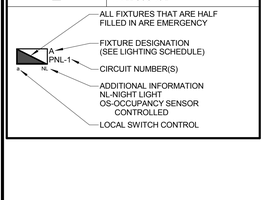
3/30/2017 10:31:42 AM

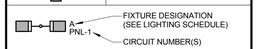
LIGHTING SYMBOLS

	1'X4' FIXTURE
	1'X8' FIXTURE
	2'X2' FIXTURE
	2'X4' FIXTURE
	2'X4' HIGH BAY FIXTURE
	CEILING FAN
	CEILING MOUNTED
	CHANDELIER
	DOCK SWING ARM
	EMERGENCY, 2 HEAD WITH BATTERY PACK
	EMERGENCY, BATTERY PACK FOR REMOTE HEADS
	EMERGENCY, REMOTE LIGHT
	EXIT, SHADED AREA INDICATES SIDE WITH EXIT TEXT, ARROW INDICATED DIRECTION OF EXIT PATH
	HANGING BOWL
	HIGH BAY
	RECESSED CAN
	RECESSED CAN DIRECTIONAL
	STRIP
	TRACK
	TRACK HEAD
	UNDERCABINET
	WALL MOUNT
	WALL MOUNT, LINEAR
	WALL MOUNT SWING ARM
	WALL PACK
	WALL SCONCE



SITE LIGHTING SYMBOLS

	GROUND FLOOD LIGHT
	GROUND SPOT/POLE LIGHT
	BOLLARD
	POLE LIGHT, SINGLE
	POLE LIGHT, DOUBLE
	POLE LIGHT, TRIPLE
	POLE LIGHT, QUAD



LIGHTING CONTROLS SYMBOLS

$	SWITCH
$LW	LIGHTING CONTROL
OS	OCCUPANCY SENSOR
LC	LIGHTING CONTACTOR
PC	PHOTO CELL
TC	LIGHTING TIME CLOCK
†VW	LOW VOLTAGE CONTROL/OVERRIDE
LCP	LIGHTING CONTROL PANEL
PP	POWER PACK
DL	DAYLIGHT SENSOR
UL924	UL924 DEVICE

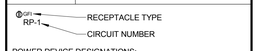


LIGHTING CONTROLS DEVICE DESIGNATIONS:

3	THREE WAY
4	FOUR WAY
DPT	DIGITAL PROGRAMMABLE TIMER
FS	FAN SPEED CONTROL
OS	OCCUPANCY SENSOR
OSD	OCCUPANCY SENSOR DUAL TECHNOLOGY
PIR	OCCUPANCY SENSOR PASSIVE INFRARED
US	OCCUPANCY SENSOR ULTRASONIC
PL	PILOT LIGHT / ILLUMINATED SWITCH
B#	SWITCH BANK
C#	MULTIPLE CONTROLS IN SINGLE GANG BOX
D#	DIMMER
L#	LIGHTING CONTROL STATION
M#	MOTOR/FAN SPEED CONTROL
O#	OCCUPANCY SENSOR
S#	SWITCH
T#	TIMER MECHANICAL/DIGITAL
V#	LOW VOLTAGE
W#	WIRELESS CONTROL

POWER SYMBOLS

	RECEPTACLE, SINGLE
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX, ABOVE COUNTER
	RECEPTACLE, DUPLEX, FLOOR
	RECEPTACLE, DUPLEX, SWITCHED
	RECEPTACLE, DOUBLE DUPLEX
	RECEPTACLE, DOUBLE DUPLEX, FLOOR
	RECEPTACLE, DUPLEX, EMERGENCY
	RECEPTACLE, DOUBLE DUPLEX, EMERGENCY
	RECEPTACLE, DUPLEX, HOSPITAL GRADE
	RECEPTACLE, DOUBLE DUPLEX, HOSPITAL GRADE
	RECEPTACLE, DUPLEX, HOSPITAL GRADE, EMERGENCY
	RECEPTACLE, DOUBLE DUPLEX, HOSPITAL GRADE, EMERGENCY
	EQUIPMENT CONNECTION
	SPECIAL RECEPTACLE
PP	POWER POLE
FF	FURNITURE FEED
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	STARTER
	STARTER WITH DISCONNECT
	ENCLOSED CIRCUIT BREAKER
	MANUAL MOTOR STARTER
	J-BOX
	MOTOR
	SINGLE PUSH BUTTON
	TRIPLE PUSH BUTTON
	BELL
	BUZZER
	DISTRIBUTION BOX
	EXHAUST FAN/LIGHT COMBO
	EXHAUST FAN
	THERMOSTAT
	TRANSFORMER
	UTILITY METER W/SERVICE WEATHER-HEAD
	PANEL

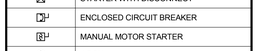


POWER DEVICE DESIGNATIONS:

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

TELECOMMUNICATION SYMBOLS

	DATA JACK
	DATA FLOOR JACK
	DATA/VOICE FLOOR JACK
	DATA/VOICE JACK
	DATA/VOICE JACK, ABOVE COUNTER
	VOICE JACK
W	WALL PHONE
AP	WIRELESS ACCESS POINT
C	DATA CEILING JACK
C	DATA/VOICE CEILING JACK
DP	DATA POLE
	COILED IN CEILING
	DATA RACK
	WALL CLOCK
	SPEAKER
	HORN SPEAKER
VC	VOLUME CONTROL
INTER	INTERCOM CONTROL PANEL
	TELEVISION
	AUDIO/VIDEO
HH	HAND HOLE



TELECOMMUNICATIONS DEVICE DESIGNATIONS:

C	CEILING MOUNTED
ER	EQUIPMENT ROOM
EX	EXISTING
IDF	INTERMEDIATE DISTRIBUTION FRAME
MDF	MAIN DISTRIBUTION FRAME
TGP	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
WP	WATER PROOF

SECURITY SYMBOLS

ACP	ACCESS CONTROL PANEL
DEP	DOOR ENTRY PANEL
ACP	ACCESS CONTROL PUSH BUTTON
	AUTOMATIC DOOR OPERATOR
CR	CARD READER
CRM	CARD READER MULLION MOUNTED
CHXT	DELAYED EGRESS CRASH BAR
DC	DOOR CONTACT
DR	DURESS RECEIVER
DT	DURESS TRANSPONDER
ELR	ELECTRIC LATCH RETRACTION
EL	ELECTRIC LOCKSET
ES	ELECTRIC STRIKE
ET	ELECTRIC TRIM
	EMERGENCY EXIT BUTTON
GB	GLASS BREAK DETECTOR
KP	KEYPAD
LBM	LATCH BOLT MONITOR
ML	MAGNETIC LOCK
MD	MOTION DETECTOR
NVR	NETWORK VIDEO RECORDER
OHDC	OVERHEAD DOOR CONTACT
PTH	POWER TRANSFER HINGE
REX	REQUEST TO EXIT
RF	RF READER
SPS	SECURITY POWER SUPPLY
WGS	WANDER GUARD SENSOR
WGK	WANDER GUARD KEYPAD
CAM	CAMERA A: 1MP CAMERA CAMERA B: 5MP INDOOR/OUTDOOR CAMERA
	CAMERA C: 360° INDOOR/OUTDOOR CAMERA

FIRE ALARM SYMBOLS

FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
NAC	NOTIFICATION APPLIANCE CIRCUIT PANEL
AMP	FIRE ALARM AMP
S	STROBE
S	HORN / STROBE
H	HORN
H WP	HORN WATER PROOF
S	SPEAKER / STROBE
S	SPEAKER
P	PULL STATION
M	MONITOR MODULE
M	RELAY MODULE
TS	TAMPER SWITCH
FS	FLOW SWITCH
LS	LOW PRESSURE SWITCH
LF	SMOKE DETECTOR
	SMOKE DETECTOR, WALL MOUNTED
LF 120V	SMOKE DETECTOR, LV
LF 120V	SMOKE DETECTOR, LV, SOUNDER BASE
LF 120V	SMOKE DETECTOR, LV, SOUNDER BASE, STROBE
H	HEAT DETECTOR
DH	DOOR HOLDER
B	BELL
RT	REMOTE TEST STATION
R	CONTROL RELAY - SMOKE DAMPER
FF	FIREFIGHTER PHONE JACK
FF	FIREFIGHTER HANDSET

FIRE ALARM DEVICE DESIGNATIONS:

FACP	FIRE ALARM CONTROL PANEL
SMCP	SMOKE CONTROL PANEL
GAP	GENERATOR ANNUNCIATOR PANEL
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

NURSE CALL SYMBOLS

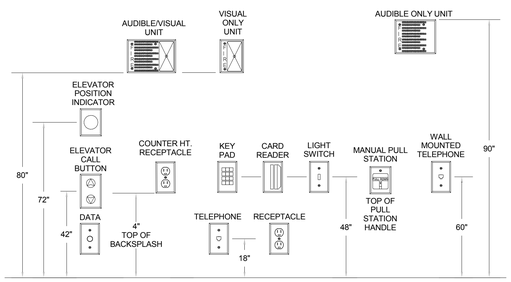
AA	AUXILIARY ALARM
BS	BEDSIDE STATION
CB	CODE BLUE
DL	DOME LIGHT
DLC	DOMELESS CONTROLLER
DS	DUTY STATION
IR	IR SENSOR
MS	MASTER CONSOLE STATION
NCA	NURSE CALL ANNUNCIATOR
NPS	NURSE CALL POWER SUPPLY
	NURSE CALL PUSH BUTTON
PC	PULL CORD
RF	RF SENSOR
ST	STAFF TERMINAL
ZL	ZONE LIGHT

AREA OF RESCUE SYMBOLS

AORAP	AREA OF RESCUE ANNUNCIATOR PANEL
AOR	AREA OF RESCUE
ARC	AREA OF RESCUE CALL STATION
AROP	AREA OF RESCUE CONTROL PANEL
DKEP	DOOR KING ENTRY PANEL
MB	MEDIA BOX

GENERAL ABBREVIATIONS

AC	ABOVE COUNTER	LF	LOW FREQUENCY
ADO	AUTOMATIC DOOR OPENER	LOAD	LOAD
AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
AFG	ABOVE FINISHED GRADE	LPNL	LOW VOLTAGE PANEL
AHU	AIR HANDLING UNIT	LTPU	LONG TIME PICK UP
AWG	AMERICAN WIRE GAGE	LTS	LIGHTS
BC	BARE COPPER	LTD	LONG TIME DELAY
BD	BUS DUCT	MAU	MAKE-UP AIR UNIT
BDHV	BUS DUCT HIGH VOLTAGE	MB	MAIN BREAKER
BDLV	BUS DUCT LOW VOLTAGE	MCC	MOTOR CONTROL CENTER
BDSC	BREAKER DISCONNECT	MDP	MAIN DISTRIBUTION PANEL
C	CONDUIT OR CEILING	MET	METER
CAP	CAPACITOR BANK	MICRO	MICROWAVE
CB	CIRCUIT BREAKER	ML	MAIN LUG
CKT	CIRCUIT	MLO	MAIN LUG ONLY
CCTV	CLOSED CIRCUIT TV	MTD	MOUNTED
CLG	CEILING	MTR	MOTOR
CNT	CONTACTOR	N	NORTH
COND	CONDUIT	NFSS	NON-FUSED SAFETY SWITCH
CP	CONTROL PANEL	OHD	OVERHEAD DOOR
DB	DIRECT BURIAL OR DRAWOUT BREAKER	OL	OVERLOAD
DSC	DISCONNECT	P	POLE
DV	DRIVE	PB	PULL BOX OR PUSH BUTTON
DW	DISHWASHER	PH	PHASE
E	EAST	PLBG	PLUMBING
EC	EMPTY CONDUIT OR ELECTRICAL CONTRACTOR	PNL	ELECTRICAL PANEL OR PANEL BOARD
		POD	POWER OPERATED DAMPER
EDH	ELECTRIC DUCT HEATER	PWR	POWER
EF	EXHAUST FAN	REC	RECEPTACLE
EG	EQUIPMENT GROUND	REF	REFRIGERATOR
ELEC	ELECTRIC	RG	RANGE
EM	EMERGENCY	RH	RANGE HOOD
ETR	EXISTING TO REMAIN	RLY	RELAY
EWC	ELECTRIC WATER COOLER	RTU	ROOF TOP UNIT
EX	EXISTING	S	SOUTH
FA	FIRE ALARM	SS	SAFETY SWITCH
FAAP	FIRE ALARM ANNUNCIATOR PANEL	STA	STATION
FB	FUSE BLOCK	STD	SHORT TIME DELAY
FCU	FAN COIL UNIT	STPU	SHORT TIME DELAY
FDSC	FUSED DISCONNECT	STR	STARTER
FXT	FIXTURE	SWBD	SWITCH BOARD
FL	FLUORESCENT	SWGR	SWITCH GEAR
FSS	FUSED SAFETY SWITCH	TEL	TELEPHONE
FTU	FAN TERMINAL UNIT	THS	TOP HALF SWITCH
FU	FUSE	TV	TELEVISION
G,GND	GROUND	TYP	TYPICAL
GC	GENERAL CONTRACTOR	TR	TAMPER RESISTANT
GEN	GENERATOR	UH	UNIT HEATER
GFD	GROUND FAULT DELAY	UNO	UNLESS NOTED OTHERWISE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
GFPU	GROUND FAULT PICK UP	UT	UTILITY
HGT	MOUNTING HEIGHT	V	VOLTAGE
HP	HORSE POWER	W	WEST
HPNL	HIGH VOLTAGE PANEL	WG	WIRE GUARD
HV	HIGH VOLTAGE	WR	WEATHER RESISTANT
HVAC	HEATING AND VENTILLATION	WT	WATER TIGHT
INCAND	INCANDESCENT	WW	WIREWAY
INST	INSTANTANEOUS	XFAN	EXHAUST FAN
JB	JUNCTION BOX	XFER	TRANSFER SWITCH
L	LOWER	XFMR	TRANSFORMER
LCNT	LIGHTING CONTACTOR		



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.

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8911 Milwaukee (414) 755-4505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information herein "as is" as instrument of service. All rights including copyrights are reserved by McMahon. Recipient and/or recipient agrees to the indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or media without written approval.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

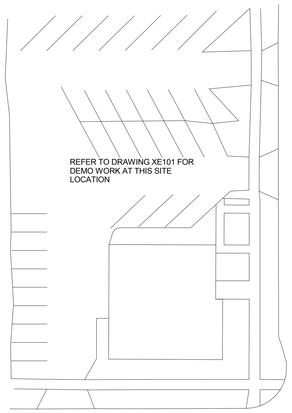
PROJECT NO.
O0002-61600160

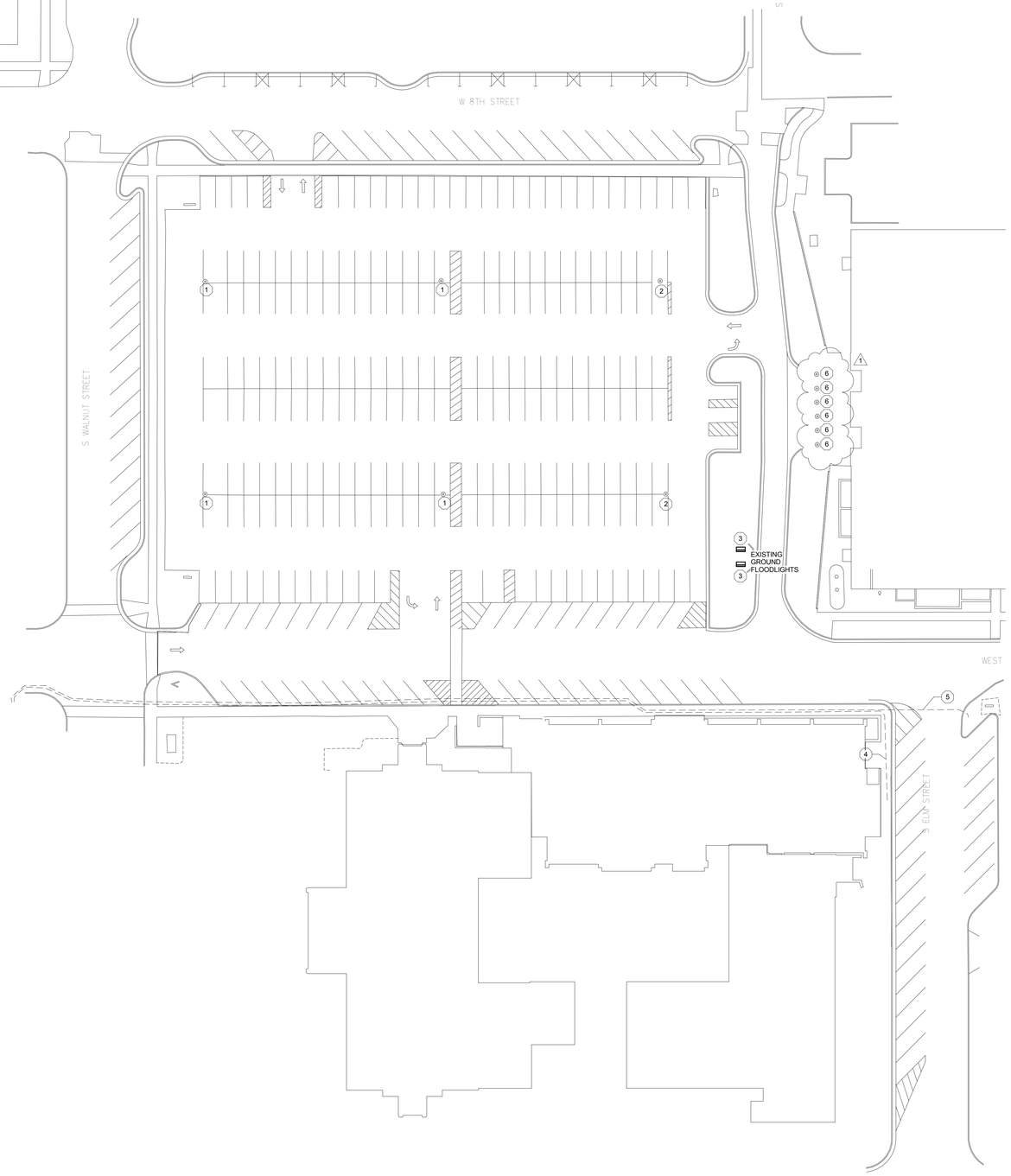
DATE
MARCH 3, 2017

SHEET NO.
EA002

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:31:44 AM





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 26 05 01.00.

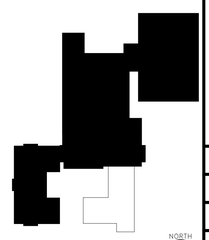
3. EXISTING TWO (2) GROUND MOUNTED FLAG POLE FLOOD LIGHT FIXTURES AND CONCRETE BASES ARE TO BE COMPLETELY REMOVED. DELIVER FIXTURES TO OWNER STORAGE LOCATION AS PER SPECIFICATION SECTION 26 05 01.00

4. EXISTING UNDERGROUND 4160 VOLT, 3 PHASE ELECTRICAL SERVICE TO HHS-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.

1 6. EXISTING SECURITY BOLLARD TO BE REMOVED. ELECTRICAL CONTRACTOR TO DISCONNECT WIRING.

1 SITE ELECTRICAL DEMOLITION PLAN
Scale: 1" = 30'-0"



PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: P.O. BOX 1454 NEENAH, WI 54957-1454
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design concepts for your use as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: 1) drawings are not to be used on any other project, 2) to indemnify and hold McMahon harmless from any reuse of the drawings or design concepts without the written consent of McMahon, 3) any changes made to the original drawing or data will void all warranties and release McMahon

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
JMM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ED101

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:31:47 AM

GENERAL NOTES:

A. REMOVE, SALVAGE, REINSTALL EXISTING LIGHTING, RECEPTACLES/DEVICES CURRENTLY LOCATED IN AREA WHICH IS SCHEDULED FOR REMODEL. EXTEND EXISTING, PROVIDE NEW AS REQUIRED TO INCLUDE CONDUIT AND WIRING IF EXISTING IS NOT CODE COMPLIANT UPON INSTALLATION. LOCATED WITHIN OR PASSING THROUGH, SURFACE MOUNTED, RECESSED, CONCEALED OR EXPOSED DUE TO WORK (SAW CUTTING FLOOR) REQUIRED FOR EXISTING LOBBY 01.1.002 AND THE ADDITION OF CORRIDOR 03.1.216.

PLAN NOTES: (#)

1. EXISTING WATER HEATER (WH-1), SHALL BE DISCONNECTED AND RELOCATED TO OCAC LEVEL 820.00. DISCONNECT FROM EXISTING, RECONNECT FROM NEW PANEL LOCATION. REUSE EXISTING DISCONNECTING MEANS AND CONTROLLER. REMOVE EXISTING CONDUIT AND WIRING BACK TO POINT OF ORIGIN. PROVIDE NEW AS INDICATED ON DWG EP238.

2. EXISTING TO REMAIN, MAINTAIN CONTINUITY OF ALL EXISTING WHICH WILL REMAIN OR PORTIONS THEREOF AFFECTED BY NEW WORK.

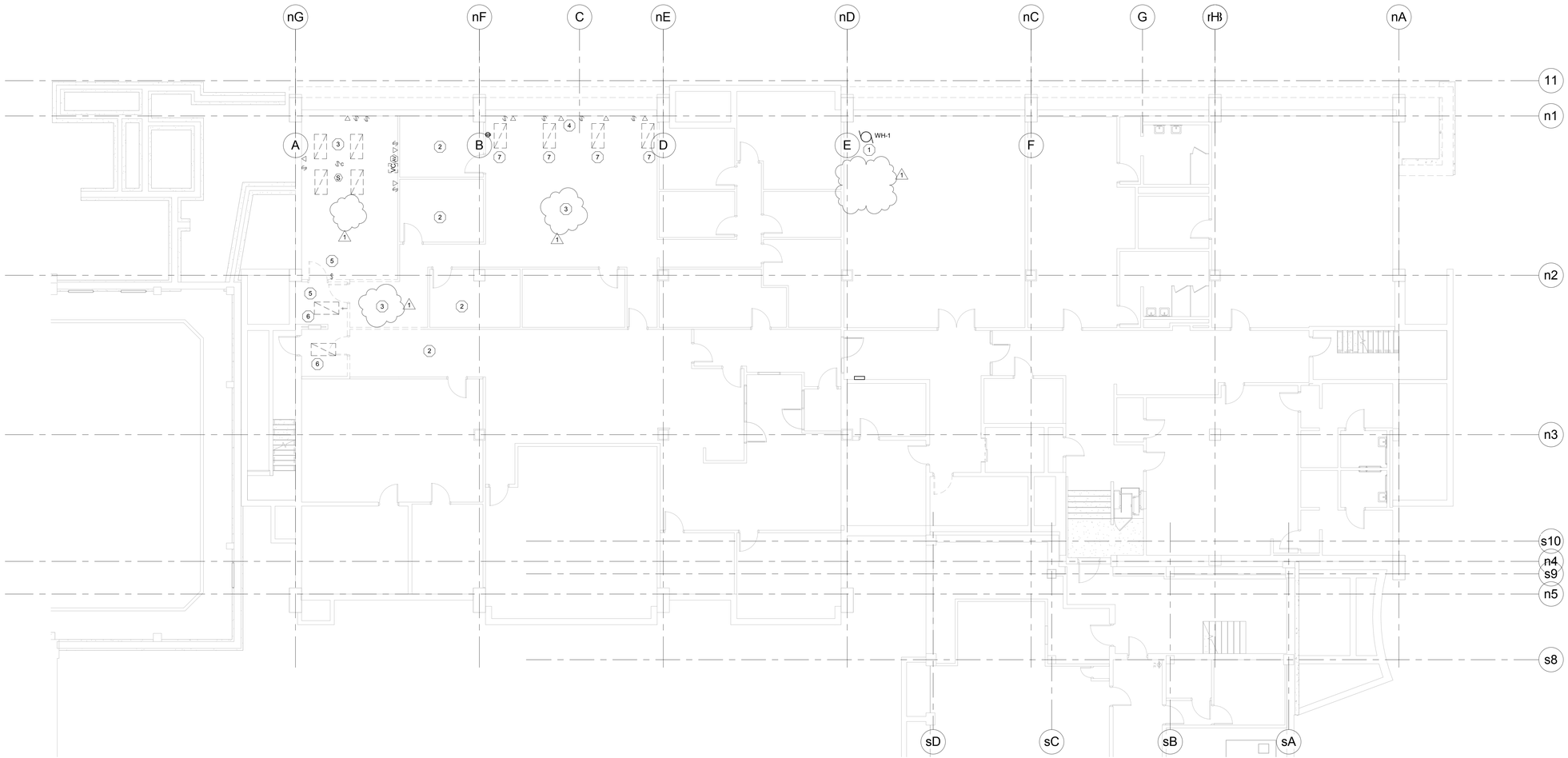
3. EXISTING ITEMS SUCH AS LUMINAIRES, PROJECTOR, VOLUME CONTROL, SPEAKER, DATA, AV CONNECTIONS FOR PROJECTOR, AND ITS ASSOCIATED COMPONENTS. SHALL BE RELOCATED AND REINSTALLED IN ITS CURRENT WORKING CONDITION.

4. EXISTING WALL MOUNTED WIREMOLD (PLUGMOLD) AND WIRING REMOVED AND DISCARDED. EXISTING CIRCUITING EXTENDED TO NEW WALL LOCATION FOR NEW RECEPTACLES. EXISTING DATA/SYSTEMS DROPS REMOVED AND RELOCATED NEXT TO RECEPTACLES. SEE EP229 AND EY229 FOR LOCATIONS.

5. RELOCATE EXISTING SWITCH, AND WIRING TO NEW LOCATION FOR OPEN OFFICE AREA LIGHTING CONTROL. SEE EL229 FOR NEW LOCATION.

6. RELOCATE EXISTING LUMINAIRE, COORDINATE WITH NEW CEILING LAYOUT, SEE EL229 FOR NEW LOCATION.

7. REMOVE EXISTING LUMINAIRE, TURN OVER TO OWNER FOR FUTURE USE. REMOVE CONDUIT, FLEXMC CABLE AND WIRING TO NEXT FIXTURE WHICH FED LUMINAIRE BEING REMOVED. PROVIDE HOLE PLUG FOR 4SQ BOX WHICH FED FIXTURE.



1 LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI (608) 661-1540 Eau Claire, WI (715) 855-1505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design information "as is" as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the above restrictions and agrees to indemnify and hold McMahon harmless from reuse of or changes made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
RJW	MAL

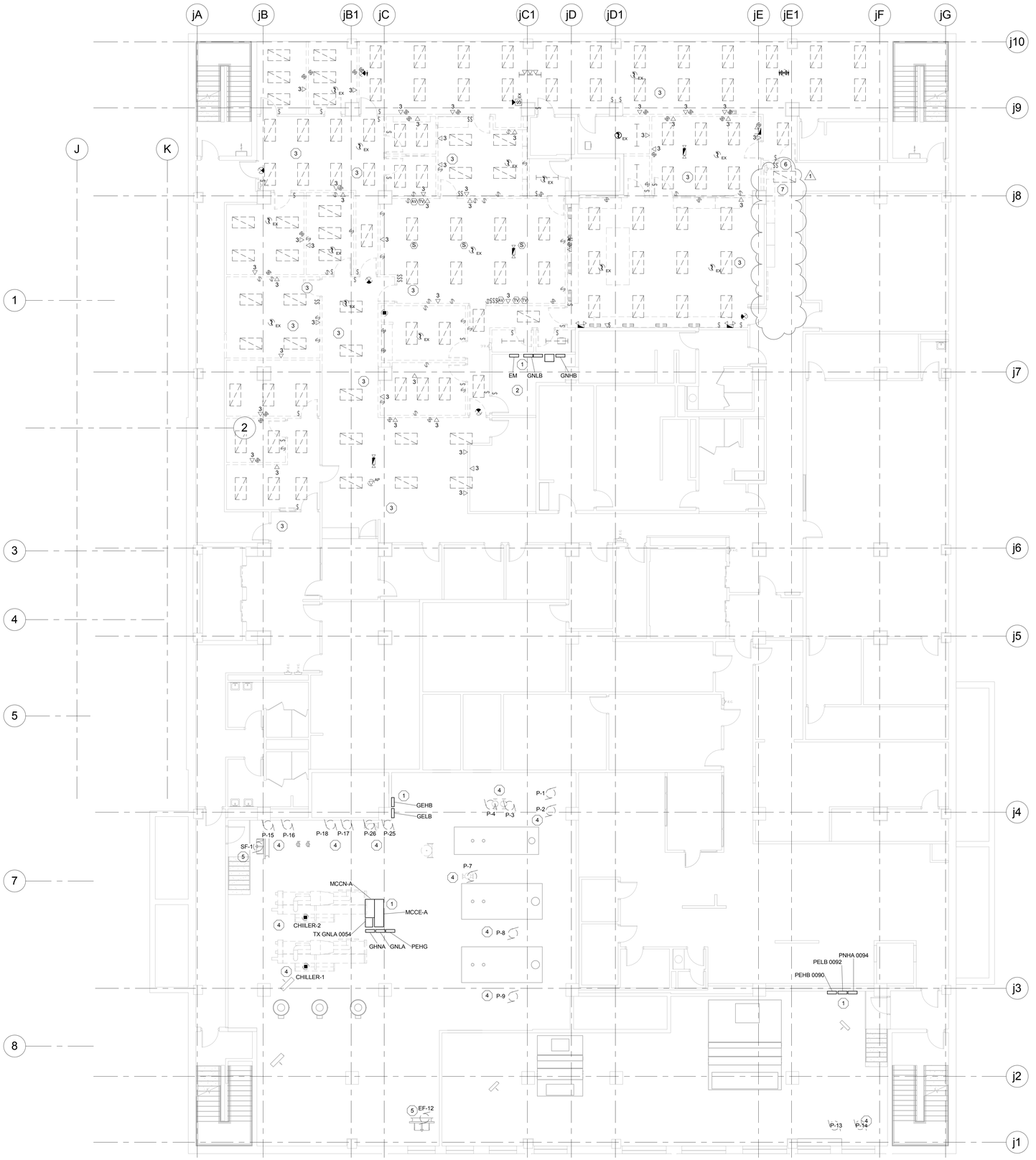
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ED209

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:31:51 AM



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 REFED 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. 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, VDFS, 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.

6. DISCONNECT AND REMOVE EXISTING SWITCHES. SALVAGE EXISTING CONTROL WIRING TO EXTEND TO NEW LOCATION. REFERENCE NEW WORK PLAN EL230.

7. DISCONNECT, REMOVE, AND SALVAGE EXISTING FIXTURE FOR RELOCATION. REFERENCE NEW WORK PLAN EL230.

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53719 Rockford, IL 61107 Milwaukee, WI 53225
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing as instruments of service. All rights including copyrights are reserved by McMahon. Recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or media. Recipient agrees not to make changes to these drawings without prior written authorization by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 ELECTRICAL DEMOLITION PLAN-JUSTICE CENTER

PLAN KEY

DESIGNED	DRAWN
CEH	MAL

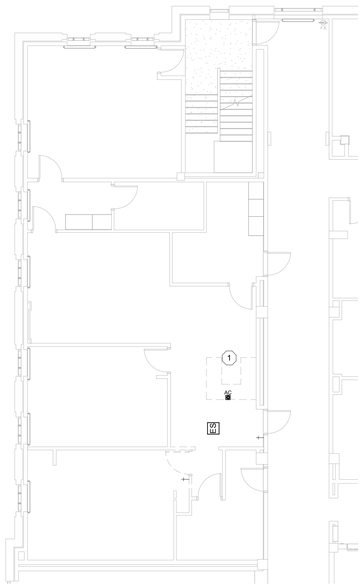
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ED210

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:31:56 AM



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"

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 REFED AS REQUIRED TO KEEP CIRCUIT COMPLETE. RECESSED OR SURFACE MOUNTED.

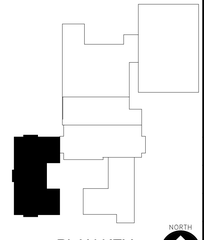
E. SAVE/SALVAGE AND REUSE EXISTING SPEAKERS. SEE SHEET EY231 FOR NEW LOCATIONS.

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.



PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: 6602 Seybold Road Madison, WI 53705
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and/or electronic file "as is" as instrument of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the limitations stated herein and to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data and/or from unauthorized use of such prior.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ED211

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:00 AM

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 REFED 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.

F. SAVE/SALVAGE AND REUSE EXISTING SPEAKERS. SEE SHEET EY232 FOR NEW LOCATIONS.

PLAN NOTES: (#)

1. EXISTING ELECTRICAL EQUIPMENT TO REMAIN.

2. EXISTING TO BE REMOVED BACK TO POINT OF ORIGIN.

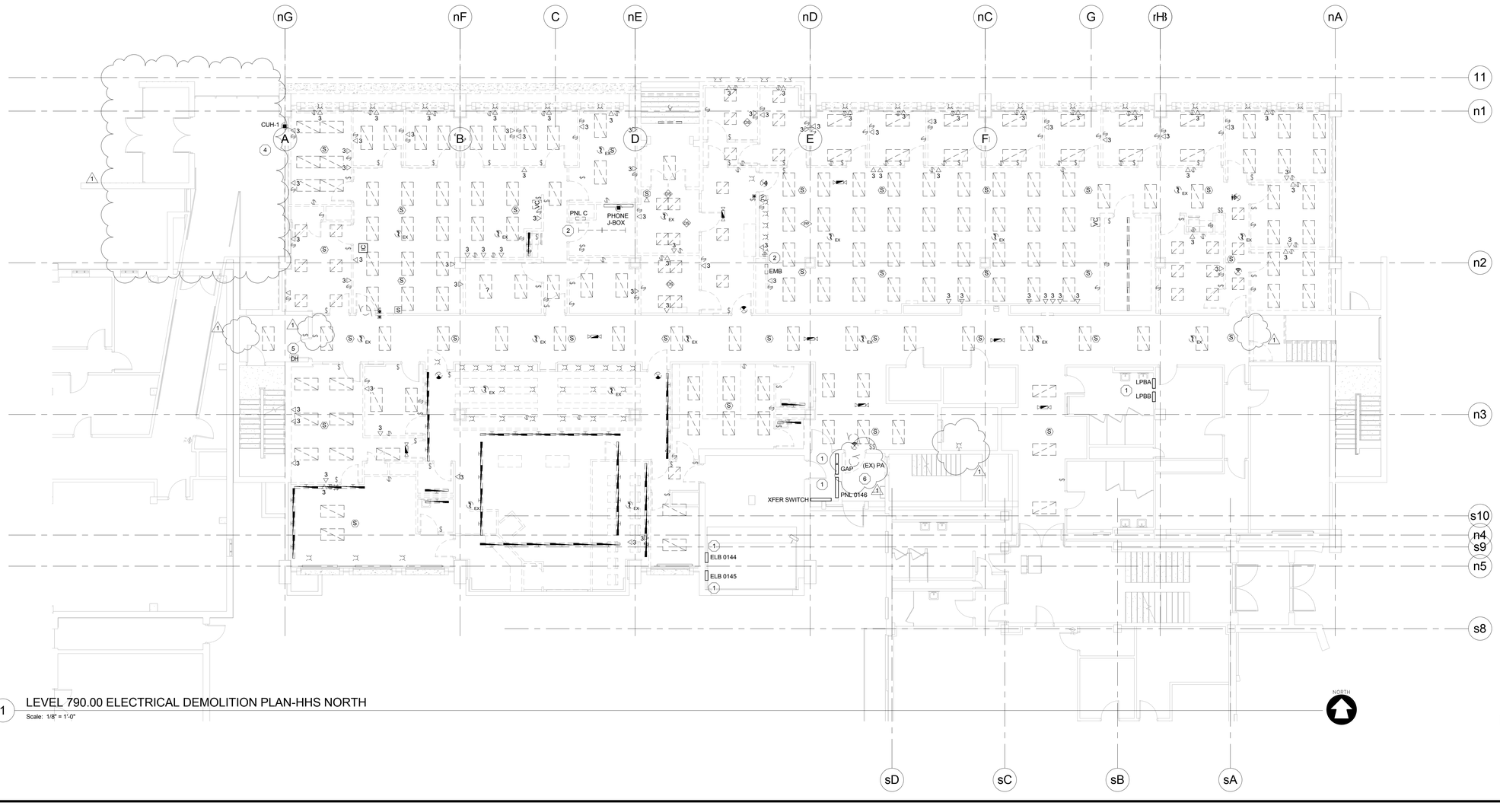
3. REMOVE EXISTING, PROVIDE NEW AFTER EXISTING WALL IS REFINISHED.

4. REMOVE EXISTING INTERCOM STATION AND RELOCATE TO MAIN ENTRANCE. SEE SHEET EY233 FOR NEW LOCATION.

5. EXISTING DOOR HOLDER TO REMAIN.

6. DEMO EXISTING POWER ASSIST DOOR CONTROL.

1



1 LEVEL 790.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH

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

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 RHINELANDER, WI 54501
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all its contents for use as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the terms and conditions of the written agreement and to indemnify and hold McMahon harmless from any reuse of or changes made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

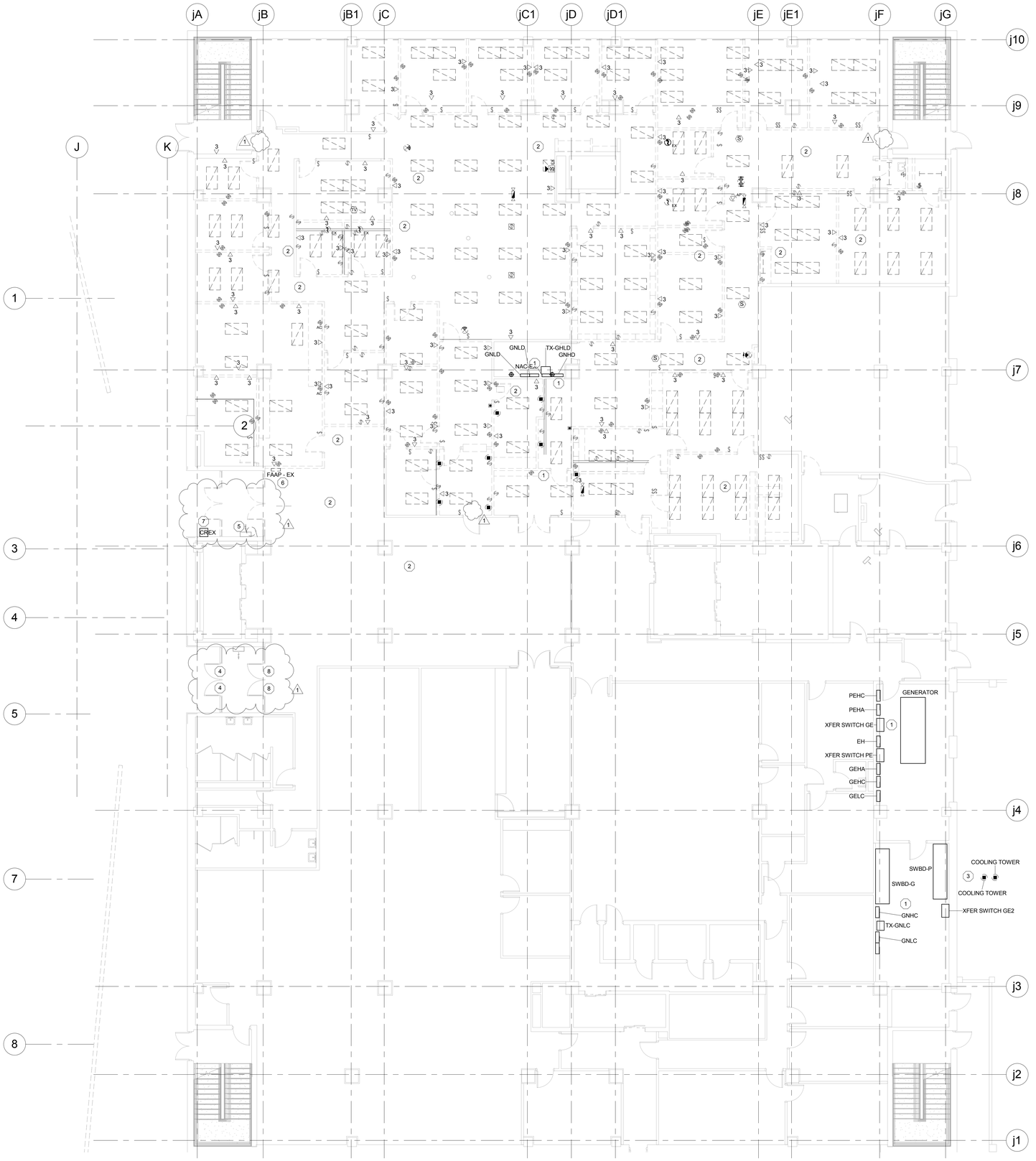
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ED212

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/31/2017 10:31:34 AM



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 REFED 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. 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 A291 FOR ADDITIONAL INFORMATION.

