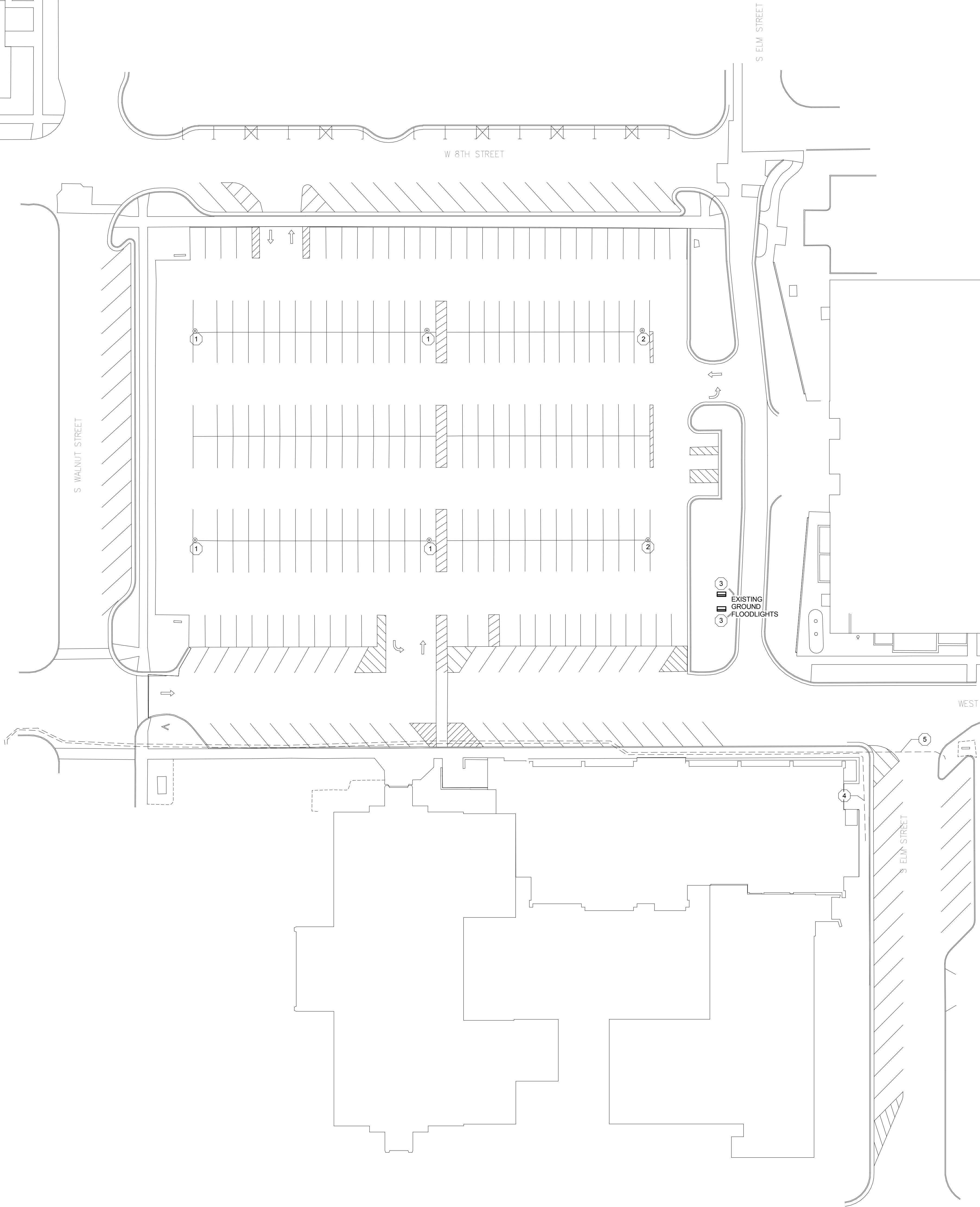
EA002

1

SITE ELECTRICAL DEMOLITION PLAN

Scale: 1" = 30'-0"

REFER TO DRAWING XE101 FOR
DEMO WORK AT THIS SITE
LOCATION



PLAN KEY



GENERAL NOTES:

- A. LOCATIONS SHOWN ON THIS DRAWING ARE CONSIDERED TO BE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO START OF ANY /ALL DEMOLITION WORK.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND SCHEDULING REMOVAL OF EXISTING UNDERGROUND 4160 VOLT SERVICES WITH WE ENERGIES (CONTACT: TOM YOUNG AT 920-380-3489).

PLAN NOTES: #

1. EXISTING SITE LIGHTING BASE, POLE AND FIXTURES ARE TO REMAIN AS INSTALLED. RECONNECT EXISTING UNDERGROUND BRANCH CIRCUIT WIRING TO NEW PANEL - REFER TO DRAWING ES101.
2. EXISTING SITE LIGHTING BASE, POLE AND FIXTURES ARE TO BE COMPLETELY REMOVED. DELIVER POLE AND FIXTURES TO OWNER STORAGE LOCATION AS PER SPECIFICATION SECTION 28 05 01.00.
3. EXISTING TWO (2) GROUND MOUNTED FLAG POLE FLOOD LIGHT FIXTURES AND CONCRETE BASES ARE TO BE COMPLETELY REMOVED. DELIVER FIXTURES TO OWNER STORAGE LOCATION AS PER SPECIFICATION SECTION 28 05 01.00
4. EXISTING UNDERGROUND 4160 VOLT, 3 PHASE ELECTRICAL SERVICE TO THIS-NORTH BUILDING TO BE REMOVED BY WE-ENERGIES PRIOR TO START OF NEW ADDITION EXCAVATION.
5. EXISTING UNDERGROUND 4160 VOLT, 1 PHASE ELECTRICAL SERVICE TO EXISTING POWER POLE ON CORNER OF WEST SEVENTH STREET AND SOUTH ELM STREET TO BE REMOVED BY WE-ENERGIES PRIOR TO START OF NEW ADDITION EXCAVATION.

DESIGNED	DRAWN
JMM	MAL
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

ED101

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
ELECTRICAL SITE DEMOLITION PLAN

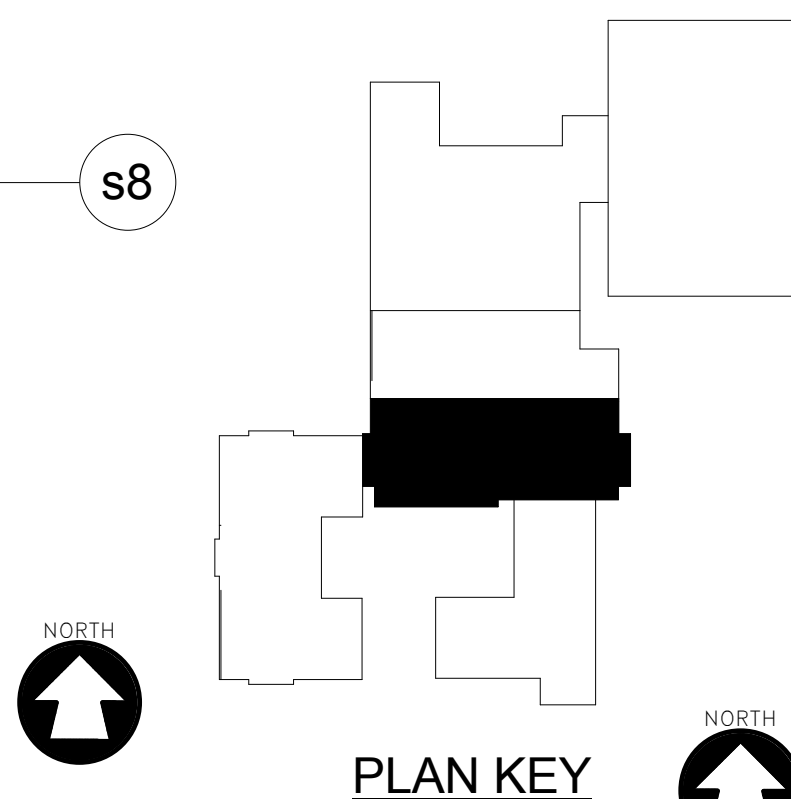
REVISION

DATE

NO.

McMahon provides this drawing as instruments of service. All work shall be done in accordance with the specifications and standards established by McMahon. The client shall be responsible for obtaining all necessary permits and for securing all required approvals. McMahon shall not be responsible for any delays or costs incurred by the client due to failure to obtain necessary permits or approvals. McMahon shall not be responsible for any damages or injuries resulting from the use of this drawing. McMahon shall not be responsible for any changes made to the original drawing without the written consent of McMahon.

McMAHON
ENGINEERS ARCHITECTS
McMahon Architects, Inc.
Madison, P.O. BOX 1025 NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mhgrp.com



1 LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH
Scale: 1/8" = 1'-0"

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of changes made to the original drawing or data without prior written consent by McMahon.

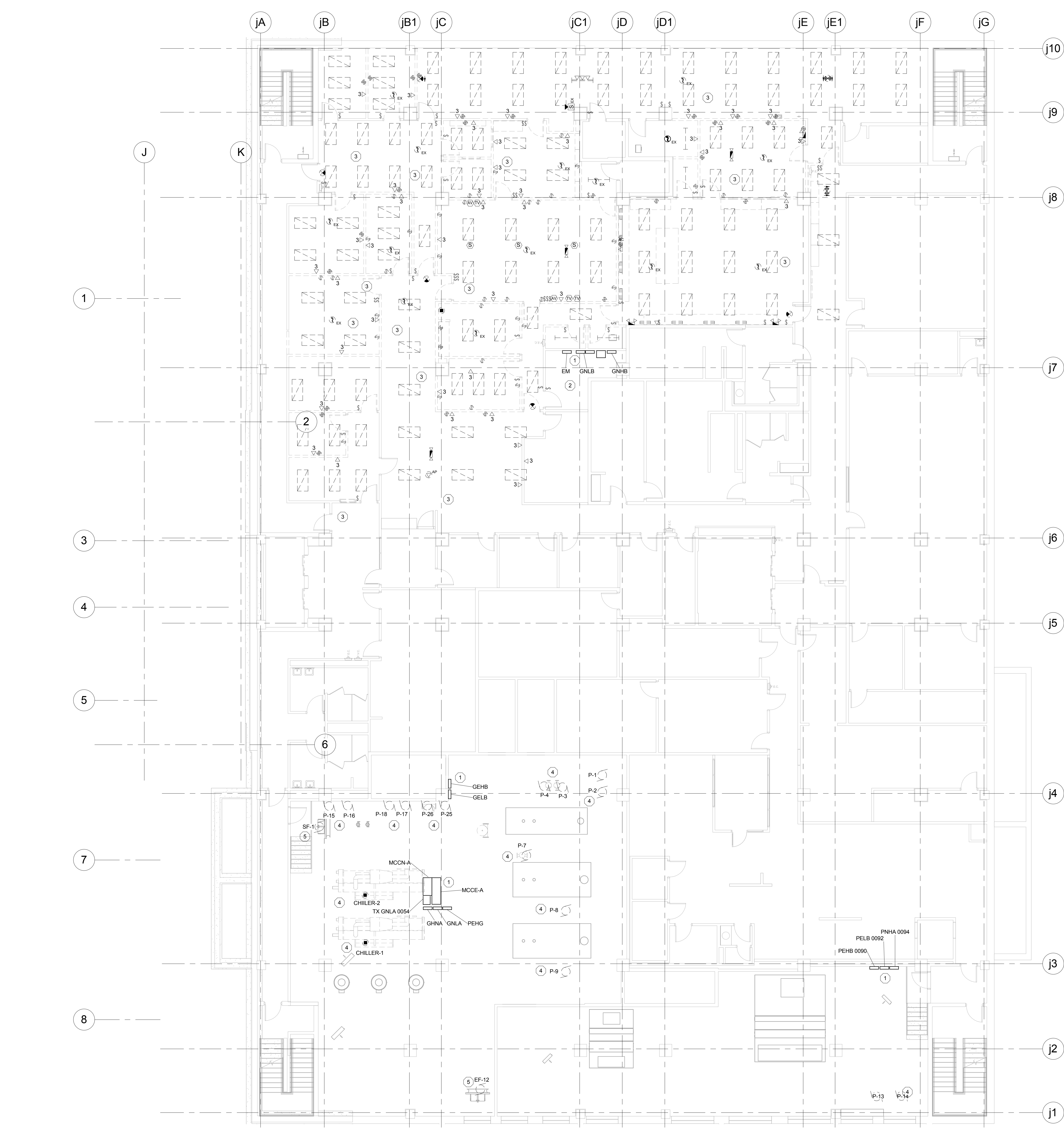
McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O. BOX 10205 NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

[illegible]

AL TERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH

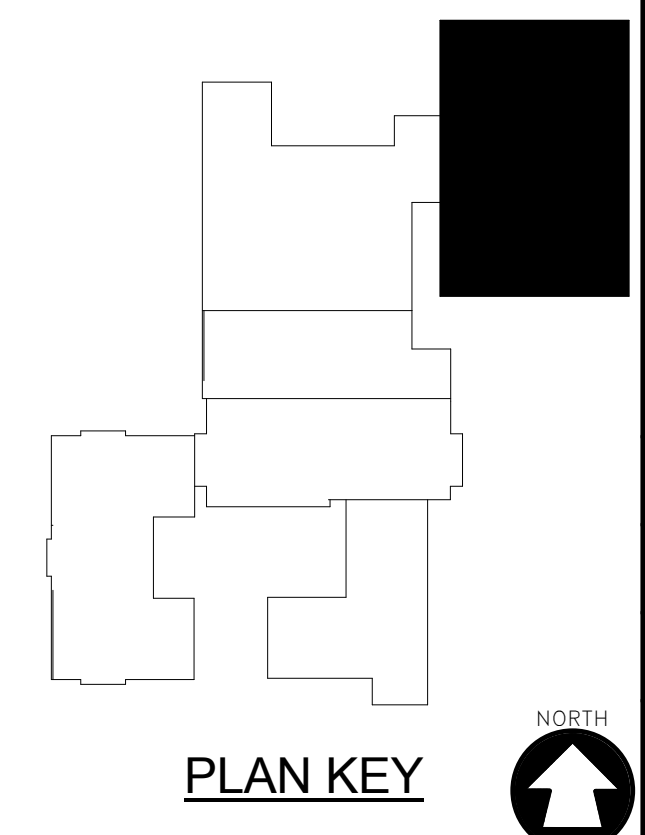
DESIGNED RJW	DRAWN MAL
PROJECT NO. 00002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

ED209



1 LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER
Scale: 1/8" = 1'-0"

- GENERAL NOTES:
- A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ELECTRICAL COMPONENTS/EQUIPMENT BEING REMOVED DURING DEMOLITION. COORDINATE WITH OWNER ALL COMPONENTS TO BE SALVAGED.
- C. ELECTRICAL ITEMS IN AREAS IDENTIFIED WITH DASHED WALL LINES SHALL BE REMOVED.
- D. DEVICES THAT ARE EXISTING TO REMAIN, ARE TO BE REFEED AS REQUIRED TO KEEP CIRCUIT COMPLETE. RECESSED OR SURFACE MOUNTED.
- E. CAT 3 AND CAT 6 VOICE AND DATA CABLEING SHALL BE COILED AT THE CEILING FOR REUSE DURING NEW CONSTRUCTION.
- PLAN NOTES: #
1. EXISTING PANELS TO REMAIN.
2. REMOVE ALL NORMAL AND EMERGENCY RECEPTACLES, CONDUIT, AND WIRING WHICH ARE CURRENTLY NOT BEING UTILIZED, OTHER THAN ONE EXISTING CONVENIENCE RECEPTACLE.
3. REMOVE EXISTING VAV FAN BOX POWER CONNECTIONS, EXTEND CONDUIT AND WIRING TO NEW VAV BOX LOCATIONS. SEE HVAC DEMO DRAWING H210 AND H220 FOR NEW VAVS AND LOCATIONS. VALIDATE EXISTING AND NEW ELECTRICAL INSTALLATION. VALIDATE EXISTING DISCONNECTING/STARTER MEANS. REUSE AND RELOCATE IF FOUND SUITABLE FOR REUSE. PROVIDE NEW AS NECESSARY. PROVIDE NEW OVERLOAD/OVERLOAD PROTECTION FOR EACH NEW FPV MOTOR SIZED PER THE FPV MOTOR HORSEPOWER.
4. HVAC ITEMS (MOTORS) REMOVED BACK TO POINT OF ORIGIN. FIELD VERIFY EXISTING AND REFER TO HVAC DRAWINGS FOR ITEMS WHICH WILL BE REMOVED. ITEMS TO INCLUDE REMOVING ALL CONDUITS AND WIRING ASSOCIATED WITH MOTORS BEING REMOVED FROM PROJECT TO INCLUDE BUT NOT LIMITED TO DISCONNECTS, STARTERS, VDPS, AND CONTROLLERS SHALL BE REMOVED. WHERE AN MOTOR CONTROL CENTER IS BEING UTILIZED AND ITS FIELD VERIFIED THAT NO LOADS ARE BEING SERVED FROM SUCH MENTIONED ELECTRICAL EQUIPMENT. THE EQUIPMENT SHALL BE REMOVED BACK TO POINT OF ORIGIN. PROVIDE UPDATED MECHANICALLY TYPE SCHEDULE AND UPDATED ONE LINES UPON PROJECT COMPETITION.
5. REMOVE AND REPLACE WITH NEW.



McMAHON

ENGINEERS ARCHITECTS

McMahon provides this drawing as instruments of service. All drawings are the property of McMahon. The client agrees to indemnify and hold McMahon harmless from all claims, damages, costs and expenses, including reasonable attorneys' fees, arising out of or from the use of the drawings by the client or any third party. McMahon does not warrant the accuracy or completeness of the information provided by the client. McMahon reserves the right to make changes to the drawings without notice.

Mailing: P.O. BOX 1028 NEENAH, WI 54957-1028
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mhgrp.com

DESIGNED

CEH

DRAWN

MAL

PROJECT NO.

00002-61600160

DATE

MARCH 3, 2017

SHEET NO.

ED210

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER

S. WALNUT & W. 8TH, APPLETON WI 54911

LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER

REVISION

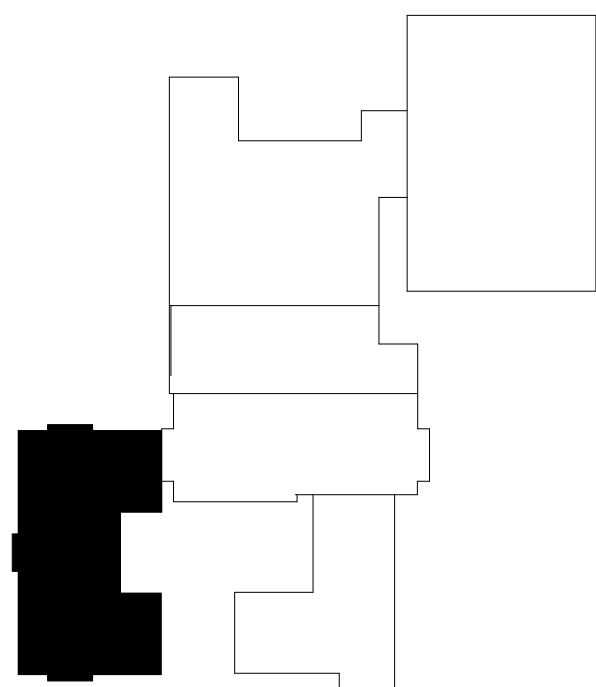
DATE

NO.

2 LEVEL 820.00 ELECTRICAL DEMOLITION PLAN-CAB
Scale: 1/8" = 1'-0"



1 LEVEL 790.00 ELECTRICAL DEMOLITION PLAN-CAB
Scale: 1/8" = 1'-0"



PLAN KEY

GENERAL NOTES:

- A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ELECTRICAL COMPONENTS/EQUIPMENT BEING REMOVED DURING DEMOLITION. COORDINATE WITH OWNER ALL COMPONENTS TO BE SALVAGED.
- C. ELECTRICAL ITEMS IN AREAS IDENTIFIED WITH DASHED WALL LINES SHALL BE REMOVED.
- D. DEVICES THAT ARE EXISTING TO REMAIN, ARE TO BE REFEED AS REQUIRED TO KEEP CIRCUIT COMPLETE. RECESSED OR SURFACE MOUNTED.
- PLAN NOTES: #
1. SAVE/SALVAGE AND REUSE EXISTING FIXTURES (LUMINAIRES) LOCATED IN AREAS THAT WILL BE RENOVATED. SEE EL231 FOR NEW LOCATION.
2. DEMO POWER TO EXISTING FURNITURE FEEDS. UTILIZE EXISTING CIRCUITING TO FEED NEW OFFICE AREA.
3. EXISTING PANELS TO REMAIN.

REVISION

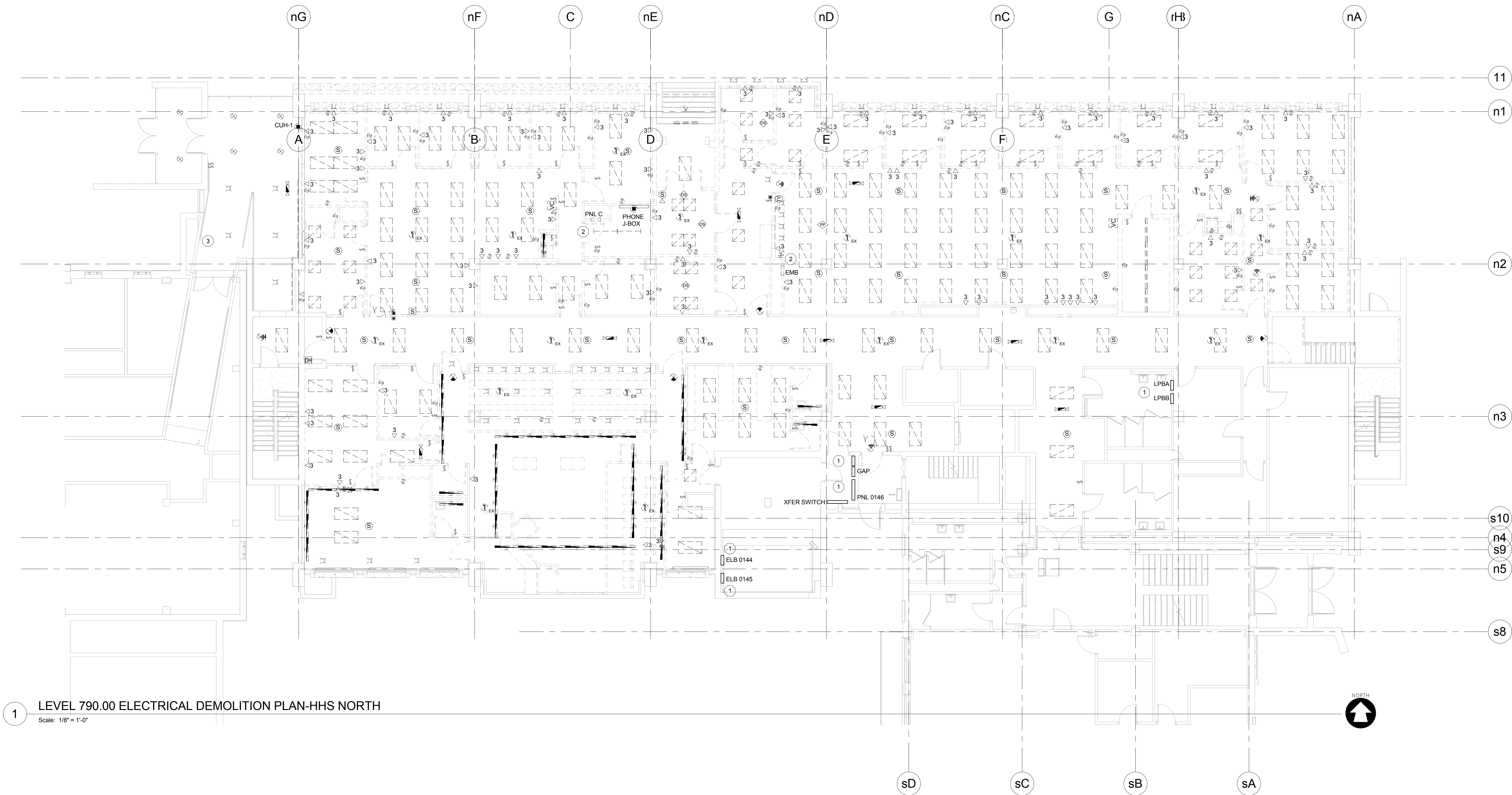
DATE

NO.

ALTERATION / ADDITION

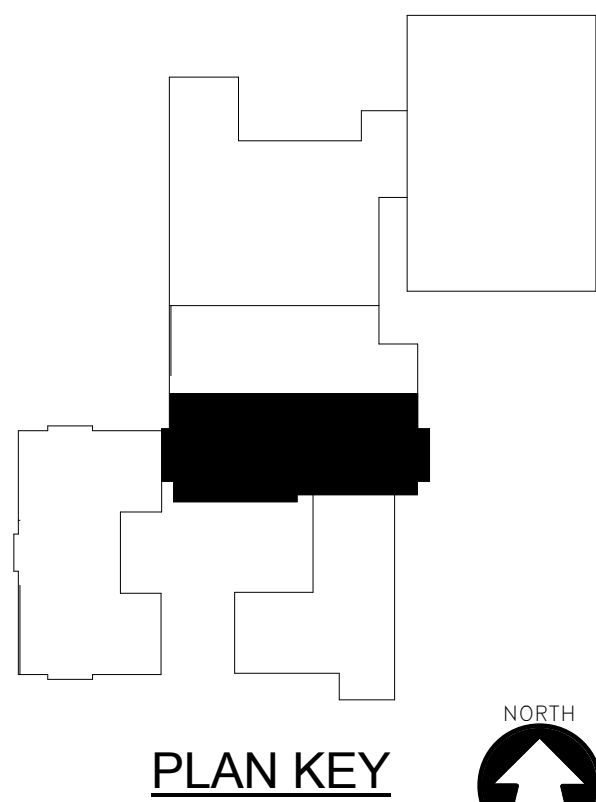
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 / 820.00 ELECTRICAL DEMOLITION PLANS-CAB

DESIGNED	DRAWN
CEH	MAL
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	



1 LEVEL 790.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH
Scale: 1/8" = 1'-0"

- GENERAL NOTES:
- A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ELECTRICAL COMPONENTS/EQUIPMENT BEING REMOVED DURING DEMOLITION. COORDINATE WITH OWNER ALL COMPONENTS TO BE SALVAGED.
- C. ELECTRICAL ITEMS IN AREAS IDENTIFIED WITH DASHED WALL LINES SHALL BE REMOVED.
- D. DEVICES THAT ARE EXISTING TO REMAIN, ARE TO BE REFE AS REQUIRED TO KEEP CIRCUIT COMPLETE, RECESSED OR SURFACE MOUNTED.
- E. REMOVE EXISTING POWER CONNECTIONS, CONDUIT AND WIRING BACK TO POINT OF ORIGIN FOR HVAC ITEMS SCHEDULED TO BE REMOVED. SEE HVAC DEMO DRAWINGS FOR ITEMS BEING DEMOED/REMOVED FROM PROJECT.
- PLAN NOTES: #
1. EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
2. EXISTING TO BE REMOVED BACK TO POINT OF ORIGIN.
3. REMOVE EXISTING, PROVIDE NEW AFTER EXISTING WALL IS REFINISHED.

