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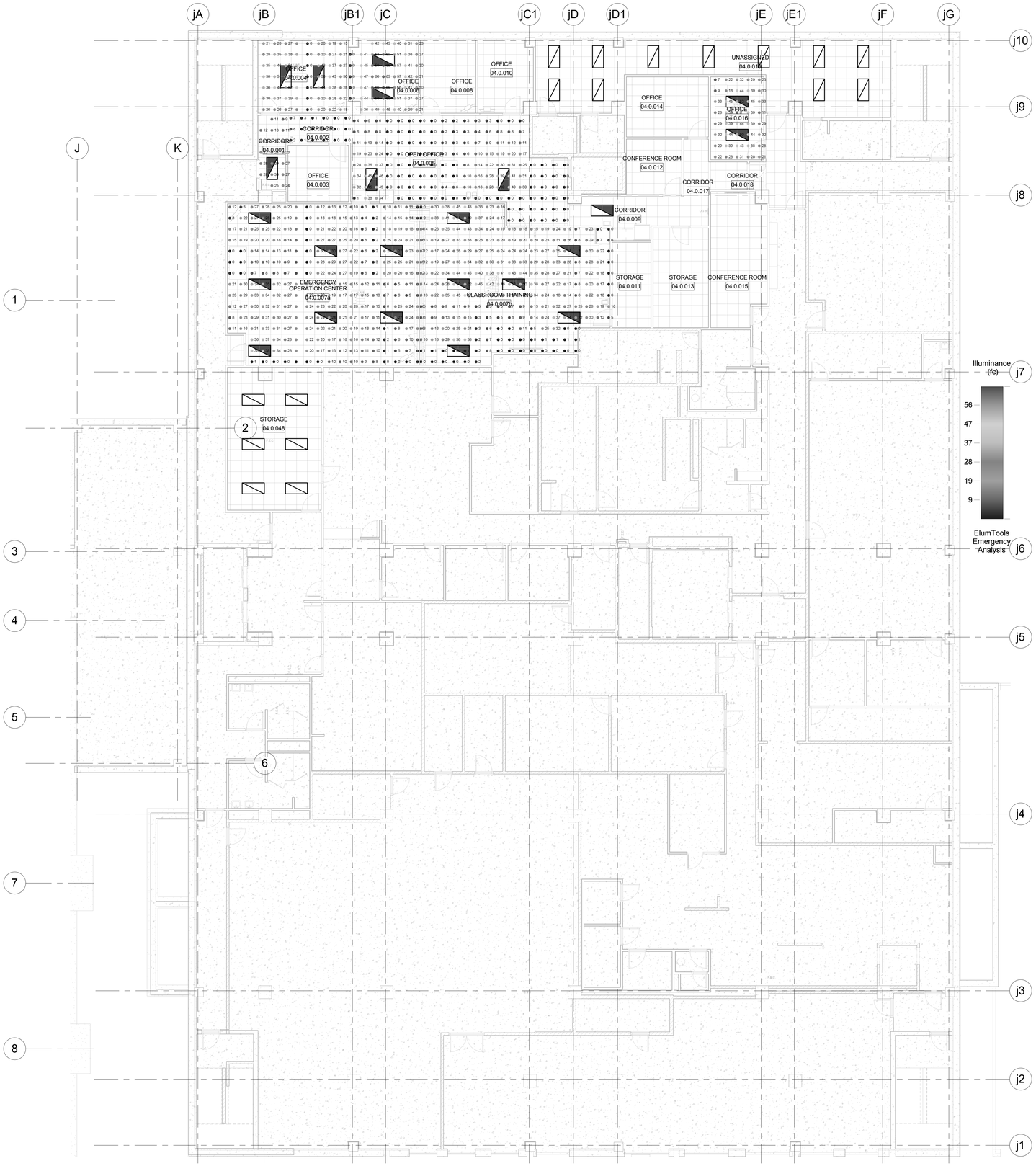

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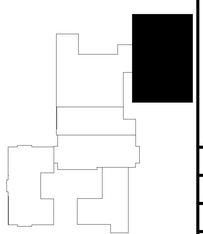

PLAN KEY

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
McMAHON OF MICHIGAN, INC. MI ARC 1305
Tel: (920) 751-4200 Fax: (920) 751-4284
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ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 EM LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. EM230

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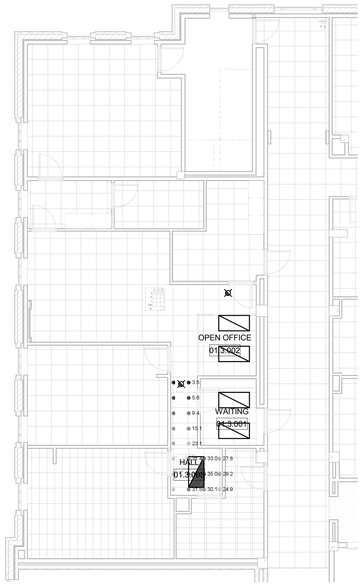

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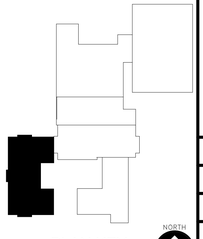

PLAN KEY

NORTH

McMAHON
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OUTAGAMIE COUNTY ADMINISTRATION CENTER
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LEVEL 790.00 / 820.00 EM LIGHTING PHOTOMETRIC PLANS-CAB

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CEH	MAL

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O0002-61600160

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MARCH 3, 2017

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EM231

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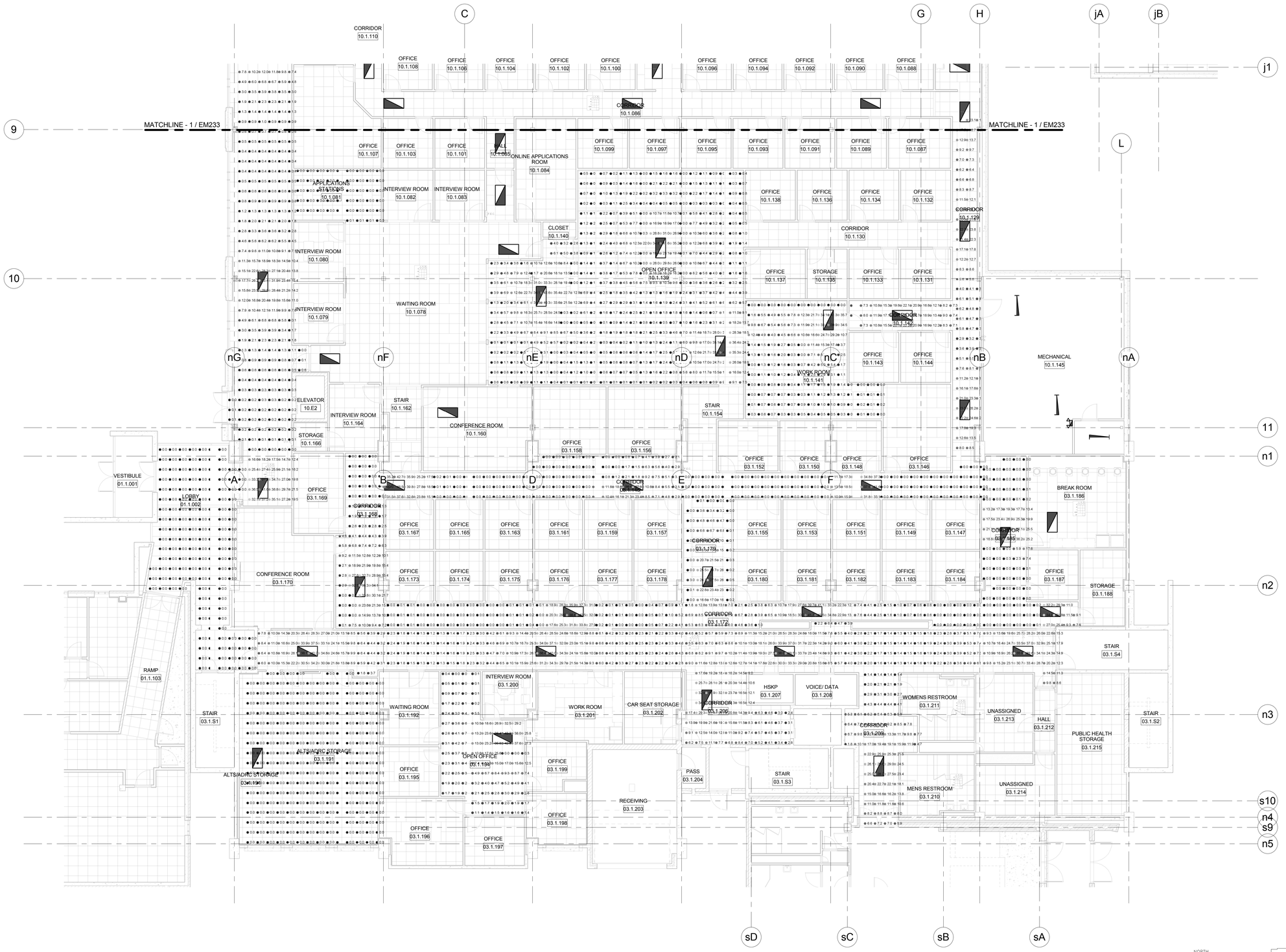

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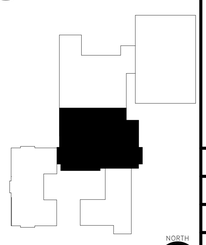

PLAN KEY

NORTH

McMAHON
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1445 McMAHON DRIVE NEENAH, WI 54956
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OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH

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CEH	MAL

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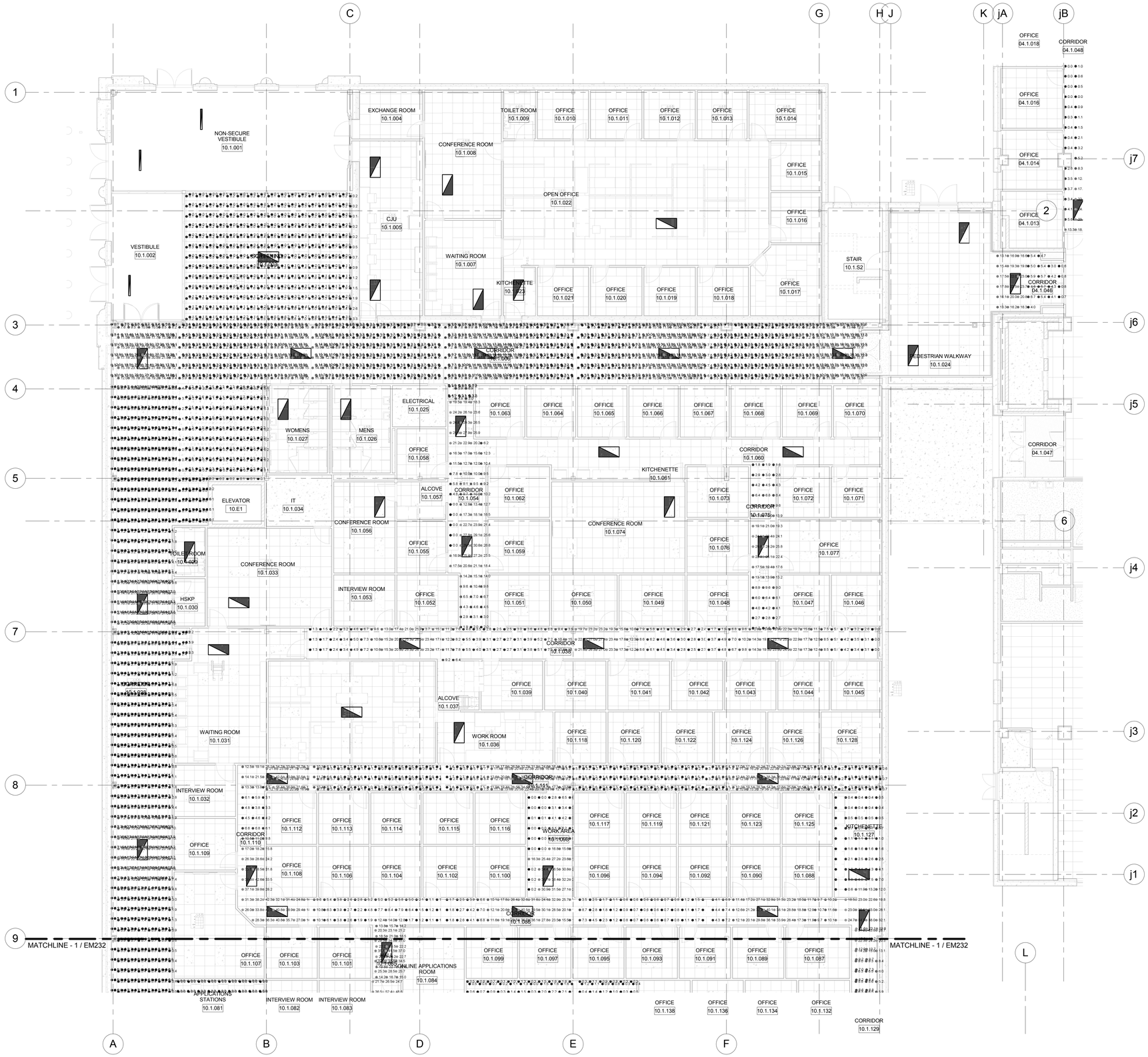

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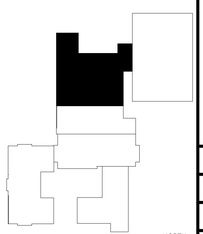
Scale: 1/8" = 1'-0"

NORTH



PLAN KEY

NORTH

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NO.	DATE	REVISION

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

DESIGNED	DRAWN
CEH	MAL

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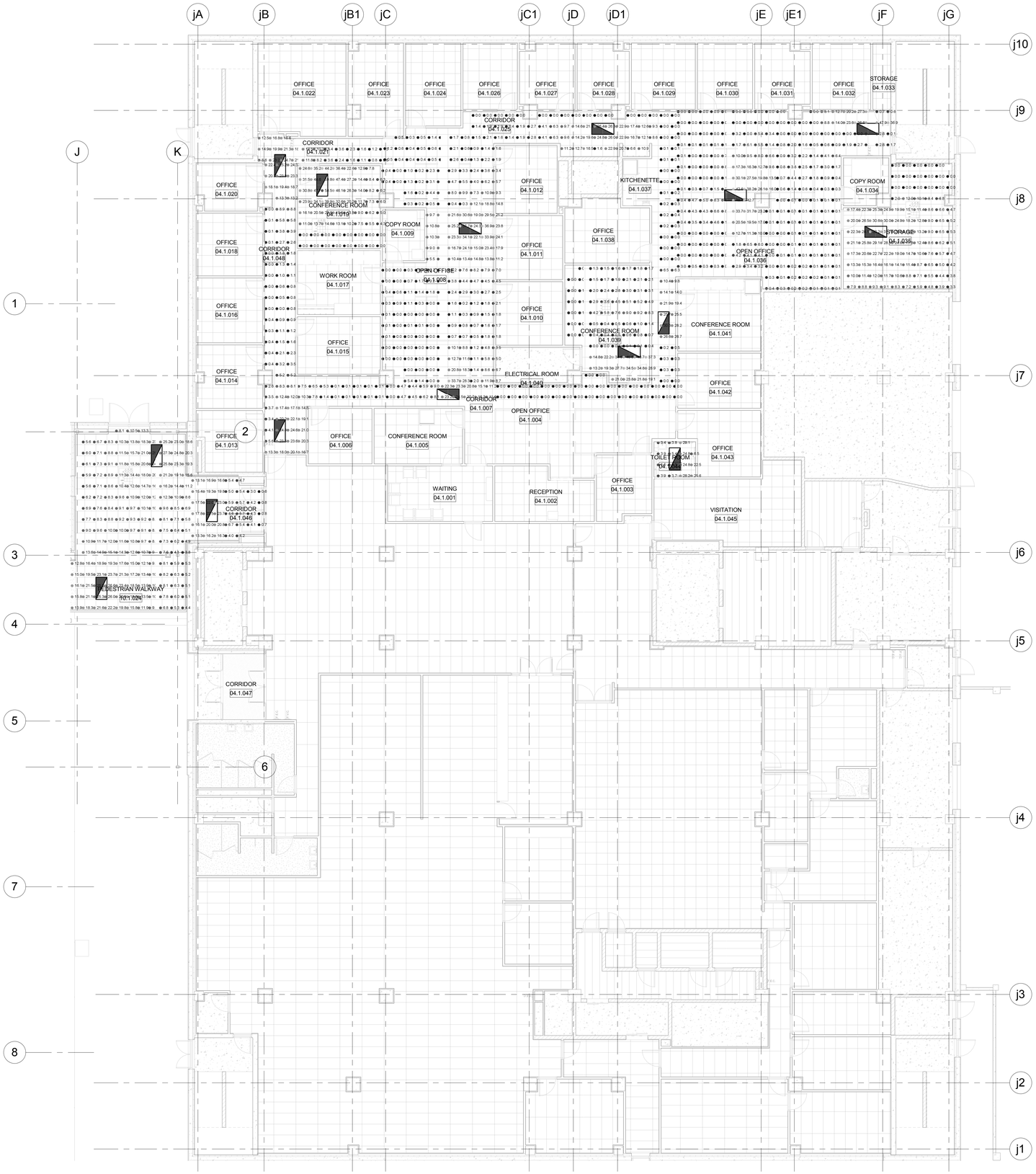

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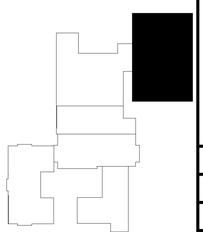

PLAN KEY

NORTH

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
McMAHON ASSOCIATES, INC. (800) 627-2665
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NO.	DATE	REVISION

ALTERATION / ADDITION

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. EM234

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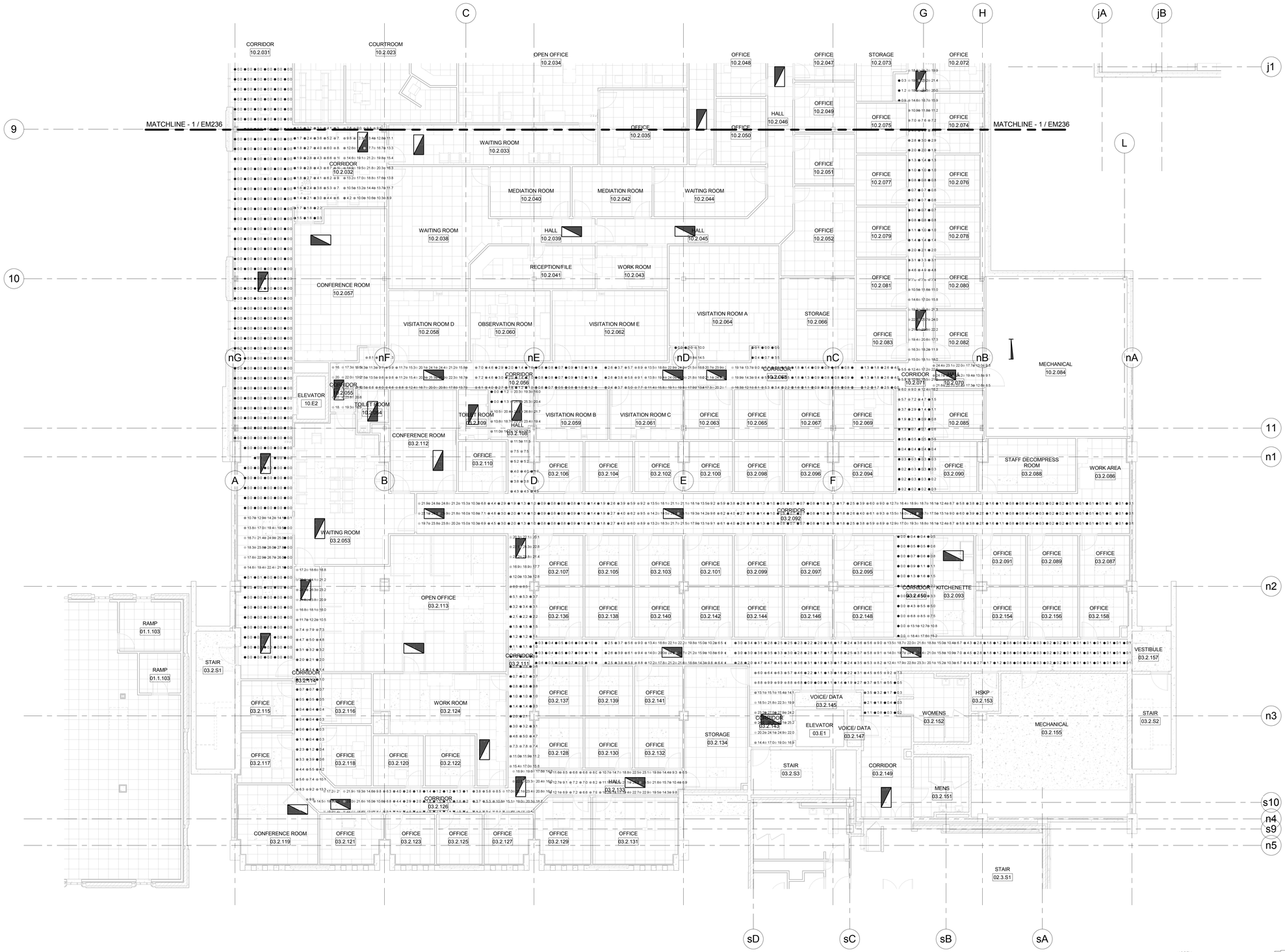