5. REMOVE EXISTING POWER AND CONNECTIONS BACK TO POINT OF ORIGIN FOR CAB HEATER.

6. RELOCATE EXISTING FIRE ALARM ANNUNCIATOR AND RELOCATE TO MAIN ENTRANCE. SEE SHEET EY233 FOR NEW LOCATION.

7. RELOCATE EXISTING CARD READER TO NEW DOOR AT THE PEDESTRIAN WALKWAY. SEE SHEET EY233 FOR NEW LOCATION.

8. TURN OFF EXISTING OPERATOR PLATE AND REMOVE ADA PADDLES ON THE INTERIOR SIDE. PROVIDE BLANK PLATES FOR UNUSED OPENINGS.

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Rhinelander, WI 54501
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design solely for the purpose as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following and by their use to indemnify and hold McMahon harmless from any claims for changes made to the original drawing or data without prior written permission of McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ED213

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:10 AM

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 REFED AS REQUIRED TO KEEP CIRCUIT COMPLETE. RECESSED OR SURFACE MOUNTED.

E. SAVE/SALVAGE AND REUSE EXISTING SPEAKERS. SEE SHEET EY235 FOR NEW LOCATIONS.

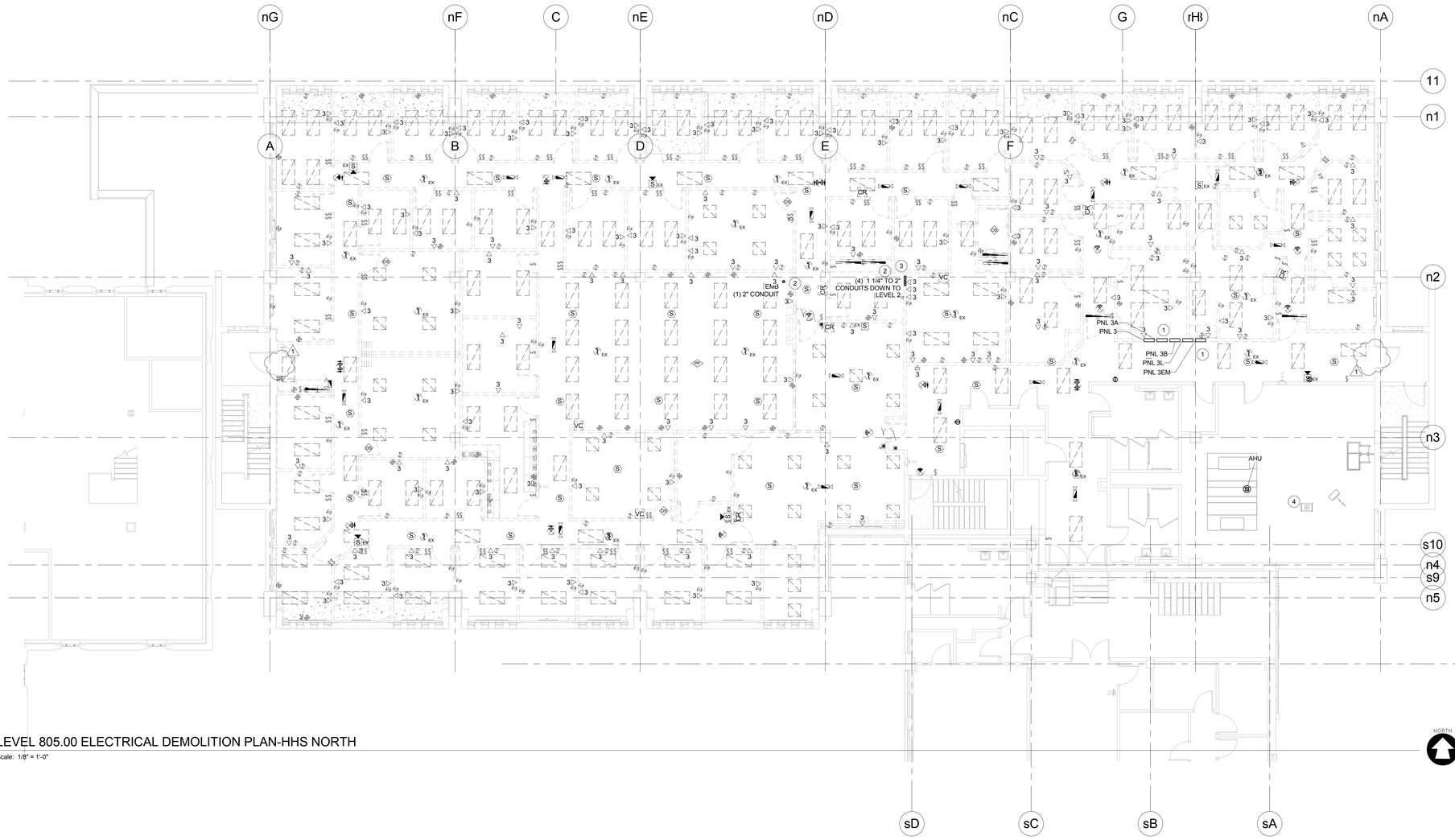
PLAN NOTES: (#)

1. EXISTING PANELS TO REMAIN.

2. REMOVE EXISTING CONDUIT BACK TO POINT OF ORIGIN FOR PANELS EMB AND LPC.

3. EXISTING CONDUITS TO BE RELOCATED/EXTENDED AS REQUIRED. SEE EP235 FOR NEW POTENTIAL ROUTING LOCATION.

4. DISCONNECT EXISTING POWER CONNECTIONS, CONDUIT AND WIRING TO EXISTING (AHU) HVAC ITEMS SCHEDULED TO BE REMOVED AND REPLACED WITH NEW. SEE HVAC DRAWINGS FOR ITEMS BEING REMOVED/REPLACED DURNING PROJECT RENOVATION. COORDINATE WITH HVAC CONTRACTOR SPECIFIC ELECTRICAL ITEMS REQUIRED TO BE REMOVED/RELOCATED FOR THE REMOVAL AND INSTALLATION OF EXISTING AND NEW AIR HANDLING UNIT.



1 LEVEL 805.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH
Scale: 1/8" = 1'-0"

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O. BOX 2025 NEENAH, WI 54957-2025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information herein as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: Reuse of these plans, in whole or in part, changes made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
ED214

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:15 AM

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 REFED AS REQUIRED TO KEEP CIRCUIT COMPLETE. RECESSED OR SURFACE MOUNTED.

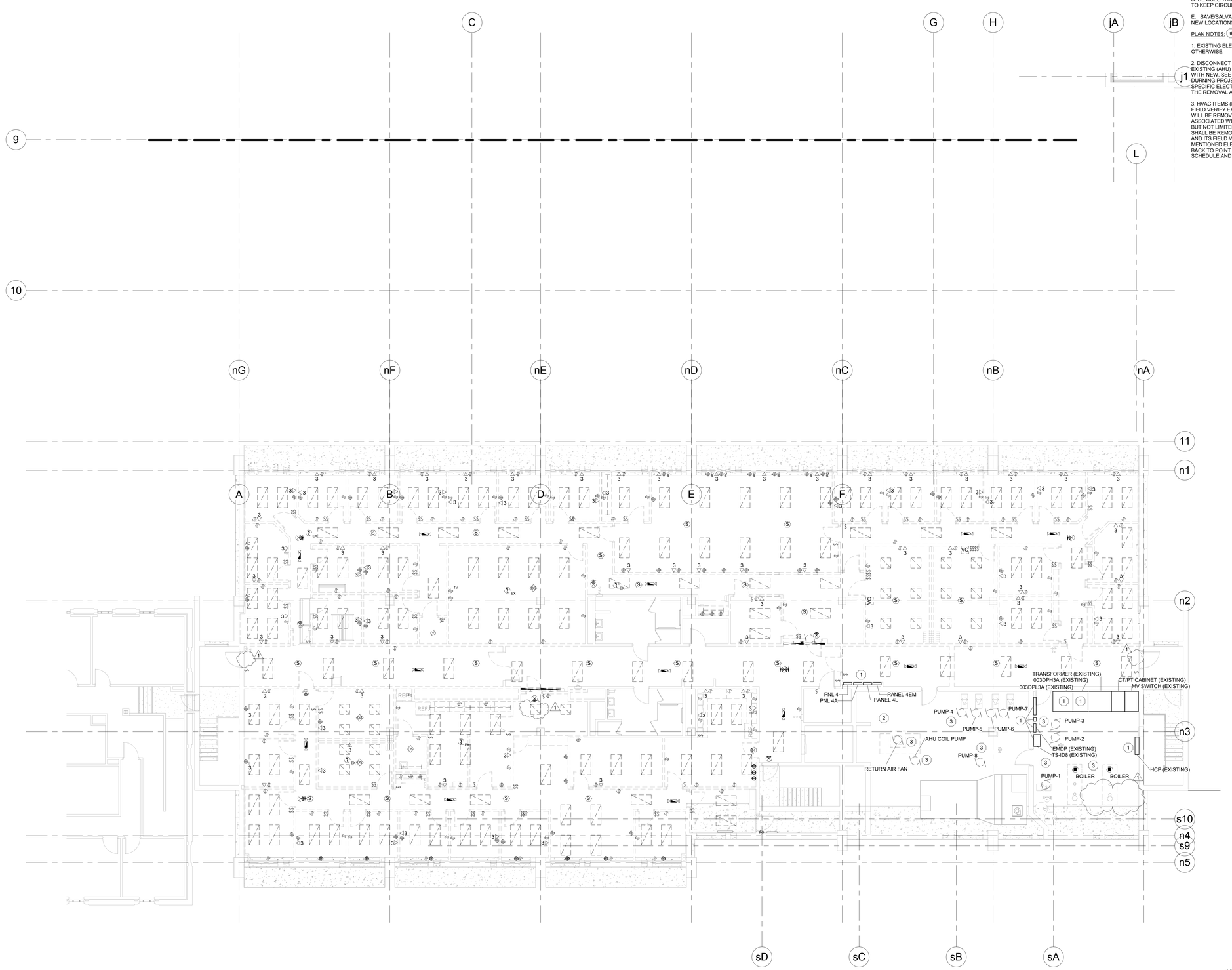
E. SAVE/SALVAGE AND REUSE EXISTING SPEAKERS. SEE SHEET EY238 FOR NEW LOCATIONS.

PLAN NOTES: (#)

1. EXISTING ELECTRICAL EQUIPMENT, PANELS TO REMAIN UNLESS NOTED OTHERWISE.

2. DISCONNECT EXISTING POWER CONNECTIONS, CONDUIT AND WIRING TO EXISTING (AHU) HVAC ITEMS SCHEDULED TO BE REMOVED AND REPLACED WITH NEW. SEE HVAC DRAWINGS FOR ITEMS BEING REMOVED/REPLACED DURNING PROJECT RENOVATION. COORDINATE WITH HVAC CONTRACTOR SPECIFIC ELECTRICAL ITEMS REQUIRED TO BE REMOVED/RELOCATED FOR THE REMOVAL AND INSTALLATION OF EXISTING AND NEW AIR HANDLING UNIT.

3. HVAC ITEMS (EQUIPMENT/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, VDFS, 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.



1 LEVEL 820.00 ELECTRICAL DEMOLITION PLAN-HHS NORTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI (608) 662-1505 Milwaukee, WI (414) 727-9505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing as an instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: Reuse of these plans, changes made to the original drawing or data without prior written permission from McMahon

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

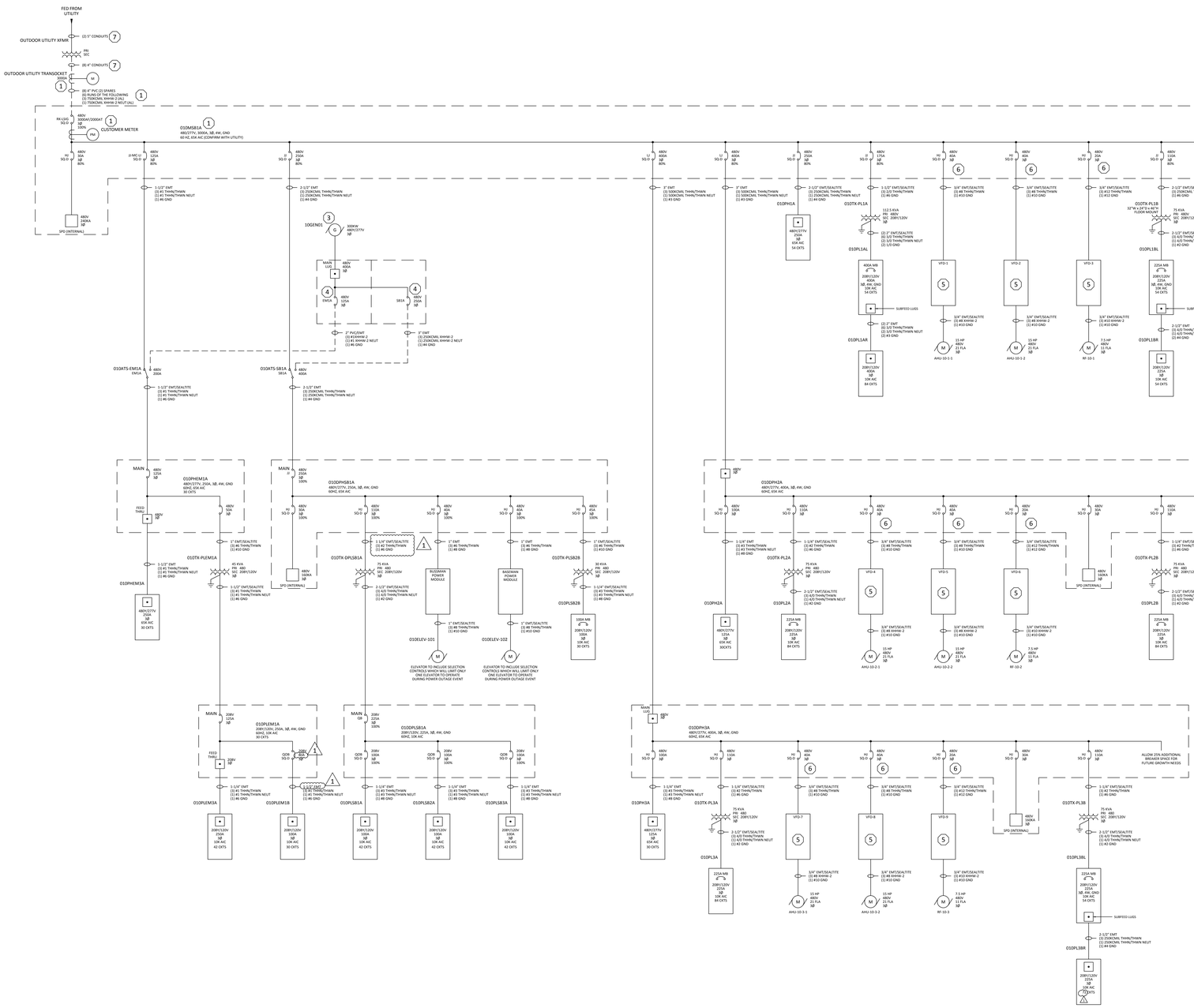
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ED217

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:16 AM



GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF NEW INCOMING UNDERGROUND ELECTRICAL SERVICE WITH WE ENERGIES.

B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NEW INCOMING UNDERGROUND ELECTRICAL SERVICE IN COMPLETE ACCORDANCE WITH THE REQUIREMENTS OF WE ENERGIES.

C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POWER SYSTEM STUDIES IN ACCORDANCE WITH SPECIFICATION SECTION 26 05 73.00 - POWER SYSTEM STUDIES.

D. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHOWN ON THIS DRAWING ARE INTENDED TO BE COPPER. REFER TO SPECIFICATION SECTION 26 05 19.00 - LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES FOR REQUIREMENTS ON ANY FEEDERS THAT CONTRACTOR MIGHT ELECT TO SUBSTITUTE ALUMINUM CONDUCTORS ON.

E. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE APPROPRIATE RATED CONDUCTOR TYPE FOR ALL WIRING BETWEEN VFD'S AND MOTORS. THE ELECTRICAL CONTRACTOR SHALL VALIDATE SELECTED CONDUCTOR IS IN ACCORDANCE WITH THE VFD MANUFACTURER'S INSTALLATION REQUIREMENTS PRIOR TO PULLING IN ANY SUCH CONDUCTOR. FAILURE TO MEET THIS REQUIREMENT IS SUBJECT TO CONDUCTOR REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

F. ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO PROPERLY GROUND AND BOND THIS ENTIRE SERVICE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND IN ACCORDANCE WITH SPECIFICATION SECTION 26 05 26.00 - GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS.

PLAN NOTES: (#)

1. BASE 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. BASE 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 ATTENUATED ENCLOSURE, CRITICAL GRADE SILENCER AND 24 HOUR CAPACITY SUBFUEL 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 & SB1A 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
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
MAILING ADDRESS: P.O. BOX 1025 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design data solely for use as instrument of service. All rights including copyrights are reserved by McMahon. Recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data and from any unauthorized use or modification.

NO.	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
POWER DISTRIBUTION ONE LINE DIAGRAM-OCAC NORTH

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EE641

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:18 AM

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
1				14410...	14410...								2
3	VFD-10 TO CT-1 MECH RM G061	100 A	3			14410...	14410...			3	100 A	VFD-11 TO CT-2 MECH RM G061	4
5								14410...	14410...				6
7				18013...	18013...								8
9	VFD-12 TO P-1 MECH RM G061	100 A	3			18013...	18013...			3	100 A	VFD-13 TO P-2 MECH RM G061	10
11								18013...	18013...				12
13				18013...	14410...								14
15	VFD-14 TO P-3 MECH RM G061	100 A	3			18013...	14410...			3	100 A	VFD-15 TO P-4 MECH RM G061	16
17								18013...	14410...				18
19				14410...	14410...								20
21	VFD-16 TO P-5 MECH RM G061	100 A	3			14410...	14410...			3	100 A	VFD-17 TO P-6 MECH RM G061	22
23								14410...	14410...				24
25	SPACE	--	--	0 VA	0 VA					--	--	SPACE	26
27	SPACE	--	--			0 VA	0 VA			--	--	SPACE	28
29	SPACE	--	--					0 VA	0 VA	--	--	SPACE	30
31	SPACE	--	--	0 VA	0 VA					--	--	SPACE	32
33	SPACE	--	--			0 VA	0 VA			--	--	SPACE	34
35	SPACE	--	--					0 VA	0 VA	--	--	SPACE	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:	126.09 kVA		126.09 kVA		126.09 kVA					
			Total Amps:	455 A		455 A		455 A					

1

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:

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

McMahon provides this drawing and all information thereon "as is" as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from any reuse of or changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
PANEL DIRECTORIES, SHEET 1 OF 1-JUSTICE CENTER

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EF831

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:21 AM

Switchboard: 010MSB1A

Location: MECHANICAL 10.1.145
Supply From: DIST
Mounting: SURFACE
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	132.35	
4	010DPH3A	3	800 A	400 A	188.03	
5	010DPH2A	3	800 A	400 A	151.73	
6	010PH1A	3	400 A	250 A	34.65	
7	010TX-PL1A	3	225 A	175 A	97.86	
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	82.4	
12	003DPH3A (EXISTING)	3	800 A	600 A	180	ESTIMATED LOAD
13	003TX-DPL3A	3	800 A	600 A	150	ESTIMATED LOAD
14						
				Total Conn. Load:	1082.71 kVA	
				Total Amps:	1302 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	86900 VA	125.00%	108625 VA		
Motor	64968 VA	108.95%	70785 VA	**Total Conn. Load:**	1082.71 kVA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	985.40 kVA
RECEPTACLE	279324 VA	51.79%	144662 VA	**Total Conn.:**	1302 A
CONTINUOUS	39240 VA	125.00%	49050 VA	**Total Est. Demand:**	1185 A
KITCHEN EQUIPMENT	200 VA	100.00%	200 VA		
NONCONTINUOUS	431932 VA	100.00%	431932 VA		
HVAC	180146 VA	100.00%	180146 VA		

Notes:

Branch Panel: 010DPH2A

Location: MECHANICAL 10.2.084
Supply From: 010MSB1A
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65K AIC
Mains Type: MLO
Bus Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				10117... 14724...						2
3	010PH2A	100 A	3		5647 VA 14380...		3	110 A	010TX-PL2A	4
5						7042 VA 16400...				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 0 VA			--	--	SPACE	14
15	HVAC MECHANICAL 10.2.084 RF-10-2	20 A	3		3047 VA 0 VA		--	--	SPACE	16
17						3047 VA 0 VA	--	--	SPACE	18
19				13340... 0 VA			--	--	SPACE	20
21	010TX-PL2B	110 A	3		12580... 0 VA		--	--	SPACE	22
23						13444... 0 VA	--	--	SPACE	24
25	SPACE	--	--	0 VA 0 VA			--	--	SPACE	26
27	SPACE	--	--		0 VA 0 VA		--	--	SPACE	28
29	SPACE	--	--			0 VA 0 VA	--	--	SPACE	30
				Total Load:	52.87 kVA	51.57 kVA				
				Total Amps:	193 A	189 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	22831 VA	125.00%	28539 VA		
Motor	1440 VA	112.50%	1620 VA	**Total Conn. Load:**	151.76 kVA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	139.23 kVA
RECEPTACLE	49320 VA	60.14%	29660 VA	**Total Conn.:**	183 A
CONTINUOUS	5000 VA	125.00%	6250 VA	**Total Est. Demand:**	167 A
NONCONTINUOUS	27708 VA	100.00%	27708 VA		
HVAC	45458 VA	100.00%	45458 VA		

Notes:

Branch Panel: 010DPH3A

Location:
Supply From: 010MSB1A
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65K AIC
Mains Type: MLO
Bus Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				12105... 17064...						2
3	010PH3A	100 A	3		7028 VA 17200...		3	110 A	010TX-PL3A	4
5						7392 VA 14780...				6
7				5820 VA 5820 VA						8
9	HVAC AHU 10-3-1	40 A	3		5820 VA 5820 VA		3	40 A	AHU 10-3-2	10
11						5820 VA 5820 VA				12
13				3047 VA 0 VA			--	--	SPACE	14
15	HVAC RF10-3	20 A	3		3047 VA 0 VA		--	--	SPACE	16
17						3047 VA 0 VA	--	--	SPACE	18
19				20968... 0 VA			--	--	SPACE	20
21	010TX-PL3B	110 A	3		26956... 0 VA		--	--	SPACE	22
23						20480... 0 VA	--	--	SPACE	24
25	SPACE	--	--	0 VA 0 VA			--	--	SPACE	26
27	SPACE	--	--		0 VA 0 VA		--	--	SPACE	28
29	SPACE	--	--			0 VA 0 VA	--	--	SPACE	30
31	SPACE	--	--	0 VA 0 VA			--	--	SPACE	32
33	SPACE	--	--		0 VA 0 VA		--	--	SPACE	34
35	SPACE	--	--			0 VA 0 VA	--	--	SPACE	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:	64.82 kVA	57.34 kVA				
				Total Amps:	238 A	207 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	26549 VA	125.00%	33187 VA		
Motor	1440 VA	112.50%	1620 VA	**Total Conn. Load:**	188.06 kVA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	158.53 kVA
RECEPTACLE	86040 VA	55.81%	48020 VA	**Total Conn.:**	226 A
CONTINUOUS	6720 VA	125.00%	8400 VA	**Total Est. Demand:**	191 A
NONCONTINUOUS	20292 VA	100.00%	20292 VA		
HVAC	47014 VA	100.00%	47014 VA		

Notes:

Branch Panel: 010PH1A

Location: MECHANICAL 10.1.145
Supply From: 010MSB1A
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65K 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 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 3987 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 1958 VA	1	20 A		LIGHTING ROOM 10.1.060, 10.1.075, 10.1.038,...	42
43	SPARE		20 A	1	0 VA 0 VA			1	20 A		SPARE	44
45	SPARE		20 A	1		0 VA 0 VA		1	20 A		SPARE	46
47	SPACE		--	--			0 VA 0 VA	--	--		SPACE	48
49	SPACE		--	--	0 VA 0 VA			--	--		SPACE	50
51	SPACE		--	--		0 VA 0 VA		--	--		SPACE	52
53	SPACE		--	--			0 VA 0 VA	--	--		SPACE	54
				Total Load:	5.74 kVA	15.20 kVA	13.73 kVA					
				Total Amps:	21 A	59 A	54 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	34676 VA	125.00%	43345 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	34.68 kVA
				Total Est. Demand:	43.35 kVA
				Total Conn.:	42 A
				Total Est. Demand:	52 A

Notes:

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Rhinelander, WI 54501
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design concepts for use as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) indemnify and hold McMahon harmless for unauthorized use of changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
PANEL DIRECTORIES, SHEET 1 OF 7-OCAC NORTH

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EF841

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 11:32:35 AM

Branch Panel: 010PH2A

Location: MECHANICAL 10.2.084
Supply From: 010DPH2A
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65K AIC
Mains Type: MLO
Bus Rating: 125 A

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	3484 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	0 VA		1	20 A	SPARE	8
9	SPARE	20 A	1		0 VA	0 VA	1	20 A	SPARE	10
11	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	12
13	SPACE	--	--	0 VA	0 VA		--	--	SPACE	14
15	SPACE	--	--		0 VA	0 VA	--	--	SPACE	16
17	SPACE	--	--			0 VA	0 VA	--	--	SPACE	18
19	SPACE	--	--	0 VA	0 VA		--	--	SPACE	20
21	SPACE	--	--		0 VA	0 VA	--	--	SPACE	22
23	SPACE	--	--			0 VA	0 VA	--	--	SPACE	24
25	SPACE	--	--	0 VA	0 VA		--	--	SPACE	26
27	SPACE	--	--		0 VA	0 VA	--	--	SPACE	28
29	SPACE	--	--			0 VA	0 VA	--	--	SPACE	30
		Total Load:		10.12 kVA	5.65 kVA	7.05 kVA				
		Total Amps:		37 A	20 A	26 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	22831 VA	125.00%	28539 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	22.83 kVA
				Total Est. Demand:	28.54 kVA
				Total Conn.:	27 A
				Total Est. Demand:	34 A

Notes:

Branch Panel: 010PH3A

Location:
Supply From: 010DPH3A
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65K AIC
Mains Type: MLO
Bus Rating: 125 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	LIGHTING ROOM 10.3.090, 10.3.089, 10.3.095, 10.3.10...	20 A	1	3833 VA	3985 VA		1	20 A	LIGHTING ROOM 10.3.112, 10.3.113, 10.3.118, 10.3.11...	2
3	LIGHTING ROOM 10.3.126, 10.3.125, 10.3.124, 03.3.16...	20 A	1		3605 VA	3425 VA	1	20 A	LIGHTING ROOM 03.3.205, 03.3.203, 03.3.201, 03.3.19...	4
5	LIGHTING ROOM 10.3.073, 10.3.072, 10.3.075, 10.3.07...	20 A	1			3408 VA	3984 VA	1	20 A	LIGHTING ROOM 10.3.030, 10.3.063, 10.3.064, 10.3.06...	6
7	LIGHTING ROOM 10.3.014, 10.3.016) 10.3.013, 10.3.02...	20 A	1	1857 VA	2429 VA		1	20 A	LIGHTING CORRIDOR 10.3.029	8
9	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	10
11	SPARE	20 A	1				0 VA	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA				1	20 A	SPARE	14
15	SPACE	--	--			0 VA	0 VA	--	--	SPACE	16
17	SPACE	--	--				0 VA	0 VA	--	--	SPACE	18
19	SPACE	--	--	0 VA	0 VA				--	--	SPACE	20
21	SPACE	--	--			0 VA	0 VA	--	--	SPACE	22
23	SPACE	--	--				0 VA	0 VA	--	--	SPACE	24
25	SPACE	--	--	0 VA	0 VA				--	--	SPACE	26
27	SPACE	--	--			0 VA	0 VA	--	--	SPACE	28
29	SPACE	--	--				0 VA	0 VA	--	--	SPACE	30
		Total Load:		12.10 kVA	7.03 kVA	7.39 kVA				
		Total Amps:		44 A	25 A	27 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	26549 VA	125.00%	33187 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	26.55 kVA
				Total Est. Demand:	33.19 kVA
				Total Conn.:	32 A
				Total Est. Demand:	40 A

Notes:

Branch Panel: 010PL1AL

Location: MECHANICAL 10.1.145
Supply From: 010TX-PL1A
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MCB
Bus Rating: 400 A
MCB Rating: 400 A

Notes:
1 FEED THROUGH LUGS

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	FRIG BREAK ROOM 03.1.186	6
7	MICRO BREAK ROOM 03.1.186	G	20 A	1	1000 VA	1100 VA		1	20 A	G	FRIG BREAK ROOM 03.1.186	8
9	MICRO BREAK ROOM 03.1.186	G	20 A	1		1100 VA	360 VA	1	20 A		RECEPTACLE BREAK ROOM 03.1.186	10
11	RECEPTACLE CORRIDOR 03.1.206 (1)		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			1680 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		1680 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	30.23 kVA	32.47 kVA					
			Total Amps:		296 A	252 A	273 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	74304 VA	56.73%	42152 VA		
CONTINUOUS	9100 VA	125.00%	11375 VA	**Total Conn. Load:**	97.86 kVA
NONCONTINUOUS	14360 VA	100.00%	14360 VA	**Total Est. Demand:**	67.99 kVA
HVAC	100 VA	100.00%	100 VA	**Total Conn.:**	272 A
				Total Est. Demand:	189 A

Notes:

PROVIDE FEED THRU LUGS TO FEED PANEL 010PL1AR.

Branch Panel: 010PL1AR

Location: MECHANICAL 10.1.145
Supply From: 010PL1AL
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MLO
Bus Rating: 400 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	RECEPTACLE CORRIDOR 10.1.028		20 A	1	900 VA	900 VA		1	20 A		RECEPTACLE OFFICE 10.1.109	2
3	RECEPTACLE OFFICE 10.1.108		20 A	1			1440 VA	900 VA	1	20 A		RECEPTACLE OFFICE 10.1.107	4
5	RECEPTACLE OFFICE 10.1.107		20 A	1				1020 VA	1620 VA	1	20 A		RECEPTACLE OFFICE 10.1.113	6
7	RECEPTACLE OFFICE 10.1.114		20 A	1	1440 VA	1440 VA				1	20 A		RECEPTACLE OFFICE 10.1.115	8
9	RECEPTACLE OFFICE 10.1.116		20 A	1			1440 VA	720 VA		1	20 A		RECEPTACLE CORRIDOR 10.1.111	10
11	COPY WORK AREA 10.1.098		20 A	1					1500 VA	1440 VA	1	20 A		RECEPTACLE OFFICE 10.1.117	12
13	RECEPTACLE OFFICE 10.1.119		20 A	1	1440 VA	1440 VA					1	20 A		RECEPTACLE OFFICE 10.1.094	14
15	RECEPTACLE OFFICE 10.1.123		20 A	1			1440 VA	1440 VA			1	20 A		RECEPTACLE OFFICE 10.1.090	16
17	FRIG KITCHENETTE 10.1.127	G	20 A	1					1000 VA	1000 VA	1	20 A	G	FRIG KITCHENETTE 10.1.127	18
19	RECEPTACLE KITCHENETTE 10.1.127		20 A	1	540 VA	1100 VA					1	20 A	G	MICRO KITCHENETTE 10.1.127	20
21	MICRO KITCHENETTE 10.1.127	G	20 A	1			1100 VA	710 VA			1	20 A		RECEPTACLE APPLICATIONS STATIONS 10.1.081	22
23	RECEPTACLE APPLICATIONS STATIONS 10.1.081		20 A	1					360 VA	360 VA	1	20 A		RECEPTACLE APPLICATIONS STATIONS 10.1.081	24
25	RECEPTACLE INTERVIEW ROOM 10.1.080		20 A	1	720 VA	900 VA					1	20 A		RECEPTACLE CORRIDOR 10.1.028	26
27	RECEPTACLE INTERVIEW ROOM 10.1.079		20 A	1			720 VA	504 VA			1	20 A	G	EWC-2 CORRIDOR 10.1.028	28
29	RECEPTACLE OFFICE 10.1.103		20 A	1					1440 VA	1440 VA	1	20 A		RECEPTACLE INTERVIEW ROOM 10.1.082	30
31	RECEPTACLE CORRIDOR 10.1.086		20 A	1	720 VA	1260 VA					1	20 A		RECEPTACLE ONLINE APPLICATIONS ROOM...	32
33	FF-15 OPEN OFFICE 10.1.139		20 A	1			1200 VA	1200 VA			1	20 A		FF-17 OPEN OFFICE 10.1.139	34
35	FF-17 OPEN OFFICE 10.1.139		20 A	1					1200 VA	720 VA	1	20 A		RECEPTACLE OPEN OFFICE 10.1.139	36
37	RECEPTACLE OPEN OFFICE 10.1.139		20 A	1	720 VA	720 VA					1	20 A		RECEPTACLE OPEN OFFICE 10.1.139	38
39	FLOOR RECPT PRINTER OPEN OFFICE 10.1.139		20 A	1			180 VA	180 VA			1	20 A		FLOOR RECPT COPY OPEN OFFICE 10.1.139	40
41	RECEPTACLE OFFICE 10.1.097		20 A	1					1440 VA	1440 VA	1	20 A		RECEPTACLE OFFICE 10.1.093	42
43	RECEPTACLE OFFICE 10.1.089		20 A	1	1620 VA	1440 VA					1	20 A		RECEPTACLE OFFICE 10.1.138	44
45	RECEPTACLE OFFICE 10.1.134		20 A	1			1440 VA	540 VA			1	20 A		RECEPTACLE CORRIDOR 10.1.130	46
47	RECEPTACLE OPEN OFFICE 10.1.139		20 A	1					180 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					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	SPACE		--	--	0 VA	0 VA					--	--		SPACE	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:		17.30 kVA	15.15 kVA	16.16 kVA								
			Total Amps:		145 A	126 A	136 A								

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	38304 VA	63.05%	24152 VA		
CONTINUOUS	5600 VA	125.00%	7000 VA	**Total Conn. Load:**	48.61 kVA
NONCONTINUOUS	4710 VA	100.00%	4710 VA	**Total Est. Demand:**	35.86 kVA
				Total Conn.:	135 A
				Total Est. Demand:	100 A

Notes:

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Rockford, IL 61107 Milwaukee, WI 53223
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and digital media for your use as instrument of service. All rights including copyrights are reserved. Any reuse, alteration and/or recipient agrees to the assumption of all liability and to indemnify and hold McMahon harmless from any claims that changes made to the original drawing or data were done without McMahon's written approval.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
PANEL DIRECTORIES, SHEET 2 OF 7-OCAC NORTH

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EF842

C:\Revit Projects\16_1108 OCAC_Elec_mlarsen.rvt

3/30/2017 10:32:26 AM

Branch Panel: 010PL1BL

Location: ELECTRICAL 10.1.025
Supply From: 010TX-PL1B
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MCB
Bus Rating: 225 A
MCB Rating: 225 A

1 **Notes:**
FEED THROUGH LUGS

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		1340 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 1080 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	G	20 A	1		1000 VA 180 VA		1	20 A		RECEPTACLE KITCHENETTE 10.1.023	22
23	MICRO KITCHENETTE 10.1.023	G	20 A	1			1100 VA 1620 VA	1	20 A		RECEPTACLE OFFICE 10.1.021	24
25	RECEPTACLE OFFICE 10.1.019	1	20 A	1	1620 VA 1080 VA			1	20 A		RECEPTACLE OFFICE 10.1.017	26
27	CH-5, CH-6 HVAC STAIR 10.1.S2		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	EWC-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			720 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:		29.14 kVA	27.00 kVA	26.26 kVA					
			Total Amps:		244 A	226 A	219 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	2880 VA	106.25%	3060 VA		
RECEPTACLE	51120 VA	59.78%	30560 VA	**Total Conn. Load:**	82.40 kVA
CONTINUOUS	2000 VA	125.00%	2500 VA	**Total Est. Demand:**	62.52 kVA
NONCONTINUOUS	24004 VA	100.00%	24004 VA	**Total Conn.:**	229 A
HVAC	2392 VA	100.00%	2392 VA	**Total Est. Demand:**	174 A

Notes:
PROVIDE FEED THRU LUGS TO FEED PANEL 010PL1BR.