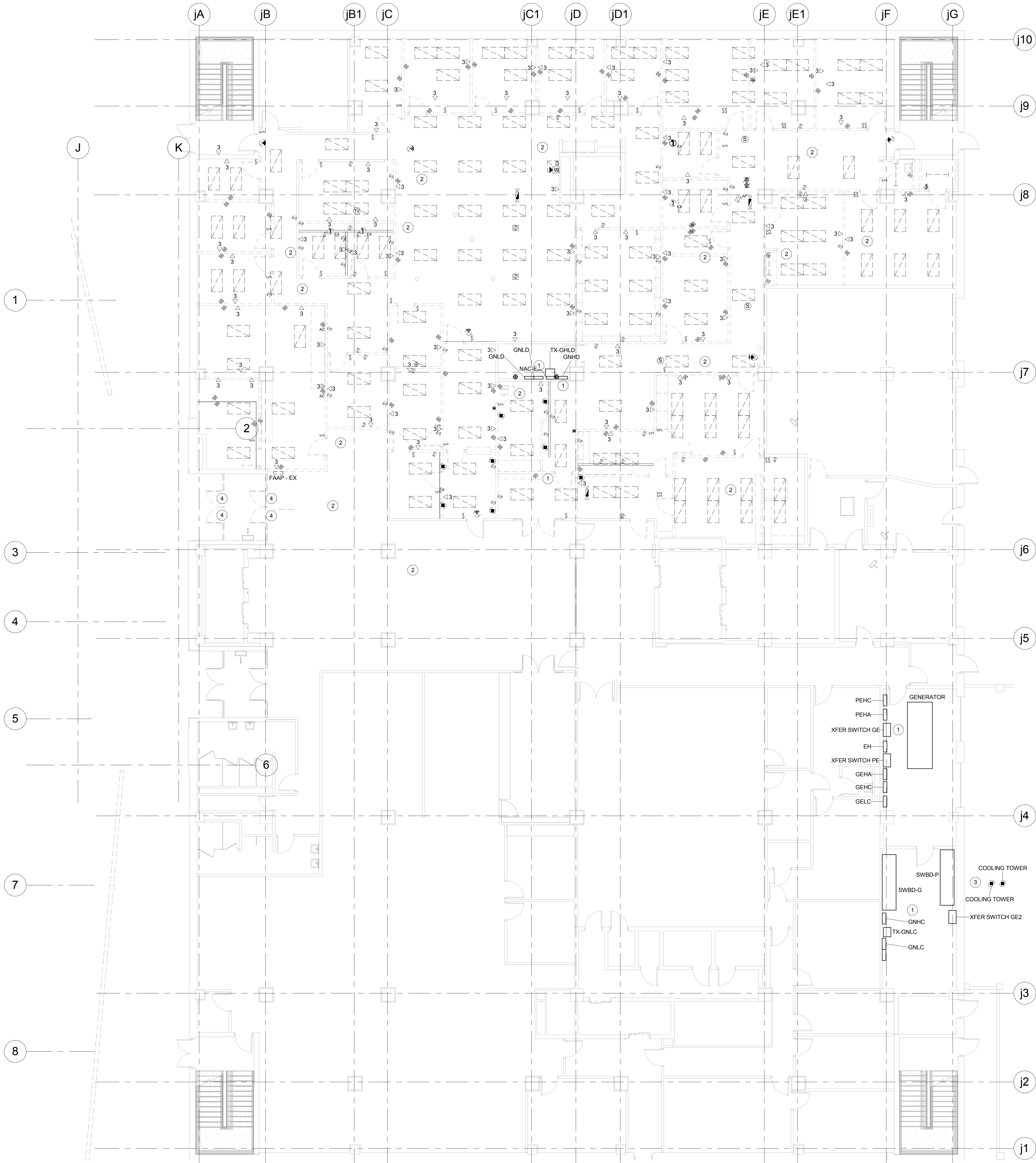


REVISION	
NO.	DATE

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH

DESIGNED	DRAWN
CEH	MAL
PROJECT NO. 00002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

1 LEVEL 790.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER
Scale: 1/8" = 1'-0"



GENERAL NOTES:

- A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ELECTRICAL COMPONENTS/EQUIPMENT BEING REMOVED DURING DEMOLITION. COORDINATE WITH OWNER ALL COMPONENTS TO BE SALVAGED.
- C. ELECTRICAL ITEMS IN AREAS IDENTIFIED WITH DASHED WALL LINES SHALL BE REMOVED BACK TO POINT OF ORIGIN.
- D. DEVICES THAT ARE EXISTING TO REMAIN, ARE TO BE REFEED AS REQUIRED TO KEEP CIRCUIT COMPLETE, RECESSED OR SURFACE MOUNTED.
- E. REMOVE EXISTING POWER CONNECTIONS, CONDUIT AND WIRING BACK TO POINT OF ORIGIN FOR HVAC ITEMS SCHEDULED TO BE REMOVED. SEE HVAC DEMO DRAWINGS FOR ITEMS BEING DEMOED/REMOVED FROM PROJECT.

PLAN NOTES: (R)

1. EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
2. REMOVE EXISTING VAV FAN BOX POWER CONNECTIONS, EXTEND CONDUIT AND WIRING TO NEW VAV BOX LOCATIONS. SEE HVAC DEMO DRAWING H214 AND H225 FOR NEW VAVS AND LOCATIONS. VALIDATE EXISTING AND NEW ELECTRICAL INSTALLATION. VALIDATE EXISTING DISCONNECTING/STARTER MEANS, REUSE AND RELOCATE IF FOUND SUITABLE FOR REUSE. PROVIDE NEW AS NECESSARY. PROVIDE NEW OVERLOAD/OVERLOAD PROTECTION FOR EACH NEW FPV MOTOR SIZED PER THE FPV MOTOR HORSEPOWER.
3. REMOVE COOLING TOWER CONDUIT AND WIRING BACK TO POINT OF ORIGIN. FIELD VERIFY EXISTING ITEMS WHICH WILL BE REMOVED. INCLUDE REMOVAL OF ALL CONDUITS AND WIRING ASSOCIATED WITH COOLING TO INCLUDE BUT NOT LIMITED TO DISCONNECTS, STARTERS, VDFS, AND CONTROLLERS. PROVIDE UPDATED (MECHANICALLY TYPED SCHEDULE AND UPDATED ONE LINES UPON PROJECT COMPETITION). INSTALL LAMICOID LABELS TO INDICATE BREAKERS WHICH FED COOLING TOWERS ARE MARKED AS 'SPARE'.
4. TURN OFF EXISTING OPERATORS PLATE AND ADA PADDLES. SEE A275 AND A290 FOR ADDITIONAL INFORMATION.



PLAN KEY



ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER

DESIGNED	DRAWN
CEH	MAL
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

ED213

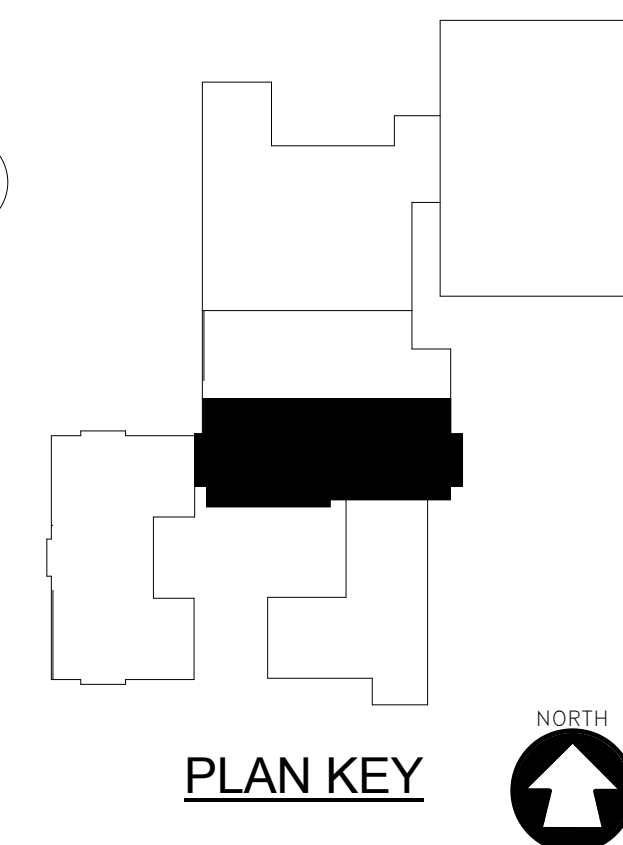
McMAHON
ENGINEERS ARCHITECTS
1000 N. KENNAWAY, SUITE 200
MILWAUKEE, WI 53233
Tel: (414) 754-4200 Fax: (414) 754-4284
www.mahon.com

McMahon provides this drawing as a service to the client. It is not to be used for any other purpose without the written consent of McMahon. The client is responsible for the accuracy and completeness of the information provided to McMahon. McMahon is not responsible for the accuracy and completeness of the information provided to the client. McMahon is not responsible for the accuracy and completeness of the information provided to the client.

REVISION

DATE

NO.

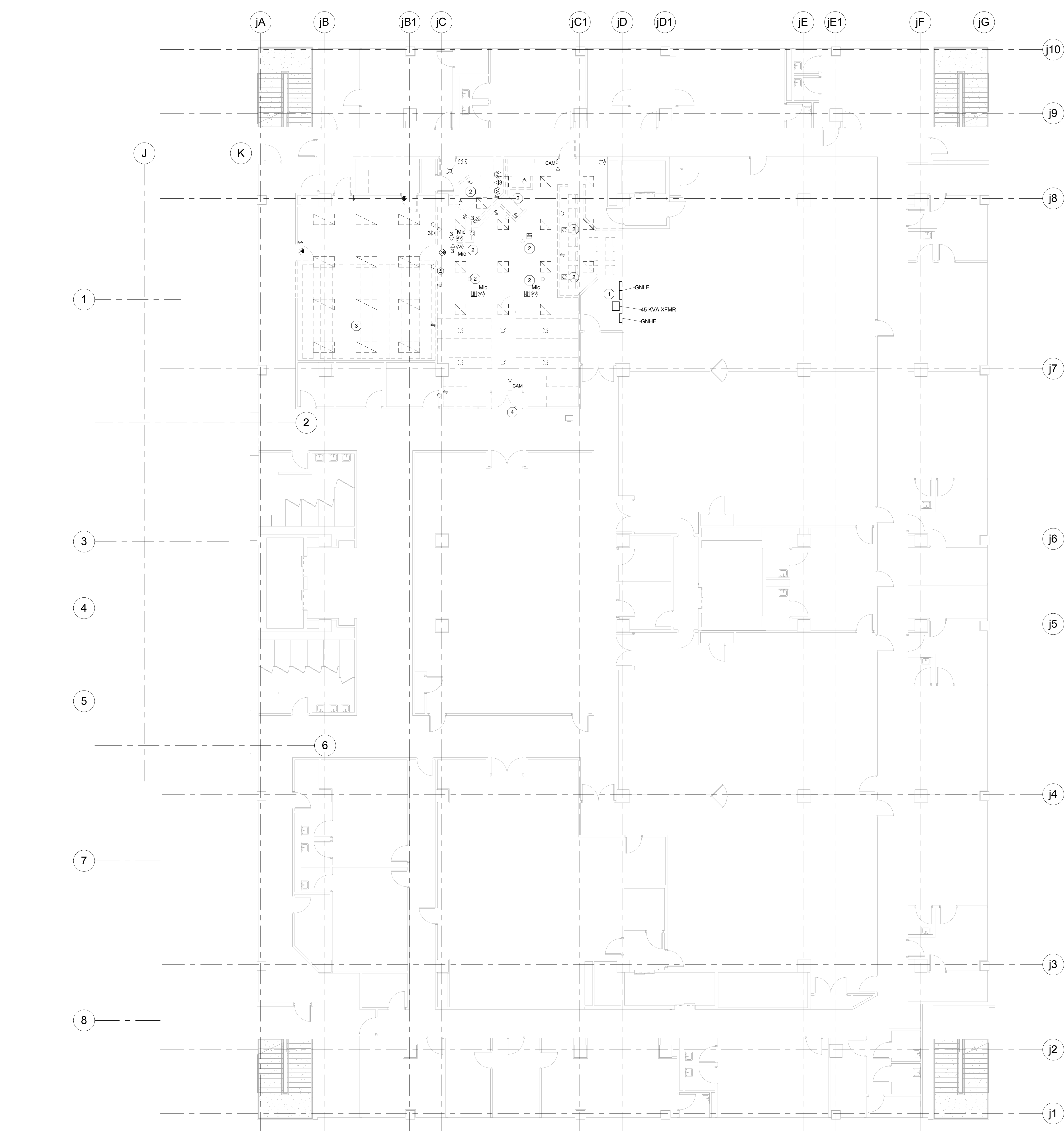


McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

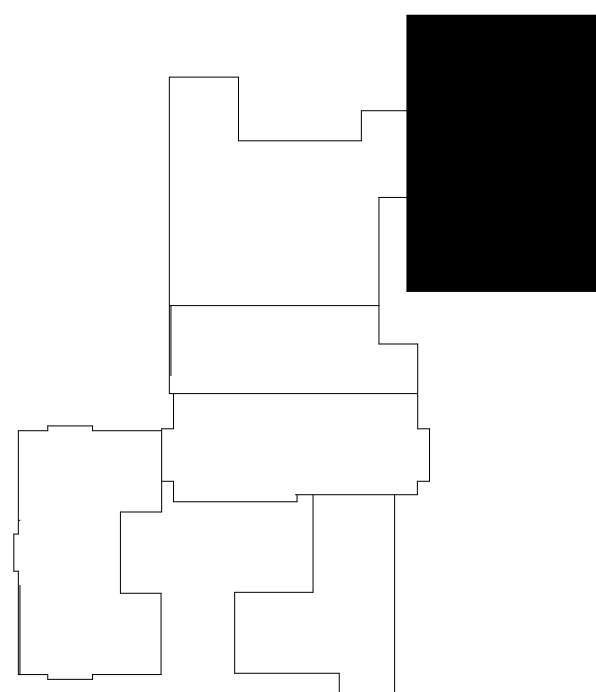
DESIGNED CEH	DRAWN MAL
PROJECT NO. 00002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

ED214



1 LEVEL 805.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER
Scale: 1/8" = 1'-0"

- GENERAL NOTES:
- A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ELECTRICAL COMPONENTS/EQUIPMENT BEING REMOVED DURING DEMOLITION. COORDINATE WITH OWNER ALL COMPONENTS TO BE SALVAGED.
- C. ELECTRICAL ITEMS IN AREAS IDENTIFIED WITH DASHED WALL LINES SHALL BE REMOVED.
- D. DEVICES THAT ARE EXISTING TO REMAIN, ARE TO BE REFEED AS REQUIRED TO KEEP CIRCUIT COMPLETE. RECESSED OR SURFACE MOUNTED.
- E. CAT 3 AND CAT 6 VOICE AND DATA CABLING SHALL BE COILED AT THE CEILING FOR REUSE DURING NEW CONSTRUCTION.
- PLAN NOTES: (#)
1. EXISTING PANELS TO REMAIN.
2. TRACE OUT OLD FLOOR BOXES, REMOVE EXISTING, WITH WITH CONCRETE, PATCH EXISTING OPENINGS.
3. REMOVE EXISTING VAV FAN BOX POWER CONNECTIONS, AND WIRING BACK TO POINT OF ORIGIN FOR HVAC ITEMS SCHEDULED TO BE REMOVED. SEE HVAC DEMO DRAWING H216 FOR ITEM BEING DEMOLISHED/REMOVED FROM PROJECT.
4. REMOVE EXISTING VAV FAN BOX POWER CONNECTIONS, EXTEND CONDUIT AND WIRING TO NEW VAV BOX LOCATIONS. SEE HVAC DEMO DRAWING H216 AND H228 FOR NEW VAV AND LOCATION.



PLAN KEY





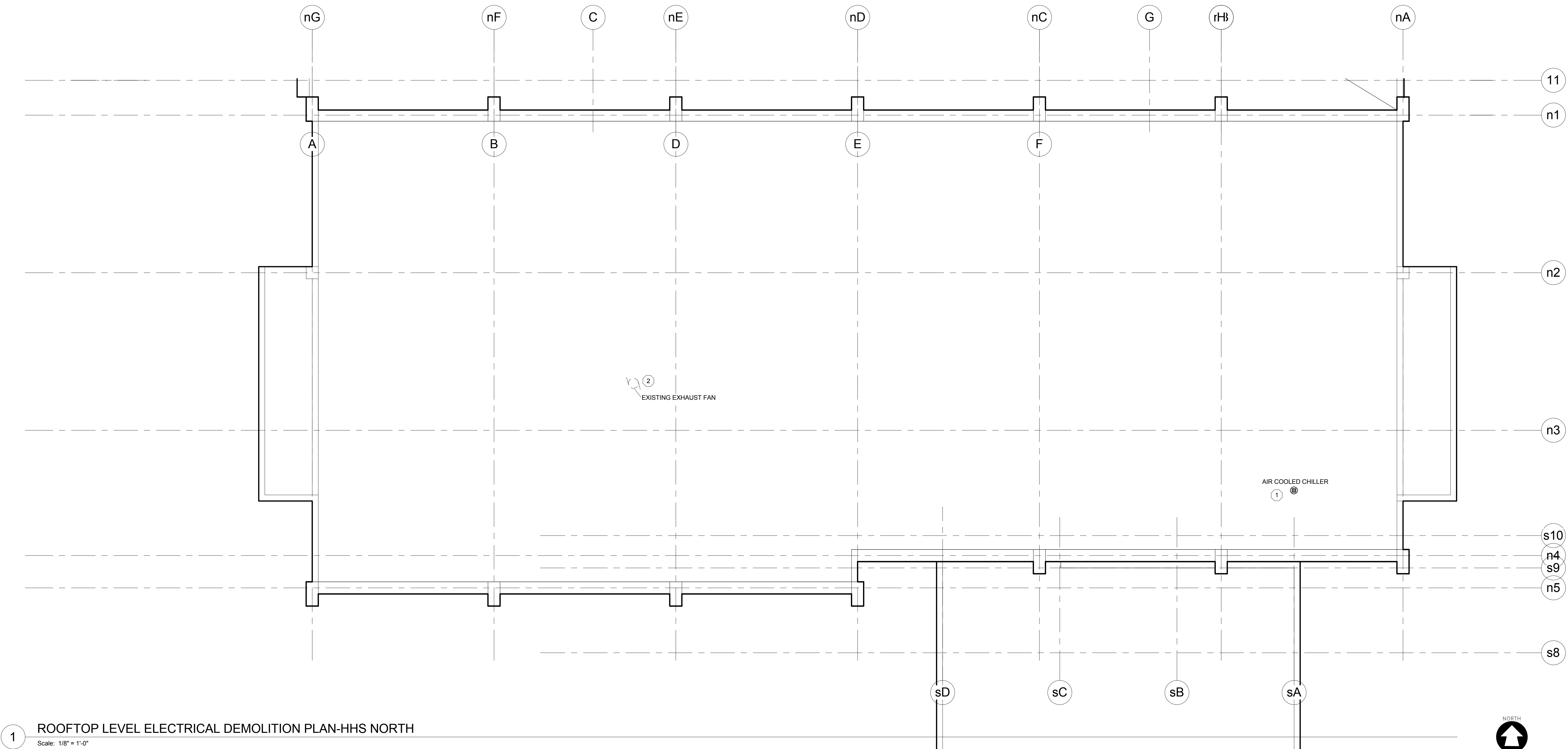
MENTIONED ELECTRICAL EQUIPMENT. THE EQUIPMENT SHALL BE REMOVED
BACK TO POINT OF ORIGIN. PROVIDE UPDATED (MECHANICALLY TYPE
SCHEDULE AND UPDATED ONE LINES UPON PROJECT COMPETITION.

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

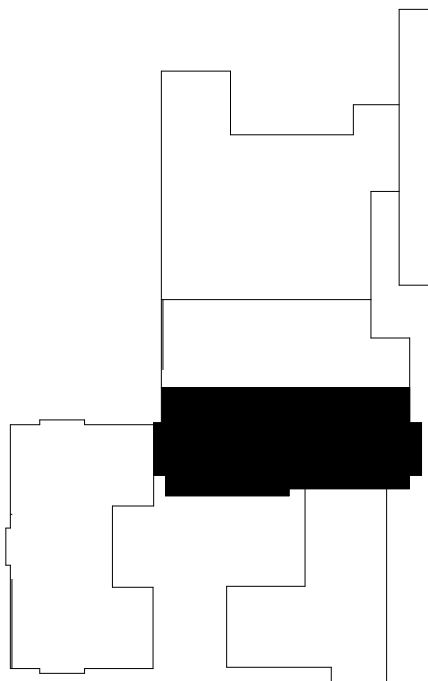
[illegible]

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

ED217



1 ROOFTOP LEVEL ELECTRICAL DEMOLITION PLAN-HHS NORTH
Scale: 1/8" = 1'-0"



PLAN KEY

- PLAN NOTES: #
1. REMOVE ALL CONDUIT AND WIRING BACK TO POINT OF ORIGIN FOR (1) ROOFTOP AIR COOLED CHILLER UNITS. PROVIDE AND INSTALL ROOF PATCHING WHICH WILL ADHERE TO EXISTING ROOF AS REQUIRED TO PREVENT WATER INFILTRATION. SEE HVAC DRAWINGS FOR ADDITIONAL INFORMATION. REMOVE ALL DISCONNECTS, STARTERS, AND VFDs WHICH SERVE UNITS. UPDATE EXISTING PANEL/SWITCHBOARD TO INDICATE BREAKERS AS "SPARE". PROVIDE NEW (MECHANICALLY TYPED) SCHEDULE AND LAMICOID LABELING. PROVIDE A NEW EXTERIOR GROUNDWEATHER RESISTANT RECEPTACLE WHERE EXISTING WAS REMOVED IF SERVING OTHER EQUIPMENT THAT WAS LOCATED WITHIN 25' OF EXISTING.
 2. DISCONNECT EXISTING ROOFTOP EXHAUST FAN. EXTEND EXISTING CONDUIT AND WIRING. PROVIDE NEW AS REQUIRED FOR THE REPLACEMENT OF: SEE EP240 FOR LOCATION OF NEW RE-4 (EXHAUST FAN) AND H003 FOR ADDITIONAL INFORMATION.

McMAHON
ENGINEERS ARCHITECTS
McMahon P.O. BOX 1028 NEENAH, WI 54957-1028
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mhngp.com

McMahon provides this drawing as instruments of service. All work shall conform to the requirements of the applicable codes and standards. McMahon is not responsible for the accuracy of the information provided by the client. McMahon reserves the right to modify this drawing without notice. Changes made to the original drawing shall be indicated by a revision number.

REVISION

DATE

NO.

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911

ROOFTOP LEVEL ELECTRICAL DEMOLITION PLAN-HHS NORTH

DESIGNED	DRAWN
RJW	MAL
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

ED218



3. PROVIDE LAMACOID LABEL INDICATING BREAKER AS "SPARE" FOR FEEDS WHICH FED HVAC EQUIPMENT WHICH WAS REMOVED. UPDATE EXISTING PANEL DIRECTORIES (MECHANICALLY TYPED) *HAND WRITTE NOT ALLOWED* TO INDICATE CURRENT PANEL/SWITCHGEAR CIRCUITING CONDITIONS.

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior

[illegible]

ALTERATION / ADDITION

DESIGNED R.JW	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

ED219

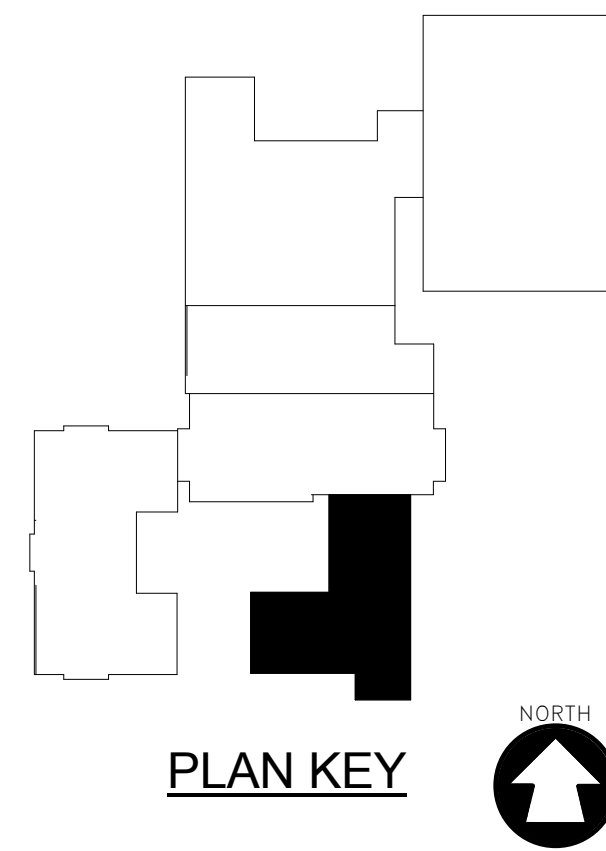


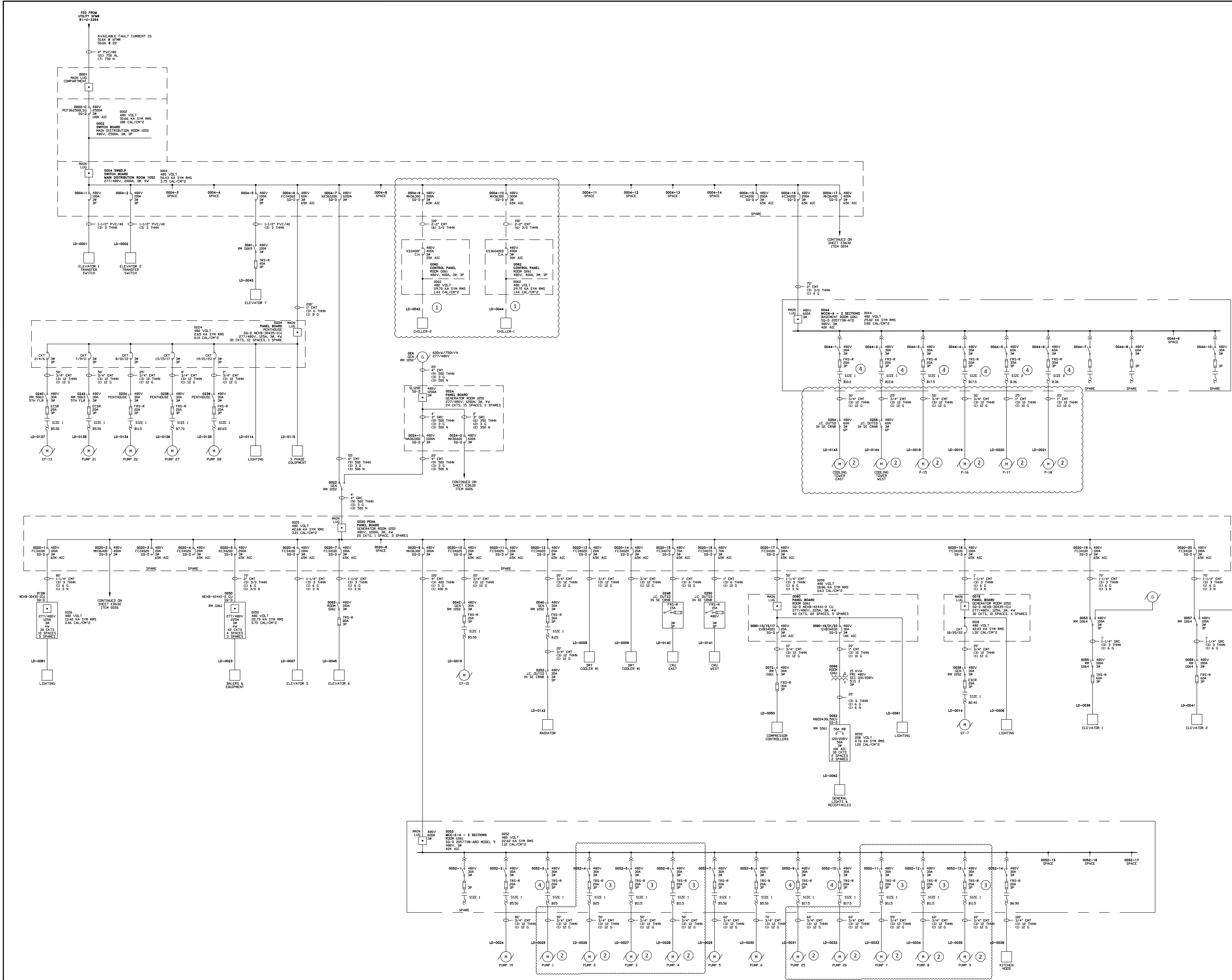
McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any use of or changes made to the original drawing or data without prior written consent by McMahon.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
ROOFTOP LEVEL ELECTRICAL DEMOLITION PLAN-HHS SOUTH

DESIGNED RJW	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

ED220





- GENERAL NOTES:
- A. UNLESS OTHERWISE NOTED EXISTING TO REMAIN.
 - B. ITEMS REMOVED SHALL BE TURNED OVER TO OWNER UNLESS SPECIFIED OWNER DOESN'T WANT ITEMS REMOVED DURING DEMOLITION.
 - C. WHEN INDICATED REMOVE EXISTING, REMOVE CONDUIT AND WIRING BACK TO POINT OF ORIGIN, PROVIDE NEMA 4 OR 12 METALLIC GASKETED HOLE PLUGS (HOFFMAN HOL-SEALERS) OR APPROVED EQUAL FOR EACH HOLE OPENING. PROVIDE NEW LAMICOID LABELS AT EACH EXISTING MCC, PANEL OR SWITCHBOARD. PROVIDE AND INSTALL AN UPDATED PANEL SCHEDULE (MECHANICALLY TYPED) IN EACH MCC/ SWITCHGEAR OR PANEL WHICH SERVED ELECTRICAL ITEMS BEING REMOVED FROM PROJECT.
- PLAN NOTES: (8)
- 1. CHILLERS 1 & 2 - REMOVE CONDUIT, FEEDERS, CIRCUIT BREAKERS WHICH FEED EXISTING CHILLER CONTROL PANELS AND CHILLERS (CONTROL PANELS LOCATED ON LEVEL 780.00) - REFERENCE HVAC DOCUMENTATION FOR LOCATION AND FURTHER INFORMATION ON ELECTRICAL ITEMS WHICH WILL BE REMOVED WITH EACH EXISTING CHILLER. PROVIDE BREAKER BLANKS AND HOLE PLUGS TO CLOSE UNUSED OPENINGS. REMOVE LAMICOID TAG INDICATING CHILLER 1 & CHILLER 2.
 - 2. REMOVE MOTORS AND STARTERS AS INDICATED, FIELD VERIFY AND COORDINATE WITH HVAC DRAWINGS TO ENSURE MOTORS INDICATED ARE BEING REMOVED AS NOTED. REMOVE CONDUIT, WIRING, DISCONNECTS, AND VFDs TO INCLUDE 120VAC CONTROL CONDUIT, AND WIRING BACK TO BACK TO POINT OF ORIGIN.
 - 3. SEE E6631 NOTE #2 FOR ADDITIONAL REQUIREMENTS FOR EXISTING MCC.
 - 4. REFER TO NOTE C. EXISTING BUCKETS AND FUSES TO REMAIN FOR OWNERS FUTURE UTILIZATION.