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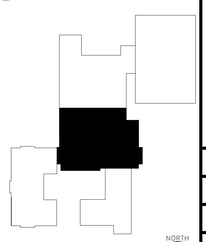

PLAN KEY

NORTH

McMAHON
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Milwaukee, WI Madison, WI Chicago, IL Minneapolis, MN
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OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

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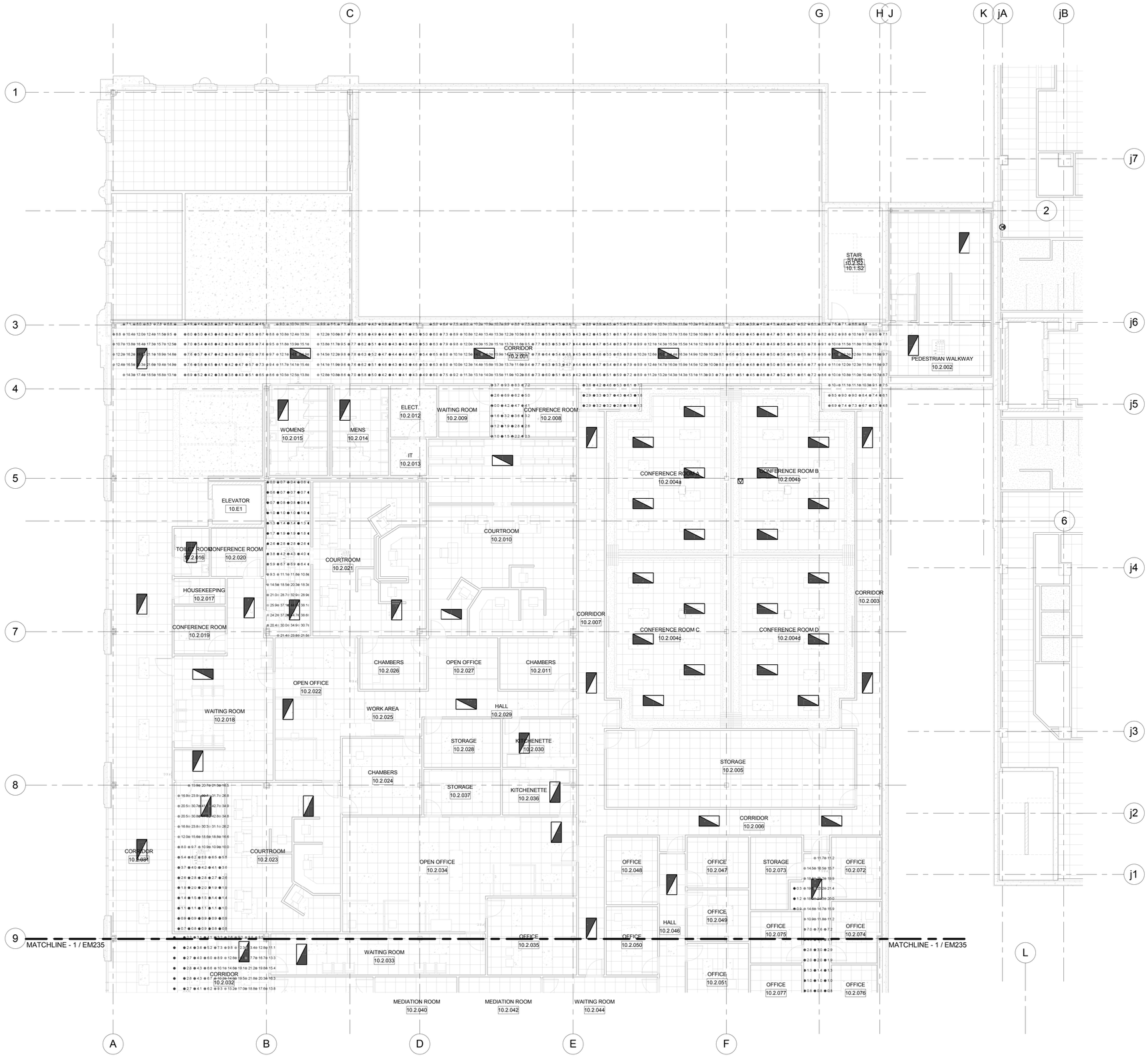

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Scale: 1/8" = 1'-0"

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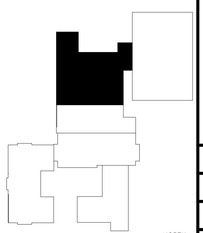

PLAN KEY

NORTH

McMAHON
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LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH

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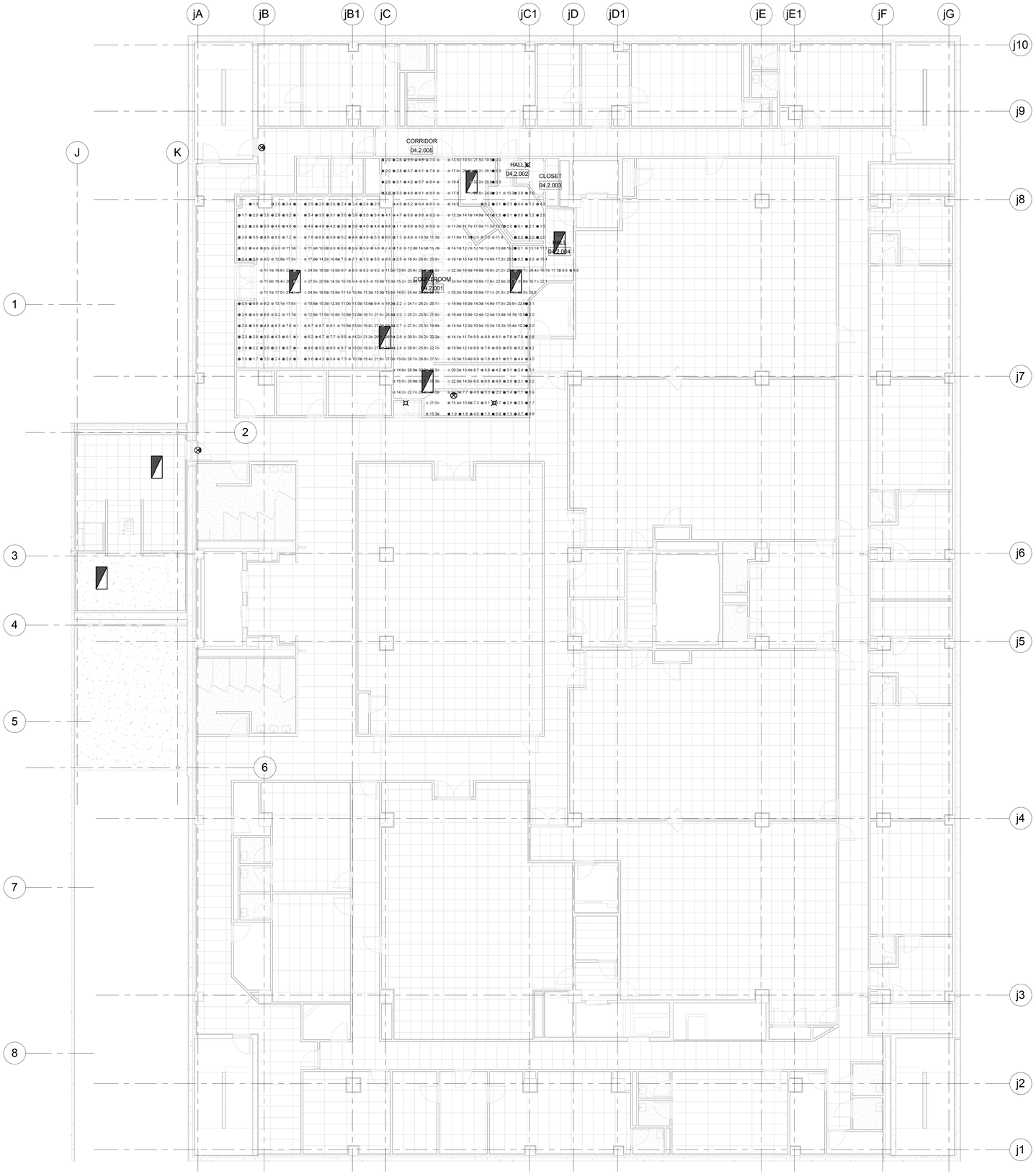

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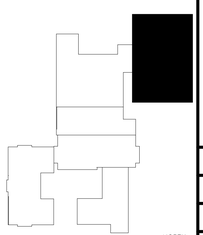

PLAN KEY

NORTH

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OUTAGAMIE COUNTY ADMINISTRATION CENTER
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LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN-JUSTICE CENTER

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

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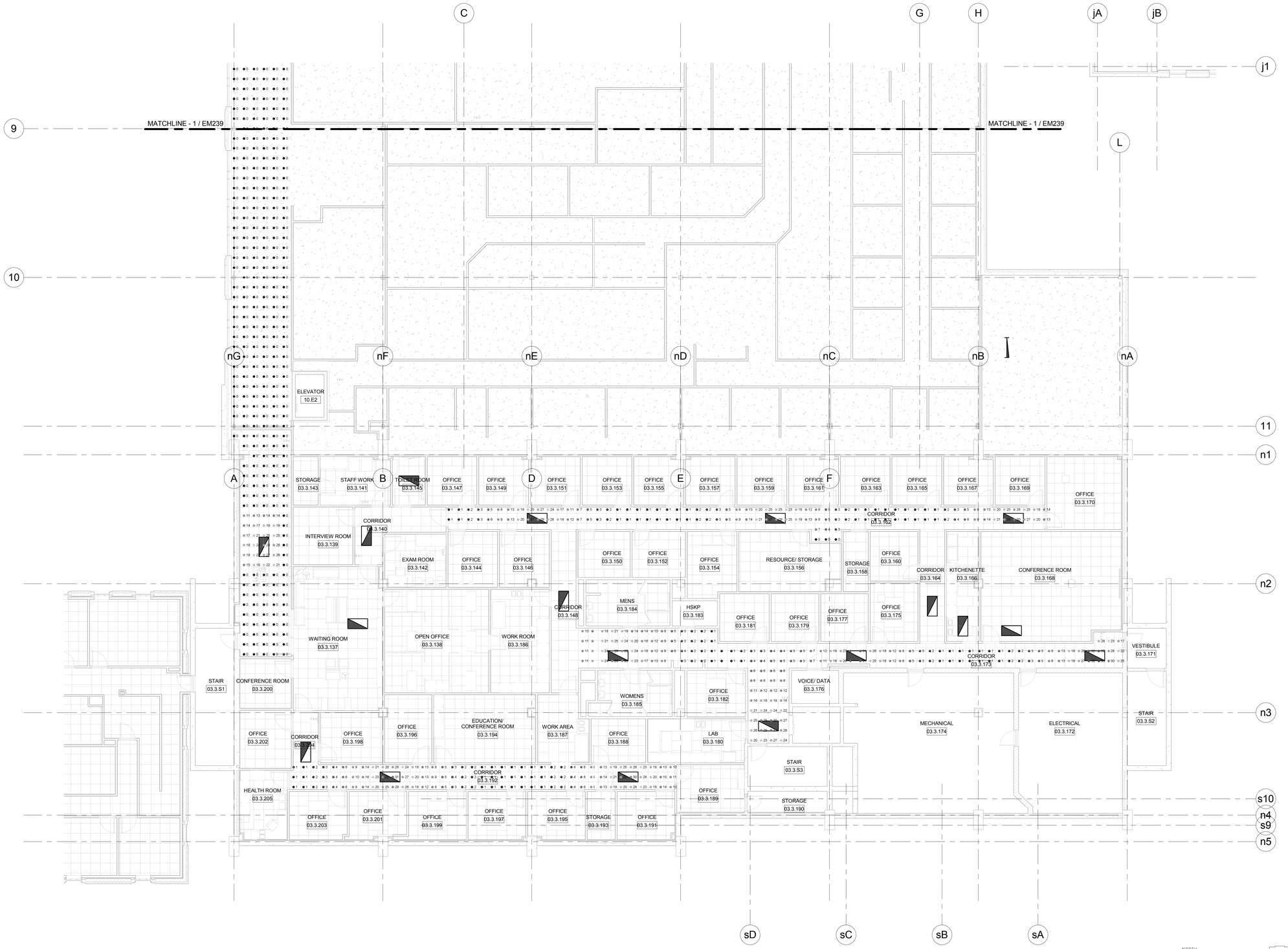

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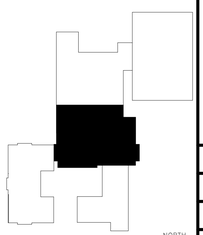

PLAN KEY

NORTH

McMAHON
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Mailing: P.O. BOX 2179 NEENAH, WI 54957-2179
Tel: (920) 751-4200 Fax: (920) 751-4284
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ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 EM LIGHTING PHOTOMETRIC PLAN-HHS NORTH/OCAC SOUTH

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

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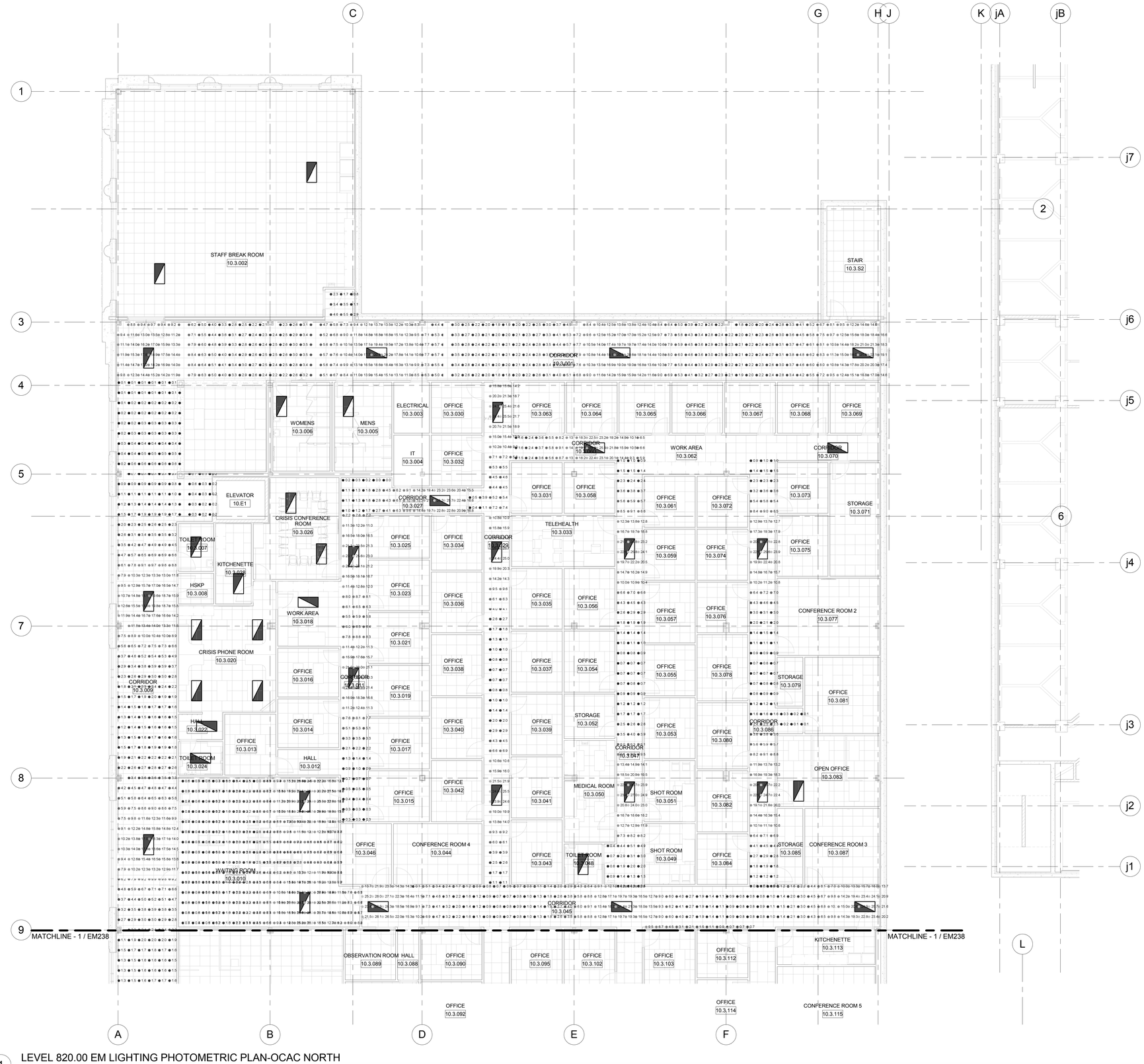

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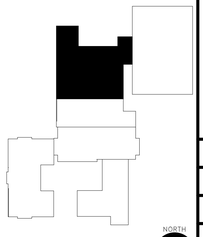

PLAN KEY

NORTH

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1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 Phone: (608) 241-1555
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OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 EM LIGHTING PHOTOMETRIC PLAN-OCAC NORTH

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COM*check* Software Version 4.0.5.4

Interior Lighting Compliance Certificate

Section 1: Project Information

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

Section 2: Interior Lighting and Power Calculation

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

Section 3: Interior Lighting Fixture Schedule

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

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

Section 4: Requirements Checklist

Interior Lighting PASSES: Design 26% better than code.

Lighting Wattage:

☐ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
147768	108765	YES

Controls, Switching, and Wiring:

☐ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.

☐ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:

☐ Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.

☐ Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.

☑ 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

☐ Areas designated as security or emergency areas that must be continuously illuminated.

☐ Lighting in stairways or corridors that are elements of the means of egress.

☐ 5. Master switch at entry to hotel/motel guest room.

☐ 6. Individual dwelling units separately metered.

☐ 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.

☑ 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:

☐ Only one luminaire in space.

☐ An occupant-sensing device controls the area.

☐ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.

☐ Areas that use less than 0.6 Watts/sq.ft.