Branch Panel: 010PL1BR

Location: ELECTRICAL 10.1.025
Supply From: 010PL1BL
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MLO
Bus Rating: 225 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	RECEPTACLE CORRIDOR 10.1.028		20 A	1	540 VA 900 VA			1	20 A		RECEPTACLE CONFERENCE ROOM 10.1.033	2
3	RECEPTACLE CONFERENCE ROOM 10.1.033		20 A	1		840 VA 900 VA		1	20 A		RECEPTACLE CONFERENCE ROOM 10.1.056	4
5	RECEPTACLE CORRIDOR 10.1.038		20 A	1			720 VA 1440 VA	1	20 A		RECEPTACLE OFFICE 10.1.052	6
7	ALCOVE 10.1.057		20 A	1	1200 VA 1620 VA			1	20 A		RECEPTACLE OFFICE 10.1.062	8
9	RECEPTACLE OFFICE 10.1.051		20 A	1		1620 VA 1440 VA		1	20 A		RECEPTACLE OFFICE 10.1.049	10
11	RECEPTACLE OFFICE 10.1.076		20 A	1			1620 VA 1000 VA	1	20 A	G	FRIG KITCHENETTE 10.1.061	12
13	FRIG KITCHENETTE 10.1.061	G	20 A	1	1000 VA 1100 VA			1	20 A	G	MICRO KITCHENETTE 10.1.061	14
15	MICRO KITCHENETTE 10.1.061	G	20 A	1		1100 VA 360 VA		1	20 A		RECEPTACLE KITCHENETTE 10.1.061	16
17	RECEPTACLE CONFERENCE ROOM 10.1.074		20 A	1			720 VA 720 VA	1	20 A		RECEPTACLE CONFERENCE ROOM 10.1.074	18
19	RECEPTACLE OFFICE 10.1.072		20 A	1	1440 VA 1080 VA			1	20 A		RECEPTACLE CORRIDOR 10.1.075	20
21	RECEPTACLE OFFICE 10.1.047		20 A	1		1620 VA 1020 VA		1	20 A		RECEPTACLE WAITING ROOM 10.1.031	22
23	FF-5 WAITING ROOM 10.1.031		20 A	1			1200 VA 1200 VA	1	20 A		FF-6 WAITING ROOM 10.1.031	24
25	RECEPTACLE WAITING ROOM 10.1.031		20 A	1	1080 VA 1440 VA			1	20 A		FF-7, FF-8 WAITING ROOM 10.1.031	26
27	FF-9 WAITING ROOM 10.1.031		20 A	1		920 VA 1500 VA		1	20 A		COPY WAITING ROOM 10.1.031	28
29	FF-10 WAITING ROOM 10.1.031		20 A	1			1380 VA 1500 VA	1	20 A		COPY WORK ROOM 10.1.036	30
31	PRINTER WORK ROOM 10.1.036		20 A	1	360 VA 720 VA			1	20 A		RECEPTACLE WORK ROOM 10.1.036	32
33	RECEPTACLE OFFICE 10.1.040		20 A	1		1440 VA 1440 VA		1	20 A		RECEPTACLE OFFICE 10.1.118	34
35	RECEPTACLE OFFICE 10.1.122		20 A	1			1440 VA 1440 VA	1	20 A		RECEPTACLE OFFICE 10.1.041	36
37	RECEPTACLE OFFICE 10.1.043		20 A	1	1440 VA 720 VA			1	20 A		RECEPTACLE OFFICE 10.1.126	38
39	RECEPTACLE OFFICE 10.1.045		20 A	1		720 VA 720 VA		1	20 A		RECEPTACLE OFFICE 10.1.128	40
41	SPARE		20 A	1			0 VA 0 VA	1	20 A		SPARE	42
43	SPARE		20 A	1	0 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:		14.64 kVA	15.64 kVA	14.38 kVA					
			Total Amps:		122 A	131 A	120 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	29520 VA	66.94%	19760 VA		
CONTINUOUS	2000 VA	125.00%	2500 VA	**Total Conn. Load:**	44.66 kVA
NONCONTINUOUS	13140 VA	100.00%	13140 VA	**Total Est. Demand:**	35.40 kVA
				Total Conn.:	124 A
				Total Est. Demand:	98 A

Notes:

Branch Panel: 010PL2A

Location: MECHANICAL 10.2.084
Supply From: 010TX-PL2A
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MCB
Bus Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	EWC-2 CORRIDOR 10.2.031	G	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	SPARE		20 A	1	0 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 RECPT WAITING RM...		20 A	1	720 VA 720 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 RECEPTIONFILE 10.2.041		20 A	1	540 VA 960 VA			1	20 A		RECEPTACLE RECEPTIONFILE 10.2.041	26
27	RECPT RECEPTIONFILE 10.2.041		20 A	1		180 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 540 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 360 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	540 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 720 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
		1	**Total Load:**		14.72 kVA	14.38 kVA	16.40 kVA					
			Total Amps:		123 A	120 A	137 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	27000 VA	68.52%	18500 VA		
CONTINUOUS	3000 VA	125.00%	3750 VA	**Total Conn. Load:**	45.50 kVA
NONCONTINUOUS	15404 VA	100.00%	15404 VA	**Total Est. Demand:**	37.75 kVA
HVAC	100 VA	100.00%	100 VA	**Total Conn.:**	126 A
				Total Est. Demand:	105 A

Notes:

Branch Panel: 010PL2B

Location: ELECT. 10.2.012
Supply From: 010TX-PL2B
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MCB
Bus Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	RECEPTACLE CORRIDOR 10.2.031		20 A	1	900 VA 1080 VA			1	20 A		RECEPTACLE COURTROOM 10.2.023	2
3	JUDGE RECEPTACLE COURTROOM 10.2.023		20 A	1		720 VA 540 VA		1	20 A		RECEPTACLE COURTROOM 10.2.023	4
5	RECEPTACLE OPEN OFFICE 10.2.034		20 A	1			720 VA 540 VA	1	20 A		RECEPTACLE OPEN OFFICE 10.2.034	6
7	NONCONTINUOUS OPEN OFFICE 10.2.034		20 A	1	1500 VA 180 VA			1	20 A		COPIER RECEPTACLE OPEN OFFICE 10.2.034	8
9	PRINTER COUNTER OPEN OFFICE 10.2.034		20 A	1		1200 VA 540 VA		1	20 A		RECEPTACLE OPEN OFFICE 10.2.034	10
11	RECEPTACLE OPEN OFFICE 10.2.034		20 A	1			720 VA 1440 VA	1	20 A		RECEPTACLE OFFICE 10.2.048	12
13	PRINTER STORAGE 10.2.073		20 A	1	600 VA 540 VA			1	20 A		RECEPTACLE OFFICE 10.2.072	14
15	RECEPTACLE STORAGE 10.2.073		20 A	1		900 VA 720 VA		1	20 A		RECEPTACLE CORRIDOR 10.2.007	16
17	RECEPTACLE WAITING ROOM 10.2.018		20 A	1			720 VA 360 VA	1	20 A		RECEPTACLE CONFERENCE ROOM 10.2.019	18
19	FF-13 OPEN OFFICE 10.2.022		20 A	1	900 VA 600 VA			1	20 A		FF-12 OPEN OFFICE 10.2.022	20
21	RECEPTACLE CHAMBERS 10.2.026		20 A	1		1080 VA 600 VA		1	20 A		PRINTER WORK AREA 10.2.025	22
23	COPIER WORK AREA 10.2.025		20 A	1			1500 VA 900 VA	1	20 A		RECEPTACLE CHAMBERS 10.2.024	24
25	RECEPTACLE STORAGE 10.2.028		20 A	1	360 VA 1100 VA			1	20 A	G	MICRO KITCHENETTE 10.2.036	26
27	RECEPTACLE KITCHENETTE 10.2.036		20 A	1		180 VA 1000 VA		1	20 A	G	FRIG KITCHENETTE 10.2.036	28
29	FRIG KITCHENETTE 10.2.030	G	20 A	1			1000 VA 180 VA	1	20 A		RECEPTACLE KITCHENETTE 10.2.030	30
31	MICRO KITCHENETTE 10.2.030	G	20 A	1	1100 VA 1080 VA			1	20 A		FF-11 OPEN OFFICE 10.2.027	32
33	RECEPTACLE CHAMBERS 10.2.011		20 A	1		900 VA 540 VA		1	20 A		RECEPTACLE CONFERENCE ROOM 10.2.020	34
35	RECEPTACLE COURTROOM 10.2.021		20 A	1			540 VA 900 VA	1	20 A		RECEPTACLE COURTROOM 10.2.021	36
37	JUDGE RECEPTACLE COURTROOM 10.2.021		20 A	1	720 VA 600 VA			1	20 A		PRINTER RECEPTACLE COURTROOM 10.2.021	38
39	PRINTER RECEPTACLE COURTROOM 10.2.010		20 A	1		600 VA 720 VA		1	20 A		JUDGE RECEPTACLE COURTROOM 10.2.010	40
41	RECEPTACLE COURTROOM 10.2.010		20 A	1			1260 VA 540 VA	1	20 A		RECEPTACLE COURTROOM 10.2.010	42
43	PRINTER RECEPTACLE COURTROOM 10.2.023		20 A	1	780 VA 600 VA			1	20 A		DFS- 18.2 FAN HVAC	44
45	RECEPTACLE CORRIDOR 10.2.001		20 A	1		720 VA 720 VA		1	20 A		PA-16 RESTROOM 10.2.015	46
47	PA-15 RESTROOM 10.2.014		20 A	1			720 VA 504 VA	1	20 A	G	EWC-2 CORRIDOR 10.2.001	48
49	DSF-3 FAN HVAC		20 A	1	300 VA 400 VA			1	20 A		HVAC ELECT. 10.2.012	50
51	RECEPTACLE WAITING ROOM 10.2.009		20 A	1		540 VA 360 VA		1	20 A		RECEPTACLE CONFERENCE ROOM 10.2.008	52
53	RECEPTACLE CORRIDOR 10.2.001		20 A	1			720 VA 180 VA	1	20 A		RECEPTACLE STORAGE 10.2.037	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:		13.34 kVA	12.58 kVA	13.44 kVA					
			Total Amps:		112 A	105 A	113 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	1440 VA	112.50%	1620 VA		
RECEPTACLE	22320 VA	72.40%	16160 VA	**Total Conn. Load:**	39.36 kVA
CONTINUOUS	2000 VA	125.00%	2500 VA	**Total Est. Demand:**	33.88 kVA
NONCONTINUOUS	12304 VA	100.00%	12304 VA	**Total Conn.:**	109 A
HVAC	1300 VA	100.00%	1300 VA	**Total Est. Demand:**	94 A

Notes:

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI Office: (608) 442-5055
Fax: (920) 751-4284
Tel: (920) 751-4200
www.mcmgrp.com

McMahon provides this drawing and the information hereon "as is" as instrument of service. All rights including copyrights are reserved by McMahon. Recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or media modified without McMahon

NO.	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
PANEL DIRECTORIES, SHEET 3 OF 7-OCAC NORTH

SHEET 1

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EF843

C:\Revit Projects\16_1108 OCAC_Elec_marson.rvt

3/30/2017 10:32:29 AM

Branch Panel: 010PL3A

Location:
Supply From: 010TX-PL3A
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MCB
Bus Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	EWC-2 CORRIDOR 10.3.009	G	20 A	1	504 VA 1260 VA			1	20 A		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 HAVC 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			600 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		800 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 900 VA		1	20 A		RECEPTACLE OFFICE 10.3.119	46
47	RECEPTACLE OFFICE 10.3.121		20 A	1			720 VA 400 VA	1	20 A		OPEN OFFICE 10.3.136	48
49	RECEPTACLE OPEN OFFICE 10.3.136		20 A	1	180 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			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		SPACE	72
				Total Load:	17.06 kVA	17.20 kVA	14.78 kVA					
				Total Amps:	145 A	146 A	123 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	37440 VA	63.35%	23720 VA		
CONTINUOUS	5000 VA	125.00%	6250 VA	**Total Conn. Load:**	49.04 kVA
NONCONTINUOUS	6504 VA	100.00%	6504 VA	**Total Est. Demand:**	36.57 kVA
HVAC	100 VA	100.00%	100 VA	**Total Conn.:**	136 A
				Total Est. Demand:	102 A

Notes:

Branch Panel: 010PL3BL

Location: ELECTRICAL 10.3.003
Supply From: 010TX-PL3B
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MCB
Bus Rating: 225 A
MCB Rating: 225 A

Notes:
FEED THROUGH LUGS

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	ECW-2 WAITING ROOM 10.3.010	G	20 A	1	504 VA 540 VA			1	20 A		RECEPTACLE WAITING ROOM 10.3.010	2
3	RECEPTACLE WAITING ROOM 10.3.010		20 A	1		540 VA 1656 VA		1	25 A		RE-3 HVAC ROOFTOP	4
5	RECEPTACLE ROOFTOP		20 A	1			360 VA 900 VA	1	20 A		RECEPTACLE CORRIDOR 10.3.009	6
7	MICRO KITCHENETTE 10.3.028	G	20 A	1	1100 VA 1000 VA			1	20 A	G	FRIG KITCHENETTE 10.3.028	8
9	RECEPTACLE KITCHENETTE 10.3.028		20 A	1		180 VA 1500 VA		1	20 A		COPIER WORK AREA 10.3.018	10
11	RECEPTACLE WORK AREA 10.3.018		20 A	1			360 VA 1440 VA	1	20 A		RECEPTACLE OFFICE 10.3.016	12
13	RECEPTACLE OFFICE 10.3.013		20 A	1	720 VA 400 VA			1	20 A		CH-3 & CH-4 HVAC WOMENS 10.3.006	14
15	CORRIDOR 10.3.001		20 A	1		720 VA 720 VA		1	20 A		PA-23 MENS 10.3.005	16
17	RECEPTACLE WOMENS 10.3.006		20 A	1			1080 VA 400 VA	1	20 A		CE-6 HVAC ELECTRICAL 10.3.003	18
19	EWC-2 CORRIDOR 10.3.001	G	20 A	1	504 VA 540 VA			1	20 A		RECEPTACLE STAFF BREAK ROOM 10.3.002	20
21	RECPECTACLES NORTH STAFF BREAK ROOM...		20 A	1		360 VA 180 VA		1	20 A		WALL RECEPTACLE STAFF BREAK ROOM...	22
23	WALL RECEPTACLE STAFF BREAK ROOM...		20 A	1			180 VA 180 VA	1	20 A		WALL RECEPTACLE STAFF BREAK ROOM...	24
25	WALL RECEPTACLE STAFF BREAK ROOM...		20 A	1	180 VA 180 VA			1	20 A		WALL RECEPTACLE STAFF BREAK ROOM...	26
27	VENDING STAFF BREAK ROOM 10.3.002	G	20 A	1		1440 VA 1440 VA		1	20 A	G	VENDING STAFF BREAK ROOM 10.3.002	28
29	VENDING STAFF BREAK ROOM 10.3.002	G	20 A	1			1440 VA 180 VA	1	20 A		RECEPTACLE STAFF BREAK ROOM 10.3.002	30
31	RECEPTACLE STAFF BREAK ROOM 10.3.002		20 A	1	180 VA 180 VA			1	20 A		RECEPTACLE STAFF BREAK ROOM 10.3.002	32
33	STAFF BREAK ROOM 10.3.002	G	20 A	1		1100 VA 1100 VA		1	20 A	G	STAFF BREAK ROOM 10.3.002	34
35	STAFF BREAK ROOM 10.3.002	G	20 A	1			1100 VA 0 VA	1	20 A		SPARE	36
37	SPARE		20 A	1	0 VA 0 VA			1	20 A		SPARE	38
39	SPARE		20 A	1		0 VA 0 VA		1	20 A		SPARE	40
41	SPARE		20 A	1			0 VA 0 VA	1	20 A		SPARE	42
43	SPARE		20 A	1	0 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	SPACE		--	--	0 VA 0 VA			1	20 A		SPARE	50
51	SPACE		--	--		0 VA 0 VA		1	20 A		SPARE	52
53	SPACE		--	--			0 VA 0 VA	1	20 A		SPARE	54
				Total Load:	20.97 kVA	26.96 kVA	20.48 kVA					
				Total Amps:	175 A	225 A	171 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	1440 VA	112.50%	1620 VA		
RECEPTACLE	48600 VA	60.29%	29300 VA	**Total Conn. Load:**	68.40 kVA
CONTINUOUS	1720 VA	125.00%	2150 VA	**Total Est. Demand:**	49.71 kVA
NONCONTINUOUS	13788 VA	100.00%	13788 VA	**Total Conn.:**	190 A
HVAC	2856 VA	100.00%	2856 VA	**Total Est. Demand:**	138 A

Notes:
PROVIDE FEED THRU LUGS TO FEED PANEL 010PL3BR.

Branch Panel: 010PL3BR

Location: ELECTRICAL 10.3.003
Supply From: 010PL3BL
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MLO
Bus Rating: 225 A

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		900 VA 900 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	1260 VA 720 VA			1	20 A		RECEPTACLE CORRIDOR 10.3.045	8
9	RECEPTACLE CONFERENCE ROOM 3 10.3.087		20 A	1		900 VA 1440 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	900 VA 720 VA			1	20 A		RECEPTACLE OFFICE 10.3.080	14
15	RECEPTACLE OFFICE 10.3.055		20 A	1		1080 VA 1440 VA		1	20 A		RECEPTACLE OFFICE 10.3.057	16
17	RECEPTACLE OFFICE 10.3.078		20 A	1			720 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	TELEHEALTH 10.3.033		20 A	1	900 VA 720 VA			1	20 A		RECEPTACLE OFFICE 10.3.035	26
27	RECEPTACLE OFFICE 10.3.035		20 A	1		720 VA 720 VA		1	20 A		RECEPTACLE OFFICE 10.3.037	28
29	RECEPTACLE STORAGE 10.3.052		20 A	1			900 VA 1260 VA	1	20 A		RECEPTACLE OFFICE 10.3.039	30
31	RECEPTACLE CORRIDOR 10.3.029		20 A	1	1080 VA 780 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			1080 VA 1440 VA	1	20 A		RECEPTACLE OFFICE 10.3.017	36
37	RECEPTACLE OFFICE 10.3.040		20 A	1	1080 VA 1440 VA			1	20 A		RECEPTACLE OFFICE 10.3.021	38
39	RECEPTACLE OFFICE 10.3.036		20 A	1		1440 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			1	--	--	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
				Total Load:	14.94 kVA	16.02 kVA	12.86 kVA					
				Total Amps:	127 A	136 A	107 A					

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	40140 VA	62.46%	25070 VA		
CONTINUOUS	720 VA	125.00%	900 VA	**Total Conn. Load:**	43.82 kVA
NONCONTINUOUS	2560 VA	100.00%	2560 VA	**Total Est. Demand:**	28.93 kVA
HVAC	400 VA	100.00%	400 VA	**Total Conn.:**	122 A
				Total Est. Demand:	80 A

Notes:

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI (608) 661-4000 Milwaukee, WI (262) 317-1405
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all electronic files "AS IS" as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from any claims or damages resulting from any changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
PANEL DIRECTORIES, SHEET 4 OF 7-OCAC NORTH

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EF844

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:31 AM

Branch Panel: 010DPHSB1A

Location: ELECTRICAL ROOM 10.1.145A
Supply From: 010ATS-SB1A
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65K AIC
Mains Type: MCB
Bus Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				4924 VA	22656...					2
3	010TX-PLSB2B	45 A	3		4120 VA	26356...	3	110 A	010TX-DPLSB1A	4
5						4656 VA	23104...			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	SPACE	--	--	0 VA	0 VA		--	--	SPACE	14
15	SPACE	--	--		0 VA	0 VA	--	--	SPACE	16
17	SPACE	--	--			0 VA	--	--	SPACE	18
19	SPACE	--	--	0 VA	0 VA		--	--	SPACE	20
21	SPACE	--	--		0 VA	0 VA	--	--	SPACE	22
23	SPACE	--	--			0 VA	--	--	SPACE	24
25	SPACE	--	--	0 VA	0 VA		--	--	SPACE	26
27	SPACE	--	--		0 VA	0 VA	--	--	SPACE	28
29	SPACE	--	--			0 VA	--	--	SPACE	30
31	SPACE	--	--	0 VA	0 VA		--	--	SPACE	32
33	SPACE	--	--		0 VA	0 VA	--	--	SPACE	34
35	SPACE	--	--			0 VA	--	--	SPACE	36
37										38
39										40
41										42
		Total Load:		43.09 kVA	45.99 kVA	43.27 kVA				
		Total Amps:		156 A	166 A	156 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	0 VA	0.00%	0 VA		
Motor	47688 VA	112.20%	53505 VA	**Total Conn. Load:**	132.35 kVA
RECEPTACLE	18540 VA	76.97%	14270 VA	**Total Est. Demand:**	138.00 kVA
CONTINUOUS	16420 VA	125.00%	20525 VA	**Total Conn.:**	159 A
KITCHEN EQUIPMENT	200 VA	100.00%	200 VA	**Total Est. Demand:**	166 A
NONCONTINUOUS	8380 VA	100.00%	8380 VA		
HVAC	41124 VA	100.00%	41124 VA		

Notes:

Branch Panel: 010DPLSB1A

Location: ELECTRICAL 10.1.025
Supply From: 010TX-DPLSB1A
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MLO
Bus Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1					6456 VA	8052 VA						2
3	010PLSB1A		100 A	3		8372 VA	7792 VA	3	100 A		010PLSB2A	4
5							6772 VA	7800 VA				6
7					8148 VA	0 VA		1	20 A		SPARE	8
9	010PLSB3A		100 A	3		10192...	0 VA	1	20 A		SPARE	10
11							8532 VA	0 VA	1	20 A		SPARE	12
13	SPARE		20 A	1	0 VA	0 VA		1	20 A		SPARE	14
15	SPARE		20 A	1		0 VA	0 VA	1	20 A		SPARE	16
17	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	18
19	SPARE		20 A	1	0 VA	0 VA						--	--		SPACE	20
21	SPARE		20 A	1		0 VA	0 VA					--	--		SPACE	22
23	SPARE		20 A	1			0 VA	0 VA	--	--		SPACE	24
25	SPACE		--	--	0 VA	0 VA						--	--		SPACE	26
27	SPACE		--	--		0 VA	0 VA					--	--		SPACE	28
29	SPACE		--	--			0 VA	0 VA	--	--		SPACE	30
31	SPACE		--	--	0 VA	0 VA						--	--		SPACE	32
33	SPACE		--	--		0 VA	0 VA					--	--		SPACE	34
35	SPACE		--	--			0 VA	0 VA	--	--		SPACE	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:		22.66 kVA	26.36 kVA	23.10 kVA						
			Total Amps:		189 A	220 A	193 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		
Motor	576 VA	125.00%	720 VA	**Total Conn. Load:**	72.12 kVA
RECEPTACLE	16920 VA	79.55%	13460 VA	**Total Est. Demand:**	72.08 kVA
CONTINUOUS	13120 VA	125.00%	16400 VA	**Total Conn.:**	200 A
NONCONTINUOUS	8200 VA	100.00%	8200 VA	**Total Est. Demand:**	200 A
HVAC	33300 VA	100.00%	33300 VA		

Notes:

Branch Panel: 010PLSB1A

Location: ELECTRICAL 10.1.025
Supply From: 010DPLSB1A
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MLO
Bus Rating: 100 A

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 EAST10.1.003		20 A	1		1180 VA	840 VA	1	20 A		RECEPTACLE SCREENING 10.1.003	4
5	RECEPTACLE CJU 10.1.005		20 A	1			720 VA	720 VA	1	20 A		RECEPTACLE CJU 10.1.005	6
7	RECEPTACLE CJU 10.1.005		20 A	1	180 VA	1100 VA			1	20 A	G	MICRO CJU 10.1.005	8
9	FRIG CJU 10.1.005	G	20 A	1			1000 VA	360 VA	1	20 A		RECEPTACLE CJU 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				2	15 A		RAC-1 HVAC IT 10.1.034	14
15	RECEPTACLE IT 10.1.034		20 A	1			360 VA	1560 VA						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	576 VA					1	20 A	SUMP PUMP ELEVATOR 10.E1	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:		6.46 kVA		8.37 kVA		6.77 kVA					
			Total Amps:		54 A		70 A		57 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		
Motor	576 VA	125.00%	720 VA	**Total Conn. Load:**	21.60 kVA
RECEPTACLE	3960 VA	100.00%	3960 VA	**Total Est. Demand:**	23.01 kVA
CONTINUOUS	5080 VA	125.00%	6350 VA	**Total Conn.:**	60 A
NONCONTINUOUS	4780 VA	100.00%	4780 VA	**Total Est. Demand:**	64 A
HVAC	7204 VA	100.00%	7204 VA		

Notes:

Branch Panel: 010PLSB2B

Location: MECHANICAL 10.2.084
Supply From: 010TX-PLSB2B
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MCB
Bus Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	GFCI ELEVATOR 10.E2		20 A	1	180 VA	360 VA		1	15 A		ODS-2 ELEVATOR 10.E2	2
3	CAMERA MONITOR OPEN OFFICE 10.1.139		20 A	1		300 VA	360 VA	1	20 A		RECEPTACLE 10.1.145	4
5	BAS-1 HVAC MECHANICAL 10.1.145		20 A	1			1920 VA	400 VA	1	20 A		BAS-WK-1 HVAC MECHANICAL 10.1.145	6
7	BAS-2 HVAC MECHANICAL 10.2.084		20 A	1	1920 VA	400 VA			1	20 A		BAS-WK-2 HAVC MECHANICAL 10.2.084	8
9	RECEPTACLE MECHANICAL 10.2.084		20 A	1		360 VA	180 VA		1	20 A		GFCI ELEVATOR 10.E2	10
11	RECEPTACLE MECHANICAL 10.3.123		20 A	1			360 VA	400 VA	1	20 A		BAS-WK-3 HVAC MECHANICAL 10.3.123	12
13	RE-6 HVAC ROOFTOP		15 A	1	864 VA	1200 VA			1	20 A		STAFF WORK FRIG 03.3.141	14
15	BAS-3 HVAC MECHANICAL 10.3.123		20 A	1		1920 VA	1000 VA		1	20 A		STAFF WORK FRIG 03.3.141	16
17	SUMP PUMP ELEVATOR 10.E2		20 A	1			576 VA	1000 VA	1	20 A		STAFF WORK FRIG 03.3.141	18
19	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	20
21	SPARE		20 A	1		0 VA	0 VA		1	20 A		SPARE	22
23	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	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	SPACE		--	--			0 VA	0 VA	--	--		SPACE	30
			Total Load:		4.92 kVA	4.12 kVA	4.66 kVA						
			Total Amps:		42 A	34 A	39 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	0 VA	0.00%	0 VA		
Motor	576 VA	125.00%	720 VA	**Total Conn. Load:**	13.70 kVA
RECEPTACLE	1620 VA	100.00%	1620 VA	**Total Est. Demand:**	14.67 kVA
CONTINUOUS	3300 VA	125.00%	4125 VA	**Total Conn.:**	38 A
KITCHEN EQUIPMENT	200 VA	100.00%	200 VA	**Total Est. Demand:**	41 A
NONCONTINUOUS	180 VA	100.00%	180 VA		
HVAC	7824 VA	100.00%	7824 VA		

Notes:

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI Office: 2711 International Lane 53704
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information herein on an "as is" basis. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from any reuse or changes made to the original drawings or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
PANEL DIRECTORIES, SHEET 5 OF 7-OCAC NORTH STANDBY PANELS

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EF845

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 11:35:33 AM

Branch Panel: 010PHEM1A

Location: ELECTRICAL ROOM 10.1.145A
Supply From: 010ATS-EM1A
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65K AIC
Mains Type: MCB
Bus Rating: 250 A
MCB Rating: 125 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A		B		C		Poles	Trip	Type	Circuit Description	CKT
1					6996 VA	70 VA					1	20 A		LIGHTING ROOM 10.1.160, 10.1.078, 10.1.139,...	2
3	010TX-PLEM1A		50 A	3			7392 VA	351 VA			1	20 A		LIGHTING ROOM 10.1.036, 10.1.060, 10.1.075,...	4
5									5760 VA	0 VA	1	20 A		SPARE	6
7	SPACE		--	--	0 VA	0 VA					1	20 A		SPARE	8
9	SPACE		--	--			0 VA	0 VA			1	20 A		SPARE	10
11	SPACE		--	--					0 VA	0 VA	--	--		SPACE	12
13	SPACE		--	--	0 VA	0 VA					--	--		SPACE	14
15	SPACE		--	--			0 VA	0 VA			--	--		SPACE	16
17	SPACE		--	--					0 VA	0 VA	--	--		SPACE	18
19	SPACE		--	--	0 VA	0 VA					--	--		SPACE	20
21	SPACE		--	--			0 VA	0 VA			--	--		SPACE	22
23	SPACE		--	--					0 VA	0 VA	--	--		SPACE	24
25	SPACE		--	--	0 VA	0 VA					--	--		SPACE	26
27	SPACE		--	--			0 VA	0 VA			--	--		SPACE	28
29	SPACE		--	--					0 VA	0 VA	--	--		SPACE	30
					Total Load:		7.63 kVA		8.16 kVA		5.76 kVA				
					Total Amps:		29 A		31 A		21 A				

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	2844 VA	125.00%	3555 VA		
Motor	11520 VA	101.56%	11700 VA	**Total Conn. Load:**	21.55 kVA
NONCONTINUOUS	7188 VA	100.00%	7188 VA	**Total Est. Demand:**	22.44 kVA
				Total Conn.:	26 A
				Total Est. Demand:	27 A

Notes:
PROVIDE FEED THRU LUGS TO FEED PANEL 010PHEM3A.

Branch Panel: 010PLEM1A

Location: ELECTRICAL ROOM 10.1.145A
Supply From: 010TX-PLEM1A
Mounting: SURFACE
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MCB
Bus Rating: 250 A
MCB Rating: 125 A

Notes:

CKT	Circuit Description	Type	Trip	Poles	A		B		C		Poles	Trip	Type	Circuit Description	CKT
1	PA-20 CORRIDOR 10.2.031		20 A	1	0 VA	1176 VA					1	20 A		FG-1 FIRE GATE CORRIDOR 03.1.189	2
3	PA-22 WAITING ROOM 10.2.038		20 A	1			720 VA	720 VA			1	20 A		PA-13 WAITING ROOM 10.1.078	4
5	PA-21 WAITING ROOM 10.2.033		20 A	1					720 VA	4320 VA					6
7	SPARE		20 A	1	0 VA	4380 VA					3	60 A		010PLEM1B	8
9	SPARE		20 A	1			0 VA	5232 VA							10
11	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	12
13	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	14
15	SPACE		--	--			0 VA	0 VA			--	--		SPACE	16
17	SPACE		--	--					0 VA	0 VA	--	--		SPACE	18
19	SPACE		--	--	0 VA	0 VA					--	--		SPACE	20
21	SPACE		--	--			0 VA	0 VA			--	--		SPACE	22
23	SPACE		--	--					0 VA	0 VA	--	--		SPACE	24
25	SPACE		--	--	0 VA	0 VA					--	--		SPACE	26
27	SPACE		--	--			0 VA	0 VA			--	--		SPACE	28
29	SPACE		--	--					0 VA	0 VA	--	--		SPACE	30
					Total Load:		7.00 kVA		7.39 kVA		5.76 kVA				
					Total Amps:		60 A		63 A		48 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	1440 VA	125.00%	1800 VA		
Motor	11520 VA	101.56%	11700 VA	**Total Conn. Load:**	20.15 kVA
NONCONTINUOUS	7188 VA	100.00%	7188 VA	**Total Est. Demand:**	20.69 kVA
				Total Conn.:	56 A
				Total Est. Demand:	57 A

Notes:
PROVIDE FEED THRU LUGS TO FEED PANEL 010PLEM3A.

Branch Panel: 010PLEM1B

Location: ELECTRICAL 10.1.025
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: 125 A

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	CORRIDOR 10.3.009		20 A	1					1176 VA	1176 VA	1	20 A		CORRIDOR 10.3.001	18
19	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	20
21	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	22
23	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	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
					Total Load:		4.32 kVA		4.38 kVA		5.23 kVA				
					Total Amps:		36 A		37 A		44 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		
Motor	9360 VA	101.92%	9540 VA	**Total Conn. Load:**	13.93 kVA
NONCONTINUOUS	4572 VA	100.00%	4572 VA	**Total Est. Demand:**	14.11 kVA
				Total Conn.:	39 A
				Total Est. Demand:	39 A

Notes:

Branch Panel: 010PHEM3A

Location:
Supply From: 010PHEM1A
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Mains Type: MLO
Bus Rating: 250 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LIGHTING ROOM 10.3.005, 10.3.006, 10.3.024, 10.3.02...	20 A	1	491 VA	70 VA					1	20 A	LIGHTING ROOM 10.3.010, 03.3.140, 03.3.173, 10.3.04...	2
3	LIGHTING ROOM 10.2.023, 10.2.022, 10.2.033, 10.2.03...	20 A	1			351 VA	70 VA			1	20 A	LIGHTING ROOM 10.2.045, 10.2.039, 10.2.055, 10.2.05...	4
5	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	6
7	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	8
9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	10
11	SPACE	--	--					0 VA	0 VA	--	--	SPACE	12
13	SPACE	--	--	0 VA	0 VA					--	--	SPACE	14
15	SPACE	--	--			0 VA	0 VA			--	--	SPACE	16
17	SPACE	--	--					0 VA	0 VA	--	--	SPACE	18
19	SPACE	--	--	0 VA	0 VA					--	--	SPACE	20
21	SPACE	--	--			0 VA	0 VA			--	--	SPACE	22
23	SPACE	--	--					0 VA	0 VA	--	--	SPACE	24
25	SPACE	--	--	0 VA	0 VA					--	--	SPACE	26
27	SPACE	--	--			0 VA	0 VA			--	--	SPACE	28
29	SPACE	--	--					0 VA	0 VA	--	--	SPACE	30
		Total Load:		0.56 kVA		0.42 kVA		0.00 kVA					
		Total Amps:		2 A		2 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	983 VA	125.00%	1229 VA		
				Total Conn. Load:	0.98 kVA
				Total Est. Demand:	1.23 kVA
				Total Conn.:	1 A
				Total Est. Demand:	1 A

Notes:

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	0 VA					1	20 A		SPARE	2
3	PA-25 WAITING ROOM 10.3.010		20 A	1			720 VA	0 VA			1	20 A		SPARE	4
5	PA-27 WAITING ROOM 03.3.137		20 A	1					720 VA	0 VA	1	20 A		SPARE	6
7	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	8
9	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	10
11	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	12
13	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	14
15	SPACE		--	--			0 VA	0 VA			--	--		SPACE	16
17	SPACE		--	--					0 VA	0 VA	--	--		SPACE	18
19	SPACE		--	--	0 VA	0 VA					--	--		SPACE	20
21	SPACE		--	--			0 VA	0 VA			--	--		SPACE	22
23	SPACE		--	--					0 VA	0 VA	--	--		SPACE	24
25	SPACE		--	--	0 VA	0 VA					--	--		SPACE	26
27	SPACE		--	--			0 VA	0 VA			--	--		SPACE	28
29	SPACE		--	--					0 VA	0 VA	--	--		SPACE	30
			Total Load:		1.44 kVA		0.72 kVA		0.72 kVA						
			Total Amps:		12 A		6 A		6 A						

Legend:

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

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	1440 VA	125.00%	1800 VA		
NONCONTINUOUS	1440 VA	100.00%	1440 VA	**Total Conn. Load:**	2.88 kVA
				Total Est. Demand:	3.24 kVA
				Total Conn.:	8 A
				Total Est. Demand:	9 A

Notes:

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI Office: (608) 442-5054 Milwaukee, WI Office: (414) 755-4505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all information herein for use as instrument of service. All rights including copyrights are reserved. Any recipient agrees to the above restrictions and agrees not to indemnify and hold McMahon and its consultants harmless for changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
PANEL DIRECTORIES, SHEET 7 OF 7-OCAC NORTH EMERGENCY PANELS

DESIGNED	DRAWN
RJW	MAL

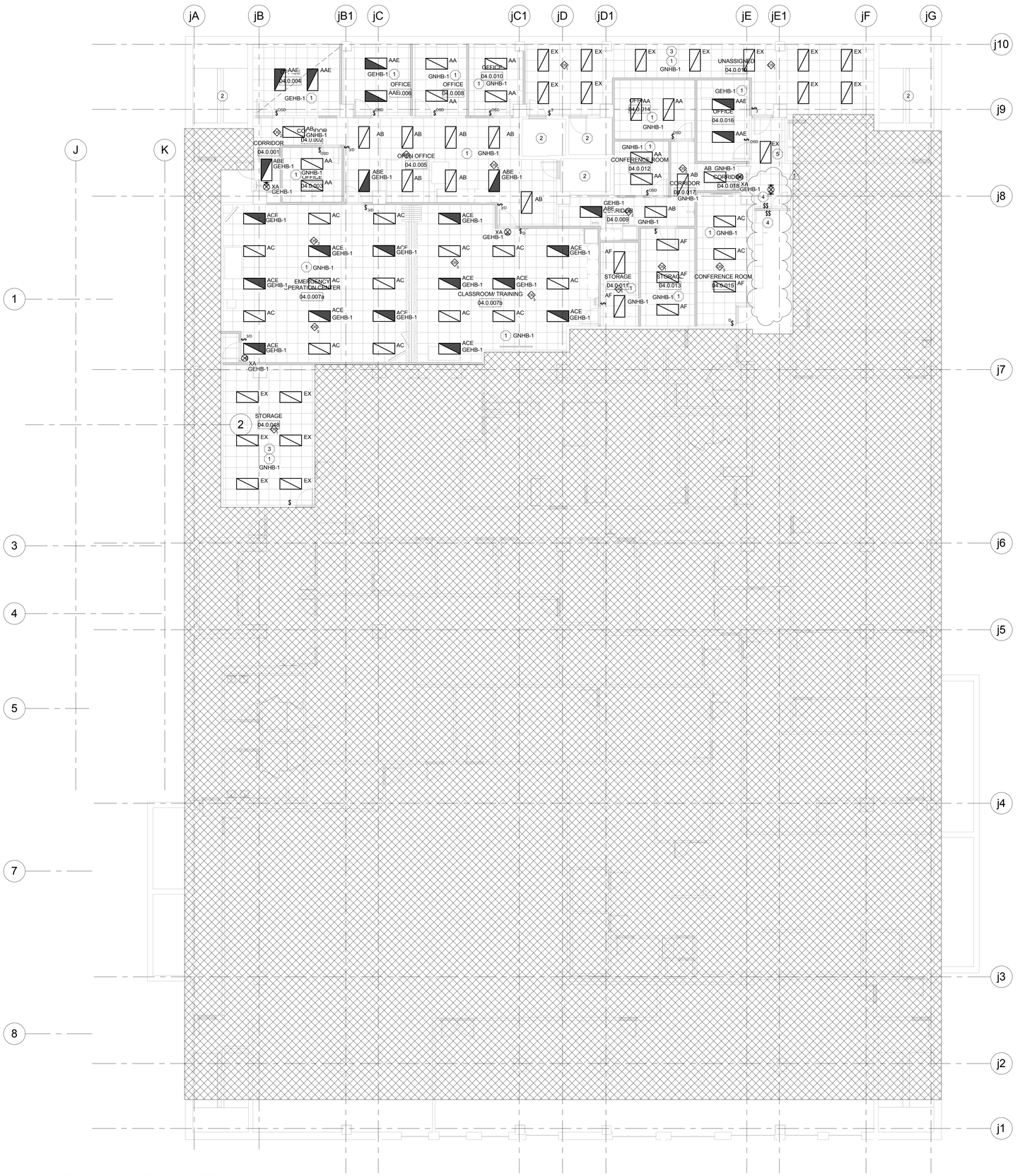
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EF847

C:\Revit Projects\16_1108 OCAC_Elec_mlanson.rvt

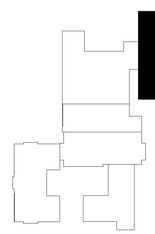
3/30/2017 10:32:37 AM



1 LEVEL 780.00 LIGHTING PLAN-JUSTICE CENTER

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

PLAN KEY



McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI Office (608) 661-1543 Fax: (608) 661-1505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all electronic files as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

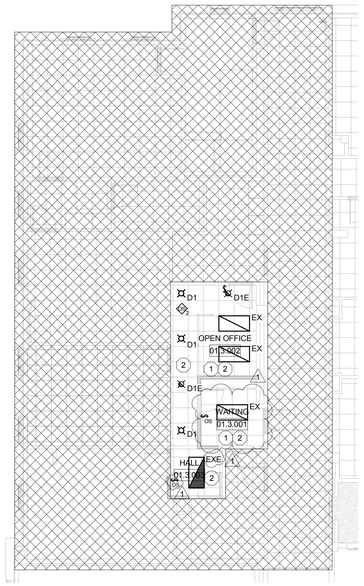
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EL230

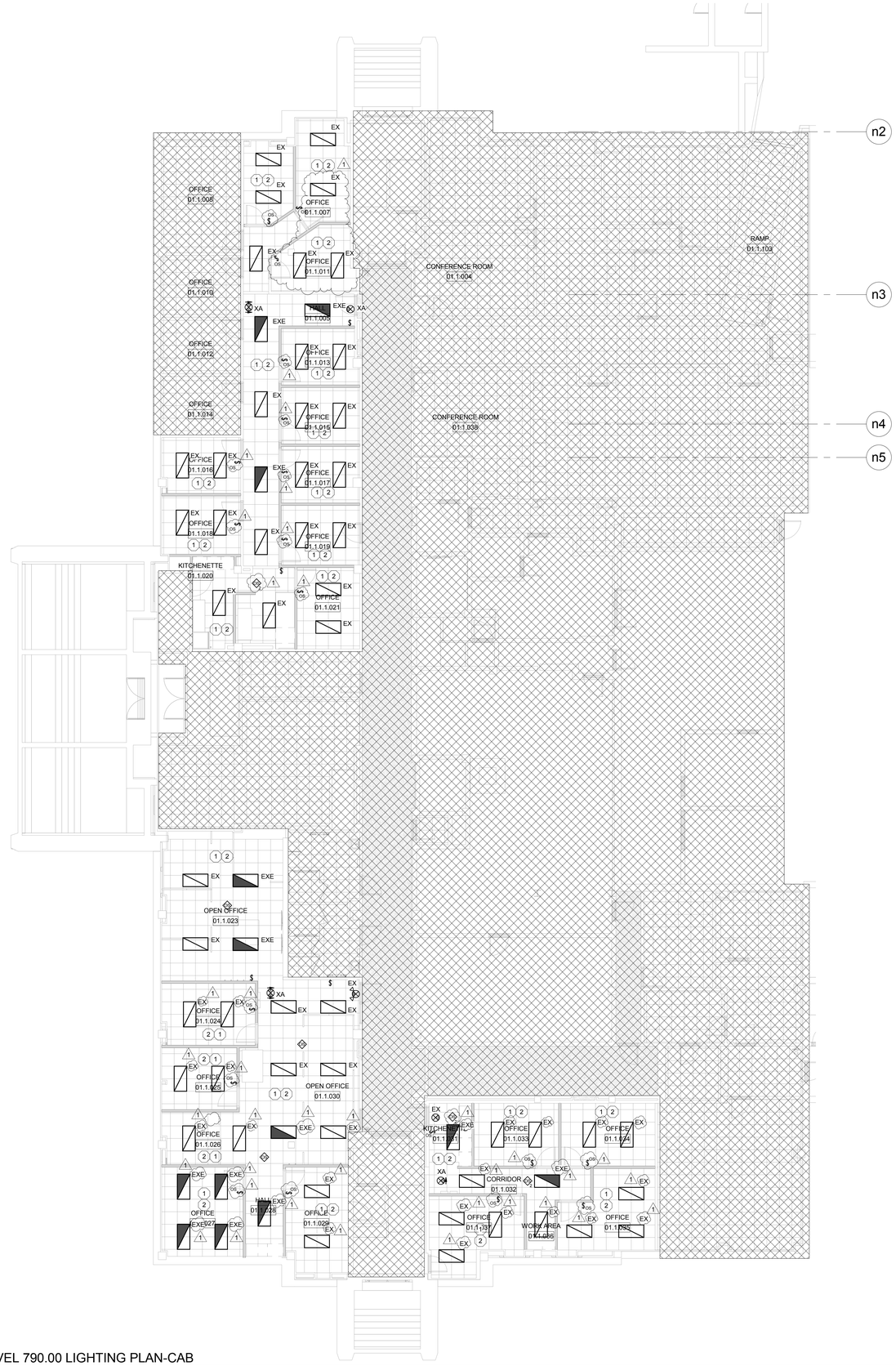
C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:43 AM



2 LEVEL 820.00 LIGHTING PLAN-CAB

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



1 LEVEL 790.00 LIGHTING PLAN-CAB

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

NORTH

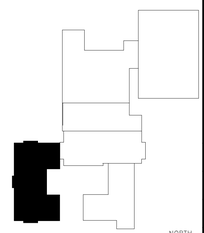
GENERAL NOTES:

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.



PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Rockford, IL 61107
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design concept for your use as instrument of service. All rights including property are reserved. Acceptance of this document and/or recipient agrees to the following conditions: Recipient to indemnify and hold McMahon harmless for misuse of or changes made to the original drawing or data without prior written approval by McMahon.