McMAHON

ENGINEERS ARCHITECTS

1000 W. WALNUT ST. SUITE 1000
APPLETON, WI 54911
TEL: (920) 751-4000 FAX: (920) 751-4004
WWW.MCMAPRO.COM

ALTERNATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
POWER DISTRIBUTION DEMOLITION ONE LINE DIAGRAM-SHEET ONE OF THREE

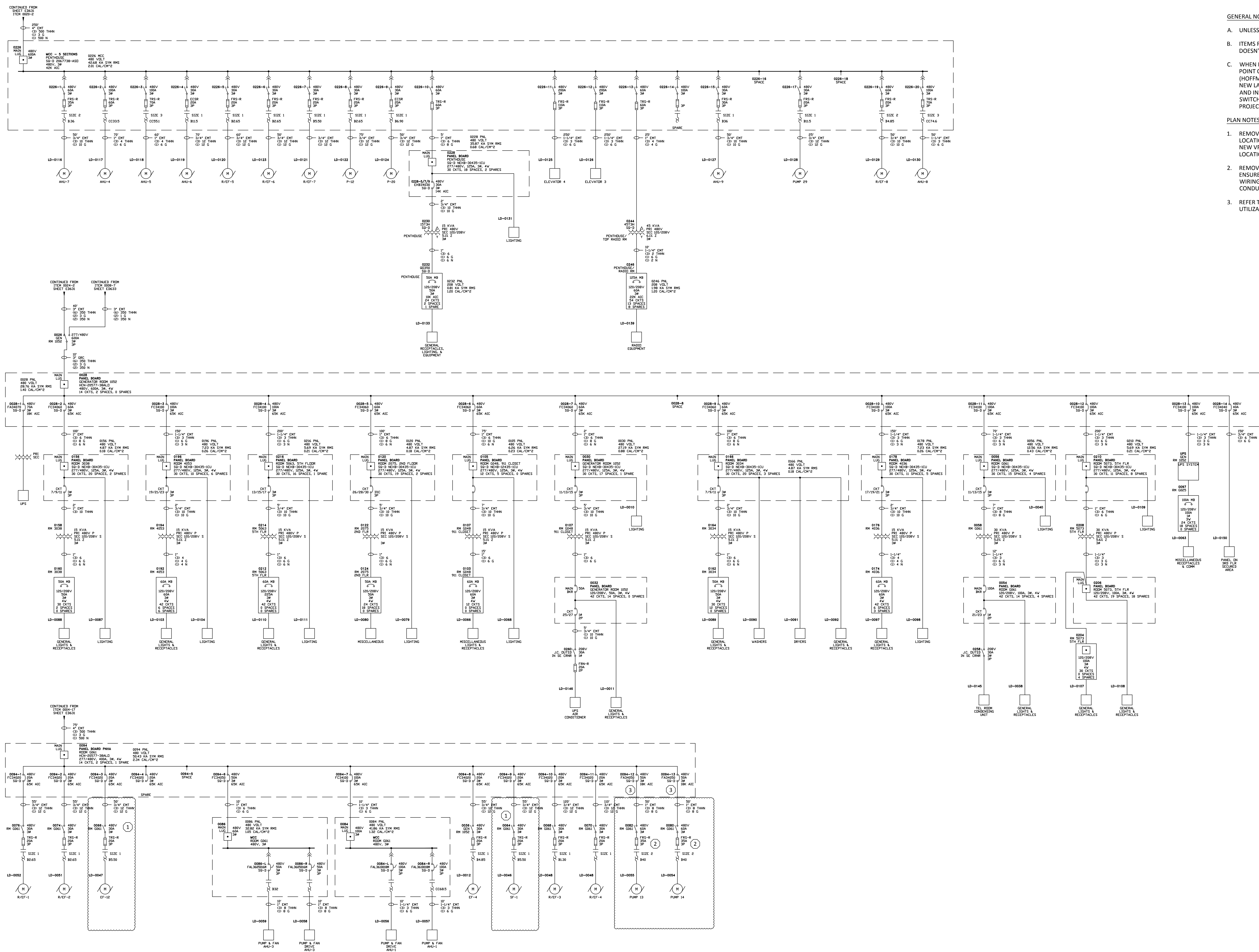
DESIGNED
CEH

DRAWN
MAL

PROJECT NO.
00002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ED631



GENERAL NOTES

- A. UNLESS OTHERWISE NOTED EXISTING TO REMAIN.
- B. ITEMS REMOVED SHALL BE TURNED OVER TO OWNER UNLESS SPECIFIED OWNER DOESN'T WANT ITEMS REMOVED DURING DEMOLITION.
- C. WHEN INDICATED REMOVE EXISTING, REMOVE CONDUIT AND WIRING BACK TO POINT OF ORIGIN, PROVIDE NEMA 4 OR 12 METALLIC GASKETED HOLE PLUGS (HOFFMAN HOLE-SEALERS) OR APPROVED EQUIV FOR EACH HOLE OPENING. PROVIDE IDENTIFIED LABELS AT EACH EXISTING MCC, PANEL OR SWITCHBOARD. PROVIDE AND INSTALL AN UPDATED PANEL SCHEDULE (MECHANICALLY TYPED) IN EACH MCC/ SWITCHGEAR OR PANEL WHICH SERVED ELECTRICAL ITEMS BEING REMOVED FROM PROJECT.

PLAN NOTES:

1. REMOVE EXISTING CONDUIT AND WIRING FROM EXISTING STARTER TO MOTOR LOCATION. REMOVE EXISTING STARTER. EXTEND EXISTING CONDUIT AND WIRING TO NEW VFD AND EXHAUST MOTOR SEE EE631, AND EP230 FOR NEW MOTOR AND LOCATIONS.
2. REMOVE AS INDICATED, FIELD VERIFY, COORDINATE WITH HVAC DRAWINGS TO ENSURE MOTORS INDICATED ARE BEING REMOVED AS NOTED. REMOVE CONDUIT, WIRING, DISCONNECTS, STARTERS AND VFDs TO INCLUDE 120VAC CONTROL CONDUIT, AND WIRING BACK TO BACK TO POINT OF ORIGIN.
3. REFER TO NOTE C. EXISTING BREAKERS TO REMAIN FOR OWNERS FUTURE UTILIZATION.

McMAHON
ENGINEERS ARCHITECTS

1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

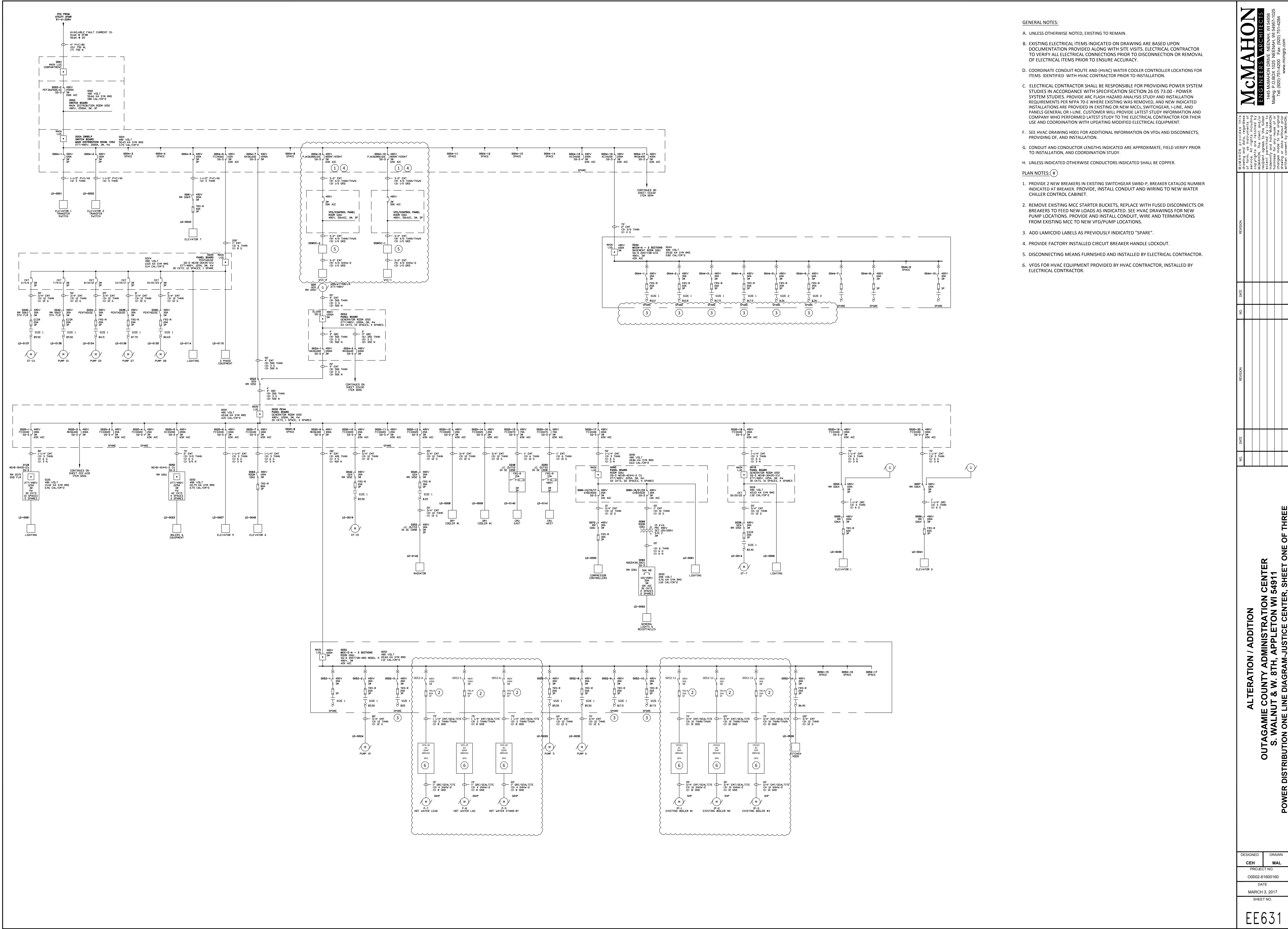
NO.	DATE	REASON
		McMAHON provides this information in the form of instruments of title, including but not limited to, mortgages, deeds, and other instruments, and the copyrights are owned by McMAHON. The client and/or licensee agrees that the extent permitted by law to the extent that the licensee or its agent, or any other person, knowingly or negligently causes any changes made to the original instrument to be reflected in the written consent by McMAHON.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
POWER DISTRIBUTION DEMOLITION ONE LINE DIAGRAM-JUSTICE CENTER, SHEET TWO OF THREE

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

ED632





- GENERAL NOTES:
- A. UNLESS OTHERWISE NOTED, EXISTING TO REMAIN.
 - B. EXISTING ELECTRICAL ITEMS INDICATED ON DRAWING ARE BASED UPON DOCUMENTATION PROVIDED ALONG WITH SITE VISITS. ELECTRICAL CONTRACTOR TO VERIFY ALL ELECTRICAL CONNECTIONS PRIOR TO DISCONNECTION OR REMOVAL OF ELECTRICAL ITEMS PRIOR TO ENSURE ACCURACY.
 - C. COORDINATE CONDUIT ROUTE AND (HVAC) WATER COOLER CONTROLLER LOCATIONS FOR ITEMS IDENTIFIED WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.
 - D. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POWER SYSTEM STUDIES IN ACCORDANCE WITH SPECIFICATION SECTION 26 05 73.00 - POWER SYSTEM STUDIES. PROVIDE ARC FLASH HAZARD ANALYSIS STUDY AND INSTALLATION REQUIREMENTS PER NFPA 70-E WHERE EXISTING WAS REMOVED, AND NEW INDICATED INSTALLATIONS ARE PROVIDED IN EXISTING OR NEW MCCS, SWITCHGEAR, I-LINE, AND PANELS GENERAL OR I-LINE. CUSTOMER WILL PROVIDE LATEST STUDY INFORMATION AND COMPANY WHO PERFORMED LATEST STUDY TO THE ELECTRICAL CONTRACTOR FOR THEIR USE AND COORDINATION WITH UPDATING MODIFIED ELECTRICAL EQUIPMENT.
 - F. SEE HVAC DRAWING H001 FOR ADDITIONAL INFORMATION ON VFDs AND DISCONNECTS, PROVIDING OF, AND INSTALLATION.
 - G. CONDUIT AND CONDUCTOR LENGTHS INDICATED ARE APPROXIMATE, FIELD VERIFY PRIOR TO INSTALLATION, AND COORDINATION STUDY.
 - H. UNLESS INDICATED OTHERWISE CONDUCTORS INDICATED SHALL BE COPPER.
- PLAN NOTES: (R)
- 1. PROVIDE 2 NEW BREAKERS IN EXISTING SWITCHGEAR SWBP-D. BREAKER CATALOG NUMBER INDICATED AT BREAKER. PROVIDE, INSTALL CONDUIT AND WIRING TO NEW WATER CHILLER CONTROL CABINET.
 - 2. REMOVE EXISTING MCC STARTER BUCKETS, REPLACE WITH FUSED DISCONNECTS OR BREAKERS TO FEED NEW LOADS AS INDICATED. SEE HVAC DRAWINGS FOR NEW PUMP LOCATIONS. PROVIDE AND INSTALL CONDUIT, WIRE AND TERMINATIONS FROM EXISTING MCC TO NEW VFD/PUMP LOCATIONS.
 - 3. ADD LAMICOID LABELS AS PREVIOUSLY INDICATED "SPARE".
 - 4. PROVIDE FACTORY INSTALLED CIRCUIT BREAKER HANDLE LOCKOUT.
 - 5. DISCONNECTING MEANS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - 6. VFDs FOR HVAC EQUIPMENT PROVIDED BY HVAC CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.

McMAHON

ENGINEERS ARCHITECTS

McMAHON ENGINEERS ARCHITECTS

1000 W. WALNUT ST., SUITE 200
APPLETON, WI 54911
TEL: (920) 751-4000 FAX: (920) 751-4004
WWW.MCMGRP.COM

DESIGNED

CEH

DRAWN

MAL

PROJECT NO.

00002-61600160

DATE

MARCH 3, 2017

SHEET NO.

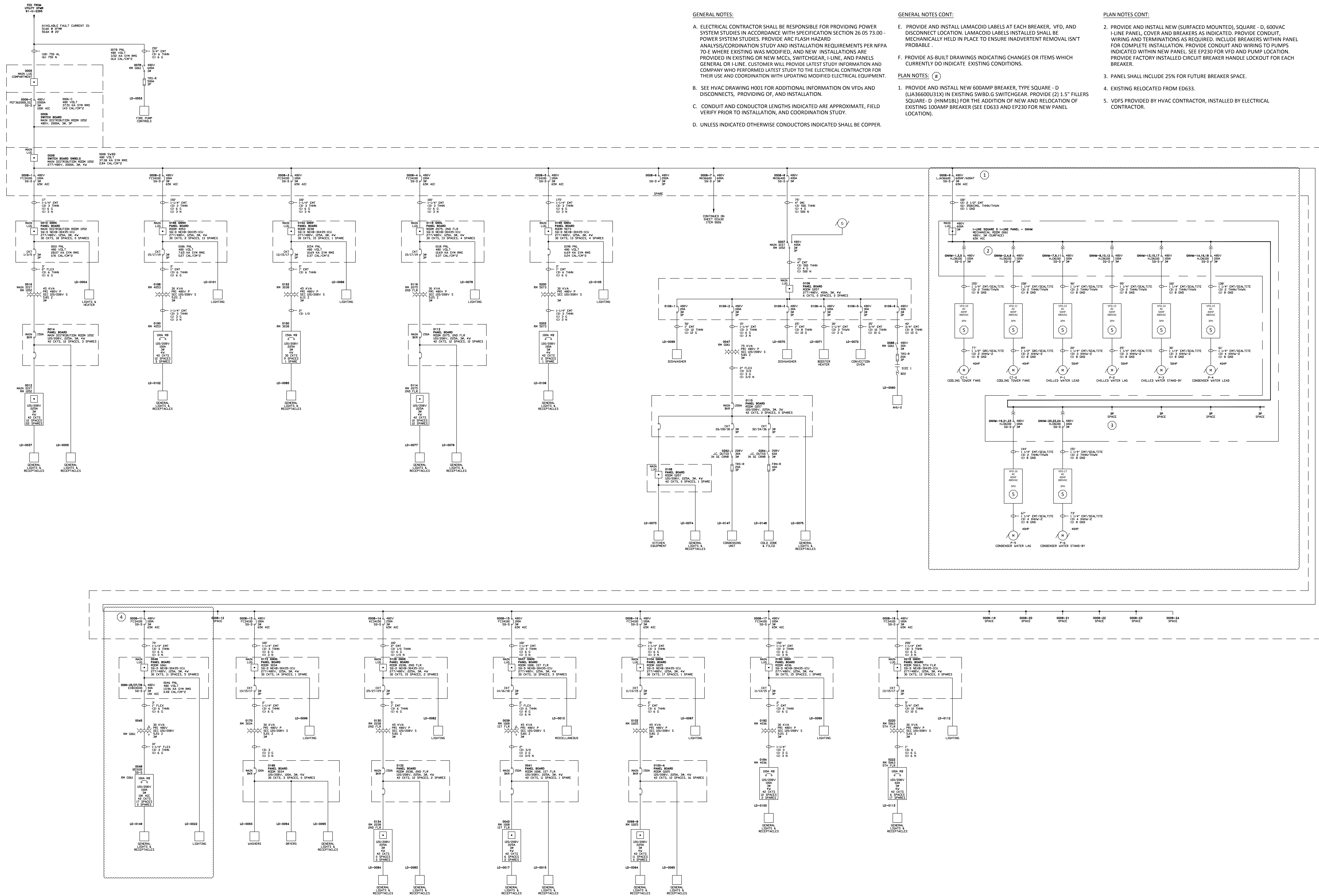
EE631

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER

S. WALNUT & W. 8TH, APPLETON WI 54911

POWER DISTRIBUTION ONE LINE DIAGRAM-JUSTICE CENTER, SHEET ONE OF THREE



GENERAL NOTES:

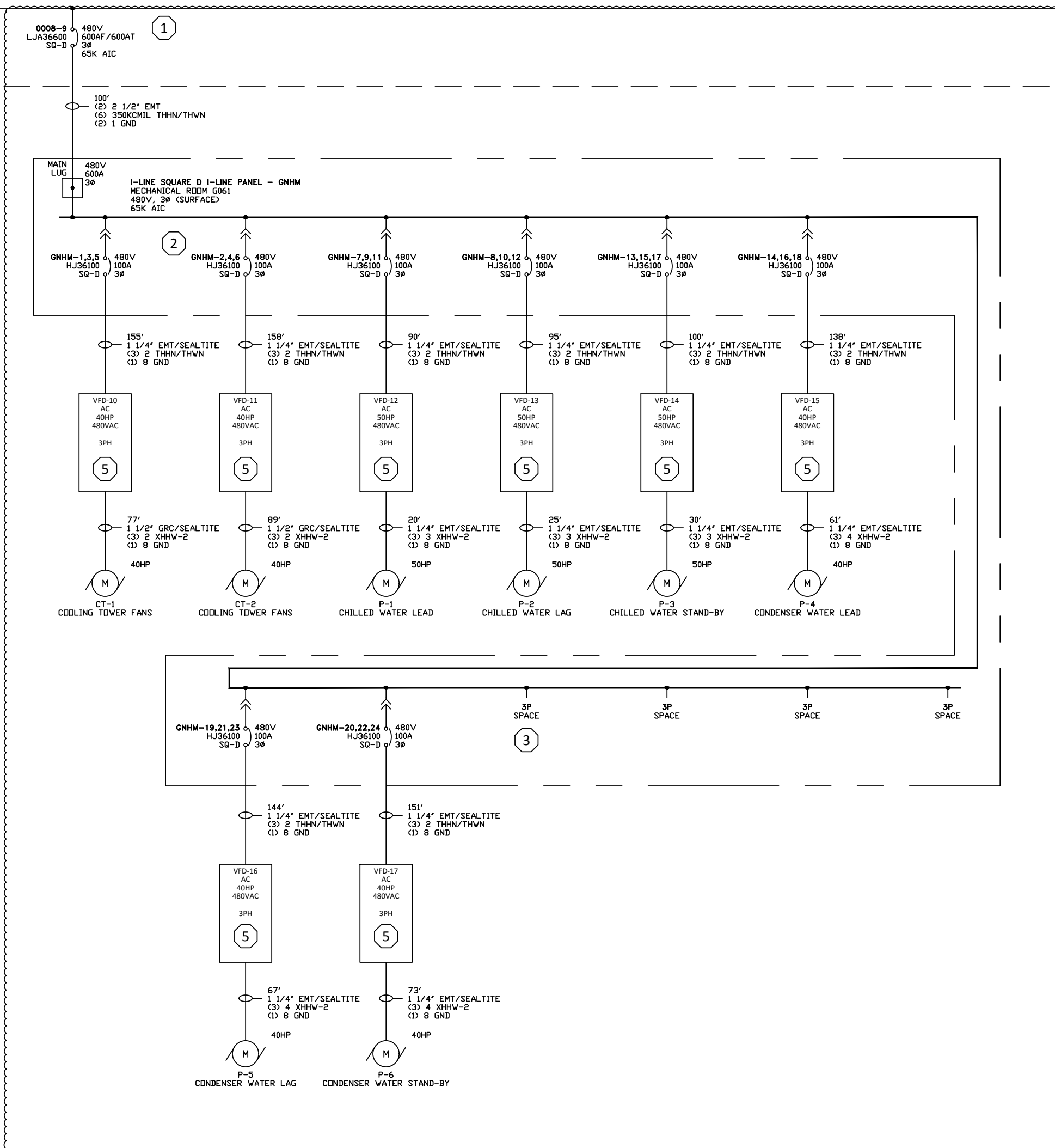
- A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POWER SYSTEM STUDIES IN ACCORDANCE WITH SPECIFICATION SECTION 26 05 73.00 - POWER SYSTEM STUDIES. PROVIDE ARC FLASH HAZARD ANALYSIS/COORDINATION STUDY AND INSTALLATION REQUIREMENTS PER NFPA 70-E WHERE EXISTING WAS MODIFIED, AND NEW INSTALLATIONS ARE PROVIDED IN EXISTING OR NEW MCCS, SWITCHGEAR, I-LINE, AND PANELS GENERAL OR I-LINE. CUSTOMER WILL PROVIDE LATEST STUDY INFORMATION AND COMPANY WHO PERFORMED LATEST STUDY TO THE ELECTRICAL CONTRACTOR FOR THEIR USE AND COORDINATION WITH UPDATING MODIFIED ELECTRICAL EQUIPMENT.
- B. SEE HVAC DRAWING H001 FOR ADDITIONAL INFORMATION ON VFDs AND DISCONNECTS, PROVIDING OF, AND INSTALLATION.
- C. CONDUIT AND CONDUCTOR LENGTHS INDICATED ARE APPROXIMATE, FIELD VERIFY PRIOR TO INSTALLATION, AND COORDINATION STUDY.
- D. UNLESS INDICATED OTHERWISE CONDUCTORS INDICATED SHALL BE COPPER.

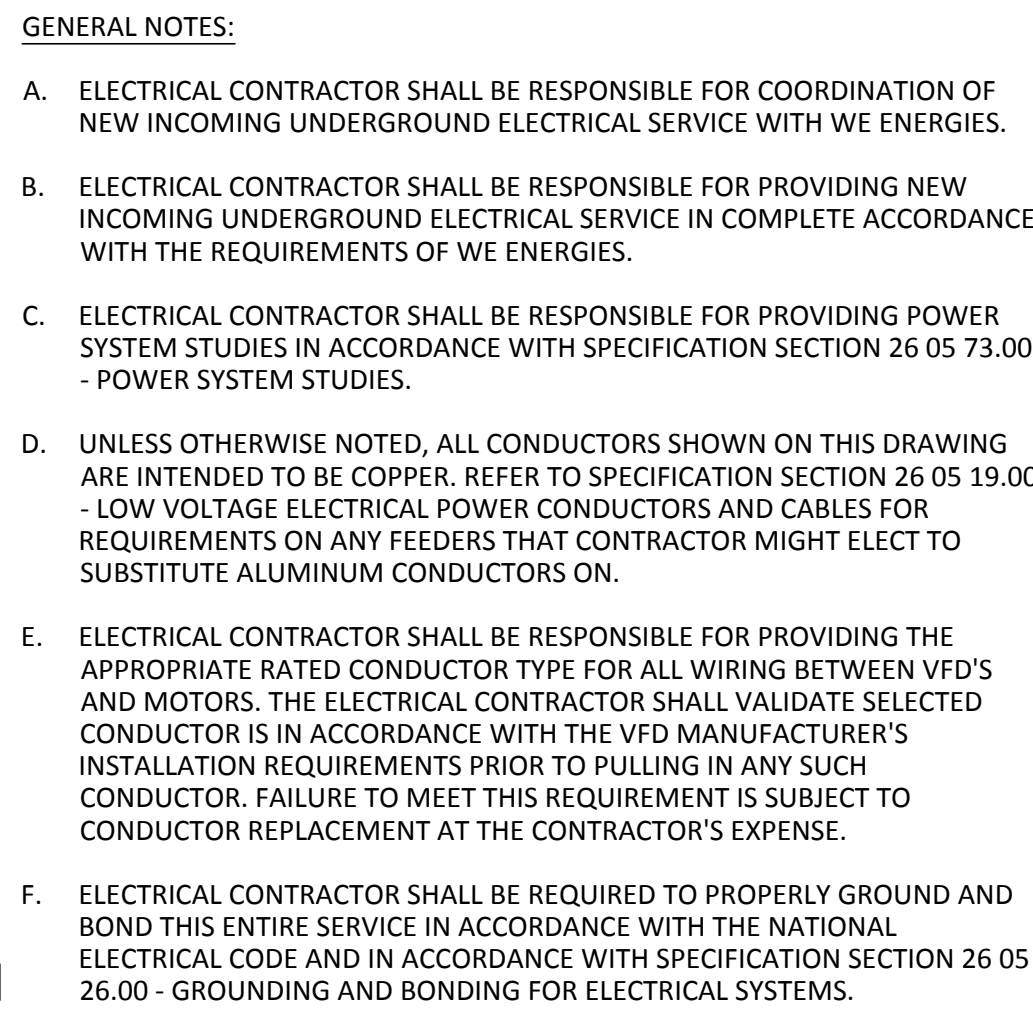
GENERAL NOTES CONT:

- E. PROVIDE AND INSTALL LAMACOID LABELS AT EACH BREAKER, VFD, AND DISCONNECT LOCATION. LAMACOID LABELS INSTALLED SHALL BE MECHANICALLY HELD IN PLACE TO ENSURE INADVERTENT REMOVAL ISN'T PROBABLE.
- F. PROVIDE AS-BUILT DRAWINGS INDICATING CHANGES OR ITEMS WHICH CURRENTLY DO INDICATE EXISTING CONDITIONS.
- PLAN NOTES: (H)
- 1. PROVIDE AND INSTALL NEW 600AMP BREAKER, TYPE SQUARE - D (LJA36600U31X) IN EXISTING SWBD.G SWITCHGEAR. PROVIDE (2) 1.5" FILLERS SQUARE - D (HNM18L) FOR THE ADDITION OF NEW AND RELOCATION OF EXISTING 100AMP BREAKER (SEE ED633 AND EP230 FOR NEW PANEL LOCATION).

PLAN NOTES CONT:

- 2. PROVIDE AND INSTALL NEW (SURFACED MOUNTED), SQUARE - D, 600VAC I-LINE PANEL, COVER AND BREAKERS AS INDICATED. PROVIDE CONDUIT, WIRING AND TERMINATIONS AS REQUIRED. INCLUDE BREAKERS WITHIN PANEL FOR COMPLETE INSTALLATION. PROVIDE CONDUIT AND WIRING TO PUMPS INDICATED WITHIN NEW PANEL. SEE EP230 FOR VFD AND PUMP LOCATION. PROVIDE FACTORY INSTALLED CIRCUIT BREAKER HANDLE LOCKOUT FOR EACH BREAKER.
- 3. PANEL SHALL INCLUDE 25% FOR FUTURE BREAKER SPACE.
- 4. EXISTING RELOCATED FROM ED633.
- 5. VDFS PROVIDED BY HVAC CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.





1. BASIC BID SCOPE OF WORK IS CURRENTLY REFLECTED ON THIS DRAWING. ELECTRICAL CONTRACTOR SHALL REFER TO SECTION 01 23 00.00 - ALTERNATES, UNDER ALTERNATE BID E1 FOR ANY AND ALL DEVIATIONS TO THIS SCOPE ITEM.
2. BASIC BID SCOPE OF WORK IS CURRENTLY REFLECTED ON THIS DRAWING. ELECTRICAL CONTRACTOR SHALL REFER TO SECTION 01 23 00.00 - ALTERNATES, UNDER ALTERNATE BID E2 FOR ANY AND ALL DEVIATIONS TO THIS SCOPE ITEM.
3. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NEW OUTDOOR DIESEL GENERATOR, COMPLETE WITH WEATHER-PROOF SOUND SHIELD, GASET ENCLOSURE, CRITICAL GRADE SILENCER AND 24-HOUR CAPACITY SUB FUEL TANK. CONCRETE PAD FOR GENERATOR TO BE PROVIDED BY GENERAL CONTRACTOR. REFER TO SPECIFICATION SECTION 26 32 13.00 - ENGINE GENERATORS FOR ADDITIONAL REQUIREMENTS.
4. CIRCUIT BREAKERS EM1A & 5B1A FURNISHED AND INSTALLED BY GENERATOR MANUFACTURER, IN ACCORDANCE WITH NEC ARTICLE 700.9.
5. VFDs FOR HVAC EQUIPMENT PROVIDED BY HVAC CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
6. PROVIDE FACTORY INSTALLED CIRCUIT BREAKER HANDLE LOCKOUT.
7. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL CONDUITS PER WE ENERGIES REQUIREMENTS, CONDUCTORS PROVIDED AND INSTALLED BY UTILITY.