☑ 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Exceptions:

☐ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

☐ 10. Photocell/astronomical time switch on exterior lights.

Exceptions:

☐ Lighting intended for 24 hour use.

☐ 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:

☐ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

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

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

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NO.	DATE	REVISION

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. EL821

2/28/2017 3:59:19 PM

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.

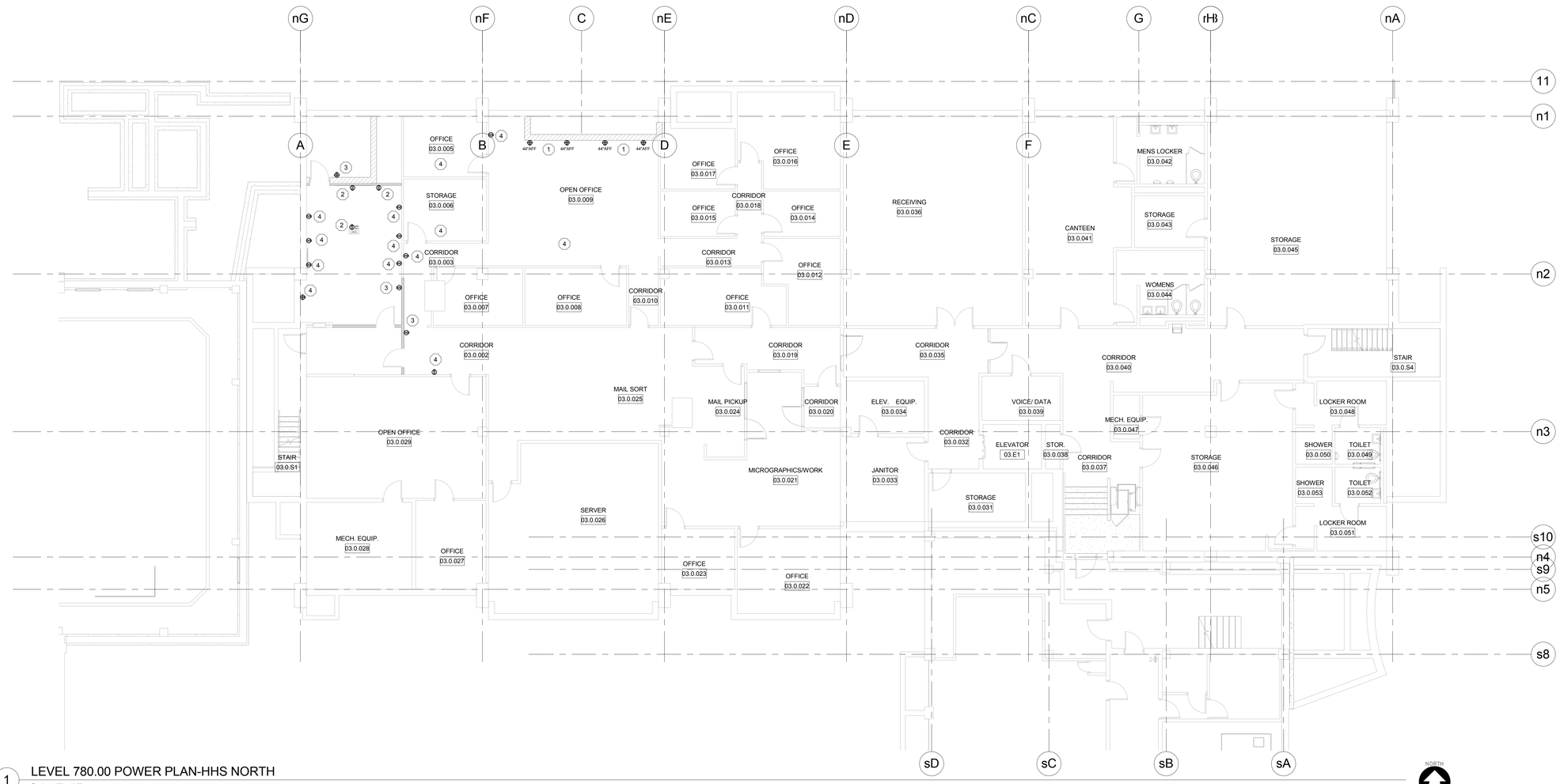
PLAN NOTES: (#)

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.

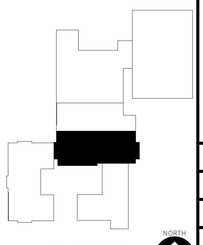
3. PROVIDE NEW, EXTEND CIRCUITING FROM EXISTING.

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



1 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: P.O. BOX 1025 NEENAH, WI 54957-1025
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NO.	DATE	REVISION

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

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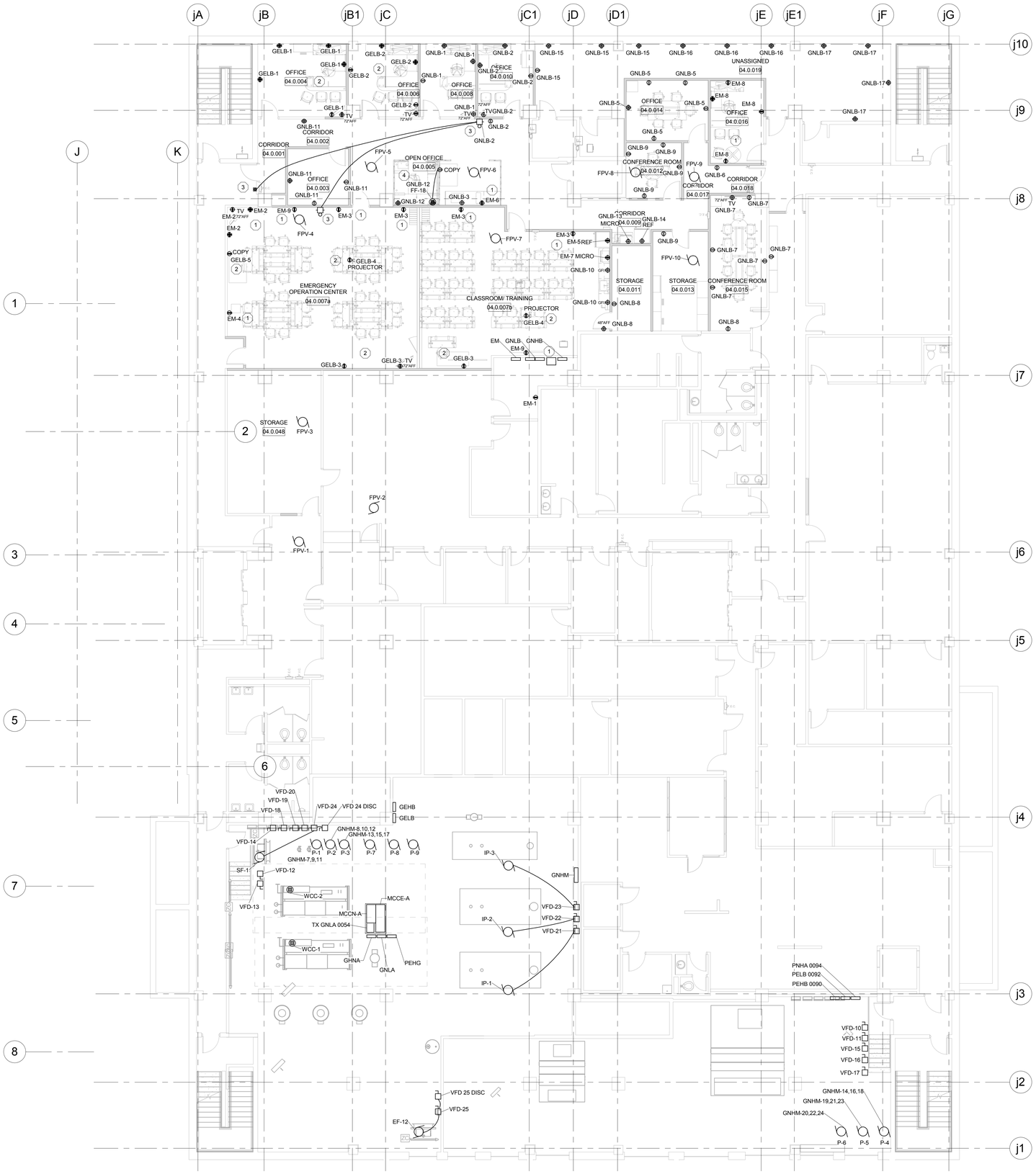


1 LEVEL 780.00 POWER PLAN-JUSTICE CENTER

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 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.

PLAN NOTES:

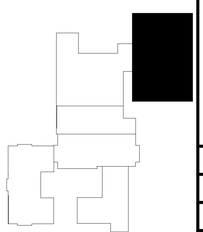
1. PROVIDE CIRCUITING FROM EM PANEL (#97)

2. EXTEND EXISTING CIRCUITING FROM PANEL GELB.

3. (1) DOOR BELL, PROVIDE AND INSTALL HARDWIRED, (2) WALL MOUNTED CHIMES, AND LUMINATED 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.

PLAN KEY



NORTH

McMAHON
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1445 McMAHON DRIVE NEENAH, WI 54956
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NO.	DATE	REVISION

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

2/28/2017 3:59:25 PM

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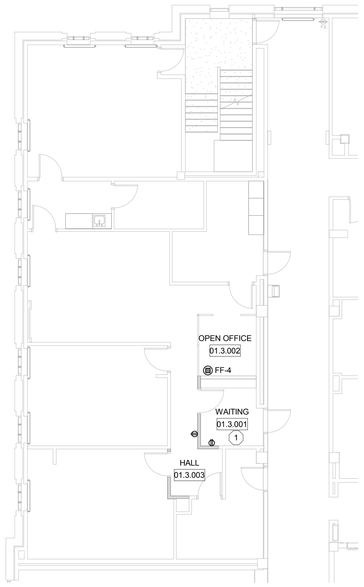
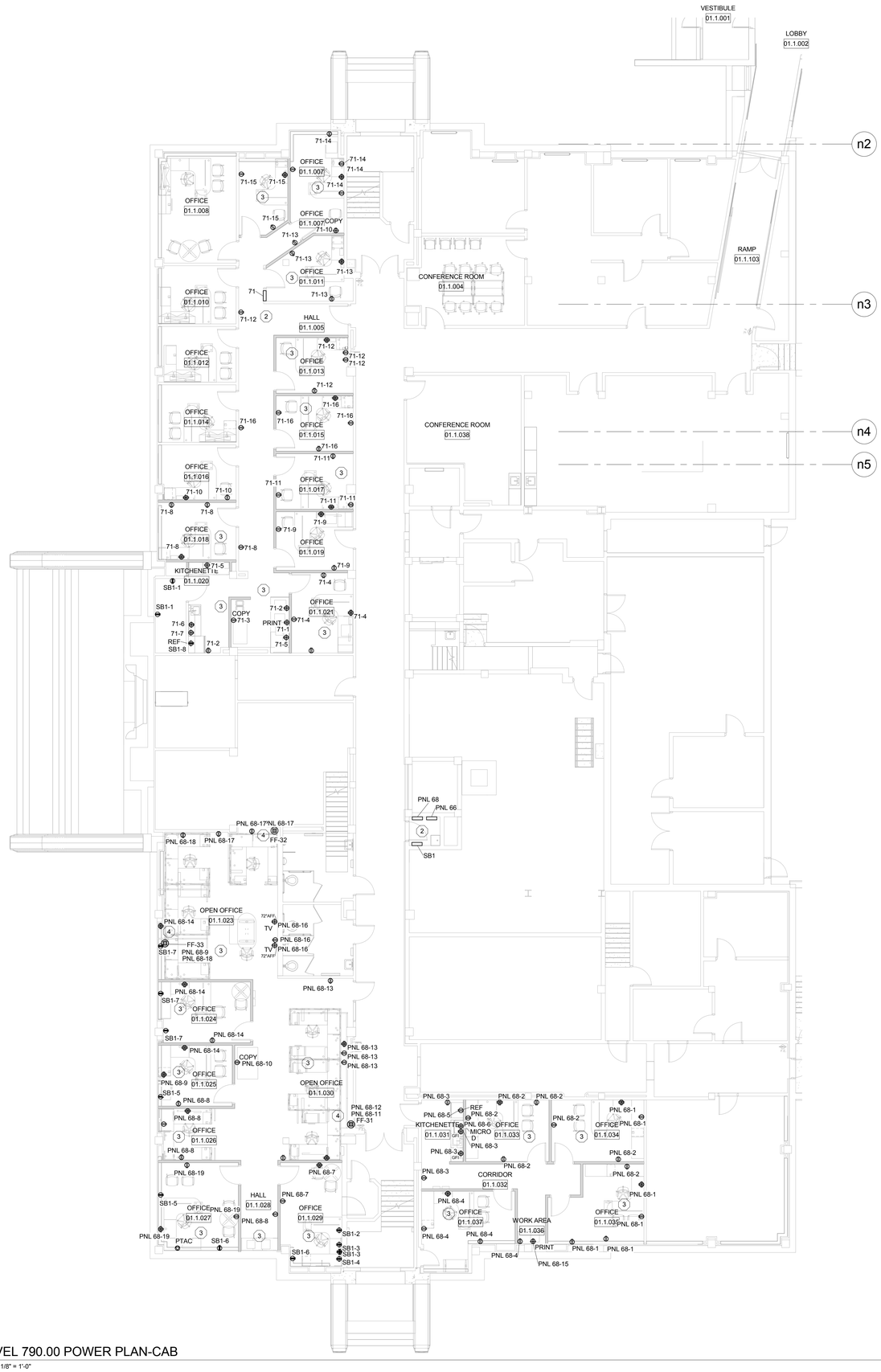


2 LEVEL 820.00 POWER PLAN-CAB

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



1 LEVEL 790.00 POWER PLAN-CAB

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 (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.

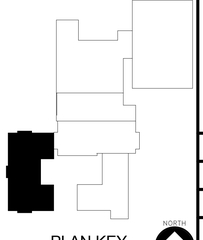
PLAN NOTES: (#)

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

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NO.	DATE	REVISION

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

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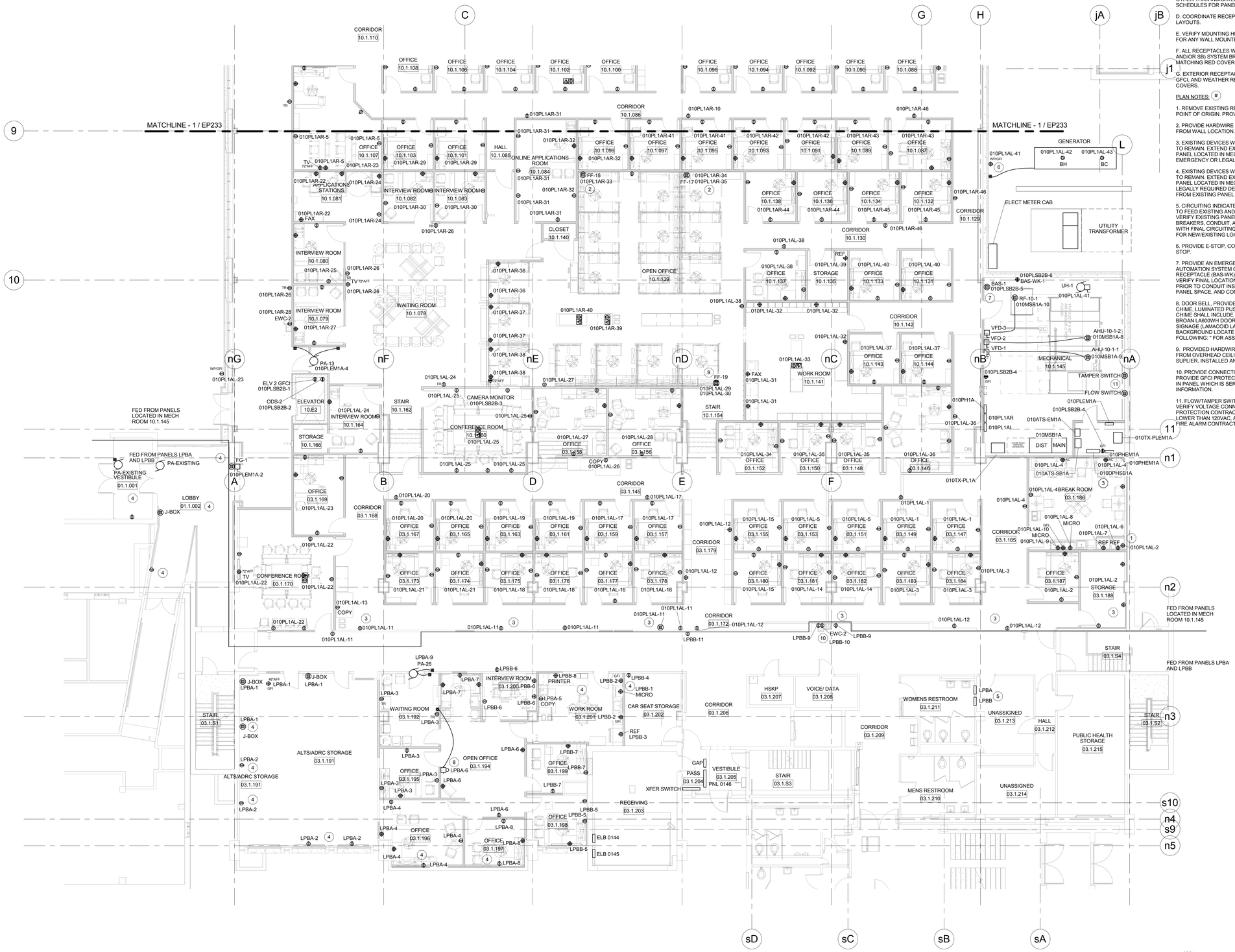


1 LEVEL 790.00 POWER PLAN-HHS NORTH/OCAC SOUTH

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 (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.

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.

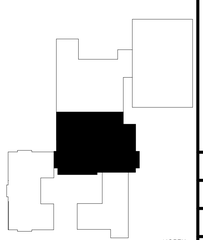
7. PROVIDE AN EMERGENCY POWER CONNECTION TO (BAS) BUILDING AUTOMATION SYSTEM CONTROL PANEL AND WORK STATION RECEPTACLE (BAS-WK). PANEL PROVIDED AND INSTALLED BY OTHERS. VERIFY FINAL LOCATION WITH CONTRACTOR INSTALLING (BAS) SYSTEM PRIOR TO CONDUIT INSTALLATION. CURRENT LOCATION ACCOUNTS FOR PANEL SPACE,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

8. DOOR BELL, PROVIDE AND INSTALL A HARDWIRED, WALL MOUNTED CHIME. (LUMINATED 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 SUPLIER, INSTALLED AND TERMINATED BY ELCECTRICAL 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.