NO.	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
EL231

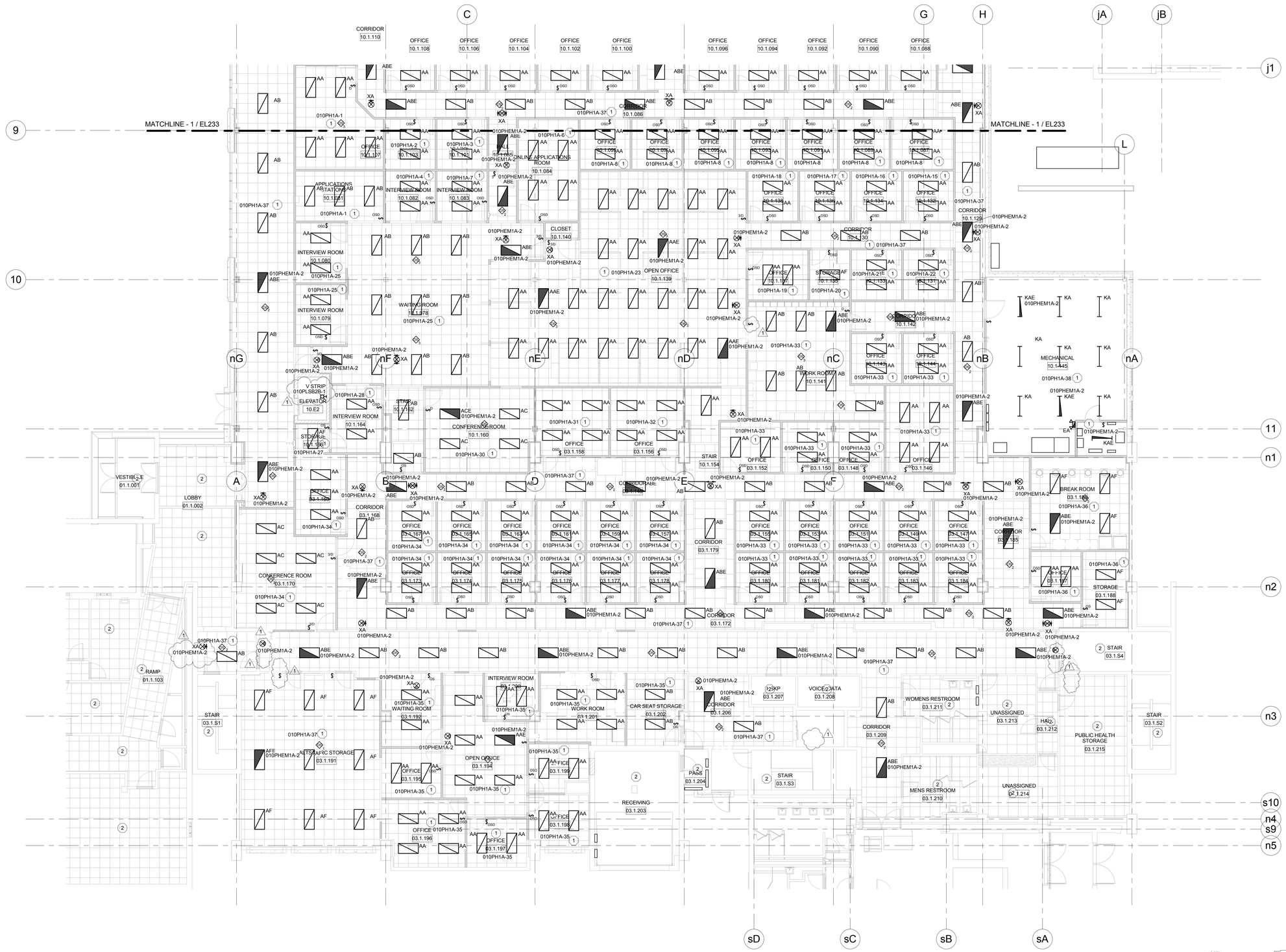
C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:50 AM

PLAN NOTES: (#)

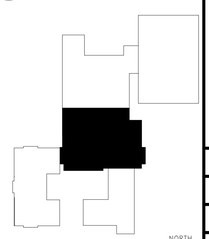
1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED FROM INDICATED CIRCUIT UNLESS NOTED OTHERWISE.

2. EXISTING LIGHT FIXTURES AND CONTROLS IN THIS AREA SHALL REMAIN.



1 LEVEL 790.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH

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



NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Rhinelander, WI 54501
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information herein for use as instruments of service. All rights including copyrights are reserved. The user of this document agrees to the indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

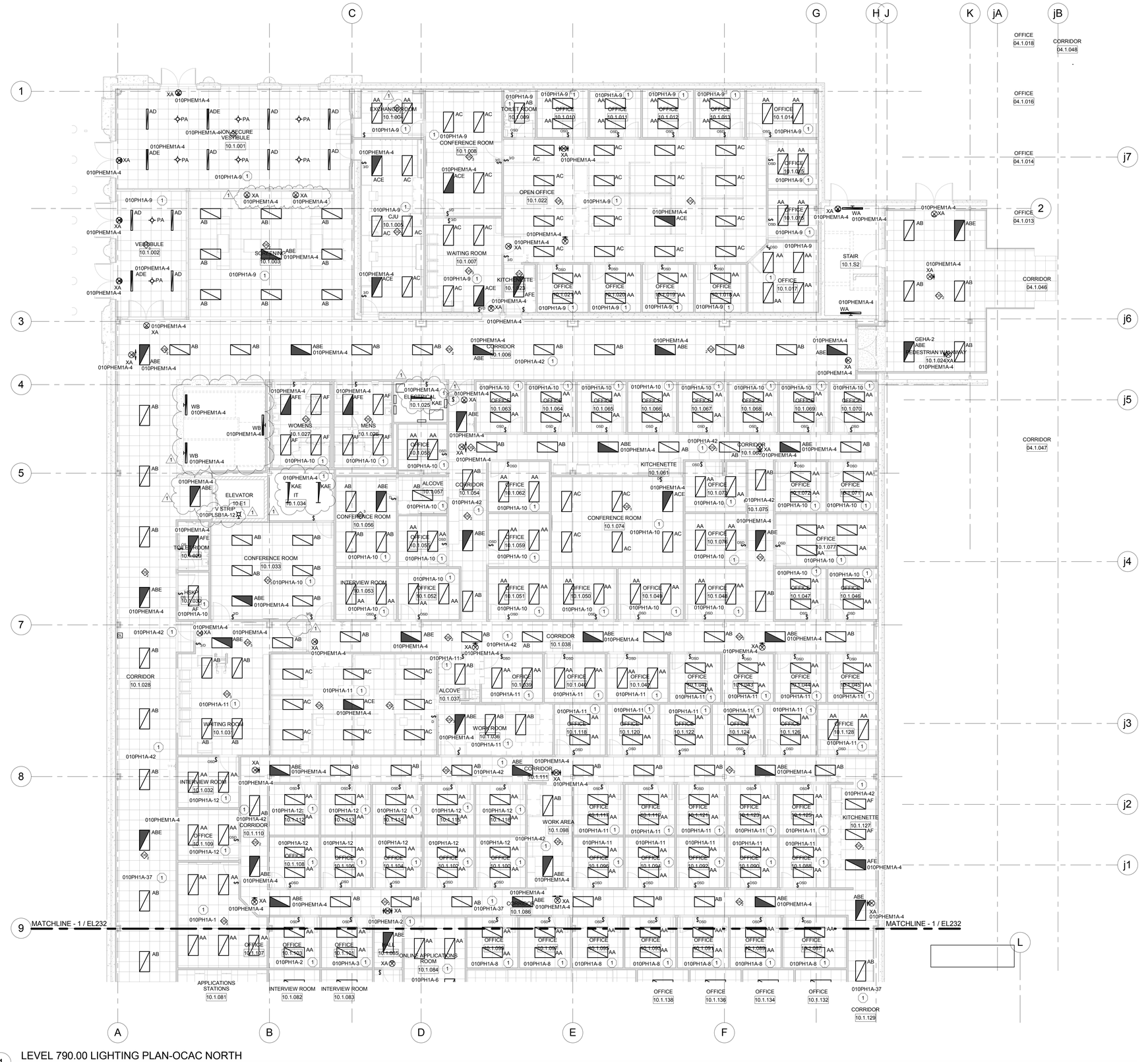
SHEET NO.
EL232

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:32:58 AM

PLAN NOTES: (#)

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



1 LEVEL 790.00 LIGHTING PLAN-OCAC NORTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 (608) 241-8484 Milwaukee, WI 53225
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design concept as an instrument of service. All rights including copyrights are reserved. Recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless from any damage, liability or cost arising from the recipient's changes made to the original drawing or data and from any unauthorized use thereof.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EL233

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:03 AM

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.

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

PLAN KEY

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

McMahon provides this drawing and/or electronic media "As Is" as instrument of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or media without written approval from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EL234

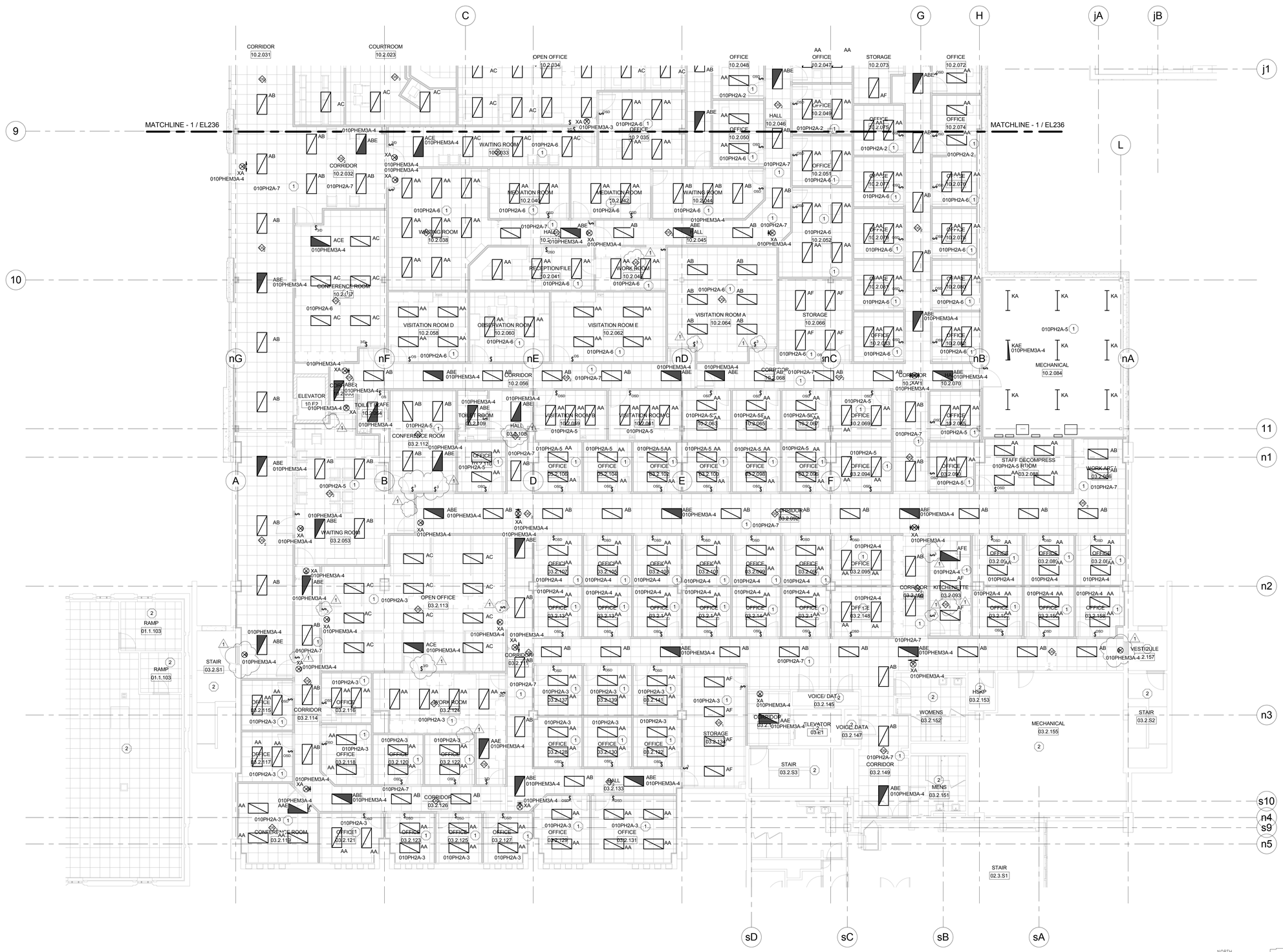
C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:10 AM

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.



1 LEVEL 805.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8911 Milwaukee (414) 271-1605
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and/or electronic file "as is" as instrument of service. All rights including copyrights are reserved. The recipient and/or recipient agrees to the following: recipient agrees to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or media by anyone other than McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

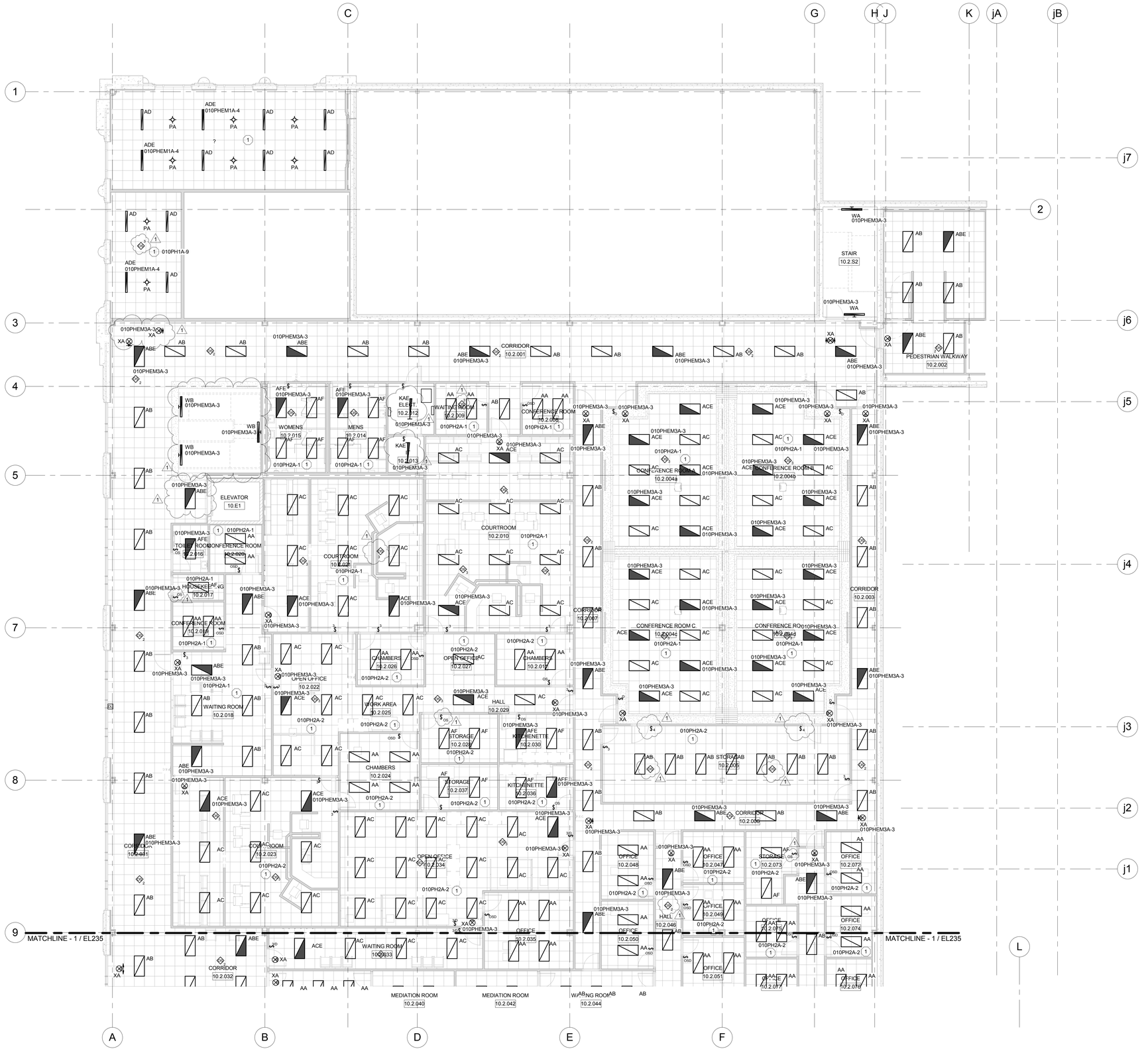
SHEET NO.
EL235

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:16 AM

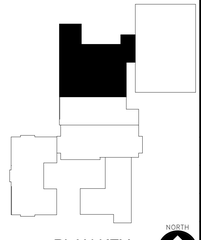
PLAN NOTES: (#)

1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED BY THIS CIRCUIT UNLESS NOTED OTHERWISE.



1 LEVEL 805.00 LIGHTING PLAN-OCAC NORTH

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



PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8511 Milwaukee (414) 271-2395
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and/or electronic file for the exclusive use of the recipient for the purposes as instrumented of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: recipient agrees to indemnify and hold McMahon harmless from any claims or losses arising out of changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

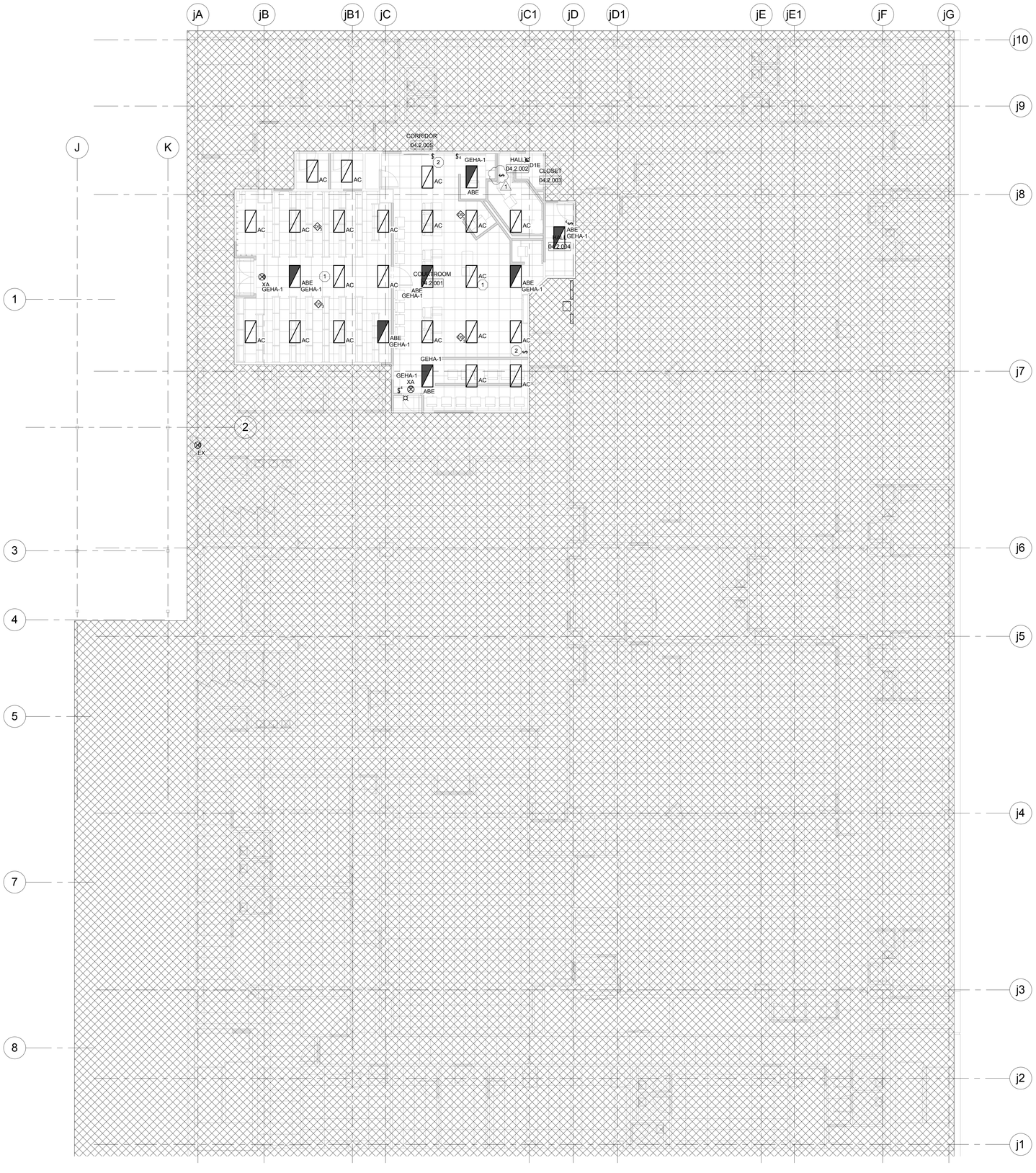
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EL236

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:20 AM



1 LEVEL 805.00 LIGHTING PLAN-JUSTICE CENTER

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

NORTH

PLAN NOTES: (#)

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

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8911 Milwaukee (414) 271-1755
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design solely for the purpose as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from all claims arising from changes made to the original drawing or data and (2) to protect and reserve the rights of McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EL237

C:\Revit Projects\16_1108 OCAC_Elec_marson.rvt

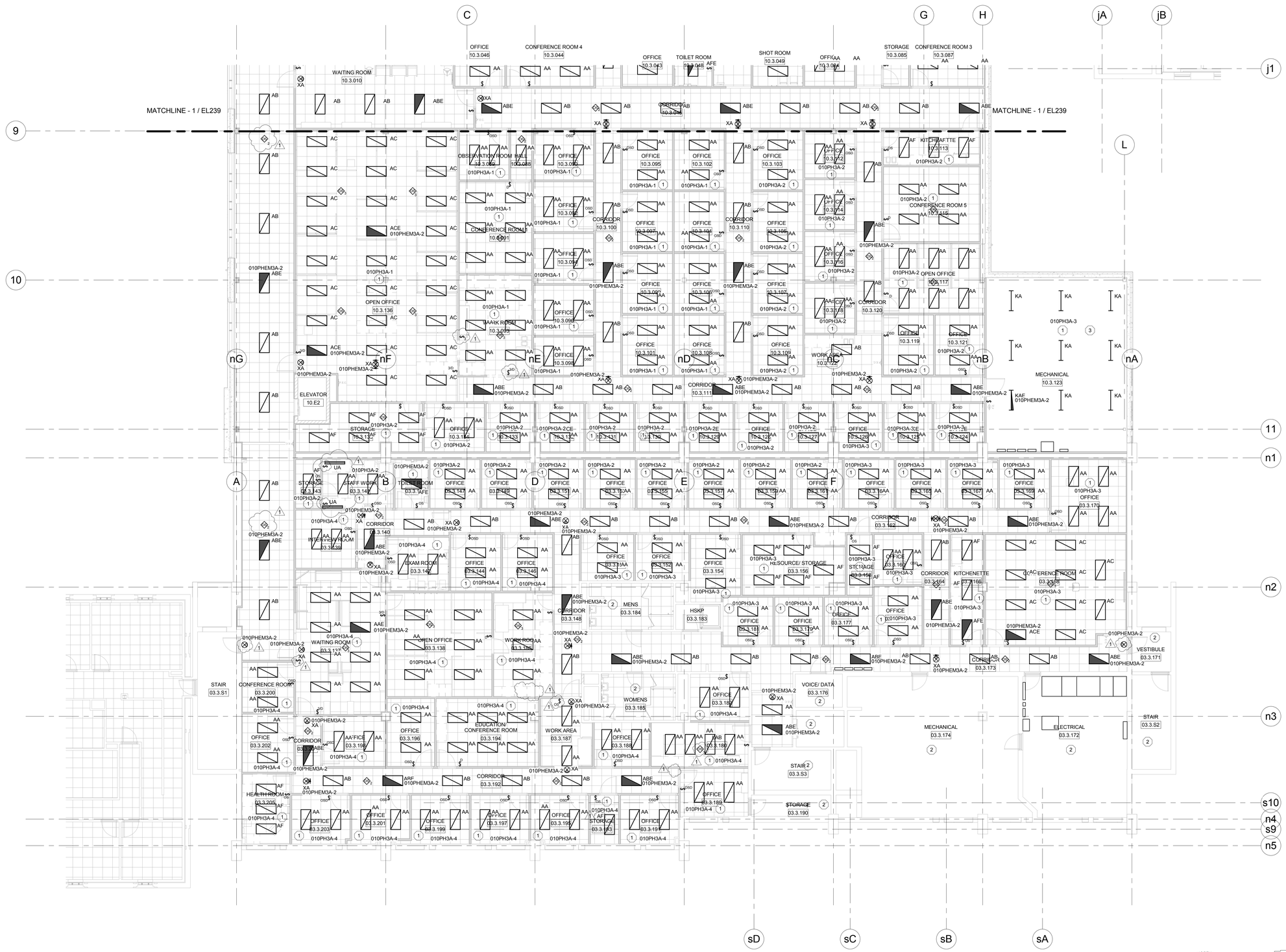
3/30/2017 10:33:27 AM

PLAN NOTES: (#)

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

2. EXISTING LIGHT FIXTUERS AND CONTROLS IN THIS AREA SHALL REMAIN.

3. FIELD COORDINATE FIXTURE PLACEMENT WITH FINAL LOCATIONS OF MECHANICAL EQUIPMENT AND PIPING.



1 LEVEL 820.00 LIGHTING PLAN-HHS NORTH/OCAC SOUTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8511 Milwaukee (414) 727-9505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design solely for the project as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from any reuse of the drawings or data without prior written consent by McMahon; (2) to make changes made to the original drawing or data known to McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

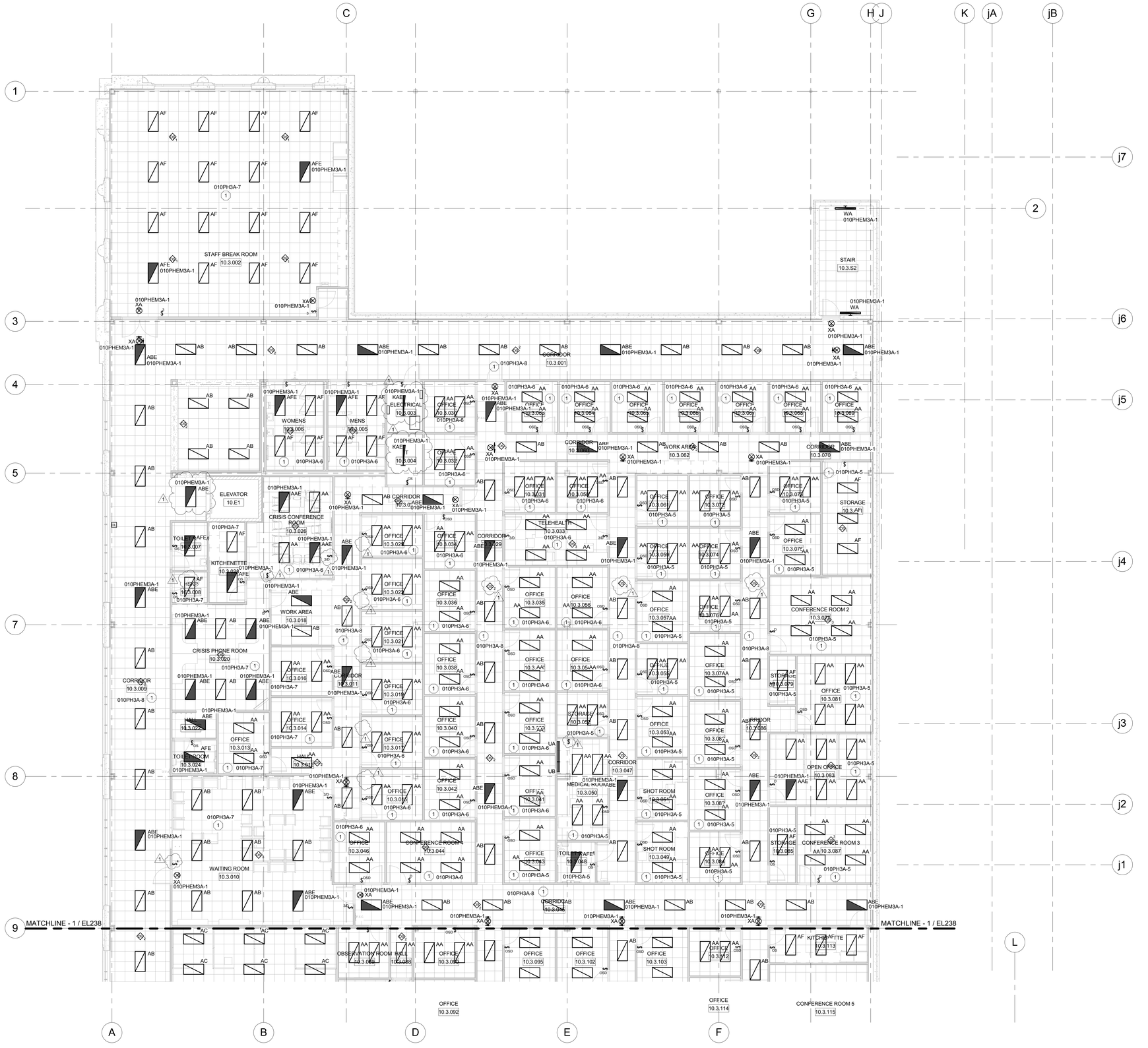
SHEET NO.
EL238

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:33 AM

PLAN NOTES: (#)

1. LIGHT FIXTURES IN THIS ROOM SHALL BE FED BY THIS CIRCUIT UNLESS NOTED OTHERWISE.



1 LEVEL 820.00 LIGHTING PLAN-OCAC NORTH

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

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 (608) 241-8484 Milwaukee, WI 53225
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design solely for the project as instrumented of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from any reuse of or changes made to the original drawing or data without prior written authorization by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EL239

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:38 AM

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP TYPE	LAMP QTY PER FIXTURE	FT_Elec_Voltage_Connector_1	WATTAGE
AA	2'X4' RECESSED TROFFER, DIMMABLE, 6000 LUMENS, 4000K	LITHONIA	2FSL4 60L EZ1 LP840	LED	1	277 V	52.4
AAE	SAME AS AA EXCEPT POWERED BY GENERATOR	LITHONIA	2FSL4 60L EZ1 LP840 N80EMG	LED	1	277 V	52.4
AB	2'X4' RECESSED TROFFER, DIMMABLE, 4800 LUMENS, 4000K	LITHONIA	2FSL4 48L EZ1 LP840	LED	1	277 V	46.6
ABE	SAME AS AB EXCEPT POWERED BY GENERATOR	LITHONIA	2FSL4 48L EZ1 LP840 N80EMG	LED	1	277 V	46.6
AC	2'X4' RECESSED TROFFER, DIMMABLE, 7200 LUMENS, 4000K	LITHONIA	2FSL4 72L EZ1 LP840	LED	1	277 V	70.2
ACE	SAME AS AC EXCEPT POWERED BY GENERATOR	LITHONIA	2FSL4 72L EZ1 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
EA	EMERGENCY LIGHT	LITHONIA	ELM2 LED	LED	1	277 V	1.5
EX	EXISTING REUSED/RELOCATED FIXTURE					277 V	
EXE	EXISTING REUSED/RELOCATAED 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
OA	LED WALL PACK - FULL CUTOFF WITH DIFFUSER	HUBBELL	LNC2 7L U 4K 3 *FINISH* PC / 93044013	LED	1	277 V	17W
PA	SHAPER, CYLINDRICAL SHADE, 52" HEIGHT	EATON MCGRAW EDISON	146-52-P1S-L5/840-UNV-ALP-52	LED	1	277 V	37
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
V STRIP	VAPOR TIGHT STRIP FIXTURE	LITHONIA	FEM L48 4000LM IMAFL MD MVOLT GZ10 40K 80CRI	LED	1	120 V	30
WA	4' WALL BRACKET	LITHONIA	WC 1 32 MVOLT GEB10IS	32W T8	1	277 V	32
WB	4' ARCHITECTURAL WALL MOUNT LUMINAIRE	ALCON LIGHTING	11112-4-40L-40	LED	1	277 V	40
XA	EXIT SIGN	LITHONIA	EXR LED M6	LED	1	277 V	0.8

1

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: 1500 Fourier Drive Madison, WI 53717
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and/or electronic file "as-is" as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: Client and/or recipient agrees to indemnify and hold McMahon harmless from any claims or liability for injury or loss arising from changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EL801

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:41 AM

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. COORDINATE NEW EQUIPMENT LOCATIONS PRIOR TO INSTALLATION.

C. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

D. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

E. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

1. PROVIDE NEW RECEPTACLE AND WIRING, EXTEND FROM EXISTING CIRCUITING WHICH WAS REMOVED FROM ED229.

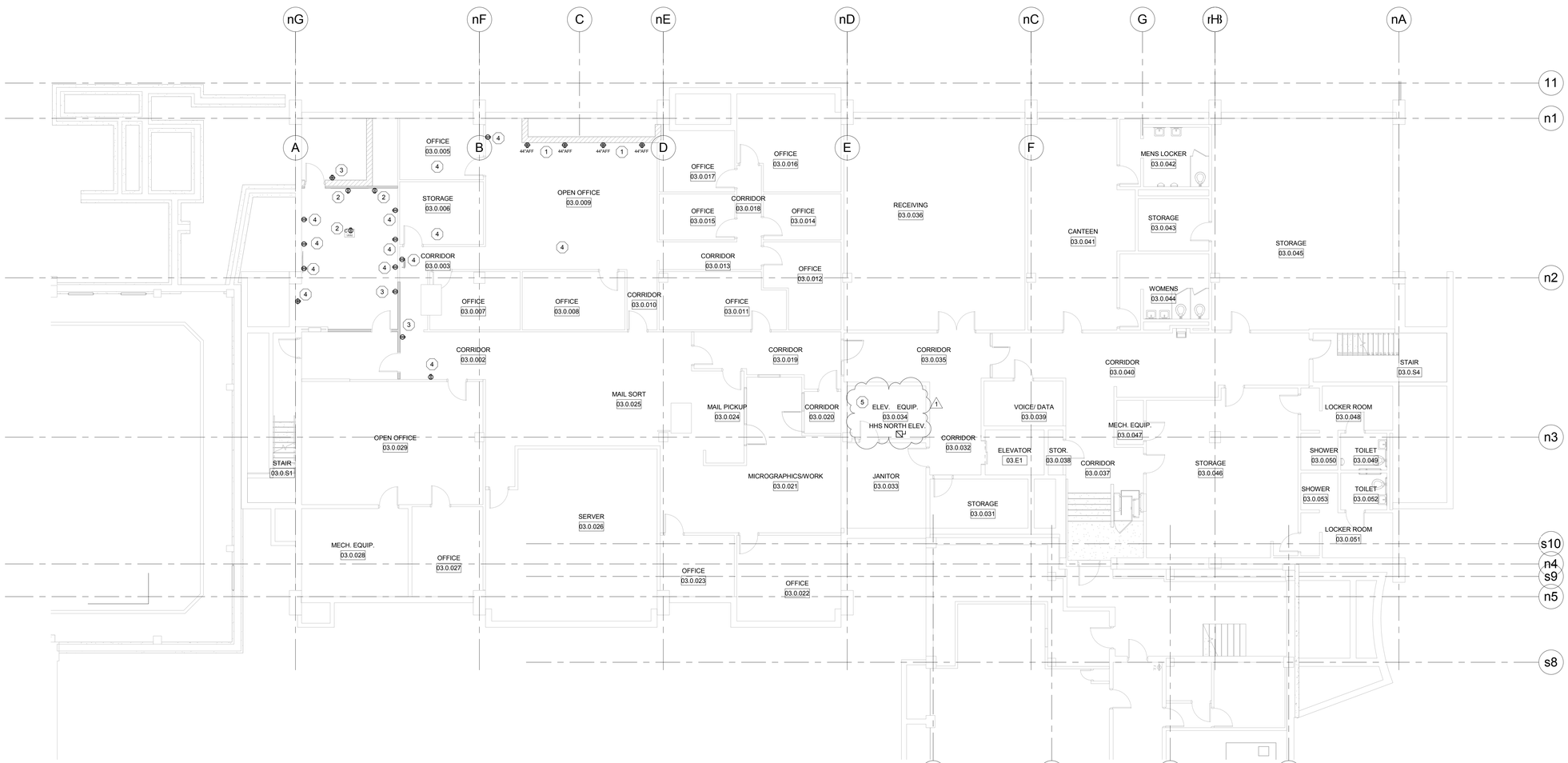
2. EXISTING RELOCATED FROM ED229. PROVIDE NEW RECEPTACLE AND WIRING, EXTEND FROM EXISTING CIRCUITING.

3. PROVIDE NEW, EXTEND CIRCUITING FROM EXISTING.

4. EXISTING TO REMAIN, MAINTAIN CONTINUITY OF ALL EXISTING WHICH WILL REMAIN OR PORTIONS THEREOF AFFECTED BY NEW WORK.

1

5. EXISTING HHS-NORTH ELEVATOR – PROVIDE AND INSTALL A NEW 600VAC, 200AMP, 3 PHASE BUSSMANN POWER MODULE WITH CLASS (J) FUSES, (REPLACE EXISTING DISCONNECTING MEANS). INCLUDE OPTIONS: CONTROL POWER TRANSFORMER WITH FUSES AND BLOCKS ALONG WITH PILOT LIGHT (ON). ELEVATOR IS CURRENTLY FED FROM PANEL 5-C-5. EXTEND EXISTING TO ACCOMMODATE NEWLY INSTALLED BUSSMANN MODULE. PROVIDE NEW CONDUIT, WIRING, AND TERMINATIONS FOR BUSSMANN DISCONNECT AND TO NEW ELEVATOR CONTROLLER AS REQUIRED.



1 LEVEL 780.00 POWER PLAN-HHS NORTH

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

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: PO BOX 2025 NEENAH, WI 54957-2025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all its contents for use as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) indemnify and hold McMahon harmless from reuse of or changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
RJW	MAL

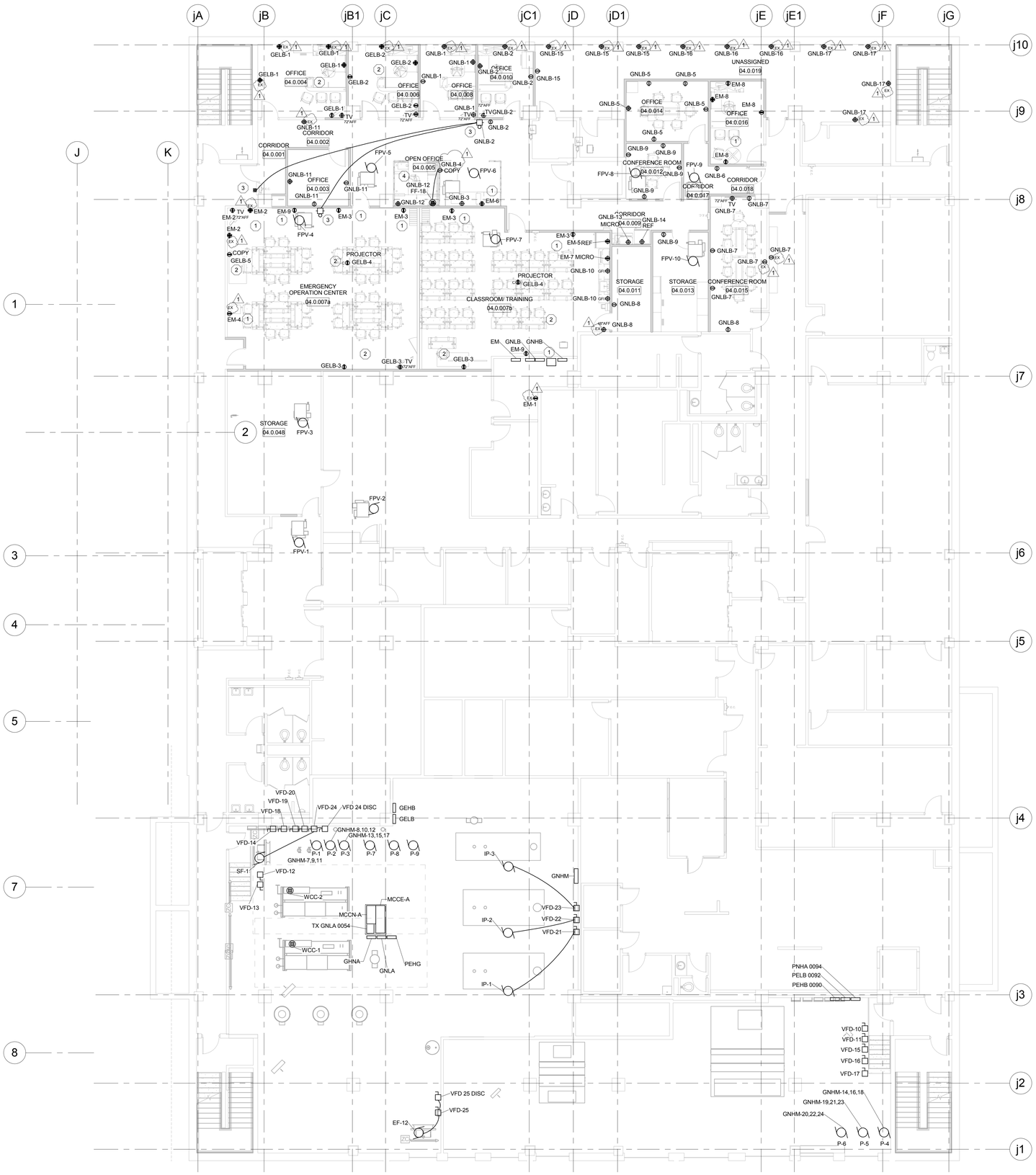
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP229

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:43 AM



GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

C. EXISTING DEVICES WHICH WILL REMAIN AFTER REMODEL, REPLACE DEVICES AND COVER PLATES TO MATCH NEW. PROVIDE NEW LABELING ON COVER PLATES, BRANCH CIRCUIT WIRING. UPDATE DRAWINGS (AS-BUILTS) TO INDICATE DEVICES WHICH MAY HAVE BEEN LOCATED OTHER THAN INDICATED, PROVIDE NEW PANEL (MECHANICALLY TYPED) SCHEDULES FOR PANELS INDICATING WHERE EXISTING ARE FED FROM.