McMAHON provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMAHON. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless for any reuse or changes made to the original drawing or data without prior written consent by McMAHON.

[illegible]

DESIGNED JMM	DRAWN ZMD
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

EE641

Branch Panel: GNHM

Location:

Supply From: SWBD-P

Mounting: SURFACE

Enclosure:

Volts: 480

Phases: 3

Wires: 3

A.I.C. Rating:

Mains Type: MLO

Bus Rating: 600 A

MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
3	VFD-10 TO CT-1 MECH RM G061	100 A	3	14410... 14410...	14410... 14410...	14410... 14410...	3	100 A	VFD-11 TO CT-2 MECH RM G061	2		
5				18013... 18013...	18013... 18013...	18013... 18013...	3	100 A	VFD-12 TO P-1 MECH RM G061	4		
7				18013... 14410...	18013... 14410...	18013... 14410...	3	100 A	VFD-13 TO P-2 MECH RM G061	6		
9	VFD-12 TO P-1 MECH RM G061	100 A	3	14410... 14410...	14410... 14410...	14410... 14410...	3	100 A	VFD-14 TO P-3 MECH RM G061	8		
11				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A	VFD-15 TO P-4 MECH RM G061	10		
13	VFD-14 TO P-3 MECH RM G061	100 A	3	14410... 14410...	14410... 14410...	14410... 14410...	3	100 A	VFD-16 TO P-5 MECH RM G061	12		
15				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A	VFD-17 TO P-6 MECH RM G061	14		
17	VFD-16 TO P-5 MECH RM G061	100 A	3	14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		16		
19				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		18		
21				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		20		
23				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		22		
25				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		24		
27				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		26		
29				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		28		
31				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		30		
33				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		32		
35				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		34		
37				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		36		
39				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		38		
41				14410... 14410...	14410... 14410...	14410... 14410...	3	100 A		40		
				Total Load:	126.09 kVA	126.09 kVA	126.09 kVA					42
				Total Amps:	455 A	455 A	455 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	378269 VA	100.00%	378269 VA	Total Conn. Load: 378.27 kVA
				Total Est. Demand: 378.27 kVA
				Total Conn.: 455 A
				Total Est. Demand: 455 A

Notes:

Switchboard: 010MSB1A

Location: MECHANICAL 10.1.145

Supply From: DIST

Mounting:

Enclosure:

Volts: 480/277 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 65K AIC

Mains Type: MCB

Mains Rating: 3000 A

MCB Rating: 3000 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load(kVA)	Remarks
1						
2	010ATS-EM1A	3	225 A	125 A	21.55	
3	010ATS-SB1A	3	400 A	250 A	129.94	
4	010DPH3A	3	800 A	400 A	189.35	
5	010DPH2A	3	800 A	400 A	154.65	
6	010PH1A	3	400 A	250 A	34.84	
7	010TX-PL1A	3	225 A	175 A	96.66	
8	AHU-10-1-1 HVAC MECHANICAL 10.1.145	3	150 A	40 A	17.46	
9	AHU-10-1-2 HVAC MECHANICAL 10.1.145	3	150 A	40 A	17.46	
10	RF-10-1 HVAC MECHANICAL 10.1.145	3	150 A	20 A	9.14	
11	010TX-PL1B	3	225 A	110 A	79.54	
12	003DPH3A (EXISTING)	3	800 A	600 A	0	
13	003TX-DPL3A	3	800 A	600 A	0	
14						
Total Conn. Load:					750.68 kVA	
Total Amps:					903 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING	85908 VA	125.00%	107385 VA	
Motor	46536 VA	112.50%	52353 VA	Total Conn. Load: 750.68 kVA
Other	0 VA	0.00%	0 VA	Total Est. Demand: 647.65 kVA
RECEPTACLE	281700 VA	51.77%	145860 VA	Total Conn.: 903 A
CONTINUOUS	22100 VA	125.00%	27625 VA	Total Est. Demand: 779 A
KITCHEN EQUIPMENT	200 VA	100.00%	200 VA	
NONCONTINUOUS	134092 VA	100.00%	134092 VA	
HVAC	180146 VA	100.00%	180146 VA	

Notes:

Branch Panel: 010DPH3A											
Location:				Volts: 480/277 Wye				A.I.C. Rating: 65K AIC			
Supply From: 010MSB1A				Phases: 3				Mains Type: MLO			
Mounting: SURFACE				Wires: 4				Bus Rating: 400 A			
Enclosure:											
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1				12105...	16884...					2	
3	010PH3A	100 A	3		7028 VA	16980...				4	
5						7514 VA				6	
7				5820 VA	5820 VA					8	
9	HVAC AHU 10-3-1	40 A	3		5820 VA	5820 VA				10	
11						5820 VA				12	
13				3047 VA						14	
15	HVAC RF10-3	20 A	3		3047 VA					16	
17						3047 VA				18	
19				21884...						20	
21	010TX-PL3B	110 A	3		27316...					22	
23						21020...				24	
25										26	
27										28	
29										30	
31										32	
33										34	
35										36	
37										38	
39										40	
41										42	
Total Load:				65.56 kVA	66.01 kVA	57.78 kVA					
Total Amps:				241 A	243 A	209 A					
Legend:											
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
LIGHTING		26677 VA		125.00%		33347 VA					
Other		0 VA		0.00%		0 VA		Total Conn. Load: 189.38 kVA			
RECEPTACLE		88200 VA		55.67%		49100 VA		Total Est. Demand: 157.90 kVA			
CONTINUOUS		3820 VA		125.00%		4775 VA		Total Conn.: 228 A			
KITCHEN EQUIPMENT		0 VA		0.00%		0 VA		Total Est. Demand: 190 A			
NONCONTINUOUS		23668 VA		100.00%		23668 VA					
HVAC		47014 VA		100.00%		47014 VA					
Notes:											

Branch Panel: 010DPH2A											
Location: MECHANICAL 10.2.084				Volts: 480/277 Wye				A.I.C. Rating: 65K AIC			
Supply From: 010MSB1A				Phases: 3				Mains Type: MLO			
Mounting: SURFACE				Wires: 4				Bus Rating: 400 A			
Enclosure:											
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1				10239...	15724...					2	
3	010PH2A	100 A	3		5647 VA	15340...		3	110 A	010TX-PL2A	4
5						7042 VA	16580...				6
7				5820 VA	5820 VA						8
9	HVAC MECHANICAL 10.2.084 AHU-10-2-1	40 A	3		5820 VA	5820 VA		3	40 A	HVAC MECHANICAL 10.2.084 AHU-10-2-2	10
11						5820 VA	5820 VA				12
13				3047 VA							14
15	HVAC MECHANICAL 10.2.084 RF-10-2	20 A	3		3047 VA		3047 VA				16
17											18
19				13640...							20
21	010TX-PL2B	110 A	3		13120...						22
23						13264...					24
25											26
27											28
29											30
Total Load:				54.29 kVA	48.79 kVA	51.57 kVA					
Total Amps:				198 A	176 A	188 A					
Legend:											
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
LIGHTING		22859 VA		125.00%		28659 VA					
Other		0 VA		0.00%		0 VA		Total Conn. Load: 154.68 kVA			
RECEPTACLE		50220 VA		59.96%		30110 VA		Total Est. Demand: 140.61 kVA			
CONTINUOUS		1200 VA		125.00%		1500 VA		Total Conn.: 186 A			
NONCONTINUOUS		34848 VA		100.00%		34848 VA		Total Est. Demand: 169 A			
HVAC		45458 VA		100.00%		45458 VA					
Notes:											

Branch Panel: 010PH1A												
Location: MECHANICAL 10.1.145					Volts: 480/277 Wye				A.I.C. Rating: 65K AIC			
Supply From: 010MSB1A					Phases: 3				Mains Type: MLO			
Mounting: SURFACE					Wires: 4				Bus Rating: 250 A			
Enclosure:												
Notes:												
CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	LIGHTING STORAGE 10.1.105		20 A	1	402 VA	105 VA			1	20 A	LIGHTING OFFICE 10.1.103	2
3	LIGHTING OFFICE 10.1.101		20 A	1		105 VA	105 VA		1	20 A	LIGHTING INTERVIEW ROOM 10.1.082	4
5	LIGHTING INTERVIEW ROOM 10.1.082		20 A	1			105 VA	210 VA	1	20 A	LIGHTING ONLINE APPLICATIONS ROOM...	6
7	LIGHTING INTERVIEW ROOM 10.1.083		20 A	1	105 VA	734 VA			1	20 A	LIGHTING ROOM 10.1.087, 10.1.089, 10.1.091,...	8
9	LIGHTING ROOM 10.1.010, 10.1.011, 10.1.012,...		20 A	1		3642 VA	4169 VA		1	20 A	LIGHTING ROOM 10.1.063, 10.1.064, 10.1.065,...	10
11	LIGHTING ROOM 10.1.039, 10.1.040, 10.1.041,...		20 A	1			3298 VA	1258 VA	1	20 A	LIGHTING ROOM 10.1.112, 10.1.113, 10.1.114,...	12
13	LIGHTING		20 A	1	0 VA	0 VA			1	20 A	OTHER	14
15	LIGHTING OFFICE 10.1.132		20 A	1		105 VA	105 VA		1	20 A	LIGHTING OFFICE 10.1.134	16
17	LIGHTING OFFICE 10.1.136		20 A	1			105 VA	105 VA	1	20 A	LIGHTING OFFICE 10.1.138	18
19	LIGHTING OFFICE 10.1.137		20 A	1	105 VA	70 VA			1	20 A	LIGHTING STORAGE 10.1.135	20
21	LIGHTING OFFICE 10.1.133		20 A	1		105 VA	105 VA		1	20 A	LIGHTING OFFICE 10.1.131	22
23	LIGHTING OPEN OFFICE 10.1.139		20 A	1			1205 VA	0 VA	1	20 A	SPARE	24
25	LIGHTING INTERVIEW ROOM 10.1.080		20 A	1	629 VA	0 VA			1	20 A	SPARE	26
27	LIGHTING STORAGE 10.1.166		20 A	1		70 VA	105 VA		1	20 A	LIGHTING INTERVIEW ROOM 10.1.164	28
29	LIGHTING ROOM 04.1.022, 04.1.023, 04.1.024,...		20 A	1			2729 VA	211 VA	1	20 A	LIGHTING CONFERENCE ROOM 10.1.160	30
31	LIGHTING		20 A	1	210 VA	210 VA			1	20 A	LIGHTING	32
33	LIGHTING ROOM 10.1.143, 10.1.144, 10.1.141		20 A	1		2061 VA	1766 VA		1	20 A	LIGHTING	34
35	LIGHTING		20 A	1			1351 VA	456 VA	1	20 A	LIGHTING	36
37	LIGHTING ROOM 03.1.209, 03.1.190, 10.1.086,...		20 A	1	2728 VA	448 VA			1	20 A	LIGHTING	38
39	LIGHTING ROOM 04.1.020, 04.1.018, 04.1.016,...		20 A	1		2100 VA	838 VA		1	20 A	LIGHTING ROOM 04.1.042, 04.1.043, 04.1.003,...	40
41	LIGHTING ROOM 04.1.036, 04.1.025, 04.1.007		20 A	1			746 VA	1956 VA	1	20 A	LIGHTING ROOM 10.1.060, 10.1.075, 10.1.038,...	42
43												44
45												46
47												48
49												50
51												52
53												54
Total Load:					5.74 kVA	15.38 kVA	13.73 kVA					
Total Amps:					21 A	60 A	54 A					
Legend: G=GFI, A=AFCI, B=BREAKER LOCK												
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals				
LIGHTING		34868 VA		125.00%		43585 VA		Total Conn. Load: 34.87 kVA				
Other		0 VA		0.00%		0 VA		Total Est. Demand: 43.59 kVA				
								Total Conn.: 42 A				
								Total Est. Demand: 52 A				
Notes:												

Branch Panel: 010PH2A																
Location: MECHANICAL 10.2.084							Volts: 480/277 Wye				A.I.C. Rating: 65K AIC					
Supply From: 010DPH2A							Phases: 3				Mains Type: MLO					
Mounting: SURFACE							Wires: 4				Bus Rating: 125 A					
Enclosure:																
Notes:																
CKT	Circuit Description						Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LIGHTING ROOM 10.2.008, 10.2.009, 10.2.014, 10.2.01...						20 A	1	3606 VA	3972 VA			1	20 A	LIGHTING ROOM 10.2.023, 10.2.026, 10.2.011, 10.2.02...	2
3	LIGHTING ROOM 03.2.115, 03.2.117, 03.2.118, 03.2.11...						20 A	1		3341 VA	2307 VA		1	20 A	LIGHTING ROOM 03.2.107, 03.2.136, 03.2.105, 03.2.10...	4
5	LIGHTING ROOM 03.2.112, 03.2.110, 10.2.059, 10.2.06...						20 A	1			2762 VA	4283 VA	1	20 A	LIGHTING ROOM 10.2.035, 10.2.050, 10.2.049, 10.2.05...	6
7	LIGHTING ROOM 10.2.046, 10.2.045, 10.2.031, 10.2.07...						20 A	1	2662 VA							8
9																10
11																12
13																14
15																16
17																18
19																20
21																22
23																24
25																26
27																28
29																30
Total Load:									10.24 kVA	5.65 kVA	7.05 kVA					
Total Amps:									38 A	20 A	26 A					
Legend:																
Load Classification							Connected Load		Demand Factor		Estimated Demand		Panel Totals			
LIGHTING							22959 VA		125.00%		28699 VA		Total Conn. Load: 22.96 kVA			
Other							0 VA		0.00%		0 VA		Total Est. Demand: 28.70 kVA			
													Total Conn.: 28 A			
													Total Est. Demand: 35 A			
Notes:																

Branch Panel: 010PL1AL																
Location: MECHANICAL 10.1.145							Volts: 120/208 Wye				A.I.C. Rating: 10K AIC					
Supply From: 010TX-PL1A							Phases: 3				Mains Type: MCB					
Mounting: SURFACE							Wires: 4				Bus Rating: 400 A					
Enclosure:											MCB Rating: 400 A					
Notes:																
CKT	Circuit Description				Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT	
1	RECEPTACLE OFFICE 03.1.147				20 A	1		1620 VA	1440 VA			1	20 A	RECEPTACLE BREAK ROOM 03.1.186	2	
3	RECEPTACLE OFFICE 03.1.184				20 A	1			1440 VA	1080 VA		1	20 A	RECEPTACLE CORRIDOR 03.1.185	4	
5	RECEPTACLE OFFICE 03.1.151				20 A	1				1440 VA	1000 VA	1	20 A	G BREAK ROOM 03.1.186	6	
7	BREAK ROOM 03.1.186				20 A	1	1000 VA	1100 VA				1	20 A	G BREAK ROOM 03.1.186	8	
9	MICRO BREAK ROOM 03.1.186				20 A	1			1100 VA	360 VA		1	20 A	RECEPTACLE BREAK ROOM 03.1.186	10	
11	RECEPTACLE CORRIDOR 03.1.206				20 A	1				900 VA	900 VA	1	20 A	RECEPTACLE CORRIDOR 03.1.179	12	
13	CORRIDOR 03.1.168				20 A	1	800 VA	1440 VA				1	20 A	RECEPTACLE OFFICE 03.1.182	14	
15	RECEPTACLE OFFICE 03.1.180				20 A	1			1440 VA	1620 VA		1	20 A	RECEPTACLE OFFICE 03.1.178	16	
17	RECEPTACLE OFFICE 03.1.157				20 A	1				1620 VA	1440 VA	1	20 A	RECEPTACLE OFFICE 03.1.176	18	
19	RECEPTACLE OFFICE 03.1.161				20 A	1	1440 VA	1620 VA				1	20 A	RECEPTACLE OFFICE 03.1.165	20	
21	RECEPTACLE OFFICE 03.1.174				20 A	1			1440 VA	1080 VA		1	20 A	CONFERENCE ROOM 03.1.170	22	
23	RECEPTACLE OFFICE 03.1.169				20 A	1				1080 VA	900 VA	1	20 A	RECEPTACLE INTERVIEW ROOM 10.1.164	24	
25	RECEPTACLE CONFERENCE ROOM 10.1.160				20 A	1	1260 VA	1500 VA				1	20 A	CORRIDOR 03.1.145	26	
27	RECEPTACLE				20 A	1			1080 VA	900 VA		1	20 A	RECEPTACLE	28	
29	OPEN OFFICE 10.1.139				20 A	1					750 VA	1200 VA	1	20 A	OPEN OFFICE 10.1.139	30
31	WORK ROOM 10.1.141				20 A	1	480 VA	540 VA				1	20 A	RECEPTACLE WORK ROOM 10.1.141	32	
33	RECEPTACLE WORK ROOM 10.1.141				20 A	1			180 VA	720 VA		1	20 A	RECEPTACLE	34	
35	RECEPTACLE				20 A	1				1440 VA	1260 VA	1	20 A	AHU MECHANICAL 03.2.155	36	
37	FF-27 OPEN OFFICE 04.1.008				20 A	1	1440 VA	1080 VA				1	20 A	RECEPTACLE OFFICE 10.1.137	38	
39	FRIG STORAGE 10.1.135				20 A	1			600 VA	1440 VA		1	20 A	RECEPTACLE OFFICE 10.1.133	40	
41	HVAC MECHANICAL 10.1.145				20 A	1					280 VA	1500 VA	1	20 A	GEN SET BLOCK HEATER	42
43	BATTERY CHARGER GEN SET				20 A	1	1100 VA	0 VA				1	20 A	SPARE	44	
45	SPARE				20 A	1			0 VA	0 VA		1	20 A	SPARE	46	
47	SPARE				20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE				20 A	1	0 VA	0 VA				1	20 A	SPARE	50	
51	SPARE				20 A	1			0 VA	0 VA		1	20 A	SPARE	52	
53	SPARE				20 A	1					0 VA	0 VA	1	20 A	SPARE	54
Total Load:								35.16 kVA	29.63 kVA	31.87 kVA						
Total Amps:								296 A	247 A	268 A						
Legend:																
G=GFI, A=AFCI, B=BREAKER LOCK																
Load Classification					Connected Load			Demand Factor			Estimated Demand			Panel Totals		
RECEPTACLE					74160 VA			56.74%			42080 VA			Total Conn. Load: 96.66 kVA		
CONTINUOUS					0 VA			0.00%			0 VA			Total Est. Demand: 64.58 kVA		
NONCONTINUOUS					22404 VA			100.00%			22404 VA			Total Conn.: 268 A		
HVAC					100 VA			100.00%			100 VA			Total Est. Demand: 179 A		
Notes:																
PROVIDE FEED THRU LUGS TO FEED PANEL 010PL1AR.																

Branch Panel: 010PL1BL														
Location: ELECTRICAL 10.1.025						Volts: 120/208 Wye				A.I.C. Rating: 10K AIC				
Supply From: 010TX-PL1B						Phases: 3				Mains Type: MCB				
Mounting: SURFACE						Wires: 4				Bus Rating: 225 A				
Enclosure:											MCB Rating: 225 A			
Notes:														
CKT		Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type		Circuit Description	CKT
1	SPARE		20 A	1	0 VA	720 VA			1	20 A			RECEPTACLE NON-SECURE VESTIBULE 10.1.001	2
3	SPARE		20 A	1			0 VA	360 VA		1	20 A		RECEPTACLE SCREENING 10.1.003	4
5	SPARE		20 A	1				0 VA	720 VA	1	20 A		PA-30 SCREENING 10.1.003	6
7	PA-29 SCREENING 10.1.003		20 A	1	720 VA	1776 VA			1	20 A			RECEPTACLE EXCHANGE ROOM 10.1.004	8
9	CONFERENCE ROOM 10.1.008		20 A	1			180 VA	1100 VA		1	20 A		DTS TOILET ROOM 10.1.009, OFFICE 10.1.010	10
11	RECEPTACLE 10.1.007		20 A	1					900 VA	1440 VA	1	20 A	RECEPTACLE OFFICE 10.1.011	12
13	RECEPTACLE OFFICE 10.1.013		20 A	1	720 VA	1080 VA				1	20 A		RECEPTACLE OFFICE 10.1.014	14
15	RECEPTACLE OFFICE 10.1.015		20 A	1			1620 VA	720 VA		1	20 A		FF-3 OPEN OFFICE 10.1.022	16
17	COPY OPEN OFFICE 10.1.022		20 A	1				1500 VA	960 VA	1	20 A		FF-1 OPEN OFFICE 10.1.022	18
19	FF-1 OPEN OFFICE 10.1.022		20 A	1	1080 VA	1080 VA				1	20 A		FF-2 OPEN OFFICE 10.1.022	20
21	FRIG KITCHENETTE 10.1.023		20 A	1			1000 VA	180 VA		1	20 A		RECEPTACLE KITCHENETTE 10.1.023	22
23	MICRO KITCHENETTE 10.1.023		20 A	1				1100 VA	1620 VA	1	20 A		RECEPTACLE OFFICE 10.1.021	24
25	RECEPTACLE OFFICE 10.1.019		20 A	1	1620 VA	900 VA				1	20 A		RECEPTACLE OFFICE 10.1.017	26
27	CH-5, CH-6 HVAC STAIR 10.1.52		20 A	1			200 VA	720 VA		1	20 A		PA-10 WOMENS 10.1.027	28
29	PA-29 MENS 10.1.026		20 A	1					720 VA	400 VA	1	20 A	CH-1, CH-2 HVAC WOMENS 10.1.027	30
31	RECEPTACLE WOMENS 10.1.027		20 A	1	360 VA	504 VA				1	20 A	G	EW-2 CORRIDOR 10.1.006	32
33	CE-4 HVAC ELECTRICAL 10.1.025		20 A	1			400 VA	720 VA		1	20 A		RECEPTACLE OFFICE 10.1.058	34
35	RECEPTACLE CORRIDOR 10.1.006		20 A	1					900 VA	1620 VA	1	20 A	RECEPTACLE OFFICE 10.1.063	36
37	RECEPTACLE OFFICE 10.1.065		20 A	1	1440 VA	1620 VA					1	20 A	RECEPTACLE OFFICE 10.1.067	38
39	RECEPTACLE OFFICE 10.1.069		20 A	1			1440 VA	1200 VA		1	20 A		COPY CORRIDOR 10.1.060	40
41	RECEPTACLE ROOFTOP NEAR RE-2		20 A	1					180 VA	0 VA	1	20 A	SPARE	42
43	RE-2 HVAC ROOFTOP		20 A	1	696 VA	0 VA					1	20 A	SPARE	44
45	SPARE		20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE		20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE		20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE		20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE		20 A	1					0 VA	0 VA	1	20 A	SPARE	54
Total Load:						28.42 kVA	24.68 kVA	26.44 kVA						
Total Amps:						239 A	206 A	223 A						
Legend:														
G=GF, A=AFCI, B=BREAKER LOCK														
Load Classification			Connected Load			Demand Factor			Estimated Demand			Panel Totals		
RECEPTACLE			50580 VA			59.89%			30290 VA			Total Conn. Load: 79.54 kVA		
NONCONTINUOUS			26564 VA			100.00%			26564 VA			Total Est. Demand: 59.25 kVA		
HVAC			2392 VA			100.00%			2392 VA			Total Conn.: 221 A		
												Total Est. Demand: 164 A		
Notes:														
PROVIDE FEED THRU LUGS TO FEED PANEL 010PL1BR.														

Branch Panel: 010PL2A															
Location: MECHANICAL 10.2.084					Volts: 120/208 Wye					A.I.C. Rating: 10K AIC					
Supply From: 010TX-PL2A					Phases: 3					Mains Type: MCB					
Mounting: SURFACE					Wires: 4					Bus Rating: 225 A					
Enclosure:										MCB Rating: 225 A					
Notes:															
CKT	Circuit Description		Trip	Poles	A		B		C		Poles	Trip	Circuit Description		CKT
1	NONCONTINUOUS CORRIDOR 10.2.031		20 A	1	504 VA	1000 VA						1	20 A	RECEPTACLE CONFERENCE ROOM 10.2.057	2
3	RECEPTACLE CONFERENCE ROOM 10.2.057		20 A	1			540 VA	1000 VA				1	20 A	RECEPTACLE CONFERENCE ROOM 10.2.057	4
5	RECEPTACLE CONFERENCE ROOM 10.2.057		20 A	1					1000 VA	1000 VA		1	20 A	RECEPTACLE CONFERENCE ROOM 10.2.057	6
7	RECEPTACLE CONFERENCE ROOM 10.2.057		20 A	1	1000 VA	1000 VA						1	20 A	RECEPTACLE CONFERENCE ROOM 10.2.057	8
9	RECEPTACLE CONFERENCE ROOM 10.2.057		20 A	1			720 VA	900 VA				1	20 A	RECEPTACLE CORRIDOR 10.2.032	10
11	RECEPTACLE WAITING ROOM 10.2.038		20 A	1					1080 VA	1080 VA		1	20 A	RECEPTACLE MEDIATION ROOM 10.2.040	12
13	RECEPTACLE OFFICE 10.2.035		20 A	1	1260 VA	1080 VA						1	20 A	RECEPTACLE CORRIDOR 10.2.007	14
15	RECEPTACLE HALL 10.2.046		20 A	1			900 VA	1320 VA				1	20 A	RECEPTACLE OFFICE 10.2.051	16
17	RECEPTACLE OFFICE 10.2.075		20 A	1					1620 VA	1440 VA		1	20 A	RECEPTACLE OFFICE 10.2.074	18
19	DOOR BELL CHIME RECPY WAITING RM 10.2.044		20 A	1	720 VA	900 VA						1	20 A	RECEPTACLE VISITATION ROOM D 10.2.058	20
21	FRIG VISITATION ROOM D 10.2.058		20 A	1			600 VA	800 VA				1	20 A	MICRO VISITATION ROOM D 10.2.058	22
23	RECEPTACLE OBSERVATION ROOM 10.2.060		20 A	1					540 VA	720 VA		1	20 A	RECEPTACLE OBSERVATION ROOM 10.2.060	24
25	RECEPTACLE RECEPTION/FILE 10.2.041		20 A	1	540 VA	960 VA						1	20 A	RECEPTACLE RECEPTION/FILE 10.2.041	26
27	CAMERA MONITOR RECPY RECEPTION/FILE 10.2.041		20 A	1			780 VA	1200 VA				1	20 A	COUNTER RECPTS WORK ROOM 10.2.043	28
29	COPY WORK ROOM 10.2.043		20 A	1					1500 VA	720 VA		1	20 A	RECEPTACLE VISITATION ROOM E 10.2.062	30
31	FRIG VISITATION ROOM E 10.2.062		20 A	1	600 VA	1000 VA						1	20 A	MICRO VISITATION ROOM E 10.2.062	32
33	RECEPTACLE VISITATION ROOM E 10.2.062		20 A	1			180 VA	540 VA				1	20 A	RECEPTACLE VISITATION ROOM B 10.2.059	34
35	FRIG VISITATION ROOM B 10.2.059		20 A	1					600 VA	1000 VA		1	20 A	MICRO VISITATION ROOM B 10.2.059	36
37	RECEPTACLE VISITATION ROOM C 10.2.061		20 A	1	360 VA	600 VA						1	20 A	FRIG VISITATION ROOM C 10.2.061	38
39	MICRO VISITATION ROOM C 10.2.061		20 A	1			1000 VA	900 VA				1	20 A	RECEPTACLE VISITATION ROOM A 10.2.064	40
41	FRIG VISITATION ROOM A 10.2.064		20 A	1					600 VA	1000 VA		1	20 A	MICRO VISITATION ROOM A 10.2.064	42
43	RECEPTACLE VISITATION ROOM A 10.2.064		20 A	1	180 VA	1440 VA						1	20 A	RECEPTACLE OFFICE 10.2.063	44
45	RECEPTACLE OFFICE 10.2.067		20 A	1			720 VA	900 VA				1	20 A	RECEPTACLE OFFICE 10.2.069	46
47	RECEPTACLE OFFICE 10.2.085		20 A	1					720 VA	1140 VA		1	20 A	PRINTER, RECEPTACLES OFFICE 10.2.052	48
49	MONITORS, RECEPTACLE OFFICE 10.2.052		20 A	1	1140 VA	1440 VA						1	20 A	RECEPTACLE OFFICE 10.2.079	50
51	RECEPTACLE OFFICE 10.2.078		20 A	1			1440 VA	900 VA				1	20 A	RECEPTACLE OFFICE 10.2.083	52
53	RECEPTACLE OFFICE 10.2.082		20 A	1					720 VA	100 VA		1	20 A	UH-2 HVAC MECHANICAL 10.2.084	54
55	SPARE		20 A	1	0 VA	0 VA						1	20 A	SPARE	56
57	SPARE		20 A	1			0 VA	0 VA				1	20 A	SPARE	58
59	SPARE		20 A	1					0 VA	0 VA		1	20 A	SPARE	60
61	SPARE		20 A	1	0 VA	0 VA						1	20 A	SPARE	62
63	SPARE		20 A	1			0 VA	0 VA				1	20 A	SPARE	64
65	SPARE		20 A	1					0 VA	0 VA		1	20 A	SPARE	66
67	SPARE		20 A	1	0 VA	0 VA						1	20 A	SPARE	68
69	SPARE		20 A	1			0 VA	0 VA				1	20 A	SPARE	70
71	SPARE		20 A	1					0 VA	0 VA		1	20 A	SPARE	72
73	SPARE		20 A	1	0 VA	0 VA						1	20 A	SPARE	74
75	SPACE		--	--			0 VA	0 VA				--	--	SPACE	76
77	SPACE		--	--					0 VA	0 VA	--	--	--	SPACE	78
79	SPACE		--	--	0 VA	0 VA					--	--	--	SPACE	80
81	SPACE		--	--			0 VA	0 VA			--	--	--	SPACE	82
83	SPACE		--	--					0 VA	0 VA	--	--	--	SPACE	84
Total Load:					15.72 kVA	15.34 kVA	16.58 kVA								
Total Amps:					132 A	128 A	139 A								
Legend:															
Load Classification			Connected Load			Demand Factor			Estimated Demand			Panel Totals			
RECEPTACLE			27540 VA			68.16%			18770 VA						
CONTINUOUS			1200 VA			125.00%			1500 VA			Total Conn. Load: 47.64 kVA			
NONCONTINUOUS			18804 VA			100.00%			18804 VA			Total Est. Demand: 39.17 kVA			
HVAC			100 VA			100.00%			100 VA			Total Conn.: 132 A			
												Total Est. Demand: 109 A			
Notes:															