PLAN KEY

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: P.O. BOX 2179 NEENAH, WI 54957-2179
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www.mcmgrp.com

NO.	DATE	REVISION

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

2/28/2017 3:59:43 PM

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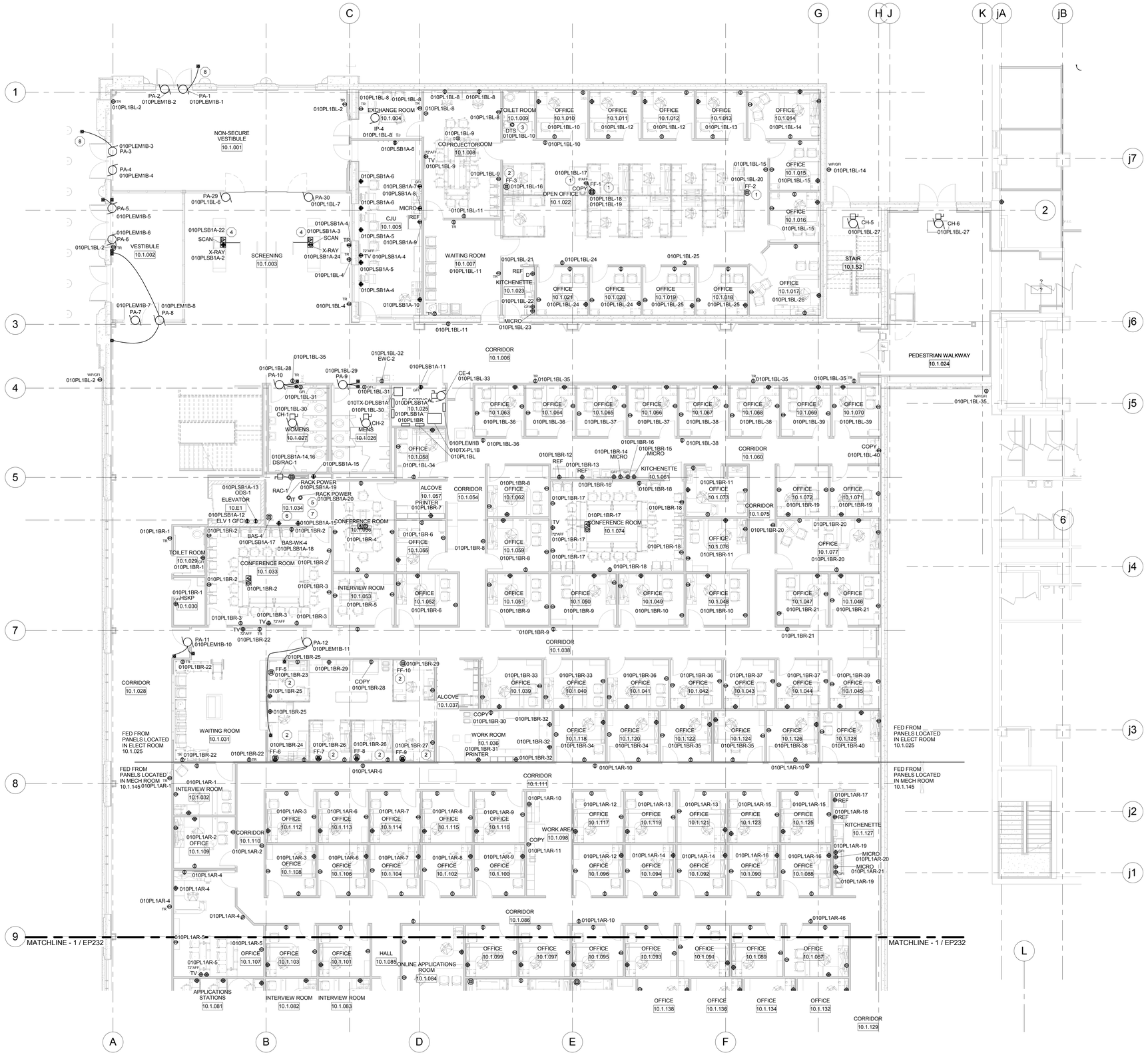


1 LEVEL 790.00 POWER PLAN-OCAC NORTH

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.

PLAN NOTES: (#)

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

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

3. PROVIDE SOLENOID CONNECTION AND OCCUPANCY CONNECTIONS TO CONTROL WATER VALVE WHEN DOOR IS CLOSED FOR TESTING TOILET.

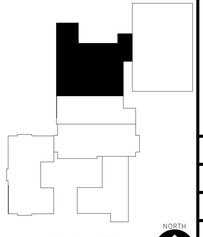
4. SCREENING, PROVIDE UNDERGROUND CONDUITS (1) POWER (1) DATA TO EACH FLOOR BOX LOCATION, DOUBLE DUPLEX RECETACLES FED WITH (2) SEPERATE BRANCH CIRCUITS FOR EACH X-RAY INSPECTION AND DETECTION SYSTEM. FLOOR BOXES SHALL BE INSTALLED WITH RECEPTACLES, AND DATA CONNECTIONS. SEE MANUFACTURES SPECIFICATION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

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NO.	DATE	REVISION

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

2/28/2017 3:59:56 PM

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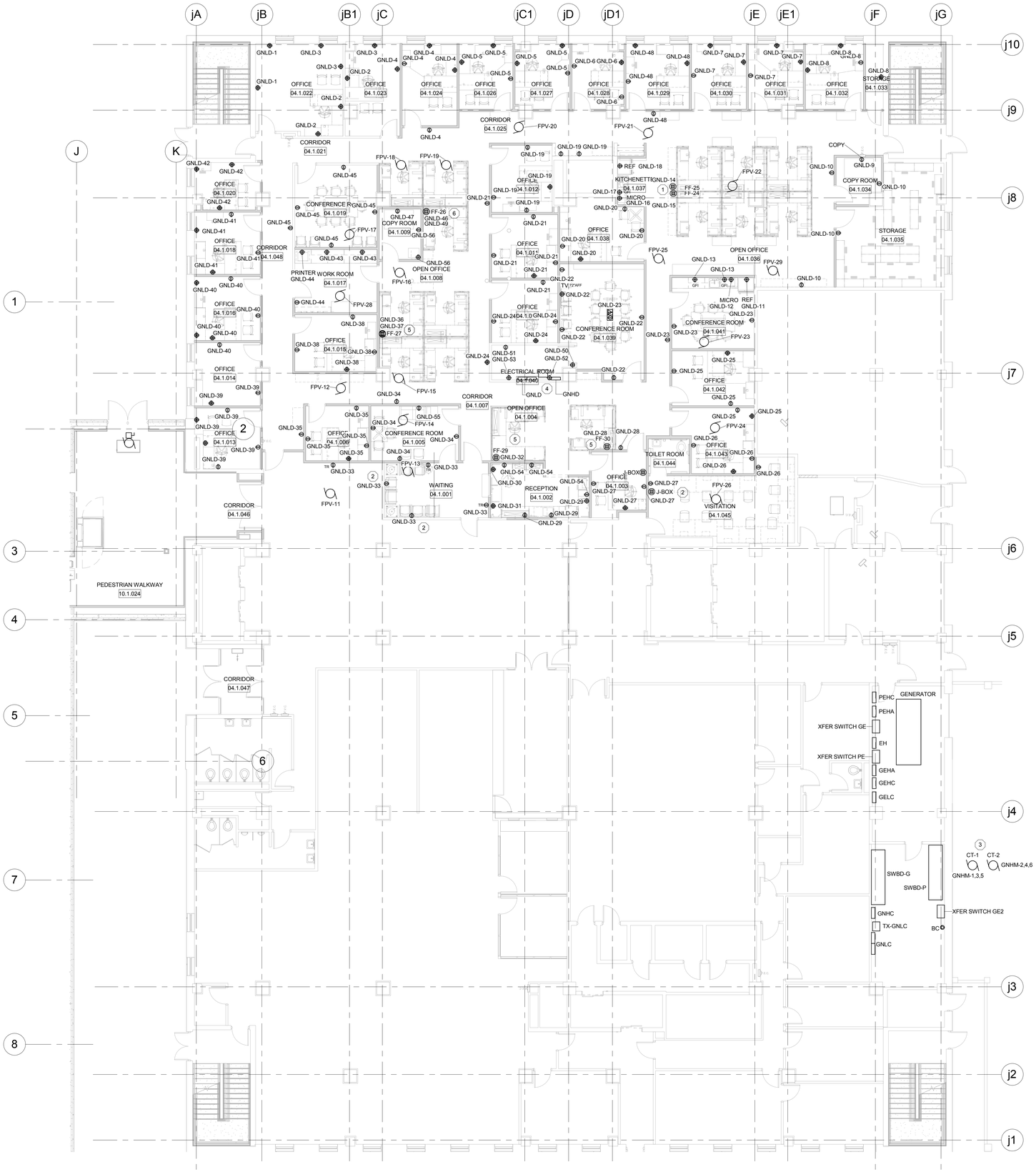


1 LEVEL 790.00 POWER PLAN-JUSTICE CENTER

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 (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. 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.

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.

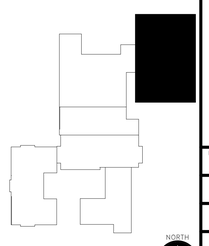
2. EXISTING DEVICES CHANGED TO TAMPER PROOF.

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 SUPLIER, INSTALLED AND TERMINATED BY ELCECTRICAL CONTRACTOR.



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LEVEL 790.00 POWER PLAN-JUSTICE CENTER

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. EP234

2/28/2017 4:00:03 PM

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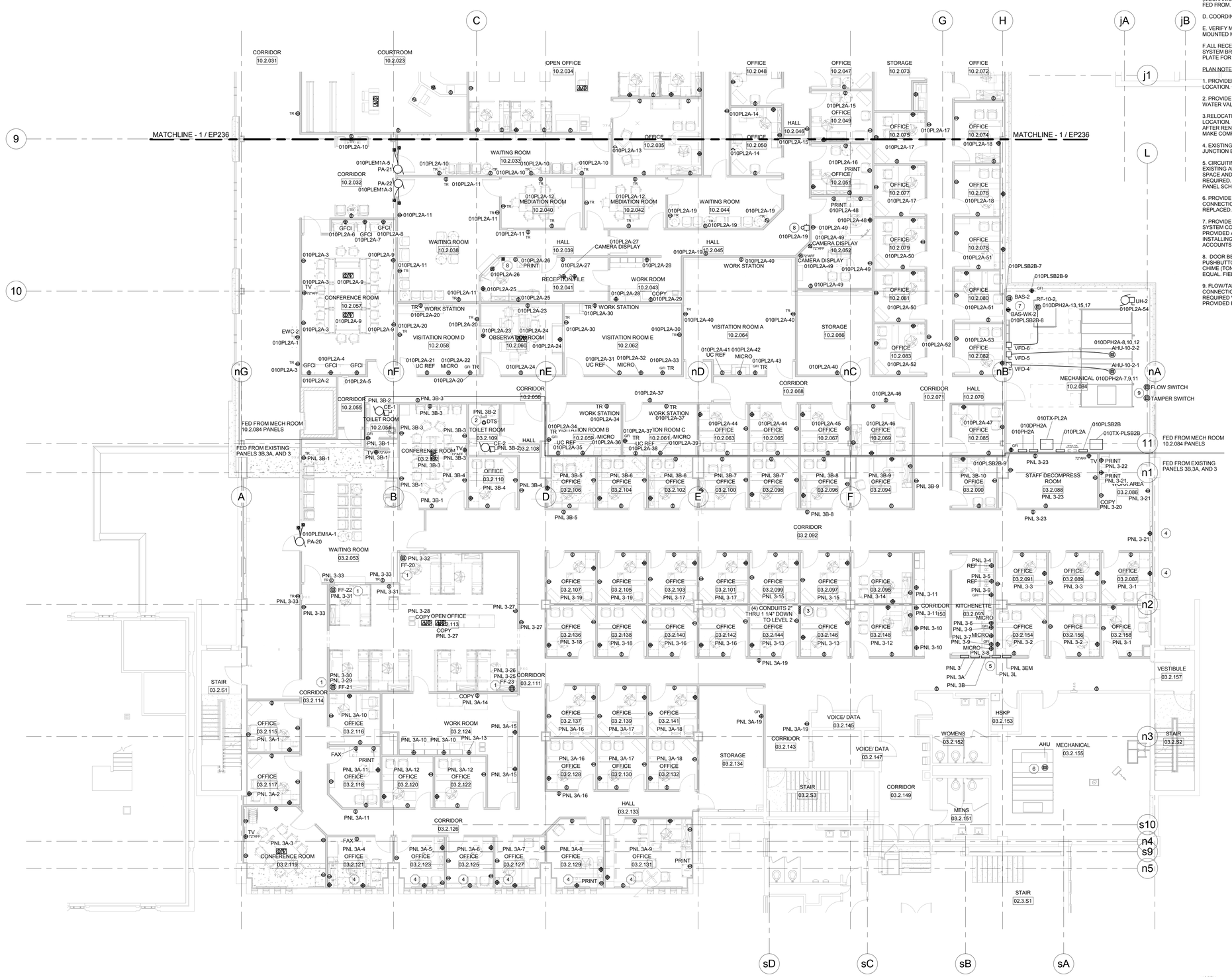
2/28/2017 4:00:17 PM



1 LEVEL 805.00 POWER PLAN-HHS NORTH/OCAC SOUTH

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 (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.

PLAN NOTES: (#)

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

2. PROVIDE SOLENOID CONNECTION AND OCCUPANCY CONNECTIONS TO CONTROL WATER VALVE WHEN DOOR IS CLOSED FOR TESTING TOILET.

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 FILLED 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.

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NO.	DATE	REVISION

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

PLAN KEY

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. EP235

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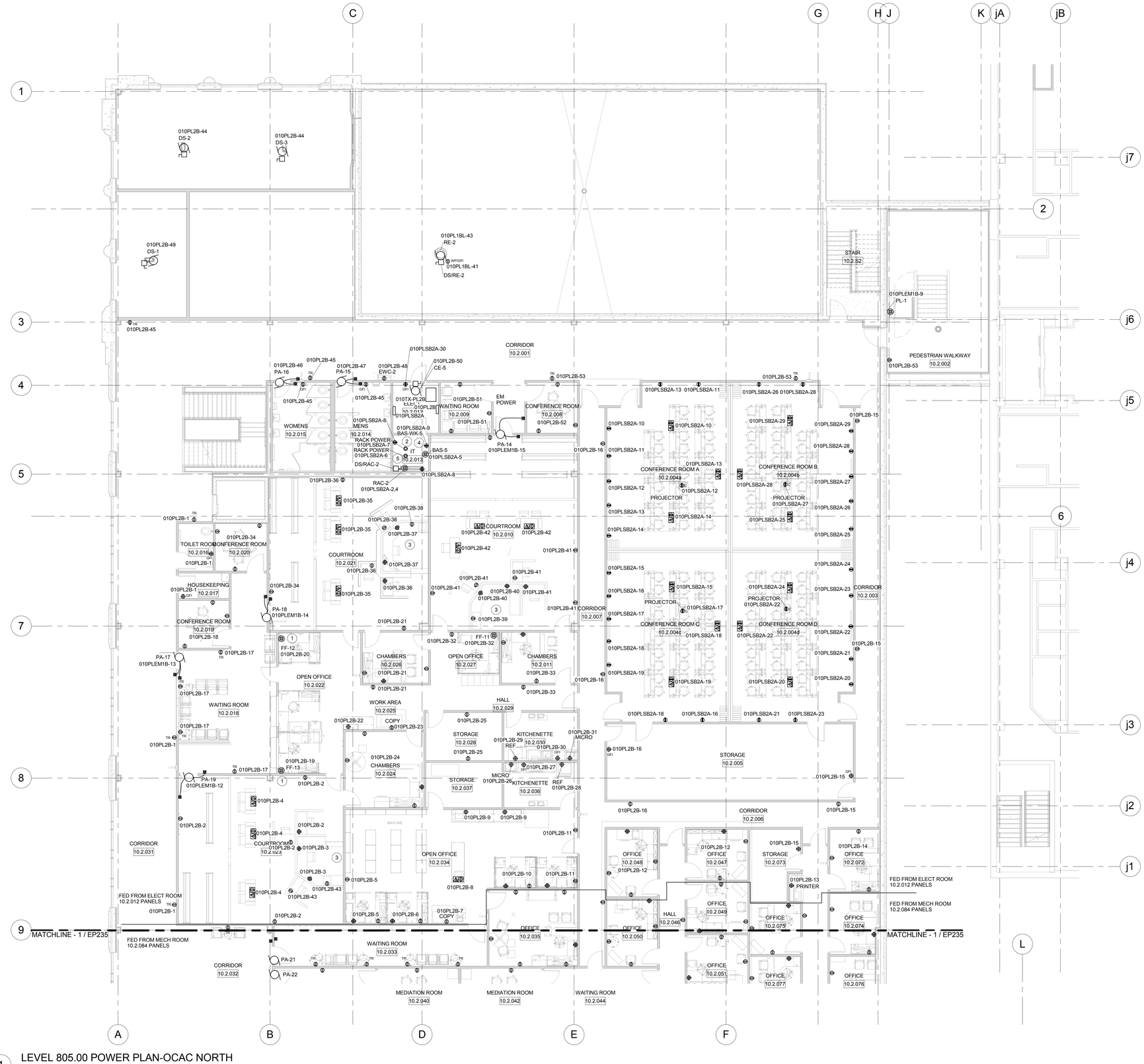

1 LEVEL 805.00 POWER PLAN-OCAC NORTH

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 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.

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.

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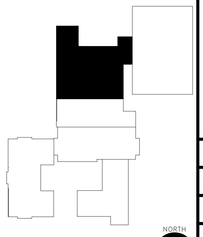
REVISION	DATE	NO.

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



PLAN KEY

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. EP236

2/28/2017 4:00:28 PM

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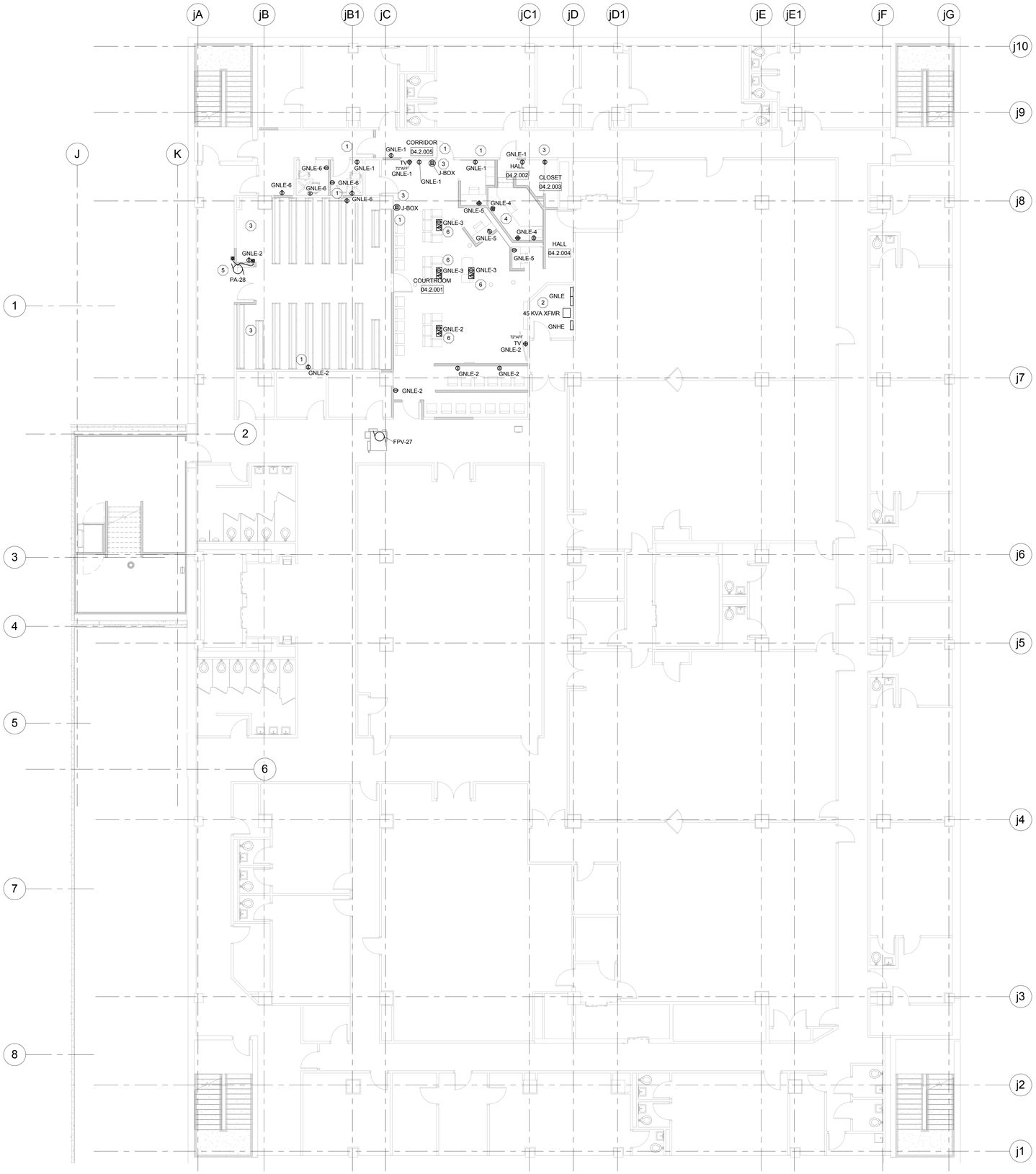


1 LEVEL 805.00 POWER PLAN-JUSTICE CENTER

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 (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.

PLAN NOTES: (#)

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

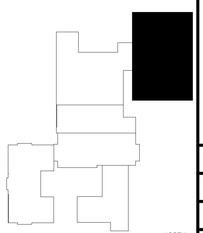
2. EXISTING TO REMAIN.

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
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NO.	DATE	REVISION

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

2/28/2017 4:00:34 PM

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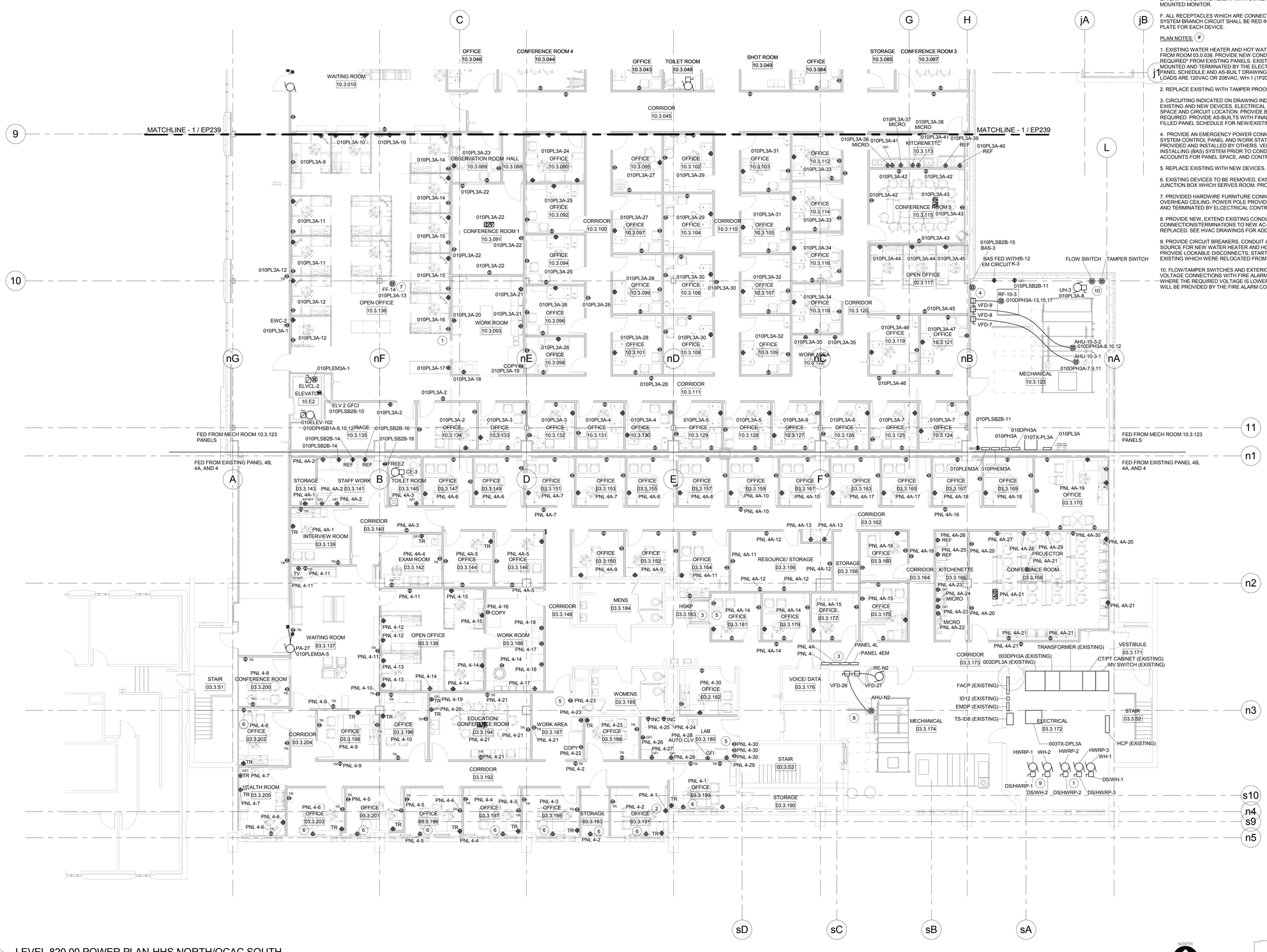

1 LEVEL 820.00 POWER PLAN-HHS NORTH/OCAC SOUTH

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. 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.

PLAN NOTES: (#)

1. EXISTING WATER HEATER AND HOT WATER RECIRCULATION PUMPS RELOCATED FROM ROOM 03.0.036. PROVIDE NEW CONDUIT, WIRING AND CIRCUIT BREAKERS "AS REQUIRED" FROM EXISTING PANELS. EXISTING CONTROLS AND DISCONNECTS MOUNTED AND TERMINATED BY THE ELECTRICAL CONTRACTOR. PROVIDE UPDATED PANEL SCHEDULE AND AS-BUILT DRAWINGS INDICATING PANEL AND CIRCUITING. LOADS ARE 120VAC OR 208VAC, WH-1 (1P20A), HWRP-2 (2P15A), HWRP-3 (3P15A).

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 FILLED 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 AND HOT WATER RECIRCULATING PUMP PROVIDE LOCKABLE DISCONNECTS, STARTERS, AND TERMINATIONS WHICH MATCH EXISTING WHICH WERE RELOCATED FROM BASEMENT.

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.

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NO.	DATE	REVISION

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

PLAN KEY

NORTH

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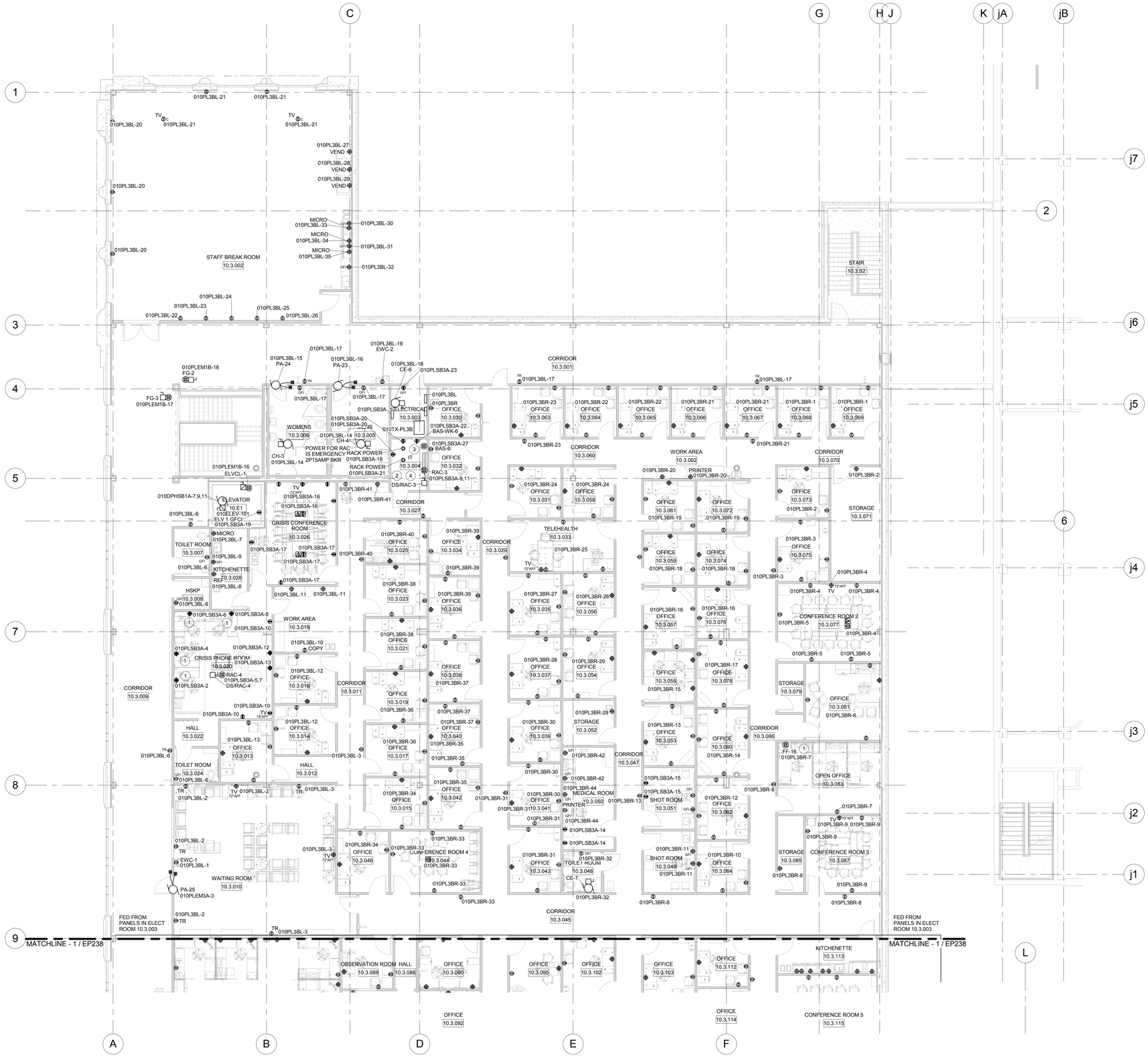

1 LEVEL 820.00 POWER PLAN-OCAC NORTH

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 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.

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.

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NO.	DATE	REVISION

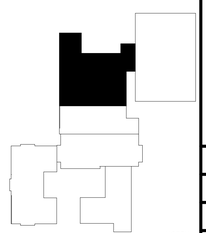
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 POWER PLAN-OCAC NORTH

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. EP239



PLAN KEY

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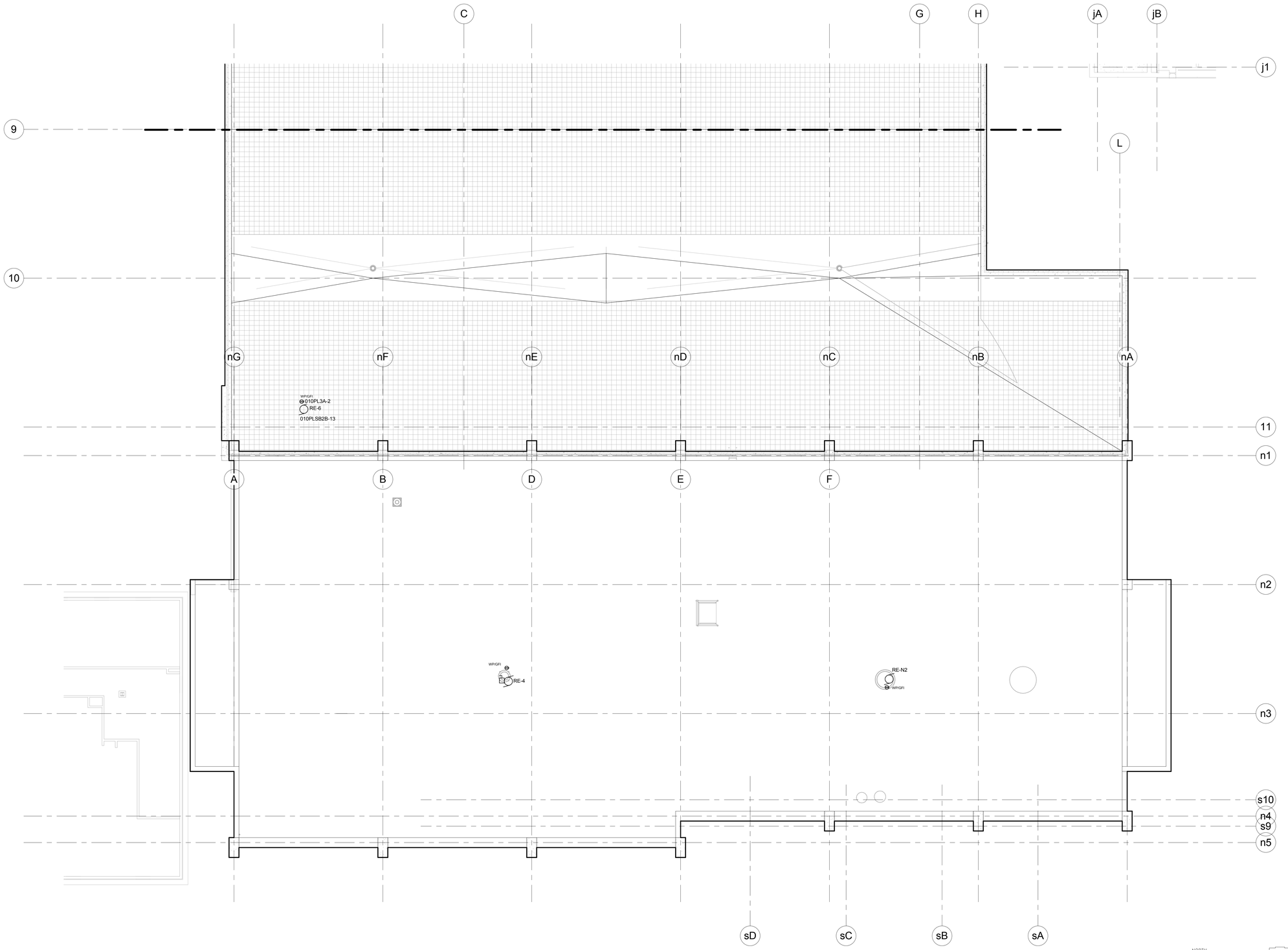
GENERAL NOTES:

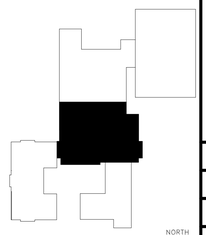
A. EXTERIOR RECEPTACLES WHEN INDICATED OUTDOORS SHALL BE GFCI, AND WEATHER RESISTANT WITH METAL HEAVY DUTY IN-USE COVERS.



1 ROOF LEVEL POWER PLAN-HHS NORTH/OCAC SOUTH

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

NORTH



PLAN KEY

NORTH

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NO.	DATE	REVISION

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. EP240

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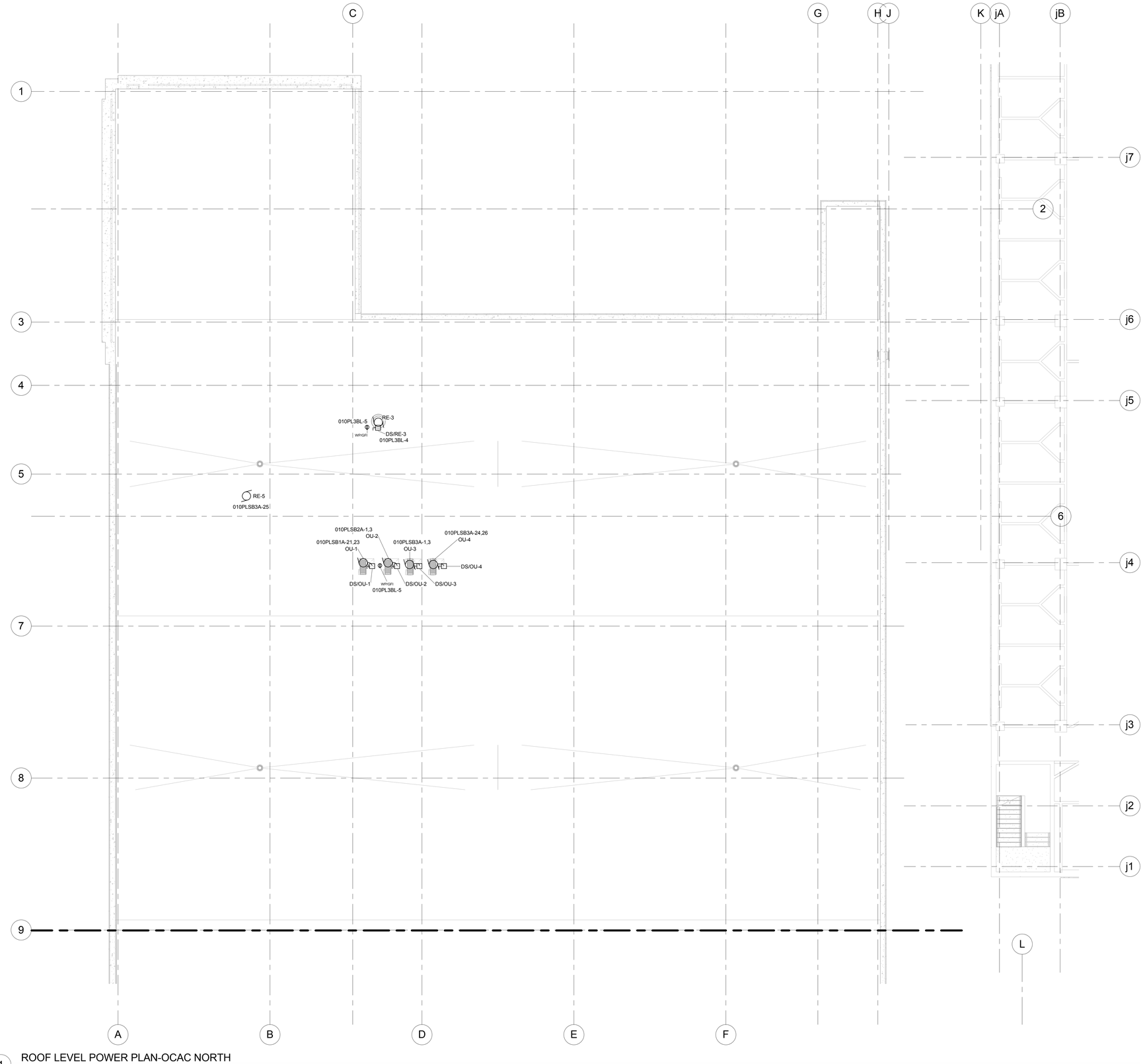
GENERAL NOTES:

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

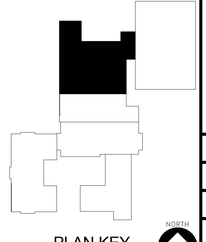
B. WHERE FLEXIBLE CONNECTIONS ARE REQUIRED WHEN LOCATED OUTDOORS FROM DISCONNECTS OR VFDs TO MOTORS SHALL BE FLEXIBLE, NON-CORROSIVE, AND UV RESISTANT.



1 ROOF LEVEL POWER PLAN-OCAC NORTH

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

NORTH



PLAN KEY

NORTH

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NO.	DATE	REVISION

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. EP241

2/28/2017 4:01:23 PM

HVAC EQUIPMENT SCHEDULE

CALLOUT	EQUIPMENT DESCRIPTION	COUNT	VOLTAGE	POLES	LOAD (kVA)	HORSEPOWER	PANEL	CIRCUIT	LOCATION	NOTES
AHU-10-1-1	AIR HANDLING UNIT	1	480 V	3	17.459	15	010MSB1A	9	MECHANICAL 10.1.145	PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
AHU-10-1-2	AIR HANDLING UNIT	1	480 V	3	17.459	15	010MSB1A	8	MECHANICAL 10.1.145	PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
AHU-10-2-1	AIR HANDLING UNIT	1	480 V	3	17.459	15	010DPH2A	7,9,11	MECHANICAL 10.2.084	PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
AHU-10-2-2	AIR HANDLING UNIT	1	480 V	3	17.459	15	010DPH2A	8,10,12	MECHANICAL 10.2.084	PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
AHU-10-3-1	AIR HANDLING UNIT	1	480 V	3	17.459	15	010DPH3A	7,9,11	MECHANICAL 10.3.123	PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
AHU-10-3-2	AIR HANDLING UNIT	1	480 V	3	17.459	15	010DPH3A	8,10,12	MECHANICAL 10.3.123	PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
AHU-N2	AIR HANDLING UNIT	1	480 V	3	11.639	10			MECHANICAL 03.3.174	PROVIDE NEW CONDUIT, WIRING AND ALL TERMINATIONS FROM AND EXISTING PANEL LOCATION FOR REPLACEMENT OF UNIT. BREAKER SERVING UNIT SHALL BE SIZED AT MINIMUM OF 25AMPS. SEE HVAC DRAWINGS H001 FOR ADDITIONAL INFORMATION.
BAS-1	BUILDING AUTOMATION SYSTEM CONTROL PANEL	1	120 V	1	1.92		010PLSB2B	5	MECHANICAL 10.1.145	PROVIDE EMERGENCY POWER CONNECTION TO SUPPLIED AND INSTALLED CONTROL PANEL
BAS-2	BUILDING AUTOMATION SYSTEM CONTROL PANEL	1	120 V	1	1.92		010PLSB2B	7	MECHANICAL 10.2.084	PROVIDE EMERGENCY POWER CONNECTION TO SUPPLIED AND INSTALLED CONTROL PANEL
BAS-3	BUILDING AUTOMATION SYSTEM CONTROL PANEL	1	120 V	1	1.92		010PLSB2B	15	MECHANICAL 10.1.145	PROVIDE EMERGENCY POWER CONNECTION TO SUPPLIED AND INSTALLED CONTROL PANEL
BAS-4	BUILDING AUTOMATION SYSTEM CONTROL PANEL	1	120 V	1	1.5		010PLSB1A	17	IT 10.1.034	PROVIDE EMERGENCY POWER CONNECTION TO SUPPLIED AND INSTALLED CONTROL PANEL
BAS-5	BUILDING AUTOMATION SYSTEM CONTROL PANEL	1	120 V	1	1.92		010PLSB2A	5	IT 10.2.013	PROVIDE EMERGENCY POWER CONNECTION TO SUPPLIED AND INSTALLED CONTROL PANEL
BAS-6	BUILDING AUTOMATION SYSTEM CONTROL PANEL	1	120 V	1	1.92		010PLSB3A	27	IT 10.3.004	PROVIDE EMERGENCY POWER CONNECTION TO SUPPLIED AND INSTALLED CONTROL PANEL
BAS-WK-1	BUILDING AUTOMATION SYSTEM WORKSTATION	1	120 V	1	0.4		010PLSB2B	6	MECHANICAL 10.1.145	COORDINATE FINAL RECEPTACLE LOCATION AND MOUNTING HEIGHT
BAS-WK-2	BUILDING AUTOMATION SYSTEM WORKSTATION	1	120 V	1	0.4		010PLSB2B	8	MECHANICAL 10.2.084	COORDINATE FINAL RECEPTACLE LOCATION AND MOUNTING HEIGHT
BAS-WK-3	BUILDING AUTOMATION SYSTEM WORKSTATION	1	120 V	1	0.4		010PLSB2B	12	MECHANICAL 10.2.084	COORDINATE FINAL RECEPTACLE LOCATION AND MOUNTING HEIGHT
BAS-WK-4	BUILDING AUTOMATION SYSTEM WORKSTATION	1	120 V	1	0.4		010PLSB1A	18	IT 10.1.034	COORDINATE FINAL RECEPTACLE LOCATION AND MOUNTING HEIGHT
BAS-WK-5	BUILDING AUTOMATION SYSTEM WORKSTATION	1	120 V	1	0.4		010PLSB2A	9	IT 10.2.013	COORDINATE FINAL RECEPTACLE LOCATION AND MOUNTING HEIGHT
BAS-WK-6	BUILDING AUTOMATION SYSTEM WORKSTATION	1	120 V	1	0.4		010PLSB3A	22	IT 10.3.004	COORDINATE FINAL RECEPTACLE LOCATION AND MOUNTING HEIGHT
CE-1	CEILING EXHAUST FAN	1	120 V	1	0.4	FRAC	PNL 3B	2	TOILET ROOM 10.2.054	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CE-2	CEILING EXHAUST FAN	1	120 V	1	0.4	FRAC	PNL 3B	2	TOILET ROOM 03.2.109	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CE-3	CEILING EXHAUST FAN	1	120 V	1	0.4	FRAC	PNL 4A	3	TOILET ROOM 03.3.145	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CE-4	CEILING EXHAUST FAN	1	120 V	1	0.4	FRAC	010PL1BL	33	ELECTRICAL 10.1.025	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CE-5	CEILING EXHAUST FAN	1	120 V	1	0.4	FRAC	010PL2B	50	ELECT. 10.2.012	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CE-6	CEILING EXHAUST FAN	1	120 V	1	0.4	FRAC	010PL3BL	18	ELECTRICAL 10.3.003	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CE-7	CEILING EXHAUST FAN	1	120 V	1	0.4	FRAC	010PL3BR	32	TOILET ROOM 10.3.048	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CH-1	CABINET HEATER	1	120 V	1	0.2	.06	010PL1BL	30	WOMENS 10.1.027	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CH-2	CABINET HEATER	1	120 V	1	0.2	.06	010PL1BL	30	MENS 10.1.026	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CH-3	CABINET HEATER	1	120 V	1	0.2	.06	010PL3BL	14	WOMENS 10.3.006	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CH-4	CABINET HEATER	1	120 V	1	0.2	.06	010PL3BL	14	MENS 10.3.005	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CH-5	CABINET HEATER	1	120 V	1	0.1	.1	010PL1BL	27	STAIR 10.1.S2	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CH-6	CABINET HEATER	1	120 V	1	0.1	.1	010PL1BL	27	PEDESTRIAN WALKWAY 10.1.024	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS
CT-1	COOLING TOWER FAN 1	1	480 V	3	43.231	40	GNHM	1,3,5	MECHANICAL 10.1.145	CT-1 FED FROM VFD-10
CT-2	COOLING TOWER FAN 2	1	480 V	3	43.231	40	GNHM	2,4,6	MECHANICAL 10.1.145	CT-2 FED FROM VFD-11
DS-1	DESTRATIFICATION FAN #2	1	120 V	1	0.3	FRAC	010PL2B	49	OCAC NORTH 805.00	PROVIDE FAN RATED BOX, LOCAL DISCONNECTING MEANS NEAR UNIT. VERIFY ADDITIONAL CONTROL MEANS WITH HVAC CONTRACTOR, PROVIDE 120VAC AS REQUIRED FOR FAN CONTROL.
DS-2	DESTRATIFICATION FAN #1	1	120 V	1	0.3	FRAC	010PL2B	44	OCAC NORTH 805.00	PROVIDE FAN RATED BOX, LOCAL DISCONNECTING MEANS NEAR UNIT. VERIFY ADDITIONAL CONTROL MEANS WITH HVAC CONTRACTOR, PROVIDE 120VAC AS REQUIRED FOR FAN CONTROL.
DS-3	DESTRATIFICATION FAN #3	1	120 V	1	0.3	FRAC	010PL2B	44	OCAC NORTH 805.00	PROVIDE FAN RATED BOX, LOCAL DISCONNECTING MEANS NEAR UNIT. VERIFY ADDITIONAL CONTROL MEANS WITH HVAC CONTRACTOR, PROVIDE 120VAC AS REQUIRED FOR FAN CONTROL.
EF-12	EXHAUST FAN BOILER ROOM	1	480 V	3	2.827	2			MECHANICAL G061	EXISTING REPLACED WITH NEW, PROVIDE CONDUIT, WIRING FROM NEW VFD LOCATION. PROVIDE VFD RATED CONDUCTORS FROM SECONDARY SIDE OF VFD.
FPV-1	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			NEAR STORAGE 04.0.048	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-2	FAN POWERED VAV BOX	1	277 V	1	0.475	1/4			NEAR STORAGE 04.0.048	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-3	FAN POWERED VAV BOX	1	277 V	1	0.475	1/4			STORAGE 04.0.048	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-4	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			EMERGENCY OPERATION CENTER 04.0.007a	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-5	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			OPEN OFFICE 04.0.005	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-6	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			OPEN OFFICE 04.0.005	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-7	FAN POWERED VAV BOX	1	277 V	1	0.475	1/4			CLASSROOM/ TRAINING 04.0.007b	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-8	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CONFERENCE ROOM 04.0.012	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-9	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CORRIDOR 04.0.017	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-10	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			STORAGE 04.0.013	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-11	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			NEAR WAITING 04.1.001	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-12	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CORRIDOR 04.1.007	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-13	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			WAITING 04.1.001	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-14	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CONFERENCE ROOM 04.1.005	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-15	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			OPEN OFFICE 04.1.008	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-16	FAN POWERED VAV BOX	1	277 V	1	0.475	1/4			OPEN OFFICE 04.1.008	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-17	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CONFERENCE ROOM 04.1.019	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-18	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			OPEN OFFICE 04.1.008	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-19	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			OPEN OFFICE 04.1.008	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-20	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CORRIDOR 04.1.025	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-21	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CORRIDOR 04.1.025	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-22	FAN POWERED VAV BOX	1	277 V	1	0.475	1/4			OPEN OFFICE 04.1.036	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-23	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CONFERENCE ROOM 04.1.041	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-24	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			OFFICE 04.1.043	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-25	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CORRIDOR 04.1.025	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-26	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			VISITATION 04.1.045	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
FPV-27	FAN POWERED VAV BOX	1	277 V	1	1.22	3/4			NEAR COURTROOM 04.2.001	PROVIDE NEW 30AMP MOTOR RATED DISCONNECTING MEANS WITH OVERLOADS, LOCATED NEAR UNIT.
FPV-28	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			WORK ROOM 04.1.017	PROVIDE MOTOR RATED DISCONNECTING MEANS LOCATED NEAR UNIT.
FPV-29	FAN POWERED VAV BOX	1	277 V	1	0.305	1/8			CORRIDOR 04.1.025	UTILIZE EXISTING MOTOR DISCONNECTING MEANS FROM PREVIOUS VAV BOX MOTOR
IP-1	EXISTING BOILER B-1	1	480 V	3	6.318	5			MECHANICAL G061	FED FROM VFD 21
IP-2	EXISTING BOILER B-2	1	480 V	3	6.318	5			MECHANICAL G061	FED FROM VFD 22
IP-3	EXISTING BOILER B-3	1	480 V	3	3.991	3			MECHANICAL G061	FED FROM VFD 23
IP-4	IN-FLOOR RADIANT HEAT PUMP	1	120 V	1	0.696	1/4	010PL1BL	8	EXCHANGE ROOM 10.1.004	MOUNTED ABOVE CEILING, PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS

GENERAL NOTES:

A. MECHANICAL CONTRACTOR SHALL FURNISH ALL STARTING EQUIPMENT, INCLUDING SWITCHES, RELAYS, ETC AND SHALL TURN THOSE OVER TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION AND WIRING (POWER).
I. CONTROL WIRING SHALL BE BY THE TEMPERATURE CONTROLS SUBCONTRACTOR.

B. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL MOTOR RATED DISCONNECTS WITH OVERLOAD PROTECTION, FUSED AND/OR CIRCUIT BREAKER DISCONNECTS, EXCEPT AS INDICATED OTHERWISE.

C. VARIABLE FREQUENCY DRIVES ARE SPECIFIED TO INCLUDE DOOR INTERLOCKED MAIN CIRCUIT BREAKER OR FUSED DISCONNECT FOR DRIVE.

GENERAL NOTES CONT:

D. VARIABLE FREQUENCY DRIVES ARE TO BE SET IN PLACE BY THE MECHANICAL CONTRACTOR AND WIRED (POWER) BY THE ELECTRICAL CONTRACTOR.
I. CONTROL WIRING SHALL BE BY THE TEMPERATURE CONTROLS SUBCONTRACTOR.

E. COMPLETE BUILDING AUTOMATION SYSTEM IS BY MECHANICAL CONTRACTOR.
I. THRU BAS SUBCONTRACTOR
1. INCLUDES ALL WIRING, OTHER THAN POWER WIRING FROM PANEL SOURCE TO STARTER AND/OR VFD AND TO MOTOR.
2. BRANCH CIRCUIT WIRING FROM PANEL SOURCE TO BAS PANEL AND BAS PERSONAL COMPUTER WORKSTATION(S) PROVIDED BY ELECTRICAL CONTRACTOR. BAS IS TO REFER TO ELECTRICAL DRAWINGS AND COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PLACEMENT OF BAS CONTROLLER AND WORKSTATION LOCATIONS.

HVAC EQUIPMENT SCHEDULE CONT.

CALLOUT	EQUIPMENT DESCRIPTION	COUNT	VOLTAGE	POLES	LOAD (kVA)	HORSEPOWER	PANEL	CIRCUIT	LOCATION	NOTES
OU-1	OUTDOOR CONDENSING UNIT	1	208 V	2	3.744		010PLSB1A	21,23	OCAC NORTH ROOFTOP	30AMP MOCP, FED FROM EMERGENCY PANEL, SEE HVAC H001 FOR ADDITIONAL INFORMATION
OU-2	OUTDOOR CONDENSING UNIT	1	208 V	2	3.744		010PLSB2A	1,3	OCAC NORTH ROOFTOP	30AMP MOCP, FED FROM EMERGENCY PANEL, SEE HVAC H001 FOR ADDITIONAL INFORMATION
OU-3	OUTDOOR CONDENSING UNIT	1	208 V	2	3.744		010PLSB3A	1,3	OCAC NORTH ROOFTOP	30AMP MOCP, FED FROM EMERGENCY PANEL, SEE HVAC H001 FOR ADDITIONAL INFORMATION
OU-4	OUTDOOR CONDENSING UNIT	1	208 V	2	3.744		010PLSB3A	24,26	OCAC NORTH ROOFTOP	30AMP MOCP, FED FROM EMERGENCY PANEL, SEE HVAC H001 FOR ADDITIONAL INFORMATION
P-1	CHILLED WATER LEAD	1	480 V	3	54.038	50	GNHM	7,9,11	MECHANICAL G061	FED FROM VFD-12
P-2	CHILLED WATER LAG	1	480 V	3	54.038	50	GNHM	8,10,12	MECHANICAL G061	FED FROM VFD-13
P-3	CHILLED WATER STAND-BY	1	480 V	3	54.038	50	GNHM	13,15,17	MECHANICAL G061	FED FROM VFD-14
P-4	CONDENSER WATER LEAD	1	480 V	3	43.231	40	GNHM	14,16,18	MECHANICAL 10.1.145	FED FROM VFD-15
P-5	CONDENSER WATER LAG	1	480 V	3	43.231	40	GNHM	19,21,23	MECHANICAL 10.1.145	FED FROM VFD-16
P-6	CONDENSER WATER STAND-BY	1	480 V	3	43.231	40	GNHM	20,22,24	MECHANICAL 10.1.145	FED FROM VFD-17
P-7	HOT WATER LEAD	1	480 V	3	33.254	30			MECHANICAL G061	FED FROM VFD-18
P-8	HOT WATER LAG	1	480 V	3	33.254	30			MECHANICAL G061	FED FROM VFD-19
P-9	HOT WATER STAND-BY	1	480 V	3	33.254	30			MECHANICAL G061	FED FROM VFD-20
RAC-1	REMOTE AIR CONDITIONING UNIT	1	208 V	2	3.12		010PLSB1A	14,16	IT 10.1.034	15AMP MOCP, PROVIDE LOCAL MOTOR RATED LOCKABLE DISCONNECT LOCATED NEXT TO UNIT. SEE HVAC DRAWINGS FOR ADDITIONAL INFORMATION
RAC-2	REMOTE AIR CONDITIONING UNIT	1	208 V	2	3.12		010PLSB2A	2,4	IT 10.2.013	15AMP MOCP, PROVIDE LOCAL MOTOR RATED LOCKABLE DISCONNECT LOCATED NEXT TO UNIT. SEE HVAC DRAWINGS FOR ADDITIONAL INFORMATION
RAC-3	REMOTE AIR CONDITIONING UNIT	1	208 V	2	3.12		010PLSB3A	9,11	IT 10.3.004	15AMP MOCP, PROVIDE LOCAL MOTOR RATED LOCKABLE DISCONNECT LOCATED NEXT TO UNIT. SEE HVAC DRAWINGS FOR ADDITIONAL INFORMATION
RAC-4	REMOTE AIR CONDITIONING UNIT	1	208 V	2	3.12		010PLSB3A	5,7	CRISIS PHONE ROOM 10.3.020	15AMP MOCP, CEILING MOUNTED UNIT, PROVIDE LOCAL MOTOR RATED LOCKABLE DISCONNECT LOCATED NEXT TO UNIT. SEE HVAC DRAWINGS FOR ADDITIONAL INFORMATION
RE-2	ROOF EXHAUST FAN #2	1	120 V	1	0.696	1/4	010PL1BL	43	OCAC ROOFTOP	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS. RATED AT 1HP WITH OVERLOAD PROTECTION.
RE-3	ROOF EXHAUST FAN #3	1	120 V	1	1.656	3/4	010PL3BL	4	OCAC ROOFTOP	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS. RATED AT 1HP WITH OVERLOAD PROTECTION.
RE-4	ROOF EXHAUST FAN #4	1	120 V	1	0.696	1/4			MECHANICAL 03.3.174	PROVIDE NEW, EXTEND EXISTING AS REQUIRED. BREAKER SERVING UNIT SHALL BE SIZED AT 15 AMPS. SEE HVAC DRAWINGS H003 FOR ADDITIONAL INFORMATION.
RE-5	ROOF EXHAUST FAN #5	1	120 V	1	0.864	1/3	010PLSB3A	25	OCAC ROOFTOP	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS. RATED AT 1HP WITH OVERLOAD PROTECTION.
RE-6	ROOF EXHAUST FAN #6	1	120 V	1	0.864	1/3	010PLSB2B	13	OCAC ROOFTOP	PROVIDE LOCAL MOTOR RATED DISCONNECTING MEANS. RATED AT 1HP WITH OVERLOAD PROTECTION.
RE-N2	RELIEF FAN	1	480 V	3	2.827	2			MECHANICAL 03.3.174	PROVIDE NEW CONDUIT, WIRING AND ALL TERMINATIONS FROM AND EXISTING PANEL LOCATION FOR REPLACEMENT OF UNIT. BREAKER SERVING UNIT SHALL BE SIZED AT 15 AMPS. SEE HVAC DRAWINGS H001 FOR ADDITIONAL INFORMATION.
RF-10-1	AC-1 RELIEF FAN	1	480 V	3	9.141	7.5	010MSB1A	10	MECHANICAL 10.1.145	FED FROM VFD LOCATED NEAR UNIT, PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
RF-10-2	AC-2 RELIEF FAN	1	480 V	3	9.141	7.5	010DPH2A	13,15,17	MECHANICAL 10.2.084	FED FROM VFD LOCATED NEAR UNIT, PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
RF-10-3	AC-3 RELIEF FAN	1	480 V	3	9.141	7.5	010DPH3A	13,15,17	MECHANICAL 10.3.123	FED FROM VFD LOCATED NEAR UNIT, PROVIDE VFD RATED WIRING TYPE XHHW-2 OR GREATER
SF-1	SUPPLY FAN BOILER ROOM	1	480 V	3	2.827	2			MECHANICAL G061	EXISTING REPLACED WITH NEW, PROVIDE CONDUIT, WIRING FROM NEW VFD LOCATION. PROVIDE VFD RATED CONDUCTORS FROM SECONDARY SIDE OF VFD.
UH-1	UNIT HEATER HORIZONTAL	1	120 V	1	0.1	1/15	010PL1AL	41	MECHANICAL 10.1.145	PROVIDE LOCKABLE LOCAL MOTOR RATED DISCONNECT WITH OVERLOAD PROTECTION.
UH-2	UNIT HEATER HORIZONTAL	1	120 V	1	0.1	1/15	010PL2A	54	MECHANICAL 10.2.084	PROVIDE LOCKABLE LOCAL MOTOR RATED DISCONNECT WITH OVERLOAD PROTECTION.
UH-3	UNIT HEATER HORIZONTAL	1	120 V	1	0.1	1/15	010PL3A	8	MECHANICAL 10.3.123	PROVIDE LOCKABLE LOCAL MOTOR RATED DISCONNECT WITH OVERLOAD PROTECTION.
VFD-1	AIR HANDLING UNIT VFD, AHU-10-1-1	1	480 V	3	0	15			MECHANICAL 10.1.145	VFD-1 FEEDS MOTOR 1 IN AHU-10-1-1
VFD-2	AIR HANDLING UNIT VFD, AHU-10-1-2	1	480 V	3	0	15			MECHANICAL 10.1.145	VFD-2 FEEDS MOTOR 2 IN AHU-10-1-2
VFD-3	VFD, RELIEF FAN RF-1	1	480 V	3	0	7.5			MECHANICAL 10.1.145	FEED RF-10-1
VFD-4	AIR HANDLING UNIT VFD, AHU-10-2-1	1	480 V	3	0	15			MECHANICAL 10.2.084	VFD-4 FEEDS MOTOR 1 IN AHU-10-2
VFD-5	AIR HANDLING UNIT VFD, AHU-10-2-2	1	480 V	3	0	15			MECHANICAL 10.2.084	VFD-5 FEEDS MOTOR 2 IN AHU-10-2
VFD-6	VFD, RELIEF FAN RF-10-2	1	480 V	3	0	7.5			MECHANICAL 10.2.084	FEED RF-10-2
VFD-7	AIR HANDLING UNIT VFD, AHU-10-3-1	1	480 V	3	0	15			MECHANICAL 10.3.123	VFD-7 FEEDS MOTOR 1 IN AHU-10-3
VFD-8	AIR HANDLING UNIT VFD, AHU-10-3-2	1	480 V	3	0	15			MECHANICAL 10.3.123	VFD-8 FEEDS MOTOR 2 IN AHU-10-3
VFD-9	VFD, RELIEF FAN RF-10-3	1	480 V	3	0	7.5			MECHANICAL 10.3.123	FEED RF-10-3
VFD-10	VFD, COOLING TOWER 1	1	480 V	3	0	40			MECHANICAL 10.1.145	VFD TO EXTERIOR UNIT CT-1
VFD-11	VFD, COOLING TOWER 2	1	480 V	3	0	40			MECHANICAL 10.1.145	VFD TO EXTERIOR UNIT CT-2
VFD-12	VFD, CHILLED WATER PDC	1	480 V	3	0	50			MECHANICAL G061	FEEDS PUMP P-1
VFD-13	VFD, CHILLED WATER PDC	1	480 V	3	0	50			MECHANICAL G061	FEEDS PUMP P-2
VFD-14	VFD, CHILLED WATER PDC	1	480 V	3	0	50			MECHANICAL G061	FEEDS PUMP P-3
VFD-15	VFD, CONDENSER WATER PDC	1	480 V	3	0	40			MECHANICAL 10.1.145	FEEDS PUMP P-4
VFD-16	VFD, CONDENSER WATER PDC	1	480 V	3	0	40			MECHANICAL 10.1.145	FEEDS PUMP P-5
VFD-17	VFD, CONDENSER WATER PDC	1	480 V	3	0	40			MECHANICAL 10.1.145	FEEDS PUMP P-6
VFD-18	VFD, HOT WATER PDC	1	480 V	3	0	30			MECHANICAL G061	FEEDS PUMP P-7
VFD-19	VFD, HOT WATER PDC	1	480 V	3	0	30			MECHANICAL G061	FEEDS PUMP P-8
VFD-20	VFD, HOT WATER PDC	1	480 V	3	0	30			MECHANICAL G061	FEEDS PUMP P-9
VFD-21	VFD, IP-1	1	480 V	3	0	5			MECHANICAL G061	FEEDS IP-1 MOTOR
VFD-22	VFD, IP-2	1	480 V	3	0	5			MECHANICAL G061	FEEDS IP-2 MOTOR
VFD-23	VFD, IP-3	1	480 V	3	0	5			MECHANICAL G061	FEEDS IP-3 MOTOR
VFD-24	VFD SUP FAN BOILER ROOM	1	480 V	3	0	2			MECHANICAL G061	BOILER ROOM SUP. FAN VAV, DISCONNECT AND REMOVE EXISTING, CONDUIT AND WIRING TO STARTER AND CONTROL. PROVIDE NEW WIRING FROM EXISTING PANEL/MCC LOCATION. INCLUDE TERMINATIONS TO NEW VFD AND MOTOR AS REQUIRED.
VFD-25	VFD, EXH FAN BOILER ROOM	1	480 V	3	0	2			MECHANICAL G061	BOILER ROOM EXH. FAN VAV, DISCONNECT AND REMOVE EXISTING, CONDUIT AND WIRING TO STARTER AND CONTROL. PROVIDE NEW WIRING FROM EXISTING PANEL/MCC LOCATION. INCLUDE TERMINATIONS TO NEW VFD AND MOTOR AS REQUIRED.
VFD-26	VFD, AHU-N2	1	480 V	3	0	10			MECHANICAL 03.3.174	VFD, FEEDS AHU-N2
VFD-27	VFD, RE-1	1	480 V	3	0	2			MECHANICAL 03.3.174	FEEDS RELIEF RE-N2
WCC-1	WATER COOLED CHILLER 1	1	480 V	3	490.502	500 TON			MECHANICAL G061	684 MOCP, PROVIDE CONDUIT, WIRING, AND TERMINATIONS FROM SWBD SWITCHGEAR
WCC-2	WATER COOLED CHILLER 2	1	480 V	3	490.502	500 TON			MECHANICAL G061	684 MOCP, PROVIDE CONDUIT, WIRING, AND TERMINATIONS FROM SWBD SWITCHGEAR

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NO.	DATE	REVISION

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
POWER SCHEDULES, HVAC

DESIGNED	DRAWN
RJW	MAL

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EP802

2/28/2017 4:01:28 PM

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
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	0.72	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	0.72	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	0.9	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	1.62	010PL3BR	7	OPEN OFFICE 10.3.083	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
FF-33	FURNITURE FEED	1	120 V	1	1.2	PNL 68	9	OPEN OFFICE 01.1.023	PROVIDE HARDWIRE CONNECTION TO WORKSTATION FURNITURE
FG-1	FIRE GATE	1	120 V	1	1.176	010PLEM1 A	2	LOBBY 01.1.002	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	CORRIDOR 10.1.006	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	CORRIDOR 10.1.006	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	MENS 10.1.026	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	WOMENS 10.1.027	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	CORRIDOR 10.1.028	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

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NO.	DATE	REVISION

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

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SPECIAL OUTLET SCHEDULE (CONT. 2)

CALLOUT	EQUIPMENT DESCRIPTION	COUNT	VOLTAGE	POLES	LOAD (kVA)	PANEL	CIRCUIT	LOCATION	NOTES
PA-13	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1A	4	WAITING ROOM 10.1.078	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-14	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1B	15	CORRIDOR 10.2.001	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-15	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PL2B	47	MENS 10.2.014	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-16	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PL2B	46	WOMENS 10.2.015	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-17	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1B	13	CORRIDOR 10.2.031	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-18	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1B	14	COURTROOM 10.2.021	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-19	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1B	12	COURTROOM 10.2.023	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-20	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1A	1	CORRIDOR 10.2.031	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-21	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1A	5	WAITING ROOM 10.2.033	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-22	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM1A	3	WAITING ROOM 10.2.038	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-23	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PL3BL	16	MENS 10.3.005	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-24	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PL3BL	15	CORRIDOR 10.3.001	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-25	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM3A	3	WAITING ROOM 10.3.010	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-26	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	LPBA	9	WAITING ROOM 03.1.192	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-27	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PLEM3A	5	WAITING ROOM 03.3.137	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-28	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72			COURTROOM 04.2.001	PROVIDE CONNECTION TO POWER ASSIST CONTROLLER, BOXES IN WALLS AND WIRING/TERMINATIONS FROM CONTROLLER TO EACH ASSIST BUTTON LOCATION
PA-29	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PL1BL	6	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-30	POWER ASSIST DOOR CONTROLLER	1	120 V	1	0.72	010PL1BL	7	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
PL-1	PLATFORM LIFT	1	120 V	1	1.5	010PLEM1B	9	PEDESTRIAN WALKWAY 10.1.024	PROVIDE TERMINATIONS FOR LIFT ASSEMBLY, PROVIDE SERVICE RECEPTACLE LOCATED NEAR UNIT AS REQUIRED.
PROJECTOR	PROJECTOR	1	120 V	1	0.72	PNL 4A	21	CONFERENCE ROOM 03.3.168	CEILING RECEPTACLE
RACK POWER	IT RACK POWER RECEPTACLE	1	120 V	1	1.44	010PLSB1A	19	IT 10.1.034	PROVIDE 20 AMP FEED, 5-20R DOUBLE DUPLEX RECEPTACLES IN BOX LOCATED ON TOP OF IT RACK
RACK POWER	IT RACK POWER RECEPTACLE	1	120 V	1	1.44	010PLSB1A	20	IT 10.1.034	PROVIDE 20 AMP FEED, 5-20R DOUBLE DUPLEX RECEPTACLES IN BOX LOCATED ON TOP OF IT RACK
RACK POWER	IT RACK POWER RECEPTACLE	1	120 V	1	1.5	010PLSB2A	7	IT 10.2.013	PROVIDE 20 AMP FEED, 5-20R DOUBLE DUPLEX RECEPTACLES IN BOX LOCATED ON TOP OF IT RACK
RACK POWER	IT RACK POWER RECEPTACLE	1	120 V	1	1.92	010PLSB2A	6	IT 10.2.013	PROVIDE 20 AMP FEED, 5-20R DOUBLE DUPLEX RECEPTACLES IN BOX LOCATED ON TOP OF IT RACK
RACK POWER	IT RACK POWER RECEPTACLE	1	120 V	1	1.92	010PLSB3A	18	IT 10.3.004	PROVIDE 20 AMP FEED, 5-20R DOUBLE DUPLEX RECEPTACLES IN BOX LOCATED ON TOP OF IT RACK
RACK POWER	IT RACK POWER RECEPTACLE	1	120 V	1	1.92	010PLSB3A	21	IT 10.3.004	PROVIDE 20 AMP FEED, 5-20R DOUBLE DUPLEX RECEPTACLES IN BOX LOCATED ON TOP OF IT RACK
SCAN	WALKTHROUGH SCANNER	1	120 V	1	1	010PLSB1A	2	SCREENING 10.1.003	
SCAN	WALKTHROUGH SCANNER	1	120 V	1	1	010PLSB1A	3	SCREENING 10.1.003	
TAMPER SWITCH	TAMPER 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.
TAMPER SWITCH	TAMPER 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.
TAMPER SWITCH	TAMPER 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.
VEND	VENDING MACHINE	1	120 V	1	1.44	010PL3BL	27	STAFF BREAK ROOM 10.3.002	PROVIDE GFCI BREAKER IN PANEL SERVING RECEPTACLE
VEND	VENDING MACHINE	1	120 V	1	1.44	010PL3BL	28	STAFF BREAK ROOM 10.3.002	PROVIDE GFCI BREAKER IN PANEL SERVING RECEPTACLE
VEND	VENDING MACHINE	1	120 V	1	1.44	010PL3BL	29	STAFF BREAK ROOM 10.3.002	PROVIDE GFCI BREAKER IN PANEL SERVING RECEPTACLE
X-RAY	BAGGAGE X-RAY SCANNER	1	120 V	1	1.2	010PLSB1A	22	SCREENING 10.1.003	
X-RAY	BAGGAGE X-RAY SCANNER	1	120 V	1	1.2	010PLSB1A	24	SCREENING 10.1.003	

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NO.	DATE	REVISION

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. EP804

PLUMBING EQUIPMENT SCHEDULE

CALLOUT	EQUIPMENT DESCRIPTION	COUNT	VOLTAGE	POLES	LOAD (kVA)	HORSEPOWER	PANEL	CIRCUIT	LOCATION	NOTES
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	1.008		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
HWRP-1	DOMESTIC HOT WATER CIRCULATING PUMP	1	120 V	1	0.528	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
HWRP-2	HOT WATER RECIRCULATING PUMP (EXISTING)	1	208 V	2	1.123	1/2			ELECTRICAL 03.3.172	EXISTING RELOCATED FROM HHS NORTH ROOM 03.0.036.
HWRP-3	RECIRCULATING PUMP (EXISTING)	1	208 V	3	0.865	1/2			ELECTRICAL 03.3.172	EXISTING RELOCATED FROM HHS NORTH ROOM 03.0.036.
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.
WH-1	WATER HEATER (EXISTING)	1	120 V	1	0.6				ELECTRICAL 03.3.172	EXISTING RELOCATED FROM HHS NORTH ROOM 03.0.036.
WH-2	WATER HEATER	1	120 V	1	0.6				ELECTRICAL 03.3.172	PROVIDE LOCAL LOCKABLE MANUAL MOTOR RATED DISCONNECTING MEANS AND TERMINATIONS

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NO.	DATE	REVISION

ALTERATION / ADDITION

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

DESIGNED	DRAWN
RJW	MAL

PROJECT NO. O0002-61600160

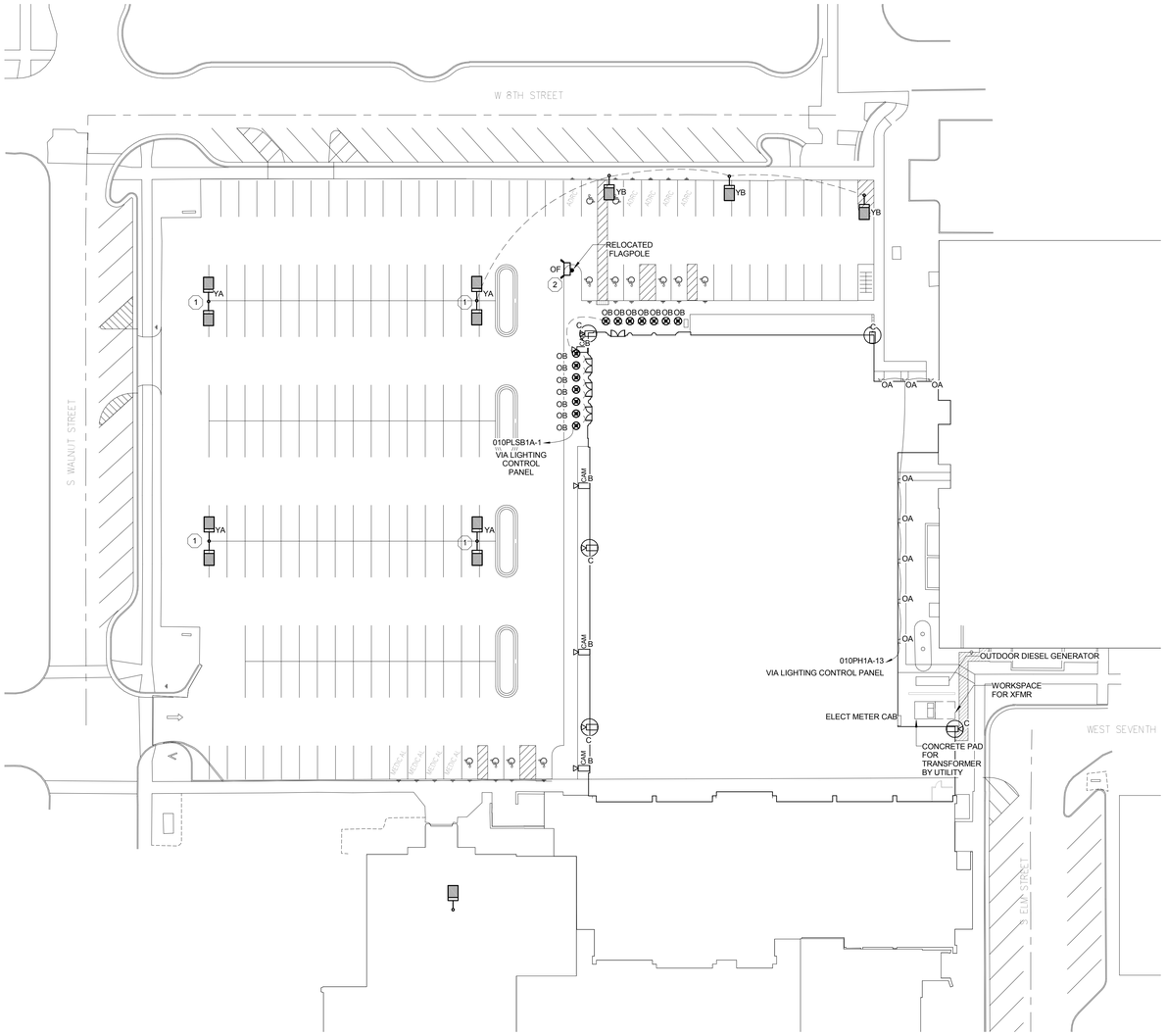
DATE MARCH 3, 2017

SHEET NO. EP805

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.

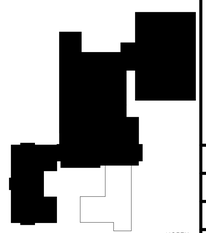
2. FLAGPOLE LIGHTING, MOUNTED ON FLAG POLE AT 9'-0" ABOVE FINISHED GRADE.



1 SITE ELECTRICAL PLAN

Scale: 1" = 30'-0"

NORTH



PLAN KEY

NORTH

McMAHON
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NO.	DATE	REVISION

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

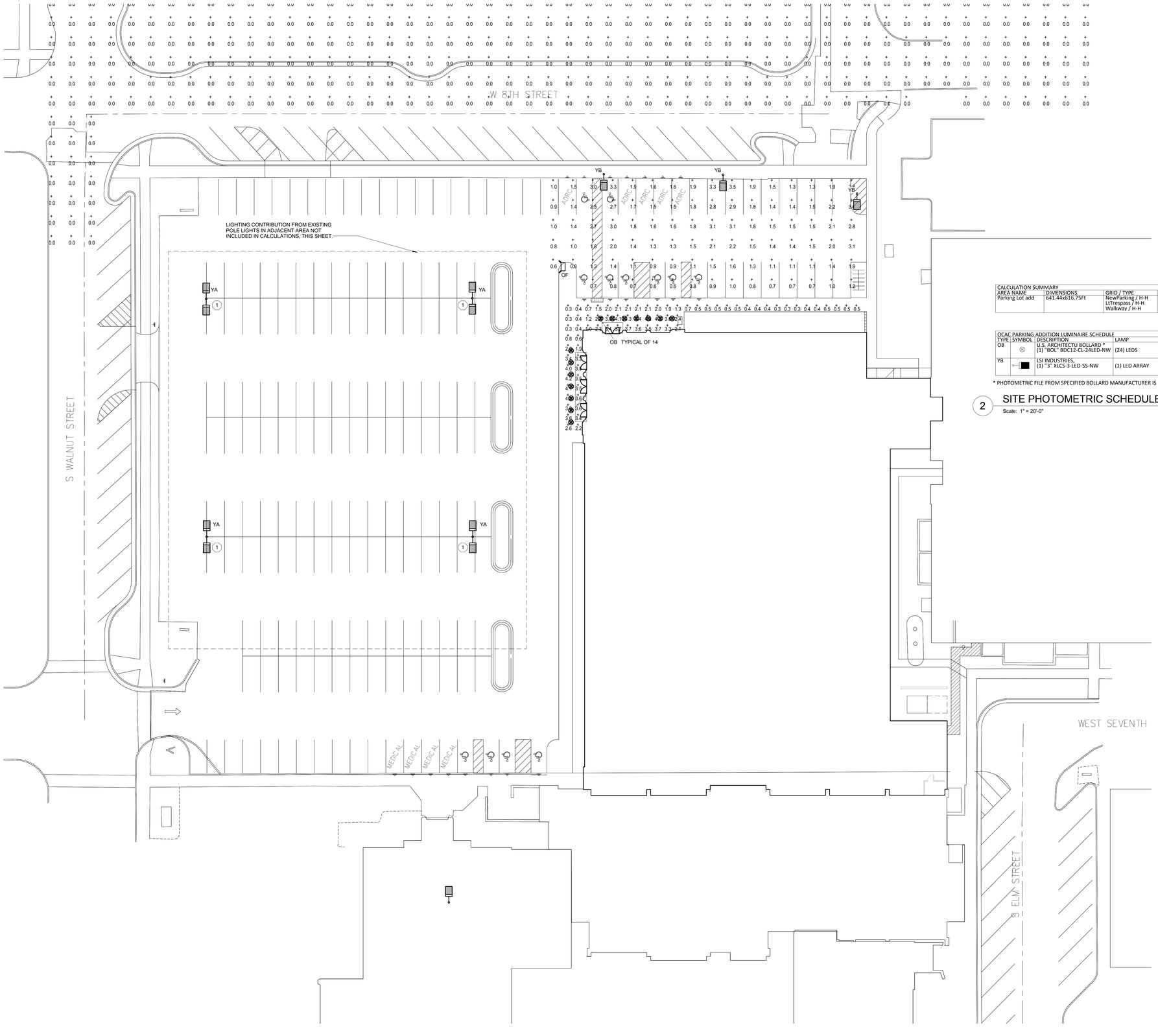
DESIGNED	DRAWN
JMM	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. ES101

2/28/2017 7:45:14 PM



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.

CALCULATION SUMMARY											
AREA NAME	DIMENSIONS	GRID / TYPE	# PTS	SPACING	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
Parking Lot add	641.44x616.75Ft	NewParking / H-H	94	10.00	<=>	1.64	3.57	0.56	6.37	2.93
		LtTrespass / H-H	337	10.00	<=>	0.00	0.03	0.00	N/A	N/A
		Walkway / H-H	74	5.00	<=>	2.09	4.35	0.27	16.23	7.81

OCAC PARKING ADDITION LUMINAIRE SCHEDULE							
TYPE	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/BALLAST	LLF	QTY
OB		U.S. ARCHITECTU BOLLARD * (1) "BOL" BDC12-CL-24LED-NW	(24) LEDS	757	LED BOLLARD - DIMMED	0.60	14
YB		LSI INDUSTRIES, (1) "3" XLCS-3-LED-SS-NW	(1) LED ARRAY	10170	30' POLE, 2' BASE	0.90	3

* PHOTOMETRIC FILE FROM SPECIFIED BOLLARD MANUFACTURER IS NOT AVAILABLE, THIS FILE WAS USED TO APPROXIMATE BOLLARD LIGHTING.

2 SITE PHOTOMETRIC SCHEDULE

Scale: 1" = 20'-0"

1 SITE ELECTRICAL PLAN PHOTOMETRIC

Scale: 1" = 20'-0"

NORTH

PLAN KEY

NORTH

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NO.	DATE	REVISION

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. ES111

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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	LED	4000 K	1	277 V	140W	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 (Nominal)
		Type 3	Type FT	Type S	Type FTE	
Drive Current	525 mA	10100	11400	8200	7800	91
	700 mA	14000	15000	11700	11000	140
	1000 mA	18700	19400	15800	15000	200
	1200 mA	21000	14700	19300	11000	245

LED Chips are frequently updated therefore values may increase.

(S) & (M) patents pending

SMARTETTE™ - 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 2" reduced drilling pattern. A round pole plate is required for mounting to round poles. Wall mount available by ordering wall mounting bracket (BKO-800-WM-^-CLR). Proprietary pole quick mount accessories available with horizontal mounting or fixed 15° angled mounting (PQMH-477-CLR and PQM15-477-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 (PCI) 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 compliant · IEC Ed 2 Safety · UL and CSA Safety · RoHS compliant · CE · CSA · FC · IP65

Fixtures comply with ANSI C136.31-2004 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 1 Short 3 - Type 3 FT - Forward Throw IE - Type V Enhanced FTE - Forward Throw Enhanced	LED HO - High Output	SS - Super Saver 50 - 525ma 70 - 700ma 100 - 1000ma 120 - 1200ma	50 - 5000K 40 - 4000K	UE - Universal Voltage (120-277V) HV - 347-480 Universal Voltage (347-480V)	BLK - Black BRZ - Bronze WHT - White	DIM - 0-10V Dimming (from external signal) PCR - Photocell - Dusk/Dawn RCLS - 1-250w PCDSB-277V - 208-277V PCDA1 - 347V IL - Internal Louver (available with FT distribution only)

LUMINAIRE EPA CHART - PLCS

Decorator Mounting Style	EPA
Single	0.4
D180°	0.8
D90°	0.6
T90°	1.0
TN120°	1.4
QN90°	1.6

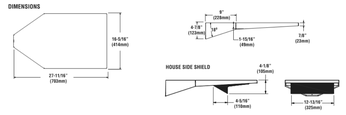
Note: House Side Shield adds to future EPA. Consult Factory.

ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number	Description	Order Number
BKS-800-WM^-CLR- Wall Mount Bracket	3821EDLA	PQCT- Single Fusing (277V)	HQCT*
PLCS-277-HVG7 (Blue pin)	9327HSLA	PCDSB_DM- Double Fusing (208L-240V)	2PCDB_DM*
LGRPP Round Pole Plate for 2" IC/P Poles	4082SLLA	DFA480- Double Fusing (480V)	2FA480*
LGRPS Round Pole Plate for 3" Poles	1960CLLA	PQCT- Single Fusing (347V)	PQCT*
LGRPSP- Square Pole Plate for 3" Poles	1960SLLA	PQM14-477-CLR- Square Pole Quick Mount Horizontal Bracket	3821EDLA
HCCD- Single Fusing (120V)	1912ST	PQM15-477-CLR- Square Pole Quick Mount Bracket w/Rear 15° Angle	3821EDLA

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
	NW-HSS	8439	146	58	B2-U0-G2
SS	CW	10,126	97	105	B3-U0-G2
	NW	9719	97	101	B3-U0-G2

XLCS - Type SE

Drive Current	Color Temp. *	Lumens	Watts	LER	BUG Rating
HO	CW	11,581	146	79	B4-U0-G2
	NW	10,996	146	75	B4-U0-G2
SS	CW	8202	96	85	B3-U0-G2
	NW	7908	96	82	B3-U0-G2

XLCS - Type 5

Drive Current	Color Temp. *	Lumens	Watts	LER	BUG Rating
HO	CW	15,674	138	113	B4-U0-G2
	NW	15,184	146	104	B4-U0-G2
SS	CW	11,649	96	119	B3-U0-G2
	NW	10,782	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	7693	96	79	B1-U0-G2
	NW-HSS	5517	96	57	B1-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	17,489	139	90	B1-U0-G2
	CW-IL	14,384	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	8099	96	85	B1-U0-G2
	CW-IL	10,508	96	109	B2-U0-G2
	NW	10,410	96	108	B2-U0-G2
	NW-HSS	7699	99	78	B1-U0-G2
	NW-IL	9328	98	95	B2-U0-G2

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

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

LitePro

Photometric Data Summary

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

LUMINAIRE: XLCS-3-LED-SS-NW

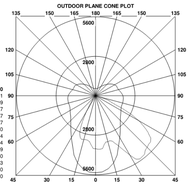
BALLAST:
BALLAST FACTOR: 1.00
LAMPS:
LUMENS PER LAMP: 10170
WATTS: 97
CUTOFF TYPE: Full Cutoff
RANGE CLASS: Very Short Range
LUMINOUS OPENINGS IN FEET
WIDTH: 1.28
LENGTH: 1.28
HEIGHT: 0.00

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

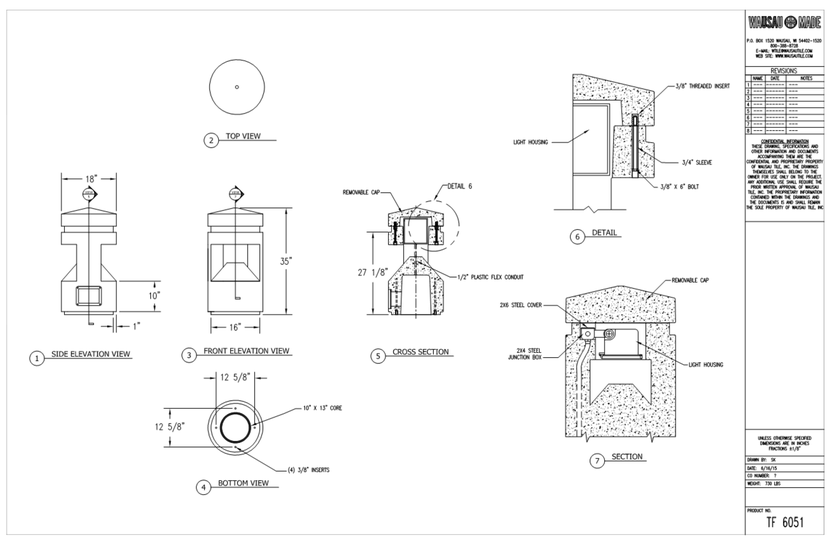
CANDELA SUMMARY

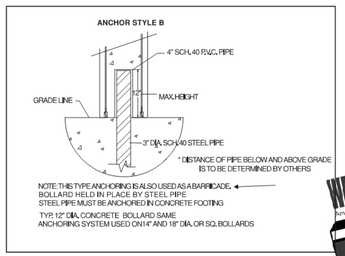
ANGLE	0.0	35.0	85.0	125.0	180.0
0.0	3751	3751	3751	3751	3751
7.5	3769	3717	3507	3314	3289
15.0	3366	3156	2846	2626	3217
22.5	3665	2950	2221	2258	2937
30.0	4671	3072	1983	1799	1327
37.5	5427	3017	2048	1251	370
45.0	5194	2918	2363	622	274
52.5	4933	3102	2576	258	94
60.0	3566	2807	2974	141	69
67.5	1225	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.





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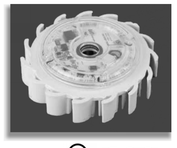
Wausau Tile

LED Modules



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. / 1.12in
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:	-23°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) 23 (23 Watt)	30 (3000K) 40 (4000K)	120 - (120VAC)	M (Line Voltage Surge Protection Installed)

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

D-Series Size 1
LED Flood Luminaire

Catalog Number
Notes: MOUNTED ON FLAG POLE
Type: OF

Specifications

EPA: 0.6 ft² (0.05 m²)
Depth: 3-1/8" (8 cm)
Width: 8-7/8" (22.4 cm)
Height: 7-3/4" (19.6 cm)
Overall Height 12" (30.5 cm)
Weight: 7.2 lbs (3.3 kg)

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.

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 Mutlti-spot MFL Medium flood FL Flood WFL Wide Flood NFR Wide Flood, horizontal VWF Vertical Wide Flood	MVOLT 120 1 208 1 240 1 277 1 347 1	**Shipped included** THK Knuckle with 1/2"NPS threaded pipe FS Integral dogfeeder (accepts 3/4"O.D. tenon) TRCU3 Tree cover, for 1-2 lb cast **Shipped separately** DSXF1 LF2 Snoop dogfeeder (2-3/8"O.D. PIPE required) FTS-15A Snoop dogfeeder (accepts 2-3/8"O.D. tenon. FIELD required)	**Shipped installed** PE Photocontrol, button style 2 PER Photocontrol external threaded adjustable 2 SF Single fuse (120, 277, 347V) 2 DF Double fuse (208, 240V 2) DMG 0-10V dimming driver (no shielding) **Shipped separately** UBV Upper/bottom visor (universal) FV Full visor VG Vandal guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White

Accessories

Ordered and shipped separately.

DSXF1 LF2 DDBXD U Adapter for 2-3/8" O.D. tenon, round pole, for use with single fixture. Finish as shown.
PIRHS DDBXD U Field installed, 2-3/8" O.D tenon, type HS, finish as shown.
FTPI DDBXD U Knuckle with tenon, 2-3/8" O.D tenon (specify finish).
DSXF1LBW DDBXD U Upper/bottom visor accessory (specify finish).
DSXF1FVDDBXD U Full visor accessory (specify finish).
DSXF1VG U Vandal guard accessory.

For more mounting options, visit our "Trunnion/Yoke" accessories pages.

Stock configurations are offered for shorter lead times:

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

NOTES
1. MVOLT driver operates on the voltage from 120-277V. Specify voltage when ordering with fusing, DF, DFL or photo control (PE, PER).
2. Also available as accessories, see accessories section for ordering info.
3. Rated 25C maximum ambient for performance package P2. Specify PER for higher ambient applications.
4. Higher ambient (40C, 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.

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, within manufacturer specifications. Actual lumen output may differ by +/- 10% depending on fixture configuration and application. 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)	Lumens (4K) 25°C			Lumens (5K) 25°C			Lumens (4K) 40°C		
			Type 3	Type 5	Type 5W	Type 3	Type 5	Type 5W	Type 3	Type 5	Type 5W
P1	21W	525	2,411	2,411	2,411	2,411	2,411	2,411	2,411	2,411	2,411
		700	3,187	3,187	3,187	3,187	3,187	3,187	3,187	3,187	3,187
		1000	4,179	4,179	4,179	4,179	4,179	4,179	4,179	4,179	4,179
		1200	4,779	4,779	4,779	4,779	4,779	4,779	4,779	4,779	4,779
P2	42W	525	4,822	4,822	4,822	4,822	4,822	4,822	4,822	4,822	4,822
		700	6,374	6,374	6,374	6,374	6,374	6,374	6,374	6,374	6,374
		1000	8,358	8,358	8,358	8,358	8,358	8,358	8,358	8,358	8,358
		1200	9,558	9,558	9,558	9,558	9,558	9,558	9,558	9,558	9,558

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

0°C	1.21
10°C	1.11
20°C	1.07
25°C	1.00
30°C	0.97
40°C	0.93

Projected LED Lumen Maintenance
Data references the extrapolated performance projections for D-Series Size 1 in 25°C ambient. Based on 25,000 hours of LM-80 testing (testing duration 75,000 hours) and projected per IESNA TM-21-11.

To calculate L70 use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other operating hour values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.97	0.94	0.89

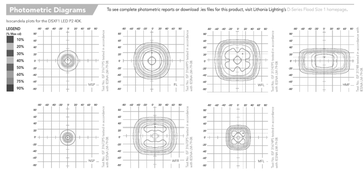
Electrical Load

System Watts	Current	Current (A)				
		120	208	240	277	347	480
P1	21W	0.18	0.1	0.09	0.08	0.07	
P2	42W	0.35	0.19	0.16	0.15	0.12	

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 P2 40K.



Mounting, Options and Accessories

THK - Knuckle with 1/2" NPS threaded pipe · **FS(12) - Tube with 3/8 cast** · **IL - Integral dogfeeder** · **UBV - Upper/bottom visor** · **FV - Full visor** · **VG - Vandal guard**

FEATURES & SPECIFICATIONS

INTENDED USE
The clean design lines 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
Die-cast 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 further optimize operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants using a tempered glass lens/IP66. Low EPA (0.6 ft²) for optimized wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior color retention and durability. Finish meets 5,000 hours salt fog rating per ASTM process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS
A variety of precision-molded vacuum-metallized specular reflectors are engineered for superior performance and maximum uplight. Optics are rated for 25°C ambient operating temperature. Meets ANSI C136.31-2004 (+/- or 5000K CCT/CRI min.) configurations. Optional visors offer additional versatility.

ELECTRICAL
Driver is a minimum control of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life (100,000 hrs. L80). Single engine unit uses a Class 2 electronic driver; dual engine unit uses a Class 1 electronic driver. Both drivers have a minimum PF of 0.90 and THD of 20% or less. Optional two-stage surge protection meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Fixture mounts to standards with 1/2-NPS threaded pipe, tenon slipfitter, or integral slipfitter. Knuckle quick and easy installation to a variety of mounting problems. 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 listed for 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/terms-conditions-of-sale

Note: Actual performance may differ as a result of end-user environment and application. All values are nominal based on data collected under laboratory conditions at 25 °C. Specifications subject to change without notice.

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

NO.	DATE	REVISION

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. ES801

2/28/2017 7:45:17 PM
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COM*check* Software Version 4.0.5.2

Exterior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title:
Project Type: Addition
Exterior Lighting Zone: 2 (Neighborhood business district)

Construction Site:
S. Walnut St. and W. 8th Street
Appleton, WI 54911

Owner/Agent:

Designer/Contractor:
Nancy Kanter, LC
Faith Technologies, Inc.
201 Main St., Suite 1
Menasha, WI
920 751 9928
nancy.kanter@faithtechnologies.com

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Parking area	12012 ft2	0.06	Yes	721	420
Main entry	18 ft of door width	20	Yes	360	182
Other door (not main entry)	6 ft of door width	20	Yes	120	140
			Total Tradable Watts* =	1201	742
			Total Allowed Watts =	1201	
			Total Allowed Supplemental Watts** =	600	

* Wattage tradeoffs are only allowed between tradable areas/surfaces.
** A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Parking area (12012 ft2): Tradable Wattage				
LED 1: YB: FULL CUTOFF TYPE 3 POLE MTD: LED Roadway-Parking Unit 130W:	1	3	140	420
Main entry (18 ft of door width): Tradable Wattage				
LED 2: OB: CONCRETE BOLLARDS: LED Other Fixture Unit 16W:	1	14	13	182
Other door (not main entry) (6 ft of door width): Tradable Wattage				
LED 3: OF: FLAG POLE LIGHT: LED Other Fixture Unit 16W:	1	1	21	21
LED 4: OA: FULL CUTOFF WALLPACK: LED Other Fixture Unit 16W:	1	7	17	119
			Total Tradable Proposed Watts =	742

Section 4: Requirements Checklist

Lighting Wattage:

☒ 1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.
Compliance: Passes.

Controls, Switching, and Wiring:

N/A ☐ 2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
☒ 3. Lighting not designated for dusk-to-dawn operation is controlled by either a a photosensor (with time switch), or an astronomical time switch.
☒ 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
☒ 5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

Exterior Lighting Efficacy:

☒ 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

N/A *Exceptions:*
☐ Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
☐ Lighting that is specifically designated as required by a health or life safety statue, ordinance, or regulation.
☐ Emergency lighting that is automatically off during normal building operation.
☐ Lighting that is controlled by motion sensor.

Section 5: Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COM*check* Version 4.0.5.2 and to comply with the mandatory requirements in the Requirements Checklist.

Nancy Kanter, LC Lighting Designer — Name - Title
Signature
02-28-2017 — Date

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NO.	DATE	REVISION

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

DESIGNED	DRAWN
CEH	MAL

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. ES802