D. CIRCUITING INDICATED ON DRAWING INDICATES CIRCUITS REQUIRED TO FEED EXISTING AND NEW DEVICES. 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.

E. DEVICES SUCH AS VENDING MACHINES, REFRIGERATORS, AND MICROWAVES WHICH ARE NOT READILY ACCESSIBLE AND/OR LOCATED WITHIN 6' OF SINK SHALL BE FED FROM GFCI BREAKER.

F. ALL BREAKERS SHALL BE 20 AMP UNLESS INDICATED OTHERWISE.

G. WATER COOLERS, WHERE PRESENT, SHALL BE FED FROM A GFCI BREAKER.

H. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

I. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

J. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

K. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

L. UTILITZE EXISTING CIRCUIT AND DISCONNECTING MEANS TO CONNECT NEW FPV MOTORS. PROVIDE CONDUIT AND WIRING AS REQUIRED.

PLAN NOTES: (#)

1. PROVIDE CIRCUITING FROM EM PANEL (#97)

2. EXTEND EXISTING CIRCUITING FROM PANEL GELB.

3. (1) DOOR BELL, PROVIDE AND INSTALL HARDWIRED, (2) WALL MOUNTED CHIMES, AND ILLUMINATED PUSHBUTTON. UTILIZE HONEYWELL MODEL DW313S WITH HONEYWELL ACTIVLINK TECHNOLOGY TO LINK THE PUSHBUTTON TO (2) DOORBELLS. PROVIDE SIGNAGE (LAMACOID LABEL) WITH 1/2" (BLACK) LETTERING ON A (WHITE) BACKGROUND LOCATE ABOVE PUSHBUTTON TO INDICATE THE FOLLOWING: "FOR ASSISTANCE PLEASE PUSH BUTTON".

4. PROVIDED HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM WALL LOCATION.

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53719 Milwaukee, WI 53233
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design information for use as instrumental of service. All rights including copyrights are reserved. The user/recipient agrees to the indemnify and hold McMahon harmless from any claims or changes made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 POWER PLAN-JUSTICE CENTER

DESIGNED	DRAWN
RJW	MAL

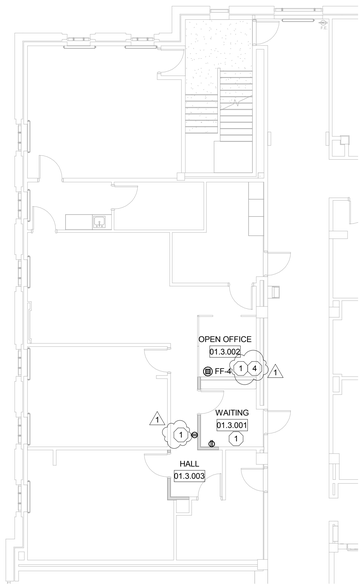
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP230

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

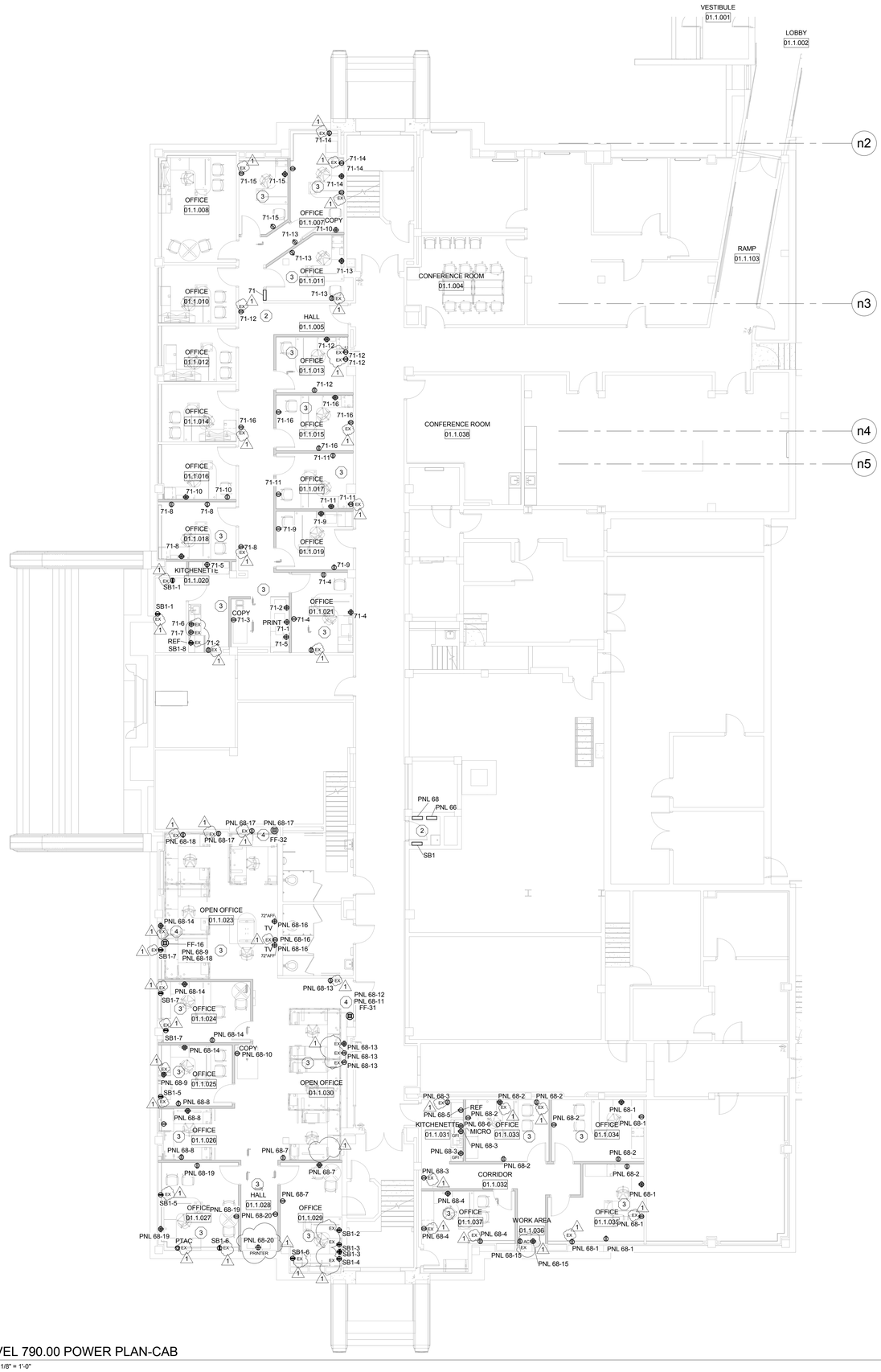
3/30/2017 10:33:45 AM



2 LEVEL 820.00 POWER PLAN-CAB

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

NORTH



1 LEVEL 790.00 POWER PLAN-CAB

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

NORTH

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

C. EXISTING DEVICES WHICH WILL REMAIN AFTER REMODEL, REPLACE DEVICES AND COVER PLATES TO MATCH NEW. PROVIDE NEW LABELING ON COVER PLATES, BRANCH CIRCUIT WIRING. UPDATE DRAWINGS (AS-BUILTS) TO INDICATE DEVICES WHICH MAY HAVE BEEN LOCATED OTHER THAN INDICATED. PROVIDE NEW PANEL (MECHANICALLY TYPED) SCHEDULES FOR PANELS INDICATING WHERE EXISTING ARE FED FROM.

D. CIRCUITING INDICATED ON DRAWING INDICATES CIRCUITS REQUIRED TO FEED EXISTING AND NEW DEVICES. 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 TYPED PANEL SCHEDULE FOR NEW/EXISTING LOADS IN EXISTING PANEL.

E. DEVICES SUCH AS VENDING MACHINES, REFRIGERATORS, AND MICROWAVES WHICH ARE NOT READILY ACCESSIBLE AND/OR LOCATED WITHIN 6' OF SINK SHALL BE FED FROM GFCI BREAKER.

F. ALL BREAKERS SHALL BE 20 AMP UNLESS INDICATED OTHERWISE.

G. WATER COOLERS, WHERE PRESENT, SHALL BE FED FROM A GFCI BREAKER.

H. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

I. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

J. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

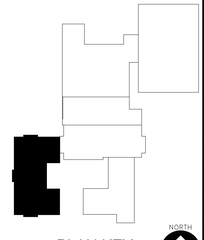
PLAN NOTES: (#)

1. PROVIDE NEW CIRCUITING TO EXISTING PANEL #90.

2. UPDATE EXISTING PANEL SCHEDULE WITH NEW CIRCUITS. SCHEDULE IS TO BE UPDATED MECHANICALLY.

3. EXTEND/ PROVIDE NEW CIRCUITS AS REQUIRED TO EXISTING PANELS.

4. PROVIDED HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM WALL LOCATION.



PLAN KEY

NORTH

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

McMahon provides this drawing as an instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from all claims that changes made to the original drawing or data without prior written approval by McMahon

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP231

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:33:54 AM

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

C. EXISTING DEVICES WHICH WILL REMAIN AFTER REMODEL, REPLACE DEVICES AND COVER PLATES TO MATCH NEW. PROVIDE NEW LABELING ON COVER PLATES AND BRANCH CIRCUIT WIRING. UPDATE DRAWINGS (AS-BUILTS) TO INDICATE DEVICES WHICH MAY HAVE BEEN LOCATED OTHER THAN INDICATED, PROVIDE NEW PANEL (MECHANICALLY TYPED) SCHEDULES FOR PANELS INDICATING WHERE EXISTING ARE FED FROM.

D. COORDINATE RECEPTACLE PLACEMENT WITH OFFICE FURNITURE LAYOUTS.

E. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

F. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

G. EXTERIOR RECEPTACLES WHEN INDICATED OUTDOORS SHALL BE GFCI, AND WEATHER RESISTANT WITH METAL HEAVY DUTY IN-USE COVERS.

H. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

I. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

J. PROVIDE 1 1/2" DEEP BACK BOXES FOR ALL DEVICES MOUNTED FLUSH WITHIN 1 5/8" STUD DEPTHS FOR EXTERIOR WALLS OF NEW ADDITION.

PLAN NOTES: (#)

1. REMOVE EXISTING RECEPTACLE, CONDUIT AND WIRING BACK TO POINT OF ORIGIN. PROVIDE NEW BLANK STAINLESS STEEL COVER.

2. PROVIDE HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM WALL LOCATION.

3. EXISTING DEVICES WHICH WERE NOT REMOVED DURING DEMO AND TO REMAIN. EXTEND EXISTING CONDUIT, PROVIDE NEW WIRING TO PANEL LOCATED IN MECHANICAL ROOM 10.1.145 FOR NORMAL, EMERGENCY OR LEGALLY REQUIRED DEVICES.

4. EXISTING DEVICES WHICH WERE NOT REMOVED DURING DEMO AND TO REMAIN. EXTEND EXISTING CONDUIT, PROVIDE NEW WIRING TO PANEL LOCATED IN MECHANICAL ROOM 10.1.145 FOR EMERGENCY OR LEGALLY REQUIRED DEVICES. DEVICES ON NORMAL POWER WILL BE FED FROM EXISTING PANEL LPBA, LPBB.

5. CIRCUITING INDICATED ON DRAWING INDICATES CIRCUITS REQUIRED TO FEED EXISTING AND NEW DEVICES. 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.

6. PROVIDE E-STOP, CONDUIT, AND WIRING TO REMOTE GENERATOR E-STOP.

7. PROVIDE AN EMERGENCY POWER CONNECTION TO (BAS) BUILDING AUTOMATION SYSTEM CONTROL PANEL AND WORK STATION RECEPTACLE (BAS-WK). PANEL PROVIDED AND INSTALLED BY OTHERS. VERIFY FINAL LOCATION WITH CONTRACTOR INSTALLING (BAS) SYSTEM PRIOR TO CONDUIT INSTALLATION. CURRENT LOCATION ACCOUNTS FOR PANEL SPACE, AND CONTROL PANEL CIRCUIT.

8. DOOR BELL, PROVIDE AND INSTALL A HARDWIRED, WALL MOUNTED CHIME, ILLUMINATED PUSHBUTTON, AND LOW VOLTAGE TRANSFORMER. CHIME SHALL INCLUDE BASIC TWO CHIME (TONE SETTING), UTILIZE BROAN LA600WH DOORBELL KIT OR APPROVED EQUAL. PROVIDE SIGNAGE (LAMACOID LABEL) WITH 1/2" (BLACK) LETTERING ON A (WHITE) BACKGROUND LOCATE ABOVE PUSHBUTTON TO INDICATE THE FOLLOWING: "FOR ASSISTANCE PLEASE PUSH BUTTON".

9. PROVIDED HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM OVERHEAD CEILING. POWER POLE PROVIDED BY FURNITURE SUPPLIER, INSTALLED AND TERMINATED BY ELECTRICAL CONTRACTOR.

10. PROVIDE CONNECTION TO NEW EWC-2 WATER COOLER AS NEEDED. PROVIDE GFCI PROTECTION TO ADDED COOLER BY MEANS OF BREAKER IN PANEL WHICH IS SERVING UNIT. SEE P212 FOR ADDITIONAL INFORMATION.

11. FLOW/TAMPER SWITCHES AND EXTERIOR NOTIFICATION DEVICES, VERIFY VOLTAGE CONNECTIONS WITH FIRE ALARM AND FIRE PROTECTION CONTRACTORS. WHERE THE REQUIRED VOLTAGE IS LOWER THAN 120VAC, ALL CONDUIT, WIRING WILL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.

12. PROVIDE AND INSTALL CONDUIT, WIRING, AND TERMINATIONS FOR A NEW SECURITY POWER SUPPLY FROM AN EXISTING PANEL. FIELD VERIFY CIRCUITING AVAILABLE. PROVIDE FINAL CIRCUITING ON AS-BUILTS UPON PROJECT COMPLETION. SEE DRAWING EY232 FOR ADDITIONAL INFORMATION.

13. ROLLING SHUTTER/FIRE GATE.

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

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53562 Milwaukee, WI 53233
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information hereon as instruments of service. All rights including copyrights are reserved. Recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from any claims or damages arising out of recipient's changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

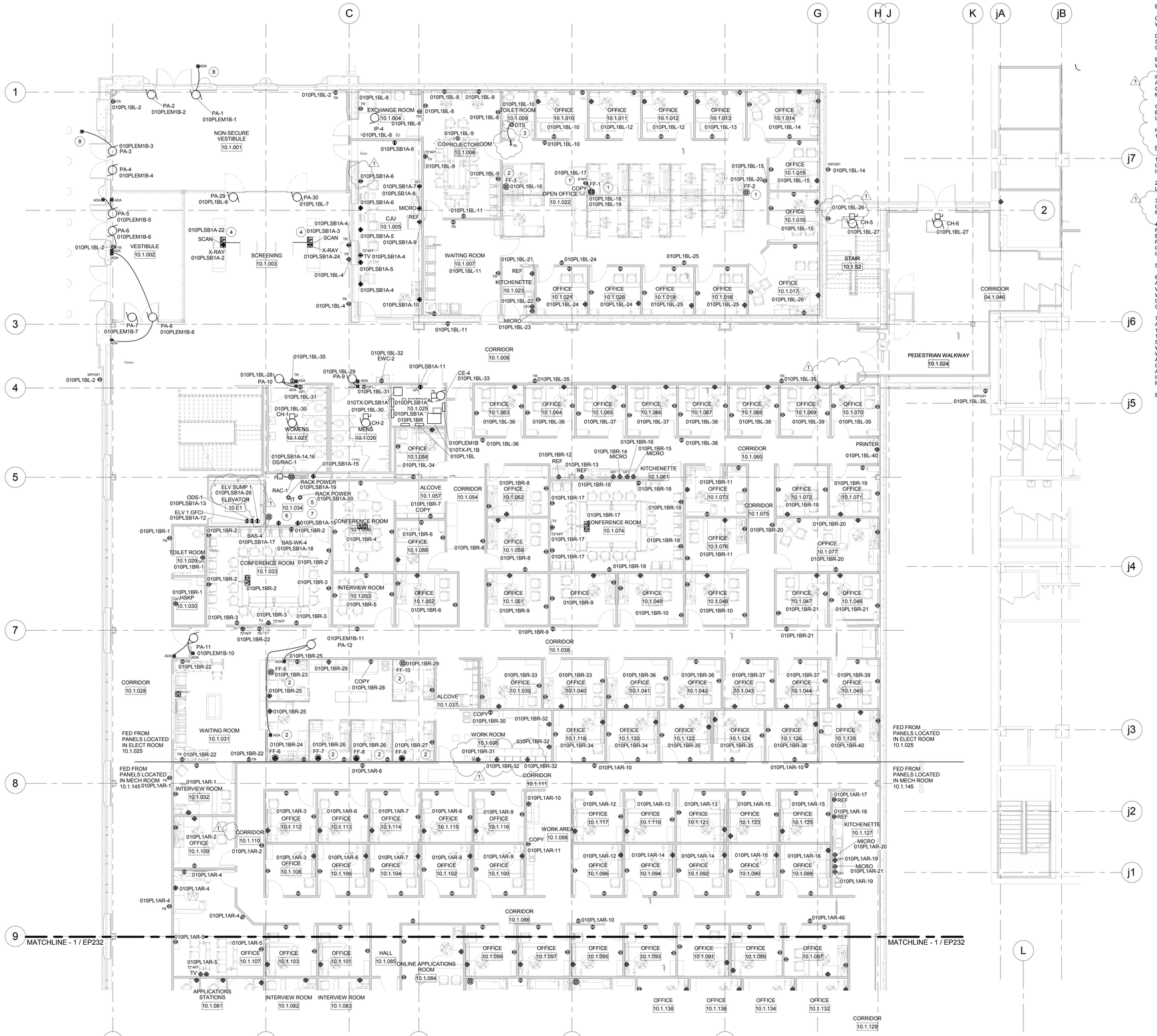
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 POWER PLAN-HHS NORTH/OCAC SOUTH

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. EP232

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:34:04 AM



1 LEVEL 790.00 POWER PLAN-OCAC NORTH

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

GENERAL NOTES:

A. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

B. COORDINATE RECEPTACLE PLACEMENT WITH OFFICE FURNITURE LAYOUTS.

C. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

D. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

E. EXTERIOR RECEPTACLES WHEN INDICATED OUTDOORS SHALL BE GFCI, AND WEATHER RESISTANT WITH METAL HEAVY DUTY IN-USE COVERS.

F. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

G. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

H. PROVIDE 1 1/2" DEEP BACK BOXES FOR ALL DEVICES MOUNTED FLUSH WITHIN 1 5/8" STUD DEPTHS FOR EXTERIOR WALLS OF NEW ADDITION.

PLAN NOTES: (#)

1. FURNITURE FEED. PROVIDE OVERHEAD FEED FROM CEILING LOCATION, CONNECT (8) WORK STATIONS (4) PER CIRCUIT AND PRINTER WITH CIRCUITS INDICATED.

2. PROVIDED HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM WALL LOCATION.

3. PROVIDE SOLENOID CONNECTION AND MANUAL ILLUMINATED PILOT LIGHT TO CONTROL WATER VALVE. PILOT LIGHT IS ILLUMINATED WHEN WATER FLOW TO ROOM IS TURNED OFF FOR TESTING.

4. SCREENING, PROVIDE UNDERGROUND CONDUITS (1) POWER (1) DATA TO EACH FLOOR BOX LOCATION. DOUBLE DUPLEX RECETACLES FED WITH (2) SEPARATE BRANCH CIRCUITS FOR EACH X-RAY INSPECTION AND DETECTION SYSTEM. FLOOR BOXES SHALL BE INSTALLED WITH RECEPTACLES, AND DATA CONNECTIONS. SEE MANUFACTURES SPECIFICATION SHEETS PRIOR TO ROUGH IN AND INSTALLATION.

5. COORDINATE RECEPTACLE PLACEMENT WITH FINAL EQUIPMENT LOCATIONS.

6. PROVIDE AN EMERGENCY POWER CONNECTION TO (BAS) BUILDING AUTOMATION SYSTEM CONTROL PANEL AND WORK STATION RECEPTACLE (BAS-WK). PANEL PROVIDED AND INSTALLED BY OTHERS. VERIFY FINAL LOCATION WITH CONTRACTOR INSTALLING (BAS) SYSTEM PRIOR TO CONDUIT INSTALLATION. CURRENT LOCATION ACCOUNTS FOR PANEL SPACE, AND CONTROL PANEL CIRCUIT.

7. PROVIDE 120VAC POWER CONNECTIONS TO THE FOLLOWING SECURITY, FIRE ALARM, AND SYSTEMS EQUIPMENT: (3) FA NAC'S PER FLOOR USING (1) 120VAC 15AMP CIRCUIT, (2) TRANSPONDER'S FOR THE DURESS SYSTEM, EACH USING (1) 120VAC 15AMP CIRCUIT, AND (3) POWER SUPPLIES FOR THE ACCESS CONTROL SYSTEM, EACH WITH 120VAC 15AMP CIRCUITS, (1) PAGING AMP PER FLOOR THAT WILL REQUIRE A 120V CIRCUIT TO A POWER SUPPLY PLUG IN TRANSFORMER WHICH CAN BE SUPPLIED FROM A RECEPTACLE. VERIFY SYSTEMS, SECURITY, AND FIRE ALARM DRAWINGS, AND PROVIDERS WHERE CIRCUITING WILL ORIGINATE FROM (NORMAL OR EMERGENCY SOURCES). PROVIDE BREAKERS AND BREAKER LOCKS AS SPECIFIED PER EQUIPMENT BEING INSTALLED. INDICATE ON AS-BUILT DRAWINGS AND PANEL SCHEDULES WHERE CIRCUITING FOR EQUIPMENT IS TERMINATED.

8. POST MOUNTED ADA ASSIST, SEE DRAWING A274 FOR LOCATION.

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 661-4422 Milwaukee (414) 431-1005
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information hereon as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: Reuse or alteration of changes made to the original drawing or data without prior written permission from McMahon.

NO.	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
RJW	MAL

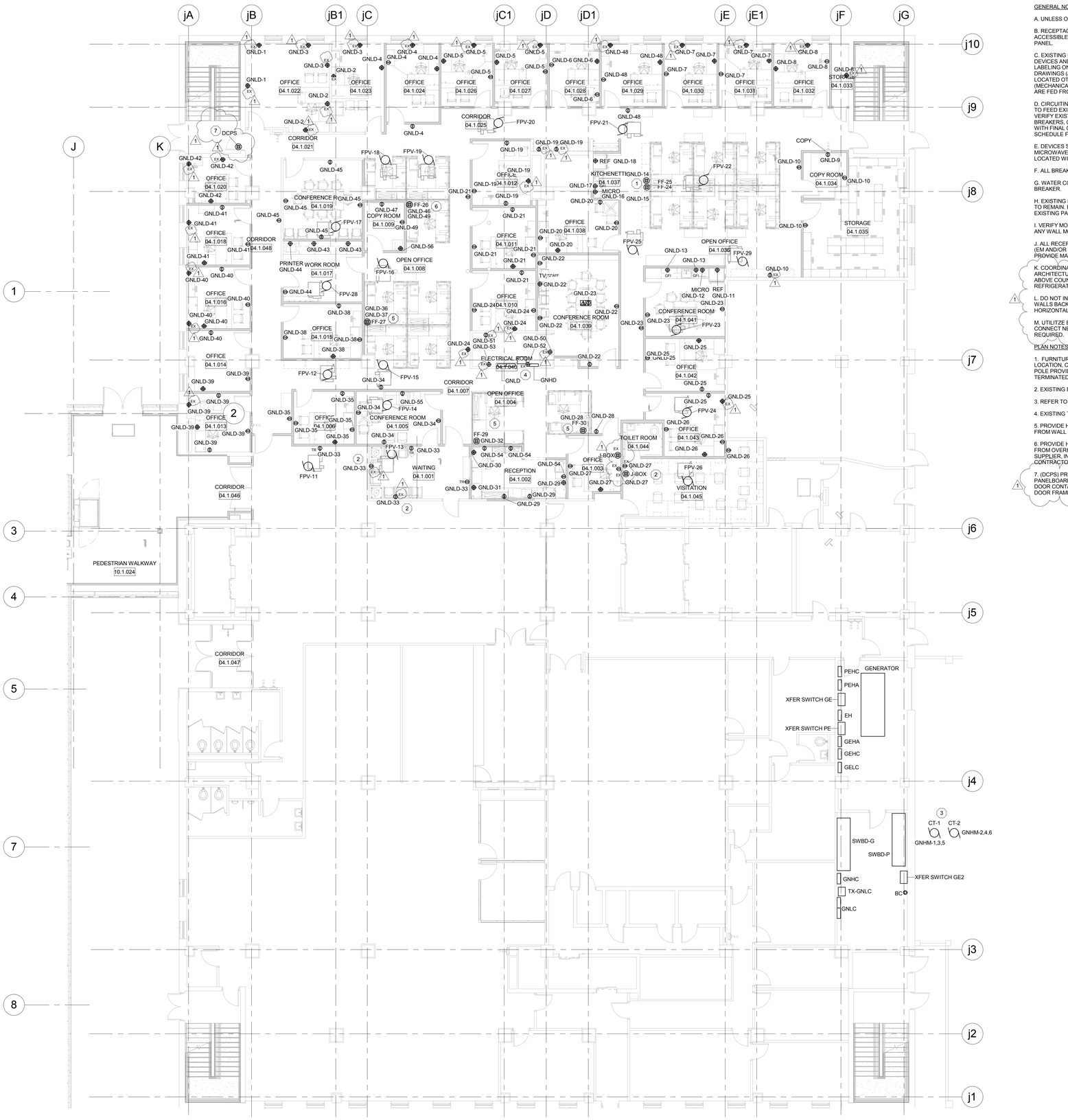
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP233

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:34:07 AM



1 LEVEL 790.00 POWER PLAN-JUSTICE CENTER

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

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

C. EXISTING DEVICES WHICH WILL REMAIN AFTER REMODEL, REPLACE DEVICES AND COVER PLATES TO MATCH NEW. PROVIDE NEW LABELING ON COVER PLATES AND BRANCH CIRCUIT WIRING. UPDATE DRAWINGS (AS-BUILTS) TO INDICATE DEVICES WHICH MAY HAVE BEEN LOCATED OTHER THAN INDICATED. PROVIDE NEW PANEL SCHEDULES (MECHANICALLY TYPED) FOR PANELS INDICATING WHERE EXISTING ARE FED FROM.

D. CIRCUITING INDICATED ON DRAWING INDICATES CIRCUITS REQUIRED TO FEED EXISTING AND NEW DEVICES. 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 TYPED PANEL SCHEDULE FOR NEW/EXISTING LOADS IN EXISTING PANEL.

E. DEVICES SUCH AS VENDING MACHINES, REFRIGERATORS, AND MICROWAVES WHICH ARE NOT READILY ACCESSIBLE AND/OR LOCATED WITHIN 6' OF SINK SHALL BE FED FROM GFCI BREAKER.

F. ALL BREAKERS SHALL BE 20 AMP UNLESS INDICATED OTHERWISE.

G. WATER COOLERS, WHERE PRESENT, SHALL BE FED FROM A GFCI BREAKER.

H. EXISTING DEVICES WHICH WERE NOT REMOVED DURING DEMO AND TO REMAIN, EXTEND EXISTING CONDUIT, PROVIDE NEW WIRING TO EXISTING PANELS.

I. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

J. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

K. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

1 L. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

M. UTILITZE EXISTING CIRCUIT AND DISCONNECTING MEANS TO CONNECT NEW FPV MOTORS. PROVIDE CONDUIT AND WIRING AS REQUIRED.

PLAN NOTES: (#)

1. FURNITURE FEED, PROVIDE OVERHEAD FEED FROM CEILING LOCATION, CONNECT (6) WORK STATIONS (3) PER CIRCUIT POWER POLE PROVIDED BY FURNITURE SUPLIER, INSTALLED AND TERMINATED BY ELCECTRICAL CONTRACTOR.

2. EXISTING DEVICES CHANGED TO TAMPER PROOF.

3. REFER TO HVAC DRAWINGS H225 FOR EXACT LOCATIONS.

4. EXISTING TO REMAIN.

5. PROVIDE HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM WALL LOCATION.

6. PROVIDE HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM OVERHEAD CEILING. POWER POLE PROVIDED BY FURNITURE SUPPLIER, INSTALLED AND TERMINATED BY ELECTRICAL CONTRACTOR.

1 7. (DCPS) PROVIDE A DEDICATED 120VAC CIRCUIT FROM AN EXISTING PANELBOARD, INCLUDE CONDUIT, WIRING, AND TERMINATIONS FOR DOOR CONTACT POWER SUPPLY WHICH IS LOCATED ABOVE THE DOOR FRAME.

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 661-4844 Milwaukee (414) 727-2005
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design solely for the project as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from any reuse of the drawing or data by client or any person or entity that acquires it through client; (2) to compensate McMahon for any reuse; and (3) to assign to McMahon any rights in any inventions or improvements made by client based upon the drawing or data.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP234

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:34:18 AM

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

C. EXISTING DEVICES WHICH WILL REMAIN AFTER REMODEL, REPLACE DEVICES AND COVER PLATES TO MATCH NEW. PROVIDE NEW LABELING ON COVER PLATES AND BRANCH CIRCUIT WIRING. UPDATE DRAWINGS (AS-BUILTS) TO INDICATE DEVICES WHICH MAY HAVE BEEN LOCATED OTHER THAN INDICATED, PROVIDE NEW PANEL SCHEDULES (MECHANICALLY TYPED) FOR PANELS INDICATING WHERE EXISTING ARE FED FROM.

D. COORDINATE RECEPTACLE PLACEMENT WITH OFFICE FURNITURE LAYOUTS.

E. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

F. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

G. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

H. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

I. PROVIDE 1 1/2" DEEP BACK BOXES FOR ALL DEVICES MOUNTED FLUSH WITHIN 1 5/8" STUD DEPTHS FOR EXTERIOR WALLS OF NEW ADDITION.

PLAN NOTES: (#)

1. PROVIDED HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM WALL LOCATION.

2. PROVIDE SOLENOID CONNECTION AND MANUAL ILLUMINATED PILOT LIGHT TO CONTROL WATER VALVE. PILOT LIGHT IS LUMINATED WHEN WATER FLOW TO ROOM IS TURNED OFF FOR TESTING.

3. RELOCATE EXISTING FEEDER CONDUITS AND WIRING INTERNAL TO NEW WALL LOCATION. CONDUITS FEED EXISTING PANELS AND EQUIPMENT WHICH WILL REMAIN AFTER RENOVATION. PROVIDE CONDUIT, WIRING TERMINATIONS, AND FIRE STOP TO MAKE COMPLETE. EXISTING FLOOR PENETRATIONS SEALED BY OTHERS.

4. EXISTING DEVICES TO BE REMOVED. EXISTING WIRING CAPPED OFF AND TIED INTO JUNCTION BOX WHICH SERVES ROOM. PROVIDE BLANK WALL PLATE.

5. CIRCUITING INDICATED ON DRAWING INDICATES CIRCUITS REQUIRED TO FEED EXISTING AND NEW DEVICES. 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 TYPED PANEL SCHEDULE FOR NEW/EXISTING LOADS IN EXISTING PANEL.

6. PROVIDE NEW, EXTEND EXISTING CONDUIT AND CONDUCTORS, MAKE CONNECTIONS/TERMINATIONS TO NEW (AHU) AIR HANDLING UNIT WHICH WAS REPLACED. SEE HVAC DRAWINGS FOR ADDITIONAL INFORMATION.

7. PROVIDE AN EMERGENCY POWER CONNECTION TO (BAS) BUILDING AUTOMATION SYSTEM CONTROL PANEL AND WORKSTATION RECEPTACLE (BAS-WK). PANEL PROVIDED AND INSTALLED BY OTHERS. VERIFY FINAL LOCATION WITH CONTRACTOR INSTALLING (BAS) SYSTEM PRIOR TO CONDUIT INSTALLATION. CURRENT LOCATION ACCOUNTS FOR PANEL SPACE, AND CONTROL PANEL CIRCUIT.

8. DOOR BELL, PROVIDE AND INSTALL A WIRELESS, WALL MOUNTED CHIME, BELL PUSHBUTTON, AND LOW VOLTAGE TRANSFORMER. CHIME SHALL INCLUDE BASIC TWO CHIME (TONE SETTING). UTILIZE BROAN LA600WH DOORBELL KIT OR APPROVED EQUAL. FIELD VERIFY PUSHBUTTON AND CHIME LOCATION PRIOR TO INSTALLATION.

9. FLOW/TAMPER SWITCHES AND EXTERIOR NOTIFICATION DEVICES, VERIFY VOLTAGE CONNECTIONS WITH FIRE ALARM AND FIRE PROTECTION CONTRACTORS. WHERE THE REQUIRED VOLTAGE IS LOWER THAN 120VAC, ALL CONDUIT, WIRING WILL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.

10.DISABLE EXISTING ELECTRIFIED HARDWARE WHERE 120VAC IS PRESENT TO DOOR.

McMahon provides this drawing and the information hereon as instruments of service. All rights including copyrights are reserved. Recipient agrees to the indemnify and hold McMahon harmless from any reuse of changes made to the original drawing or data without prior written permission from McMahon.

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704-3625 Milwaukee, WI 53202-5905
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

1 LEVEL 805.00 POWER PLAN-HHS NORTH/OCAC SOUTH
Scale: 1/8" = 1'-0"

PLAN KEY

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. EP235

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:34:27 AM

GENERAL NOTES:

A. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

B. COORDINATE FLOOR BOX LOCATION PRIOR TO INSTALLATION.

C. COORDINATE RECEPTACLE PLACEMENT WITH OFFICE FURNITURE LAYOUTS.

D. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

E. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

F. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

G. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

H. PROVIDE 1 1/2" DEEP BACK BOXES FOR ALL DEVICES MOUNTED FLUSH WITHIN 1 5/8" STUD DEPTHS FOR EXTERIOR WALLS OF NEW ADDITION.

PLAN NOTES: #

1. PROVIDED HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM WALL LOCATION.

2. COORDINATE RECEPTACLE PLACEMENT WITH FINAL EQUIPMENT LOCATIONS.

3. DEVICE MOUNTED 1'-6" ABOVE RAISED FLOOR (FINISHED).

4. PROVIDE AN EMERGENCY POWER CONNECTION TO (BAS) BUILDING AUTOMATION SYSTEM CONTROL PANEL AND WORK STATION RECEPTACLE (BAS-WK). PANEL PROVIDED AND INSTALLED BY OTHERS. VERIFY FINAL LOCATION WITH CONTRACTOR INSTALLING (BAS) SYSTEM PRIOR TO CONDUIT INSTALLATION. CURRENT LOCATION ACCOUNTS FOR PANEL SPACE AND CONTROL PANEL CIRCUIT.

5. PROVIDE 120VAC POWER CONNECTIONS TO THE FOLLOWING SECURITY, FIRE ALARM, AND SYSTEMS EQUIPMENT: (3) FA NAC'S PER FLOOR USING (1) 120VAC 15AMP CIRCUIT. (2) TRANSPONDER'S FOR THE DURESS SYSTEM, EACH USING (1) 120VAC 15AMP CIRCUIT, AND (3) POWER SUPPLIES FOR THE ACCESS CONTROL SYSTEM, EACH WITH 120VAC 15AMP CIRCUITS. (1) PAGING AMP PER FLOOR THAT WILL REQUIRE A 120V CIRCUIT TO A POWER SUPPLY PLUG IN TRANSFORMER WHICH CAN BE SUPPLIED FROM A RECEPTACLE. VERIFY SYSTEMS, SECURITY, AND FIRE ALARM DRAWINGS, AND PROVIDERS WHERE CIRCUITING WILL ORIGINATE FROM (NORMAL OR EMERGENCY SOURCES). PROVIDE BREAKERS AND BREAKER LOCKS AS SPECIFIED PER EQUIPMENT BEING INSTALLED. INDICATE ON AS-BUILT DRAWINGS AND PANEL SCHEDULES WHERE CIRCUITING FOR EQUIPMENT IS TERMINATED.

1 LEVEL 805.00 POWER PLAN-OCAC NORTH

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

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Phone: (608) 241-4425
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design information for use on this project only and retains all rights including copyrights. Use of this drawing by any recipient agrees to the terms of this statement and to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form.

NO	DATE	REVISION
1	3/31/17	Addendum #1

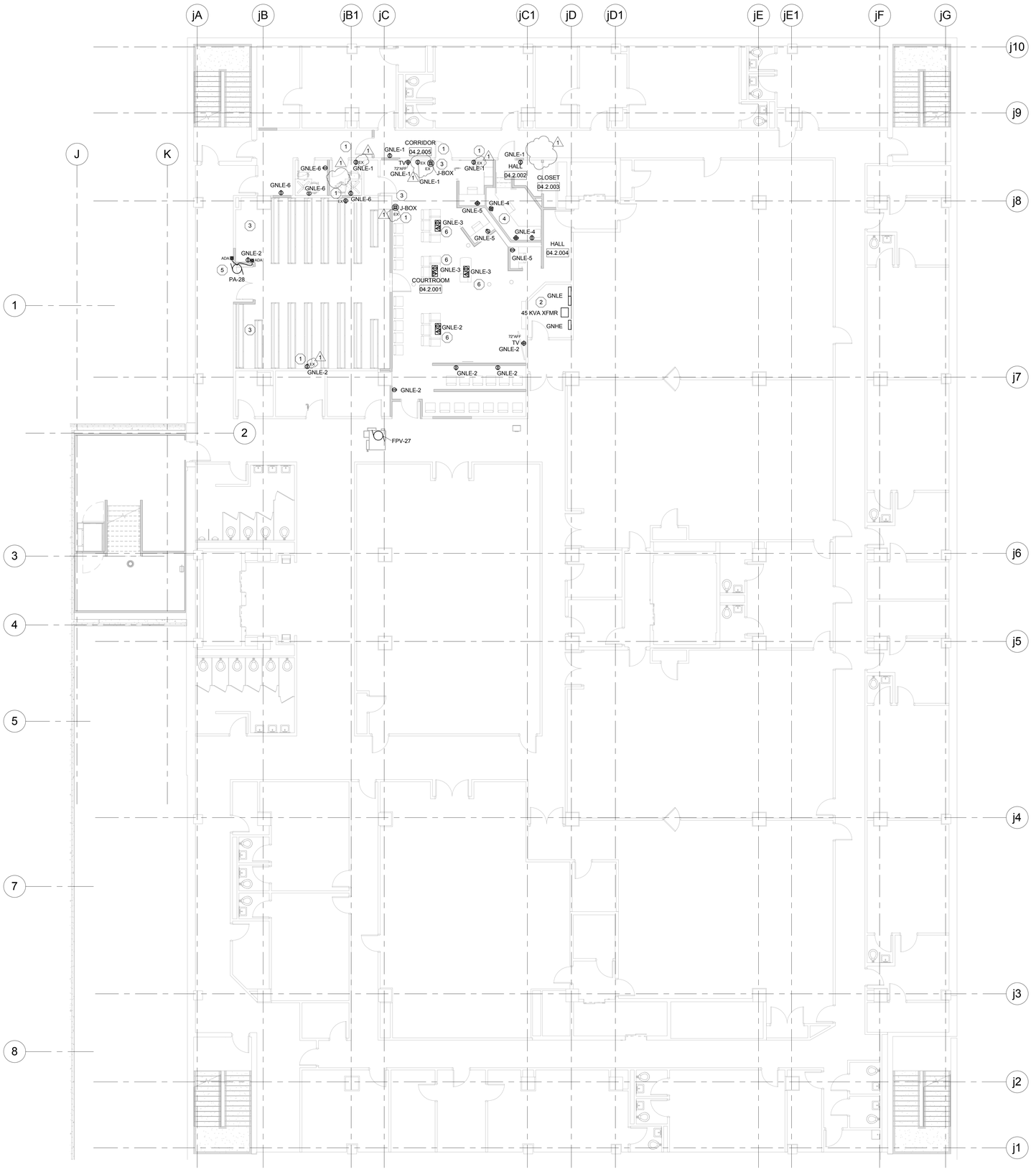
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 POWER PLAN-OCAC NORTH

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. EP236

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:34:32 AM



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

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

C. EXISTING DEVICES WHICH WILL REMAIN AFTER REMODEL. REPLACE DEVICES AND COVER PLATES TO MATCH NEW. PROVIDE NEW LABELING ON COVER PLATES. BRANCH CIRCUIT WIRING. UPDATE DRAWINGS (AS-BUILTS) TO INDICATE DEVICES WHICH MAY HAVE BEEN LOCATED OTHER THAN INDICATED, PROVIDE NEW PANEL SCHEDULES (MECHANICALLY TYPED) FOR PANELS INDICATING WHERE EXISTING ARE FED FROM.