Branch Panel: 010PL3A															
Location: 010TX-PL3A					Volts: 120/208 Wye					A.I.C. Rating: 10K AIC					
Supply From: 010TX-PL3A					Phases: 3					Mains Type: MCB					
Mounting: SURFACE					Wires: 4					Bus Rating: 225 A					
Enclosure:										MCB Rating: 225 A					
Notes:															
CKT	Circuit Description	Type	Trip	Poles	A		B		C		Poles	Trip	Type	Circuit Description	CKT
1	EW-C-2 CORRIDOR 10.3.009	20 A	1		504 VA	1260 VA					1	20 A	G	RECEPTACLE STORAGE 10.3.135	2
3	RECEPTACLE OFFICE 10.3.133	20 A	1				1440 VA	1440 VA			1	20 A		RECEPTACLE OFFICE 10.3.131	4
5	RECEPTACLE OFFICE 10.3.129	20 A	1						1440 VA	1440 VA	1	20 A		RECEPTACLE OFFICE 10.3.127	6
7	RECEPTACLE OFFICE 10.3.125	20 A	1		1440 VA	100 VA					1	20 A		UH-3 HAVA MECHANICAL ROOM 10.3.123	8
9	RECEPTACLE OPEN OFFICE 10.3.136	20 A	1				540 VA	900 VA			1	20 A		RECEPTACLE OPEN OFFICE 10.3.136	10
11	RECEPTACLE OPEN OFFICE 10.3.136	20 A	1						1080 VA	1260 VA	1	20 A		RECEPTACLE OPEN OFFICE 10.3.136	12
13	FF-14 OPEN OFFICE 10.3.136	20 A	1		1200 VA	1080 VA					1	20 A		RECEPTACLE OPEN OFFICE 10.3.136	14
15	RECEPTACLE OPEN OFFICE 10.3.136	20 A	1				1080 VA	540 VA			1	20 A		RECEPTACLE OPEN OFFICE 10.3.136	16
17	COUNTER PRINTER OPEN OFFICE 10.3.136	20 A	1						800 VA	800 VA	1	20 A		COUNTER PRINTER WORK ROOM 10.3.093	18
19	COPIERWORK ROOM 10.3.093	20 A	1		1500 VA	400 VA					1	20 A		COUNTER RECEPTACLES WORK ROOM...	20
21	COUNTER RECEPTACLES WORK ROOM...	20 A	1				400 VA	900 VA			1	20 A		RECEPTACLE CONFERENCE ROOM 1 10.3.091	22
23	RECEPTACLE OBSERVATION ROOM 10.3.089	20 A	1						720 VA	900 VA	1	20 A		RECEPTACLE OFFICE 10.3.090	24
25	RECEPTACLE OFFICE 10.3.092	20 A	1		1440 VA	1620 VA					1	20 A		RECEPTACLE OFFICE 10.3.096	26
27	RECEPTACLE OFFICE 10.3.095	20 A	1				1440 VA	1620 VA			1	20 A		RECEPTACLE OFFICE 10.3.099	28
29	RECEPTACLE OFFICE 10.3.102	20 A	1						1440 VA	1620 VA	1	20 A		RECEPTACLE OFFICE 10.3.106	30
31	RECEPTACLE OFFICE 10.3.103	20 A	1		1440 VA	1440 VA					1	20 A		RECEPTACLE OFFICE 10.3.107	32
33	RECEPTACLE OFFICE 10.3.112	20 A	1				1620 VA	1440 VA			1	20 A		RECEPTACLE OFFICE 10.3.116	34
35	RECEPTACLE WORK AREA 10.3.122	20 A	1						360 VA	1100 VA	1	20 A	G	MICRO KITCHENETTE 10.3.113	36
37	MICRO KITCHENETTE 10.3.113	G	20 A	1	1100 VA	1100 VA					1	20 A	G	MICRO KITCHENETTE 10.3.113	38
39	FRIG KITCHENETTE 10.3.113	G	20 A	1			1000 VA	1000 VA			1	20 A	G	FRIG KITCHENETTE 10.3.113	40
41	RECEPTACLE KITCHENETTE 10.3.113	20 A	1						360 VA	540 VA	1	20 A		RECEPTACLE CONFERENCE ROOM 5 10.3.115	42
43	RECEPTACLE CONFERENCE ROOM 5 10.3.115	20 A	1		540 VA	720 VA					1	20 A		RECEPTACLE OPEN OFFICE 10.3.117	44
45	RECEPTACLE OPEN OFFICE 10.3.117	20 A	1				540 VA	1080 VA			1	20 A		RECEPTACLE OFFICE 10.3.119	46
47	RECEPTACLE OFFICE 10.3.121	20 A	1						900 VA	0 VA	1	20 A		SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					0 VA	1	20 A		SPARE	50
51	SPARE	20 A	1				0 VA	0 VA			1	20 A		SPARE	52
53	SPARE	20 A	1						0 VA	0 VA	1	20 A		SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					0 VA	1	20 A		SPARE	56
57	SPARE	20 A	1				0 VA	0 VA			1	20 A		SPARE	58
59	SPARE	20 A	1						0 VA	0 VA	1	20 A		SPARE	60
61	SPARE	20 A	1	0 VA	0 VA					0 VA	1	20 A		SPARE	62
63	SPARE	20 A	1				0 VA	0 VA			1	20 A		SPARE	64
65	SPARE	20 A	1						0 VA	0 VA	1	20 A		SPARE	66
67	SPARE	20 A	1	0 VA	0 VA					0 VA	1	20 A		SPARE	68
69	SPARE	20 A	1				0 VA	0 VA			1	20 A		SPARE	70
71	SPARE	20 A	1						0 VA	0 VA	1	20 A		SPARE	72
73	SPARE	20 A	1	0 VA	0 VA					0 VA	1	20 A		SPARE	74
75	SPACE	--	--				0 VA	0 VA			--	--		SPACE	76
77	SPACE	--	--							0 VA	--	--		SPACE	78
79	SPACE	--	--	0 VA	0 VA					0 VA	--	--		SPACE	80
81	SPACE	--	--				0 VA	0 VA			--	--		SPACE	82
83	SPACE	--	--						0 VA	0 VA	--	--		SPACE	84
Total Load:					16.88 kVA	16.98 kVA	14.56 kVA								
Total Amps:					144 A	144 A	121 A								
Legend:															
G=GF, A=AFCI, B=BREAKER LOCK															
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals							
RECEPTACLE		37620 VA		63.29%		23810 VA									
CONTINUOUS		2200 VA		125.00%		2750 VA		Total Conn. Load: 48.42 kVA							
NONCONTINUOUS		8504 VA		100.00%		8504 VA		Total Est. Demand: 35.16 kVA							
HVAC		100 VA		100.00%		100 VA		Total Conn.: 134 A							
								Total Est. Demand: 96 A							
Notes:															

Branch Panel: 010PL3BR												
Location: ELECTRICAL 10.3.003					Volts: 120/208 Wye				A.I.C. Rating: 10K AIC			
Supply From: 010PL3BL					Phases: 3				Mains Type: MLO			
Mounting: SURFACE					Wires: 4				Bus Rating: 225 A			
Enclosure:												
Notes:												
CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	RECEPTACLE OFFICE 10.3.068	20 A	1		1440 VA	900 VA		1	20 A		RECEPTACLE STORAGE 10.3.071	2
3	RECEPTACLE OFFICE 10.3.075	20 A	1			1080 VA	540 VA	1	20 A		RECEPTACLE CONFERENCE ROOM 2 10.3.077	4
5	RECEPTACLE CONFERENCE ROOM 2 10.3.077	20 A	1				540 VA	900 VA	1	20 A	RECEPTACLE OFFICE 10.3.081	6
7	FF-7 OPEN OFFICE 10.3.083	20 A	1		1800 VA	720 VA		1	20 A		RECEPTACLE CORRIDOR 10.3.045	8
9	RECEPTACLE CONFERENCE ROOM 3 10.3.087	20 A	1			540 VA	1620 VA	1	20 A		RECEPTACLE OFFICE 10.3.084	10
11	RECEPTACLE SHOT ROOM 10.3.049	20 A	1				360 VA	360 VA	1	20 A	RECEPTACLE SHOT ROOM 10.3.051	12
13	RECEPTACLE CORRIDOR 10.3.047	20 A	1		1080 VA	900 VA		1	20 A		RECEPTACLE OFFICE 10.3.080	14
15	RECEPTACLE OFFICE 10.3.055	20 A	1			1080 VA	1620 VA	1	20 A		RECEPTACLE OFFICE 10.3.057	16
17	RECEPTACLE OFFICE 10.3.078	20 A	1				900 VA	1620 VA	1	20 A	RECEPTACLE OFFICE 10.3.074	18
19	RECEPTACLE OFFICE 10.3.072	20 A	1		1440 VA	780 VA		1	20 A		COUNTERTOP RECEPTACLE WORK AREA...	20
21	RECEPTACLE OFFICE 10.3.067	20 A	1			1620 VA	1440 VA	1	20 A		RECEPTACLE OFFICE 10.3.065	22
23	RECEPTACLE CORRIDOR 10.3.060	20 A	1				900 VA	1440 VA	1	20 A	RECEPTACLE OFFICE 10.3.031	24
25	CONTINUOUS TELEHEALTH 10.3.033	20 A	1		540 VA	900 VA		1	20 A		RECEPTACLE OFFICE 10.3.035	26
27	RECEPTACLE OFFICE 10.3.035	20 A	1			900 VA	900 VA	1	20 A		RECEPTACLE OFFICE 10.3.037	28
29	RECEPTACLE STORAGE 10.3.052	20 A	1				1080 VA	1260 VA	1	20 A	RECEPTACLE OFFICE 10.3.039	30
31	RECEPTACLE CORRIDOR 10.3.029	20 A	1		1620 VA	580 VA		1	20 A		CE-7 & RECEPTACLE TOILET ROOM 10.3.048	32
33	RECEPTACLE CORRIDOR 10.3.045	20 A	1			900 VA	1440 VA	1	20 A		RECEPTACLE OFFICE 10.3.046	34
35	RECEPTACLE OFFICE 10.3.042	20 A	1				1440 VA	1440 VA	1	20 A	RECEPTACLE OFFICE 10.3.017	36
37	RECEPTACLE OFFICE 10.3.040	20 A	1		1260 VA	1440 VA		1	20 A		RECEPTACLE OFFICE 10.3.021	38
39	RECEPTACLE OFFICE 10.3.036	20 A	1			1620 VA	1080 VA	1	20 A		RECEPTACLE CORRIDOR 10.3.011	40
41	RECEPTACLE CORRIDOR 10.3.027	20 A	1				360 VA	980 VA	1	20 A	RECEPTACLE MEDICAL ROOM 10.3.050	42
43	SPARE	20 A	1		0 VA	780 VA		1	20 A		PRINTER/COMPUTER MEDICAL ROOM 10.3.050	44
45	SPARE	20 A	1			0 VA	0 VA	1	20 A		SPARE	46
47	SPARE	20 A	1				0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1		0 VA	0 VA		1	20 A		SPARE	50
51	SPARE	20 A	1			0 VA	0 VA	1	20 A		SPARE	52
53	SPARE	20 A	1				0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1		0 VA	0 VA		1	20 A		SPARE	56
57	SPARE	20 A	1			0 VA	0 VA	1	20 A		SPARE	58
59	SPARE	20 A	1				0 VA	0 VA	1	20 A	SPARE	60
61	SPARE	20 A	1		0 VA	0 VA		--	--		SPACE	62
63	SPACE	--	--			0 VA	0 VA	--	--		SPACE	64
65	SPACE	--	--				0 VA	0 VA	--	--	SPACE	66
67	SPACE	--	--		0 VA	0 VA		--	--		SPACE	68
69	SPACE	--	--			0 VA	0 VA	--	--		SPACE	70
71	SPACE	--	--				0 VA	0 VA	--	--	SPACE	72
73												74
75												76
77												78
79												80
81												82
83												84
Total Load:					16.18 kVA	16.38 kVA	13.58 kVA					
Total Amps:					138 A	140 A	113 A					
Legend:												
G=GFI, A=AFCI, B=BREAKER LOCK												
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals				
RECEPTACLE		42120 VA		61.87%		26060 VA						
CONTINUOUS		1620 VA		125.00%		2025 VA		Total Conn. Load: 46.14 kVA				
KITCHEN EQUIPMENT		0 VA		0.00%		0 VA		Total Est. Demand: 30.49 kVA				
NON-CONTINUOUS		2090 VA		100.00%		2090 VA		Total Conn.: 128 A				
HVAC		400 VA		100.00%		400 VA		Total Est. Demand: 85 A				
Notes:												

Branch Panel: 010DPHSB1A																
Location: ELECTRICAL ROOM 10.1.145A						Volts: 480/277 Wye				A.I.C. Rating: 65K AIC						
Supply From: 010ATS-SB1A						Phases: 3				Mains Type: MCB						
Mounting: Enclosure:						Wires: 4				Bus Rating: 250 A						
										MCB Rating: 250 A						
Notes:																
CKT	Circuit Description				Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1							21660 ...									2
3									25336...				3	110 A	010TX-DPLSB1A	4
5											23284...					6
7							7756 VA		7756 VA							8
9	MOTOR ELEVATOR 10.E1 010ELEV-101				40 A	3			7756 VA		7756 VA		3	40 A	MOTOR ELEVATOR 10.E2 010ELEV-102	10
11											7756 VA		7756 VA			12
13							4924 VA									14
15	010TX-PLSB2B				45 A	3			4120 VA							16
17											4080 VA					18
19																20
21																22
23																24
25																26
27																28
29																30
31																32
33																34
35																36
37																38
39																40
41																42
Total Load:							42.10 kVA		44.97 kVA		42.88 kVA					
Total Amps:							152 A		163 A		155 A					
Legend:																
Load Classification					Connected Load			Demand Factor			Estimated Demand			Panel Totals		
LIGHTING					0 VA			0.00%			0 VA					
Motor					46536 VA			112.50%			52353 VA			Total Conn. Load: 129.94 kVA		
RECEPTACLE					18540 VA			76.97%			14270 VA			Total Est. Demand: 135.40 kVA		
CONTINUOUS					15640 VA			125.00%			19550 VA			Total Conn.: 156 A		
KITCHEN EQUIPMENT					200 VA			100.00%			200 VA			Total Est. Demand: 163 A		
NONCONTINUOUS					7900 VA			100.00%			7900 VA					
HVAC					41124 VA			100.00%			41124 VA					
Notes:																

Branch Panel: 010PLSB1A																							
Location: ELECTRICAL 10.1.025							Volts: 120/208 Wye				A.I.C. Rating: 10K AIC												
Supply From: 010DPLSB1A							Phases: 3				Mains Type: MCB												
Mounting: SURFACE							Wires: 4				Bus Rating: 100 A												
Enclosure:																							
Notes:																							
CKT	Circuit Description				Type	Trip	Poles	A		B		C		Poles	Trip	Type	Circuit Description				CKT		
1	EXTERIOR BOLLARDS					20 A	1	0 VA		1360 VA				1		20 A		X-RAY SCREENING WEST 10.1.003				2	
3	X-RAY SCREENING EAST 10.1.003					20 A	1			1180 VA		540 VA		1		20 A		RECEPTACLE SCREENING 10.1.003				4	
5	RECEPTACLE CUJ 10.1.005					20 A	1					720 VA		900 VA		1	20 A	RECEPTACLE CUJ 10.1.005				6	
7	RECEPTACLE CUJ 10.1.005					20 A	1	180 VA		1100 VA						1	20 A	G	MICRO CUJ 10.1.005				8
9	FRIG CUJ 10.1.005				G	20 A	1			1000 VA		360 VA				1	20 A		RECEPTACLE CUJ 10.1.005				10
11	RECEPTACLE ELECTRICAL 10.1.025					20 A	1							180 VA		180 VA	1	20 A	ODS-1 ELEVATOR 10.E1				12
13	ELV-1 RECEPTACLE ELEVATOR 10.E1					20 A	1	360 VA		0 VA									RAC-1 HVAC IT 10.1.034				14
15	RECEPTACLE IT 10.1.034					20 A	1			360 VA		1560 VA					2	15 A					16
17	BAS-4 HVAC IT 10.1.034					20 A	1							1500 VA		400 VA	1	20 A	BAS-WK-4 HVAC IT 10.1.034				18
19	RACK POWER IT 10.1.034					20 A	1	1440 VA		1440 VA							1	20 A	RACK POWER IT 10.1.034				20
21	OU-1 HVAC ROOFTOP					30 A	2			1872 VA		1200 VA					1	20 A	SCANNER SCREENING 10.1.003				22
23														1872 VA		1200 VA	1	20 A	SCANNER SCREENING 10.1.003				24
25	SPARE					20 A	1	0 VA		0 VA							1	20 A	SPARE				26
27	SPARE					20 A	1			0 VA		0 VA					1	20 A	SPARE				28
29	SPARE					20 A	1							0 VA		0 VA	1	20 A	SPARE				30
31	SPACE				--	--	--	0 VA		0 VA							1	20 A	SPARE				32
33	SPACE				--	--	--					0 VA		0 VA			1	20 A	SPARE				34
35	SPACE				--	--	--							0 VA		0 VA	1	20 A	SPARE				36
37	SPACE				--	--	--	0 VA		0 VA							--	--	SPACE				38
39	SPACE				--	--	--					0 VA		0 VA			--	--	SPACE				40
41	SPACE				--	--	--							0 VA		0 VA	--	--	SPACE				42
Total Load:							5.88 kVA		8.07 kVA		6.95 kVA												
Total Amps:							49 A		69 A		59 A												
Legend:																							
G=GFI, A=AFCI, B=BREAKER LOCK																							
Load Classification				Connected Load				Demand Factor				Estimated Demand				Panel Totals							
LIGHTING				0 VA				0.00%				0 VA											
RECEPTACLE				4140 VA				100.00%				4140 VA				Total Conn. Load: 20.90 kVA							
CONTINUOUS				5080 VA				125.00%				6350 VA				Total Est. Demand: 22.17 kVA							
NONCONTINUOUS				4480 VA				100.00%				4480 VA				Total Conn.: 58 A							
HVAC				7204 VA				100.00%				7204 VA				Total Est. Demand: 62 A							
Notes:																							

Branch Panel: 010DPLSB1A																												
Location: ELECTRICAL 10.1.025						Volts: 120/208 Wye						A.I.C. Rating: 10K AIC																
Supply From: 010TX-DPLSB1A						Phases: 3						Mains Type: MCB																
Mounting: Enclosure:						Wires: 4						Bus Rating: 225 A																
Notes:																												
CKT	Circuit Description					Type	Trip	Poles	A		B		C		Poles	Trip	Type	Circuit Description					CKT					
1	010PLSB1A					100 A	3	3	5880 VA 7632 VA		8072 VA 7792 VA		6952 VA 7800 VA		3	100 A		010PLSB2A						2				
3																								4				
5																								6				
7																								8				
9	010PLSB3A					100 A	3	3	8148 VA		9472 VA		8532 VA											10				
11																								12				
13																								14				
15																								16				
17																						18						
19																								20				
21																								22				
23																								24				
25																								26				
27																								28				
29																								30				
31																								32				
33																								34				
35																								36				
37																								38				
39																								40				
41																								42				
43																								44				
45																								46				
47																								48				
49																								50				
51																								52				
53																								54				
Total Load:									21 68 kVA		25 34 kVA		23 26 kVA															
Total Amps:									181 A		213 A		196 A															
Legend:																												
G=GF1, A=AFCL, B=BREAKER LOCK																												
Load Classification								Connected Load				Demand Factor				Estimated Demand				Panel Totals								
LIGHTING								0 VA				0.00%				0 VA				Total Conn. Load: 70.28 kVA								
RECEPTACLE								17100 VA				79.24%				13650 VA				Total Est. Demand: 69.82 kVA								
CONTINUOUS								12340 VA				125.00%				15425 VA				Total Conn.: 195 A								
KITCHEN EQUIPMENT								0 VA				0.00%				0 VA				Total Est. Demand: 194 A								
NONCONTINUOUS								7540 VA				100.00%				7540 VA												
HVAC								33300 VA				100.00%				33300 VA												
Notes:																												

Branch Panel: 010PLSB3A

Location: ELECTRICAL 10.3.003

Supply From: 010DPLSB1A

Mounting: SURFACE

Enclosure:

Volts: 120/208 Vye

Phases: 3

Wires: 4

A.I.C Rating: 10K AIC

Mainis Type: MLO

Bus Rating: 100 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT	
1	OU-3 HVAC ROOFTOP		30 A	2	1872 VA 360 VA				1	20 A	RECEPTACLE CRISIS PHONE ROOM 10.3.020	2	
3						1872 VA 360 VA			1	20 A	RECEPTACLE CRISIS PHONE ROOM 10.3.020	4	
5	RAC-4 HVAC CRISIS PHONE ROOM 10.3.020		15 A	2			1560 VA 360 VA	1	20 A	RECEPTACLE CRISIS PHONE ROOM 10.3.020	6		
7					1560 VA 360 VA	1560 VA 360 VA			1	20 A	RECEPTACLE CRISIS PHONE ROOM 10.3.020	8	
9	RAC-3 HVAC IT 10.3.004		15 A	2					1	20 A	RECEPTACLE CRISIS PHONE ROOM 10.3.020	10	
13	RECEPTACLE CRISIS PHONE ROOM 10.3.020		20 A	1	360 VA 360 VA			1560 VA 360 VA	1	20 A	RECEPTACLE CRISIS PHONE ROOM 10.3.020	12	
15	RECEPTACLE SHOT ROOM 10.3.051		20 A	1		360 VA 720 VA			1	20 A	RECEPTACLE CRISIS PHONE ROOM 10.3.020	14	
17	RECEPTACLE		20 A	1			720 VA 1920 VA		1	20 A	RECEPTACLE MEDICAL ROOM 10.3.050	16	
19	GFCI ELEVATOR 10.E1		20 A	1	180 VA 360 VA				1	20 A	RECEPTACLE CRISIS CONFERENCE ROOM...	18	
21	DATA RACK IT 10.3.004		20 A	1		1920 VA 400 VA			1	20 A	DATA RACK IT 10.3.004	20	
23	RECEPTACLE ELECTRICAL 10.3.003		20 A	1			180 VA 1972 VA		1	20 A	RECEPTACLE IT 10.3.004	22	
25	RE-S HVAC ROOFTOP		215 A	1	864 VA 1872 VA				2	30 A	BAS-WK-6 HVAC IT 10.3.004	24	
27	HVAC IT 10.3.004		20 A	1		1920 VA 0 VA			1	20 A	OU-4 HVAC ROOFTOP	26	
29	SPARE		20 A	1			0 VA 0 VA		1	20 A		28	
31	SPARE		20 A	1	0 VA 0 VA				1	20 A	SPARE	30	
33	SPARE		20 A	1		0 VA 0 VA			1	20 A	SPARE	32	
35	SPARE		20 A	1			0 VA 0 VA		1	20 A	SPARE	34	
37	SPARE		20 A	1	0 VA 0 VA				1	20 A	SPARE	36	
39	SPARE		20 A	1		0 VA 0 VA			1	20 A	SPARE	38	
41	SPARE		20 A	1			0 VA 0 VA		1	20 A	SPARE	40	
					Total Load:	8.15 kVA	9.47 kVA	8.53 kVA					42
					Total Amps:	68 A	79 A	72 A					

Legend:

G=GFI, A=AFCI, B=BREAKER LOCK

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
RECEPTACLE	5220 VA	100.00%	5220 VA	Total Conn. Load: 26.15 KVA
CONTINUOUS	3840 VA	125.00%	4800 VA	
KITCHEN EQUIPMENT	0 VA	0.00%	0 VA	Total Est. Demand: 27.11 KVA
NONCONTINUOUS	180 VA	100.00%	180 VA	Total Conn.: 73 A
HVAC	16912 VA	100.00%	16912 VA	Total Est. Demand: 75 A

Notes:

Branch Panel: 010PLEM1B																							
Location: ELECTRICAL 10.1.025								Volts: 120/208 Wye				A.I.C. Rating: 10K AIC											
Supply From: 010PLEM1A								Phases: 3				Maines Type: MLO											
Mounting: SURFACE								Wires: 4				Bus Rating: 125 A											
Enclosure:																							
Notes:																							
CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT											
1	PA-1 NON-SECURE VESTIBULE 10.1.001	20 A	1		720 VA	720 VA		1	20 A		PA-2 NON-SECURE VESTIBULE 10.1.001	2											
3	PA-3 NON-SECURE VESTIBULE 10.1.001	20 A	1			720 VA	720 VA	1	20 A		PA-4 NON-SECURE VESTIBULE 10.1.001	4											
5	PA-5 VESTIBULE 10.1.002	20 A	1				720 VA	720 VA	1	20 A	PA-6 VESTIBULE 10.1.002	6											
7	PA-7 CORRIDOR 10.1.006	20 A	1		720 VA	720 VA		1	20 A		PA-8 CORRIDOR 10.1.006	8											
9	PLATFORM/LIFT PEDESTRIAN WALKWAY....	20 A	1			1500 VA	720 VA	1	20 A		PA-11 CORRIDOR 10.1.028	10											
11	PA-12 CORRIDOR 10.1.038	20 A	1				720 VA	720 VA	1	20 A	PA-19 COURTROOM 10.2.023	12											
13	PA-17 WAITING ROOM 10.2.018	20 A	1		720 VA	720 VA		1	20 A		PA-18 WAITING ROOM 10.2.018	14											
15	PA-14 CORRIDOR 10.2.001	20 A	1			720 VA	0 VA	1	15 A	B	LIGHTING ELEVATOR 10.E1	16											
17	NONCONTINUOUS CORRIDOR 10.3.009	20 A	1				1176 VA	1176 VA	1	20 A	NONCONTINUOUS CORRIDOR 10.3.001	18											
19												20											
21												22											
23												24											
25												26											
27												28											
29												30											
Total Load:					4.32 kVA	4.38 kVA	5.23 kVA																
Total Amps:					36 A	37 A	44 A																
Legend:																							
G=GF, A=AFCL, B=BREAKER LOCK																							
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals															
CONTINUOUS		0 VA		0.00%		0 VA																	
NONCONTINUOUS		13932 VA		100.00%		13932 VA																	
								Total Conn. Load: 13.93 kVA															
								Total Est. Demand: 13.93 kVA															

Branch Panel: 010PLEM3A

Location:

Supply From: 010PLEM1A

Mounting: SURFACE

Enclosure:

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 10K AIC

Mains Type: MLO

Bus Rating: 250 A

Notes:

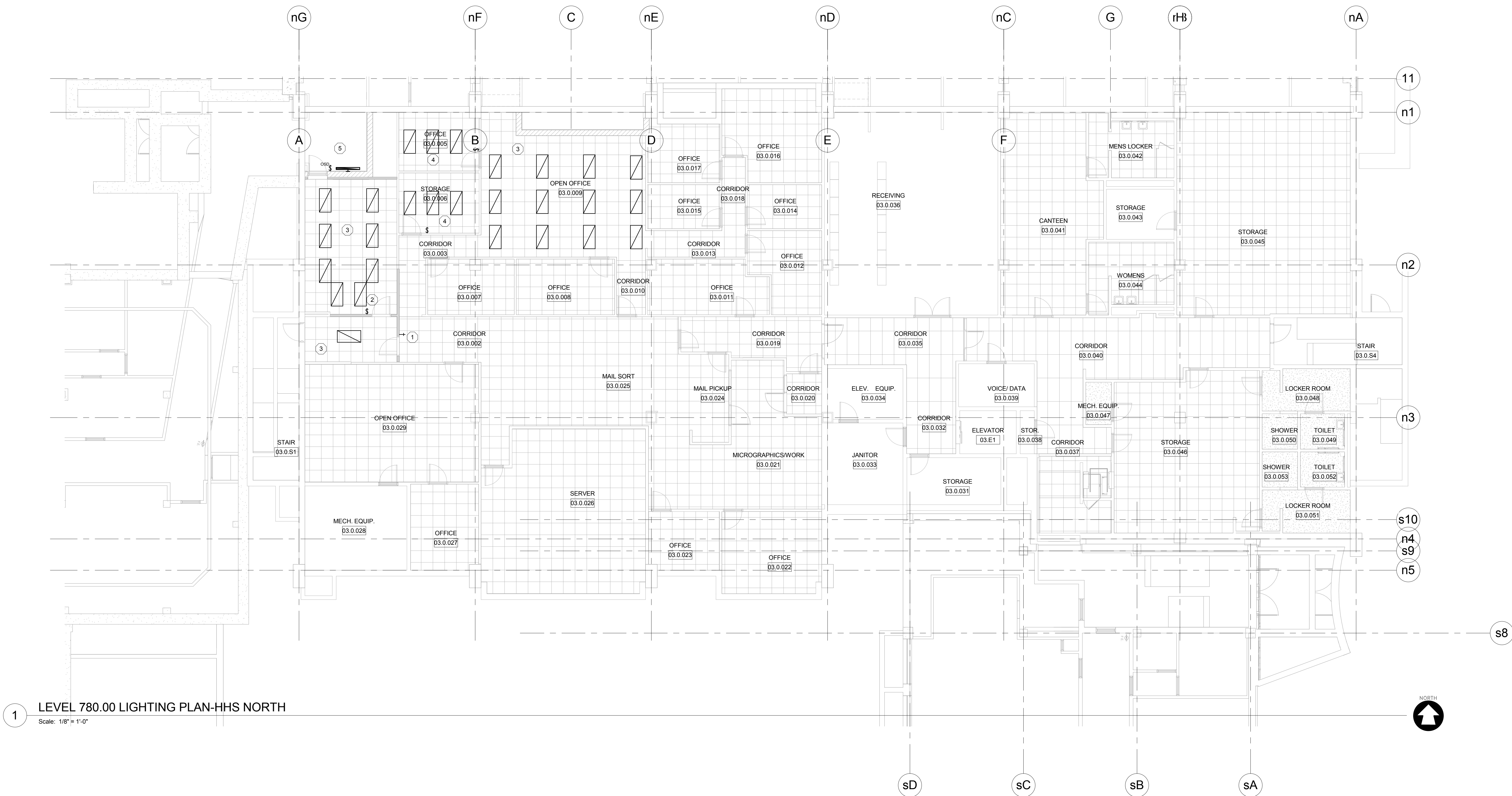
CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	LIGHTING ELEVATOR 10.E2	B	15 A	1	1440 VA							2
3	PA-25 WAITING ROOM 10.3.010		20 A	1		720 VA						4
5	PA-27 WAITING ROOM 03.3.137		20 A	1			720 VA					6
7												8
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
Total Load:					1.44 KVA	0.72 KVA	0.72 KVA					
Total Amps:					12 A	6 A	6 A					

Legend:

G=GF, A=AFCI, B=BREAKER LOCK

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
CONTINUOUS	1440 VA	125.00%	1800 VA	
NONCONTINUOUS	1440 VA	100.00%	1440 VA	Total Conn. Load: 3.28 KVA
				Total Est. Demand: 3.24 KVA
				Total Conn.: 8 A
				Total Est. Demand: 9 A

Notes:



1 LEVEL 780.00 LIGHTING PLAN-HHS NORTH
Scale: 1/8" = 1'-0"

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

PLAN NOTES: #

1. RELOCATED LOW VOLTAGE SWITCH LOCATION FROM ED229.
2. RELOCATED SWITCH FROM ED229.
3. EXISTING LIGHTING TO REMAIN, RELOCATED AS REQUIRED TO CONFORM TO CEILING GRID LAYOUT FROM EXISTING TO NEW.
4. EXISTING ROOM NOT INTENDED TO BE AFFECTED DURING RENOVATION.
5. PROVIDE FLUSH WALL MOUNTED OCCUPANCY SENSOR OR TIMED SWITCH AND LED SURFACE MOUNTED STRIPE LIGHT.

REVISION

DATE

NO.

ALTERATION / ADDITION
OUTAGAME COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 LIGHTING PLAN-HHS NORTH

DESIGNED

CEH

DRAWN

MAL

PROJECT NO.

00002-61600160

DATE

MARCH 3, 2017

SHEET NO.

EL229



1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED FROM INDICATED CIRCUIT UNLESS NOTED OTHERWISE.
2. EXISTING LIGHT FIXTURES AND CONTROLS IN THIS AREA SHALL REMAIN.
3. LIGHT FIXTURES IN THIS ROOM ARE EXISTING AND SHALL BE RELOCATED AS SHOWN TO CONFORM TO CEILING GRID LAYOUT FROM EXISTING TO NEW.

PLAN KEY

NORTH

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

EL230

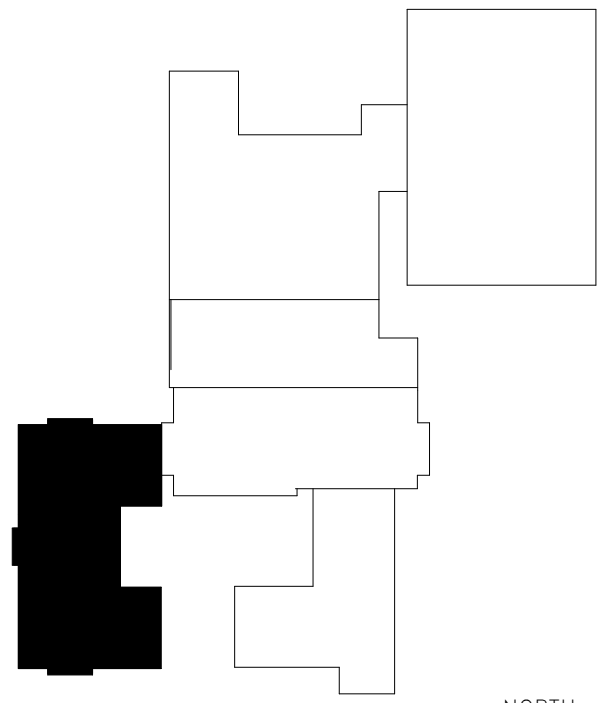
McMAHON
ENGINEERS / ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

2 LEVEL 820.00 LIGHTING PLAN-CAB
Scale: 1/8" = 1'-0"



1

LEVEL 790.00 LIGHTING PLAN-CAB
Scale: 1/8" = 1'-0"



PLAN KEY

GENERAL NOTES:

- A. ELECTRICAL CONTRACTOR TO VERIFY EXISTING PANEL SPACE AND CIRCUIT LOCATION. PROVIDE BREAKERS, CONDUIT, AND WIRING AS REQUIRED. PROVIDE AS-BUILTS WITH FINAL CIRCUITING WITH A MECHANICALLY FILLED PANEL SCHEDULE FOR NEW/EXISTING LOADS IN EXISTING PANEL.

PLAN NOTES: #

1. LIGHT FIXTURES IN THIS ROOM ARE EXISTING AND SHALL BE RELOCATED AS SHOWN TO CONFORM TO CEILING GRID LAYOUT FROM EXISTING TO NEW.
2. EXTEND/ PROVIDE NEW CIRCUITS AS REQUIRED TO EXISTING PANELS.

REVISION

DATE

NO.

DESIGNED
CEH

DRAWN
MAL

PROJECT NO.
00002-61600160

DATE
MARCH 3, 2017

SHEET NO.

PLAN NOTES:

1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED FROM INDICATED CIRCUIT UNLESS NOTED OTHERWISE.
2. EXISTING LIGHT FIXTURES AND CONTROLS IN THIS AREA SHALL REMAIN.

McMAHON
ENGINEERS ARCHITECTS
Maine P.O. BOX 1025 NEWBURN, VT 05457-1025
Tel: (802) 751-4200 Fax: (802) 751-4284
www.mahon.com

McMahon provides this drawing as an instrument of service. All work shall be in accordance with the contract documents. The client shall be responsible for obtaining all necessary permits and approvals. McMahon shall not be responsible for any errors or omissions in this drawing or for any consequences arising therefrom. McMahon shall not be responsible for any changes made to the original drawing without the written consent of McMahon.

REVISION

DATE

BY

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH

DESIGNED

CEH

DRAWN

MAL

PROJECT NO.

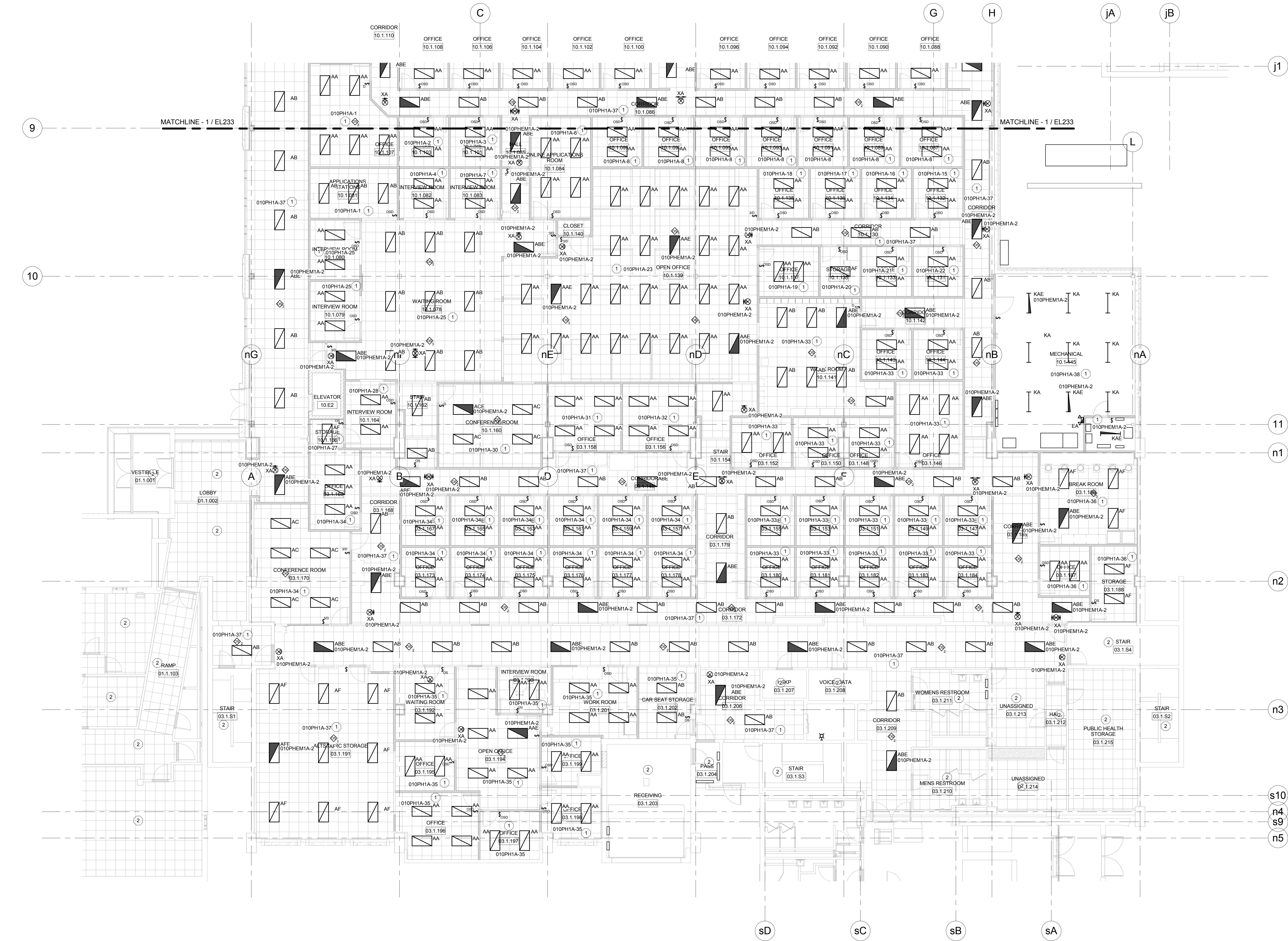
00002-61600160

DATE

MARCH 3, 2017

SHEET NO.

EL232



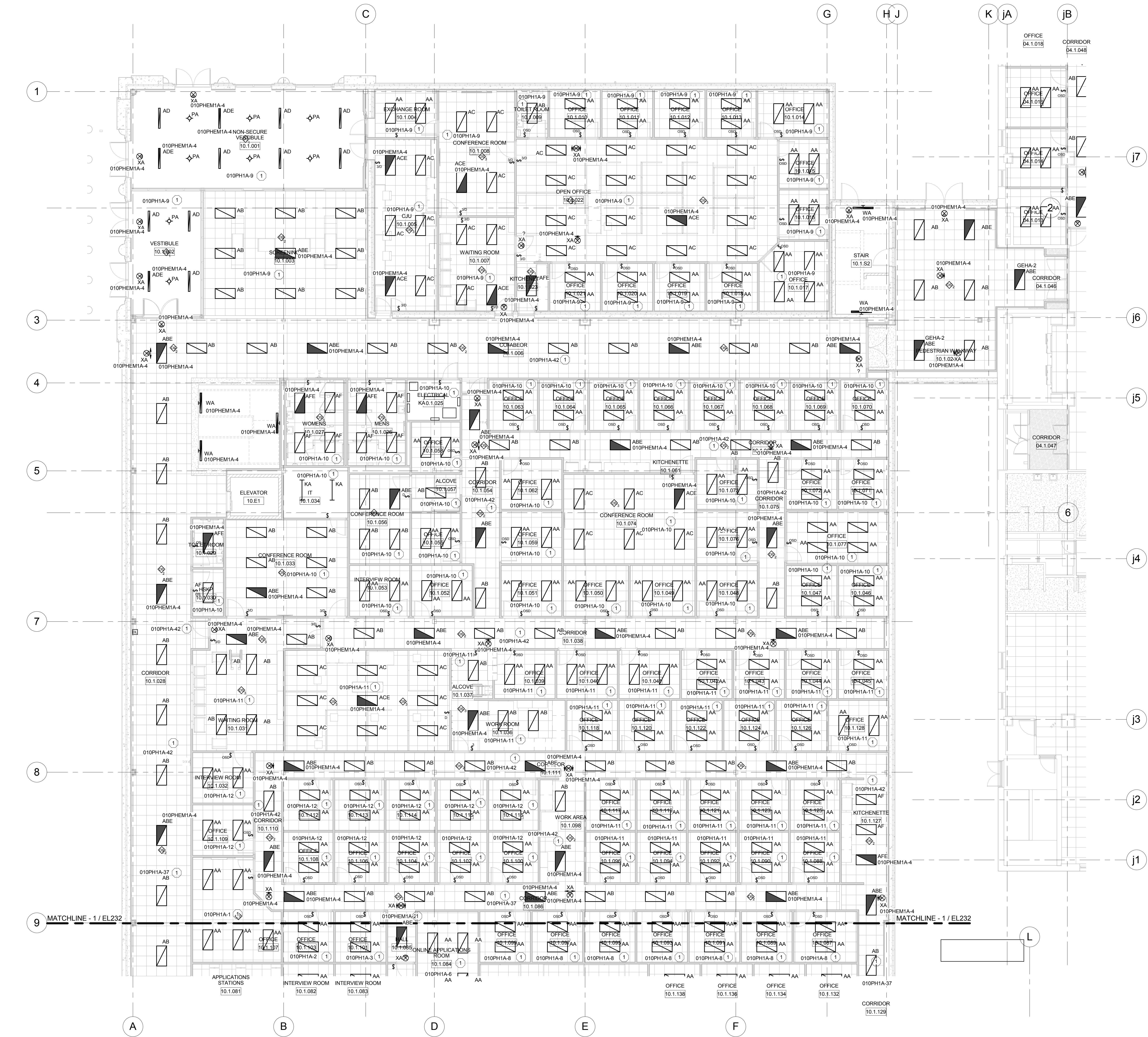
1 LEVEL 790.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH

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



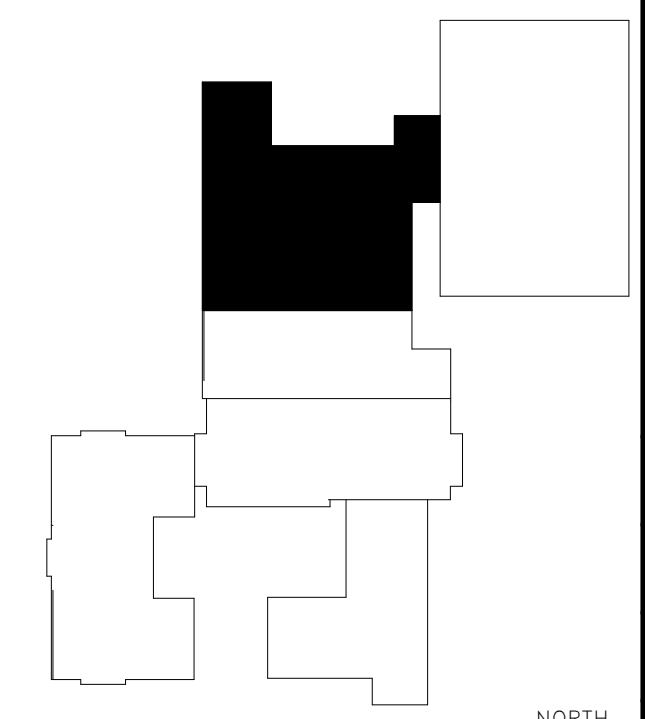
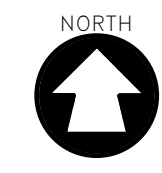
PLAN KEY





1 LEVEL 790.00 LIGHTING PLAN-OCAC NORTH
Scale: 1/8" = 1'-0"

PLAN NOTES: #
1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED FROM INDICATED CIRCUIT UNLESS NOTED OTHERWISE.



McMAHON
ENGINEERS ARCHITECTS
Maine P.O. BOX 1023 NEWBATH, VT 05457-1023
Tel: (802) 751-4200 Fax: (802) 751-4284
www.mhngroup.com

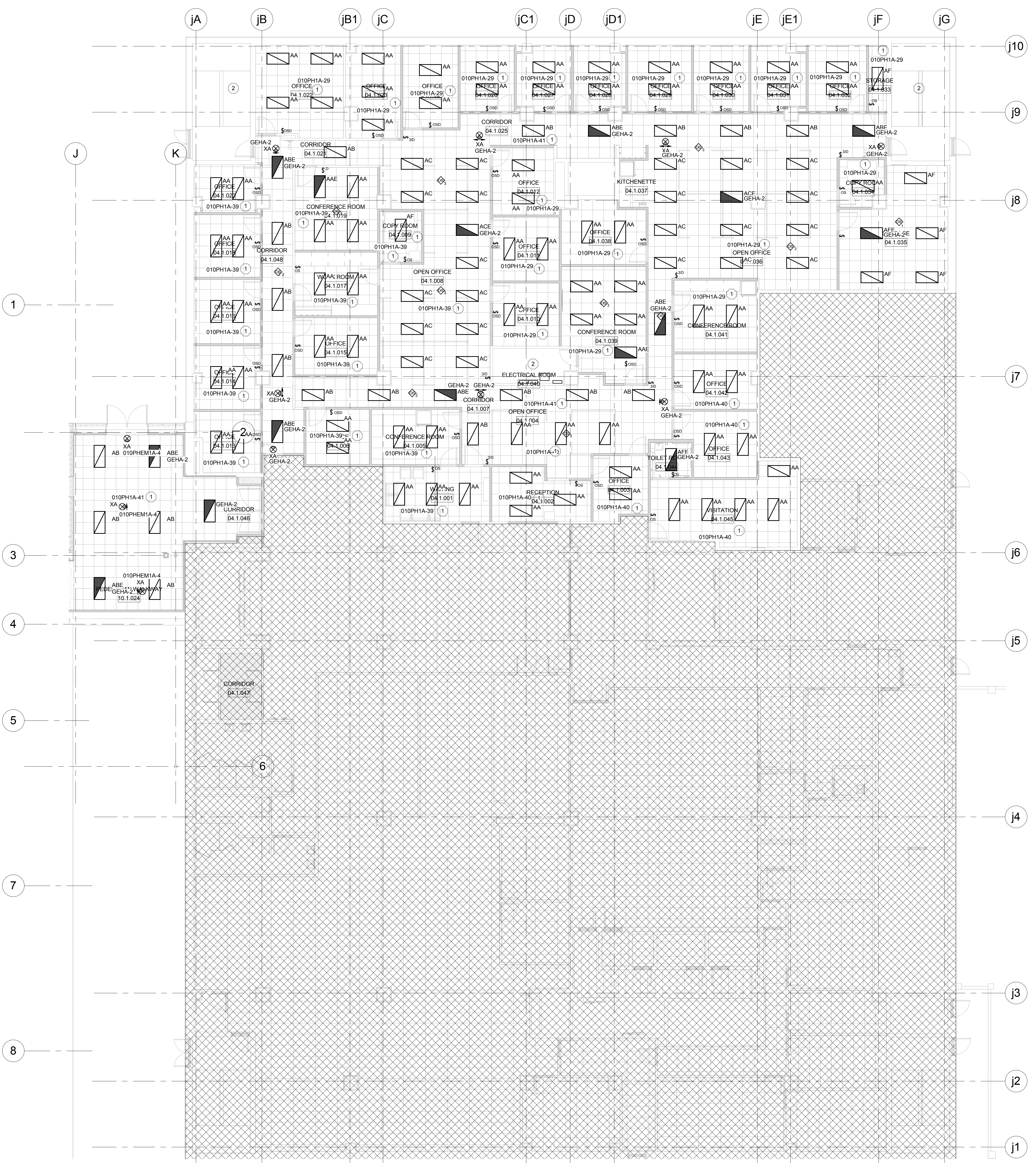
McMahon provides this drawing as an instrument of service. All work is subject to the terms and conditions of the contract. The client is responsible for obtaining all necessary permits and approvals. McMahon is not responsible for any errors or omissions in this drawing. Any changes made to the original drawing must be approved by McMahon.

REVISION	
NO.	DATE

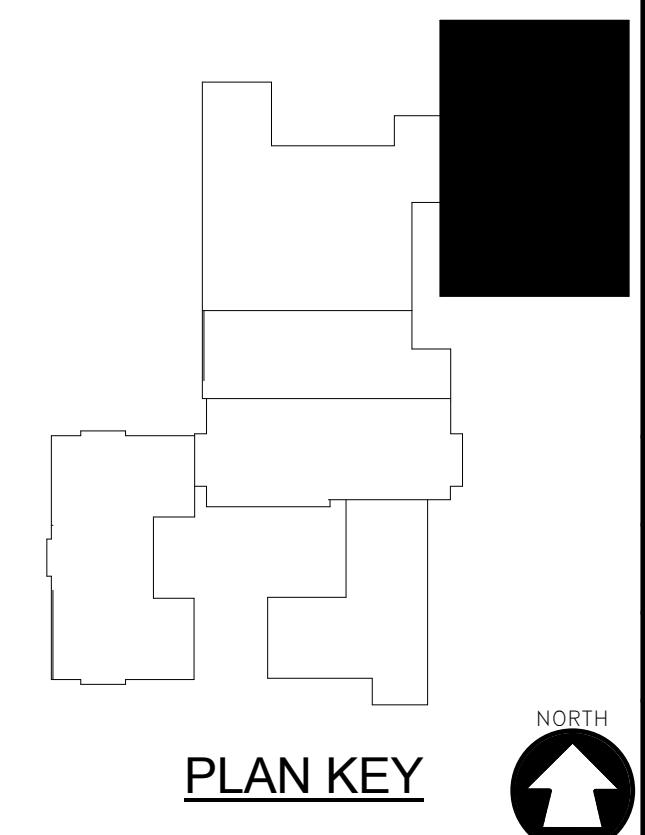
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 LIGHTING PLAN-OCAC NORTH

DESIGNED	DRAWN
CEH	MAL
PROJECT NO. 00002-61600160	
DATE MARCH 3, 2017	
SHEET NO. EL233	

1 LEVEL 790.00 LIGHTING PLAN-JUSTICE CENTER
Scale: 1/8" = 1'-0"



- PLAN NOTES: #
1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED FROM INDICATED CIRCUIT UNLESS NOTED OTHERWISE.
 2. EXISTING LIGHT FIXTURES AND CONTROLS IN THIS AREA SHALL REMAIN.



McMAHON
ENGINEERS ARCHITECTS
Maine P.O. BOX 1025 NEWBATH, VT 05457-1025
Tel: (802) 751-4200 Fax: (802) 751-4284
www.mahon.com

McMahon provides this drawing as instruments of service. All work shall be performed in accordance with the contract documents. The client shall be responsible for obtaining all necessary permits and approvals. McMahon shall not be responsible for any errors or omissions in this drawing. McMahon shall not be responsible for any damage to property or persons resulting from the use of this drawing. McMahon shall not be responsible for any changes made to the original drawing without the written consent of McMahon.

NO.	REVISION

NO.	DATE

NO.	DATE

NO.	DATE

NO.	DATE

NO.	DATE

DESIGNED	DRAWN
CEH	MAL
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	
EL234	

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 LIGHTING PLAN-JUSTICE CENTER



1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED FROM INDICATED CIRCUIT UNLESS NOTED OTHERWISE.
2. EXISTING LIGHT FIXTURES AND CONTROLS IN THIS AREA SHALL REMAIN.

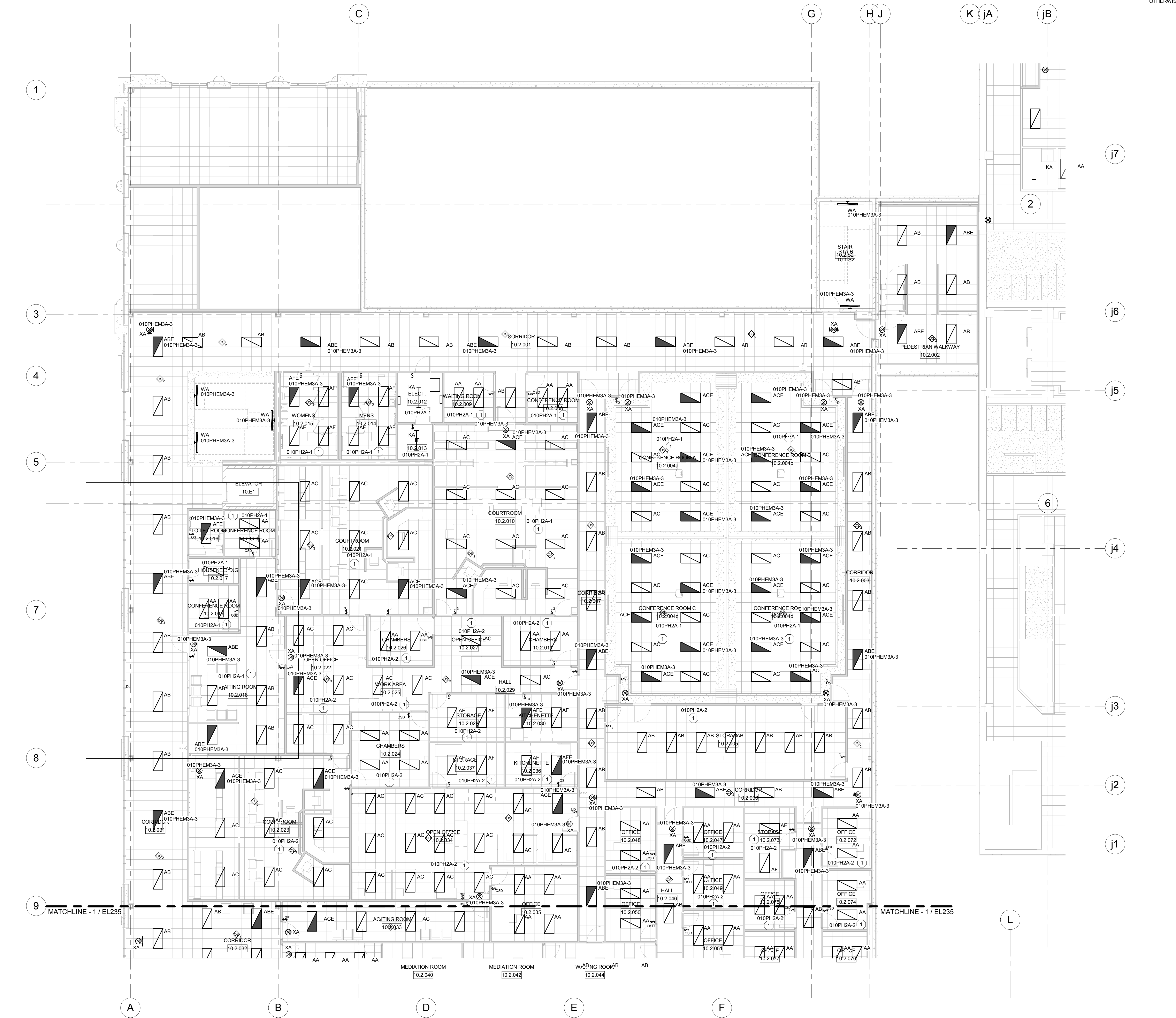
Scale: 1/8" = 1'-0"



McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

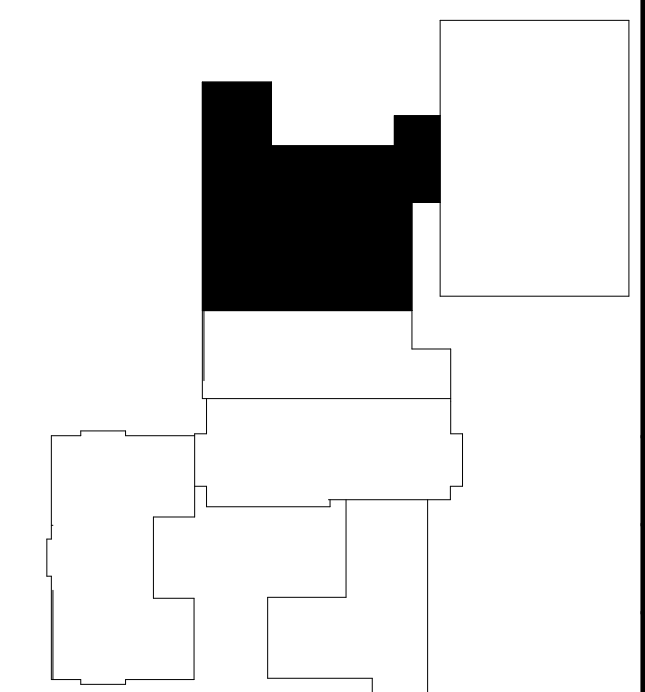
—

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO. EL235	



1 LEVEL 805.00 LIGHTING PLAN-OCAC NORTH
Scale: 1/8" = 1'-0"

PLAN NOTES: #
1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED BY THIS CIRCUIT UNLESS NOTED OTHERWISE.



McMAHON

ENGINEERS ARCHITECTS

1000 N. KENNA RD. SUITE 200
MILWAUKEE, WI 53233
Tel: (414) 751-4200 Fax: (414) 751-4204
www.mahon.com

McMahon provides this drawing as a service to the client. It is not to be used for any other purpose without the written consent of McMahon. The client is responsible for obtaining all necessary permits and approvals. McMahon is not responsible for any errors or omissions in this drawing. The client is responsible for the accuracy of the information provided. McMahon is not responsible for any changes made to the original drawing without the written consent of McMahon.

DESIGNED
CEH

DRAWN
MAL

PROJECT NO.
00002-61600160

DATE
MARCH 3, 2017

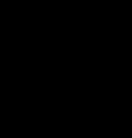
SHEET NO.
EL236

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 LIGHTING PLAN-OCAC NORTH

REVISION
DATE
NO.



1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED FROM INDICATED CIRCUIT UNLESS NOTED OTHERWISE.
2. LIGHT FIXTURE NEAR MONITOR SHALL BE SWITCHED SEPARATELY.



PLAN KEY

NORTH

A black circle containing a white arrow pointing upwards, indicating North.

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEEAH, WI 54956
Mailing: P O BOX 1025 NEEAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

10/31/2024

DATE

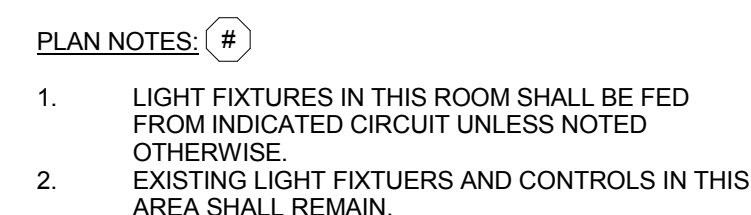
3

ALTERATION / ADDITION

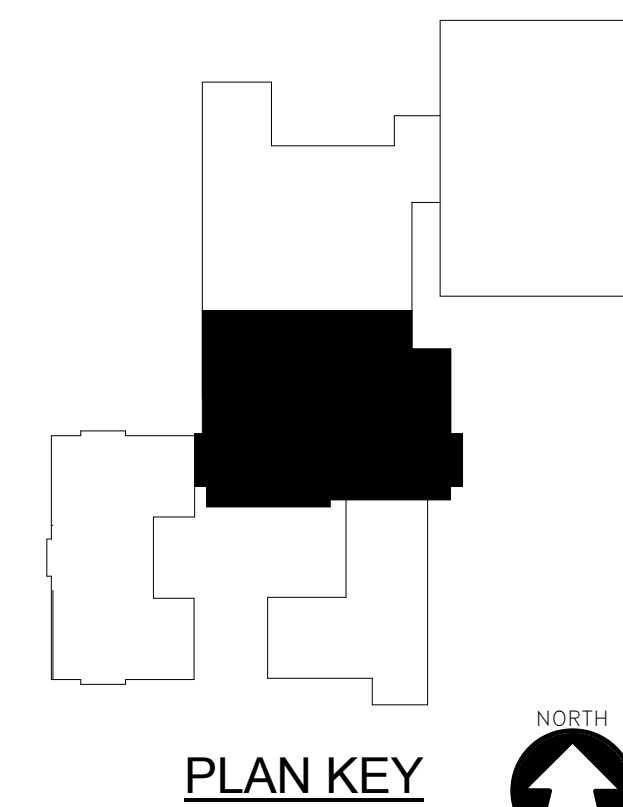
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 LIGHTING PLAN-JUSTICE CENTER

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

EL237



NORTH

A black circle containing a white arrow pointing upwards, indicating North.

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE, NEENAH, WI 54956
Mailing: P O BOX 1025, NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmahon.com

McMahon provides this drawing and data, regardless of form; McMahon retains all rights in the drawing and data, regardless of form; McMahon provides this drawing and data, regardless of form; McMahon retains all rights in the drawing and data, regardless of form;

[illegible]

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

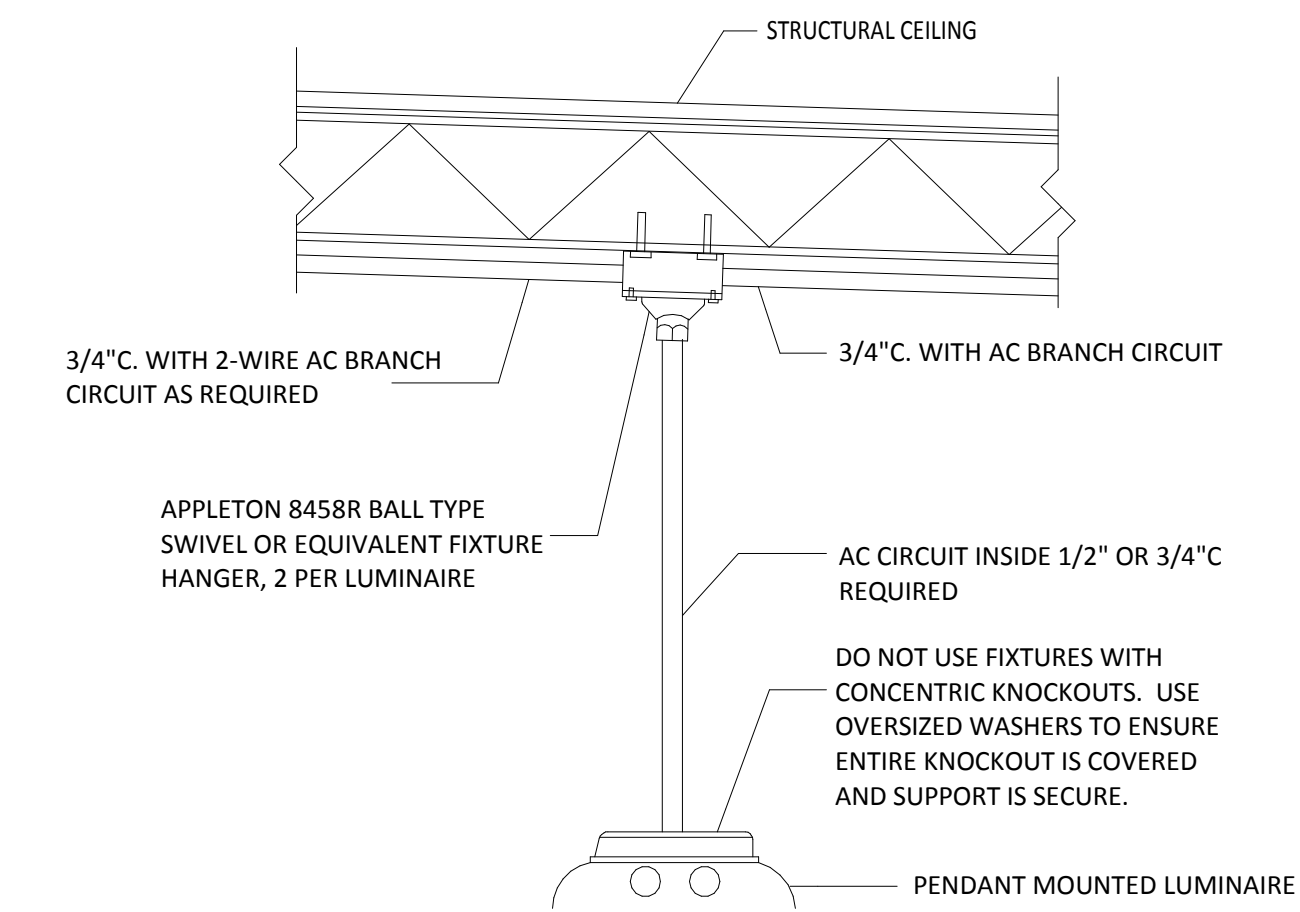
EL238



NORTH

A black circle containing a white arrow pointing upwards, indicating North.

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO. EL239	



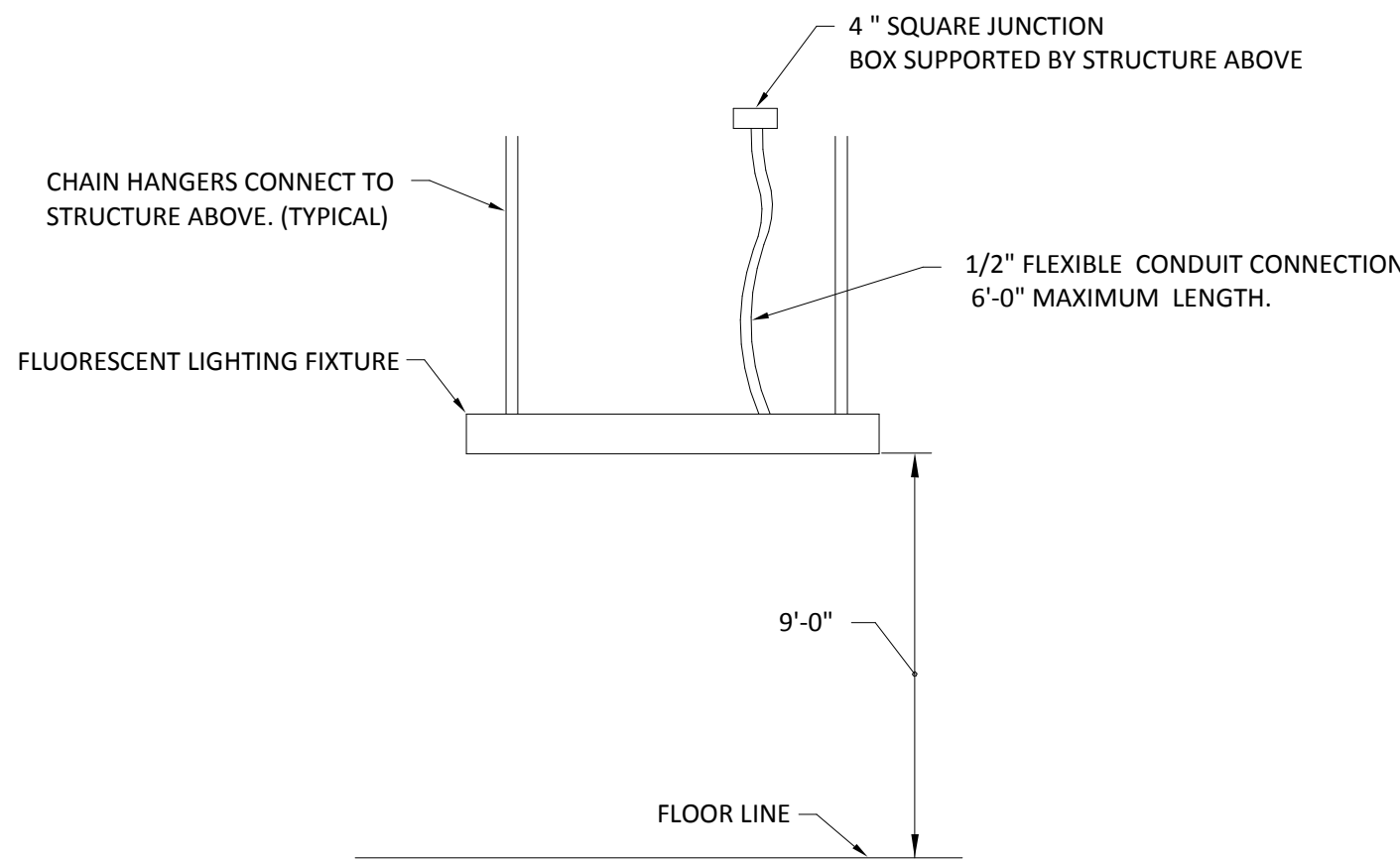
DETAIL NOTES

- CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORT HARDWARE TO MOUNT ALL OF THE THE LIGHT FIXTURES IN THIS PROJECT AT THEIR LOCATIONS SHOWN ON THE DRAWING PLANS.

1

PENDANT MOUNTED FIXTURE DETAIL

Scale: No Scale

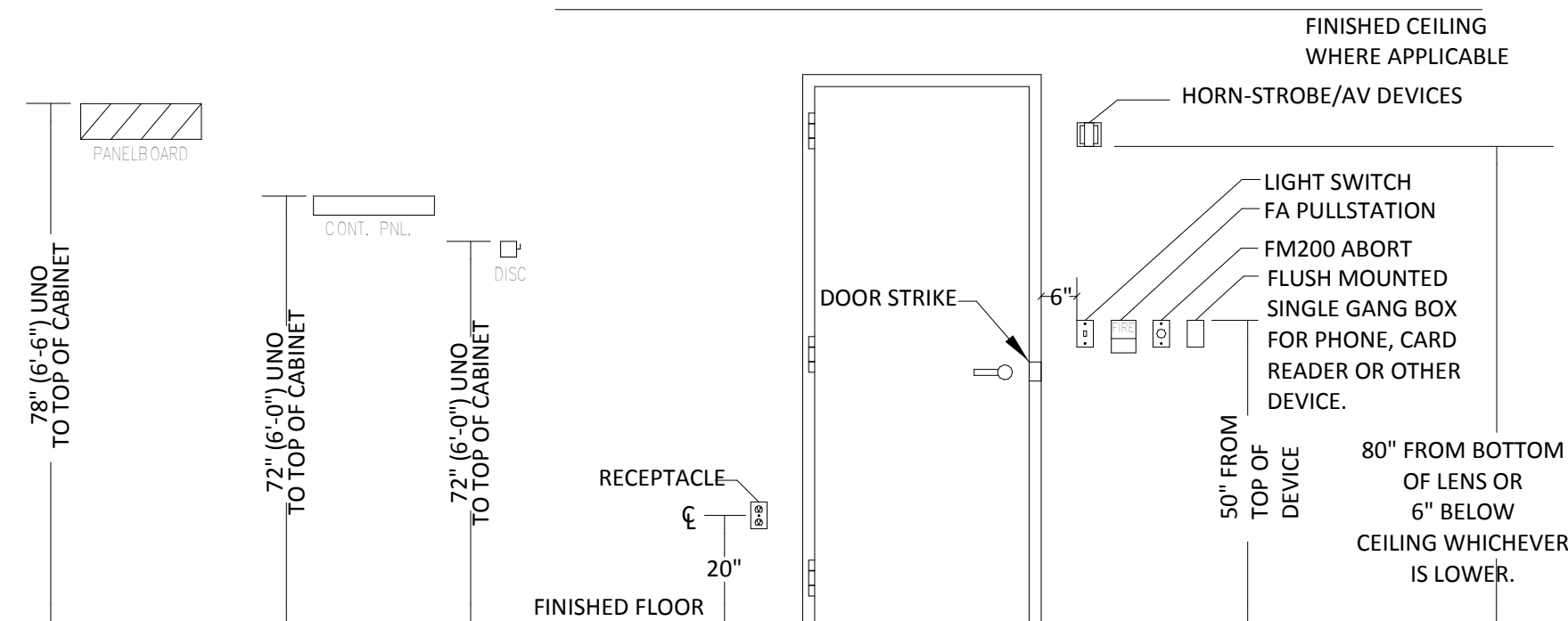


- NOTE :
- CONTRACTOR TO PROVIDE REQUIRED MOUNTING AND SUPPORTING HARDWARE FOR LIGHTING FIXTURES. PROVIDE UNISTRUT FOR MOUNTING UNDER HVAC DUCTWORK OR OTHER OBSTRUCTIONS.

2

SUSPENDED LIGHT FIXTURE DETAIL

Scale: No Scale

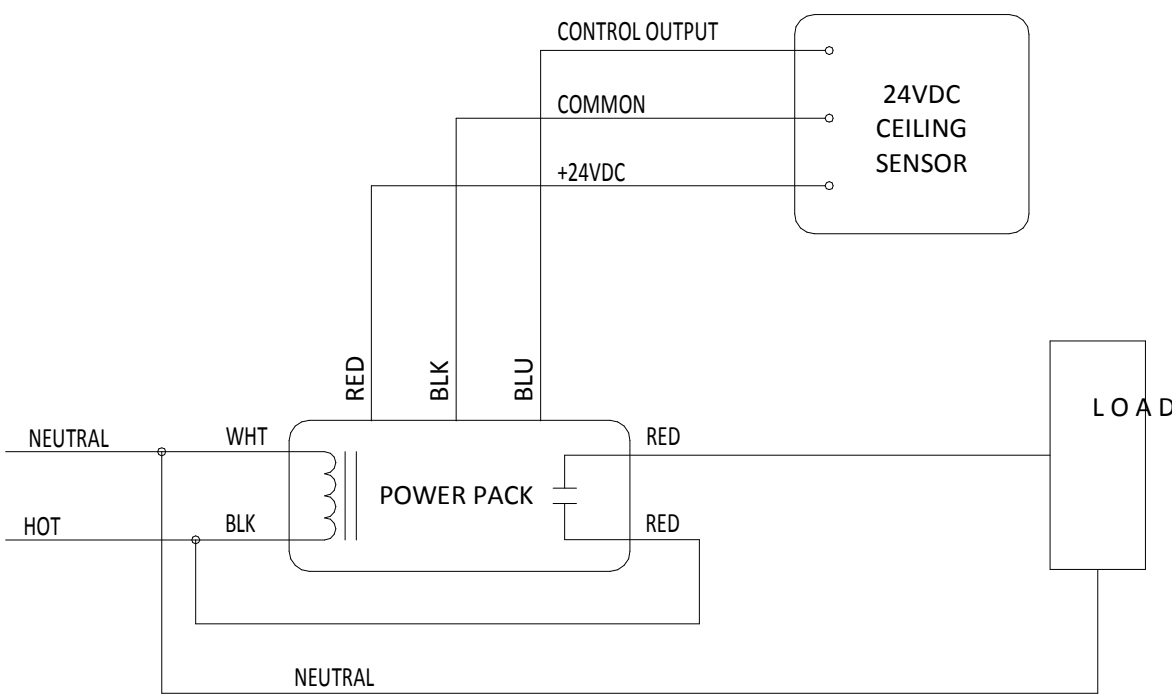


- NOTE:
- OPPOSITE HAND DOOR SWING SIMILAR. SEE ARCHITECTURAL PLAN FOR CORRECT DOOR SWING.
 - ALL DEVICES SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. THEY SHALL BE ALIGNED VERTICALLY AND HORIZONTALLY.
 - SPACING BETWEEN DEVICES SHALL 3 INCHES.

3

MOUNTING DETAIL

Scale: No Scale



NOTES:

- TIME DELAY ON ALL MOTION SENSORS SHALL BE SET TO 30 MINUTES.
- MOUNT AT 9' AFF.

4

OCCUPANCY SENSOR WIRING DIAGRAM

Scale: No Scale

REVISION

DATE

NO.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LIGHTING DETAILS, SHEET 1 OF 1

DESIGNED	DRAWN
CEH	MAL
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

EL701

LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP TYPE	LAMP QTY PER FIXTURE	VOLTAGE	WATTAGE
AA	2'X4' RECESSED TROFFER, DIMMABLE, 6000 LUMENS, 4000K	LITHONIA	2FSL4 60L E21 LP840	LED	1	277 V	52.4
AAE	SAME AS AA EXCEPT POWERED BY GENERATOR	LITHONIA	2FSL4 60L E21 LP840 N80EMG	LED	1	277 V	52.4
AB	2'X4' RECESSED TROFFER, DIMMABLE, 4800 LUMENS, 4000K	LITHONIA	2FSL4 48L E21 LP840	LED	1	277 V	46.6
ABE	SAME AS AB EXCEPT POWERED BY GENERATOR	LITHONIA	2FSL4 48L E21 LP840 N80EMG	LED	1	277 V	46.6
AC	2'X4' RECESSED TROFFER, DIMMABLE, 7200 LUMENS, 4000K	LITHONIA	2FSL4 72L E21 LP840	LED	1	277 V	70.2
ACE	SAME AS AC EXCEPT POWERED BY GENERATOR	LITHONIA	2FSL4 72L E21 LP840 N80EMG	LED	1	277 V	70.2
AD	4' RECESSED LINEAR FIXTURE, 4000K	ALCON LIGHTING	14004-4-45-UNV-40K	LED	1	277 V	45
ADE	SAME AS AD EXCEPT POWERED BY GENERATOR	ALCON LIGHTING	14004-4-45-UNV-40K	LED	1	277 V	45
AF	2'X4' RECESSED TROFFER, 4800 LUMENS, 4000K	LITHONIA	2FSL4 482L E0HN LP840	LED	1	277 V	70.2
AFE	SAME AS AF EXCEPT POWERED BY GENERATOR	LITHONIA	2FSL4 482L E0HN LP840	LED	1	277 V	70.2
D1	6" OPEN LED DOWNLIGHT	LITHONIA	LDN6 40/20 L06 277	LED	1	277 V	35
D1E	SAME AS D1 EXCEPT POWERED BY GENERATOR	LITHONIA	LDN6 40/20 L06 277	LED	1	277 V	35
EX	EXISTING REUSED/RELOCATED FIXTURE					277 V	
EXE	EXISTING REUSED/RELOCATED FIXTURED POWERED BY GENERATOR					277 V	
KA	4' GENERAL PURPOSE STRIP LIGHT	LITHONIA	C 2 32 MVOLT GEB10IS	32W T8	2	277 V	64
KAE	SAME AS KA EXCEPT POWERED BY GENERATOR	LITHONIA	C 2 32 MVOLT GEB10IS	32W T8	2	277 V	64
UA	4' UNDERCABINET LIGHT	LITHONIA	2UC 32 MVOLT GEB10IS	32W T8	1	277 V	32
UB	2' UNDERCABINET LIGHT	LITHONIA	2UC 17 MVOLT GEB10IS	17W T8	1	277 V	17
WA	4' WALL BRACKET	LITHONIA	WC 1 32 MVOLT GEB10IS	32W T8	1	277 V	32
XA	LED EXIT SIGN	LITHONIA	EXR LED M6	LED	1	277 V	0.8

[illegible]

LIGHTING CONTROLS SCHEDULE			
TAG	DESCRIPTION	MANUFACTURER	MODEL
OS1	CEILING MOUNTED OCCUPANCY SENSOR	SENSOR SWITCH	CM PDT 10
OS2	CEILING MOUNTED OCCUPANCY SENSOR	SENSOR SWITCH	CM PDT 11 D
OS3	CEILING MOUNTED OCCUPANCY SENSOR	SENSOR SWITCH	CM PDT 9 D
OSD	SINGLE POLE SWITCH WITH OCCUPANCY SENSOR	SENSOR SWITCH	WSX PDT EZ D

EL811

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LIGHTING CONTROLS SCHEDULE

DESIGNED	DRAWN
CEH	MAL
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

McMahon provides this drawing as an instrument of service. All rights are reserved by McMahon. The client agrees to indemnify and hold McMahon harmless from and against all claims, damages, costs and expenses, including attorney's fees, arising out of or from the use of this drawing, whether or not caused in whole or in part by the negligence of McMahon.

McMAHON
ENGINEERS ARCHITECTS
1025 VERNON AVE., SUITE 200
MILWAUKEE, WI 53233
Tel: (820) 751-4200 Fax: (820) 751-4284
www.mcmahoni.com



PLAN KEY



2 LEVEL 820.00 EM LIGHTING PHOTOMETRIC PLAN-CAB
Scale: 1/8" = 1'-0"



PLAN KEY

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

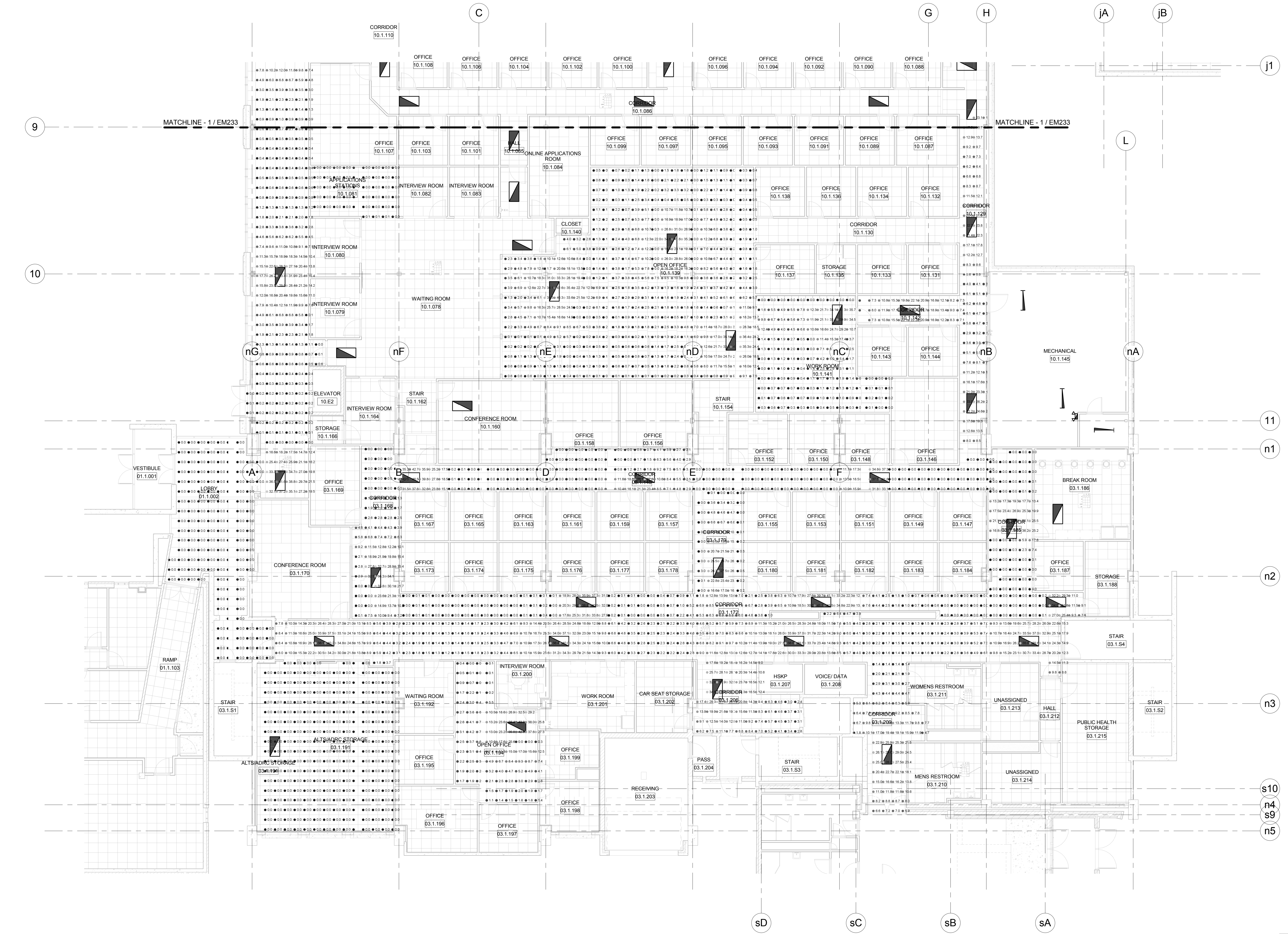
--	--	--	--	--	--

[illegible][illegible]

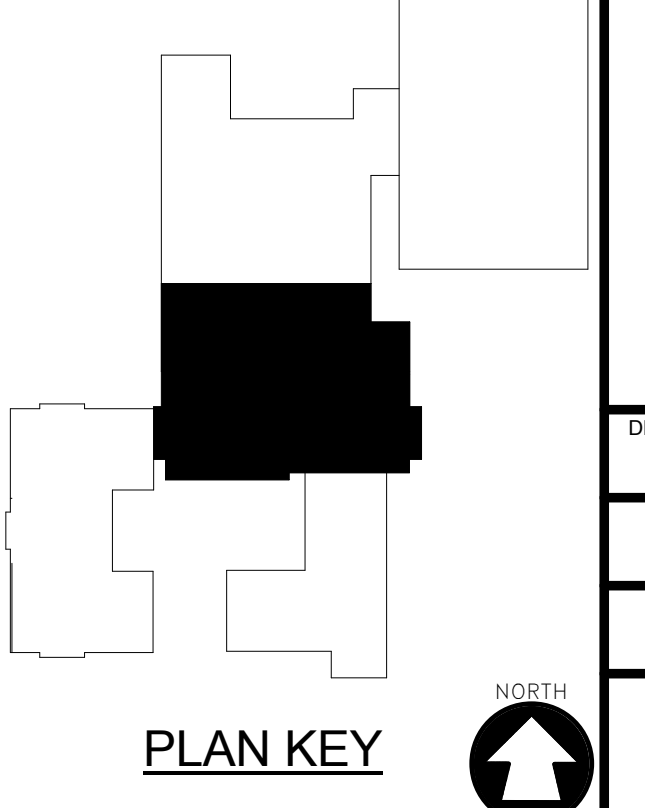
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 / 820.00 EW LIGHTING PHOTOMETRIC PLANS-CAB

DESIGNED CEH	DRAWN MAL
PROJECT NO. 00002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

EM231



1 LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH
Scale: 1/8" = 1'-0"



PLAN KEY

NORTH

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

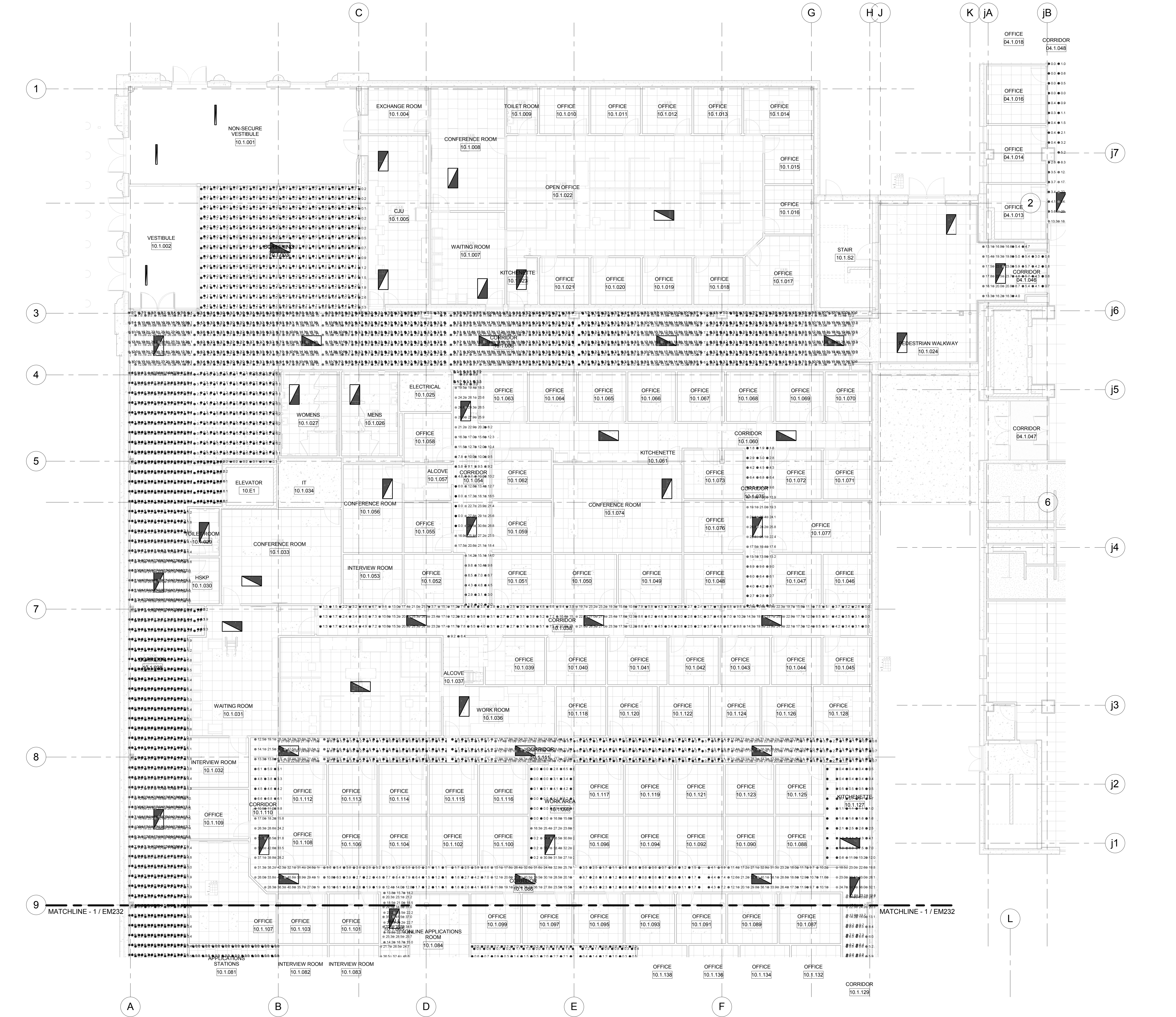
and data, regardless of form; as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

[illegible]

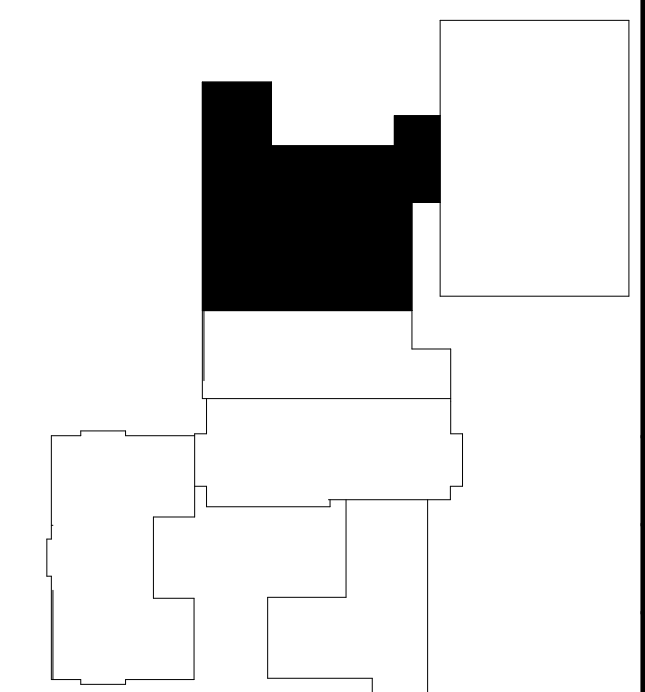
--	--

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO. EM232	



1 LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH
Scale: 1/8" = 1'-0"



McMAHON
ENGINEERS ARCHITECTS
Maine P.O. BOX 1025 NEWBATH, VT 05457-1025
Tel: (820) 751-4200 Fax: (820) 751-4284
www.mhngroup.com

McMahon provides this drawing as an instrument of service. All rights are reserved by McMahon. The client agrees to indemnify McMahon from and hold McMahon harmless from any and all claims, damages, costs and expenses, including reasonable attorneys' fees, arising out of or from the use of this drawing, whether or not such claims, damages, costs and expenses are caused in whole or in part by the negligence of McMahon.

REVISION

DATE

NO.

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER

S. WALNUT & W. 8TH, APPLETON WI 54911

LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH

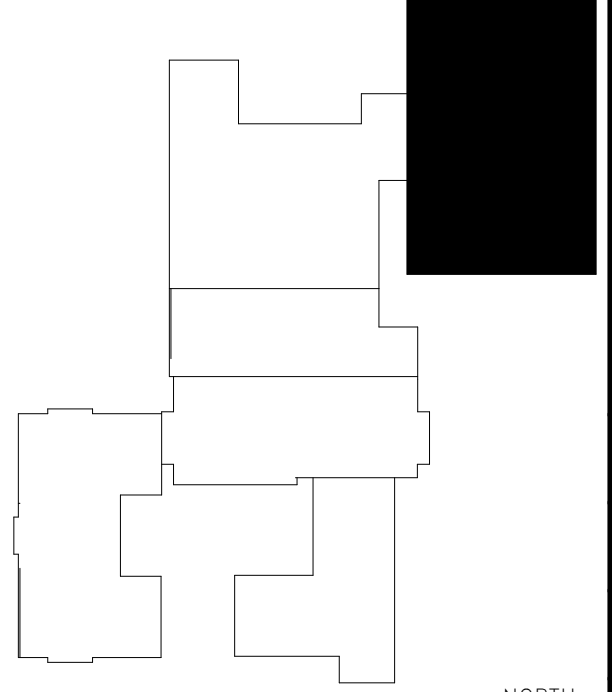
DESIGNED
CEH

DRAWN
MAL

PROJECT NO.
00002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EM233



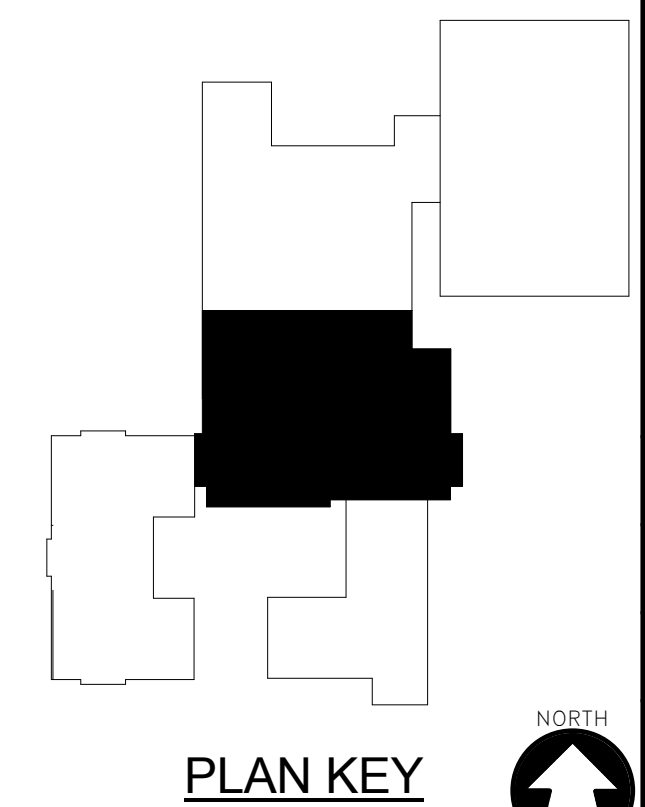
1 LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER
Scale: 1/8" = 1'-0"



ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 EW LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

EM234



1

NORTH

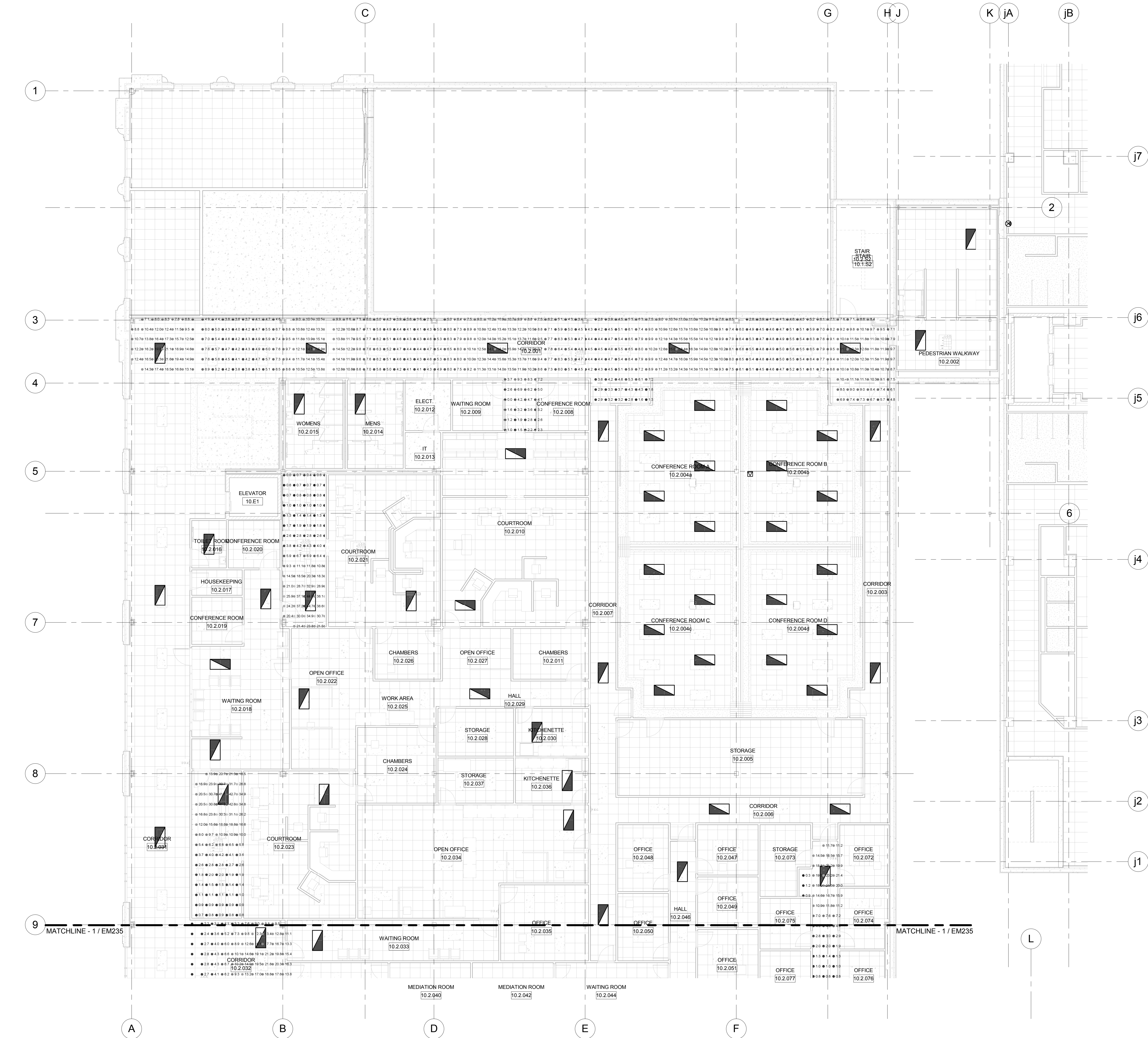
A black circular arrow pointing upwards, indicating North.

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior

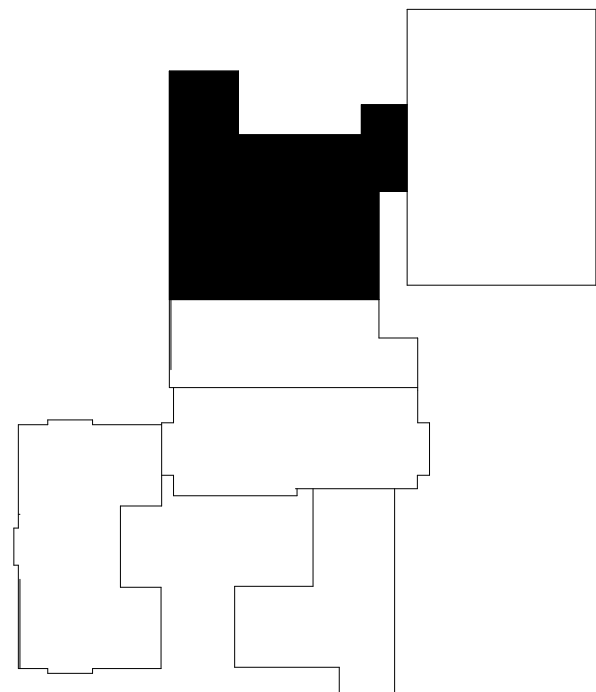
1

1

DESIGNED CEH	DRAWN MAL
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO. EM235	



1 LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH
Scale: 1/8" = 1'-0"



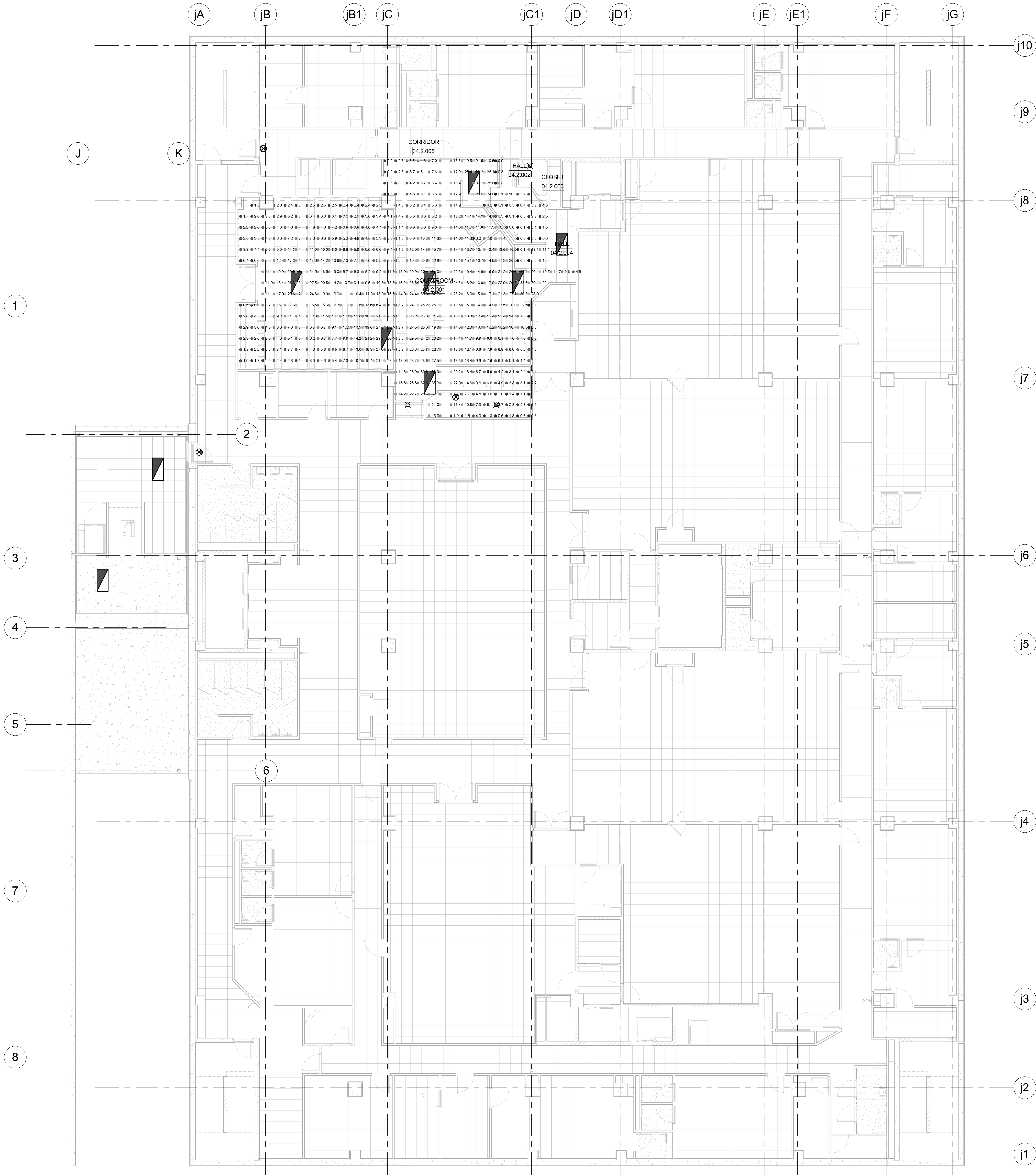
McMahon provides this drawing as instruments of service. All drawings are the property of McMahon. The client agrees to indemnify and hold McMahon harmless from all claims, damages, costs and expenses, including reasonable attorneys' fees, arising from the use of this drawing by the client or any third party. This agreement shall survive the termination or expiration of this contract.

NO.	DATE	REVISION

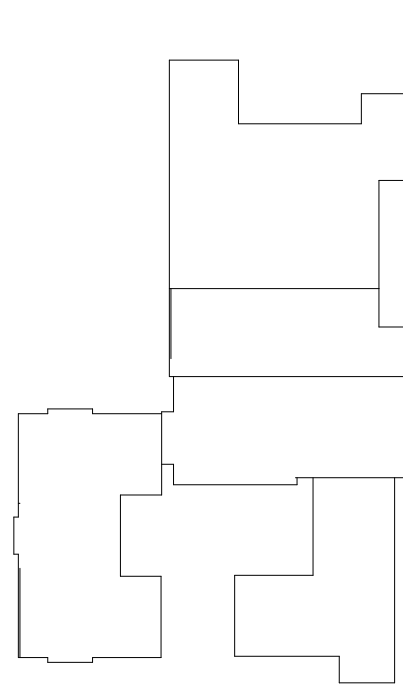
NO.	DATE	REVISION

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH

DESIGNED CEH	DRAWN MAL
PROJECT NO. 00002-61600160	
DATE MARCH 3, 2017	
SHEET NO. EM236	



1 LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER
Scale: 1/8" = 1'-0"

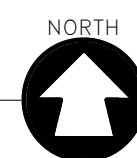


ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER

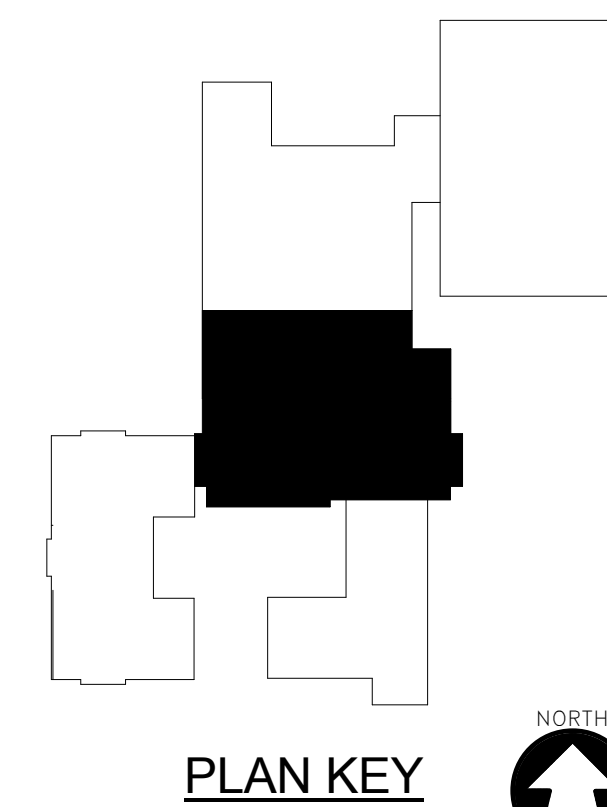
DESIGNED	DRAWN
CEH	MAL
PROJECT NO.	00002-61600160
DATE	MARCH 3, 2017
SHEET NO.	EM237

McMAHON
ENGINEERS ARCHITECTS
1025 VERNON AVE., SUITE 200
MILWAUKEE, WI 53233
Tel: (414) 761-4200 Fax: (414) 761-4284
www.mahon.com

McMahon provides this drawing as a service to the client. It is not to be used for any other purpose without the written consent of McMahon. The client is responsible for obtaining all necessary permits and approvals from the appropriate authorities. McMahon is not responsible for any errors or omissions in this drawing.



1 LEVEL 820.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH
Scale: 1/8" = 1'-0"





COMcheck Software Version 4.0.5.4
Interior Lighting Compliance
Certificate

Section 1: Project Information

Energy Code: 2009 IECC
Project Title:
Project Type: New Construction
Construction Site: Owner/Agent: Designer/Contractor:

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
780 HHS NORTH (Office)	1465	1	1465
780 JUSTICE CENTER (Office)	5581	1	5581
790 CAB (Office)	3847	1	3847
790 OCAC (Office)	43940	1	43940
790 JUSTICE CENTER (Office)	9142	1	9142
805 OCAC (Office)	41159	1	41159
805 JUSTICE CENTER (Office)	2080	1	2080
820 OCAC (Office)	40348	1	40348
820 CAB (Office)	206	1	206
Total Allowed Watts =			147768

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
780 HHS NORTH (Office 1465 sq.ft.)				
LED 1: AA: LED Panel 60W:	1	27	52.2	1409.4
LED 6: WA: LED Panel 33W:	1	1	32	32
780 JUSTICE CENTER (Office 5581 sq.ft.)				
LED 7: AA: LED Panel 60W:	1	10	52.2	522
LED 8: AB: LED Panel 60W:	1	16	52.2	835.2
LED 9: AC: LED Panel 60W:	1	16	52.2	835.2
LED 7 copy 1: AAE: LED Panel 60W:	1	6	52.2	313.2
LED 10: ABE: LED Panel 60W:	1	4	52.2	208.8
LED 11: ACE: LED Panel 60W:	1	13	52.2	678.6
LED 7 copy 2: EX: LED Panel 60W:	1	17	52.2	887.4
790 CAB (Office 3847 sq.ft.)				
LED 13 copy 1: AA: 2x4: LED Panel 60W:	1	21	52.2	1096.2
LED 16 copy 1: ABE: 2x4: LED Panel 60W:	1	8	52.2	417.6
LED 13 copy 2: EX: 2x4: LED Panel 60W:	1	30	52.2	1566
LED 13 copy 3: EXE: 2x4: LED Panel 60W:	1	5	52.2	261
790 OCAC (Office 43940 sq.ft.)				
LED 13: AA: LED Panel 60W:	1	320	52.2	16704
LED 14: AB: LED Panel 60W:	1	164	52.2	8560.8
LED 15: AC: LED Panel 60W:	1	47	52.2	2453.4
LED 16: AAE: LED Panel 60W:	1	4	52.2	208.8
LED 17: ABE: LED Panel 60W:	1	62	52.2	3236.4
LED 18: ACE: LED Panel 60W:	1	8	52.2	417.6

Project Title: Data filename: C:\Users\Aholloway.FAITH1\Desktop\Revit Projects\OCAC\170227_OCAC.cck Report date: 02/27/17 Page 1 of 3

LED 19: KA: LED Panel 33W:	1	7	32	224
LED 19 copy 1: KAE: LED Panel 33W:	1	2	32	64
LED 20 copy 1: AD: LED Panel 33W:	1	12	34	408
790 JUSTICE CENTER (Office 9142 sq.ft.)				
LED 21: AA: LED Panel 60W:	1	87	52.2	4541.4
LED 21 copy 1: AB: LED Panel 60W:	1	14	52.2	730.8
LED 21 copy 2: AC: LED Panel 60W:	1	22	52.2	1148.4
LED 21 copy 3: ABE: LED Panel 60W:	1	10	52.2	522
LED 21 copy 4: ACE: LED Panel 60W:	1	3	52.2	156.6
805 OCAC (Office 41159 sq.ft.)				
LED 13 copy 1: AA: LED Panel 60W:	1	210	52.2	10962
LED 14 copy 1: AB: LED Panel 60W:	1	137	52.2	7151.4
LED 15 copy 1: AC: LED Panel 60W:	1	86	52.2	4489.2
LED 16 copy 1: AAE: LED Panel 60W:	1	3	52.2	156.6
LED 17 copy 1: ABE: LED Panel 60W:	1	52	52.2	2714.4
LED 18 copy 1: ACE: LED Panel 60W:	1	32	52.2	1670.4
LED 19 copy 1: KA: LED Panel 33W:	1	8	32	256
LED 19 copy 2: KAE: LED Panel 33W:	1	1	32	32
LED 20 copy 1: WA: LED Panel 33W:	1	5	32	160
805 JUSTICE CENTER (Office 2080 sq.ft.)				
LED 15 copy 2: AC: LED Panel 60W:	1	21	52.2	1096.2
LED 17 copy 2: ABE: LED Panel 60W:	1	8	52.2	417.6
820 OCAC (Office 40348 sq.ft.)				
LED 13 copy 2: AA: LED Panel 60W:	1	359	52.2	18739.8
LED 14 copy 2: AB: LED Panel 60W:	1	125	52.2	6525
LED 15 copy 2: AC: LED Panel 60W:	1	37	52.2	1931.4
LED 16 copy 2: AAE: LED Panel 60W:	1	3	52.2	156.6
LED 17 copy 2: ABE: LED Panel 60W:	1	57	52.2	2975.4
LED 18 copy 2: ACE: LED Panel 60W:	1	2	52.2	104.4
LED 19 copy 2: KA: LED Panel 33W:	1	8	32	256
LED 19 copy 3: KAE: LED Panel 33W:	1	1	32	32
LED 20 copy 2: WA: LED Panel 33W:	1	2	32	64
820 CAB (Office 206 sq.ft.)				
LED 13 copy 3: AA: LED Panel 60W:	1	5	52.2	261
LED 13 copy 4: D1: RECESSED CAN: LED Panel 60W:	1	5	35	175
Total Proposed Watts =				108765

Section 4: Requirements Checklist

Interior Lighting PASSES: Design 26% better than code.

- Lighting Wattage:
1. Total proposed watts must be less than or equal to total allowed watts.
- | Allowed Watts | Proposed Watts | Complies |
|---------------|----------------|----------|
| 147768 | 108765 | YES |
- Controls, Switching, and Wiring:
2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
3. Daylight zones have individual lighting controls independent from that of the general area lighting.
- Exceptions:
- Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
- Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.
4. Independent controls for each space (switch/occupancy sensor).
- Exceptions:
- Areas designated as security or emergency areas that must be continuously illuminated.
- Lighting in stairways or corridors that are elements of the means of egress.

Project Title: Data filename: C:\Users\Aholloway.FAITH1\Desktop\Revit Projects\OCAC\170227_OCAC.cck Report date: 02/27/17 Page 2 of 3

5. Master switch at entry to hotel/motel guest room.
6. Individual dwelling units separately metered.
7. Medical task lighting or arthistory display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.
- Exceptions:
- Only one luminaire in space.
- An occupant-sensing device controls the area.
- The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
- Areas that use less than 0.6 Watts/sq.ft.
9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.
- Exceptions:
- Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.
10. Photocell/astronomical time switch on exterior lights.
- Exceptions:
- Lighting intended for 24 hour use.
11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).
- Exceptions:
- Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Version 4.0.5.4 and to comply with the mandatory requirements in the Requirements Checklist.

Emeka Okemuo - Elect Engr. Emeka Okemuo 2/27/2017
Name - Title Signature Date

Project Title: Data filename: C:\Users\Aholloway.FAITH1\Desktop\Revit Projects\OCAC\170227_OCAC.cck Report date: 02/27/17 Page 3 of 3