D. CIRCUITING INDICATED ON DRAWING INDICATES CIRCUITS REQUIRED TO FEED EXISTING AND NEW DEVICES. 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 TYPED PANEL SCHEDULE FOR NEW/EXISTING LOADS IN EXISTING PANEL.

E. DEVICES SUCH AS VENDING MACHINES, REFRIGERATORS, AND MICROWAVES WHICH ARE NOT READILY ACCESSIBLE AND/OR LOCATED WITHIN 6' OF SINK SHALL BE FED FROM GFCI BREAKER.

F. ALL BREAKERS SHALL BE 20 AMP UNLESS INDICATED OTHERWISE.

G. WATER COOLERS, WHERE PRESENT, SHALL BE FED FROM A GFCI BREAKER.

H. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

I. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

1 J. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

K. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

L. UTILITZE EXISTING CIRCUIT AND DISCONNECTING MEANS TO CONNECT NEW FPV MOTORS. PROVIDE CONDUIT AND WIRING AS REQUIRED.

PLAN NOTES: (#)

1. EXISTING DEVICES WHICH WERE NOT REMOVED DURING DEMO AND TO REMAIN. EXTEND EXISTING CONDUIT, PROVIDE NEW WIRING TO EXISTING PANELS.

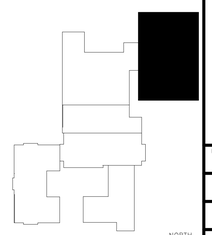
2. EXISTING TO REMAIN.

3. PROVIDE NEW BLANK COVER AT BOX LOCATION.

4. DEVICE MOUNTED 1'-6" ABOVE RAISED FLOOR (FINISHED).

5. PROVIDE AN EMERGENCY CIRCUIT FROM LOCAL EM PANEL. UPDATE PANEL SCHEDULE (PROVIDE MECHANICALLY NEW), UPDATE AS-BUILTS TO INDICATE WHERE FED FROM.

6. PROVIDE RECESSED, FIRE-RATED POKE-THROUGH FLOOR TYPE BOX WITH CAST ALUMINUM COVERS. FLOOR BOX AND COVER APPROVAL BASED ON SUBMITTAL DOCUMENTATION PROVIDED PRIOR TO INSTALLATION. PROVIDE FLOOR X-RAY PRIOR TO PENETRATING FLOOR TO ENSURE LOCATION OF HOLE FOR FLOOR BOX WILL NOT COMPROMISE THE FLOORS INTEGRITY.



PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8911 Milwaukee (414) 271-1905
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design data for use on this project only and not for extensions of the project or for any other project. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP237

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 11:46:59 AM

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

C. COORDINATE FLOOR BOX LOCATION PRIOR TO INSTALLATION.

D. COORDINATE RECEPTACLE PLACEMENT WITH OFFICE FURNITURE LAYOUTS.

E. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

F. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

G. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

H. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

I. PROVIDE 1 1/2" DEEP BACK BOXES FOR ALL DEVICES MOUNTED FLUSH WITHIN 1 5/8" STUD DEPTHS FOR EXTERIOR WALLS OF NEW ADDITION.

PLAN NOTES: (#)

1. EXISTING WATER HEATER RELOCATED FROM ROOM 03.0.036. PROVIDE NEW CONDUIT, WIRING AND CIRCUIT BREAKER "AS REQUIRED" FROM AN EXISTING PANEL. EXISTING CONTROLS AND DISCONNECTS MOUNTED AND TERMINATED BY THE ELECTRICAL CONTRACTOR. PROVIDE UPDATED PANEL SCHEDULE AND AS-BUILT DRAWINGS INDICATING PANEL AND CIRCUITING. LOAD,120VAC, WH-1 (1P20A).

2. REPLACE EXISTING WITH TAMPER PROOF DEVICES.

3. CIRCUITING INDICATED ON DRAWING INDICATES CIRCUITS REQUIRED TO FEED EXISTING AND NEW DEVICES. 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 TYPED PANEL SCHEDULE FOR NEW/EXISTING LOADS IN EXISTING PANEL.

4. PROVIDE AN EMERGENCY POWER CONNECTION TO (BAS) BUILDING AUTOMATION SYSTEM CONTROL PANEL AND WORK STATION RECEPTACLE (BAS-WK). PANEL PROVIDED AND INSTALLED BY OTHERS. VERIFY FINAL LOCATION WITH CONTRACTOR INSTALLING (BAS) SYSTEM PRIOR TO CONDUIT INSTALLATION. CURRENT LOCATION ACCOUNTS FOR PANEL SPACE, AND CONTROL PANEL CIRCUIT.

5. REPLACE EXISTING WITH NEW DEVICES.

6. EXISTING DEVICES TO BE REMOVED, EXISTING WIRING CAPPED OFF AND TIED INTO JUNCTION BOX WHICH SERVES ROOM. PROVIDE BLANK WALL PLATE.

7. PROVIDED HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM OVERHEAD CEILING. POWER POLE PROVIDED BY FURNITURE SUPLIER, INSTALLED AND TERMINATED BY ELCECTRICAL CONTRACTOR.

8. PROVIDE NEW, EXTEND EXISTING CONDUIT AND CONDUCTORS, MAKE CONNECTIONS/TERMINATIONS TO NEW AC-4 (AHU) AIR HANDLING UNIT WHICH WAS REPLACED. SEE HVAC DRAWINGS FOR ADDITIONAL INFORMATION.

9. PROVIDE CIRCUIT BREAKERS, CONDUIT AND WIRING FROM AN EXISTING PANEL SOURCE FOR NEW WATER HEATER (WH-2) AND WATER RECIRCULATING PUMP (RCP-1). PROVIDE LOCKABLE DISCONNECTS, STARTERS, AND TERMINATIONS WHICH MATCH EXISTING WHICH ARE LOCATED ON LEVEL 780.00 HHS NORTH.

10. FLOW/TAMPER SWITCHES AND EXTERIOR NOTIFICATION DEVICES, VERIFY VOLTAGE CONNECTIONS WITH FIRE ALARM AND FIRE PROTECTION CONTRACTORS. WHERE THE REQUIRED VOLTAGE IS LOWER THAN 120VAC, ALL CONDUIT, WIRING WILL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.

11. PROVIDE SOLENOID CONNECTION AND MANUAL ILLUMINATED PILOT LIGHT TO CONTROL WATER VALVE. PILOT LIGHT IS ILLUMINATED WHEN WATER FLOW TO ROOM IS TURNED OFF FOR TESTING.

12. ELEVATOR 10.E2, PROVIDE AND INSTALL A 600VAC, 3 PHASE BUSSMANN POWER MODULE WITH CLASS (J) FUSES. INCLUDE OPTIONS: CONTROL POWER TRANSFORMER WITH FUSES AND BLOCKS ALONG WITH PILOT LIGHT (ON).

1 LEVEL 820.00 POWER PLAN-HHS NORTH/OCAC SOUTH

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

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 661-4844 Milwaukee (414) 431-1005
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information herein on an "as is" basis. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: to indemnify and hold McMahon harmless from any reuse or changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. EP238

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:34:59 AM

GENERAL NOTES:

A. RECEPTACLES LOCATED WITHIN 6' OF SINK AND NOT READILY ACCESSIBLE SHALL BE FED WITH 20AMP GFCI BREAKER FROM LOCAL PANEL.

B. COORDINATE FLOOR BOX LOCATION PRIOR TO INSTALLATION.

C. COORDINATE RECEPTACLE PLACEMENT WITH OFFICE FURNITURE LAYOUTS.

D. VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION FOR ANY WALL MOUNTED MONITOR.

E. ALL RECEPTACLES WHICH ARE CONNECTED TO AN EMERGENCY (EM AND/OR SB) SYSTEM BRANCH CIRCUIT SHALL BE RED IN COLOR. PROVIDE MATCHING RED COVER PLATE FOR EACH DEVICE.

F. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

G. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

H. PROVIDE 1 1/2" DEEP BACK BOXES FOR ALL DEVICES MOUNTED FLUSH WITHIN 1 5/8" STUD DEPTHS FOR EXTERIOR WALLS OF NEW ADDITION.

PLAN NOTES: (#)

1. PROVIDED HARDWIRE FURNITURE CONNECTION TO WORKSTATION FROM WALL LOCATION.

2. COORDINATE RECEPTACLE PLACEMENT WITH FINAL EQUIPMENT LOCATIONS.

3. PROVIDE AN EMERGENCY POWER CONNECTION TO (BAS) BUILDING AUTOMATION SYSTEM CONTROL PANEL AND WORK STATION RECEPTACLE (BAS-WK). PANEL PROVIDED AND INSTALLED BY OTHERS. VERIFY FINAL LOCATION WITH CONTRACTOR INSTALLING (BAS) SYSTEM PRIOR TO CONDUIT INSTALLATION. CURRENT LOCATION ACCOUNTS FOR PANEL SPACE, AND CONTROL PANEL CIRCUIT.

4. PROVIDE 120VAC POWER CONNECTIONS TO THE FOLLOWING SECURITY, FIRE ALARM, AND SYSTEMS EQUIPMENT: (3) FA NAC'S PER FLOOR USING (1) 120VAC 15AMP CIRCUIT, (2) TRANSPONDER'S FOR THE DURESS SYSTEM, EACH USING (1) 120VAC 15AMP CIRCUIT, AND (3) POWER SUPPLIES FOR THE ACCESS CONTROL SYSTEM, EACH WITH 120VAC 15AMP CIRCUITS. (1) PAGING AMP PER FLOOR THAT WILL REQUIRE A 120V CIRCUIT TO A POWER SUPPLY PLUG IN TRANSFORMER WHICH CAN BE SUPPLIED FROM A RECEPTACLE. VERIFY SYSTEMS, SECURITY, AND FIRE ALARM DRAWINGS, AND PROVIDERS WHERE CIRCUITING WILL ORIGINATE FROM (NORMAL OR EMERGENCY SOURCES). PROVIDE BREAKERS AND BREAKER LOCKS AS SPECIFIED PER EQUIPMENT BEING INSTALLED. INDICATE ON AS-BUILT DRAWINGS AND PANEL SCHEDULES WHERE CIRCUITING FOR EQUIPMENT IS TERMINATED.

5.PROVIDE SOLENOID CONNECTION AND MANUAL ILLUMINATED PILOT LIGHT TO CONTROL WATER VALVE. PILOT LIGHT IS ILLUMINATED WHEN WATER FLOW TO ROOM IS TURNED OFF FOR TESTING.

6. ELEVATOR 10.E1, PROVIDE AND INSTALL A 600VAC, 3 PHASE BUSSMANN POWER MODULE WITH CLASS (J) FUSES. INCLUDE OPTIONS: CONTROL POWER TRANSFORMER WITH FUSES AND BLOCKS ALONG WITH PILOT LIGHT (ON).

7. ROLLING SHUTTER/FIRE GATE.

1 LEVEL 820.00 POWER PLAN-OCAC NORTH

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

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Phone: (608) 241-8525
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all of its contents for use as instrument of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the following: (1) indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or media; (2) not to reuse, disclose, sell or modify the drawings or data in any manner without the express written permission of McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP239

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:04 AM

SPECIAL OUTLET SCHEDULE

CALLOUT	EQUIPMENT DESCRIPTION	COUNT	VOLTAGE	POLES	LOAD (kVA)	PANEL	CIRCUIT	LOCATION	NOTES
010ELEV-101	ELEVATOR #1	1	480 V	3	23.268	010DPHSB 1A	7,9,11	ELEVATOR 10.E1	PROVIDE 40AMP FEED TO ELECTRICAL CONTRACTOR SUPPLIED (FUSED) BUSSMANN POWER MODULE
010ELEV-102	ELEVATOR #2	1	480 V	3	23.268	010DPHSB 1A	8,10,12	ELEVATOR 10.E2	PROVIDE 40AMP FEED TO ELECTRICAL CONTRACTOR SUPPLIED (FUSED) BUSSMANN POWER MODULE
AUTO CLV	AUTO CLAVE	1	120 V	1	0.8	PNL 4	28	LAB 03.3.180	
BC	BATTERY CHARGER	1	120 V	1	1.1	010PL1AL	43	EXTERIOR NEAR GENERATOR	
BH	BLOCK HEATER	1	120 V	1	1.5	010PL1AL	42	EXTERIOR NEAR GENERATOR	
DTS	DRUG TESTING SOLENOID VALVE	1	120 V	1	0.2	010PL1BL	10	TOILET ROOM 10.1.009	PROVIDE CONNECTION, VALVE PROVIDED BY OTHERS
DTS	DRUG TESTING SOLENOID VALVE	1	120 V	1	0.2	PNL 3B	2	TOILET ROOM 03.2.109	PROVIDE CONNECTION, VALVE PROVIDED BY OTHERS
DTS	DRUG TESTING SOLENOID VALVE	1	120 V	1	0.2	PNL 4A	3	TOILET ROOM 03.3.145	PROVIDE CONNECTION, VALVE PROVIDED BY OTHERS
DTS	DRUG TESTING SOLENOID VALVE	1	120 V	1	0.2	010PL3BR	32	TOILET ROOM 10.3.048	PROVIDE CONNECTION, VALVE PROVIDED BY OTHERS
ELV 1 GFCI	ELEVATOR PIT RECEPTACLE	1	120 V	1	0.18	010PLSB1 A	12	ELEVATOR 10.E1	PROVIDE A WEATHER RESISTANT 20AMP GFCI RECEPTACLE IN A NEMA 4 BOX AND A HEAVY DUTY IN USE COVER.
ELV 1 GFCI	ELEVATOR MACHINE ROOM RECEPTACLE	1	120 V	1	0.18	010PLSB3 A	19	ELEVATOR 10.E1	PROVIDE A WEATHER RESISTANT 20AMP GFCI RECEPTACLE IN A NEMA 4 BOX AND A HEAVY DUTY IN USE COVER.
ELV 2 GFCI	ELEVATOR PIT RECEPTACLE	1	120 V	1	0.18	010PLSB2 B	1	ELEVATOR 10.E2	PROVIDE A WEATHER RESISTANT 20AMP GFCI RECEPTACLE IN A NEMA 4 BOX AND A HEAVY DUTY IN USE COVER.
ELV 2 GFCI	ELEVATOR MACHINE ROOM RECEPTACLE	1	120 V	1	0.18	010PLSB2 B	10	ELEVATOR 10.E2	PROVIDE A WEATHER RESISTANT 20AMP GFCI RECEPTACLE IN A NEMA 4 BOX AND A HEAVY DUTY IN USE COVER.
ELVCL-1	ELEVATOR CAR LIGHTING CONNECTION	1	120 V	1	1.44	010PLEM1 B	16	ELEVATOR 10.E1	PROVIDE FUSED/BREAKER LOCKABLE DISCONNECT AND CONNECTIONS AS REQUIRED FOR CAR LIGHTING
ELVCL-2	ELEVATOR CAR LIGHTING CONNECTION	1	120 V	1	1.44	010PLEM3 A	1	ELEVATOR 10.E2	PROVIDE FUSED/BREAKER LOCKABLE DISCONNECT AND CONNECTIONS AS REQUIRED FOR CAR LIGHTING
FF-1	FURNITURE FEED	1	120 V	1	0.96	010PL1BL	18	OPEN OFFICE 10.1.022	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-2	FURNITURE FEED	1	120 V	1	1.08	010PL1BL	20	OPEN OFFICE 10.1.022	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-3	FURNITURE FEED	1	120 V	1	1.08	010PL1BL	16	OPEN OFFICE 10.1.022	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-4	FURNITURE FEED	1	120 V	1	0.9			OPEN OFFICE 01.3.002	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-5	FURNITURE FEED	1	120 V	1	1.2	010PL1BR	23	WAITING ROOM 10.1.031	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-6	FURNITURE FEED	1	120 V	1	1.2	010PL1BR	24	WAITING ROOM 10.1.031	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-7	FURNITURE FEED	1	120 V	1	0.72	010PL1BR	26	WAITING ROOM 10.1.031	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-8	FURNITURE FEED	1	120 V	1	0.72	010PL1BR	26	WAITING ROOM 10.1.031	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-9	FURNITURE FEED	1	120 V	1	0.92	010PL1BR	27	WAITING ROOM 10.1.031	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-10	FURNITURE FEED	1	120 V	1	1.2	010PL1BR	29	WAITING ROOM 10.1.031	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-11	FURNITURE FEED	1	120 V	1	0.9	010PL2B	32	OPEN OFFICE 10.2.027	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-12	FURNITURE FEED	1	120 V	1	0.6	010PL2B	20	OPEN OFFICE 10.2.022	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-13	FURNITURE FEED	1	120 V	1	0.9	010PL2B	19	OPEN OFFICE 10.2.022	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-14	FURNITURE FEED	1	120 V	1	1.2	010PL3A	13	OPEN OFFICE 10.3.136	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-15	FURNITURE FEED	1	120 V	1	1.2	010PL1AR	33	OPEN OFFICE 10.1.139	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-16	FURNITURE FEED	1	120 V	1	1.2	PNL 68	9	OPEN OFFICE 01.1.023	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-17	FURNITURE FEED	1	120 V	1	1.2	010PL1AR	35	OPEN OFFICE 10.1.139	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-18	FURNITURE FEED	1	120 V	1	0.9	GNLB	12	OPEN OFFICE 04.0.005	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-19	FURNITURE FEED	1	120 V	1	1.5	010PL1AL	29	OPEN OFFICE 10.1.139	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-20	FURNITURE FEED	1	120 V	1	1.2	PNL 3	32	OPEN OFFICE 03.2.113	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-21	FURNITURE FEED	1	120 V	1	0.8	PNL 3	29	OPEN OFFICE 03.2.113	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-22	FURNITURE FEED	1	120 V	1	0.6	PNL 3	31	OPEN OFFICE 03.2.113	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-23	FURNITURE FEED	1	120 V	1	0.8	PNL 3	25	OPEN OFFICE 03.2.113	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-24	FURNITURE FEED	1	120 V	1	1.2	GNLD	14	OPEN OFFICE 04.1.036	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-25	FURNITURE FEED	1	120 V	1	1.2	GNLD	15	OPEN OFFICE 04.1.036	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-26	FURNITURE FEED	1	120 V	1	1.2	GNLD	46	OPEN OFFICE 04.1.008	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-27	FURNITURE FEED	1	120 V	1	1.2	GNLD	37	OPEN OFFICE 04.1.008	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-28	FURNITURE FEED	1	120 V	1	1.2	GNLD	36	OPEN OFFICE 04.1.008	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-29	FURNITURE FEED	1	120 V	1	0.6	GNLD	32	OPEN OFFICE 04.1.004	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-30	FURNITURE FEED	1	120 V	1	0.6	GNLD	28	OPEN OFFICE 04.1.004	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE

SPECIAL OUTLET SCHEDULE (CONT. 1)

CALLOUT	EQUIPMENT DESCRIPTION	COUNT	VOLTAGE	POLES	LOAD (kVA)	PANEL	CIRCUIT	LOCATION	NOTES
FF-31	FURNITURE FEED	1	120 V	1	1.2	PNL 68	11	OPEN OFFICE 01.1.030	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FF-32	FURNITURE FEED	1	120 V	1	1.2	PNL 68	17	OPEN OFFICE 01.1.023	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FG-1	FIRE GATE	1	120 V	1	1.176	010PLEM1 A	2	Space 03,E6	PROVIDE A LOCAL DISCONNECTING MEANS CAPABLE OF BEING LOCKED IN THE OPEN AND CLOSED POSITION. VERIFY VOLTAGE, AMP DRAW AND INSTALLATION REQUIREMENTS WITH GATE SUPPLIER PRIOR TO INSTALLATION.
FG-2	FIRE GATE	1	120 V	1	1.176	010PLEM1 B	18	CORRIDOR 10.3.001	PROVIDE A LOCAL DISCONNECTING MEANS CAPABLE OF BEING LOCKED IN THE OPEN AND CLOSED POSITION. VERIFY VOLTAGE, AMP DRAW AND INSTALLATION REQUIREMENTS WITH GATE SUPPLIER PRIOR TO INSTALLATION.
FG-3	FIRE GATE	1	120 V	1	1.176	010PLEM1 B	17	CORRIDOR 10.3.009	PROVIDE A LOCAL DISCONNECTING MEANS CAPABLE OF BEING LOCKED IN THE OPEN AND CLOSED POSITION. VERIFY VOLTAGE, AMP DRAW AND INSTALLATION REQUIREMENTS WITH GATE SUPPLIER PRIOR TO INSTALLATION.
FLOW SWITCH	FLOW SWITCH (RISER) LEVEL 790.00	1	120 V	1	0.1			MECHANICAL 10.1.145	PROVIDE LOCAL LOCKABLE DISCONNECTING MEANS LOCATED ADJACENT TO FLOW SWITCH AND BREAKER LOCK OB BREAKER FEEDING DEVICE. PROVIDE A 120VAC CONNECTION AS REQUIRED. VERIFY FINAL SUBMITTAL DOCUMENTATION PRIOR TO INSTALLATION.
FLOW SWITCH	FLOW SWITCH (RISER) LEVEL 805.00	1	120 V	1	0.1			MECHANICAL 10.2.084	PROVIDE LOCAL LOCKABLE DISCONNECTING MEANS LOCATED ADJACENT TO FLOW SWITCH AND BREAKER LOCK OB BREAKER FEEDING DEVICE. PROVIDE A 120VAC CONNECTION AS REQUIRED. VERIFY FINAL SUBMITTAL DOCUMENTATION PRIOR TO INSTALLATION.
FLOW SWITCH	FLOW SWITCH (RISER) LEVEL 820.00	1	120 V	1	0.1			MECHANICAL 10.3.123	PROVIDE LOCAL LOCKABLE DISCONNECTING MEANS LOCATED ADJACENT TO FLOW SWITCH AND BREAKER LOCK OB BREAKER FEEDING DEVICE. PROVIDE A 120VAC CONNECTION AS REQUIRED. VERIFY FINAL SUBMITTAL DOCUMENTATION PRIOR TO INSTALLATION.
INC	INCUBATOR	1	120 V	1	0.8	PNL 4	25	LAB 03.3.180	
INC	INCUBATOR	1	120 V	1	0.8	PNL 4	24	LAB 03.3.180	
PA-1	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	1	NON-SECURE VESTIBULE 10.1.001	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-2	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	2	NON-SECURE VESTIBULE 10.1.001	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-3	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	3	NON-SECURE VESTIBULE 10.1.001	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-4	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	4	NON-SECURE VESTIBULE 10.1.001	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-5	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	5	VESTIBULE 10.1.002	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-6	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	6	VESTIBULE 10.1.002	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-7	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	7	VESTIBULE 10.1.002	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-8	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	8	VESTIBULE 10.1.002	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-9	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PL1BL	29	CORRIDOR 10.1.006	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-10	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PL1BL	28	CORRIDOR 10.1.006	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-11	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	10	WAITING ROOM 10.1.031	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-12	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1 B	11	CORRIDOR 10.1.038	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
MADISON, WI 53719 MILWAUKEE, WI 53202
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all of the information on it as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from any reuse of changes made to the original drawings or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
POWER SCHEDULE, SPECIAL OUTLETS - 1 OF 2

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP803

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:08 AM

PLUMBING EQUIPMENT SCHEDULE

CALLOUT	EQUIPMENT DESCRIPTION	COUNT	VOLTAGE	POLES	LOAD (kVA)	HORSEPOWER	PANEL	CIRCUIT	LOCATION	NOTES
(EX) WH-1	WATER HEATER (EXISTING)	1	120 V	1	0.6				ELECTRICAL 03.3.172	EXISTING RELOCATED FROM HHS NORTH ROOM 03.0.036.
ELV SUMP 1	ELEVATOR SUMP PUMP (MIGHTY-MATE 50 SERIES)	1	120 V	1	0.576	3/10	010PLSB1A	26	ELEVATOR 10.E1	PROVIDE A SINGLE WEATHER RESISTANT 20AMP RECEPTACLE IN A NEMA 4 BOX AND A HEAVY DUTY IN USE COVER.
ELV SUMP 2	ELEVATOR SUMP PUMP (MIGHTY-MATE 50 SERIES)	1	120 V	1	0.576	3/10	010PLSB2B	17	ELEVATOR 10.E2	PROVIDE A SINGLE WEATHER RESISTANT 20AMP RECEPTACLE IN A NEMA 4 BOX AND A HEAVY DUTY IN USE COVER.
EWC-1	ELECTRIC WATER COOLER	1	120 V	1	0.504		010PL3BL	1	WAITING ROOM 10.3.010	PROVIDE GFCI PROTECTION FROM PANEL SERVED, VERIFY FINAL MOUNTING HEIGHT
EWC-2	ELECTRIC WATER COOLER	1	120 V	1	0.504		010PL1BL	32	CORRIDOR 10.1.006	PROVIDE GFCI PROTECTION FROM PANEL SERVED, VERIFY FINAL MOUNTING HEIGHT
EWC-2	ELECTRIC WATER COOLER	1	120 V	1	0.504		010PL1AR	28	CORRIDOR 10.1.028	PROVIDE GFCI PROTECTION FROM PANEL SERVED, VERIFY FINAL MOUNTING HEIGHT
EWC-2	ELECTRIC WATER COOLER	1	120 V	1	0.504		010PL2B	48	CORRIDOR 10.2.001	PROVIDE GFCI PROTECTION FROM PANEL SERVED, VERIFY FINAL MOUNTING HEIGHT
EWC-2	ELECTRIC WATER COOLER	1	120 V	1	0.504		010PL2A	1	CORRIDOR 10.2.031	PROVIDE GFCI PROTECTION FROM PANEL SERVED, VERIFY FINAL MOUNTING HEIGHT
EWC-2	ELECTRIC WATER COOLER	1	120 V	1	0.504		010PL3BL	19	CORRIDOR 10.3.001	PROVIDE GFCI PROTECTION FROM PANEL SERVED, VERIFY FINAL MOUNTING HEIGHT
EWC-2	ELECTRIC WATER COOLER	1	120 V	1	0.504		010PL3A	1	CORRIDOR 10.3.009	PROVIDE GFCI PROTECTION FROM PANEL SERVED, VERIFY FINAL MOUNTING HEIGHT
EWC-2	ELECTRIC WATER COOLER	1	120 V	1	0.504		LPBB	10	CORRIDOR 03.1.206	PROVIDE GFCI PROTECTION FROM PANEL SERVED, VERIFY FINAL MOUNTING HEIGHT
ODS-1	ELEVATOR PIT OIL DETECTION SYSTEM MODEL OA-2100	1	120 V	1	0.36		010PLSB1A	13	ELEVATOR 10.E1	PROVIDE A SINGLE WEATHER RESISTANT 20AMP RECEPTACLE IN A NEMA 4 BOX AND A HEAVY DUTY IN USE COVER.
ODS-2	ELEVATOR PIT OIL DETECTION SYSTEM MODEL OA-2100	1	120 V	1	0.36		010PLSB2B	2	ELEVATOR 10.E2	PROVIDE A SINGLE WEATHER RESISTANT 20AMP RECEPTACLE IN A NEMA 4 BOX AND A HEAVY DUTY IN USE COVER.
RCP	DOMESTIC HOT WATER CIRCULATING PUMP	1	120 V	1	0.36	1/6			ELECTRICAL 03.3.172	CIRC PUMP CONTROLLER PROVIDED BY OTHERS, INSTALLED AND TERMINATED BY ELECTRICAL CONTRACTOR PROVIDE LOCAL LOCKABLE MANUAL MOTOR RATED DISCONNECTING MEANS AND TERMINATIONS
WH-2	WATER HEATER	1	120 V	1	0.6				ELECTRICAL 03.3.172	PROVIDE LOCAL LOCKABLE MANUAL MOTOR RATED DISCONNECTING MEANS AND TERMINATIONS

1

1

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI (608) 661-4844 Milwaukee, WI (414) 727-9505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all its contents for use as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the terms and conditions set forth to indemnify and hold McMahon harmless from any reuse or changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP805

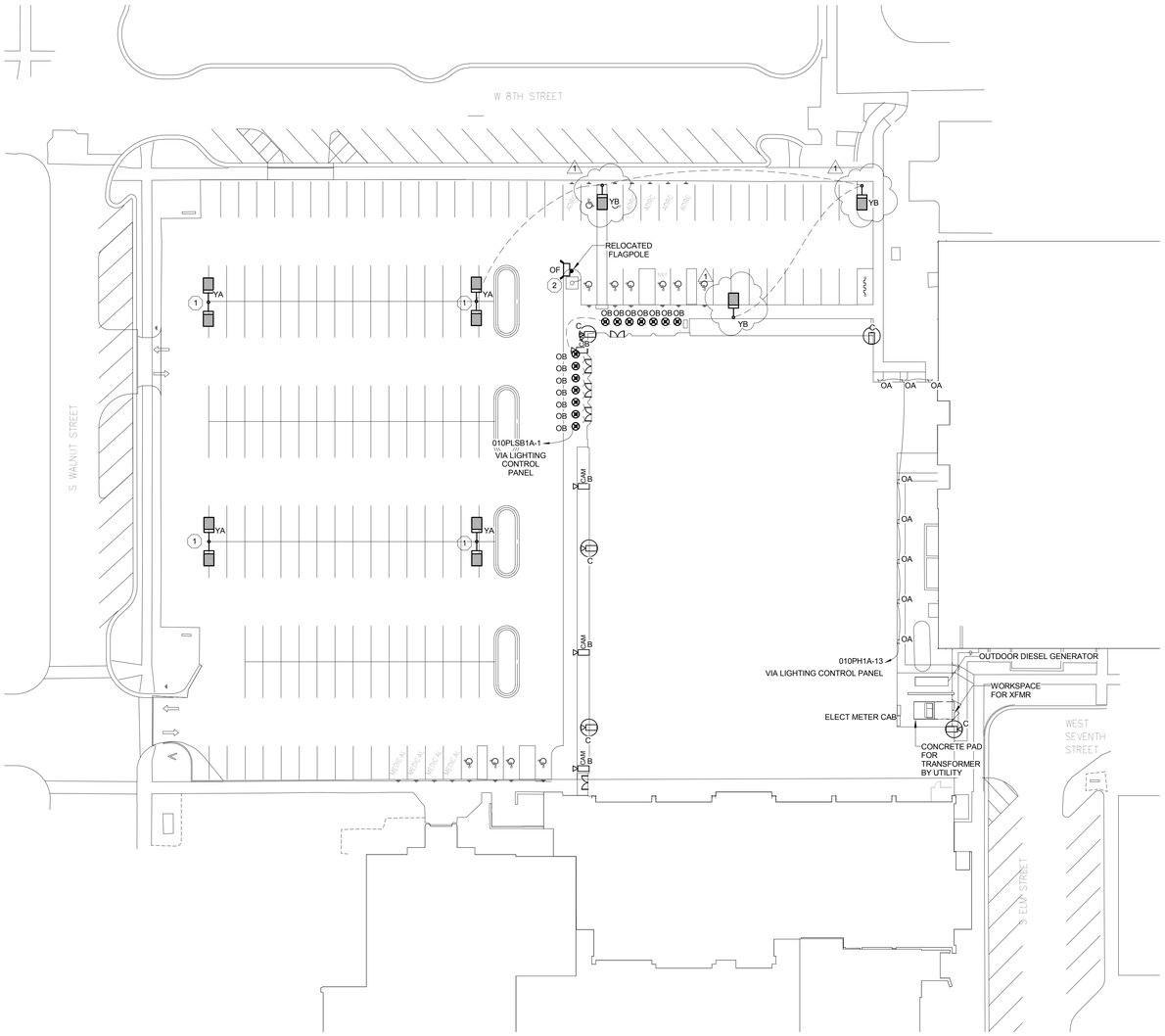
C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:10 AM

PLAN NOTES: (#)

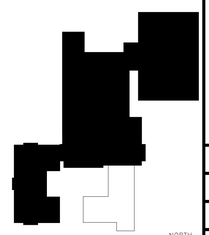
1. EXISTING FIXTURE AND POLE TO REMAIN. EXISTING CIRCUITRY BETWEEN FIXTURES TO REMAIN. CONNECT EXISTING FIXTURES TO NEW SITE LIGHTING WIRING AND CONTROLS.

2. FLAGPOLE LIGHTING, MOUNTED ON FLAG POLE AT 9'-0" ABOVE FINISHED GRADE.



1 SITE ELECTRICAL PLAN

Scale: 1" = 30'-0"



PLAN KEY

NORTH

NORTH

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

McMahon provides this drawing and digital data solely for use as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the limitations contained herein, to indemnify and hold McMahon harmless for reuse and for changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
JMM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ES101

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:15 AM

SITE LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP TYPE	LAMP COLOR	LAMP QTY PER FIXTURE	VOLTAGE	WATTAGE	NOTES
OA	LED WALL PACK - FULL CUTOFF WITH DIFFUSER	HUBBELL	LNC2 7L U 4K 3 *FINISH* PC / 93044013	LED	4000 K	1	277 V	17W	1
OB	18" DIAMETER X 35" H REINFORCED CONCRETE BOLLARD	WAUSAU MADE	BOLLARD TF6051 WITH TF8025 LED LIGHT FIXTURE	LED	4000 K	1	120 V	13W	1
OF	LED FLAG POLE LIGHT - POLE MOUNTED	LITHONIA	DSXF1 P1 40K NSP MVOLT DNAXD	LED	4000 K	1	277 V	21W	1
YA	EXISTING TO REMAIN				4000 K		120 V	0W	
YB	LED AREA LIGHT WITH 30' POLE AND 30" CONCRETE BASE	LSI INDUSTRIES	XLCS 3 LED NW UE BRZ / X4RPP / 4RPB3-30'	LED	4000 K	1	277 V	140W	1

1

SITE LIGHTING SCHEDULE NOTES:

1. CONFIRM COLOR WITH ARCHITECT/OWNER. VERIFY ALL MOUNTING REQUIREMENTS.

TYPE: YB

LED AREA LIGHTS - LSI SLICE SMALL (XLCS)

DOE LIGHTING FACTS
Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

LIGHT OUTPUT - XLCS

	Lumens (Nominal)				Watts
	Type 3	Type FT	Type S	TypeFTE	(Nominal)
P1	10100	11400	11400	8200	1900	97
P2	14900	15500	15700	11000	13600	145
P1	9700	10400	10800	7900	7500	97
P2	13600	14700	15200	11000	10500	145

LED Chips are frequently updated therefore values may increase.

SMARTTEC™ - LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.

ENERGY SAVING CONTROL OPTION - DIM - 0-10 volt dimming enabled with controls by others.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Select high-brightness LEDs in Cool White (5000K), or Neutral White (4000K) color temperature, 70 CRI.

DISTRIBUTION/PERFORMANCE - Types 3, FT, S and enhanced SE and FTE. Exceptional uniformity creates bright environment at lower light levels. Internal Louver (IL) option available for improved backlight control without sacrificing street side performance for FT distribution.

HOUSING - One-piece, die-formed aluminum housing contains factory prewired driver. Wiring access door (with safety lanyard) located underneath.

OPTICAL UNIT - Clear tempered flat glass lens permanently sealed to weather-tight aluminum optic frame creates an IP65 rated optical unit (includes pressure-stabilizing breather).

MOUNTING - Tapered rear design allows fixtures to be mounted in 90° and 120° configurations without the need for extension arms. Use with 3" reduced drilling pattern. A round pole plate is required for mounting to round poles. Wall mount available by ordering wall mounting bracket (BKO-XSO-WM/*-CLR). Proprietary pole quick mount accessories available with horizontal mounting or fixed 15° angled mounting (PQMH-KIT-CLR and PQMV15-KIT-CLR) for mounting to square poles. See Accessory Ordering Information chart for all brackets.

ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply (120-277 VAC (50/60Hz) input), and 347-480 VAC. Optional button-type photocells (PO) are available in 120, 208, 240, 277 or 347 volt (supply voltage must be specified).

DRIVER - Available in SS (Super Saver) and HO (High Output) drive currents. Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F)

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Available in black, bronze and white. Other standard LSI finishes available. Consult factory.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.

SHIPPING WEIGHT (in carton) - One fixture: 17.5 lbs. (7.9 kg). Packed two per carton: 30 lbs. (13.6 kg).

LISTING - UL listed to U.S. and international safety standards. Suitable for wet locations. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.

ARRA BUY AMERICAN | ETL Intertek | cULus Recognized | RoHS Compliant | CE | FC | IP65

Fixtures comply with ANSI C136.31-2010 American National Standard for Roadway Lighting Equipment – Luminaire Vibration 1.5G requirements.

Project Name: OUTAGAMIE COUNTY ADMINISTRATION CENTER / Fixture Type: YB
Catalog #: XLCS 3 LED NW UE BRZ
01/04/17 © 2017 LSI INDUSTRIES INC.

LED AREA LIGHTS - LSI SLICE SMALL (XLCS)

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XLCS S LED SS 50 UE BLK PCR**

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Options
XLCS	T1 - Type III S - Type V FT - Forward Throw SE - Type V Enhanced FTE - Forward Throw Enhanced	LED	SS - Super Saver HO -High Output	50 - 5000K 40 - 4000K	F - Universal Voltage (120-277V) 347-480 Universal Voltage (347-480V)	BLK - Black BRZ - Bronze WHT - White	DIM - 0-10V Dimming (from external signal) Requires 2 additional conductors PCI-CL - 120V PCI208-277V - 208-277V PCI347 - 347V IL - Internal Louver (available with FT distribution only)

LUMINAIRE EPA CHART - PLCS

Horizontal Mounting Only	
Single	0.5
D180°	0.9
D90°	0.6
T90°	1.4
TR120°	1.4
QS90°	1.6

Note: House Side Shield adds to future EPA. Consult Factory.

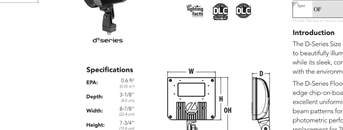
ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number
BKO-XSO-WM/*-CLR- Wall Mount Bracket	XBO3DDLR
XLCS-3T-HSS (Black only)	XLCS3DLA*
LQWP Round Pole Plate for 3" O.D.P Poles	XWB1DLA
LSWP Square Pole Plate for 3" Poles	XWB2DLA
PQMH-KIT-CLR Square Pole Quick Mount Horizontal Bracket	XBO3DDLR
PQMV-KIT-CLR Square Pole Quick Mount Vertical Bracket	XBO3DDLR

Description	Order Number
RKIT- Single Fusing (277V)	FKIT*
RFUSE_HV- Double Fusing (208V-240V)	FFUSE_HV*
RFUSE- Double Fusing (480V)	FFUSE*
TSOC- Single Fusing (347V)	FSOC*
PQMH-KIT-CLR Square Pole Quick Mount Horizontal Bracket	XBO3DDLR
PQMV-KIT-CLR Square Pole Quick Mount Vertical Bracket w/Dual 12 Angle	XBO3DDLR

FOOTNOTES:
1 - House Side Shields add to fixture EPA. Consult Factory
2 - Fusing must be located in the hand hole of pole.

DIMENSIONS



Project Name: / Fixture Type:
Catalog #:
01/04/17 © 2017 LSI INDUSTRIES INC.

LED AREA LIGHTS - LSI SLICE SMALL (XLCS)

BUG LISTING

XLCS - Type 3

Drive Current	Color Temp. *	Lumens	Watts	LER	BUG Rating
HO	CW	14,020	143	98	B3-U0-G2
	CW-HSS	8815	146	60	B2-U0-G2
	NW	13,421	143	94	B3-U0-G2
SS	CW	10,126	97	105	B3-U0-G2
	NW	9719	97	101	B3-U0-G2
	NW-HSS	6111	96	64	B2-U0-G2
	CW	10,581	96	110	B2-U0-G2
	CW-HSS	8099	96	85	B1-U0-G2
	CW-IL	10,509	96	109	B2-U0-G2
	NW	10,410	96	108	B2-U0-G2
	NW-HSS	7939	99	79	B1-U0-G2
	NW-IL	9328	98	95	B2-U0-G2

XLCS - Type FT

Drive Current	Color Temp. *	Lumens	Watts	LER	BUG Rating
HO	CW	15,535	139	112	B3-U0-G2
	CW-HSS	12,489	139	90	B1-U0-G2
	CW-IL	14,584	138	104	B3-U0-G2
	NW	14,694	146	100	B3-U0-G2
	NW-HSS	10,499	144	73	B1-U0-G2
	NW-IL	12,763	144	89	B2-U0-G2
SS	CW	11,383	96	118	B2-U0-G2
	CW-HSS	9099	96	95	B1-U0-G2
	CW-IL	10,509	96	109	B2-U0-G2
	NW	10,410	96	108	B2-U0-G2
	NW-HSS	7939	99	79	B1-U0-G2
	NW-IL	9328	98	95	B2-U0-G2

XLCS - Type S

Drive Current	Color Temp. *	Lumens	Watts	LER	BUG Rating
HO	CW	15,674	138	113	B4-U0-G2
	NW	15,144	146	104	B4-U0-G2
SS	CW	11,449	96	119	B3-U0-G2
	NW	10,702	96	112	B3-U0-G1

XLCS - Type FTE

Drive Current	Color Temp. *	Lumens	Watts	LER	BUG Rating
HO	CW	10565	141	75	B2-U0-G2
	CW-HSS	7810	146	53	B1-U0-G2
	NW	10,459	146	72	B2-U0-G2
	NW-HSS	7721	146	53	B1-U0-G2
SS	CW	7752	96	81	B2-U0-G2
	CW-HSS	5676	96	59	B1-U0-G2
	NW	7493	96	78	B1-U0-G2
	NW-HSS	5517	96	57	B1-U0-G2

* Color Temperature: NW-4000K, CW-5000K

Project Name: / Fixture Type:
Catalog #:
01/04/17 © 2017 LSI INDUSTRIES INC.

LitePro

Photometric Data Summary

LUMINAIRE: XLCS-3-LED-SS-NW
TEST #XLCS-3-LED-SS-NW
DATE: 2/23/2017
TOTAL LUMINAIRE EFFICIENCY = 100.0

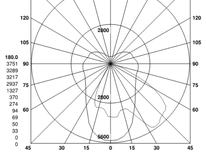
BALLAST:
BALLAST FACTOR: 1.00
INPUT:
LUMENS PER LAMP: 10170
WATTS: 97
CUTOFF TYPE: Full Cutoff
RANGE CLASS: Very Short Range
LUMINOUS OPENING IN FEET
LENGTH: 1.25
WIDTH: 1.25
HEIGHT: 0.00

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2401	23.6	23.6
0-40	3859	38.0	38.0
0-60	7514	73.9	73.9
0-90	10170	100.0	100.0
0-180	10170	100.0	100.0

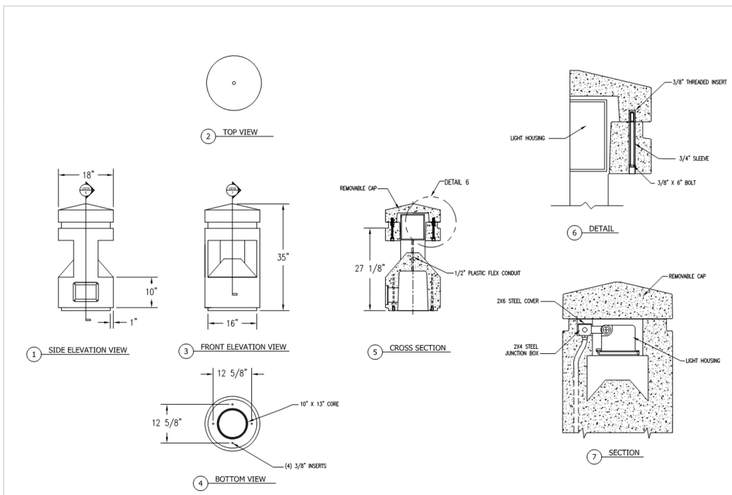
CANDELA SUMMARY

ANGLE	0.0	35.0	85.0	125.0	180.0
0.0	3751	3751	3751	3751	3751
7.5	3769	3717	3507	3314	3289
15.0	3366	3156	2846	2626	3217
22.5	3665	2950	2231	2258	2937
30.0	4871	3072	1983	1799	1327
37.5	5427	3017	2048	1251	370
45.0	5194	2918	2363	622	274
52.5	4933	3102	2576	358	94
60.0	3566	2807	2974	141	69
67.5	1225	2206	2638	70	50
75.0	87	1371	1119	50	33
82.5	18	194	88	10	0
90.0	0	0	0	0	0



Vert. Plane Through 2.5-182.5 Horiz.
Horiz. Cone Through 35.0 Vert.
Max Candelas = 5469 @ 2.5H,35.0V

THIS REPORT IS BASED ON IES TEST DATA FOR A SPECIFIC LAMP/BALLAST COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER LAMP/BALLAST COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. THE BALLAST FACTOR MUST BE APPLIED TO THE LUMEN OUTPUT RATING ASSIGNED TO THE LAMP(S) OR TO THE CANDELA VALUES SHOWN.



WAUSAU TILE INC.
P.O. BOX 1520 WAUSAU, WI 54402-1520
800-388-8728
E-MAIL: WELCOME@AUTILE.COM
WEB SITE: WWW.WAUSAUTILE.COM

REVISIONS

NAME	DATE	NOTES
1	*****	*****
2	*****	*****
3	*****	*****
4	*****	*****
5	*****	*****
6	*****	*****

CONFIDENTIAL INFORMATION
THESE DRAWING, SPECIFICATIONS AND OTHER INFORMATION AND DOCUMENTS ACCOMPANYING THEM ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF WAUSAU TILE, INC. AND SHALL NOT BE REVEALED, SOLD, LOANED TO OR USED BY ANY OTHER PERSON OR CORPORATION WITHOUT THE EXPRESS WRITTEN CONSENT OF WAUSAU TILE, INC. THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS CONTAINED WITHIN THE DRAWINGS AND THE DOCUMENTS IS AND SHALL REMAIN THE SOLE PROPERTY OF WAUSAU TILE, INC.

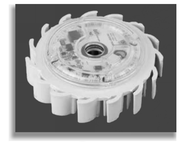
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ±1/8"

DRAWN BY: SK
DATE: 6/16/15
CO NUMBER: 1
WEIGHT: 730 LBS

PRODUCT NO.
TF 6051

WAUSAUTILE
Nature's Own Surface
PO Box 1520
Wausau, WI 54402-1520
800-388-8728
Fax 715-355-4627
www.wausautile.com

MADE IN WAUSAU
Wausau Tile
LED Modules



C UL US LISTED

SPECIFICATION SUMMARY

Model: RM - O1 -	13	23
Wattage @120VAC:	≤13	≤23
Lumens @ 4000K CCT:	1000	1900
Dimensions - Max Diameter / Height:	3.50in. / 1.08in.	6.18in. / 1.32in.
Power:	120VAC 50/60Hz	
Available CCT:	3000K / 4000K	
CRI:	≥80	
Compliance:	UL 1598 / FCC Compliant Class B	
Power Factor:	≥.98	
Dimming:	AC Triac Standard	
L70 Lifespan (TM21 Calculated):	>50,000 hrs.	
Optional Surge Protection:	On Board - Line Voltage	
Lens:	Optical Grade - Polycarbonate	
Max. Ambient Operating Range:	-25°C - +80°C	
Limited Warranty:	10 Yrs.	
Notes:	All values nominal.	

PART NUMBER SPECIFICATION

RM-O1	-	-	-
Series:	Wattage:	CCT:	Voltage:	Surge Protection
	13 (13 Watt)	30 (3000K)	120 - (120VAC)	M (Line Voltage Surge Protection Installed)
	23 (23 Watt)	40 (4000K)		

PROJECT SPECIFICATION

Project:	Part Numbers:	Quantity:
Approved:		
Date:		

Site Furnishing Division - PO Box 1520, Wausau, WI 54402-1520 - (800-388-8728) - www.wausautile.com

D-Series Size 1
LED Flood Luminaire

Catalog Number:
Notes: MOUNTED ON FLAG POLE
Type: OF

Introduction

The D-Series Size 1 Flood features precision optics to beautifully illuminate a variety of applications while its sleek, compact styling blends seamlessly with the environment.

The D-Series Flood reflector systems and cutting-edge chip-on-board LED technology produce excellent uniformity combined with precision beam patterns for minimal spill light and incredible photometric performance. It's the ideal long-life replacement for 70 - 150W metal halide floods, with typical energy savings of 72% and expected service life of over 100,000 hours.

Specifications

EPA: 0.6 ft² (0.05 m²)
Depth: 3-1/8" (80 mm)
Width: 8-7/8" (227 mm)
Height: 7-3/4" (194 mm)
Overall Height 12" (305 mm)
Weight: 7.2 lbs (3.3 kg)

Ordering Information

EXAMPLE: DSXF1 LED P1 40K MSP MVOLT THK DDBXD

DSXF1 LED								
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Options	Finish (required)
DSXF1 LED	P1 P2	30K 3000K 40K 4000K 50K 5000K	MSP Narrow spot MSP Medium spot MFL Medium flood FL Flood WFL Wide flood WFR Wide flood, rectangular HMF Horizontal flood	MVOLT 120-277V HVOLT 347-480V 208 208V 240 240V 277 277V 347 347V	Shipped included THK Knuckle with 1/2" NPS threaded pipe Shipped separately DSXF1 LTS Terrain slipfitter (2-3/8"OD) THK required) FTS-15A Tenon Slipfitter (2-3/8" to 3-1/8"O.D. tenon. FBCQ required)	Shipped installed PE Photocontrol, button style * PER Photocontrol, external threaded adjustable * SF Single fusing (120, 277, 347V) ** DF Double fuse (208, 240V DMG 0-10V dimming driver (no controls) Shipped separately UBV Upper/bottom visor (universal) FV Full visor VG Vandal guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White

Accessories

DSXF1 LTS DDBXD Slipfitter for 2-3/8" to 3-1/8" OD tenon, finish to match fixture (specify finish).
HHKR DDBXD # Field-installed, 1-1/4" OD tenon (specify finish).
FTF DDBXD # Single pole bracket, 2-3/8" OD tenon (specify finish).
DSXF1 LBR DDBXD U Upper/bottom visor accessory (specify finish).
DSXF1 FV DDBXD U Full visor accessory (specify finish).
DSXF1 VG U Vandal guard accessory.

For more mounting options, visit our Terminology accessories pages.

Stock configurations are offered for shorter lead times:

Stock Part Number	Description
DSXF1 LED P1 30K MFL MVOLT THK DDBXD	DSXF1 LED P1 30K
DSXF1 LED P1 40K MFL MVOLT THK DDBXD	DSXF1 LED P1 40K
DSXF1 LED P2 30K MFL MVOLT THK DDBXD	DSXF1 LED P2 30K
DSXF1 LED P2 40K MFL MVOLT THK DDBXD	DSXF1 LED P2 40K

NOTES
1. MVOLT driver operates on the voltage from 120-277V. Specify voltage when ordering with fusing. DF, DFL or photo control (PC, PER).
2. Also available as accessories, see Accessories information tab below.
3. Rated DSC maximum ambient for performance package P3. Specify PEIL for use in ambient temperatures up to 50°C.
4. Photocontrol (PC, PER) requires 120, 208, 240, 277 or 347 voltage option.
5. Must specify 120, 277 or 347 voltage option.
6. Must specify 208 or 240 voltage option.

LITHONIA LIGHTING
One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.9041 • www.lithonia.com
© 2012-2016 Acuity Brands Lighting, Inc. All rights reserved.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may vary due to the application, operation and environment. Actual wattage may differ by +/- 5% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Drive Current (mA)	Color Temp	40K (4000K) Minimum			50K (5000K) Minimum		
				Delivered Lumens	LPW	TM-21 L70 (Hours)	Delivered Lumens	LPW	TM-21 L70 (Hours)
P1	23W	350	MSP	2,727	118	>100,000	2,675	116	>100,000
			MSP	2,727	118	>100,000	2,675	116	>100,000
			MFL	2,744	119	>100,000	2,691	117	>100,000
			FL	2,744	119	>100,000	2,691	117	>100,000
			WFL	2,744	119	>100,000	2,691	117	>100,000
			WFR	2,744	119	>100,000	2,691	117	>100,000
			HMF	2,744	119	>100,000	2,691	117	>100,000
P2	45W	530	MSP	5,178	115	>100,000	5,078	113	>100,000
			MSP	5,178	115	>100,000	5,078	113	>100,000
			MFL	5,208	116	>100,000	5,107	113	>100,000
			FL	5,208	116	>100,000	5,107	113	>100,000
			WFL	5,208	116	>100,000	5,107	113	>100,000
			WFR	5,208	116	>100,000	5,107	113	>100,000
			HMF	5,208	116	>100,000	5,107	113	>100,000

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

°C	°F
0°C	32°F
10°C	50°F
25°C	68°F
30°C	86°F
40°C	104°F

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for DSXF1 LED P1 operated at 350mA per IESNA LM-80-08 and 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate L57, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For values between those shown, interpolate.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.97	0.94	0.91

Electrical Load

Current (A)					
Performance Package	System Watts	120	208	240	277	347	480
P1	23W	0.19	0.1	0.09	0.08	0.07	-
P2	45W	0.37	0.21	0.19	0.15	0.13	-

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Flood Size 1 homepage.

Isocandela plots for the DSXF1 LED P3 40K.

LITHONIA LIGHTING
One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.9041 • www.lithonia.com
© 2012-2016 Acuity Brands Lighting, Inc. All rights reserved.
DSXF1 LED
Rev. 11/14/16

Mounting, Options and Accessories

THK - Knuckle with 1/2" NPS threaded pipe
YKA2 - Yoke with 10-yard 4-x-6 OD cast 8-x-2 OD cast
IS - Integral slipfitter No. 2 3/8" O.D. tenon No. 3 3/8" O.D. tenon
UBV - Upper/bottom visor W-x- 5.8"D (147mm) No. 4 7/8" O.D. tenon No. 2" D (mm)
FV - Full visor W-x-5.8"D (147mm) No. 4 7/8" O.D. tenon No. 2" D (mm)
VG - Vandal guard W-x-9.5"D (241mm) H-x- 9"(229mm)

FEATURES & SPECIFICATIONS

INTENDED USE
The value and flexibility of the D-Series Size 1 Flood reflects the embedded high performance LED technology. It is ideal for landscape, signage and accent lighting in many commercial and residential applications.

CONSTRUCTION
One-piece aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants using a tempered glass lensIP66. Low EPA (0.6 ft²) fits narrowest-end loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish which provides excellent resistance to corrosion and weathering. A 3-stage, 5-step pre-treatment process ensures a minimum 5-mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS
A variety of precision-molded, wide-spot-indistilled specular reflectors are engineered for superior application spacing and uniformity. Reflectors are IESNA Type 1 distributions (MSP, MFL, FL, WFL, WFR, HMF). Reflectors are available in 2 lumen packages (P1, P2) in 3 color temperatures (30K, 40K, 50K) minimum initial delivered lumens.

ELECTRICAL
Light engine(s) consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life (100,000 hrs. L85). Single-engine unit uses a Class 2 electronic driver; dual-engine unit uses a Class 1 electronic driver. Both drivers have a power factor of ≥90%. Total harmonic distortion is <20%. Input voltage is 120-277V (50/60Hz). Surge protection meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Included universal mounting knuckle with 1/2 NPS threaded pipe, tenon slipfitter, or integral slipfitter. Hardware quick and easy installation in a variety of mounting preference. The secure connection enables the D-Series Size 1 to withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at: www.lithonia.com/support/commercialwarranties.pdf

Note: Actual performance may differ as a result of end user environment and application. All values are design or typical values when measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

LITHONIA LIGHTING
One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.9041 • www.lithonia.com
© 2012-2016 Acuity Brands Lighting, Inc. All rights reserved.
DSXF1 LED
Rev. 11/14/16

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 661-4844 Milwaukee (414) 581-1505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information herein "as is" as instrument of service. All rights including copyrights are reserved by McMahon. Recipient agrees to indemnify and hold McMahon harmless from any claims that arise from recipient's modification and/or recipient agrees to the original drawing or data to any project not specifically authorized by McMahon.

DESIGNED	DRAWN
CEH	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
ES801

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:18 AM

GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

B. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER.

1 C. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

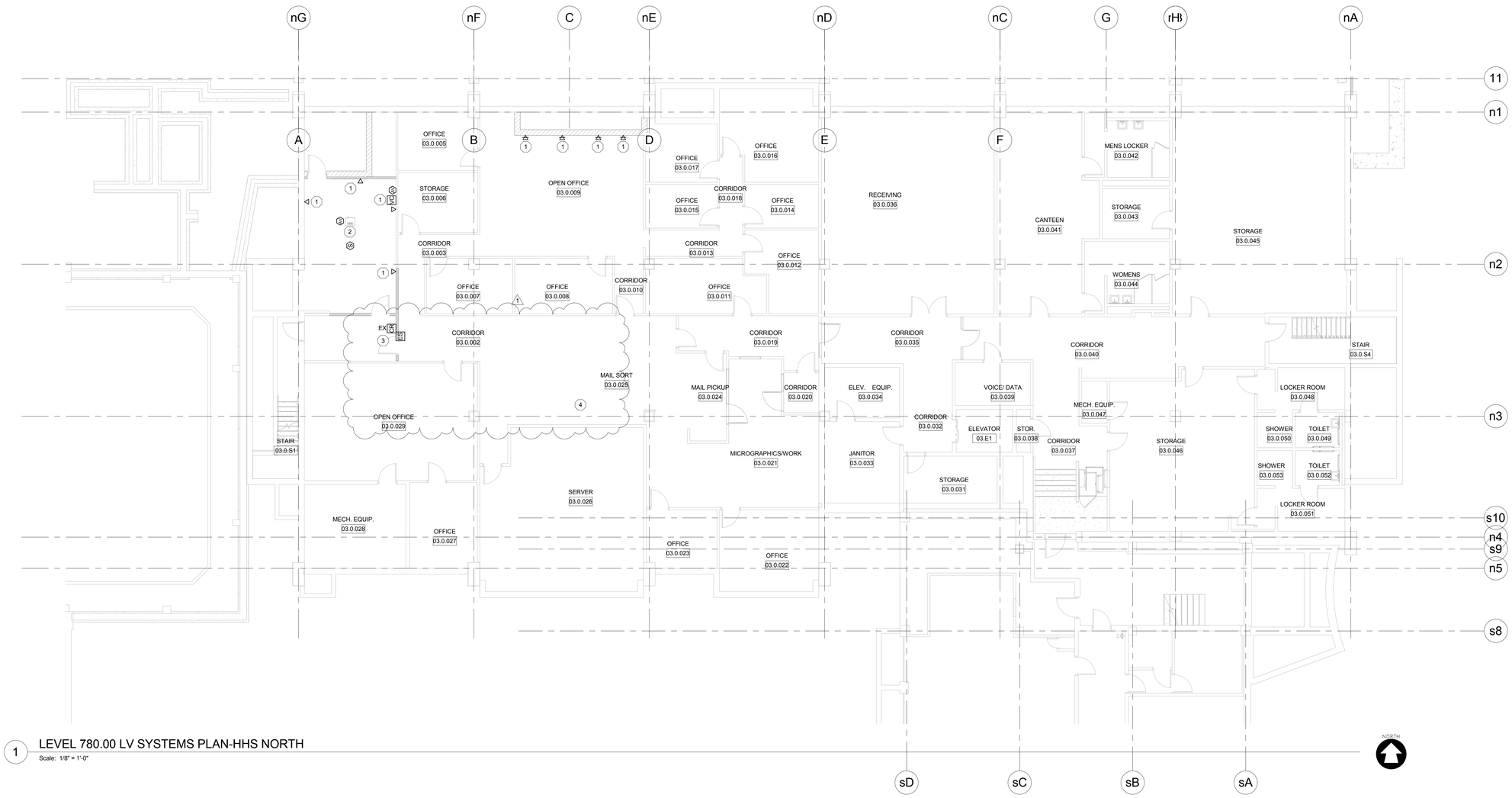
PLAN NOTES: (#)

1. PROVIDE NEW CONDUIT AND BOXES. EXISTING CABLING RELOCATED FROM PREVIOUS LOCATIONS. SEE ED229 FOR EXISTING LOCATIONS RELOCATED.

2. NEW LOCATION FOR RELOCATED ITEMS FROM ED229.

3. RELOCATE AND REUSE EXISTING CARD READER. NEW ELECTRIC STRIKE PROVIDED BY DOOR HARDWARE CONTRACTOR.

1 4. PROVIDE DOOR RELEASE FOR DOOR 3.1.205B. SEE SHEET EY232.



1 LEVEL 780.00 LV SYSTEMS PLAN-HHS NORTH

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

McMahon provides this drawing and design solely for use on, and in connection with, the project as instrument of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the following: (1) indemnify and hold McMahon harmless in the event of any changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

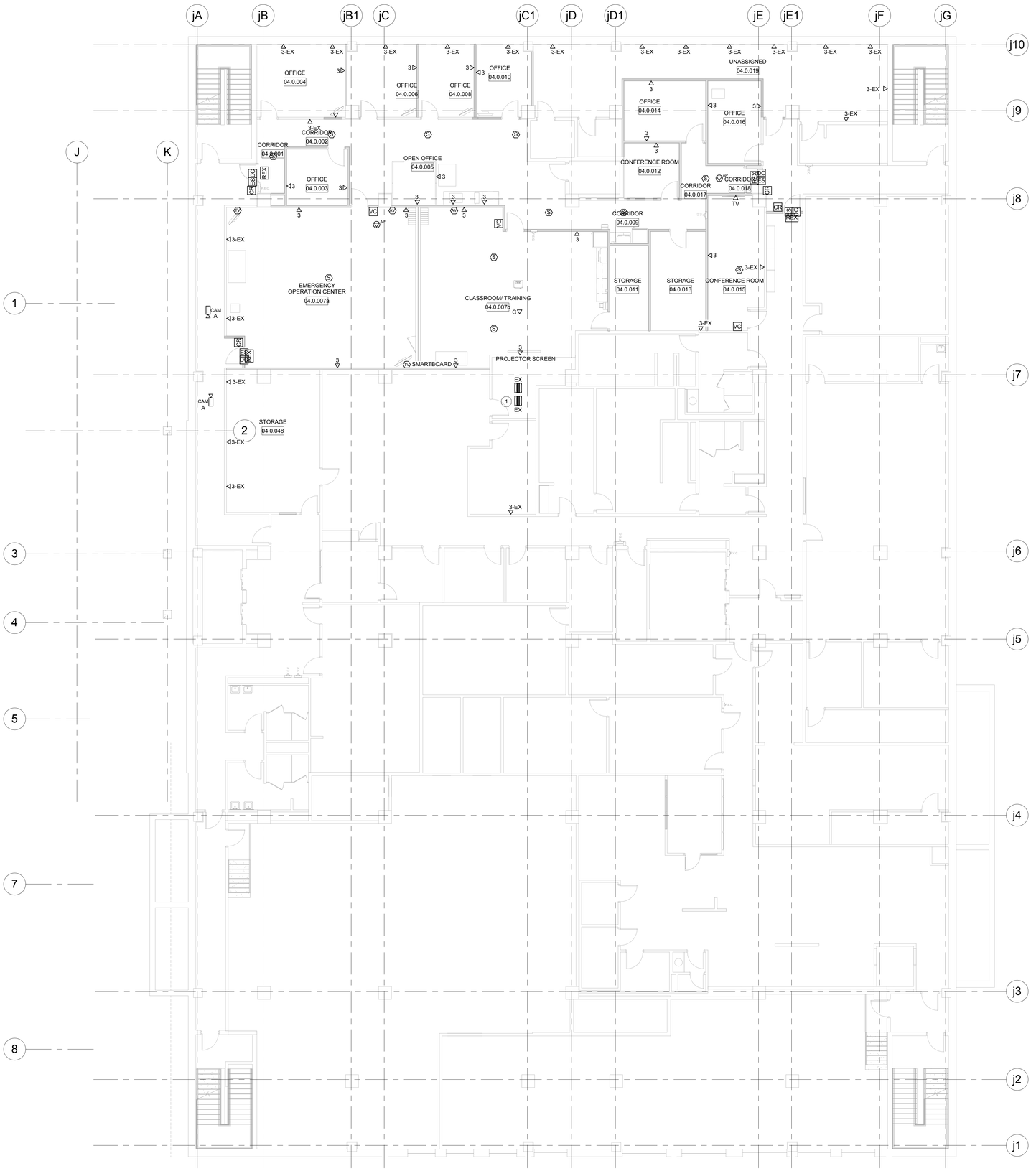
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 LV SYSTEMS PLAN-HHS NORTH

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
EY229

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:23 AM



1 LEVEL 780.00 LV SYSTEMS PLAN-JUSTICE CENTER

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

GENERAL NOTES:

A. RELABEL AND REUSE EXISTING CAT 3 AND CAT 6 VOICE AND DATA CABLES COILED AT THE CEILING DURING DEMOLITION FOR ALL NEW LOCATIONS ON THIS SHEET. PROVIDE NEW JACKS AND FACEPLATES.

B. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

C. RELOCATE EXISTING A/V SYSTEM CABLING AND SPEAKERS (3) TO NEW LOCATION. A/V LOCATIONS CONTAIN HDMI, VGA, AUDIO AND COMPONENT VIDEO CABLES. EXTEND EXISTING COAX TO NEW LOCATIONS.

D. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

1 E. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER.

F. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

1. EXISTING TELECOMUNICATIONS IDF ROOM. EXISTING RACK HAS ROOM FOR ADDITIONAL PATCH PANELS IF NEEDED.

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53719 Duluth, MN 55802
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information herein "AS IS" as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or medium as a result of unauthorized use.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 LV SYSTEMS PLAN-JUSTICE CENTER

DESIGNED	DRAWN
DVM	MAL

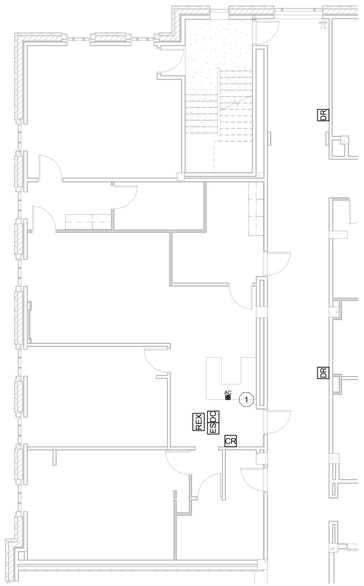
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY230

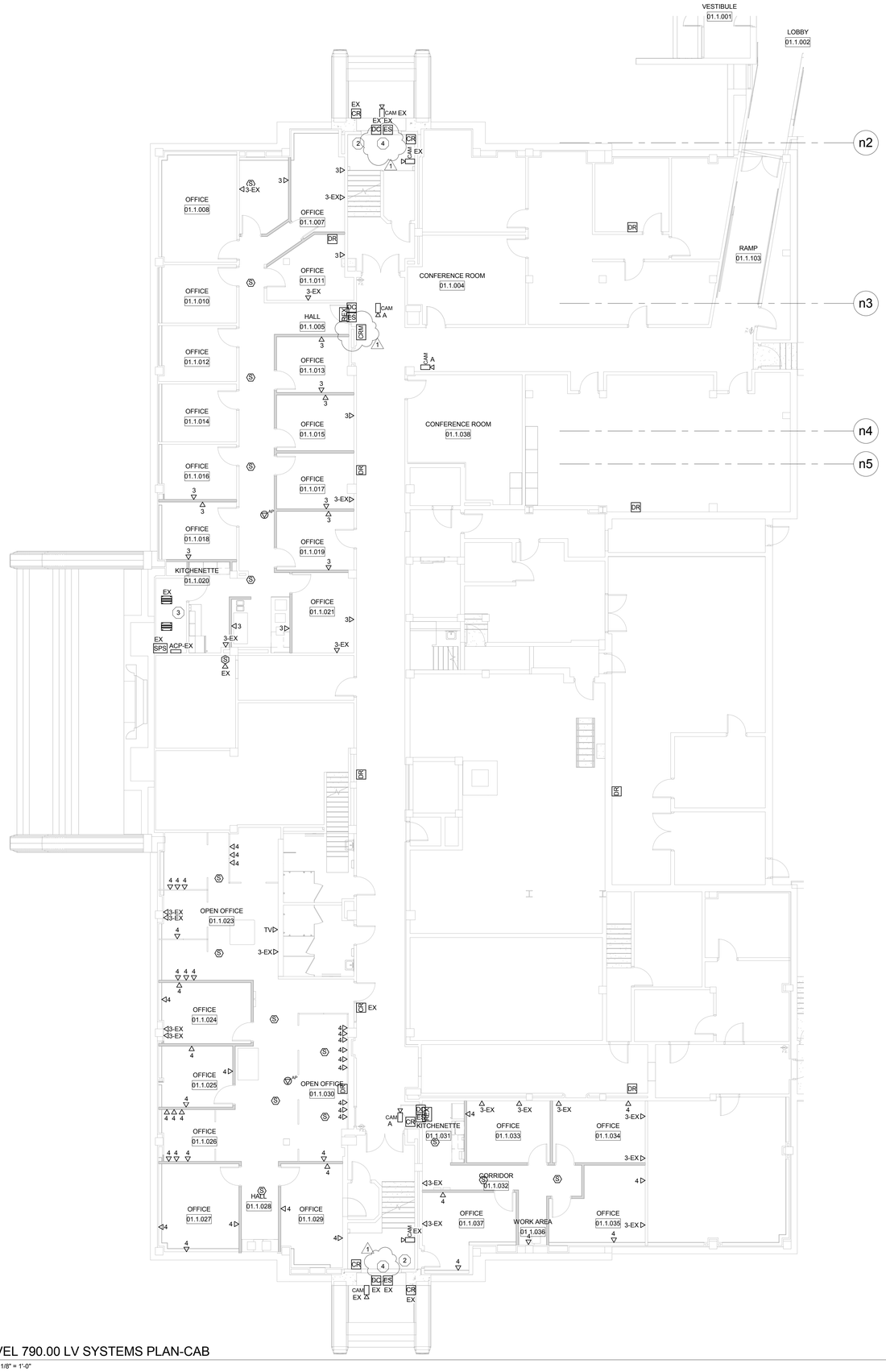
C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:28 AM



1 LEVEL 820.00 LV SYSTEMS PLAN-CAB

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



2 LEVEL 790.00 LV SYSTEMS PLAN-CAB

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

NORTH

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

B. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

C. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER.

D. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

1. PROVIDE WIRELESS DOOR RELEASE. FOR CARD ACCESS DOOR
2. PROVIDE WIRING FOR LOCAL ALARM PROVIDED BY SECTION 08 71 00.
3. EXISTING TELECOMMUNICATIONS IDF ROOM. PROVIDE NEW RACK IN FRONT OF EXISTING RACK.
4. DISABLE EXISTING REX - COORDINATE WITH ARCHITECT/GENERAL CONTRACTOR.

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Phone: (608) 241-8484
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design concepts in hard copy or digital form as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless from any damage, liability or cost arising from the recipient's reuse of these drawings or data without prior written authorization by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION

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

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY231

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:30 AM

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

B. WHERE DOORS HAVE BOTH POWER ASSIST AND CARD ACCESS COORDINATE HARDWARE WITH SECURITY SYSTEM.

C. PROVIDE LOW VOLTAGE WIRING FROM POWER ASSIST CONTROLLER TO PUSH PADS AT POWER ASSIST DOORS. SEE POWER PLANS FOR POWER ASSIST DOORS.

D. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

E. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

F. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER.

G. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

1. PROVIDE WIRELESS DOOR RELEASE BUTTONS FOR DOORS 10.1.078B AND 10.1.078C.
2. PROVIDE VIDEO INTERCOM STATION.
3. PROVIDE WIRING FOR LOCAL ALARM PROVIDED BY SECTION 08 71 00.
4. DEMO EXISTING REQUEST TO EXIT.
5. EXISTING TELECOMMUNICATIONS IDF ROOM. PROVIDE NEW RACK NEXT TO EXISTING RACK.
6. PROVIDE CABLING ONLY FOR THIS CAMERA LOCATION. PROVIDE UNIT PRICING FOR CAMERAS IN BID.
7. COORDINATE INSTALLATION OF CARD READER WITH ELEVATOR CONTRACTOR.
8. DISABLE EXISTING REX - COORDINATE WITH ARCHITECT/GENERAL CONTRACTOR.
9. NEW DOOR. INSTALL NEW STRIKE, DOOR CONTACT AND REQUEST TO EXIT. REUSE EXISTING CARD READER.

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Rhinelander, WI 54501
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and the information hereon as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the indemnify and hold McMahon harmless from any reuse of changes made to the original drawing or data without prior written permission from McMahon.

NO.	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY232

1 LEVEL 790.00 LV SYSTEMS PLAN-HHS NORTH/OCAC SOUTH
Scale: 1/8" = 1'-0"

PLAN KEY

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:32 AM

GENERAL NOTES:

A. WHERE DOORS HAVE BOTH POWER ASSIST AND CARD ACCESS COORDINATE HARDWARE WITH SECURITY SYSTEM.

B. PROVIDE LOW VOLTAGE WIRING FROM POWER ASSIST CONTROLLER TO PUSH PADS AT POWER ASSIST DOORS. SEE ELECTRICAL PLANS FOR POWER ASSIST DOORS.

C. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

D. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

E. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

F. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

1. BUILDING MDF. PROVIDE 2" X 24" BASKET TRAY (MANUFACTURED BY B-LINE, CABLOFIL, MONOSYSTEMS OR APPROVED EQUAL) FROM THIS ROOM TO THE EXISTING BASKET TRAY IN THE CEILING OF THE JUSTICE CENTER GROUND LEVEL. SEE SHEET EY234 FOR EXISTING TRAY AND STUB TO PHONE ROOM LOCATIONS.

2. PROVIDE HEARING LOOP SYSTEM IN THIS AREA. REFER TO DIVISION 27 SPECIFICATIONS AND ALTERNATE BID ITEMS REGARDING THIS SYSTEM.

3. CALL TO ADRC. RELOCATE EXISTING CALL BUTTON LOCATED ON THE EAST WALL OF THE LOBBY AT THE CURRENT ADA ENTRANCE TO THE ADMIN/HHS BUILDINGS. PROVIDE LEM-1DL MASTER STATIONS AT RECEPTION WINDOW IN ROOM 10.1.035 AND THE CENTER RECEPTION WINDOW OF ROOM 10.3.136.

4. CORNELL 4800M TWO WAY COMMUNICATIONS MASTER STATION AND B-5248A POWER SUPPLY. CONNECT CORNELL 4800V CALL STATIONS AT THE 2ND AND 3RD FLOOR ELEVATOR LOBBY LOCATIONS TO THIS MASTER STATION.

5. PROVIDE WIRELESS DOOR RELEASE FOR DOORS 10.1.022.

6. PROVIDE WIRING FOR LOCAL ALARM PROVIDED BY SECTION 08 71 00.

7. POST MOUNT CARD READER ON BOLLARD OUTSIDE OF DOOR.

1 LEVEL 790.00 LV SYSTEMS PLAN-OCAC NORTH

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

PLAN KEY

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

McMahon provides this drawing and design concepts for use as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (a) indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in electronic media; (b) not reuse or modify

NO	DATE	REVISION
1	3/31/17	Addendum #1

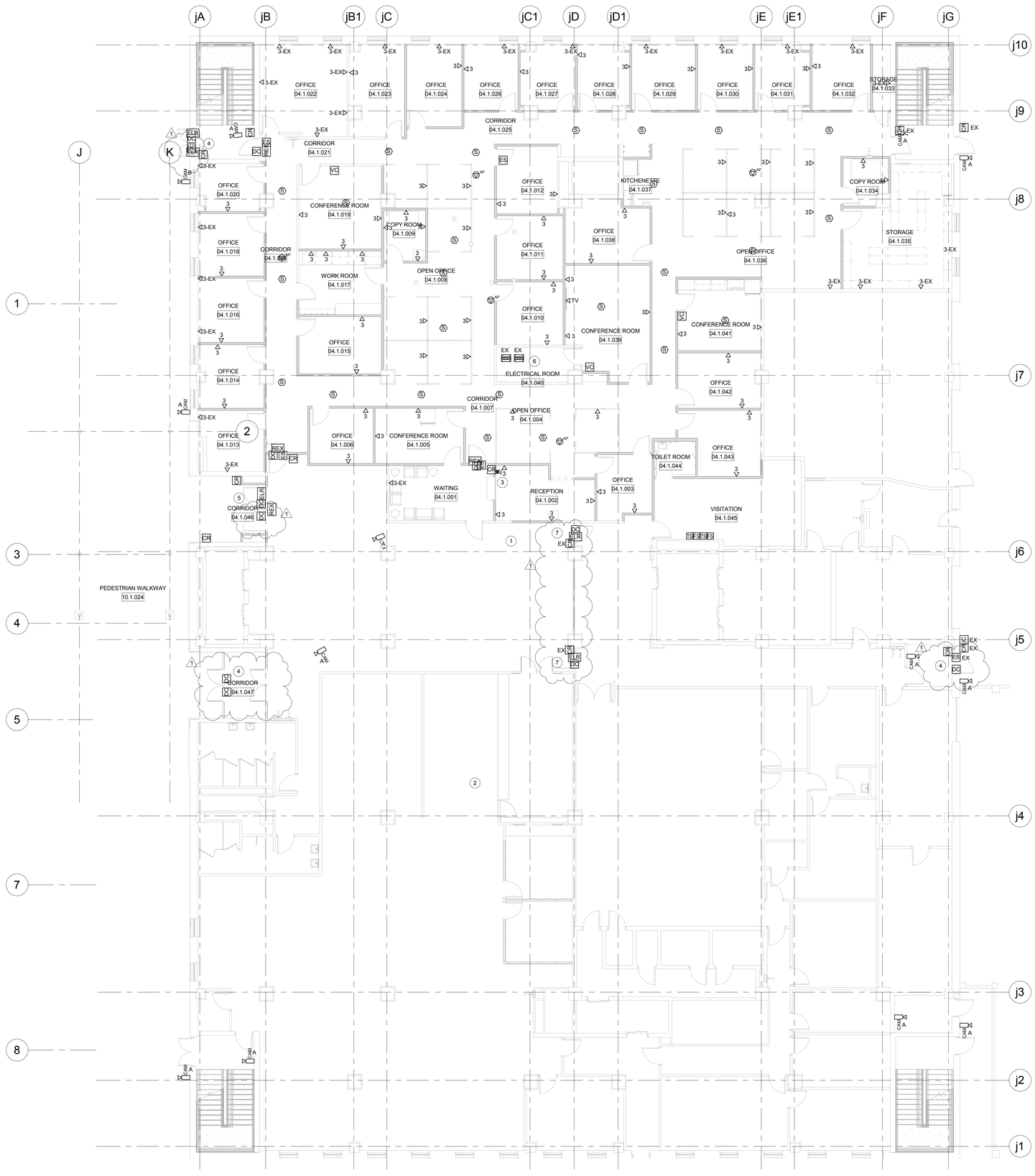
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 LV SYSTEMS PLAN-OCAC NORTH

DESIGNED	DRAWN
DVM	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. EY233

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:33 AM



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

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

B. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

C. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

D. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

1. LOCATION OF EXISTING CABLE/BASKET TRAY ABOVE CEILING.

2. LOCATION OF EXISTING CONDUIT STUB FROM LOWER LEVEL PHONE ROOM. SPACE IS EXISTING FOR CABLES RUNNING TO NEW BUILDING MDF.

3. PROVIDE WIRELESS DOOR RELEASE PUSHBUTTON FOR DOOR 04.1.001B

4. PROVIDE WIRING FOR LOCAL ALARM PROVIDED BY SECTION 08 71 00.

5. RELOCATE ACCESS CONTROL COMPONENTS FROM EXISTING JUSTICE CENTER ENTRANCE.

6. EXISTING TELECOMMUNICATIONS IDF ROOM.

7. EXISTING LOCAL ALARM. COORDINATE WIRING WITH DOOR HARDWARE CONTRACTOR.

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53719 Milwaukee, WI 53202
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or changes made to it by anyone other than McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 LV SYSTEMS PLAN-JUSTICE CENTER

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY234

PLAN KEY

NORTH

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:36 AM

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

B. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

C. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

D. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER.

E. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

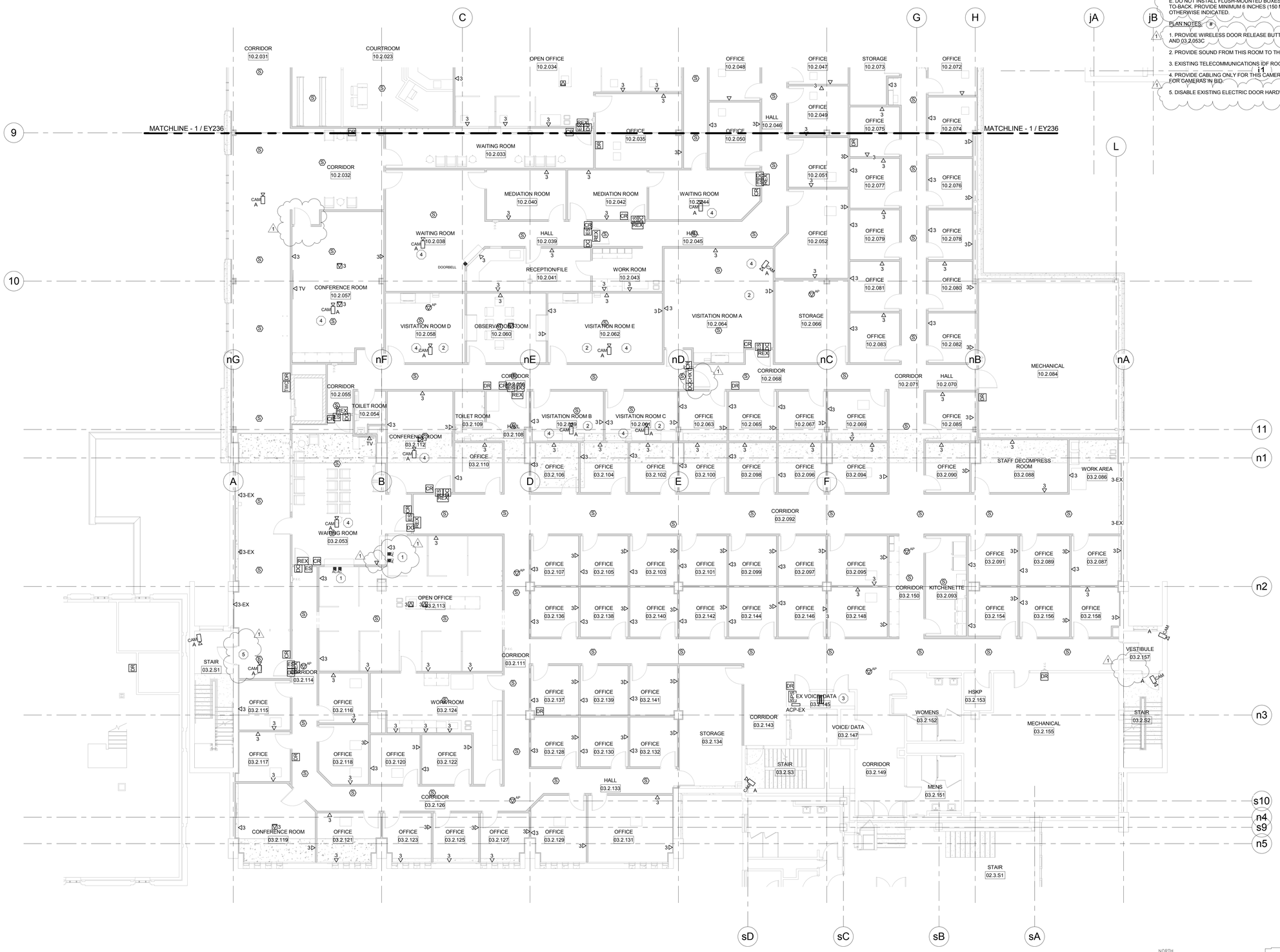
1. PROVIDE WIRELESS DOOR RELEASE BUTTON FOR DOORS 03.2.053A, 03.2.053B AND 03.2.053C

2. PROVIDE SOUND FROM THIS ROOM TO THE OBSERVATION ROOM.

3. EXISTING TELECOMMUNICATIONS IDF ROOM.

4. PROVIDE CABLING ONLY FOR THIS CAMERA LOCATION. PROVIDE UNIT PRICING FOR CAMERAS IN BID.

5. DISABLE EXISTING ELECTRIC DOOR HARDWARE.



1 LEVEL 805.00 LV SYSTEMS PLAN-HHS NORTH/OCAC SOUTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 (608) 241-8371 Milwaukee, WI 53223 (414) 357-0505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all electronic files as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the indemnify and hold McMahon harmless from all claims, injuries, damages, losses and expenses including attorney's fees arising out of or resulting from changes made to the original drawing or data by any party other than McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 LV SYSTEMS PLAN-HHS NORTH/OCAC SOUTH

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY235

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:38 AM

GENERAL NOTES:

A. PROVIDE LOW VOLTAGE WIRING FROM POWER ASSIST CONTROLLER TO PUSH PADS AT POWER ASSIST DOORS. SEE ELECTRICAL PLANS FOR POWER ASSIST DOORS.

B. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

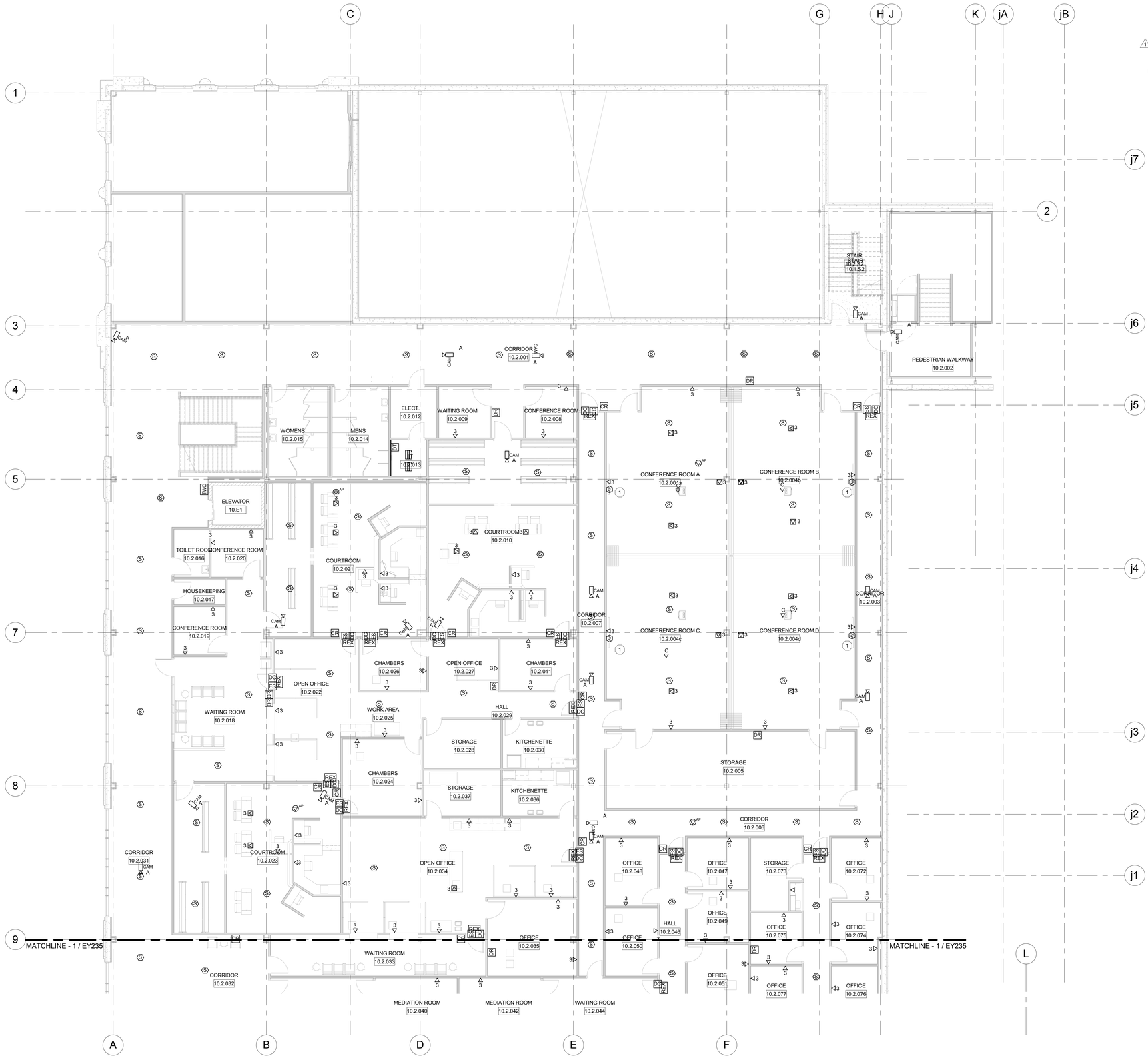
C. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

1 D. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

E. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

1. A/V LOCATIONS COORDINATE WITH PROJECTORS LOCATED IN CONFERENCE ROOMS AND CONTAIN HDMI, VGA, AUDIO AND COMPONENT VIDEO CABLES. SOUND IN THIS ROOM IS COORDINATED WITH A/V SYSTEM AND INDEPENDANT OF BUILDING PAGING SYSTEM.



1 LEVEL 805.00 LV SYSTEMS PLAN-OCAC NORTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI (608) 241-8511 Milwaukee, WI (414) 727-2055
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and digital data in confidence and with the understanding that it will not be used in whole or in part for any purpose other than for this project, without the written authorization of McMahon. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the above restrictions and agrees to indemnify and hold McMahon harmless from any claim or liability arising from any change made to the original drawing or data without prior written consent of McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
DVM	MAL

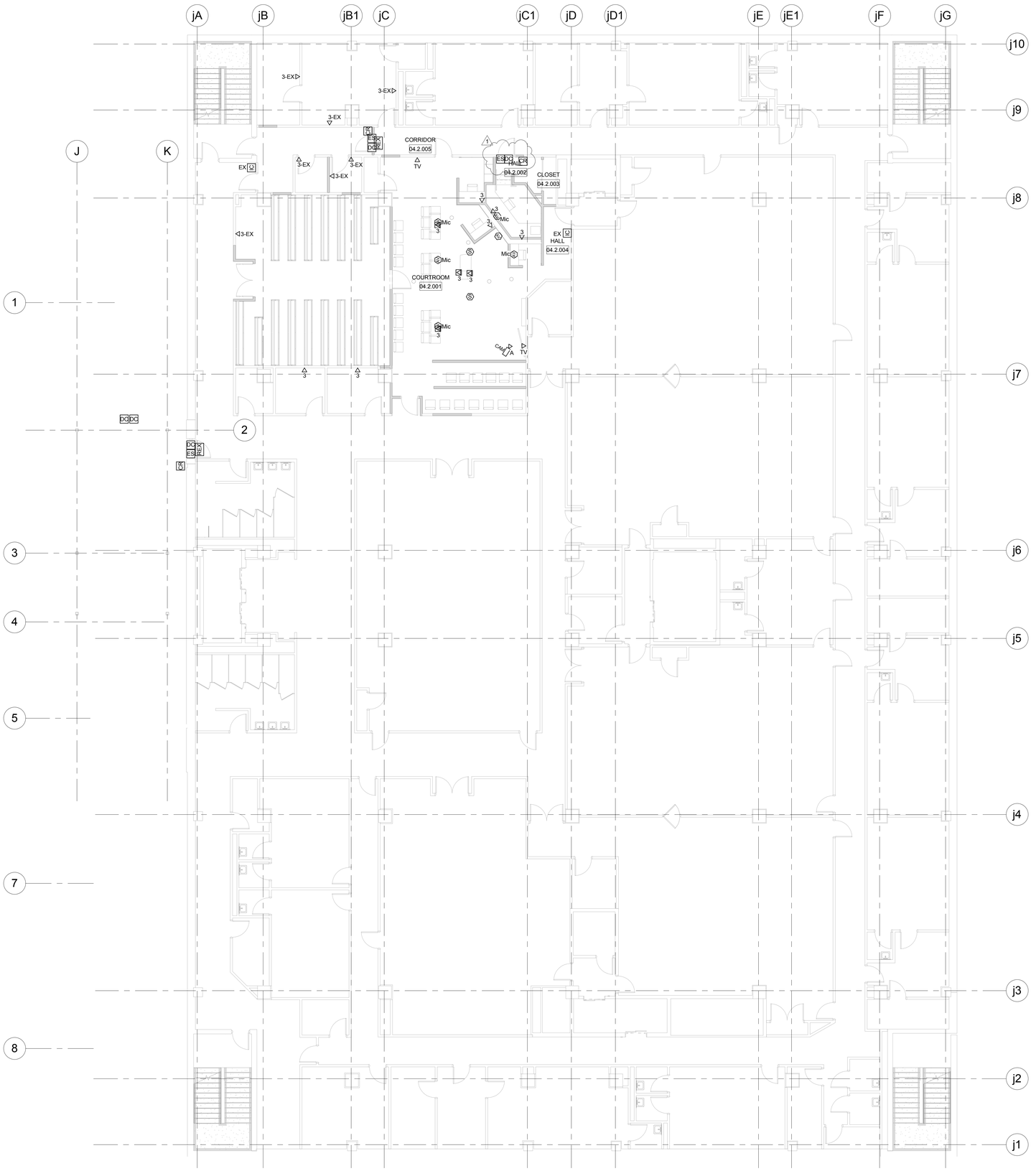
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY236

C:\Revit Projects\15_1108 OCAC_Elec_mainson.rvt

3/30/2017 10:35:39 AM



GENERAL NOTES:

A. RELABEL AND REUSE EXISTING CAT 3 AND CAT 6 VOICE AND DATA CABLES COILED AT THE CEILING DURING DEMOLITION FOR ALL NEW LOCATIONS ON THIS SHEET. PROVIDE NEW JACKS AND FACEPLATES.

B. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

C. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

D. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

1

E. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

F. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

1 LEVEL 805.00 LV SYSTEMS PLAN-JUSTICE CENTER

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

NORTH



PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI Office: (608) 442-5151 Milwaukee, WI Office: (414) 727-1505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and digital data solely for your use as instrument of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless for any damages that may result from use of or changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY237

C:\Revit Projects\16_1108 OCAC_Elec_mairson.rvt

3/30/2017 10:35:41 AM

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

B. WHERE DOORS HAVE BOTH POWER ASSIST AND CARD ACCESS COORDINATE HARDWARE WITH SECURITY SYSTEM.

C. PROVIDE LOW VOLTAGE WIRING FROM POWER ASSIST CONTROLLER TO PUSH PADS AT POWER ASSIST DOORS. SEE ELECTRICAL PLANS FOR POWER ASSIST DOORS.

D. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

E. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

F. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER FOR EQUIPMENT INCLUDING MICROWAVES, REFRIGERATORS, COFFEE MAKERS ETC.

G. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: #

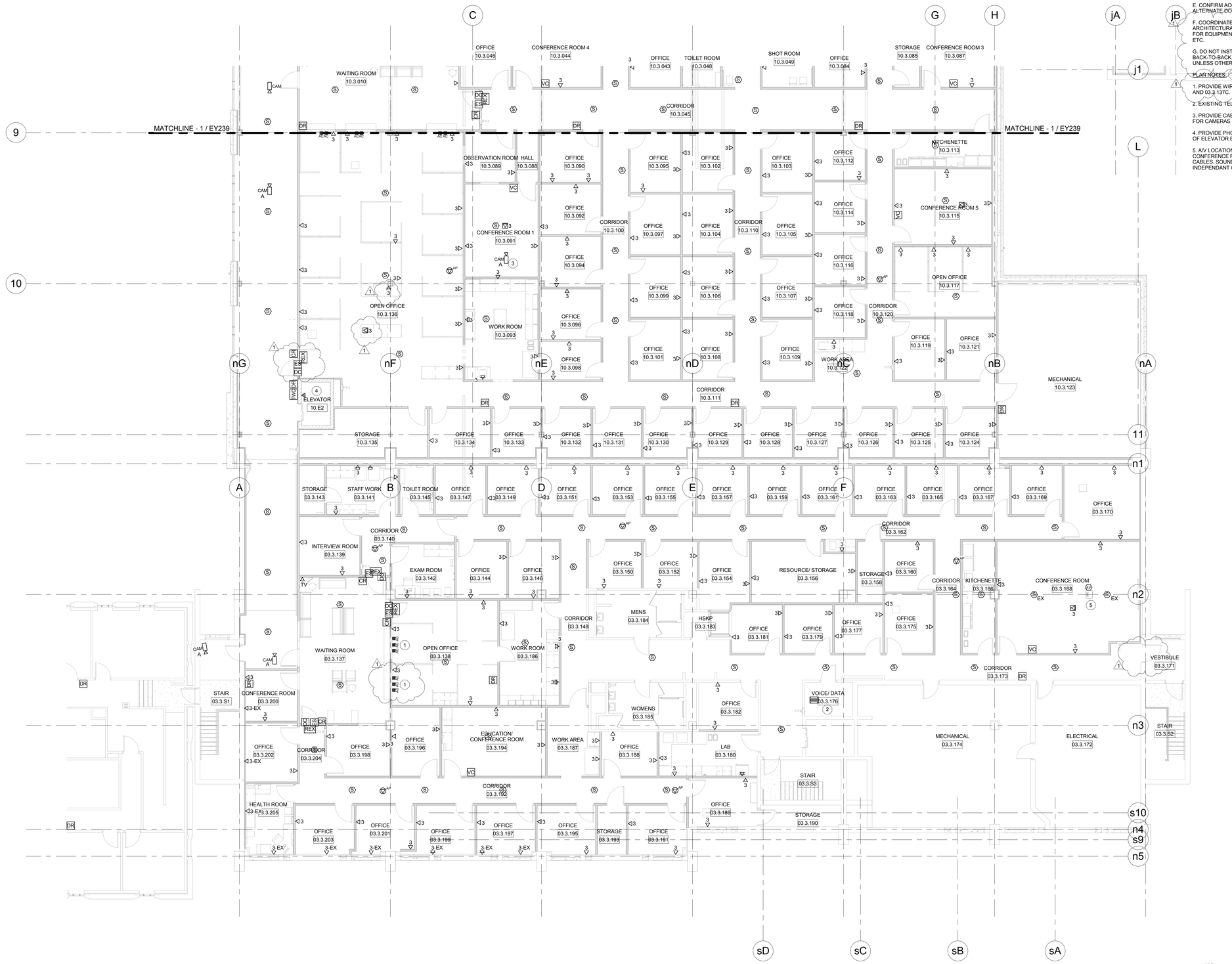
1. PROVIDE WIRELESS DOOR RELEASE BUTTONS FOR DOORS 03.3.138, 03.3.137B AND 03.3.137C.

2. EXISTING TELECOMMUNICATIONS IDF ROOM.

3. PROVIDE CABLING ONLY FOR THIS CAMERA LOCATION. PROVIDE UNIT PRICING FOR CAMERAS IN BID.

4. PROVIDE PHONE LINE TO ELEVATOR EQUIPMENT ROOM. VERIFY LOCATION OF ELEVATOR EQUIPMENT ROOM.

5. A/V LOCATION COORDINATES WITH EXISTING PROJECTOR LOCATED IN CONFERENCE ROOM AND CONTAINS HDMI, VGA, AUDIO AND COMPONENT VIDEO CABLES. SOUND IN THIS ROOM IS COORDINATED WITH A/V SYSTEM AND INDEPENDANT OF BUILDING PAGING SYSTEM.



1 LEVEL 820.00 LV SYSTEMS PLAN-HHS NORTH/OCAC SOUTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8371 Milwaukee (414) 727-9505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design data for use on this project only and not as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: to indemnify and hold McMahon harmless from any reuse of the drawings or data for any purpose changes made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY238

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:47 AM

GENERAL NOTES:

A. WHERE DOORS HAVE BOTH POWER ASSIST AND CARD ACCESS COORDINATE HARDWARE WITH SECURITY SYSTEM.

B. PROVIDE LOW VOLTAGE WIRING FROM POWER ASSIST CONTROLLER TO PUSH PADS AT POWER ASSIST DOORS. SEE ELECTRICAL PLANS FOR POWER ASSIST DOORS.

C. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

D. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

E. COORDINATE DEVICE PLACEMENT AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATION DRAWINGS FOR DEVICES LOCATED ABOVE COUNTER.

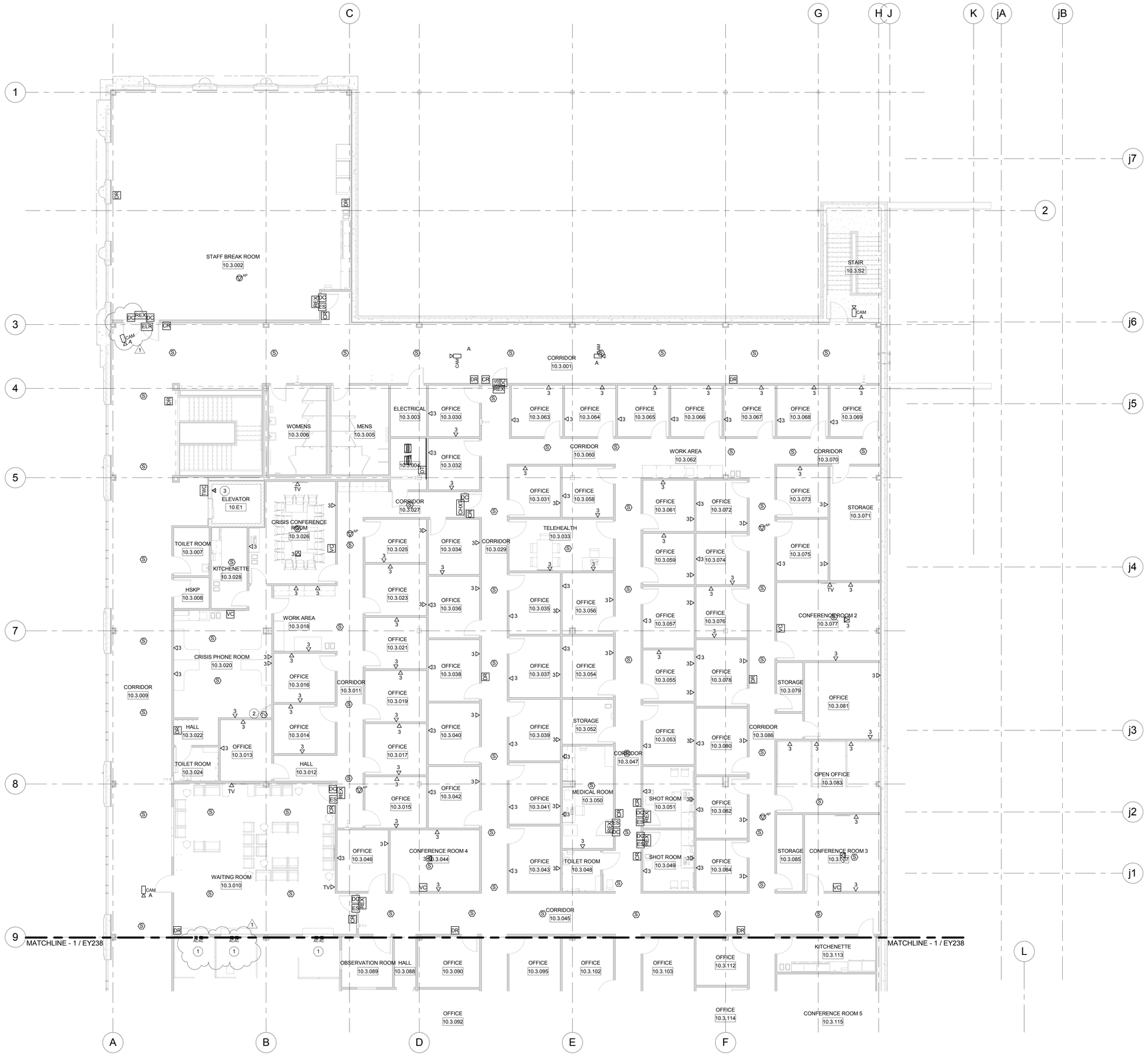
F. DO NOT INSTALL FLUSH-MOUNTED BOXES ON OPPOSITE SIDES OF WALLS BACK-TO-BACK. PROVIDE MINIMUM 6 INCHES (150 MM) HORIZONTAL SEPARATION UNLESS OTHERWISE INDICATED.

PLAN NOTES: (#)

1. PROVIDE WIRELESS DOOR RELEASE BUTTON FOR DOORS 10.3.010B AND 10.3.010C.

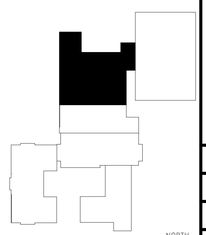
2. PROVIDE RG6 COAXIAL CABLE FOR TV LOCATION.

3. PROVIDE PHONE LINE TO ELEVATOR EQUIPMENT ROOM. VERIFY LOCATION OF ELEVATOR EQUIPMENT ROOM.



1 LEVEL 820.00 LV SYSTEMS PLAN-OCAC NORTH

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



PLAN KEY

NORTH

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Phone: (608) 241-5555
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and digital data in its capacity as instrument of service. All rights including copyrights are retained by McMahon. The recipient and/or recipient agrees to the limitations contained herein and to indemnify and hold McMahon harmless from any reuse of or changes made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY239

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

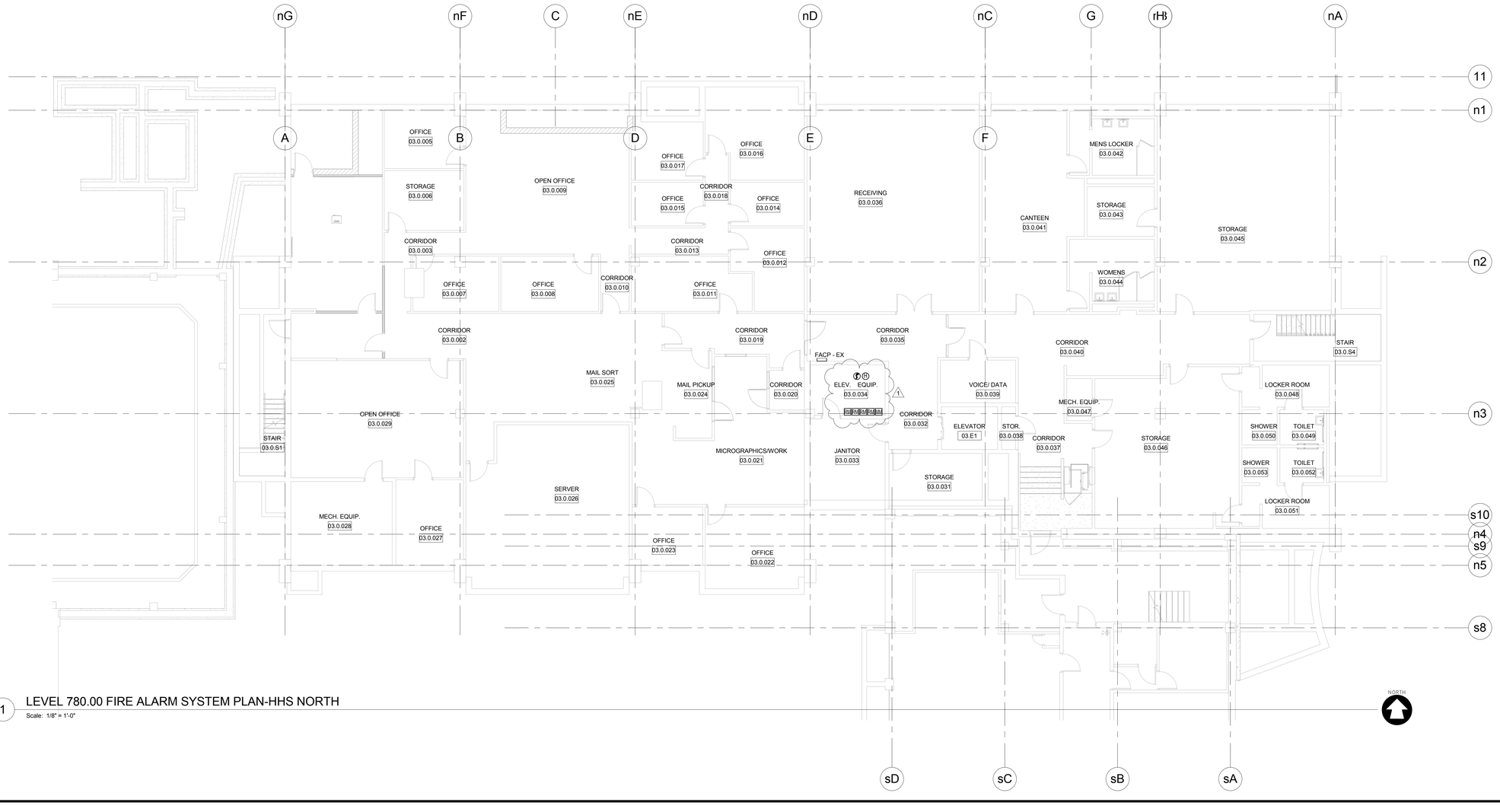
3/30/2017 11:17:14 AM

GENERAL NOTES:

A. FIRE ALARM DEVICES ARE NOTIFIER SYSTEM DEVICES.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE

C. FIRE ALARM DEVICES SHOWN ARE FOR BIDDING PURPOSES ONLY. INSTALLING CONTRACTOR SHALL ENSURE FIRE ALARM DESIGN MEETS STATE, LOCAL, AND NATIONAL CODES.



1 LEVEL 780.00 FIRE ALARM SYSTEM PLAN-HHS NORTH

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

NORTH

PLAN KEY

NORTH

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

McMahon provides this drawing and all the contents thereof as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the terms of this boilerplate and to indemnify and hold McMahon harmless for reuse of or changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 FIRE ALARM SYSTEM PLAN-HHS NORTH

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA229

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:49 AM

GENERAL NOTES:

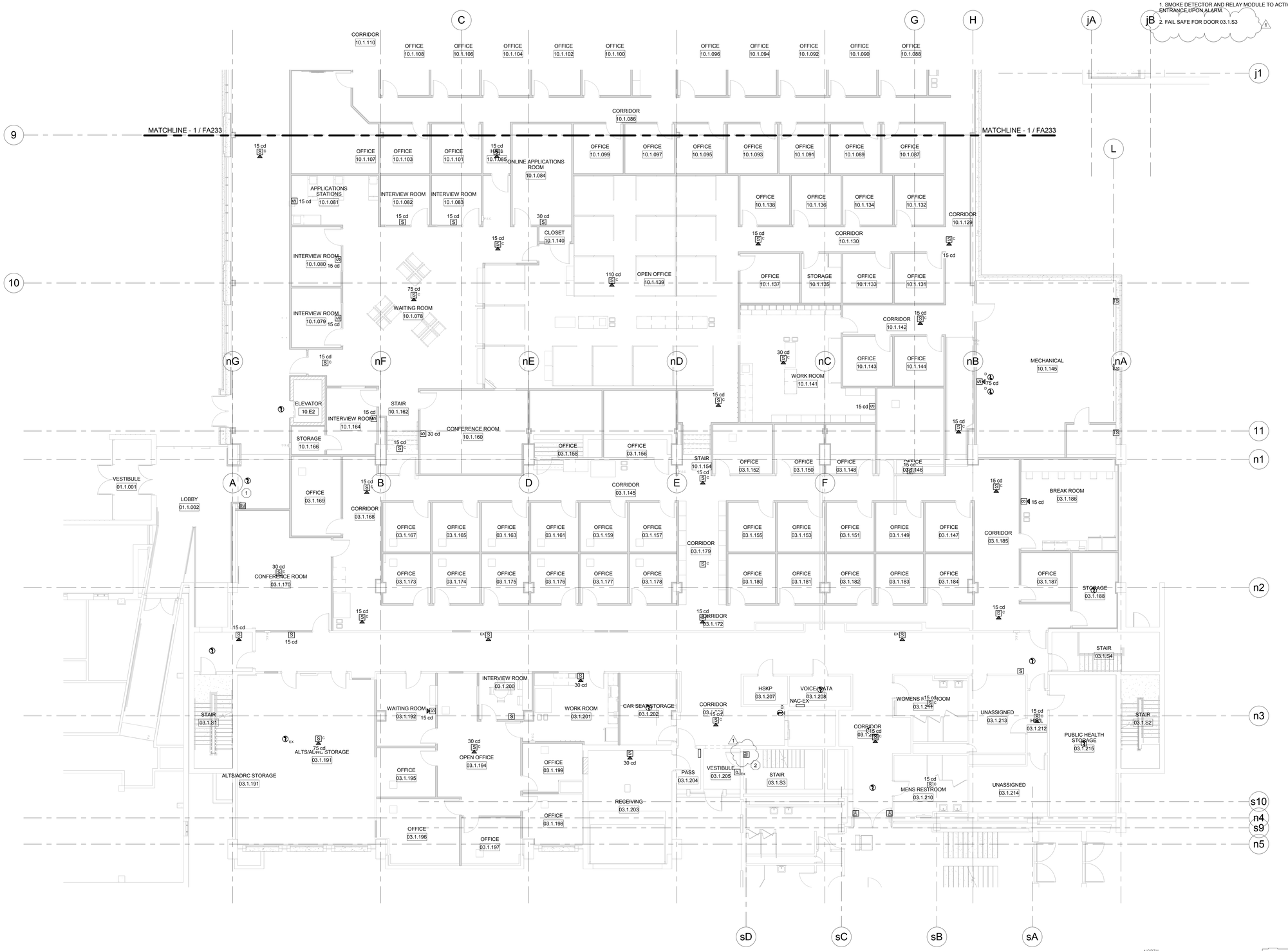
A. EXISTING FIRE ALARM DEVICES IN THIS AREA ARE ON THE NOTIFIER SYSTEM.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

C. FIRE ALARM DEVICES SHOWN ARE FOR BIDDING PURPOSES ONLY. INSTALLING CONTRACTOR SHALL ENSURE FIRE ALARM DESIGN MEETS STATE, LOCAL, AND NATIONAL CODES.

PLAN NOTES: (#)

1. SMOKE DETECTOR AND RELAY MODULE TO ACTIVATE FIRE GATE AT LOBBY ENTRANCE UPON ALARM.
2. FAIL SAFE FOR DOOR 03.1.S3



1 LEVEL 790.00 FIRE ALARM SYSTEM PLAN-HHS NORTH/OCAC SOUTH

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

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 (608) 241-8371 Milwaukee, WI 53225 (414) 421-3055
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and design concepts for the use of the recipient as instrument of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the indemnify and hold McMahon harmless from any claims for changes made to the original drawing or data without prior written authorization by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA232

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 11:18:39 AM

GENERAL NOTES:

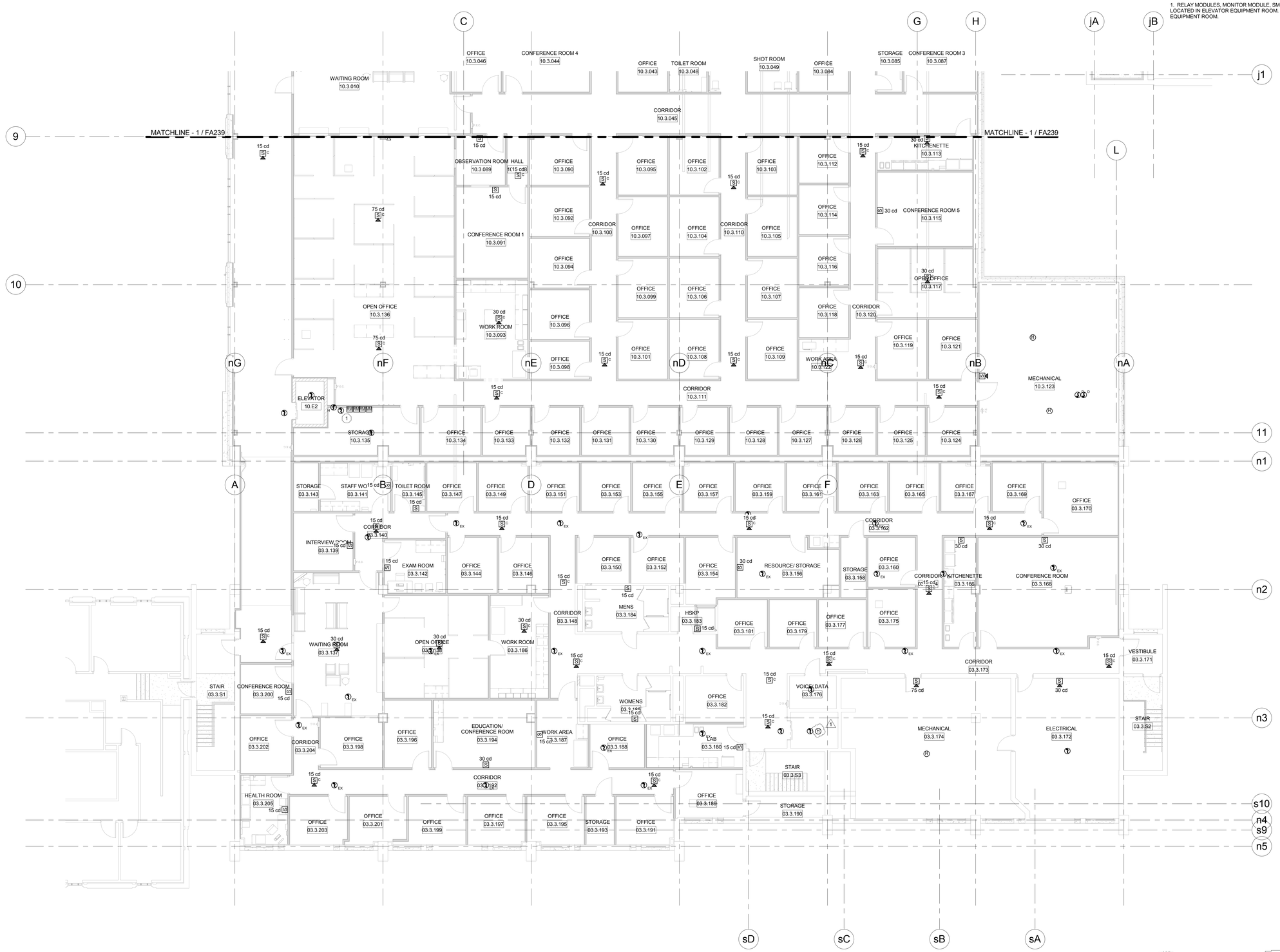
A. EXISTING FIRE ALARM DEVICES IN THIS AREA ARE ON THE NOTIFIER SYSTEM.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

C. FIRE ALARM DEVICES SHOWN ARE FOR BIDDING PURPOSES ONLY. INSTALLING CONTRACTOR SHALL ENSURE FIRE ALARM DESIGN MEETS STATE, LOCAL, AND NATIONAL CODES.

PLAN NOTES:

1. RELAY MODULES, MONITOR MODULE, SMOKE DETECTOR AND HEAT DETECTOR LOCATED IN ELEVATOR EQUIPMENT ROOM. VERIFY LOCATION OF ELEVATOR EQUIPMENT ROOM.



1 LEVEL 820.00 FIRE ALARM SYSTEM PLAN-HHS NORTH/OCAC SOUTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Phone: (608) 241-8484
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and digital data solely for use as instruments of service. All rights including copyrights are reserved. The recipient and/or recipient agrees to the indemnify and hold McMahon harmless from any reuse of changes made to the original drawing or data without prior written permission from McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA238

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

3/30/2017 10:35:51 AM

GENERAL NOTES:

A. EXISTING FIRE ALARM DEVICES IN THIS AREA ARE ON THE NOTIFIER SYSTEM.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

C. FIRE ALARM DEVICES SHOWN ARE FOR BIDDING PURPOSES ONLY. INSTALLING CONTRACTOR SHALL ENSURE FIRE ALARM DESIGN MEETS STATE, LOCAL, AND NATIONAL CODES.

PLAN NOTES: (#)

1. SMOKE DETECTOR AND RELAY MODULE TO ACTIVATE FIRE GATE AT TOP OF STAIRS UPON ALARM.

2. RELAY MODULES, MONITOR MODULE, SMOKE DETECTOR AND HEAT DETECTOR LOCATED IN ELEVATOR EQUIPMENT ROOM. VERIFY LOCATION OF ELEVATOR EQUIPMENT ROOM.



1 LEVEL 820.00 FIRE ALARM SYSTEM PLAN-OCAC NORTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI Chicago, IL Rockford, IL Kansas City, MO
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and digital data solely for the use as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the limitations noted herein and to indemnify and hold McMahon harmless from any reuse of or changes made to the original drawing or data without prior written approval by McMahon.

NO	DATE	REVISION
1	3/31/17	Addendum #1

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

DESIGNED	DRAWN
DVM	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA239

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt