2/28/2017 4:01:37 PM

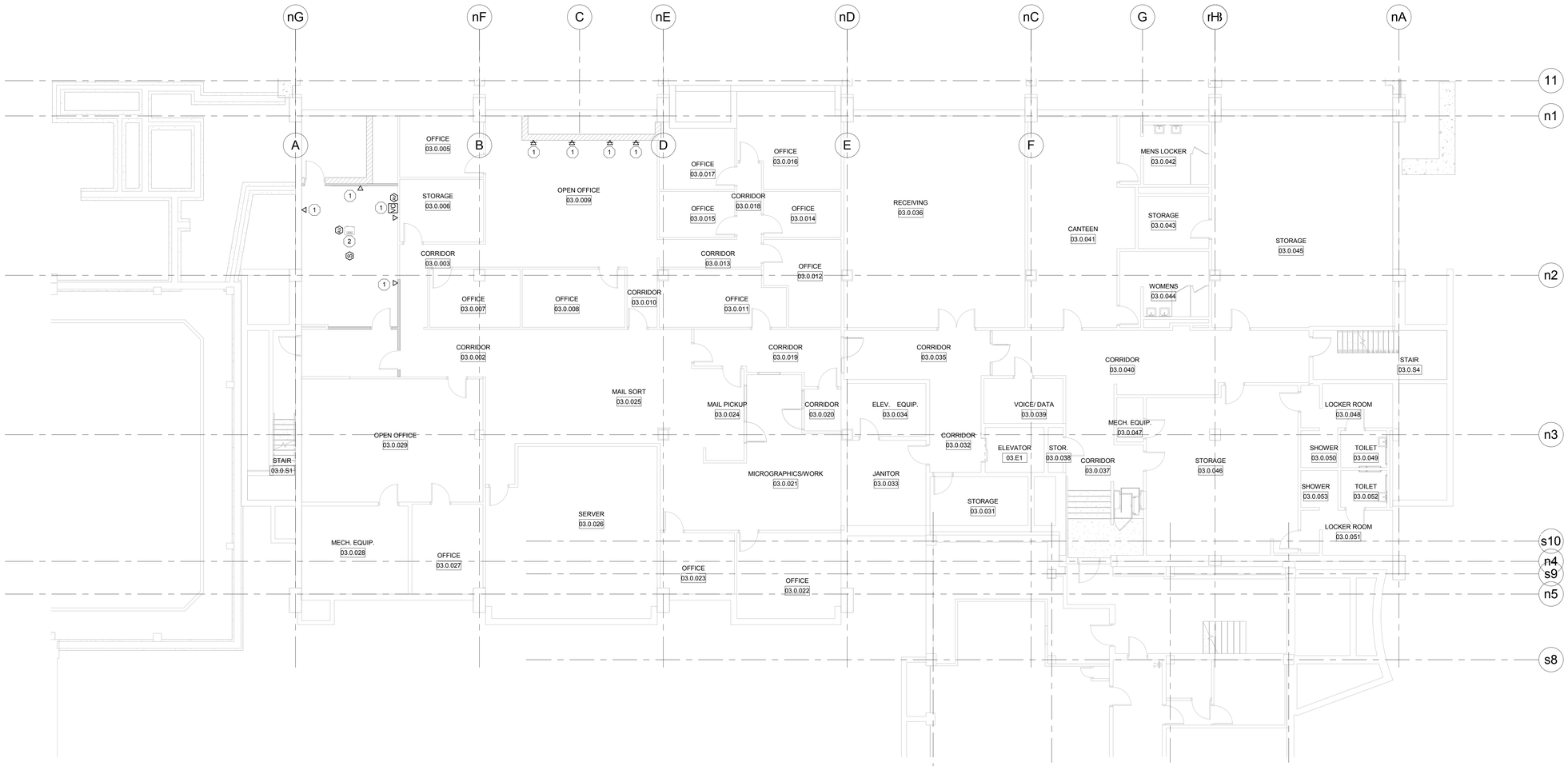
GENERAL NOTES:

A. UNLESS OTHERWISE INDICATED EXISTING TO REMAIN.

PLAN NOTES: (#)

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

2. NEW LOCATION FOR RELOCATED ITEMS FROM ED229.




1 LEVEL 780.00 LV SYSTEMS PLAN-HHS NORTH

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

PLAN KEY

NORTH


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



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


REVISION | DATE | NO.

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

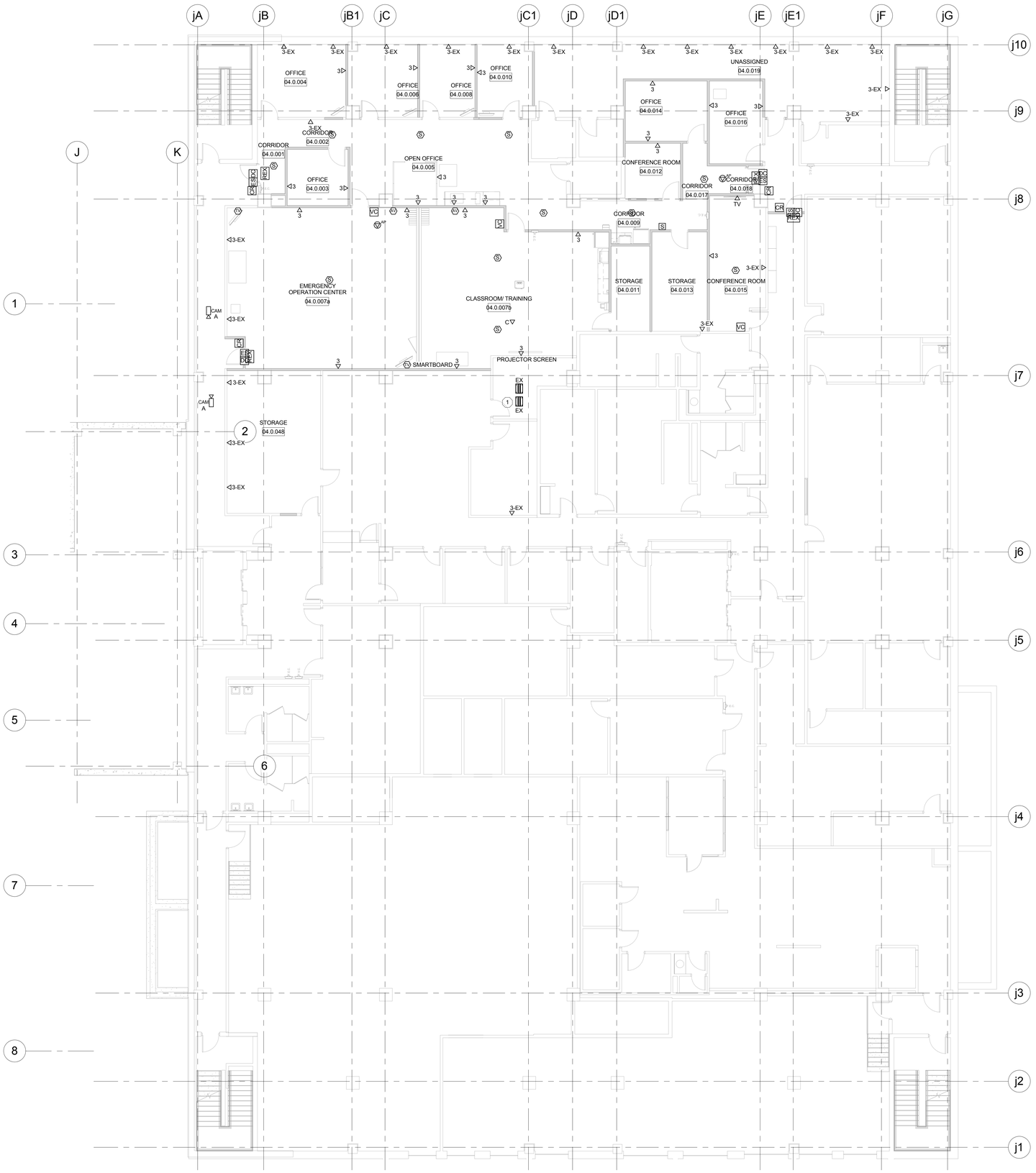
| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY229

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt




1 LEVEL 780.00 LV SYSTEMS PLAN-JUSTICE CENTER

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

GENERAL NOTES:

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

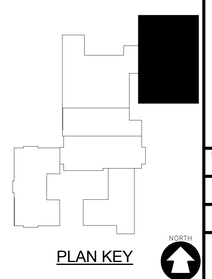
B. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

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

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

PLAN NOTES: (#)

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



PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: 7601 University Ave. Suite 201 Middleton, WI 53562
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all information in any form as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the terms and conditions set forth herein to indemnify and hold McMahon harmless from any claims or liability for changes made to the original drawing or data without prior written consent of McMahon.

REVISION | DATE | NO.

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

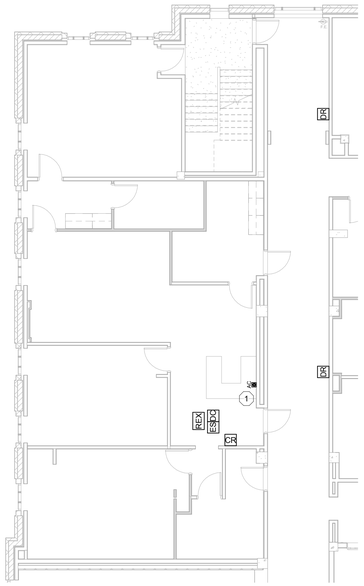
DATE
MARCH 3, 2017

SHEET NO.
EY230

2/28/2017 4:01:41 PM

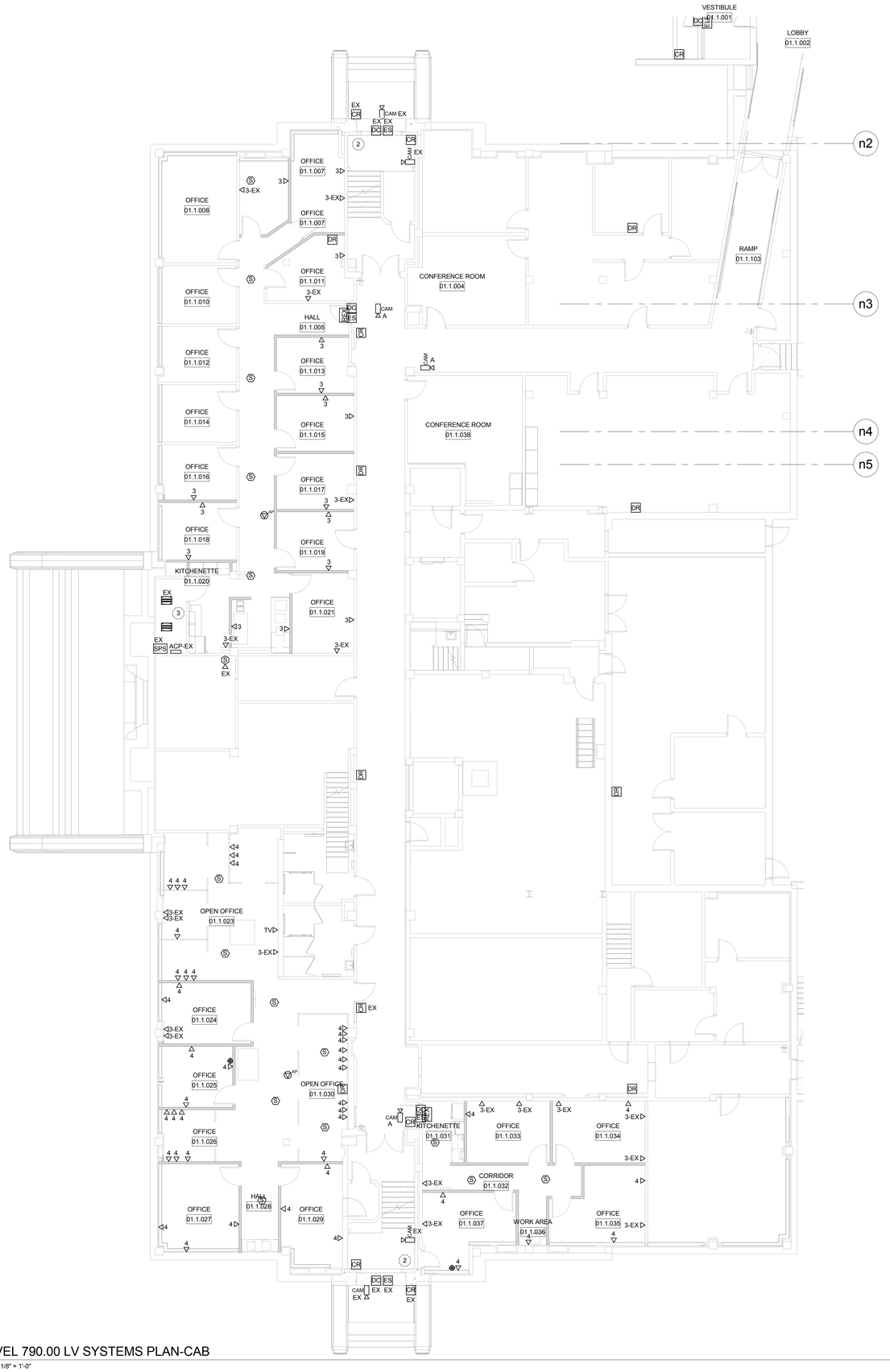
C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:01:45 PM



1 LEVEL 820.00 LV SYSTEMS PLAN-CAB

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




2 LEVEL 790.00 LV SYSTEMS PLAN-CAB

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

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

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

PLAN NOTES: (#)

1. PROVIDE WIRELESS DOOR RELEASE FOR CARD ACCESS DOOR
2. PROVIDE LOCAL ALARM.
3. EXISTING TELECOMMUNICATIONS IDF ROOM. PROVIDE NEW RACK IN FRONT OF EXISTING RACK.


McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: (608) 241-8525 FED ID# 39-1454755
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com



McMahon provides this drawing and design concept for the use of the owner as instrument of service. All rights including copyrights are reserved by McMahon. The owner and/or recipient agrees to the terms and conditions stated in the contract and to indemnify and hold McMahon harmless for misuse of or changes made to the original drawing or data without prior written approval by McMahon.


| NO. | DATE | REVISION |
|---|---|---|

ALTERATION / ADDITION

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY231

PLAN KEY

C:\Revit Projects\16_1108 OCAC_Elec_marson.rvt

2/28/2017 4:01:50 PM

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

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

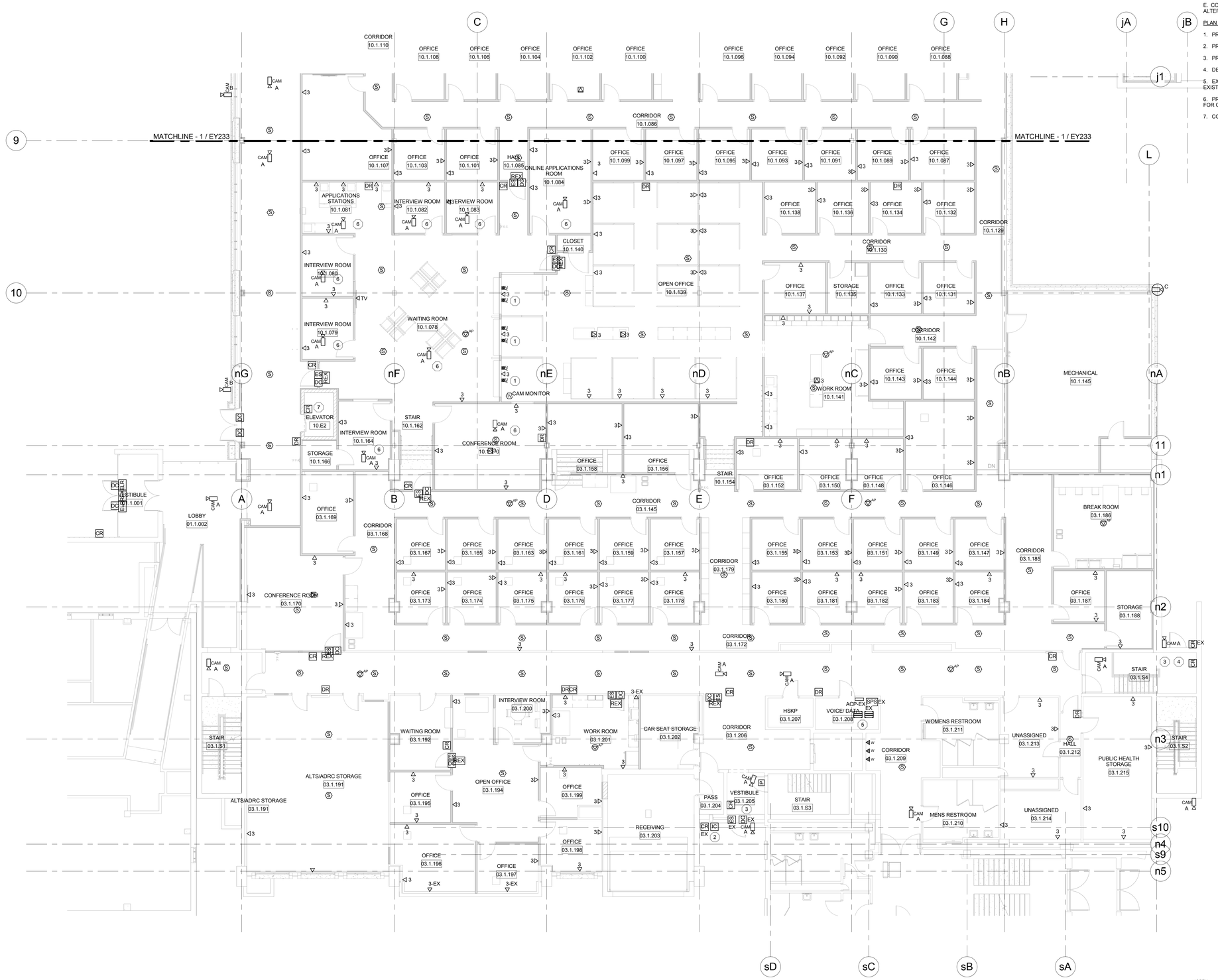
C. PROVIDE LOW VOLTAGE WIRING FROM POWER ASSIST CONTROLLER TO PUSH PADS AT POWER ASSIST DOORS. SEE POWER PLANS FOR POWER ASSIST DOORS.

D. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

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

PLAN NOTES: (#)

1. PROVIDE WIRELESS DOOR RELEASE BUTTONS FOR DOORS 10.1.085 AND 10.1.162
2. PROVIDE VIDEO INTERCOM STATION.
3. PROVIDE LOCAL ALARM.
4. DEMO EXISTING REQUEST TO EXIT.
5. EXISTING TELECOMMUNICATIONS IDF ROOM. PROVIDE NEW RACK NEXT TO EXISTING RACK.
6. PROVIDE CABLING ONLY FOR THIS CAMERA LOCATION. PROVIDE UNIT PRICING FOR CAMERAS IN BID.
7. COORDINATE INSTALLATION OF CARD READER WITH ELEVATOR CONTRACTOR.




1 LEVEL 790.00 LV SYSTEMS PLAN-HHS NORTH/OCAC SOUTH

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

NORTH

PLAN KEY

NORTH


McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 (608) 241-8371 Milwaukee, WI 53233 (414) 431-1005
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com



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


| NO. | DATE | REVISION |
|---|---|---|
| | | |

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY232

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:01:55 PM

GENERAL NOTES:

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

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

C. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

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

PLAN NOTES: (#)

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

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

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

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

5. PROVIDE WIRELESS DOOR RELEASE FOR DOORS 10.1.007, AND 10.1.038.

6. PROVIDE LOCAL ALARM.

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

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

PLAN KEY

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI Office: (608) 241-8371 Milwaukee, WI Office: (414) 727-2055
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (a) indemnify and hold McMahon harmless from claims arising from changes made to the original drawing or data and (b) prior written approval by McMahon.

| NO. | DATE | REVISION |
|---|---|---|

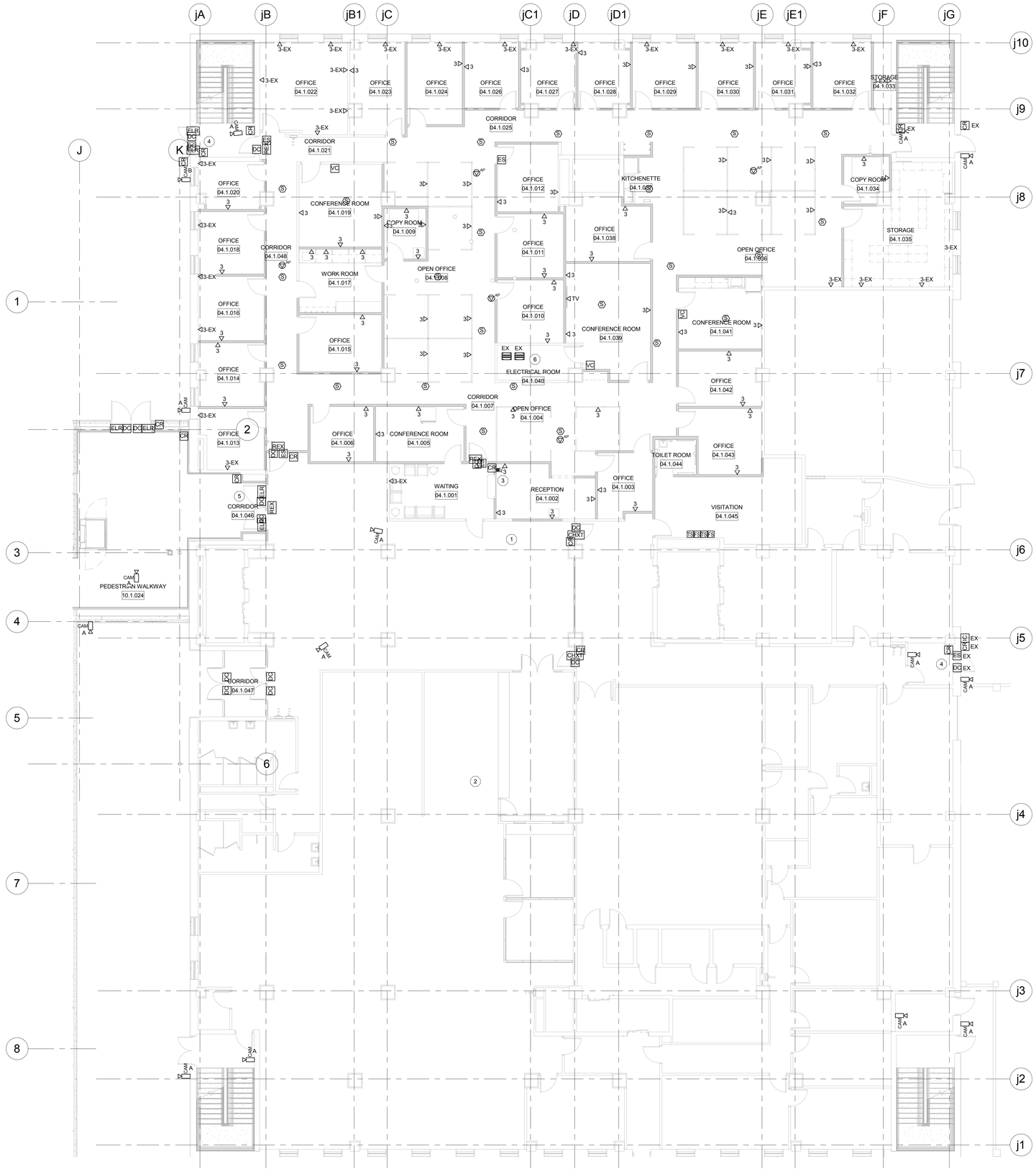
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S.WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 LV SYSTEMS PLAN-OCAC NORTH

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

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

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:01:59 PM




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

NORTH

PLAN KEY

NORTH

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

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

PLAN NOTES: (#)

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

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

3. PROVIDE WIRELESS DOOR RELEASE PUSHBUTTON FOR DOOR 04.1.004

4. PROVIDE LOCAL ALARM.

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

6. EXISTING TELECOMMUNICATIONS IDF ROOM.

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

McMahon provides this drawing and design solely for the purpose as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the limitations stated herein and agrees to indemnify and hold McMahon harmless against claims arising from changes made to the original drawing or data without prior written approval by McMahon.

| NO. | DATE | REVISION |
|---|---|---|

ALTERATION / ADDITION

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY234

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:05 PM

GENERAL NOTES:

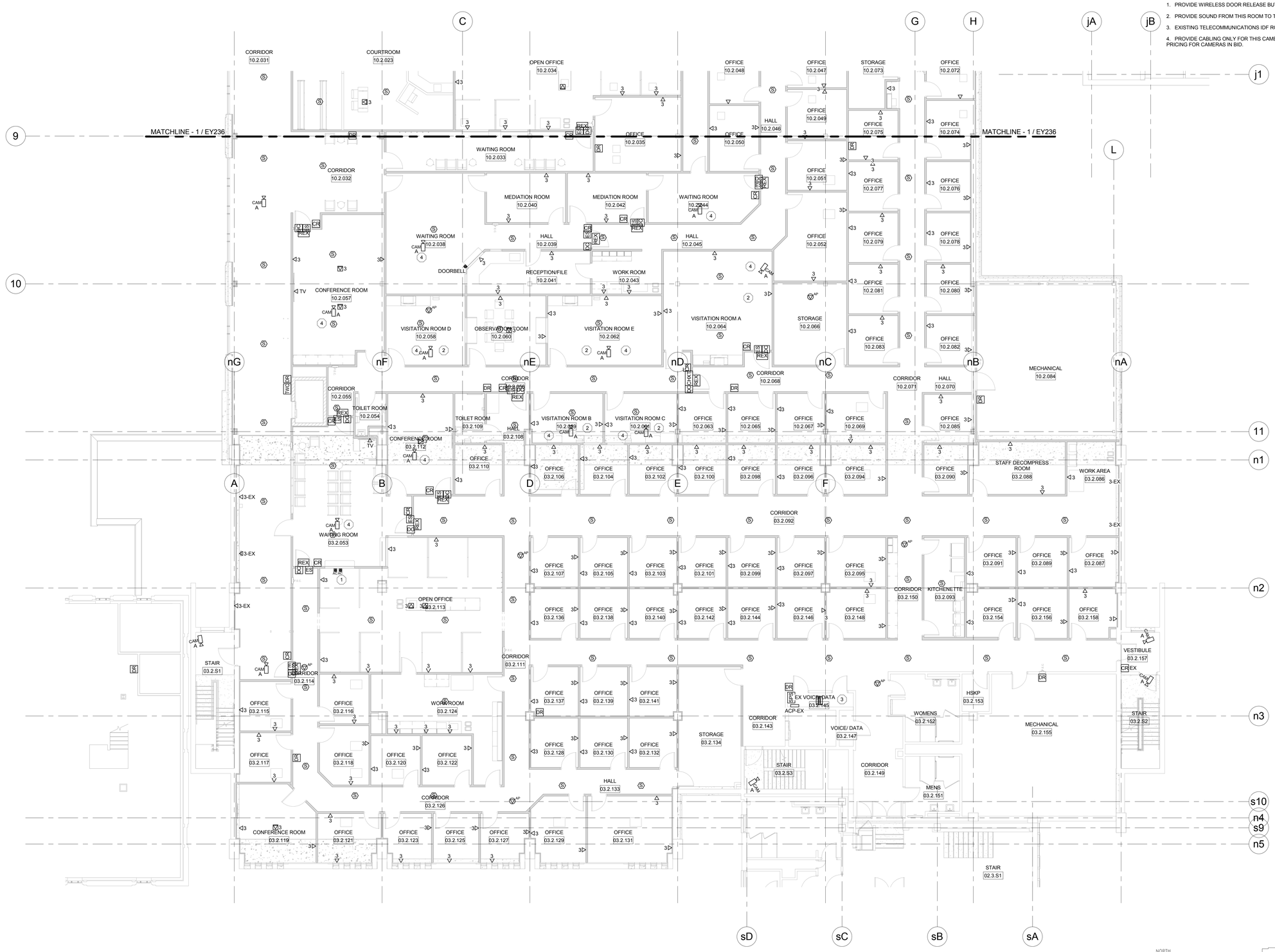
A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

B. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

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

PLAN NOTES: (#)

1. PROVIDE WIRELESS DOOR RELEASE BUTTON FOR DOORS 3.2.114 AND 3.2.092
2. PROVIDE SOUND FROM THIS ROOM TO THE OBSERVATION ROOM.
3. EXISTING TELECOMMUNICATIONS IDF ROOM.
4. PROVIDE CABLING ONLY FOR THIS CAMERA LOCATION. PROVIDE UNIT PRICING FOR CAMERAS IN BID.




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

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

NORTH

PLAN KEY

NORTH


McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53704 DOUGLAS, AK 99824
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com



McMahon provides this drawing and/or electronic file "as is" as instrument of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the extent permitted by law to indemnify and hold McMahon harmless from any reuse or changes made to the original drawing or data without prior written permission from McMahon.


REVISION | DATE | NO.

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY235

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:09 PM

GENERAL NOTES:

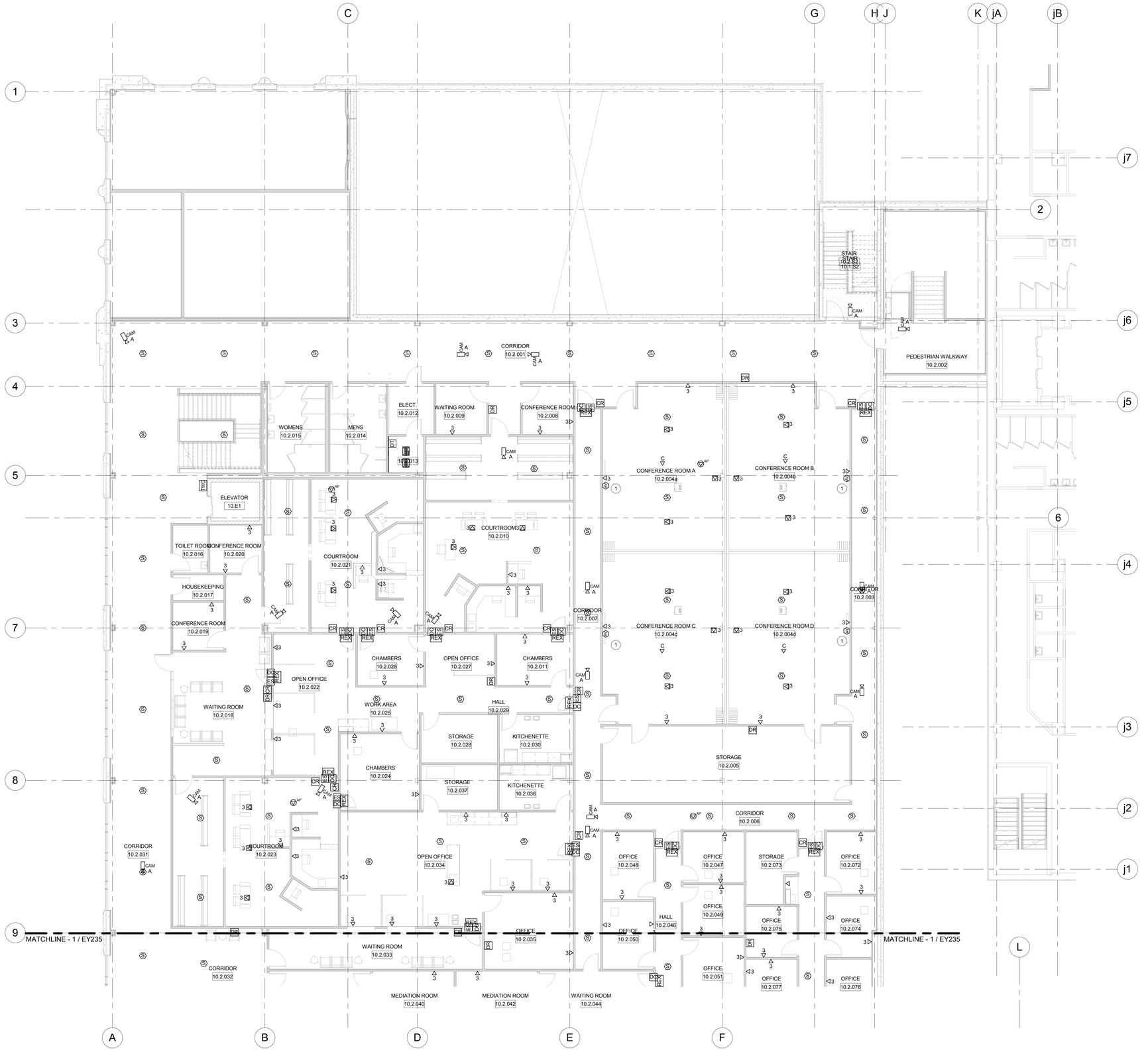
A. PROVIDE LOW VOLTAGE WIRING FROM POWER ASSIST CONTROLLER TO PUSH PADS AT POWER ASSIST DOORS. SEE ELECTRICAL PLANS FOR POWER ASSIST DOORS.

B. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

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

PLAN NOTES: (#)

1. A/V LOCATIONS COORDINATE WITH PROJECTORS LOCATED IN CONFERENCE ROOMS AND CONTAIN HDMI, VGA, AUDIO AND COMPONENT VIDEO CABLES.




1 LEVEL 805.00 LV SYSTEMS PLAN-OCAC NORTH

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

NORTH

PLAN KEY

NORTH

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

McMahon provides this drawing as instruments of service. All rights including copyrights are reserved. The recipient agrees to the limitations and to indemnify and hold McMahon harmless from reuse of or changes made to the original drawing or data without prior written consent with McMahon.

NO. | DATE | REVISION

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

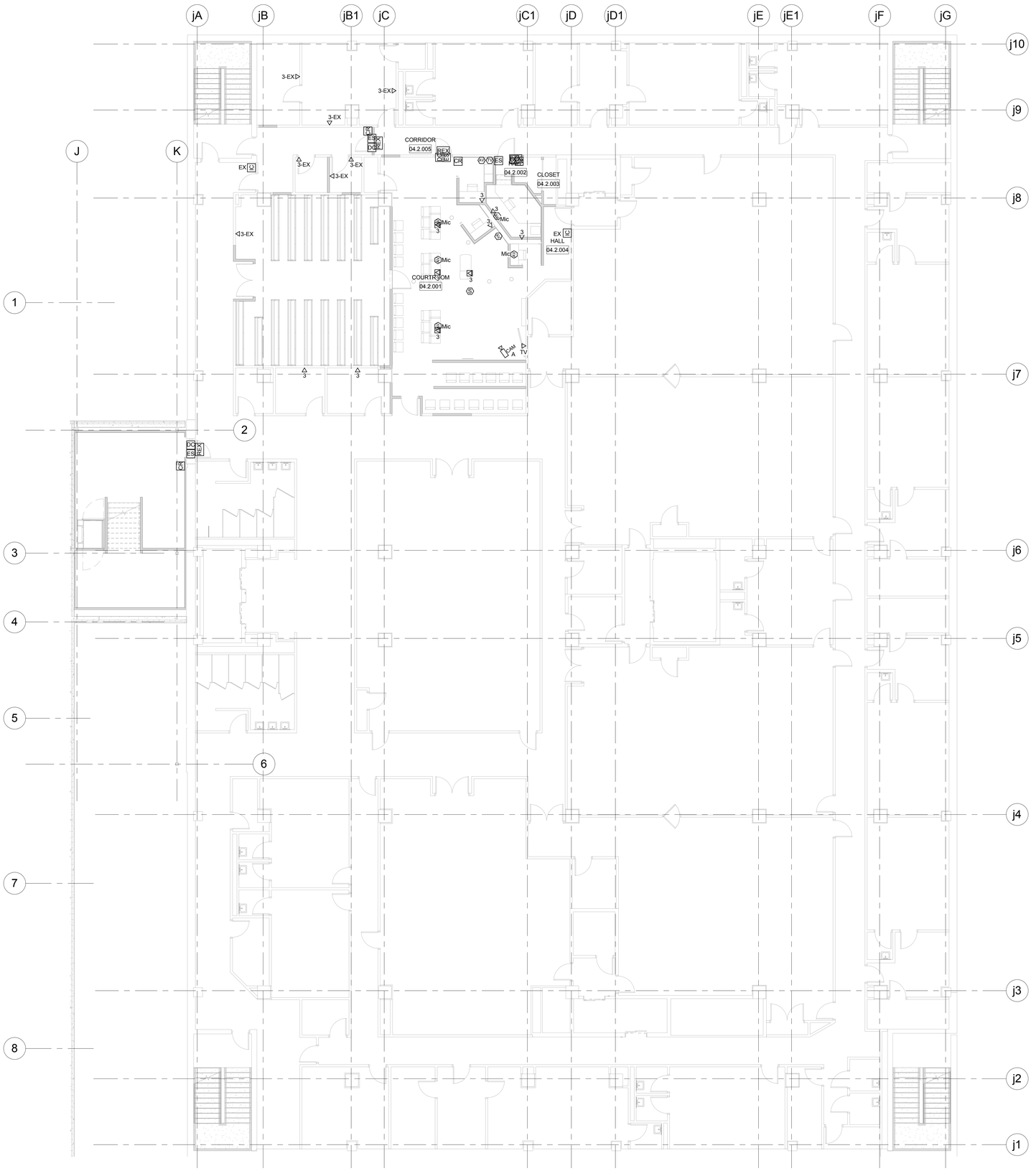
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY236

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:13 PM




1 LEVEL 805.00 LV SYSTEMS PLAN-JUSTICE CENTER

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

NORTH

GENERAL NOTES:

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

B. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

C. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

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

PLAN KEY

NORTH

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

McMahon provides this drawing and digital data solely for the use of the named project as instrument of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or changed or used on any other project without McMahon's prior written consent.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY237

C:\Revit Projects\16_1108 OCAC_Elec_mainson.rvt

2/28/2017 4:02:19 PM

GENERAL NOTES:

A. REUSE EXISTING SPEAKERS AND VOLUME CONTROLS WHERE FEASABLE.

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

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

D. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

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

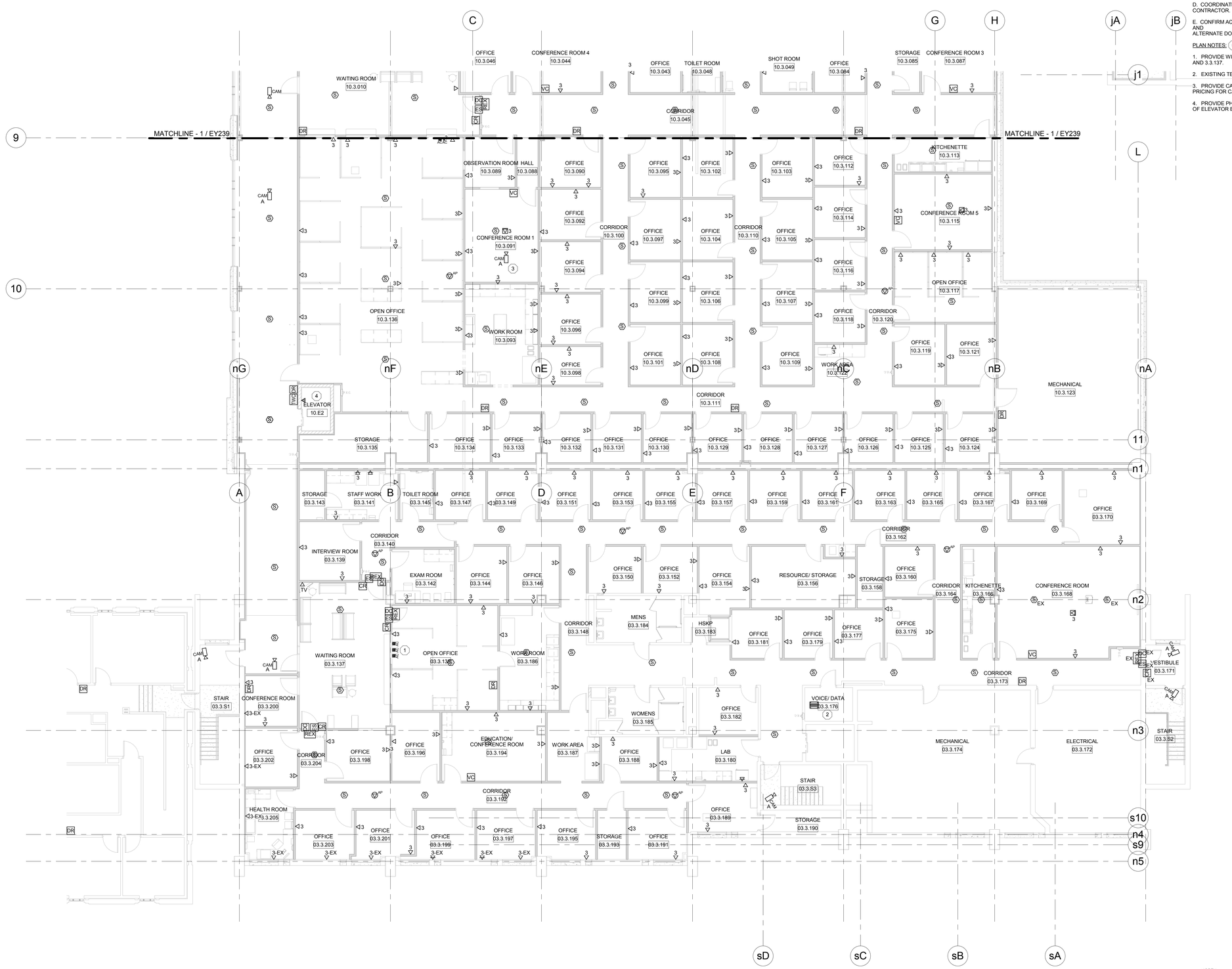
PLAN NOTES: (#)

1. PROVIDE WIRELESS DOOR RELEASE BUTTONS FOR DOORS 3.3.140, 3.3.138 AND 3.3.137.

2. EXISTING TELECOMMUNICATIONS IDF ROOM.

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

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




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

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

NORTH

PLAN KEY

NORTH


McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 204-0303 Milwaukee (414) 727-9505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com



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


REVISION | DATE | NO.

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY238

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:24 PM

GENERAL NOTES:

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

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

C. COORDINATE FLOOR BOXES AND RACEWAYS WITH ELECTRICAL CONTRACTOR.

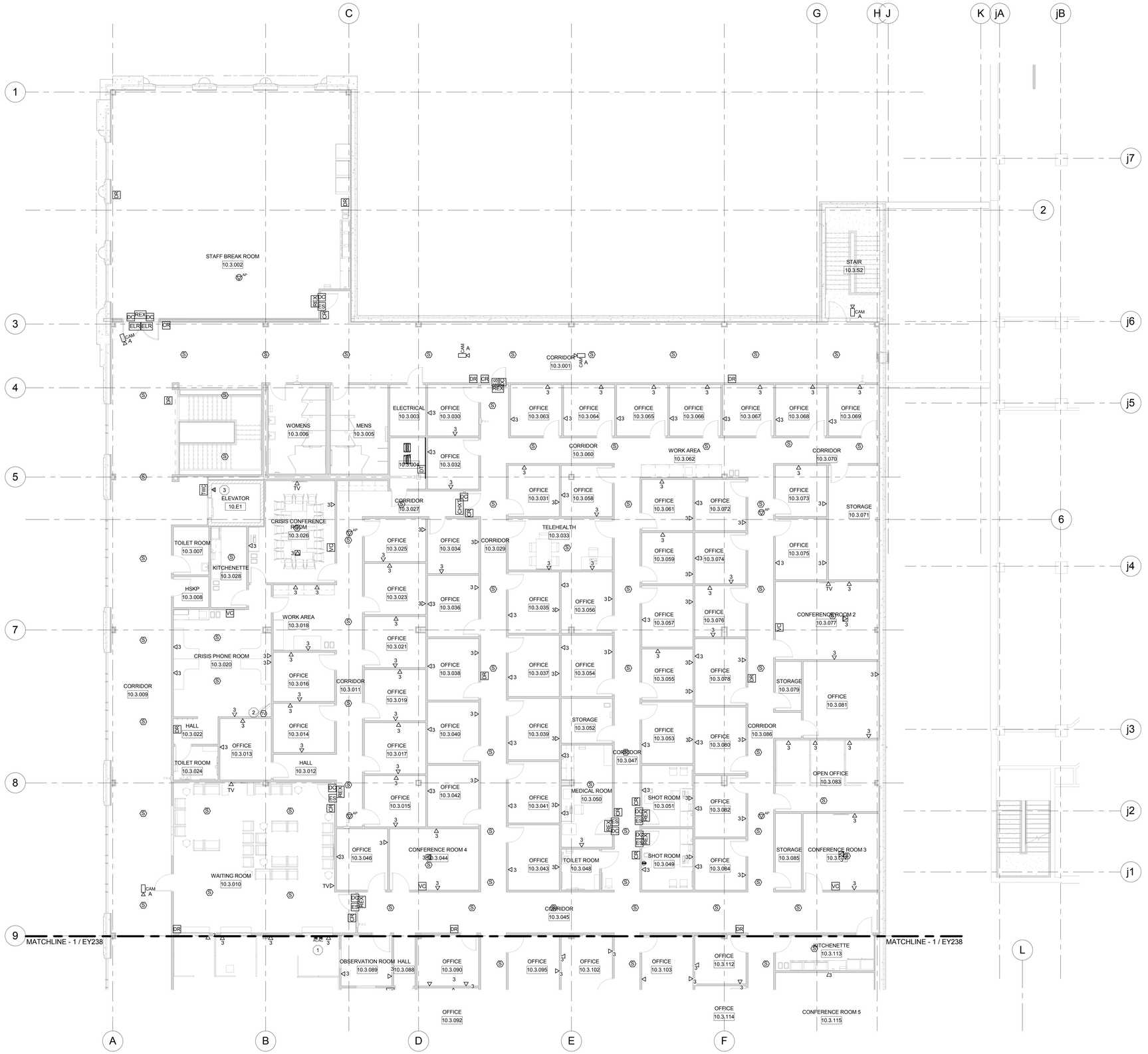
D. CONFIRM ACCESS CONTROL DEVICES WITH DOOR HARDWARE SCHEDULE AND ALTERNATE DOOR HARDWARE SCHEDULE.

PLAN NOTES: (#)

1. PROVIDE WIRELESS DOOR RELEASE BUTTON FOR DOORS 10.3.045 AND 10.3.011.

2. PROVIDE RG6 COAXIAL CABLE FOR TV LOCATION.

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




1 LEVEL 820.00 LV SYSTEMS PLAN-OCAC NORTH

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

NORTH

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: P.O. BOX 1645 NEENAH, WI 54957-1645
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing as an instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the limitations stated herein and to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or media modified without McMahon's prior written consent.

NO. | DATE | REVISION

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

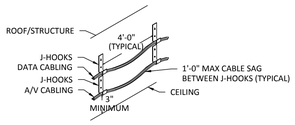
SHEET NO.
EY239

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

GENERAL NOTES:

A. ALL CABLES SHALL BE PLENUM RATED.

B. ALL FIBER OPTIC CABLES SHALL BE RUN IN ORANGE INNERDUCT.




## 2 J-HOOK DETAIL

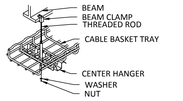
Scale: NTS



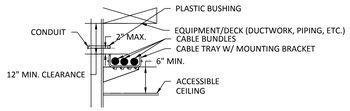
WALL BRACKET

NOTES:

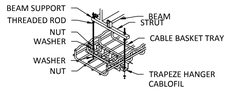
1. ALL CABLE TRAY MUST BE GROUNDED AND ALL SECTIONS BONDED IN ACCORDANCE WITH ANSI-J-STD-607-A.
2. ALL CABLE TRAYS AND GROUNDING CONDUCTORS SHOULD BE CLEARLY MARKED IN ACCORDANCE WITH ANSI/TIA/EIA-606-A ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE.
3. THERE SHALL BE A MINIMUM OF 12" CLEARANCE ABOVE THE CABLE TRAY, AND 3" TO 6" CLEARANCE BELOW THE CABLE TRAY.
4. REFER TO THE SYSTEMS PLANS FOR EXACT CABLE TRAY SIZING.
5. COORDINATE MOUNTING HARDWARE WITH SPECIFIC CABLE TRAY INSTALLED.




CENTER HANGER




WALL MOUNT




TRAPEZE HANGER

## 3 CABLE TRAY DETAIL

Scale: NTS





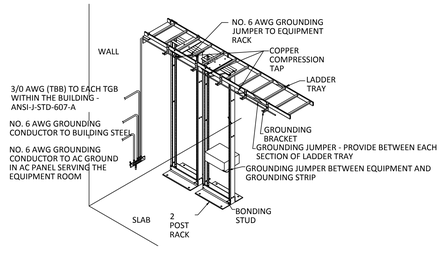


GENERAL NOTES:

1. ALL CABLE TRAY AND CONDUIT MUST BE GROUNDED AND ALL SECTIONS BONDED IN ACCORDANCE WITH ANSI-J-STD-607-A
2. ALL CABLE TRAYS AND GROUNDING CONDUCTORS SHOULD BE CLEARLY MARKED IN ACCORDANCE WITH ANSI/TIA/EIA-606-A ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE
3. THERE SHALL BE A MINIMUM OF 12" CLEARANCE ABOVE THE CABLE TRAY, AND 3" TO 6" CLEARANCE BELOW THE CABLE TRAY.
4. FOR POWER LINES LESS THAN 5KVA AND SEPARATION OF ALL CLASS 1 FROM CLASS 2 AND 3 CABLING, PROVIDE A MINIMUM OF 2" SEPARATION FROM ALL DATA CABLES.

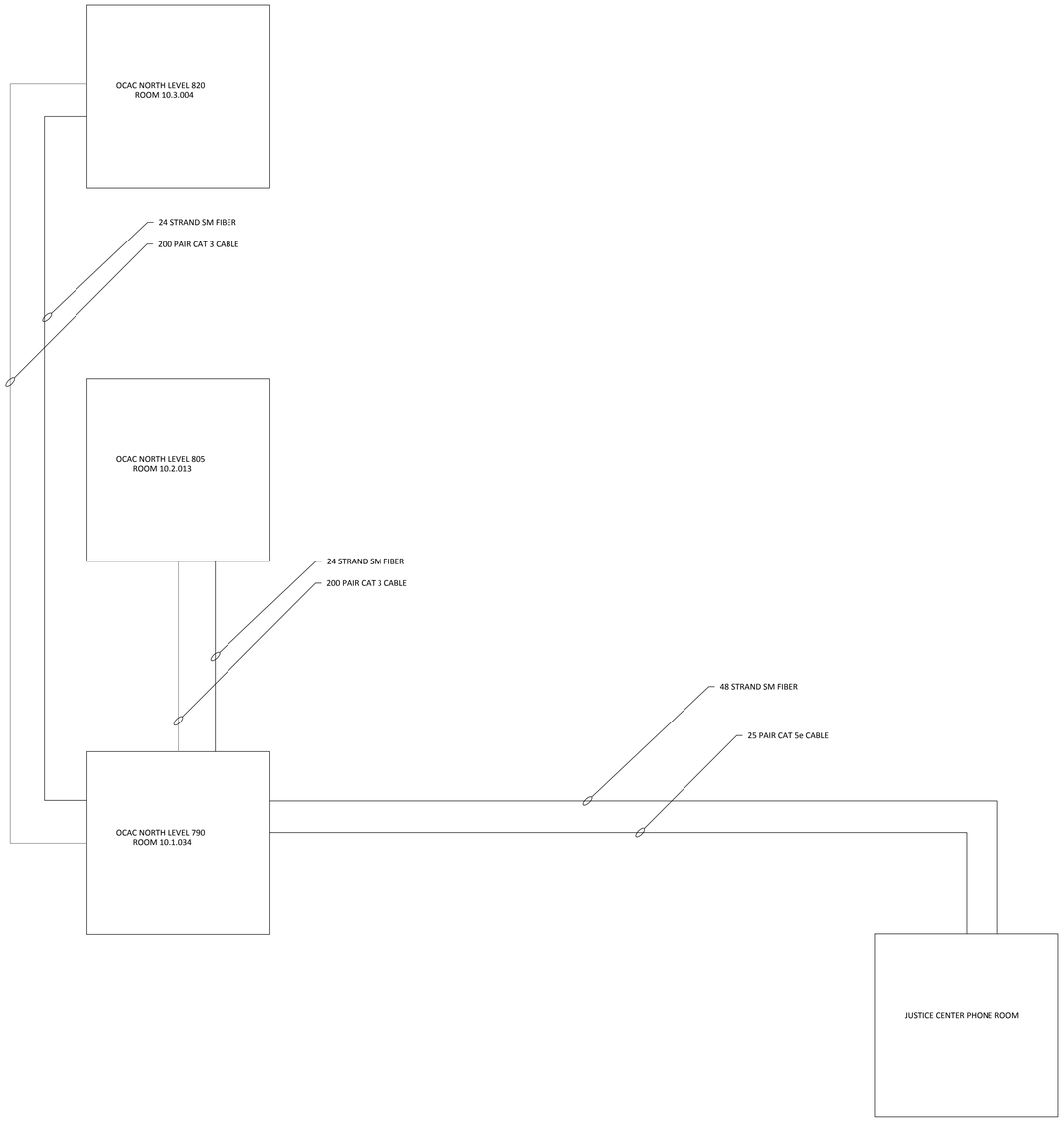
## 4 CABLE SEPERATION DISTANCES

Scale: NTS




## 5 RACK GROUNDING DETAIL

Scale: NTS




## 1 LOW VOLTAGE RISER DIAGRAM

Scale: NTS

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8000 Milwaukee (414) 271-2400
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMAHON provides this electronic document in lieu of hard copy. All instruments of service, including electronic copyrights are retained by McMAHON. The recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless for any damages resulting from unauthorized changes made to the original document after delivery by McMAHON. All rights reserved.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

# ALTERATION / ADDITION
# OUTAGAMIE COUNTY ADMINISTRATION CENTER
# S. WALNUT & W. 8TH, APPLETON WI 54911
## LOW VOLTAGE SYSTEM RISER DIAGRAM/DETAILS

| DESIGNED | DRAWN |
|---|---|
| DVM | DVM |

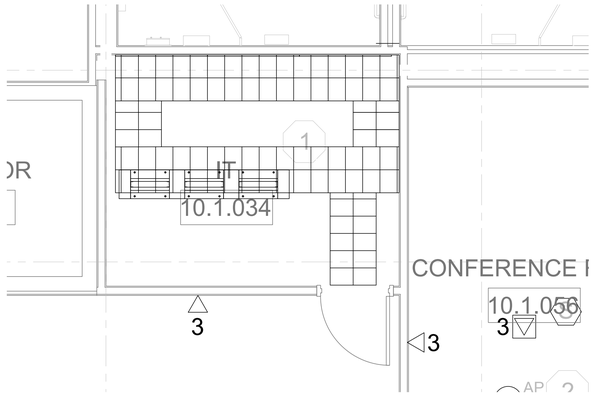
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

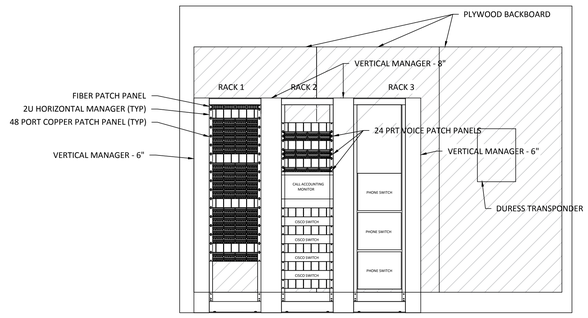
SHEET NO.
EY601

GENERAL NOTES:

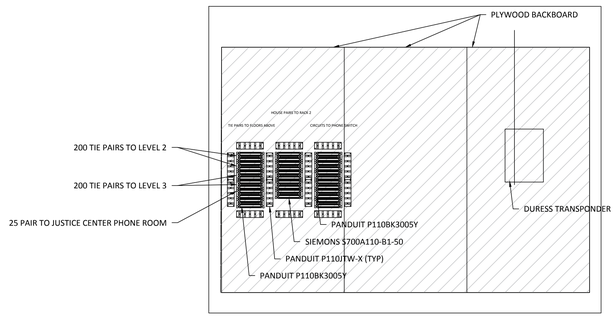
A. SEE SPECIFICATION SECTION 27 10 05.00 STRUCTURED CABLING FOR VOICE AND DATA FOR SPECIFIC MDF/IDF CLOSET BUILDOUT DETAILS.



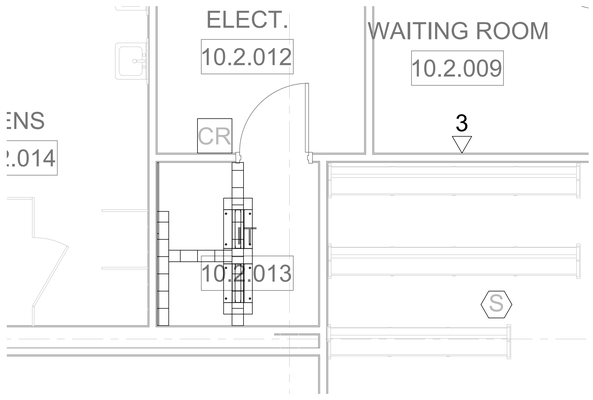

1 LEVEL 790.00 MDF ROOM 10.1.034 TOP VIEW
Scale: 3/8" = 1'-0"



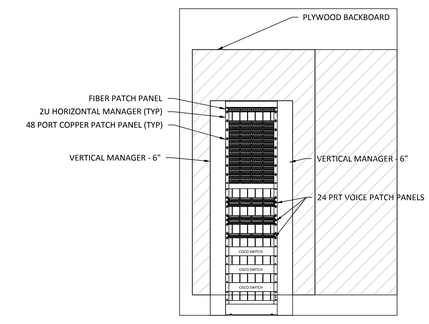

2 LEVEL 790.00 MDF ROOM 10.1.034 FRONT RACK VIEW
Scale: 1/2" = 1'-0"



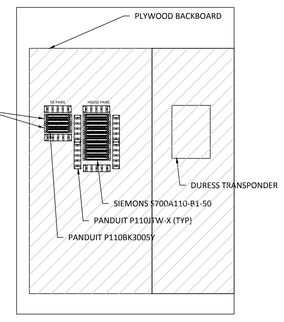

3 LEVEL 790.00 MDF ROOM 10.1.034 BACKBOARD VIEW
Scale: 1/2" = 1'-0"



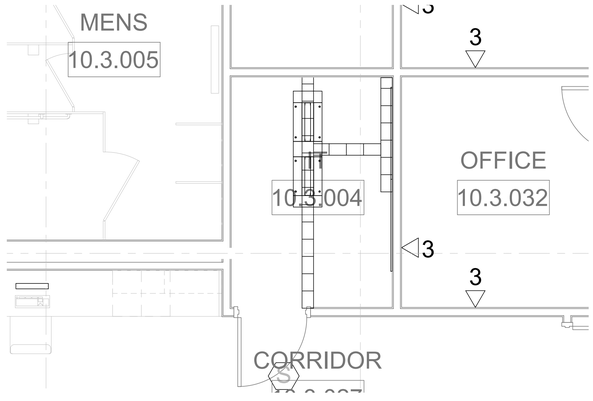

4 LEVEL 805.00 IDF ROOM 10.2.013 TOP VIEW
Scale: 3/8" = 1'-0"



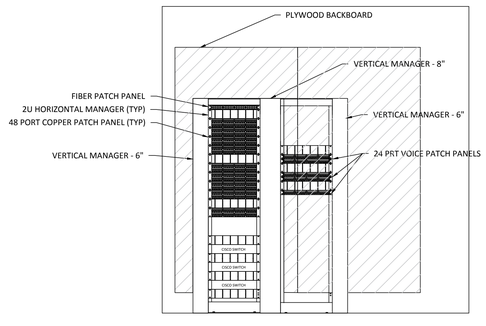

5 LEVEL 805.00 IDF ROOM 10.2.013 FRONT RACK VIEW
Scale: 1/2" = 1'-0"



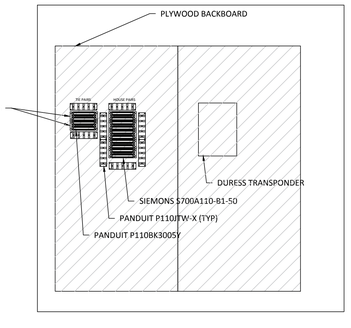

6 LEVEL 805.00 IDF ROOM 10.2.013 BACKBOARD VIEW
Scale: 1/2" = 1'-0"




7 LEVEL 820.00 IDF ROOM 10.3.004 TOP VIEW
Scale: 3/8" = 1'-0"




8 LEVEL 820.00 IDF ROOM 10.3.004 FRONT RACK VIEW
Scale: 1/2" = 1'-0"




9 LEVEL 820.00 IDF ROOM 10.3.004 BACKBOARD VIEW
Scale: 1/2" = 1'-0"

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8000 Milwaukee (262) 522-7420
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMAHON provides this electronic data subject to certain rights and restrictions of applicable contracts, laws and regulations governing the use of instruments of service, including but not limited to, boilerplate copyrights are reserved by McMAHON. By accepting this data, recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any claims or damages arising from any unauthorized changes made to the original data after it is delivered by McMAHON, unless made with the written consent of McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
ENLARGED MDF/IDF DRAWINGS-OCAC NORTH

| DESIGNED | DRAWN |
|---|---|
| DVM | DVM |

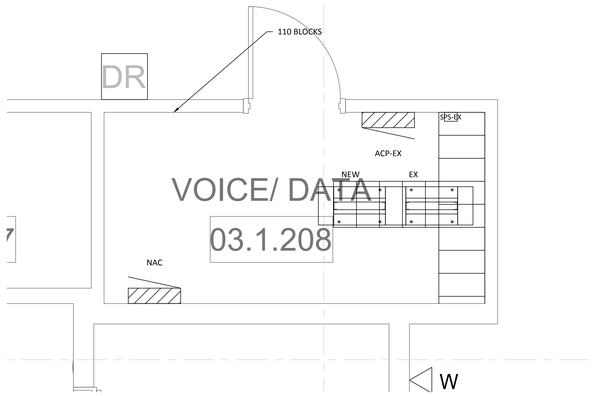
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

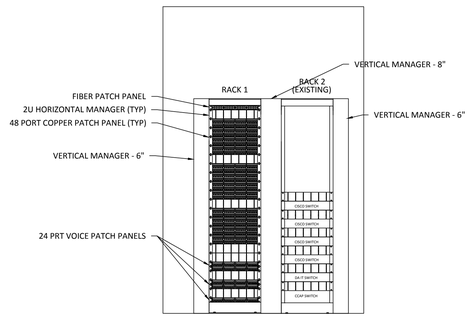
SHEET NO.
EY701

GENERAL NOTES:

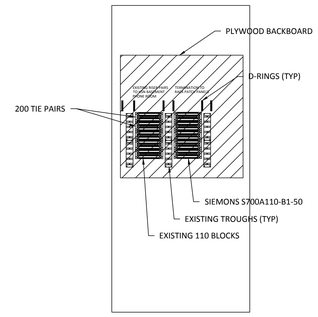
A. SEE SPECIFICATION SECTION 27 10 05.00 STRUCTURED CABLING FOR VOICE AND DATA FOR SPECIFIC MDF/IDF CLOSET BUILDOUT DETAILS.



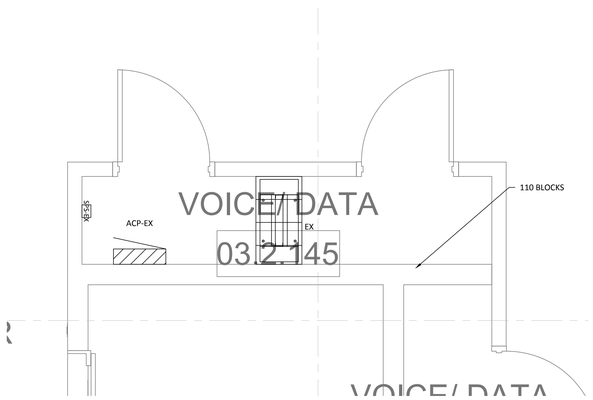

1 LEVEL 790.00 IDF ROOM 03.1.208 TOP VIEW
Scale: 1/2" = 1'-0"



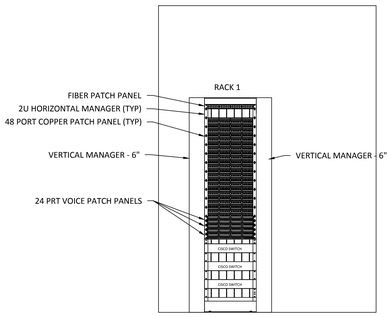

2 LEVEL 790.00 IDF ROOM 03.1.208 FRONT RACK VIEW
Scale: 1/2" = 1'-0"



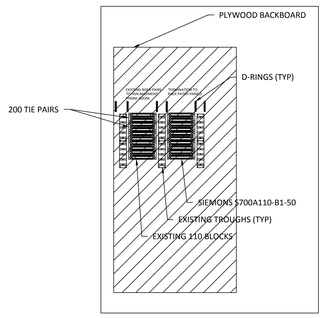

3 LEVEL 790.00 IDF ROOM 03.1.208 BACKBOARD VIEW
Scale: 1/2" = 1'-0"



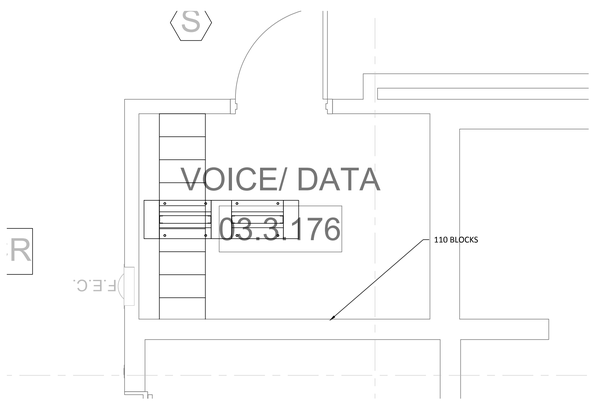

4 LEVEL 805.00 IDF ROOM 03.2.145 TOP VIEW
Scale: 1/2" = 1'-0"



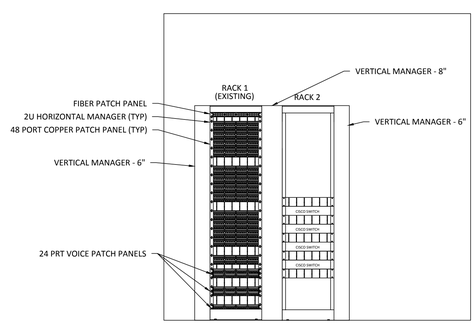

5 LEVEL 805.00 IDF ROOM 03.2.145 FRONT RACK VIEW
Scale: 1/2" = 1'-0"



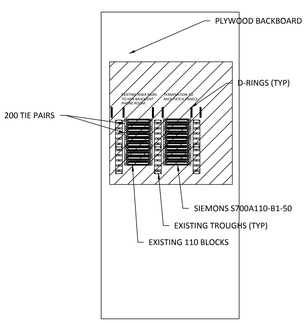

6 LEVEL 805.00 IDF ROOM 03.2.145 BACKBOARD VIEW
Scale: 1/2" = 1'-0"




7 LEVEL 820.00 IDF ROOM 03.3.176 TOP VIEW
Scale: 1/2" = 1'-0"




8 LEVEL 820.00 IDF ROOM 03.3.176 FRONT RACK VIEW
Scale: 1/2" = 1'-0"




9 LEVEL 820.00 IDF ROOM 03.3.176 BACKBOARD VIEW
Scale: 1/2" = 1'-0"

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8000 Milwaukee (262) 522-7420
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMAHON provides this electronic data in response to requests for copies of instruments of service, as instruments of service, all rights reserved by copyright are retained by McMAHON. The recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any damages, liabilities or costs arising from any changes made to the original electronic data without the written consent of McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

**ALTERATION / ADDITION**
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON WI 54911**
**ENLARGED IDF DRAWINGS-HHS NORTH/OCAC SOUTH**

| DESIGNED | DRAWN |
|---|---|
| DVM | DVM |

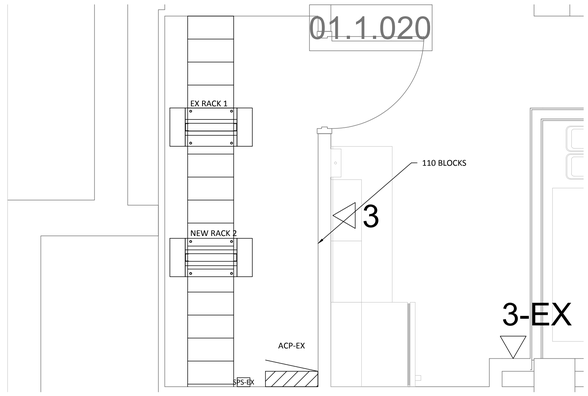
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

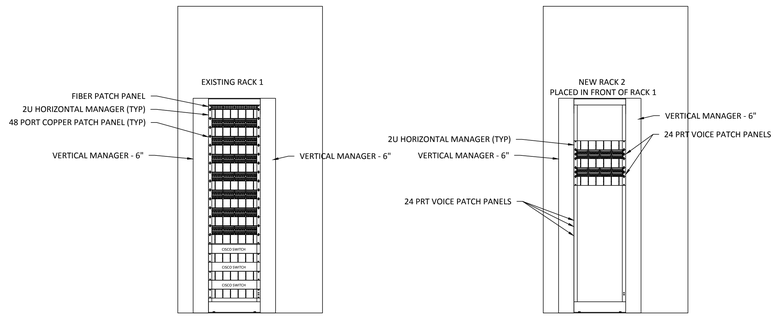
SHEET NO.
EY702

GENERAL NOTES:

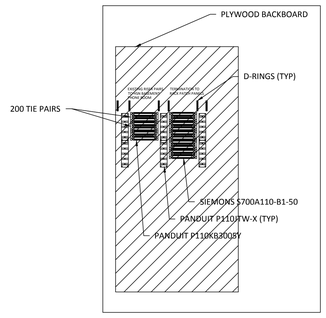
A. SEE SPECIFICATION SECTION 27 10 05.00 STRUCTURED CABLING FOR VOICE AND DATA FOR SPECIFIC MDF/IDF CLOSET BUILDOUT DETAILS.



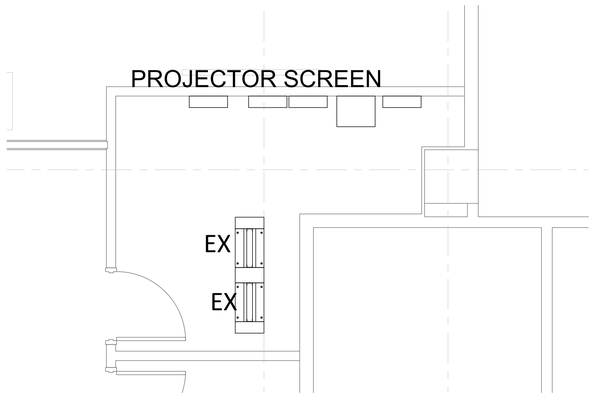

1 LEVEL 790.00 IDF ROOM - CAB TOP VIEW
Scale: 1/2" = 1'-0"




2 LEVEL 790.00 IDF ROOM - CAB FRONT RACK VIEW
Scale: 1/2" = 1'-0"



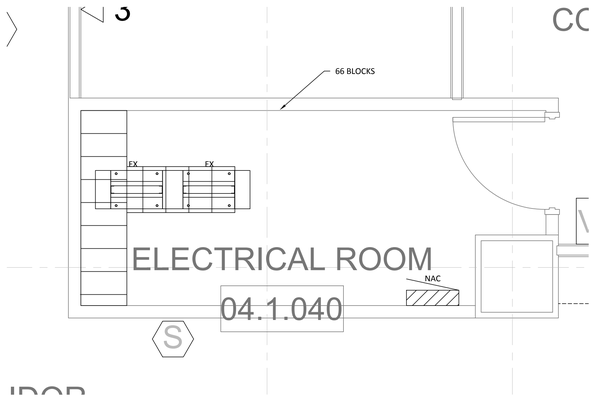

3 LEVEL 790.00 IDF ROOM - CAB BACKBOARD VIEW
Scale: 1/2" = 1'-0"



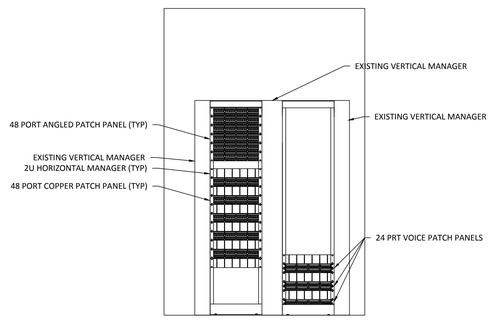

4 LEVEL 780.00 IDF ROOM - JUSTICE CENTER TOP VIEW
Scale: 3/8" = 1'-0"



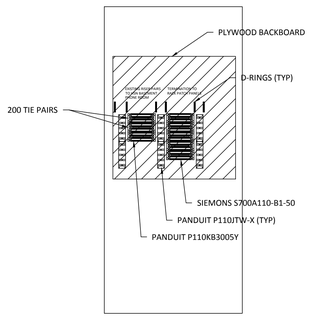

5 LEVEL 780.00 IDF ROOM - JUSTICE CENTER FRONT RACK VIEW
Scale: 1/2" = 1'-0"




7 LEVEL 790.00 IDF ROOM - JUSTICE CENTER TOP VIEW
Scale: 1/2" = 1'-0"




8 LEVEL 790.00 IDF ROOM - JUSTICE CENTER FRONT RACK VIEW
Scale: 1/2" = 1'-0"




9 LEVEL 790.00 IDF ROOM - JUSTICE CENTER BACKBOARD VIEW
Scale: 1/2" = 1'-0"

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

McMAHON provides this electronic data in lieu of hard copy instruments of service. All intellectual property rights are retained by McMAHON. By accepting this data, recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any claims or liability arising out of any reuse or modification of this data by anyone other than McMAHON, without written consent by McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

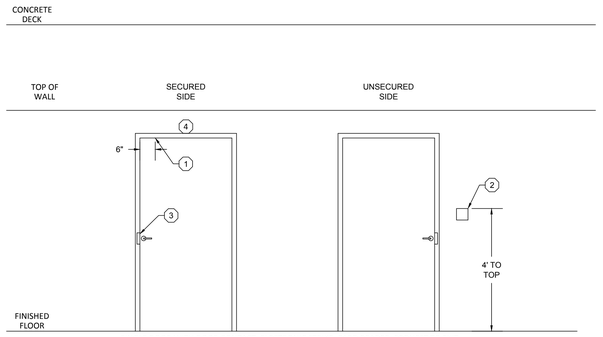
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
ENLARGED MDF/IDF DRAWINGS-LEVEL CAB AND JUSTICE CENTER

| DESIGNED | DRAWN |
|---|---|
| DVM | DVM |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

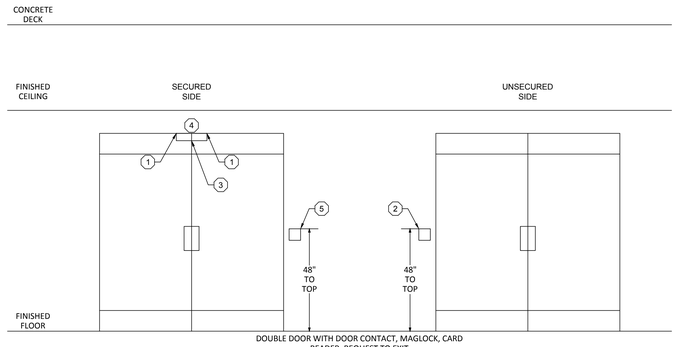
SHEET NO.
EY703




SINGLE DOOR WITH DOOR CONTACT, ELECTRONIC STRIKE, CARD READER, REQUEST TO EXIT

DETAIL NOTES: (#)

1. DPS MOUNTED INTO DOOR FRAME 6" FROM STRIKE SIDE OF DOOR FOR DOOR CONTACT AND REQUEST TO EXIT SENSOR.
2. CARD READER MOUNTED A MAXIMUM OF 48" TO TOP OF DEVICE FROM FINISHED FLOOR ON UNSECURED SIDE OF DOOR.
3. ELECTRIC STRIKE CENTERED ON LOCKSET.
4. REQUEST TO EXIT SENSOR CENTERED ON SECURE SIDE OF DOOR.



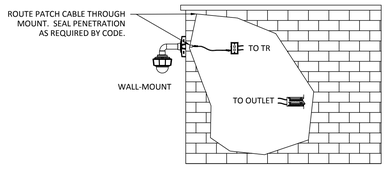

DOUBLE DOOR WITH DOOR CONTACT, MAGLOCK, CARD READER, REQUEST TO EXIT

DETAIL NOTES: (#)

1. DPS MOUNTED INTO DOOR FRAME 6" FROM STRIKE SIDE OF DOOR FOR DOOR CONTACT AND REQUEST TO EXIT SENSOR.
2. CARD READER MOUNTED A MAXIMUM OF 48" TO TOP OF DEVICE FROM FINISHED FLOOR ON UNSECURED SIDE OF DOOR.
3. MAG LOCK CENTERED ON DOOR FRAME.
4. REQUEST TO EXIT SENSOR CENTERED ON SECURE SIDE OF DOOR.
5. PNEUMATIC EMERGENCY RELEASE SWITCH.

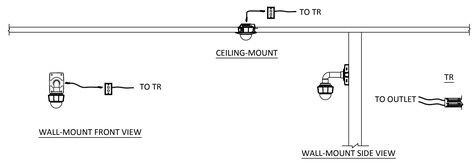
## 1 DOOR HARDWARE MOUNTING DETAIL

Scale: 1/2" = 1'-0"




## 2 OUTDOOR WALL MOUNT CAMERA DETAIL

Scale: 1/2" = 1'-0"




## 3 INDOOR CAMERA DETAIL

Scale: 1/2" = 1'-0"

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

McMAHON provides this electronic media subject to certain restrictions. All instruments of service, as instruments of copyright are retained by McMAHON and may not be reused by recipient. Agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any damage, liability or cost arising from any changes made to the original documents or from reuse of the documents on any extension of the project or on any other project without written consent by McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

**ALTERATION / ADDITION**
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON WI 54911**
**SECURITY DETAILS**

| DESIGNED | DRAWN |
|---|---|
| DVM | DVM |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
EY704

C:\Revit Projects\16_1108 OCAC_Elec_milarson.rvt

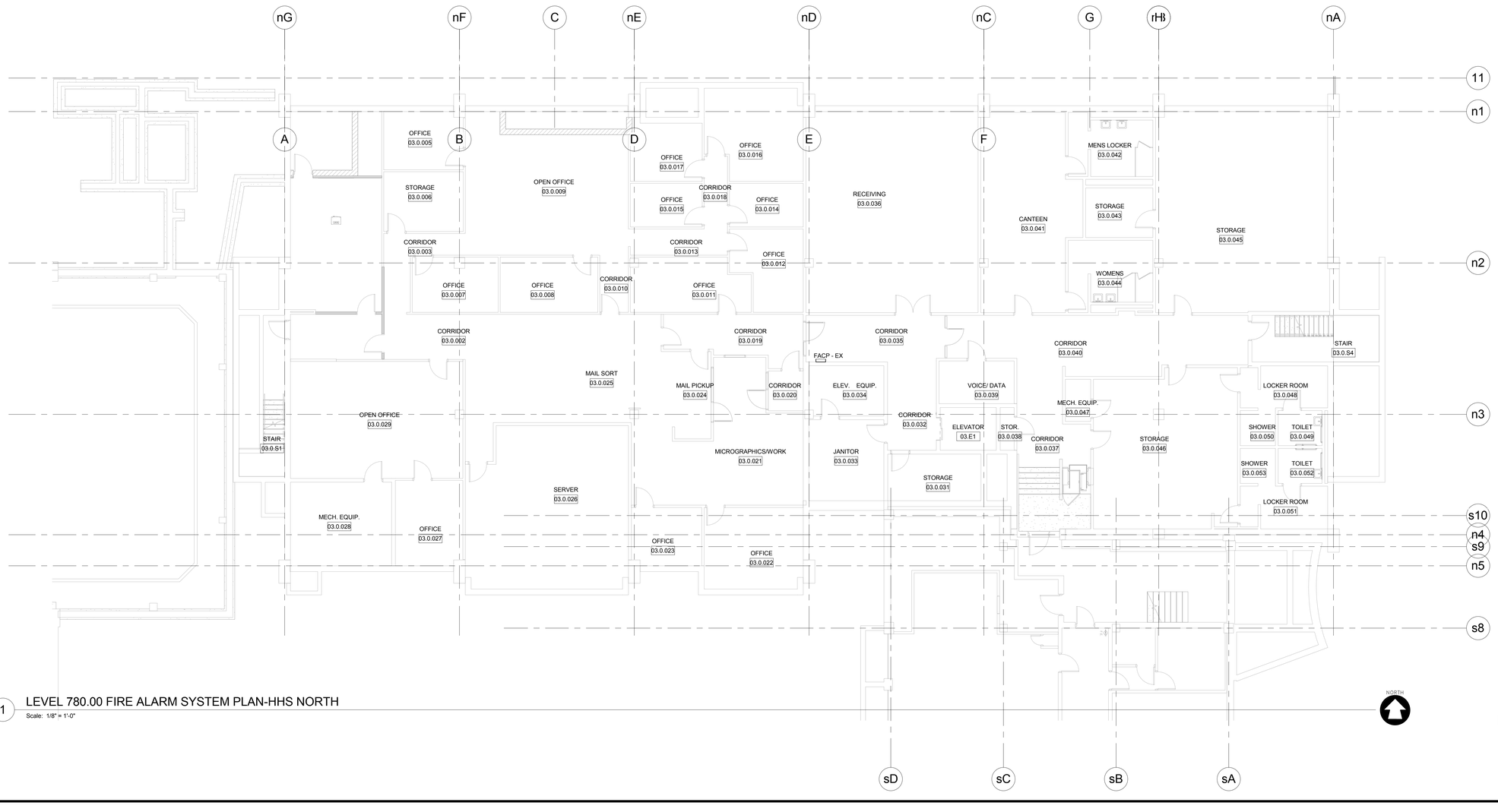
2/28/2017 4:02:27 PM

GENERAL NOTES:

A. FIRE ALARM DEVICES ARE NOTIFIER SYSTEM DEVICES.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE

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




1 LEVEL 780.00 FIRE ALARM SYSTEM PLAN-HHS NORTH

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

PLAN KEY

NORTH

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

McMahon provides this drawing and digital data solely for use as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless from any damage, loss or claim arising from any changes made to the original drawing or data without prior written approval by McMahon.

| NO. | DATE | REVISION |
|---|---|---|

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

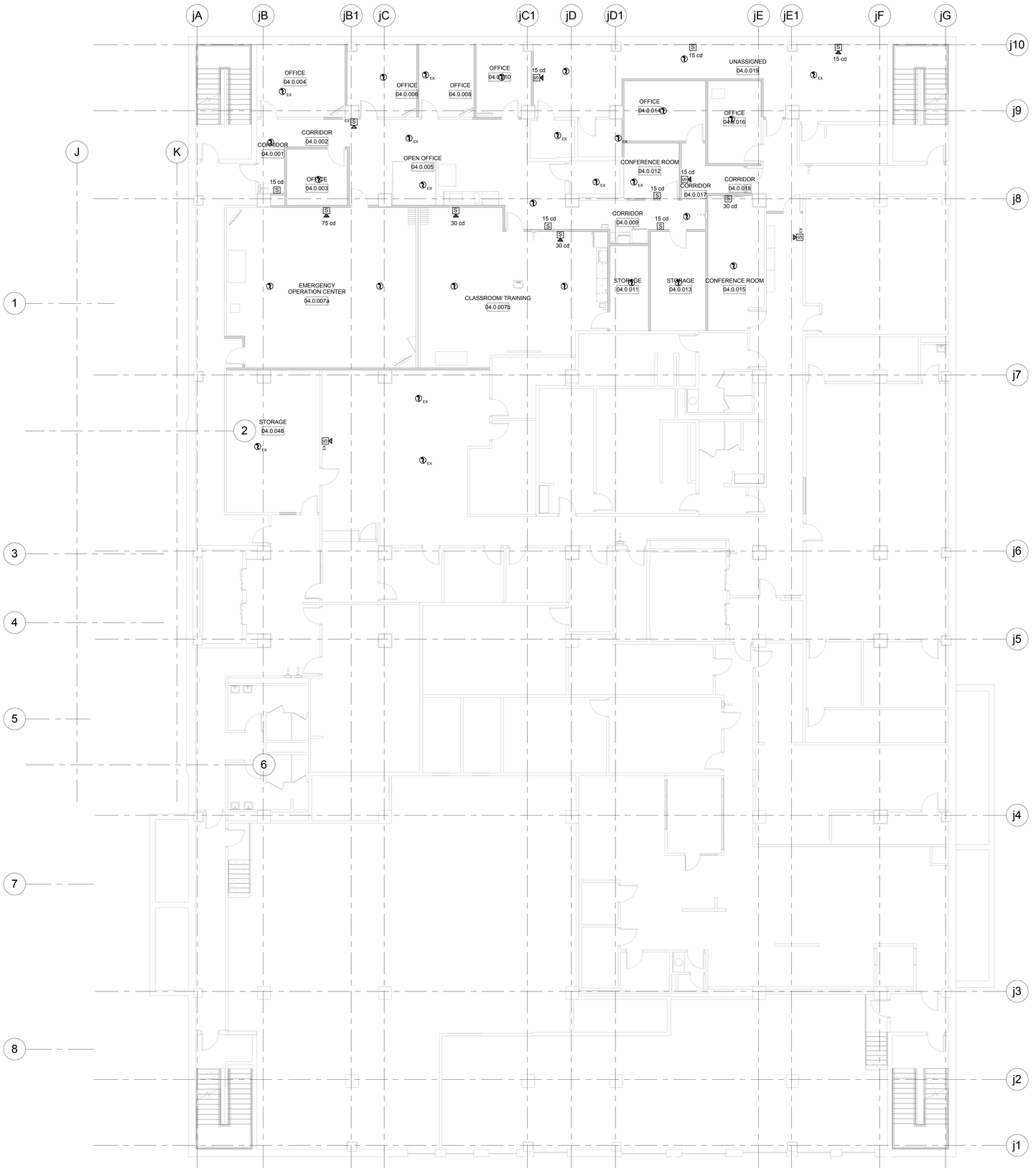
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA229

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:31 PM




1 LEVEL 780.00 FIRE ALARM SYSTEM PLAN-JUSTICE CENTER

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

GENERAL NOTES:

A. FIRE ALARM DEVICES ARE NOTIFIER SYSTEM DEVICES.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE

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

PLAN KEY


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



McMahon provides this drawing and digital media for your use as instrument of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless from all claims arising from changes made to the original drawing or data or any reuse of drawings without written permission.


| NO. | DATE | REVISION |
|---|---|---|

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

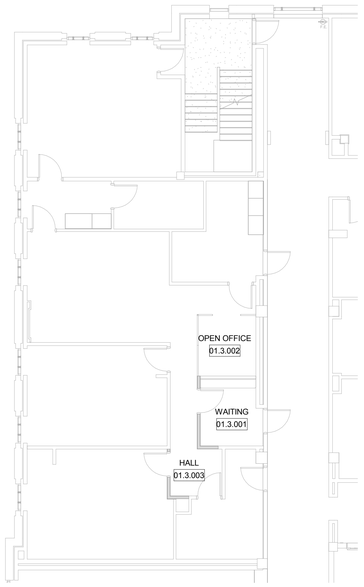
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA230

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:35 PM




2 LEVEL 820.00 FIRE ALARM SYSTEM PLAN-CAB

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

NORTH




1 LEVEL 790.00 FIRE ALARM SYSTEM PLAN-CAB

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

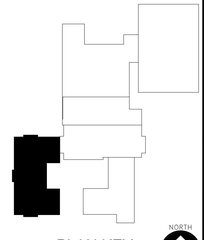
NORTH

GENERAL NOTES:

A. EXISTING FIRE ALARM DEVICES ARE NOTIFIER SYSTEM DEVICES.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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



PLAN KEY

NORTH

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

McMahon provides this drawing and design information for the use of the recipient as instrument of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: Recipient agrees to hold harmless, indemnify and hold McMahon harmless for claims arising from changes made to the original drawing or data without prior written approval by McMahon.

| NO. | DATE | REVISION |
|---|---|---|

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA231

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:40 PM

GENERAL NOTES:

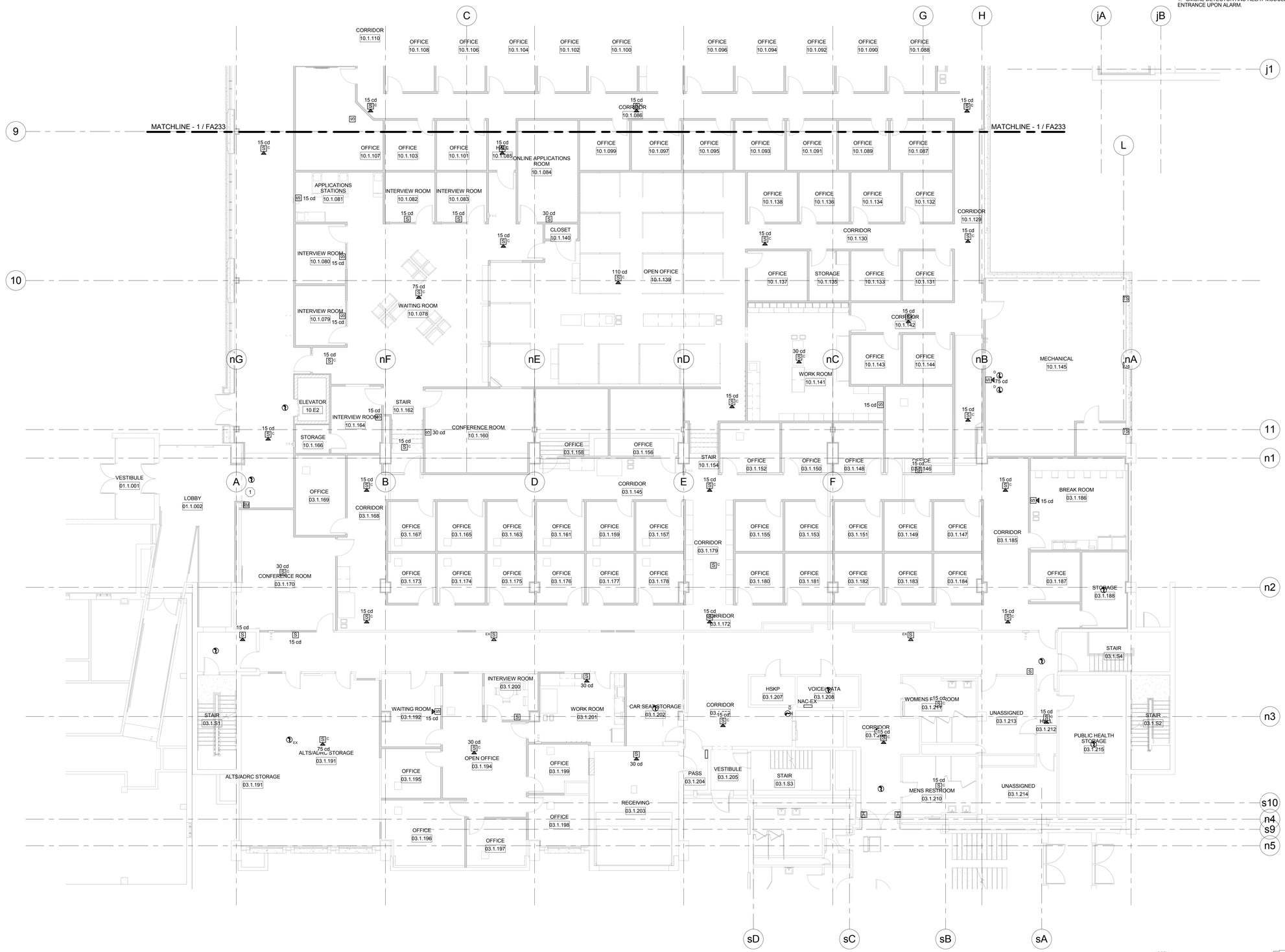
A. EXISTING FIRE ALARM DEVICES IN THIS AREA ARE ON THE NOTIFIER SYSTEM.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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

PLAN NOTES:

1. SMOKE DETECTOR AND RELAY MODULE TO ACTIVATE FIRE GATE AT LOBBY ENTRANCE UPON ALARM.




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

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

NORTH

PLAN KEY

NORTH


McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: 7601 University Avenue, Suite 201 Middleton, WI 53562
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com



McMahon provides this drawing and design concepts for one time use of the project as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: 1) to indemnify and hold McMahon harmless from any reuse of the drawings or data by the client or any party receiving them from the client; 2) to remove all McMahon identification prior to any such use; and 3) to compensate McMahon for any changes made to the original drawings or data without prior written approval by McMahon.


REVISION | DATE | NO.

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA232

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:44 PM

GENERAL NOTES:

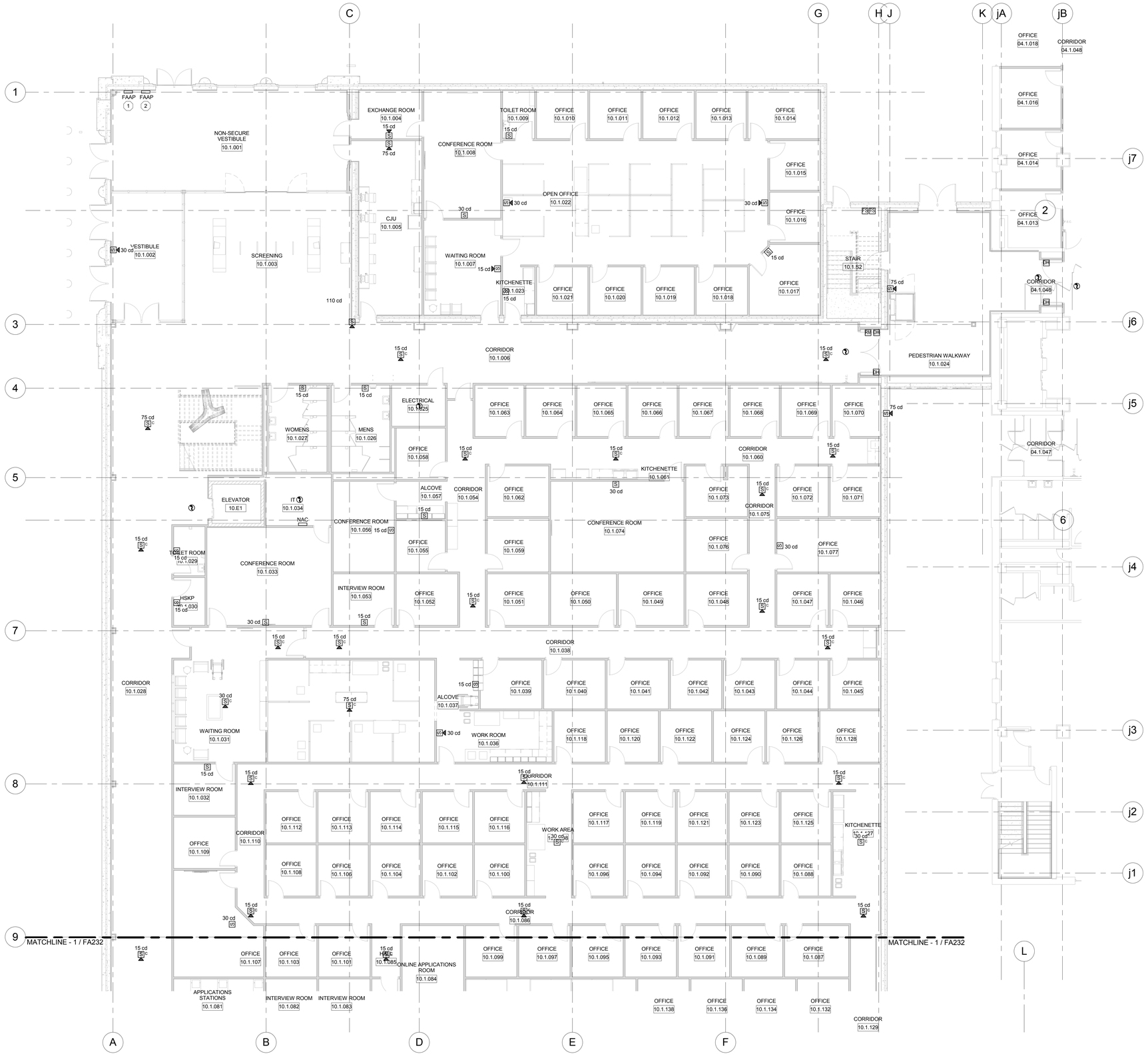
A. EXISTING FIRE ALARM DEVICES IN THIS AREA ARE ON THE NOTIFIER SYSTEM.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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

PLAN NOTES: (#)

1. RELOCATE EXISTING FAAP FROM JUSTICE CENTER ENTRY WALL.
2. PROVIDE NEW FAAP AT THIS LOCATION.




1 LEVEL 790.00 FIRE ALARM SYSTEM PLAN-OCAC NORTH

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

PLAN KEY

NORTH

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI Phone: (608) 241-8484 Milwaukee, WI Phone: (414) 727-7005
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and digital media in connection with the performance of services. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: (1) to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data without prior written permission from McMahon.

| NO. | DATE | REVISION |
|---|---|---|

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

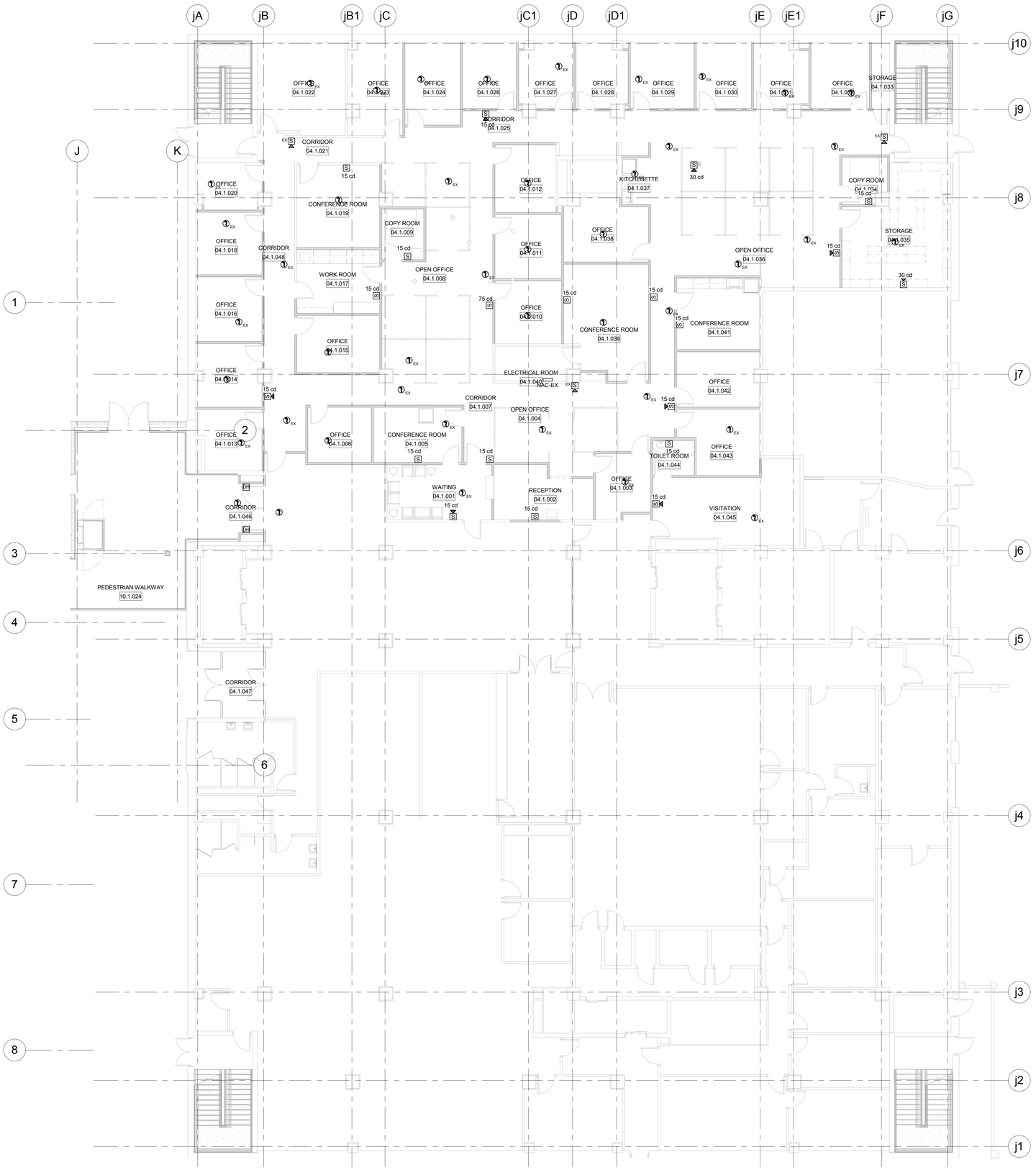
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA233

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:02:49 PM




1 LEVEL 790.00 FIRE ALARM SYSTEM PLAN-JUSTICE CENTER

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

NORTH

GENERAL NOTES:

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

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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

PLAN KEY

NORTH


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



McMahon provides this drawing as instruments of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the following: The recipient agrees to indemnify and hold McMahon harmless from any claims or damages made to the original drawing or data in any form or medium whatsoever by any party.


| NO. | DATE | REVISION |
|---|---|---|
| | | |

**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON WI 54911**
**LEVEL 790.00 FIRE ALARM SYSTEM PLAN-JUSTICE CENTER**

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA234

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

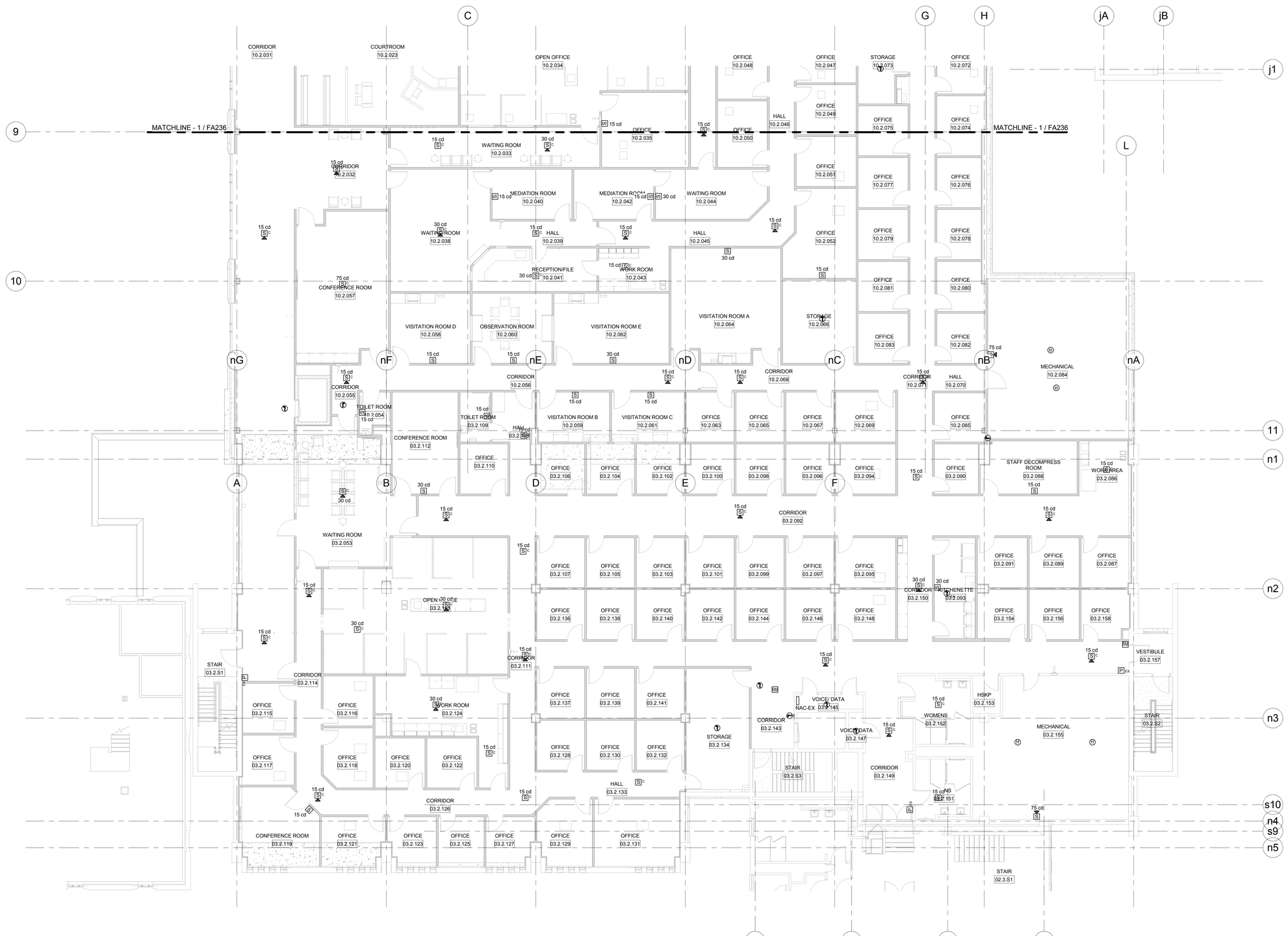
2/28/2017 4:02:54 PM

GENERAL NOTES:

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

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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




1 LEVEL 805.00 FIRE ALARM SYSTEM PLAN-HHS NORTH/OCAC SOUTH

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

NORTH

PLAN KEY


McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison (608) 241-8371 Milwaukee (414) 271-1755
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com



McMahon provides this drawing and design solely for the purpose as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the extent permitted by law to indemnify and hold McMahon harmless from any reuse or changes made to the original drawing or data without prior written authorization by McMahon.


REVISION | DATE | NO.

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO. O0002-61600160
DATE MARCH 3, 2017
SHEET NO. FA235

C:\Revit Projects\16_1108 OCAC_Elec_mlanson.rvt

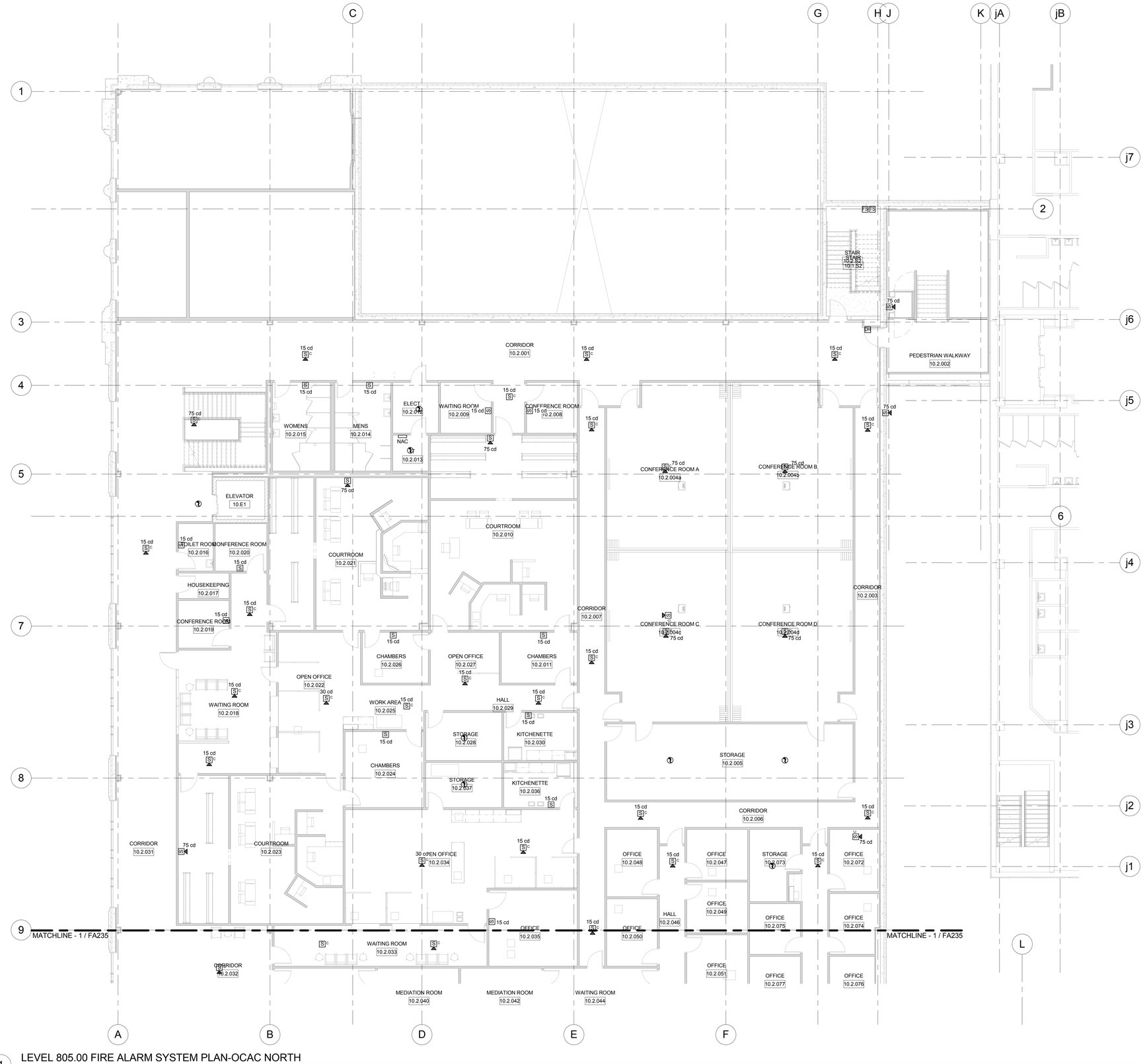
2/28/2017 4:02:59 PM

GENERAL NOTES:

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

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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




1 LEVEL 805.00 FIRE ALARM SYSTEM PLAN-OCAC NORTH

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

NORTH

PLAN KEY

NORTH


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



McMahon provides this drawing and digital data in good faith as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the following: Indemnify McMahon to hold harmless the release of changes made to the original drawing or data without prior written approval by McMahon.


| NO. | DATE | REVISION |
|---|---|---|
| | | |

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

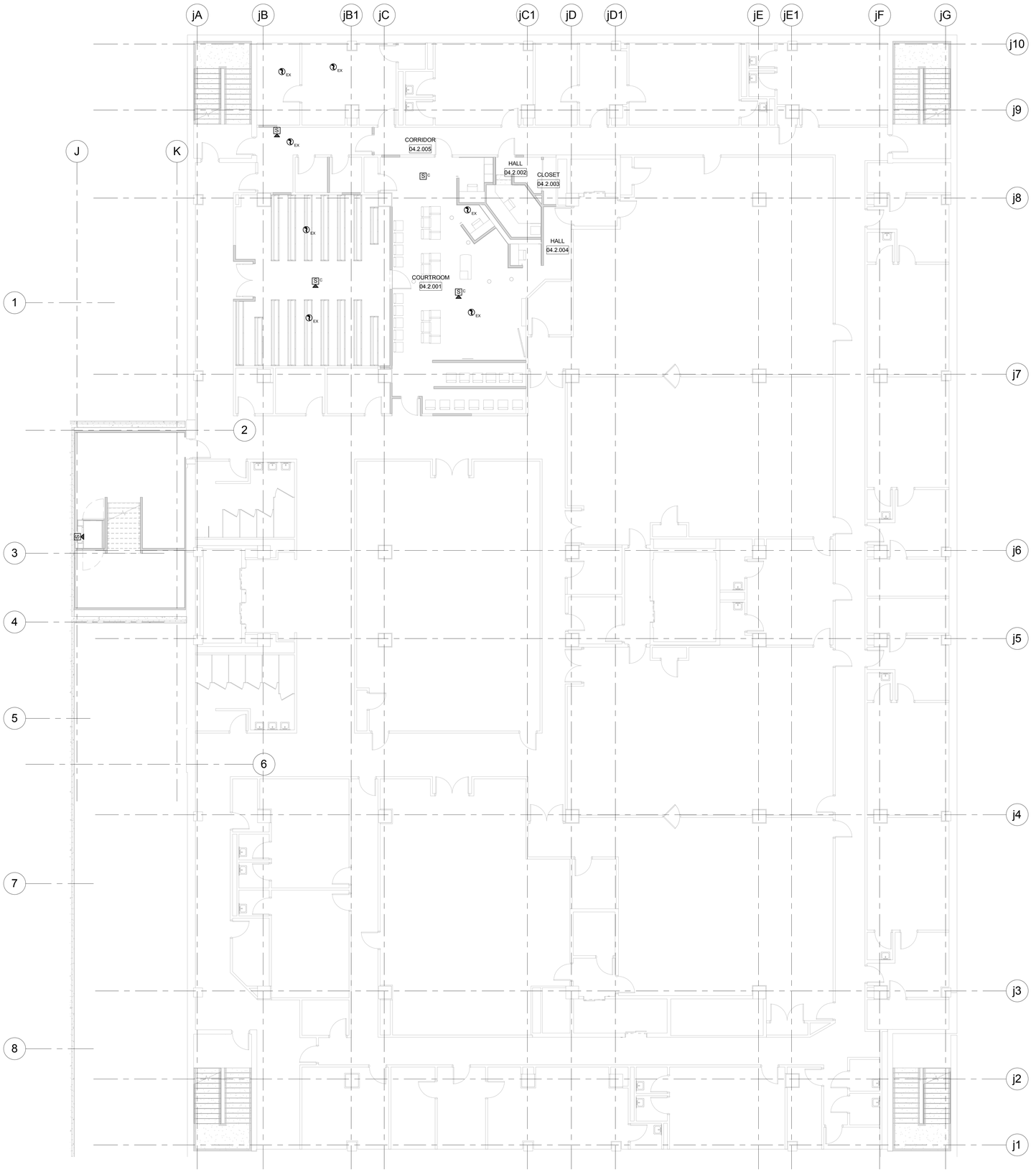
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA236

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:03:03 PM




1 LEVEL 805.00 FIRE ALARM SYSTEM PLAN-JUSTICE CENTER
Scale: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

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

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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

PLAN KEY

NORTH

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

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

| NO. | DATE | REVISION |
|---|---|---|
| | | |

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA237

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:03:08 PM

GENERAL NOTES:

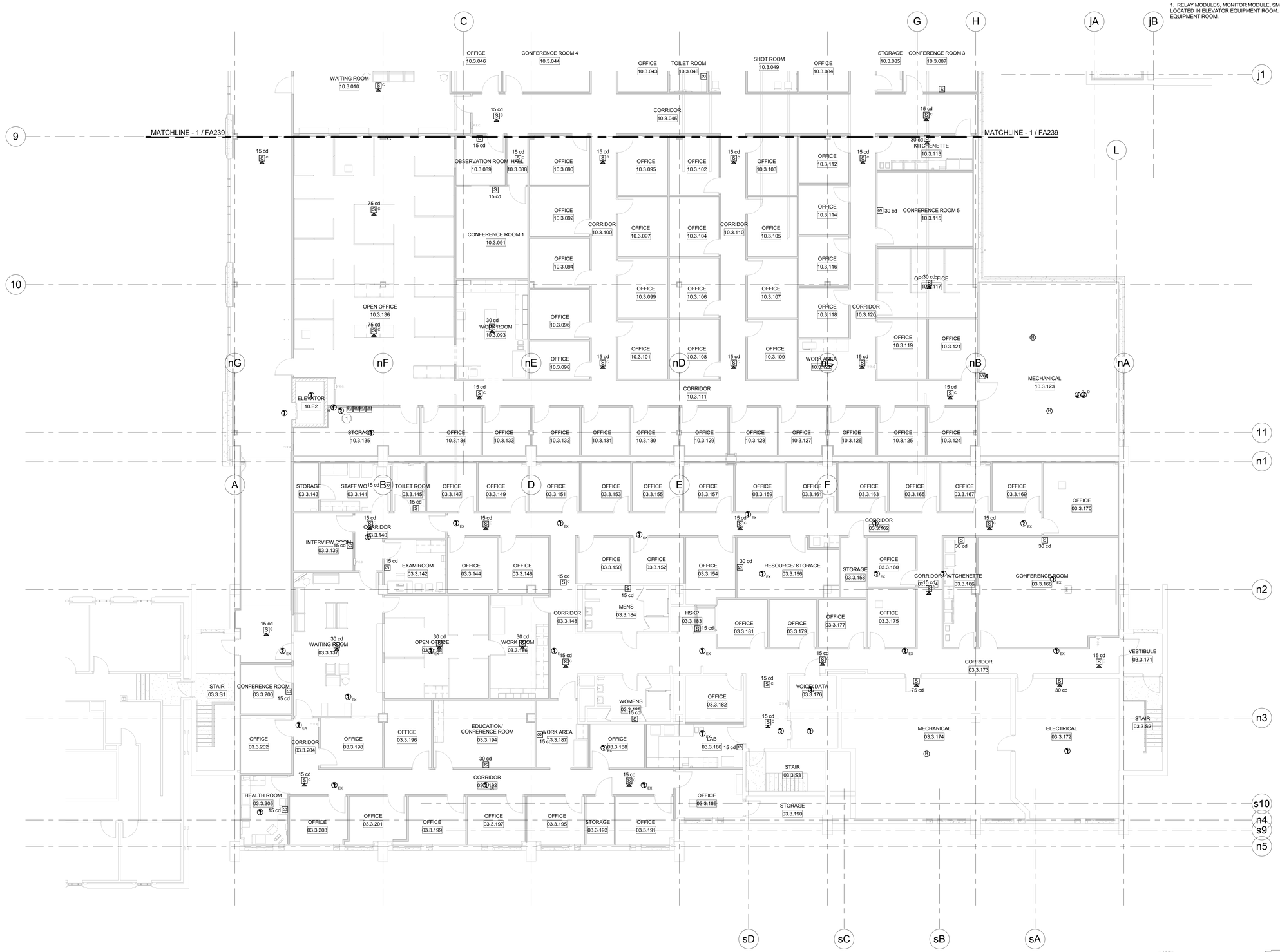
A. EXISTING FIRE ALARM DEVICES IN THIS AREA ARE ON THE NOTIFIER SYSTEM.

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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

PLAN NOTES:

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




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

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

NORTH

PLAN KEY

NORTH


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



McMahon provides this drawing and/or electronic media "as is" as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the indemnify and hold McMahon harmless from any claims or changes made to the original drawing or data without prior written consent of McMahon.


REVISION | DATE | NO.

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

| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO. O0002-61600160

DATE MARCH 3, 2017

SHEET NO. FA238

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt

2/28/2017 4:03:13 PM

GENERAL NOTES:

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

B. REUSE EXISTING FIRE ALARM DEVICES WHERE FEASABLE.

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

PLAN NOTES:

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

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




1 LEVEL 820.00 FIRE ALARM SYSTEM PLAN-OCAC NORTH

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

NORTH

PLAN KEY

NORTH


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



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


| NO. | DATE | REVISION |
|---|---|---|

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

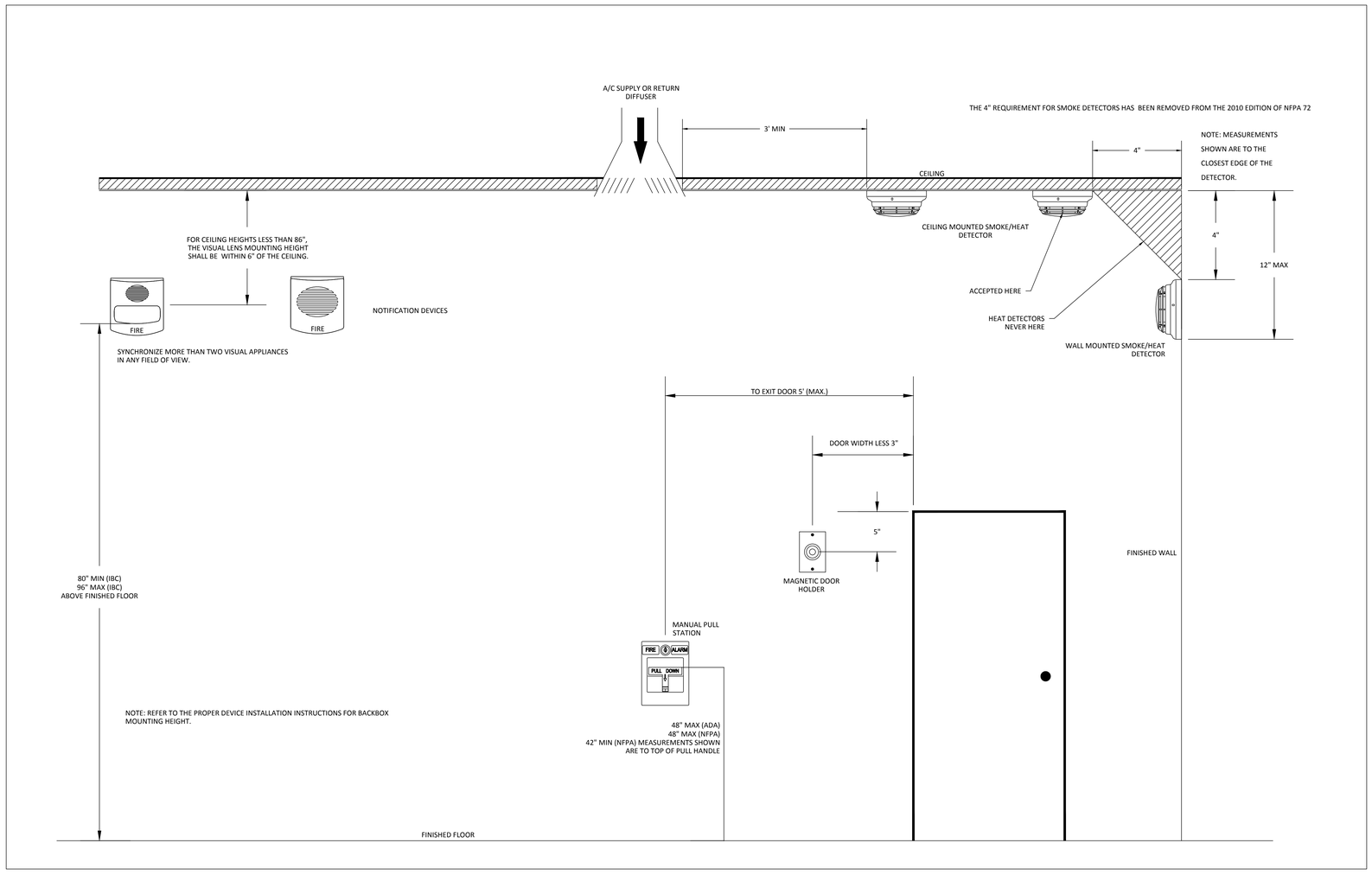
| DESIGNED | DRAWN |
|---|---|
| DVM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA239

C:\Revit Projects\16_1108 OCAC_Elec_mlarson.rvt




1 FA-701 DEVICE MOUNTING HEIGHT

Scale: NONE

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

McMAHON provides this electronic data in a variety of forms, as instruments of service. All information, copyrights are retained by McMAHON. The recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any damages, liabilities or costs arising out of any changes made to the original data provided by McMAHON without written consent by McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON WI 54911**
FIRE ALARM SYSTEM DETAILS

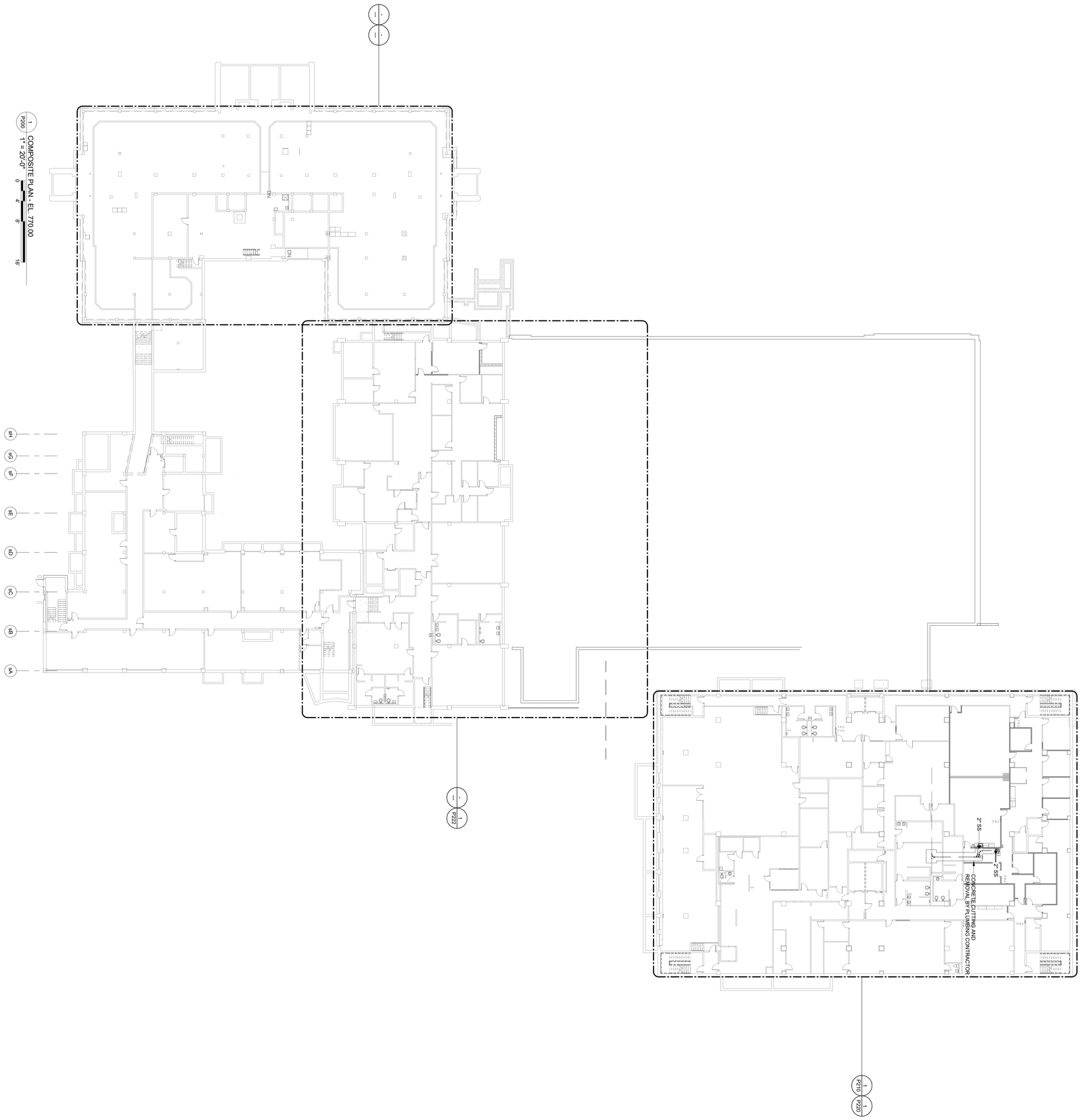
| DESIGNED | DRAWN |
|---|---|
| DVM | DVM |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FA701

1 / P200
1" = 20'-0"
COMPOSITE PLAN - EL. 770.00
0 4 8 16




**ALTERATION / ADDITION**

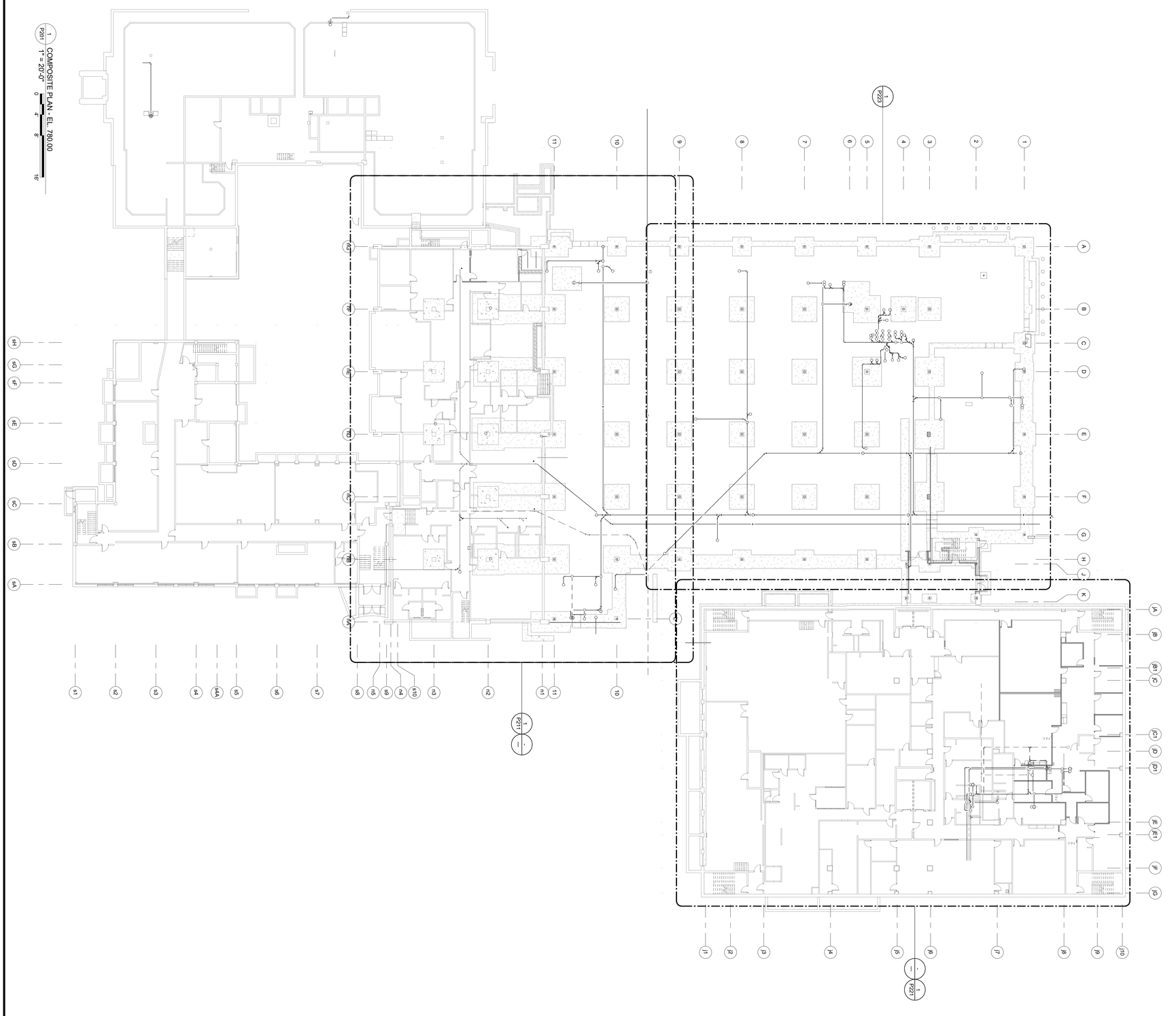
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 770.00 - COMPOSITE PLUMBING PLAN**

| NO | DATE | REVISION |
|---|---|---|
| | | |

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

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

DESIGNED NDK
DRAWN NDK
PROJECT NO. O0002-81600160
DATE MARCH 3, 2017
SHEET NO. P200




**ALTERATION / ADDITION**

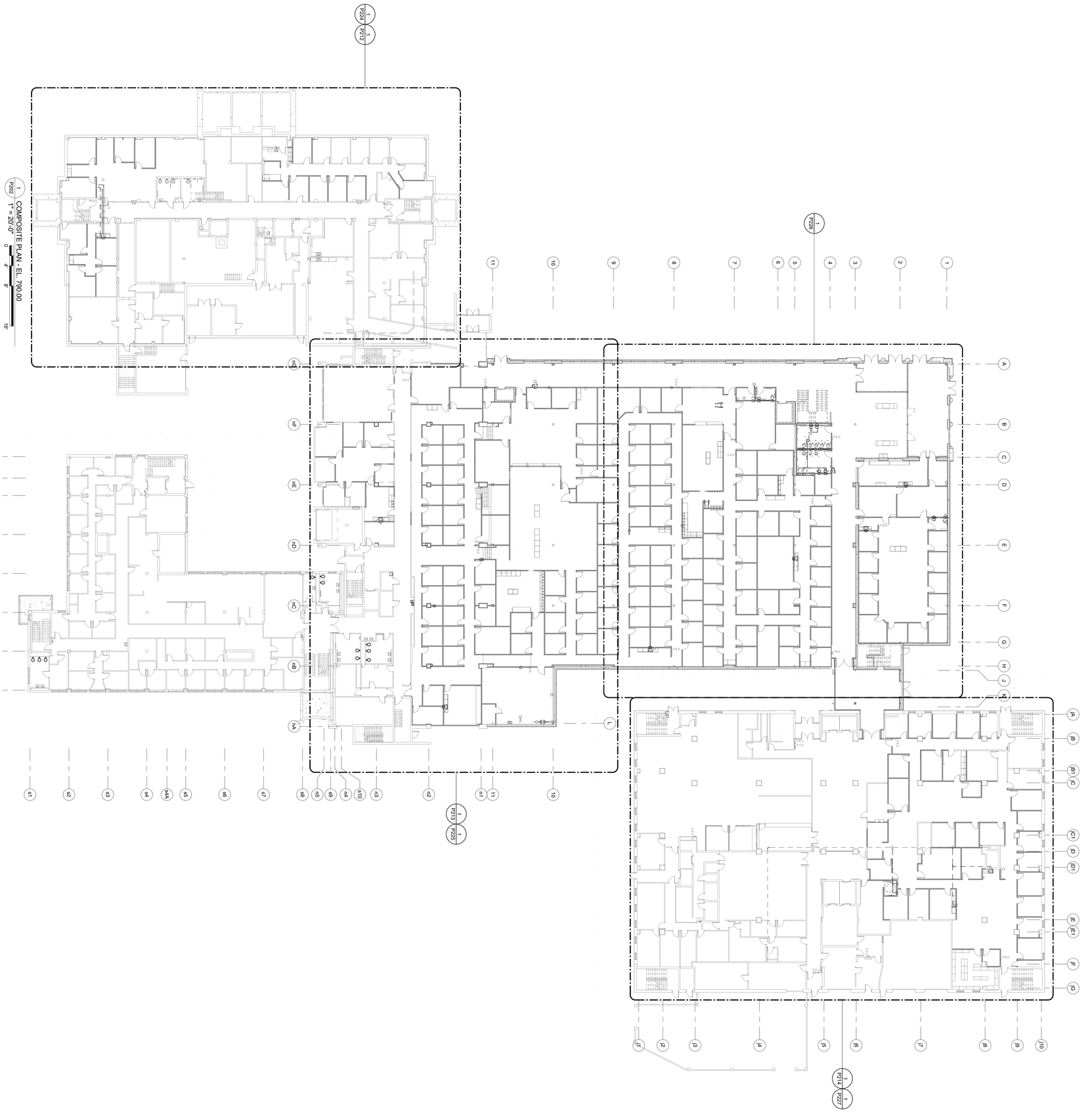
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 780.00 - COMPOSITE PLUMBING PLAN**

| NO. | DATE | REVISION |
|---|---|---|

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

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

DESIGNED NDK
DRAWN NDK
PROJECT NO. 000024950169
DATE MARCH 3, 2017
SHEET NO. P201




**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 790.00 - COMPOSITE PLUMBING PLAN**

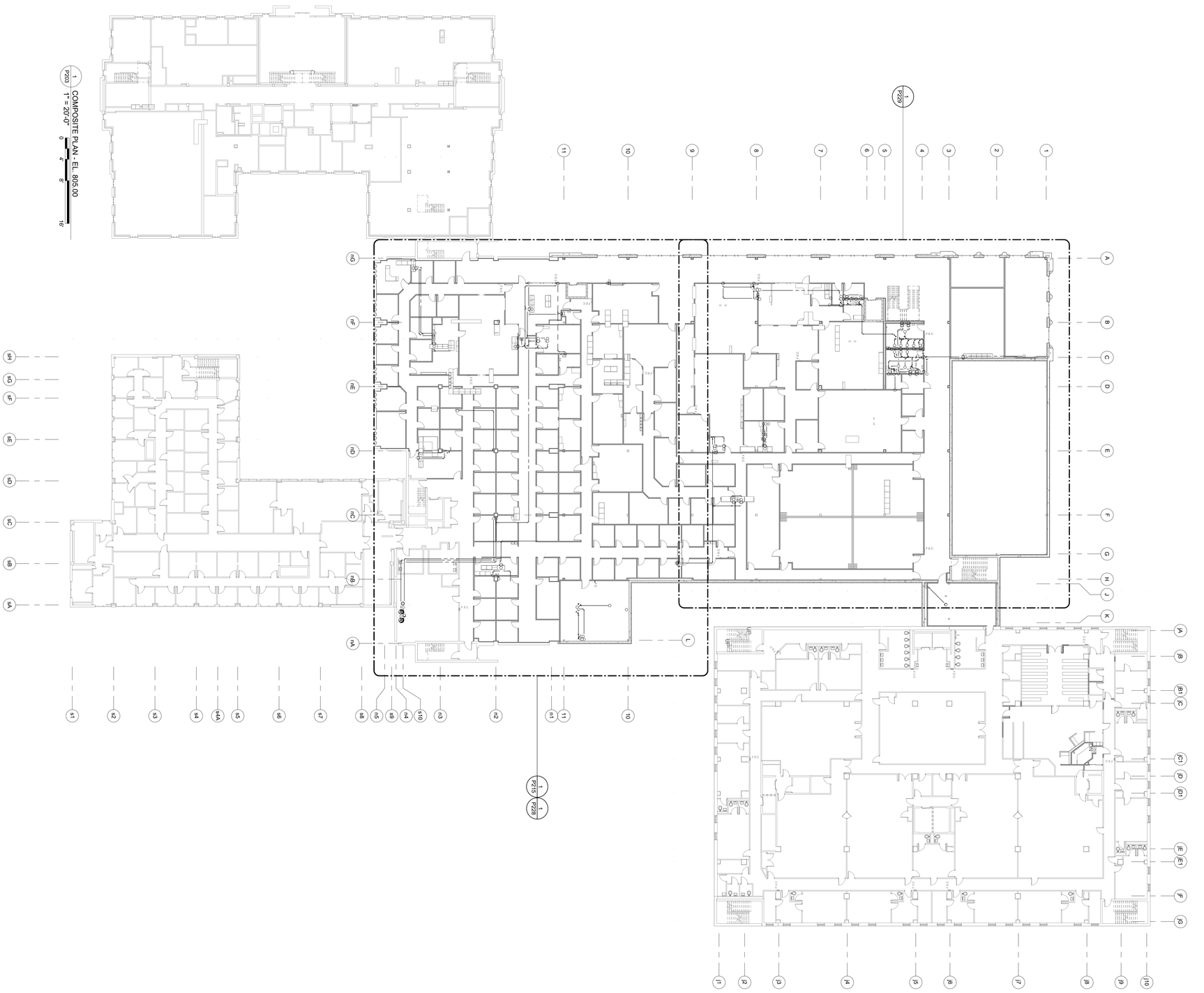
| NO. | DATE | REVISION |
|---|---|---|
| | | |

DESIGNED: NDK
DRAWN: NDK
PROJECT NO.: 0002-6150160
DATE: MARCH 3, 2017
SHEET NO.: P202

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

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

1 / P203 COMPOSITE PLAN - EL. 805.00
1" = 20'-0"
0 4' 8' 16'




**ALTERATION / ADDITION**

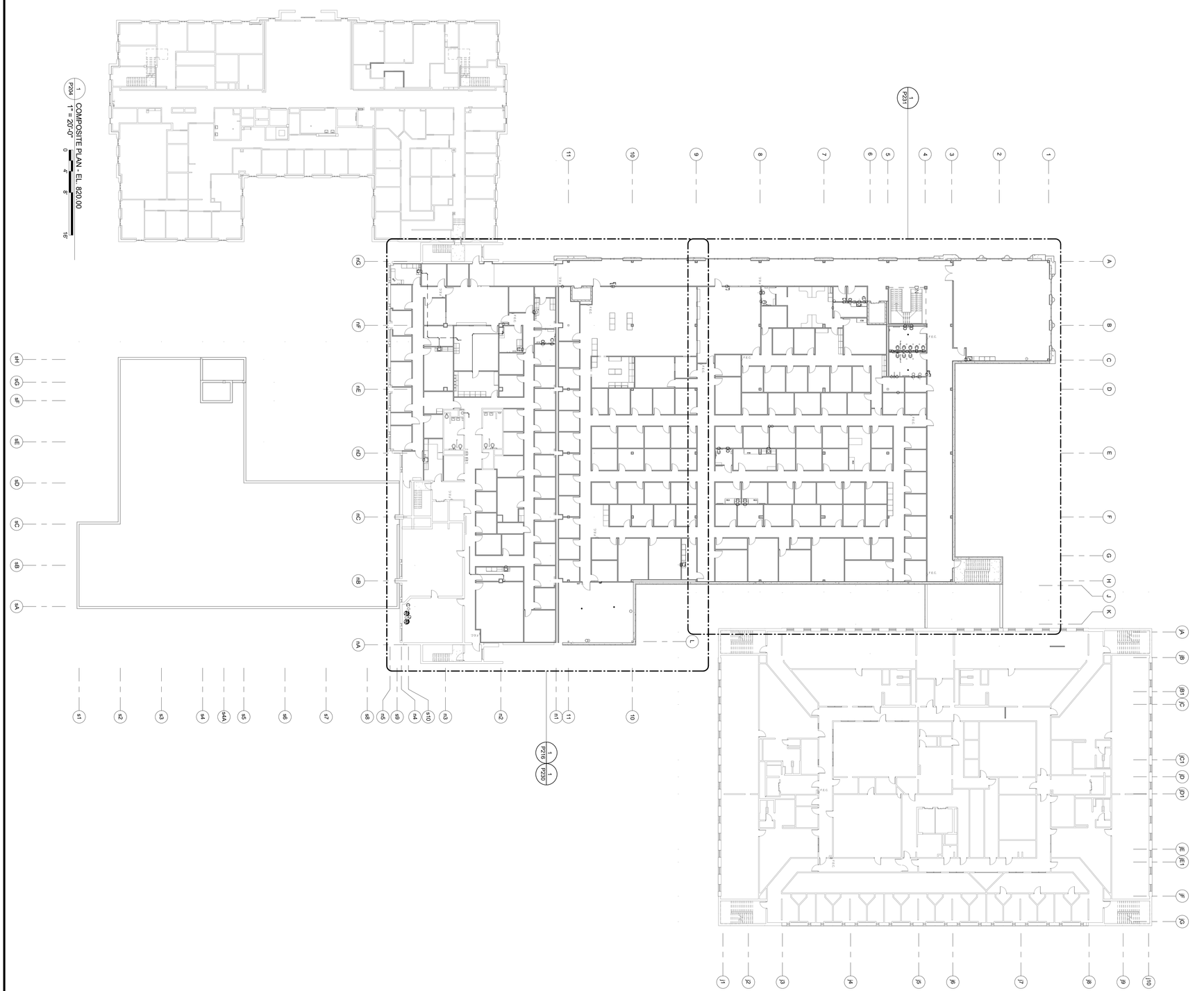
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 805.00 - COMPOSITE PLUMBING PLAN**

| NO. | DATE | REVISION |
|---|---|---|

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

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

DESIGNED NDK
DRAWN NDK
PROJECT NO. 000024-1600169
DATE MARCH 3, 2017
SHEET NO. P203




KEYNOTES

| | | | | | | |
|---|---|---|---|---|---|---|
| DESIGNED | NDK | NO. | DATE | REVISION | | |
| DRAWN | NDK | | | | | |
| PROJECT NO. | 0000241600160 | | | | | |
| DATE | MARCH 3, 2017 | | | | | |
| SHEET NO. | P204 | | | | | |

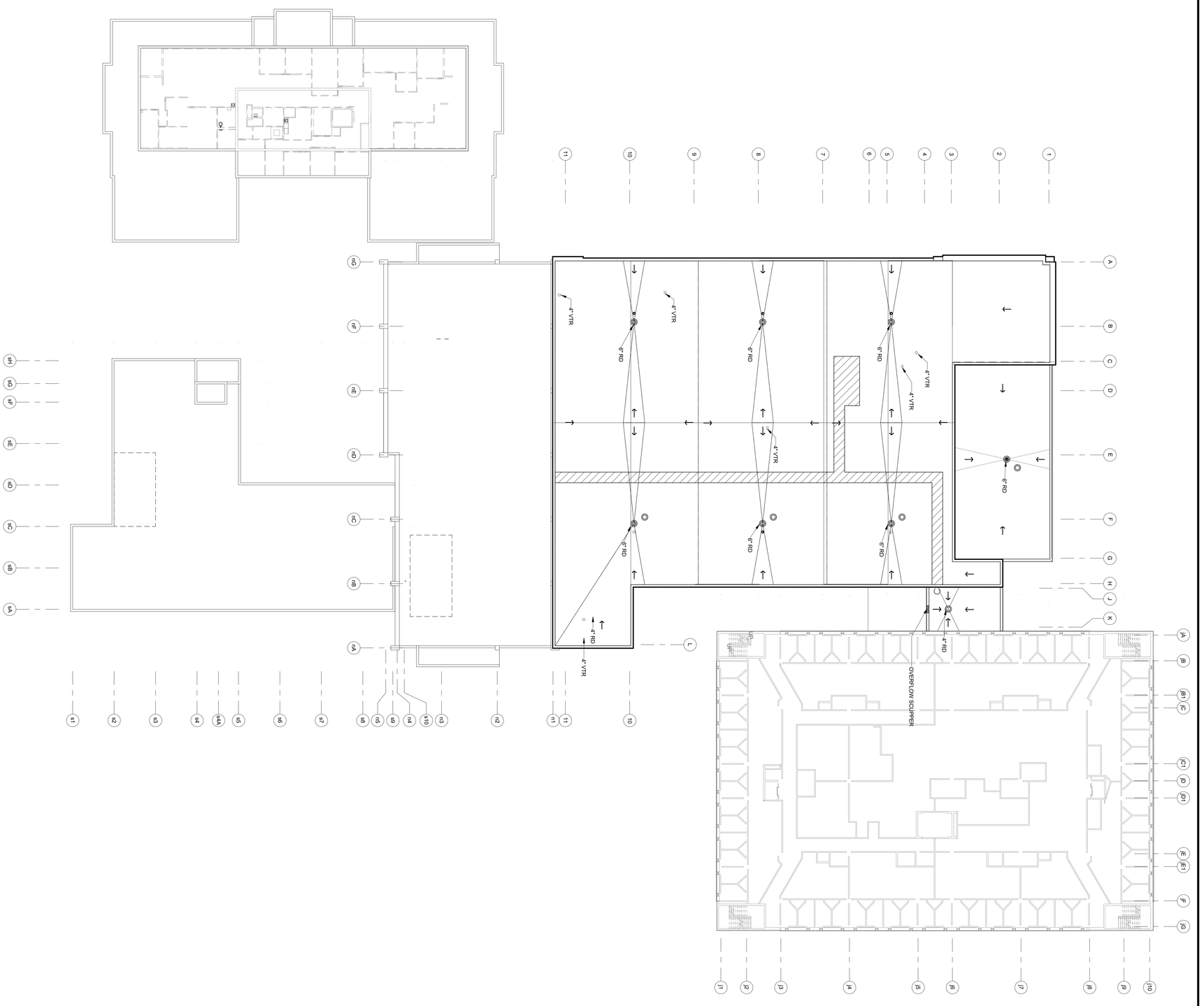
**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 820.00 - COMPOSITE PLUMBING PLAN**

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

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

1 / P205 COMPOSITE PLAN - EL. 835.00
1" = 20'-0"
0 4' 8' 16'




**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 835.00 - COMPOSITE PLUMBING PLAN**

| NO. | DATE | REVISION |
|---|---|---|
| | | |

DESIGNED NDK
DRAWN NDK
PROJECT NO. 0009245509160
DATE MARCH 3, 2017
SHEET NO. P205

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

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

KEYNOTES

# ALTERATION / ADDITION

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

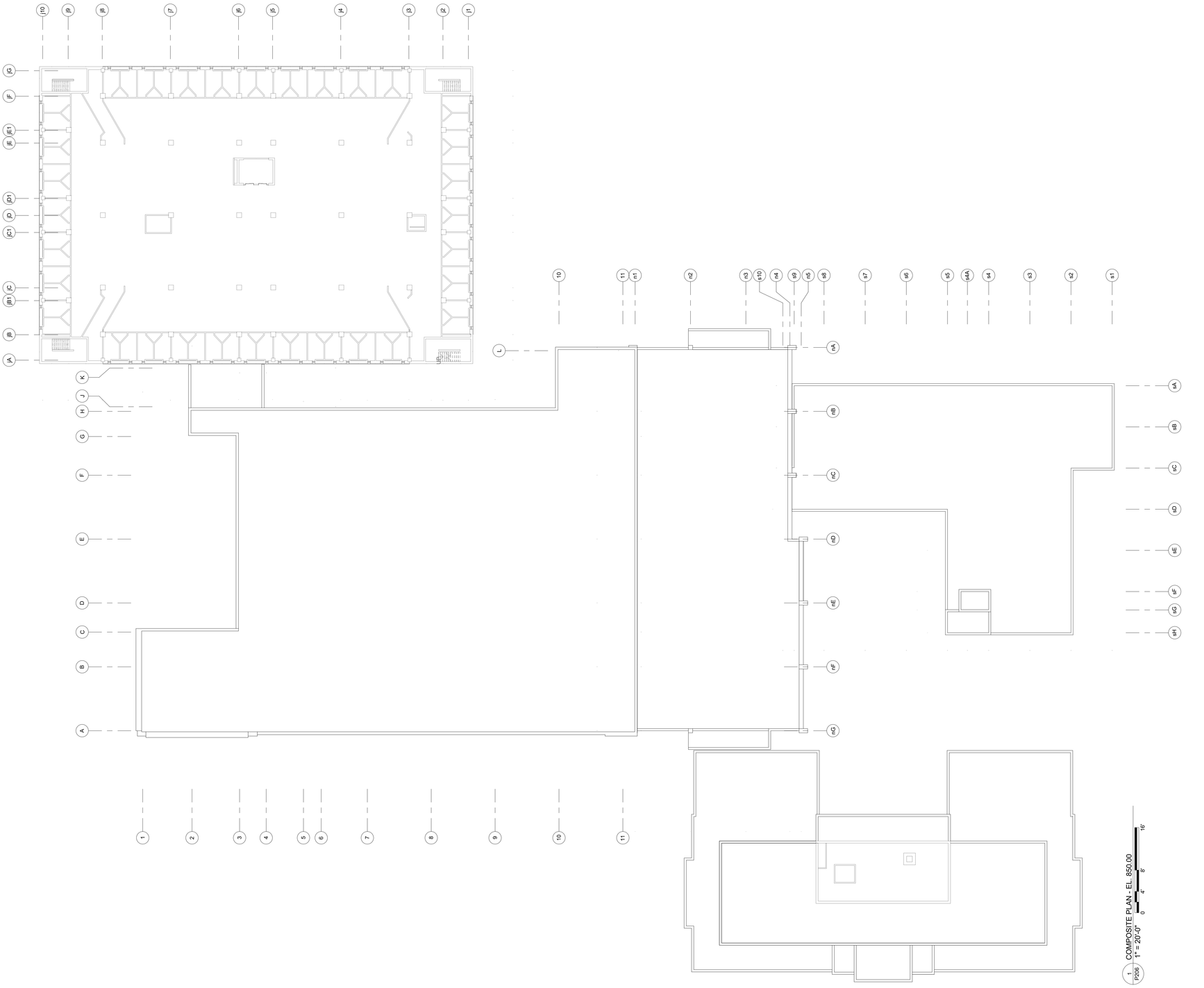
## LEVEL 850.00 - COMPOSITE PLUMBING PLAN

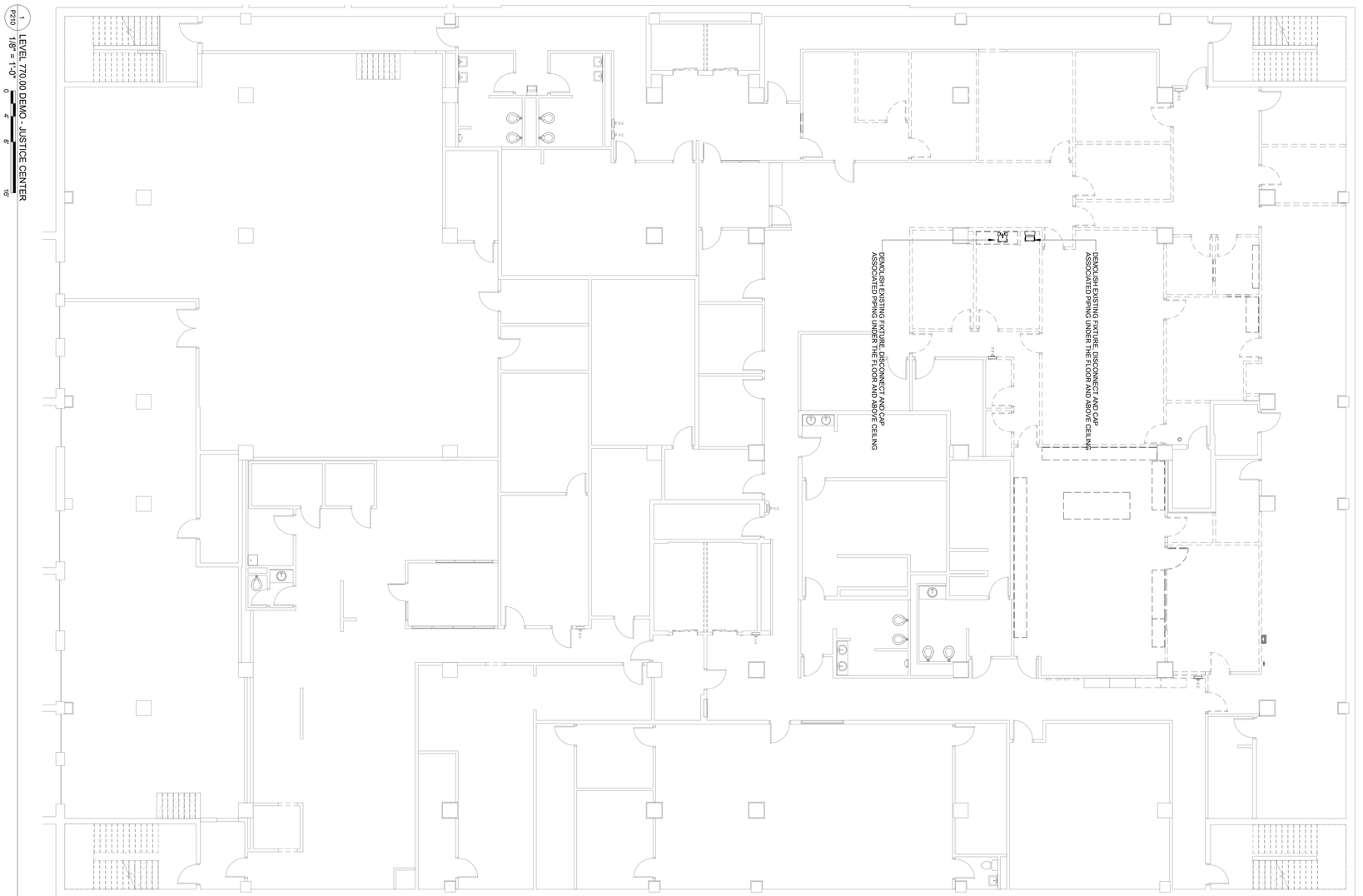
DESIGNED: NDK
DRAWN: NDK
PROJECT NO.: OA0024-1602/180
DATE: MARCH 3, 2017
SHEET NO.: P206

| NO | DATE | REVISION |
|---|---|---|
| | | |

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

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






1 P210 LEVEL 770.00 DEMO - JUSTICE CENTER
1/8" = 1'-0"
0 4' 8' 16'

**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 780.00 PLUMBING DEMOLITION PLAN - JUSTICE CENTER**

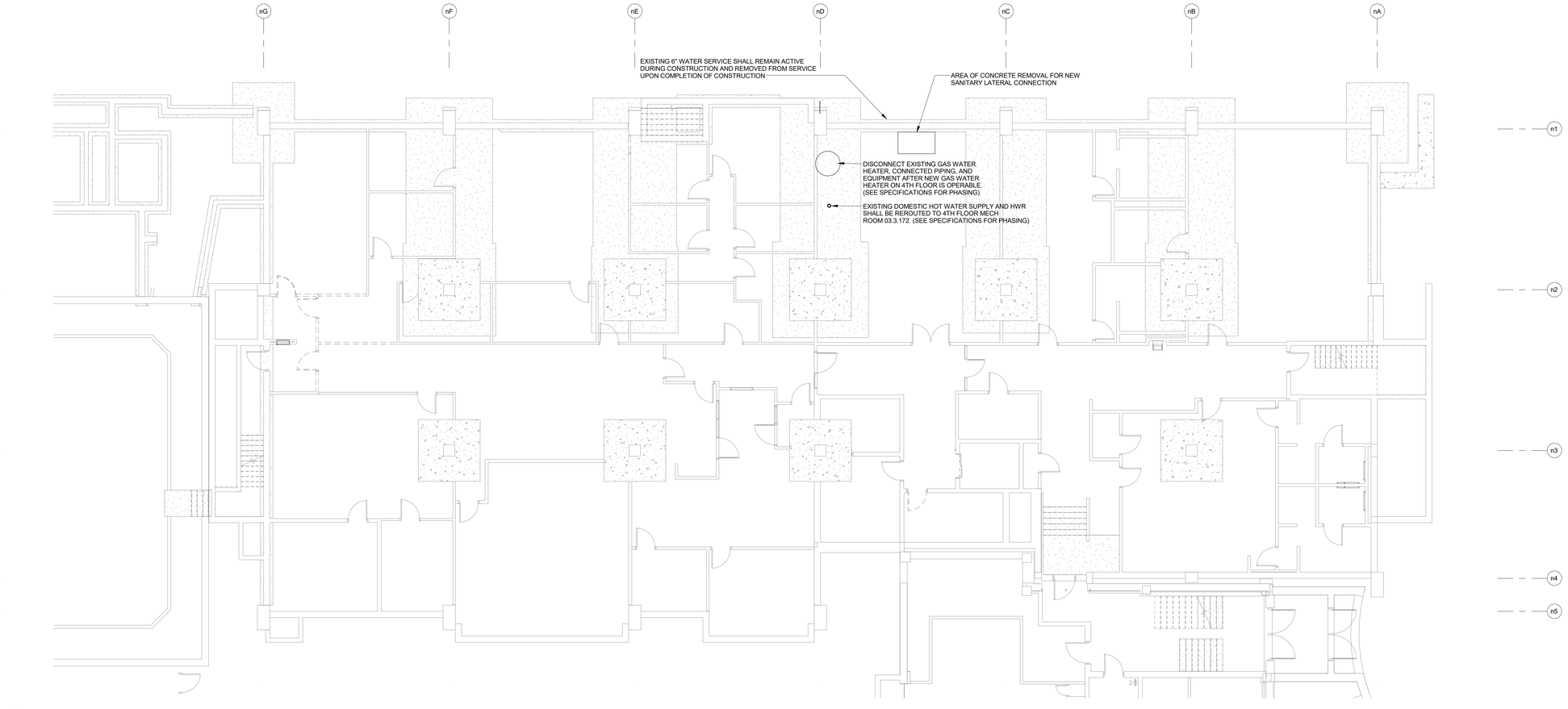
| NO. | DATE | REVISION |
|---|---|---|

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

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

DESIGNED NDK
DRAWN NDK
PROJECT NO. O0002-81600160
DATE MARCH 3, 2017
SHEET NO. P210

3/1/2017 1:17:52 PM




1 / P211 LEVEL 780.00 DEMO - HHS NORTH / OCAC SOUTH
1/8" = 1'-0"
0 4' 8' 16'

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: PO BOX 1645 NEENAH, WI 54957-1645
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

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

| NO. | DATE | REVISION |
|---|---|---|

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

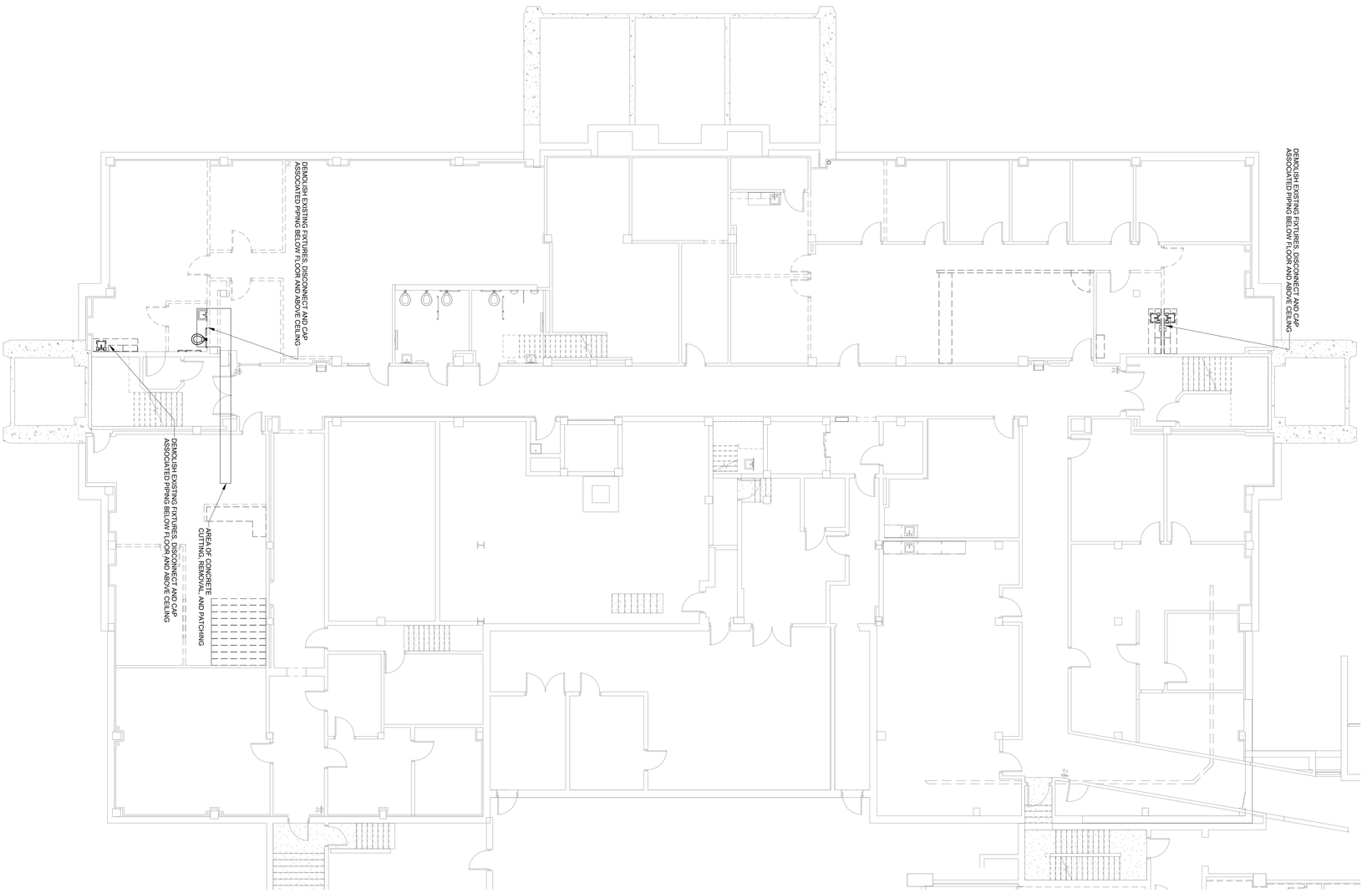
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P211

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

1
P212
LEVEL 790.00 DEMO - CAB
1/8" = 1'-0"
0 4 8 16




**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 790.00 - PLUMBING DEMOLITION PLAN - CAB**

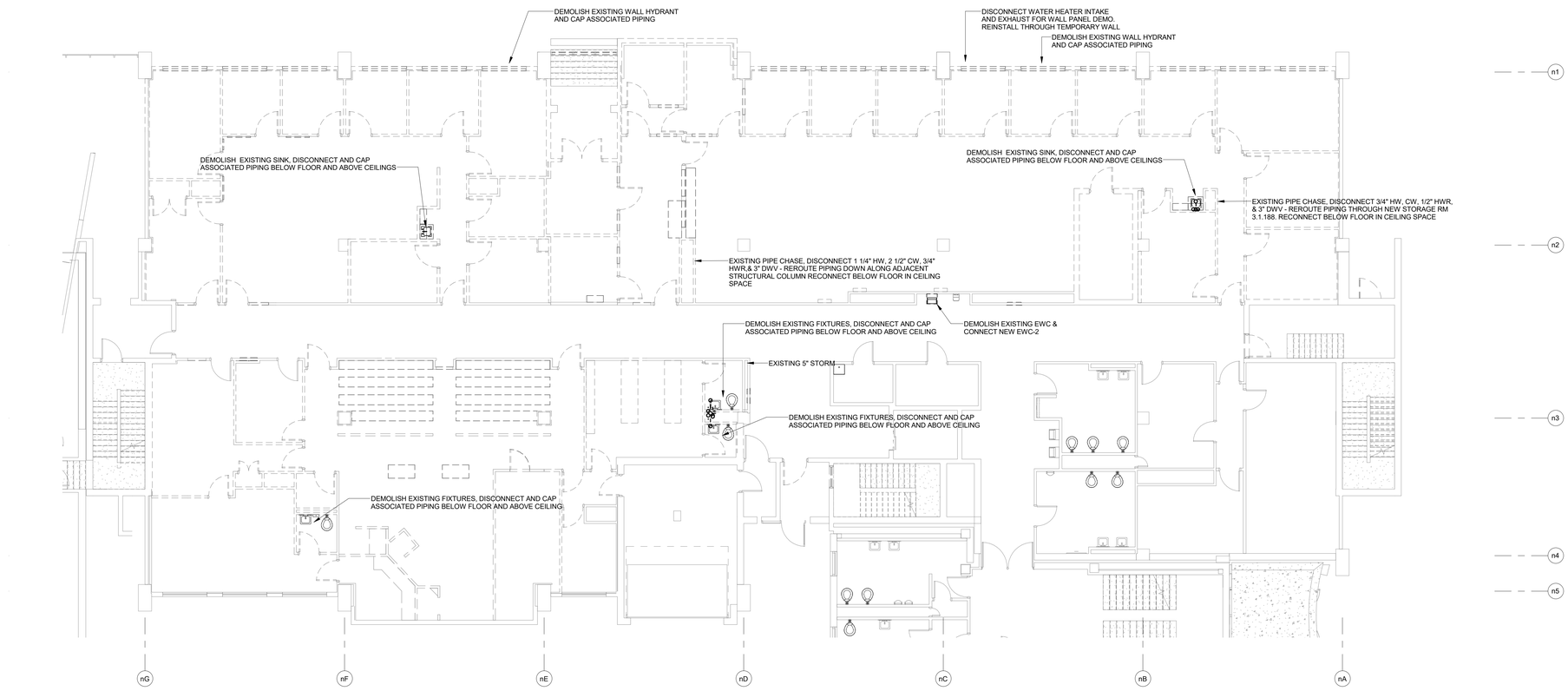
| NO | DATE | REVISION |
|---|---|---|

DESIGNED: NDK
DRAWN: NDK
PROJECT NO.: 00002.61920160
DATE: MARCH 3, 2017
SHEET NO.: P212

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

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

3/1/2017 1:17:53 PM




1 / P213 LEVEL 790.00 DEMO - HHS NORTH / OCAC SOUTH
1/8" = 1'-0" 0 4' 8' 16'

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: P.O. BOX 1645 NEENAH, WI 54957-1645
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

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

| NO. | DATE | REVISION |
|---|---|---|

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
P213

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

# ALTERATION / ADDITION

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

| NO | DATE | REVISION |
|---|---|---|
| | | |

DESIGNED: NDK | DRAWN: NDK
PROJECT NO: OA002-416001BD
DATE: MARCH 3, 2017
SHEET NO: P214

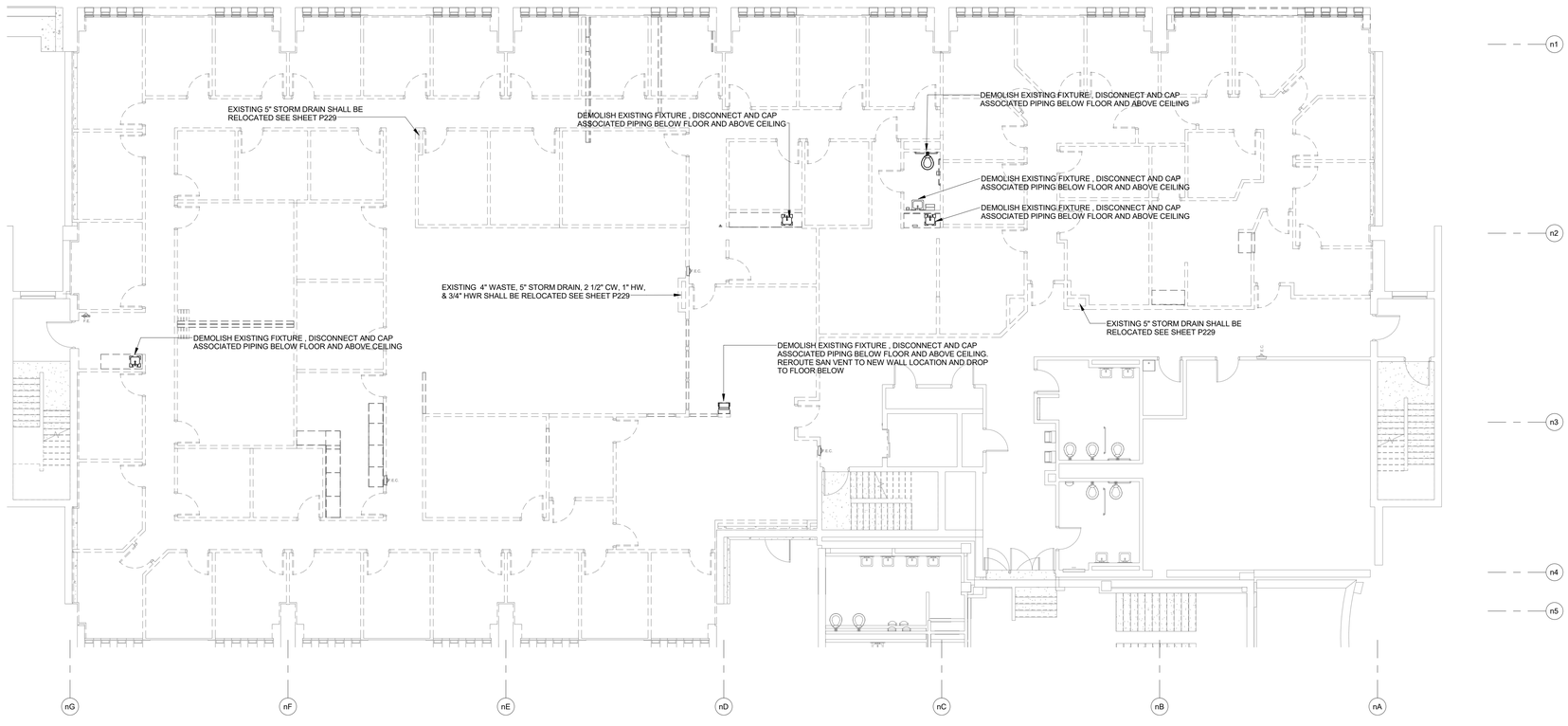
McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O.BOX 1025 NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgp.com

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




1 / P214 LEVEL 790.00 DEMO - JUSTICE CENTER
1/8" = 1'-0"
0 4' 8' 16'

3/1/2017 1:17:55 PM




1 / P215 LEVEL 805.00 DEMO - HHS NORTH / OCAC SOUTH

1/8" = 1'-0"

0 4' 8' 16'

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI (608) 662-1600 Rhinelander, WI (715) 362-1505
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

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

| NO | DATE | REVISION |
|---|---|---|
| | | |

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

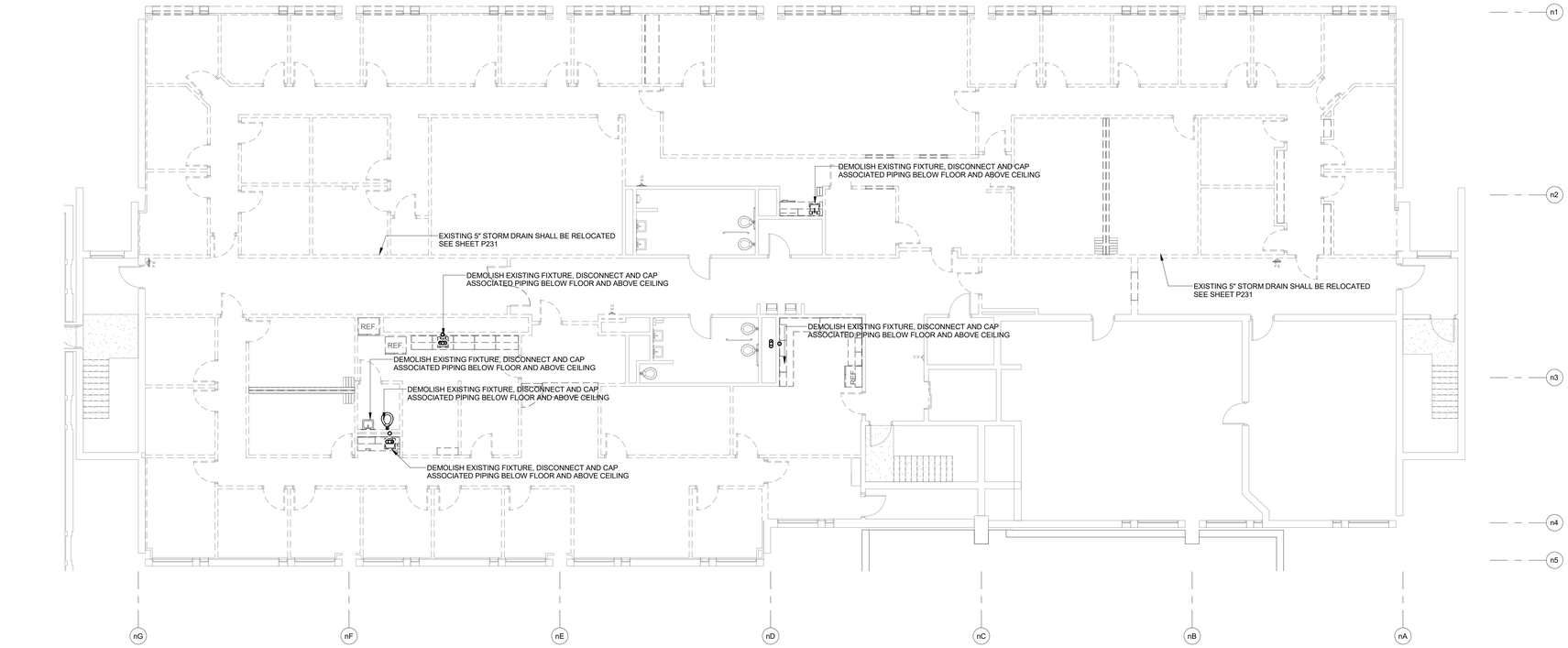
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P215

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:17:55 PM




1 / P216 LEVEL 820.00 DEMO - HHS NORTH / OCAC SOUTH
1/8" = 1'-0"
0 4' 8' 16'

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: PO BOX 1645 NEENAH, WI 54957-1645
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

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

| NO | DATE | REVISION |
|---|---|---|

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

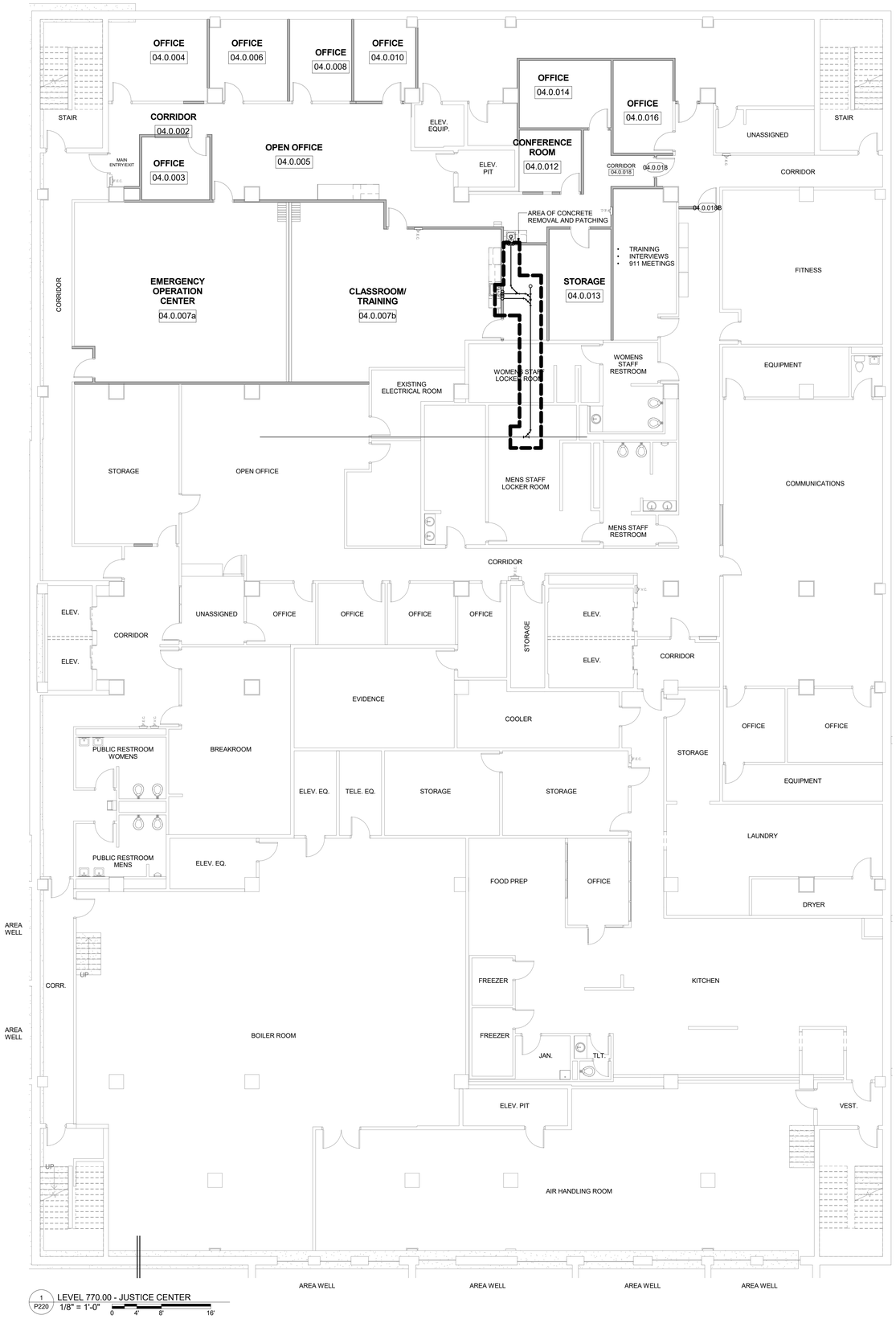
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P216

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:17:56 PM




1 / P220 LEVEL 770.00 - JUSTICE CENTER
1/8" = 1'-0"
0 4' 8' 16'

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: PO BOX 1645 NEENAH, WI 54957-1645
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

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

| NO. | DATE | REVISION |
|---|---|---|

**ALTERATION / ADDITION**
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 770.00 - ENLARGED PLUMBING PLAN - JUSTICE CENTER**

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P220

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

# ALTERATION / ADDITION

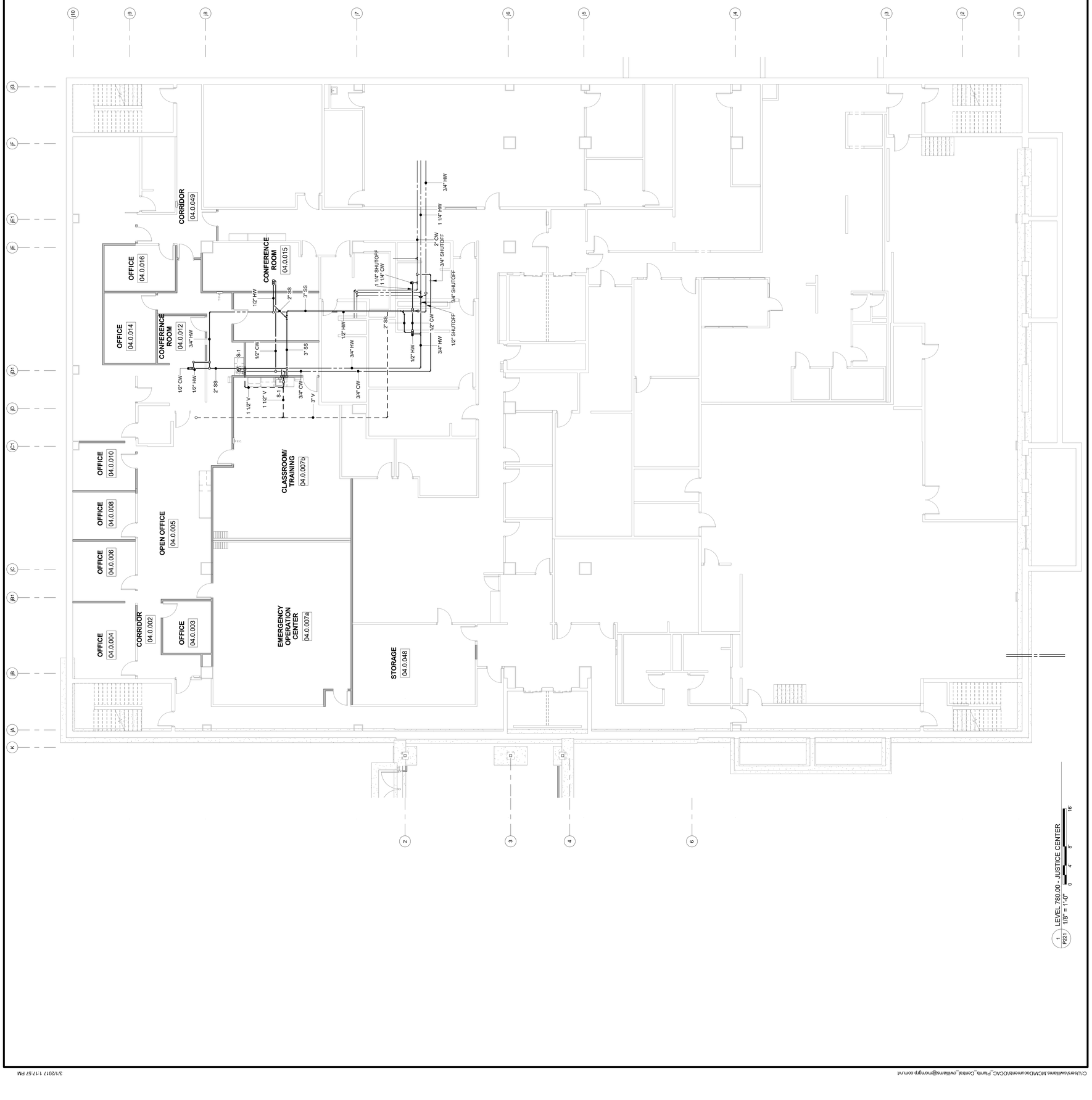
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 780.00 - ENLARGED PLUMBING PLAN - JUSTICE CENTER**

| NO. | DATE | REVISION |
|---|---|---|
| | | |

DESIGNED: NDK
DRAWN: NDK
PROJECT NO.: OA0024-R1501180
DATE: MARCH 3, 2017
SHEET NO.: P221

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

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



# ALTERATION / ADDITION

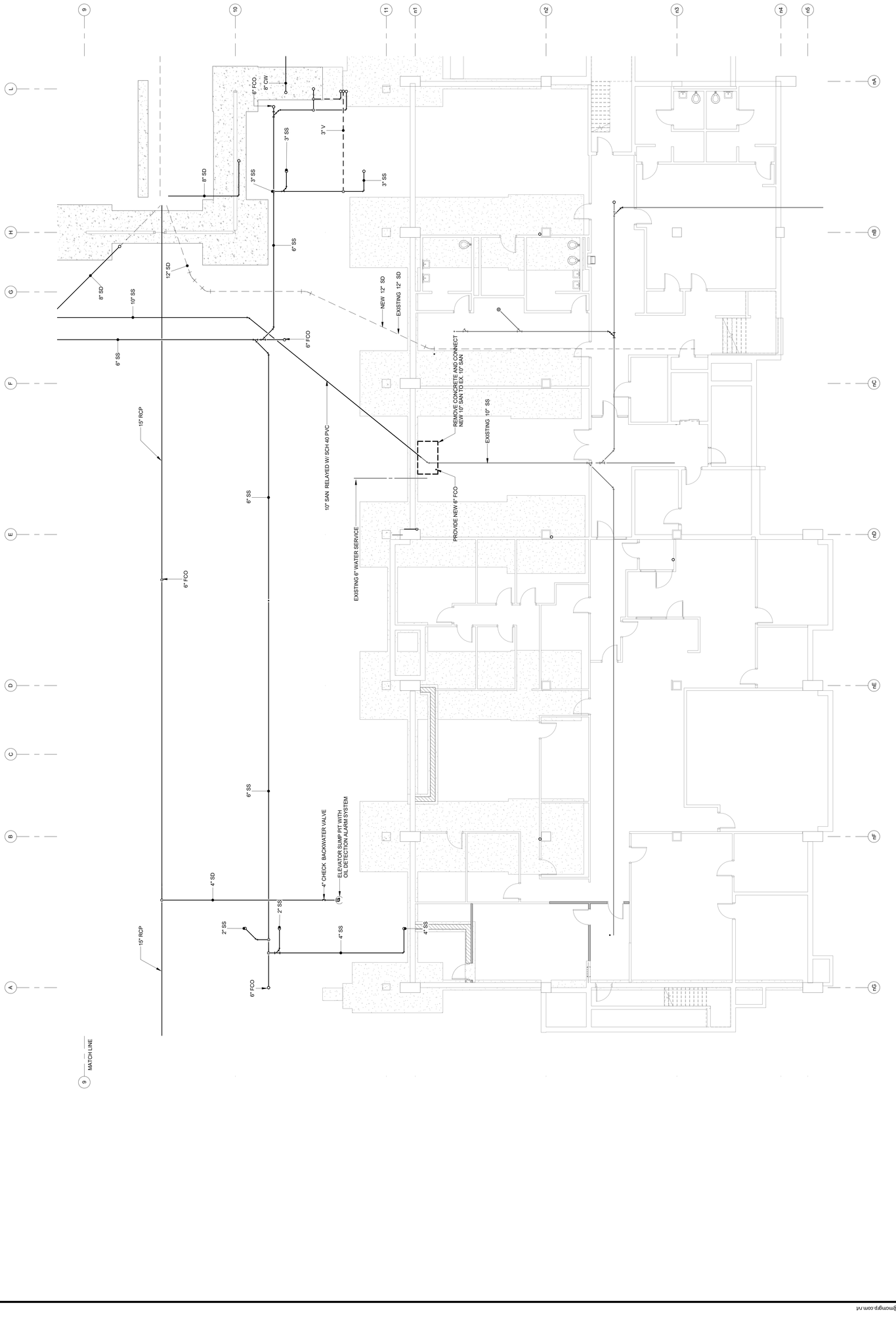
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 780.00 - ENLARGED PLUMBING PLAN - HHS NORTH / OCAC SOUTH**

| NO | DATE | REVISION |
|---|---|---|
| | | |

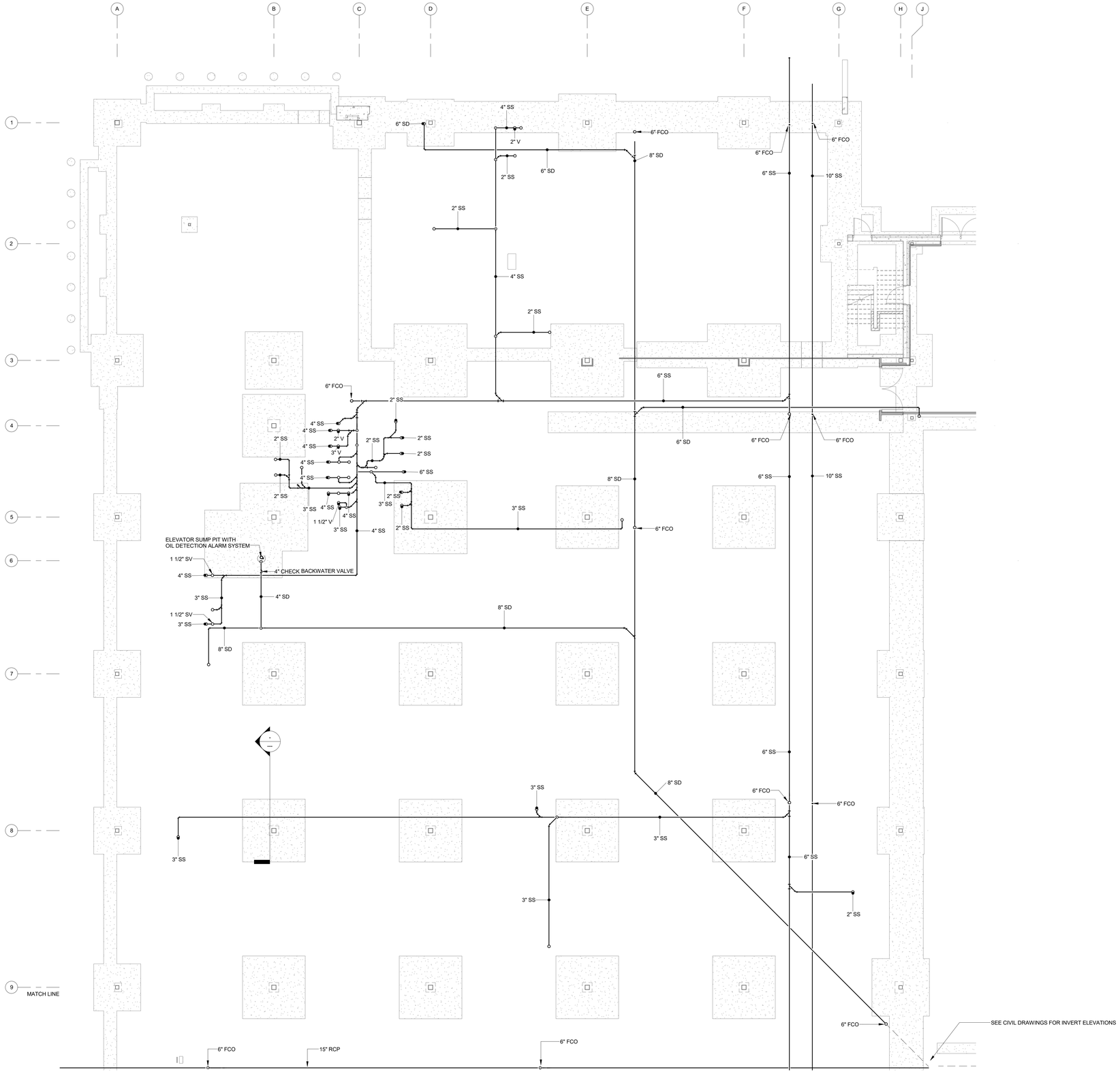
DESIGNED: NDK
DRAWN: NDK
PROJECT NO: OW002-416001/80
DATE: MARCH 3, 2017
SHEET NO: P222

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

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



3/1/2017 1:17:58 PM




1 / P223 LEVEL 780.00 - OCAC NORTH
1/8" = 1'-0"
0 4' 8' 16'


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



McMahon provides this drawing and digital media for use by you as instruments of service. All rights including copyrights are reserved by McMahon. You agree and/or recipient agrees to the following: Recipient agrees to indemnify and hold McMahon harmless for any misuse of changes made to the original drawing or data without prior written approval by McMahon.


| NO. | DATE | REVISION |
|---|---|---|

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

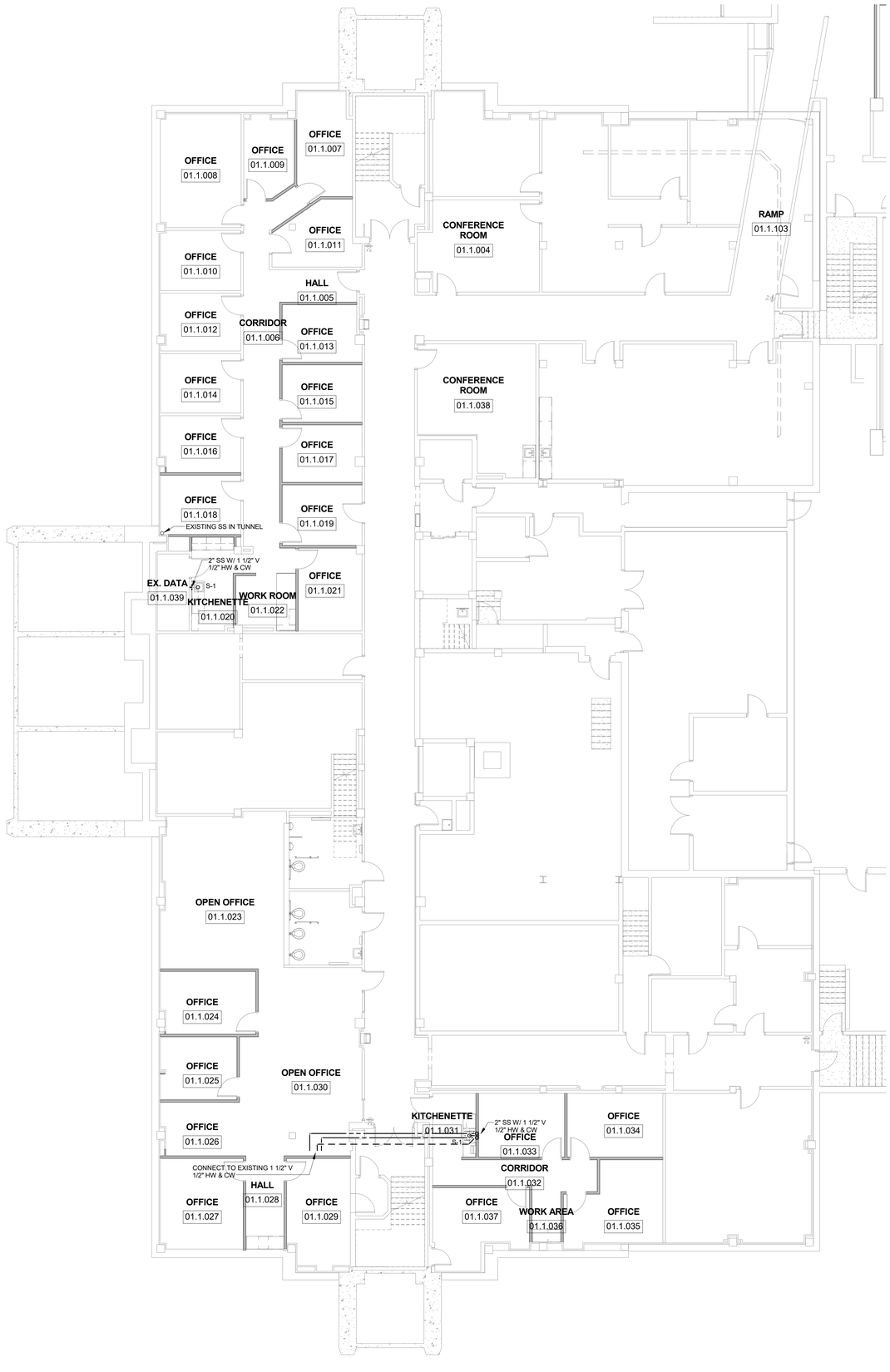
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P223

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:17:59 PM




1 / P224 LEVEL 790.00 - CAB
1/8" = 1'-0"
0 4' 8' 16'

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

McMahon provides this drawing and digital media for use on this project only. All rights reserved. Copyright. The recipient and/or recipient agrees to the indemnify and hold McMahon harmless for reuse of or changes made to the original drawing or data without prior written consent from McMahon.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

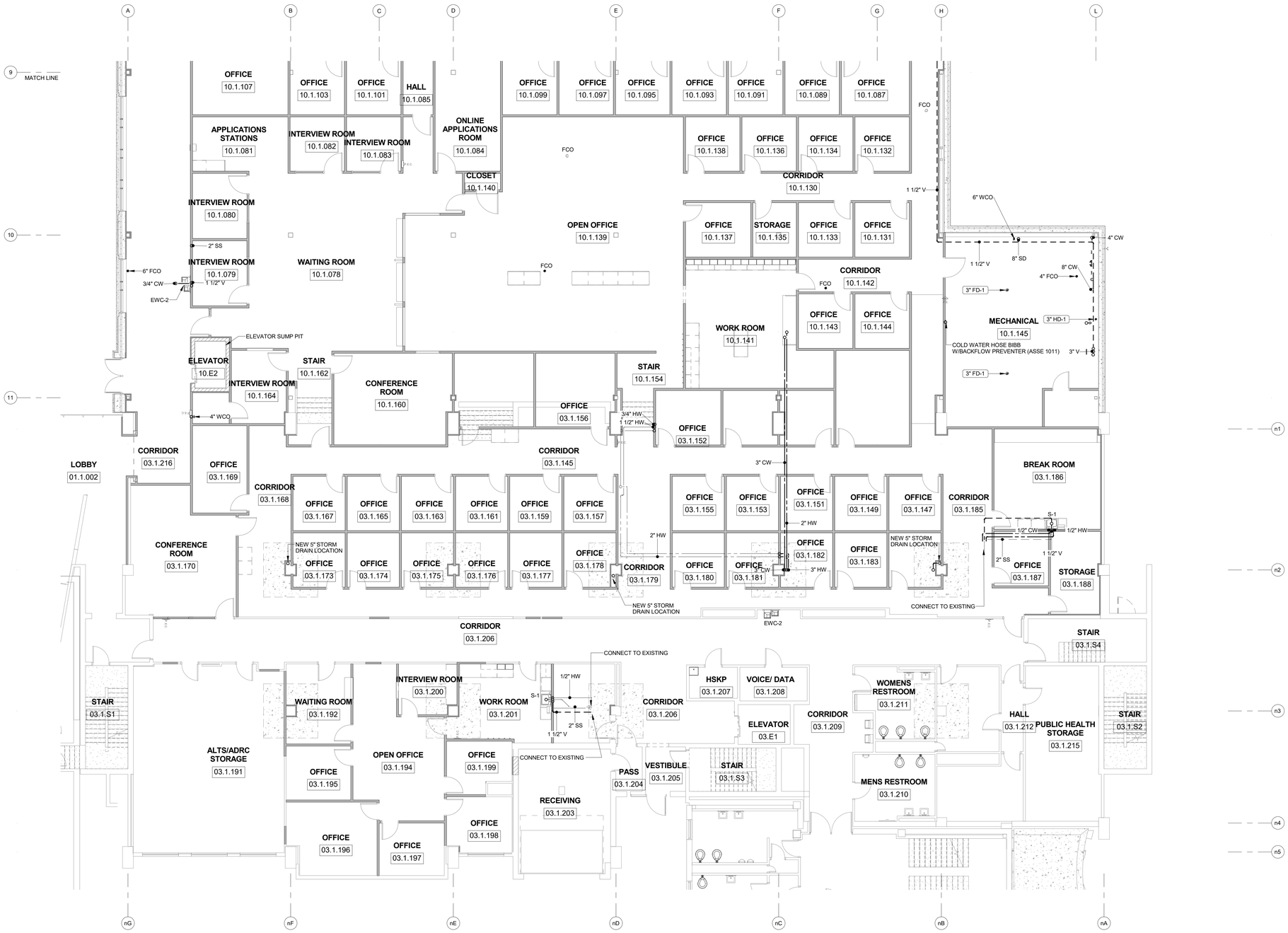
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P224

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:18:00 PM




1 / P225 LEVEL 790.00 - HHS NORTH / OCAC SOUTH
1/8" = 1'-0"
0 4' 8' 16'

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

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

REVISION
DATE
NO.

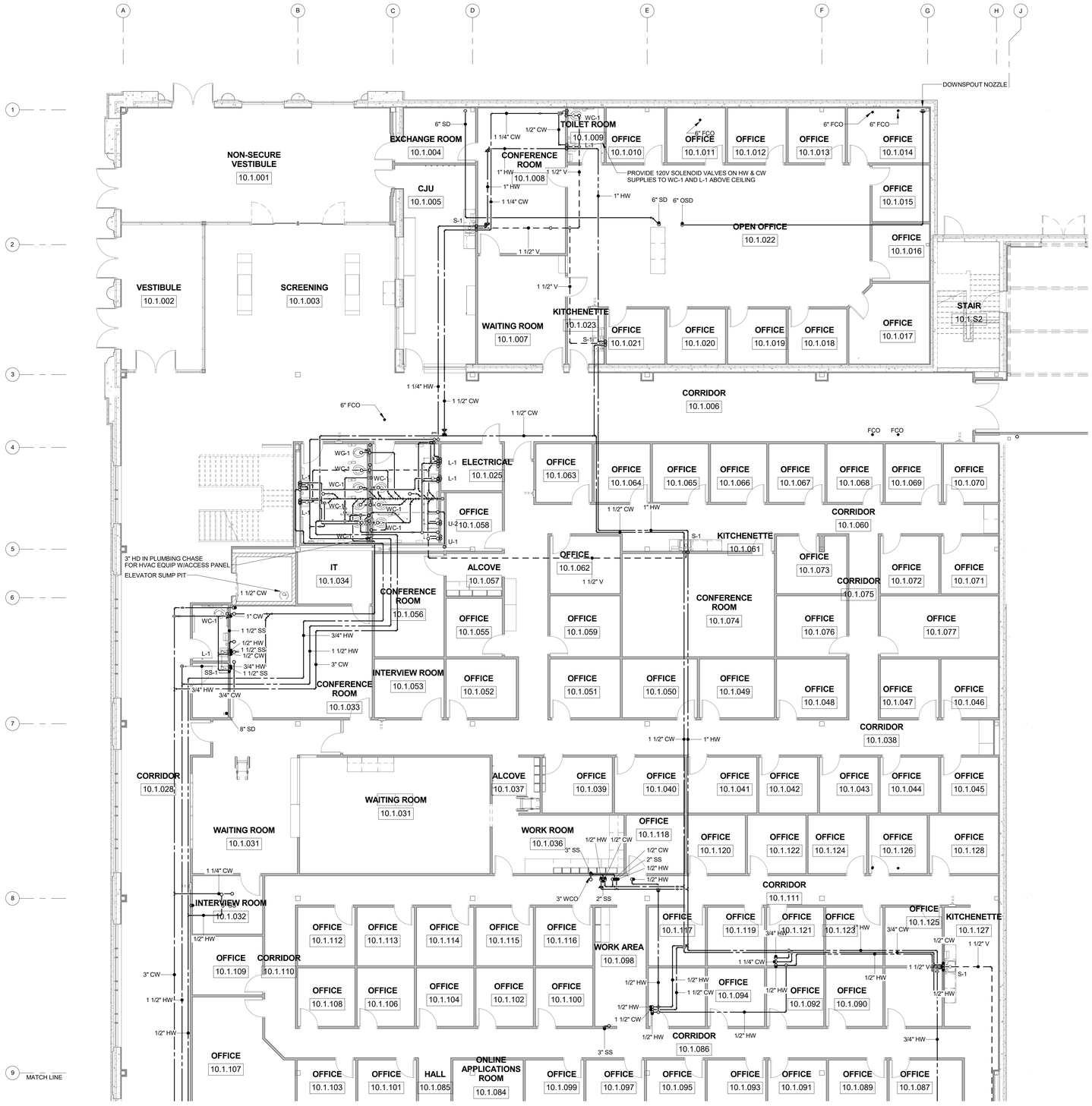
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON, WI 54911
LEVEL 790.00 - ENLARGED PLUMBING PLAN - HHS NORTH / OCAC SOUTH

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
P225

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:18:01 PM




1 P226 LEVEL 790.00 - OCAC NORTH
1/8" = 1'-0"
0 4' 8' 16'

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI (608) 241-8371 Milwaukee, WI (414) 431-1005
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

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

NO. | DATE | REVISION

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

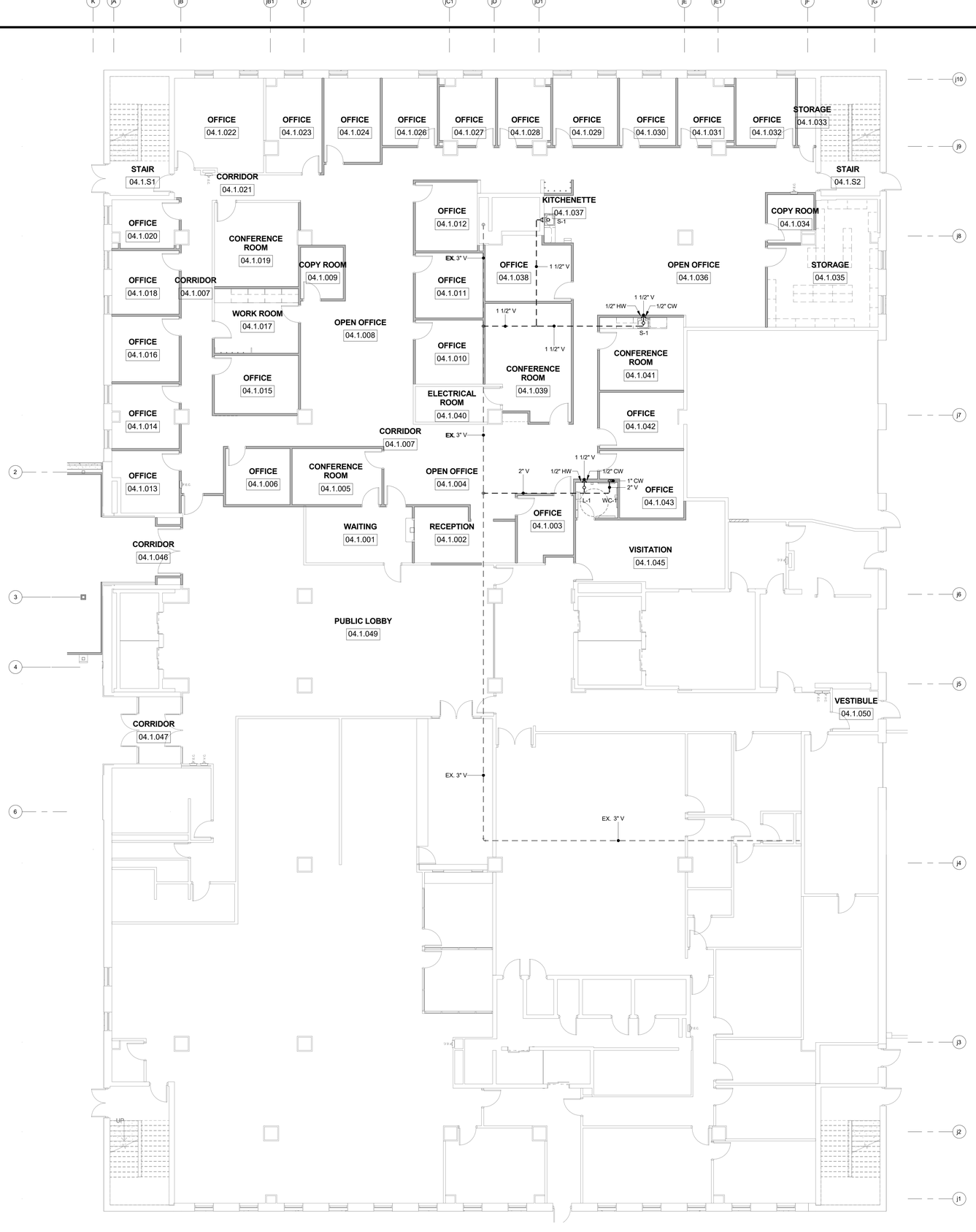
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P226

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:18:02 PM




1 / P227 LEVEL 790.00 - JUSTICE CENTER
1/8" = 1'-0"
0 4' 8' 16'

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: 1500 Fourier Drive, Madison, WI 53717-2105
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

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

| NO. | DATE | REVISION |
|---|---|---|
| | | |

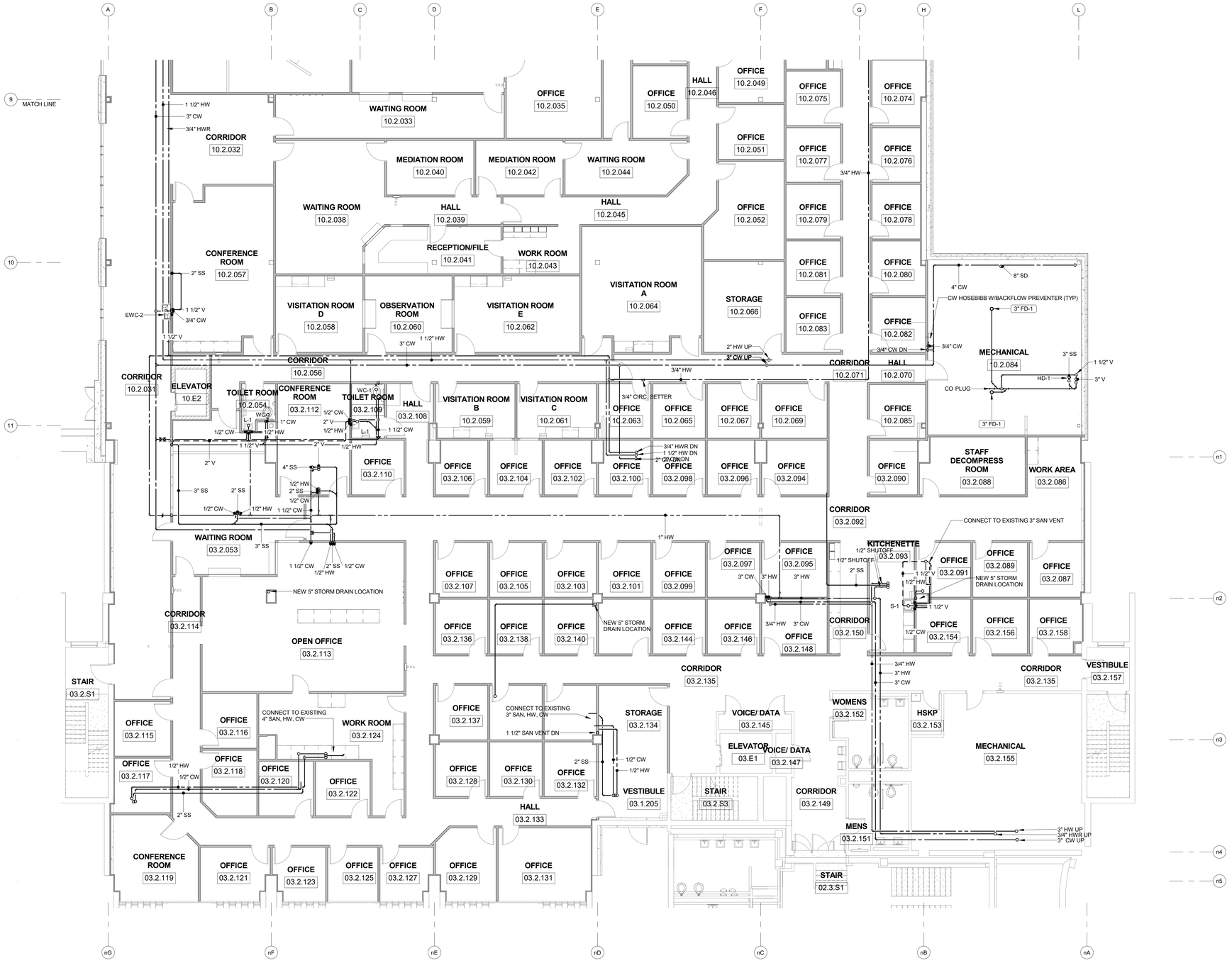
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON, WI 54911
LEVEL 790.00 - ENLARGED PLUMBING PLAN - JUSTICE CENTER

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
P227

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:18:03 PM




1 P228 LEVEL 805.00 - HHS NORTH / OCAC SOUTH
1/8" = 1'-0"
0 4' 8' 16'

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing Address: PO BOX 1645 NEENAH, WI 54957-1645
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

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

NO. | DATE | REVISION

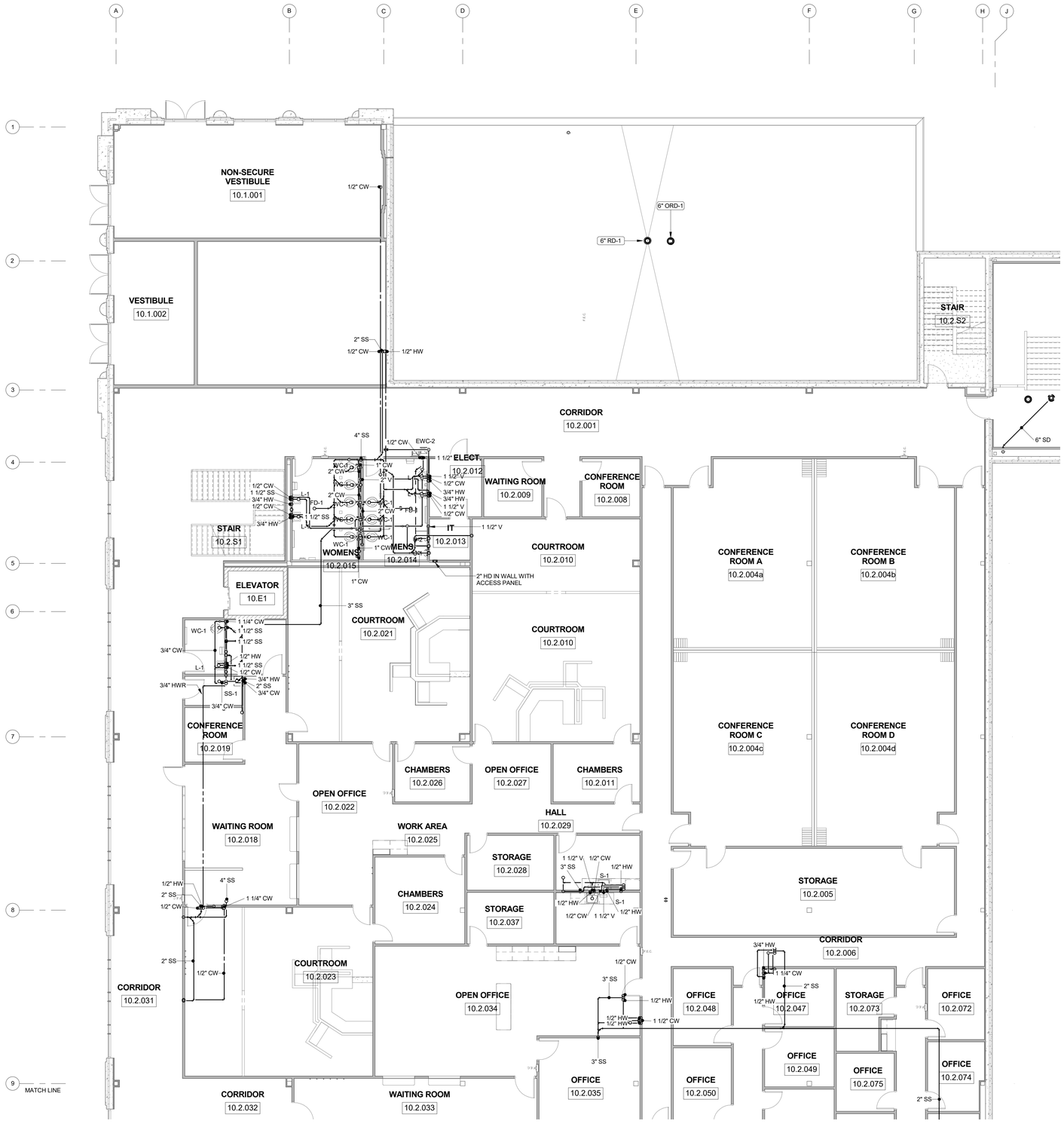
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON, WI 54911
LEVEL 805.00 - ENLARGED PLUMBING PLAN - HHS NORTH / OCAC SOUTH

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
P228

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:18:05 PM




1 P229 LEVEL 805.00 - OCAC NORTH
1/8" = 1'-0"
0 4' 8' 16'

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

McMahon provides this drawing and design as instruments of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the limitations and indemnifies and holds McMahon harmless from any reuse of or changes made to the original drawing or data without prior written consent of McMahon.

NO. | DATE | REVISION

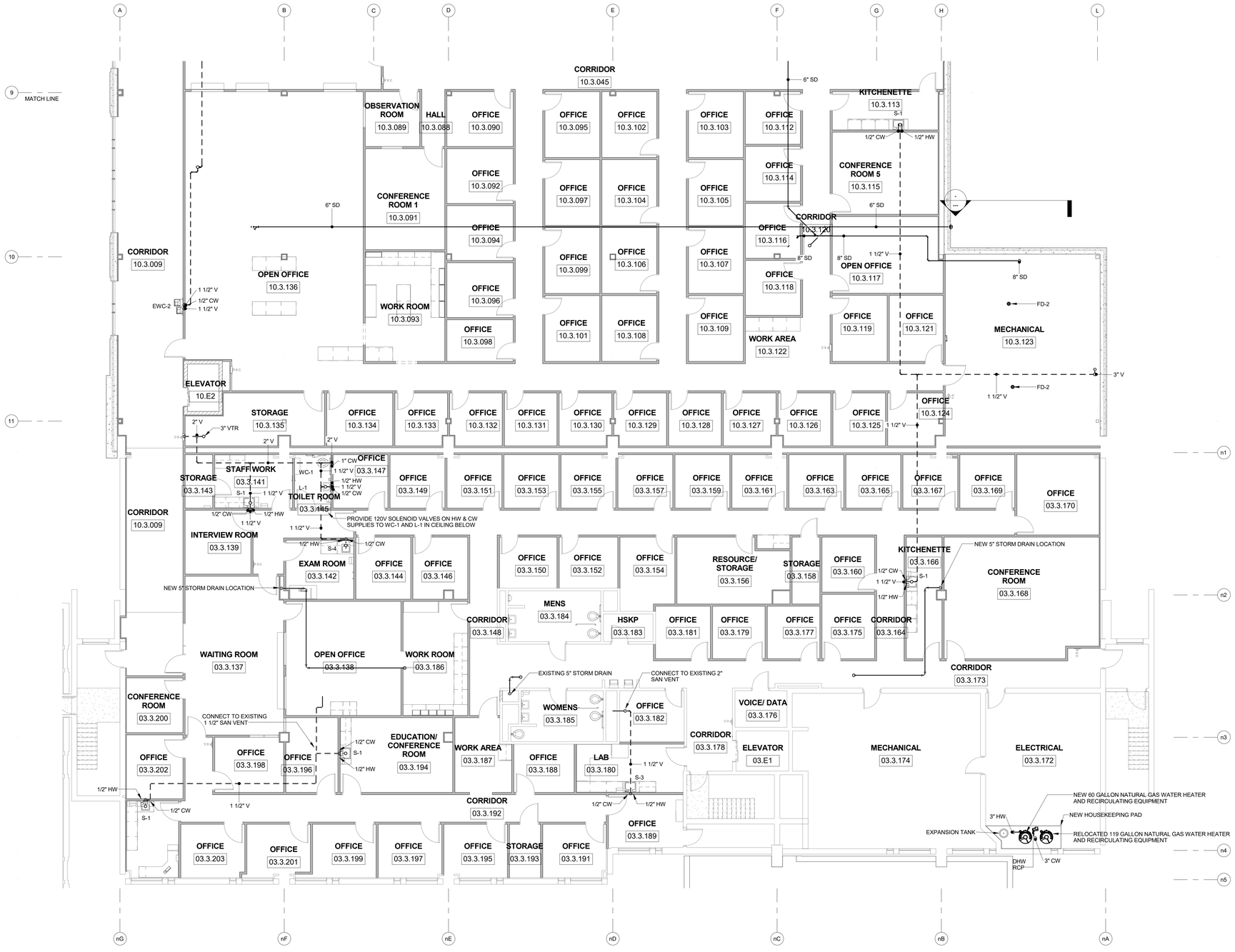
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON, WI 54911
LEVEL 805.00 - ENLARGED PLUMBING PLAN - OCAC NORTH

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
P229

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:18:06 PM




1 / P230 LEVEL 820.00 - HHS NORTH / OCAC SOUTH
1/8" = 1'-0"
0 4' 8' 16'

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

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

NO. | DATE | REVISION

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

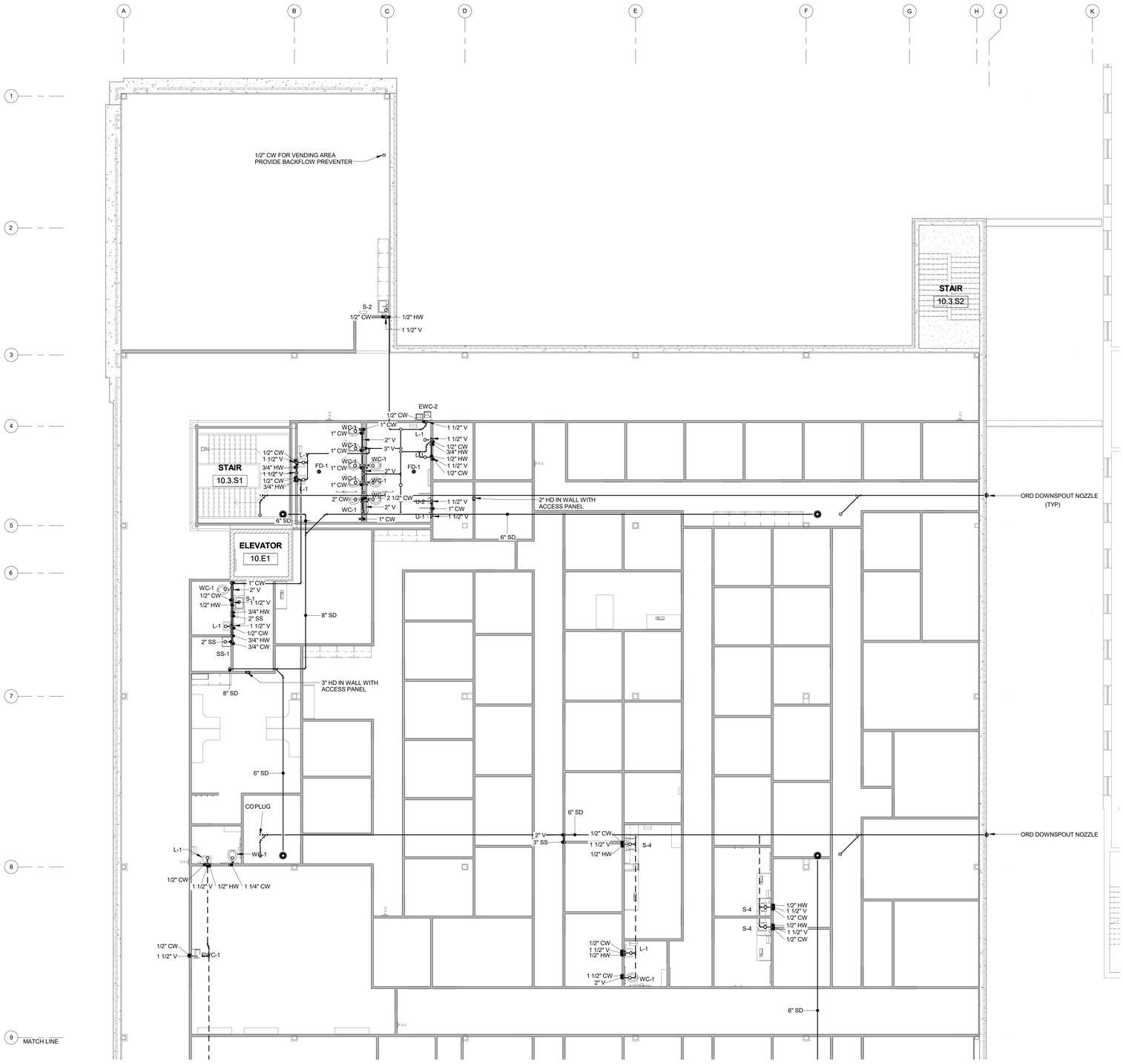
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P230

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:18:07 PM




1 P231 LEVEL 820.00 - OCAC NORTH
1/8" = 1'-0"
0 4' 8' 16'

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

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

| NO. | DATE | REVISION |
|---|---|---|
| | | |

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
P231

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

# ALTERATION / ADDITION

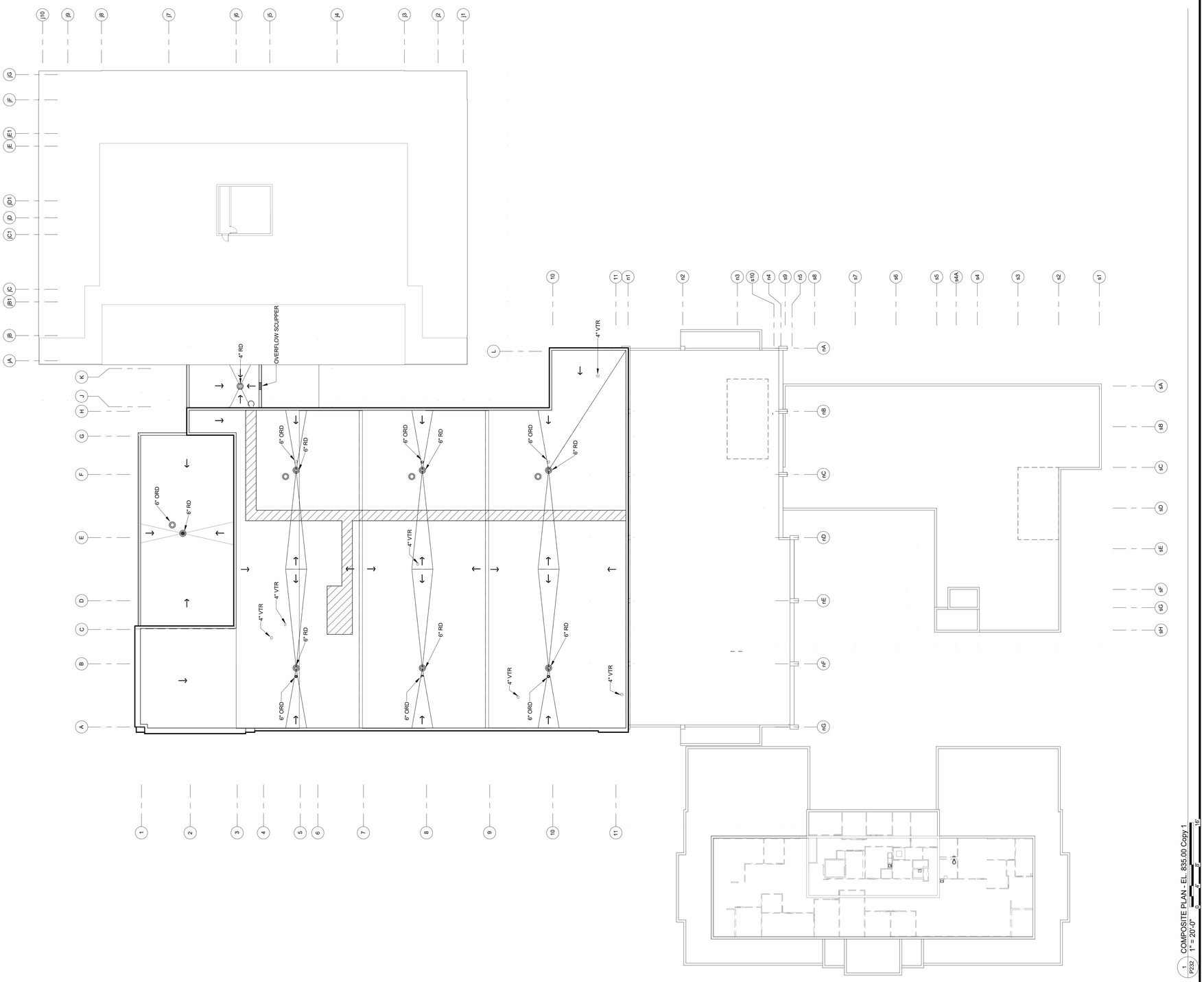
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 835.00 - ROOF DRAIN LAYOUT - HHS NORTH / OCAC SOUTH**

| NO | DATE | REVISION |
|---|---|---|

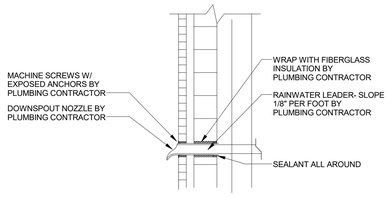
DESIGNED: NDK | DRAWN: NDK
PROJECT NO.: OA002418500180
DATE: MARCH 3, 2017
SHEET NO.: P232

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

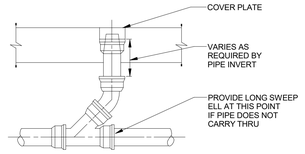
McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client is/are granted a limited license to use the drawing or data without prior written consent by McMahon. Any changes made to the original drawing or any reuse of or inference for any reuse of or to indirectly and hold McMahon harmless for any claims, damages or expenses arising out of such changes, reuse or modification.



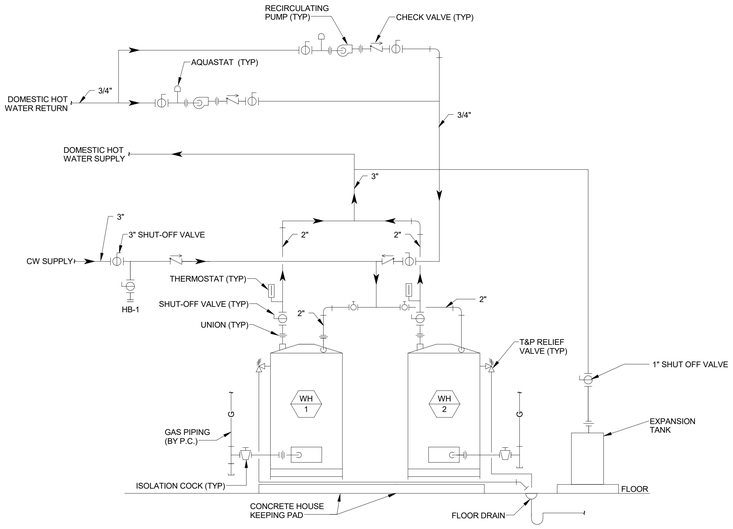
3/1/2017 1:18:08 PM



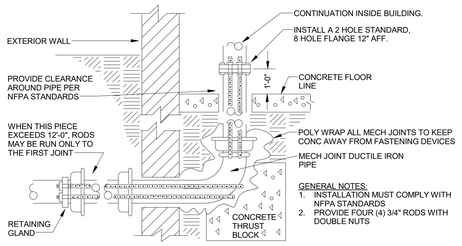

7 P501 RAINWATER LEADER NOZZLE OUTLET DETAIL
1/8" = 1'-0"



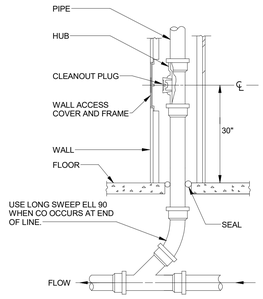

6 P501 CLEAN OUT AND PLUGGED RISER
1/8" = 1'-0"



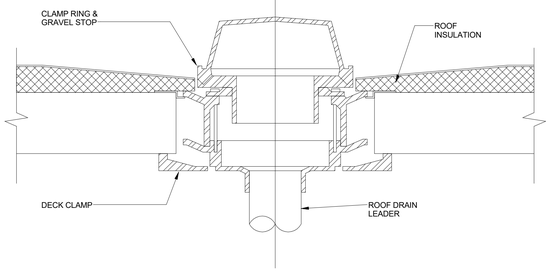

1 P501 WATER HEATER PIPING DETAIL - TWO HEATERS
1/8" = 1'-0"



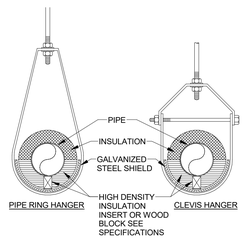

8 P501 WATER SERVICE LINE EXTENSION DETAIL
NO SCALE



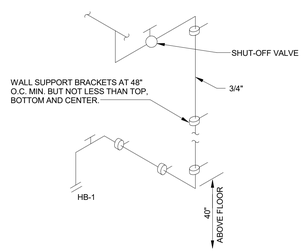

5 P501 WALL CLEAN OUT DETAIL
1/8" = 1'-0"




2 P501 ROOF DRAIN DETAIL
1/4" = 1'-0"




4 P501 INSULATED PIPE AT HANGER DETAIL
1/8" = 1'-0"




3 P501 INTERIOR HOSE BIBB PIPING RISER
1/8" = 1'-0"

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

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

| NO. | DATE | REVISION |
|---|---|---|
| | | |

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
P501

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:18:08 PM

## PLUMBING FIXTURE SCHEDULE

| FIXTURE SYMBOL | Domestic Circulating Hot Water Flow | DESCRIPTIION | MANUFACTURER | MODEL | MATERIAL DESCRIPTION | TRIM | | | | | FLOW FIXTURE | | | FLUSH FIXTURE | | PIPE CONNECTIONS | | | | SPECIFICATIONS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | MANUFACTURER | MODEL NO. | FINISH | TYPE | MOTION SENSOR CONTROL | FLOW | TIMER DURATION (SEC) | MAX. MIXED WATER TEMP. | VOLUME PER FLUSH | MIN. VOLUME PER FLUSH | SANITARY ROUGH-IN PIPE DIAMETER | VENT PIPE DIAMETER | COLD WATER ROUGH-IN PIPE DIAMETER | HOT WATER ROUGH-IN PIPE DIAMETER | COMMENTS | |
| EWC-1 | | ELECTRIC WATER COOLER | ELKAY | EZS8WSSK | GALVANIZED STEEL | | | STAINLESS STEEL CABINET | MANUAL | No | 0.1 GPM | | 105 °F | | | 2" | 1 1/2" | 1/2" | | SINGLE LEVEL WALL HUNG WATER COOLER WITH BOTTLE FILLING STATION. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, FLEXIGUARD SAFETY BUBBLER, REFRIGERATING SYSTEM, AIR COOLED, 120 VOLT, 60 CYCLE, SINGLE PHASE POWER CONNECTION, FULLY AUTOMATIC, COMPLETE AND READY TO OPERATE. | |
| EWC-2 | | ELECTRIC WATER COOLER - DUAL HEIGHT | ELKAY | E25TL8C | GALVANIZED STEEL | | | CHROME | MANUAL | No | 0.1 GPM | | 105 °F | | | 2" | 1 1/2" | 1/2" | 1/2" | TWO LEVEL WALL HUNG WATER COOLER WITH BOTTLE FILLING STATION. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, FLEXIGUARD SAFETY BUBBLER, REFRIGERATING SYSTEM, AIR COOLED, 120 VOLT, 60 CYCLE | |
| HB-1 | | HOSE BIBB | | | LEAD FREE | | | BRASS | | | 2.5 GPM | | | | | | | 1/2" | | INTERIOR HOSE BIBB WITH ASSE 1011 HOSE THREAD VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, LOCK SHIELD CAP, AND REMOVABLE "TEE" HANDLE. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB. | |
| HYD-1 | | EXTERIOR WALL HYDRANT | WOODFORD | 67 | STAINLESS STEEL | | | CHROME | | | 2.5 GPM | | | | | | | 3/4" | | NON-FREEZE TYPE WALL HYDRANT, WITH DOUBLE CHECK BACKFLOW PREVENTER, VALVE ON THE INSIDE OF THE WALL, SPOUT WITH BACKFLOW PREVENTER, AND LOOSE KEY SOCKET ON THE OUTSIDE OF THE WALL. MAKE ARRANGEMENTS WITH THE GENERAL CONTRACTOR TO PROVIDE THE NECESSARY RECESS IN THE WALL. WHERE A RISER TO A WALL HYDRANT OCCURS IN AN OUTSIDE WALL THE CONTRACTOR SHALL INSULATE THE CHASE WITH 2" STYROFOAM INSULATION ON ALL SIDES OF THE CHASE, EXCEPT THE INSIDE WALL OF THE CHASE. PROVIDE SHUTOFF VALVE IN ACCESSIBLE LOCATION. | VANDAL RESISTANT FREEZE PROOF WALL HYDRANT WITH INTEGRAL VACUUM BREAKER |
| LAV-1 | | LAVATORY - WALL HUNG - ADA | KOHLER | KINGSTON | WHITE VITREOUS CHINA | KOHLER | K-13467 | CHROME | ELECTRONIC | Yes | 0.5 GPM | 12 | 105 °F | | | 2" | 1 1/2" | 1/2" | 1/2" | WALL HUNG LAVATORY WITH BACKSPLASH,SINGLE FAUCET HOLE. DECK-MOUNTED FAUCET WITH SENSOR, BATTERY POWER WITH VANDAL RESISTANT SPRAY, EXTERNAL THERMOSTATIC MIXING VALVE, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH INSULATION KIT. | |
| OB-2 | | WALL OUTLET BOX | SIOUX CHIEF | 696 | | | | WHITE | | | | | | | | 2" | 1 1/2" | | | OUTLET BOX OR EQUIVALENT OF GUY GRAY WITH RECESSED 2" DRAIN. PROVIDE A 2" TRAPPED STANDPIPE IN CONCEALED WALL SPACE. | RECESSED IN WALL |
| S-1 | | SINK - SINGLE | ELKAY | LRAD2219-55-3 | STAINLESS STEEL | ELKAY | LK1000 | STAINLESS STEEL | MANUAL | No | 0.5 GPM | | 105 °F | | | 2" | 1 1/2" | 1/2" | 1/2" | SINGLE COMPARTMENT, ADA COMPLIANT, SELF-RIMMING, 18 GAUGE. SINGLE LEVER SWIVEL FAUCET. ONE ELKAY MODEL NO. LK35 BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS. | |
| S-2 | | SINK - DOUBLE | ELKAY | LRAD3321-55-3 | STAINLESS STEEL | ELKAY | LK1000 | STAINLESS STEEL | MANUAL | No | 0.5 GPM | | 105 °F | | | 2" | 1 1/2" | 1/2" | 1/2" | TWO-COMPARTMENT, ADA COMPLIANT, SELF-RIMMING, 18 GAUGE. SINGLE LEVER SWIVEL FAUCET. TWO LK35 BASKET STRAINERS, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS. | |
| S-3 | | 1-COMPARTMENT SINK | ELKAY | LRA252165LPD | STAINLESS STEEL | CHICAGO FAUCET CO | 786-E7CP | CHROME | MANUAL | No | 1.5 GPM | | 105 °F | | | 2" | 1 1/2" | 1/2" | 1/2" | SINGLE COMPARTMENT, ADA COMPLIANT, SELF-RIMMING, 18 GAUGE. WRISTBLADE HANDLES SWIVEL FAUCET. ONE ELKAY MODEL NO. LK35 BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS. | |
| S-4 | | 1-COMPARTMENT SINK | ELKAY | LRAD191860 | STAINLESS STEEL | CHICAGO FAUCET CO | 786-GNZFCXK CP | CHROME | MANUAL | No | 0.5 GPM | | 105 °F | | | 2" | 1 1/2" | 1/2" | 1/2" | SINGLE COMPARTMENT, ADA COMPLIANT,SELF-RIMMING, 18 GAUGE, WITH STRAINER AND FAUCET, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. PROVIDE WITH HAWS MODEL NO. 7620 FAUCET MOUNTED EYEWASH AXION EYEPOD. | |
| SS-1 | | SERVICE SINK | MUSTEE | 63M | POLYPROPYLENE | CHICAGO FAUCET CO | 897-CP | CHROME | MANUAL | No | 2.5 GPM | | 105 °F | | | 3" | 2" | 3/4" | 3/4" | SERVICE BASIN WITH CAP ON TWO SIDES., FAUCET SHALL INCLUDE PAIL HOOK AND ATMOSPHERIC VACUUM BREAKER SPOUT. FURNISH 5'-0" LENGTH OF 5-PLY GARDEN HOSE AND FITTINGS. | |
| U-1 | | URINAL | KOHLER | BARDON | WHITE VITREOUS CHINA | SLOAN | 8186-0.125 | CHROME | SOLAR | Yes | | | | | | 2" | 1 1/2" | | | WALL HUNG URINAL WITH WASHDOWN ACTION, TOP SPUD, SIZE 18" WITH INTEGRAL EXTENDED SHIELDS SUPPORTED BY THROUGH GOING BOLTS AND C.P. NUTS. SOLAR POWERED SENSOR ACTIVATED FLUSHOMETER. | |
| U-2 | | URINAL - ADA | KOHLER | BARDON | WHITE VITREOUS CHINA | SLOAN | 8186-0.125 | CHROME | SOLAR | No | 2.5 GPM | | 140 °F | | | 2" | 1 1/2" | 1/2" | 1/2" | WALL HUNG URINAL WITH WASHDOWN ACTION, TOP SPUD, SIZE 18" WITH INTEGRAL EXTENDED SHIELDS SUPPORTED BY THROUGH GOING BOLTS AND C.P. NUTS. SOLAR POWERED SENSOR ACTIVATED FLUSHOMETER MOUNTED AT ADA HEIGHT. | |
| WC-1 | | WATER CLOSET - FLOOR MOUNT - FLUSH VALVE - DOME~~D~~1% HOT | KOHLER | HIGHLINE | WHITE VITREOUS CHINA | SLOAN | 8111-1.28 | CHROME | SOLAR | Yes | | | | 1.28 gal | 1.28 gal | 4" | 2" | 1" | | ELONGATED WALL HUNG WATER CLOSET, 1-1/2" TOP SPUD, WITH CHURCH 295CT ELONGATED OPEN FRONT SEAT. SOLAR POWERED SENSOR ACTIVATED FLUSHOMETER. | |
| DHW | | | BELL & GOSSETT | ECOCIRC XL | | | | | ELECTRONIC | | | | | | | | | | | LEAD FREE DOMESTIC HOT WATER RECIRCULATING PUMP WITH ISOLATION FLANGES, 115V SINGLE PHASE MOTOR, WATTS RANGE 20 - 200 AND AMP RANGE 0.1 - 3.0. | INSTALL PER MANUFACTURERS REQUIREMENTS |
| RCP | | WATER RECIRC PUMP | | 36-45 | | | | | 115V | | | | | | | | | | | | |

## FLOOR DRAIN SCHEDULE

| FIXTURE SYMBOL | DESCRIPTIION | MANUFACTURER | MODEL | MATERIAL DESCRIPTION | | PIPE CONNECTIONS | | | SPECIFICATIONS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | DRAIN BODY | GRATE/STRAINER | WASTE PIPE DIAMETER | VENT PIPE DIAMETER | PRIMER PIPE DIAMETER | COMMENTS | |
| | AREA DRAIN - ROUND | WATTS | FD-343-Y-SET | EPOXY COATED CAST IRON | DUCTILE IRON | 3" | | | AREA DRAIN WITH ANCHOR FLANGE, BODY COLLAR WITH WEEPHOLES, AND 12IN DIAMETER ADJUSTABLE HEAVY DUTY ROUND TOP WITH HEEL PROOF GRATE. | INSTALL WITHOUT TRAP |
| | AREA DRAIN - ROUND | WATTS | FD-344-Y-SET | EPOXY COATED CAST IRON | DUCTILE IRON | 4" | | | AREA DRAIN WITH ANCHOR FLANGE, BODY COLLAR WITH WEEPHOLES, AND 12IN DIAMETER ADJUSTABLE HEAVY DUTY ROUND TOP WITH HEEL PROOF GRATE. | INSTALL WITHOUT TRAP |
| | AREA DRAIN - ROUND | WATTS | FD-345-Y-SET | EPOXY COATED CAST IRON | DUCTILE IRON | 5" | | | AREA DRAIN WITH ANCHOR FLANGE, BODY COLLAR WITH WEEPHOLES, AND 12IN DIAMETER ADJUSTABLE HEAVY DUTY ROUND TOP WITH HEEL PROOF GRATE. | INSTALL WITHOUT TRAP |
| | AREA DRAIN - ROUND | WATTS | FD-346-Y-SET | EPOXY COATED CAST IRON | DUCTILE IRON | 6" | | | AREA DRAIN WITH ANCHOR FLANGE, BODY COLLAR WITH WEEPHOLES, AND 12IN DIAMETER ADJUSTABLE HEAVY DUTY ROUND TOP WITH HEEL PROOF GRATE. | INSTALL WITHOUT TRAP |
| | AREA DRAIN - ROUND | WATTS | FD-348-Y-SET | EPOXY COATED CAST IRON | DUCTILE IRON | 8" | | | AREA DRAIN WITH ANCHOR FLANGE, BODY COLLAR WITH WEEPHOLES, AND 12IN DIAMETER ADJUSTABLE HEAVY DUTY ROUND TOP WITH HEEL PROOF GRATE. | INSTALL WITHOUT TRAP |
| FD-1 | FLOOR DRAIN - ROUND | Zurn Industries, LLC | ZN-415-B | EPOXY COATED CAST IRON | NICKEL BRONZE | 3" | 2" | | FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, AND ADJUSTABLE HEAVY DUTY ROUND HEEL PROOF STRAINER. | |
| FD-2 | FLOOR DRAIN - ROUND | Zurn Industries, LLC | Z-508-S | EPOXY COATED CAST IRON | DUCTILE IRON | 2" | | | . | |
| HD-1 | HUB DRAIN | WATTS | FD-103-DD | EPOXY COATED CAST IRON | NICKEL BRONZE | 3" | 2" | | FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, AND ADJUSTABLE CAST IRON HUB FUNNEL. | |

## PIPE ACCESSORY SCHEDULE

| COUNT | NOMINAL DIAMETER | UNIT NO. | SYMBOL | DESCRIPTION | MANUFACTURER | MODEL | MATERIAL | FLUID PROPERTIES | | | | VALVE PROPERTIES | | | | | SPECIFICATION | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | TYPE | ENTERING TEMP. | FLOW | PRESSURE DROP | RATED FLOW | PRESSURE DROP AT RATED FLOW | MAXIMUM ALLOWABLE WORKING PRESSURE | MAXIMUM ALLOWABLE WORKING TEMPERATURE | HYDROSTATIC TEST PRESSURE | | |
| 1 | 6" | 166 | DCDA | DCDA Double Check Detector Assembly | Zurn Wilkins | 350 DA | | | | 0.0 GPM | | 1000.0 GPM | 11.5 ftH2O | 403.7 ftH2O | 140 °F | 807.4 ftH2O | | |
| 20 | 1/2" | | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 11 | 3/4" | | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 6 | 1" | | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 6 | 1 1/4" | | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 3 | 1 1/2" | | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 1 | 2" | 115 | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 3 | 2 1/2" | | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 2 | 3" | | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 2 | 4" | | SHUTOFF | 1/4 TURN BALL VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 2 | 4" | | CHECK | CHECK VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 1 | 1 1/4" | 188 | CHECK | CHECK VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 2 | 1/2" | | CIRC. SETTER | CIRCUIT SETTER VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |
| 1 | 3/4" | 185 | CIRC. SETTER | CIRCUIT SETTER VALVE | | | | | -460 °F | 0.0 GPM | 0.0 ftH2O | 0.0 GPM | 0.0 ftH2O | 0.0 ftH2O | -460 °F | 0.0 ftH2O | | |

## STORM DRAIN SCHEDULE

| FIXTURE SYMBOL | DESCRIPTIION | MANUFACTURER | MODEL | MATERIAL DESCRIPTION | | WASTE | STORM SIZING | | SPECIFICATIONS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | DRAIN BODY | STRAINER | PIPE DIAMETER | ROOF DRAIN AREA | RAINFALL RATE (INCHES PER HOUR) | COMMENTS | |
| RD-1 | PRIMARY ROOF DRAIN | Zurn Industries, LLC | Z-100-EA-C | EPOXY COATED CAST IRON | POLYETHYLENE | 4" | 0 | 0.0 | LARGE SUMP ROOF DRAIN WITH FLASHING CLAMP WITH INTEGRAL GRAVEL STOP, SELF-LOCKING DOME, AND NO HUB OUTLET. | |
| RD-1 | PRIMARY ROOF DRAIN | Zurn Industries, LLC | Z-100-EA-C | EPOXY COATED CAST IRON | POLYETHYLENE | 5" | 0 | 0.0 | LARGE SUMP ROOF DRAIN WITH FLASHING CLAMP WITH INTEGRAL GRAVEL STOP, SELF-LOCKING DOME, AND NO HUB OUTLET. | |
| RD-1 | PRIMARY ROOF DRAIN | Zurn Industries, LLC | Z-100-EA-C | EPOXY COATED CAST IRON | POLYETHYLENE | 6" | 0 | 0.0 | LARGE SUMP ROOF DRAIN WITH FLASHING CLAMP WITH INTEGRAL GRAVEL STOP, SELF-LOCKING DOME, AND NO HUB OUTLET. | |
| ORD-1 | OVERFLOW ROOF DRAIN | Zurn Industries, LLC | Z-100-EA-C-W2 | EPOXY COATED CAST IRON | POLYETHYLENE | 6" | 0 | 0.0 | LARGE SUMP ROOF DRAIN WITH FLASHING CLAMP WITH INTEGRAL GRAVEL STOP, SELF-LOCKING DOME, NO HUB OUTLET, AND 2" HIGH WATER DAM COLLAR. | LARGE SUMP OVERFLOW ROOF DRAIN WITH INTEGRAL GRAVEL STOP AND 2" HIGH WATER DAM COLLAR |

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: 2018 Rimrock Road Suite 1000 Madison, WI 53713
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and all electronic media "as is" as instrument of service. All rights including copyrights are reserved by McMahon. The client and/or recipient agrees to the indemnify and hold McMahon harmless from any claims or changes made to the original drawing or data without prior written permission from McMahon.

NO. | DATE | REVISION

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

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
P601

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

# ALTERATION / ADDITION

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

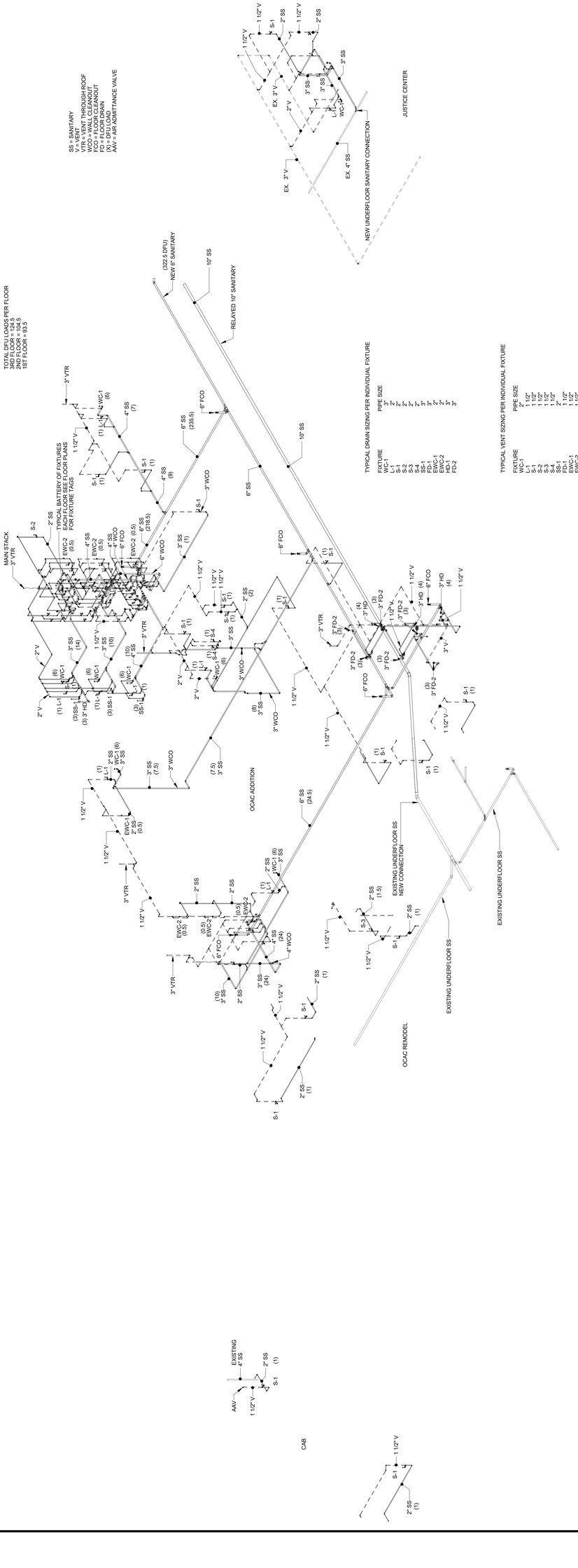
## PLUMBING RISER DIAGRAMS

| NO | DATE | REVISION |
|---|---|---|

DESIGNED: NDK | DRAWN: NDK
PROJECT NO: C00024-R1620180
DATE: MARCH 3, 2017
SHEET NO: P901

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

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client is hereby granted a limited license to use the drawing for the purpose stated herein. Reuse, modification or alteration of this drawing without the prior written consent of McMahon is prohibited. Any unauthorized use, modification or alteration will be at the user's risk and the user agrees to hold harmless and indemnify McMahon from any and all claims, damages, losses and expenses including attorney's fees arising out of such unauthorized use, modification or alteration.


SS = SANITARY
V = VENT
VTR = VENT THROUGH ROOF
WCO = WALL CLEANOUT
FCO = FLOOR CLEANOUT
FD = FLOOR DRAIN
(X) = DFU LOAD
AAV = AIR ADMITTANCE VALVE
TOTAL DFU LOADS PER FLOOR
3RD FLOOR = 254.5
2ND FLOOR = 104.5
1ST FLOOR = 93.5
MAIN STACK
3" VTR
TYPICAL BATTERY OF FIXTURES EACH FLOOR SEE FLOOR PLANS FOR FIXTURE UNITS
(322.5 DFU) NEW 6" SANITARY
10" SS
RELAYED 10" SANITARY
NEW UNDERFLOOR SANITARY CONNECTION
JUSTICE CENTER
EX. 3" V
EX. 4" SS
EX. 3" V
2" V
3" SS
2" SS
1 1/2" V
S-1
WC-1
L-1
EWC-1
EWC-2
FD-1
FD-2
HD-1
TYPICAL DRAIN SIZING PER INDIVIDUAL FIXTURE
FIXTURE PIPE SIZE
WC-1 3"
L-1 2"
S-1 2"
S-2 2"
S-3 2"
S-4 2"
SS-1 3"
FD-1 2"
EWC-1 2"
EWC-2 3"
HD-1 2"
FD-2 3"
TYPICAL VENT SIZING PER INDIVIDUAL FIXTURE
FIXTURE PIPE SIZE
WC-1 1 1/2"
L-1 1 1/2"
S-1 1 1/2"
S-2 1 1/2"
S-3 1 1/2"
S-4 1 1/2"
SS-1 2"
FD-1 1 1/2"
EWC-1 1 1/2"
EWC-2 1 1/2"
HD-1 1 1/2"
FD-2 1 1/2"
OCAC ADDITION
OCAC REMODEL
EXISTING UNDERFLOOR SS
EXISTING UNDERFLOOR SS
EXISTING UNDERFLOOR SS NEW CONNECTION
CAB
EXISTING 4" SS
AAV
1 1/2" V
2" SS (1)
2" SS (1.5)
4" SS (24)
3" SS (24)
3" SS (7.5)
6" SS (24.5)
6" SS (235.5)
10" SS
3" WCO
4" WCO
6" FCO
3" VTR
3" FD-2
3" HD
(10) 3" SS
(7.5) 3" SS
(0.5) EWC-2
2" SS (0.5)
4" SS (7)
4" SS (9)
3" SS (14)
3" SS (10)
4" SS (10)
2" SS (6)
3" HD (6)
3" SS-1 (6)
2" SS (2)
3" SS (1)
4" SS (18.5)
4" SS (6)
4" WCO (6)
6" FCO (6)
6" WCO (6)
EWC-2 (0.5)
EWC-2 (18.5)
EWC-2 (0.5)
2" SS (6)
3" SS (8)
3" SS (7.5)
3" WCO (7.5)
3" SS (7.5)
3" WCO (8)
3" SS (8)
3" WCO (6)
3" SS (6)
3" WCO (6)
3" SS (6)
3" WCO (6)
3" SS (6

# ALTERATION / ADDITION

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

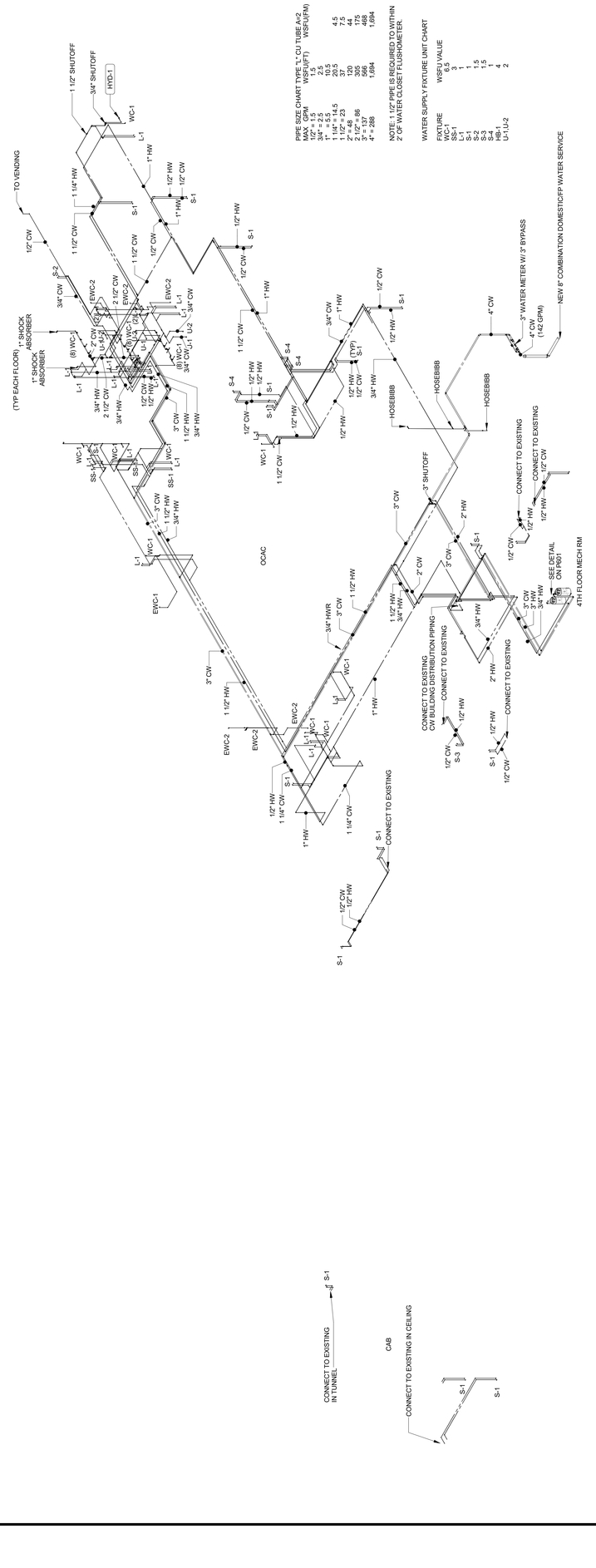
| NO. | DATE | REVISION |
|---|---|---|
| | | |

DESIGNED: NDK | DRAWN: NDK
PROJECT NO: OA002418020180
DATE: MARCH 3, 2017
SHEET NO: P902


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



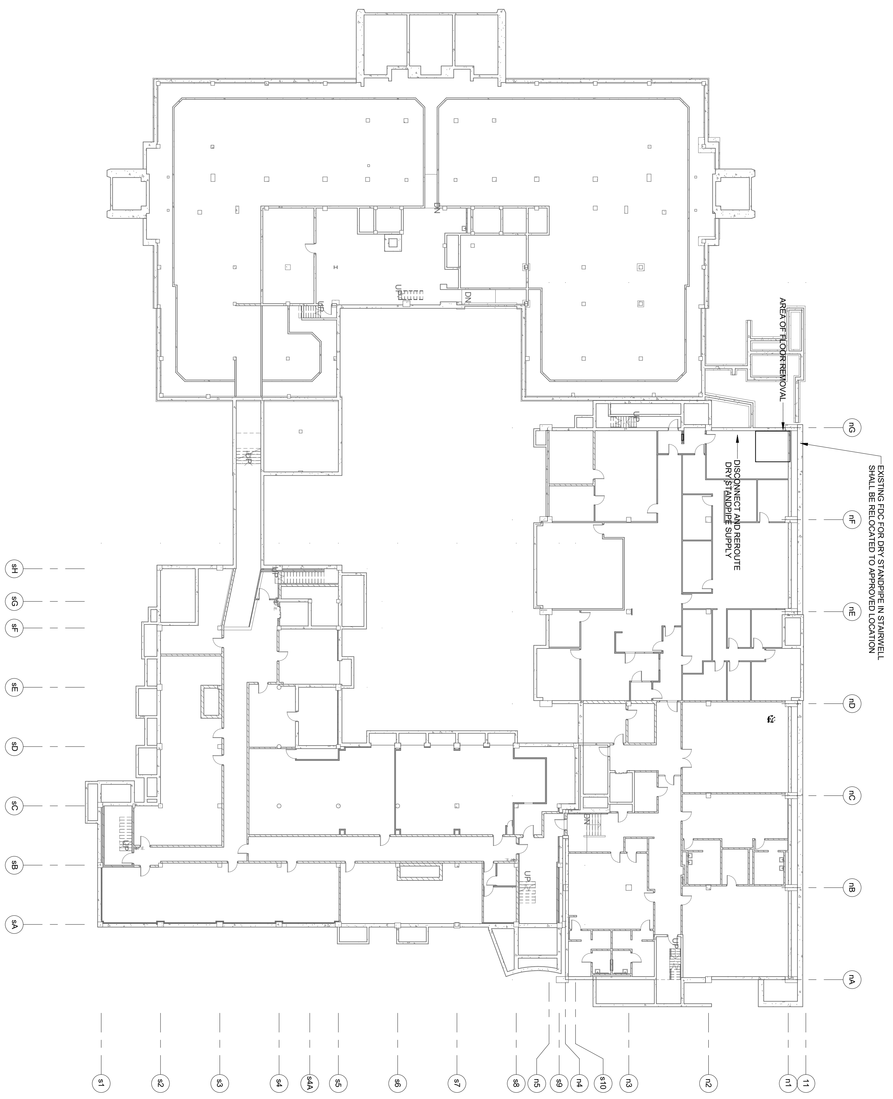
McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the listed extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original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


1 P902 DOMESTIC WATER RISER DIAGRAM

0 4' 8' 16'

1 FP200 LEVEL 1 OVERALL FIRE PROTECTION PLAN
1" = 20'-0"
0 4 8 16




**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 780.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN**

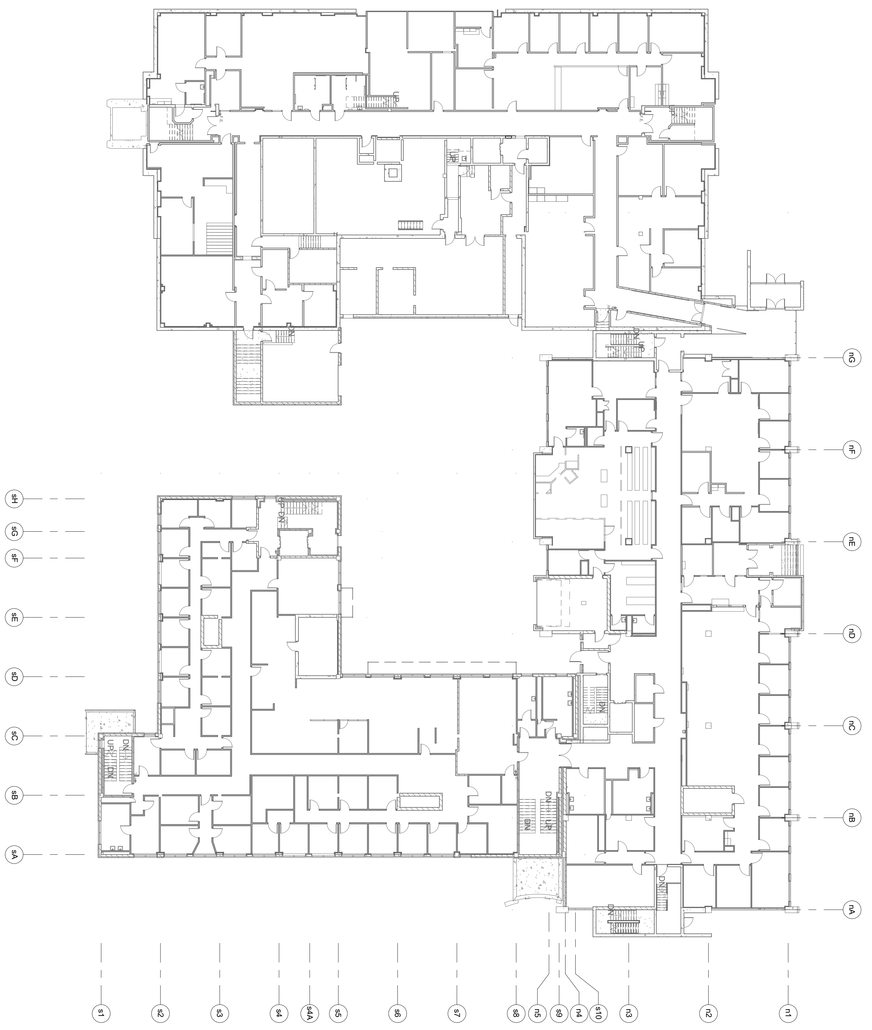
| NO. | DATE | REVISION |
|---|---|---|
| | | |

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

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

DESIGNED NDK
DRAWN NDK
PROJECT NO. 0000241600160
DATE MARCH 3, 2017
SHEET NO. FP200

1 FP201 LEVEL 1 OVERALL FIRE PROTECTION PLAN
1" = 20'-0"
0 4' 8' 16'




**ALTERATION / ADDITION**

**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 790.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN**

| NO | DATE | REVISION |
|---|---|---|

FP201

DESIGNED NDK
DRAWN NDK
PROJECT NO. 00002-51601100
DATE MARCH 3, 2017
SHEET NO.

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

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

ALTERATION / ADDITION

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

LEVEL 805.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN

| NO | DATE | REVISION |
|---|---|---|
| | | |

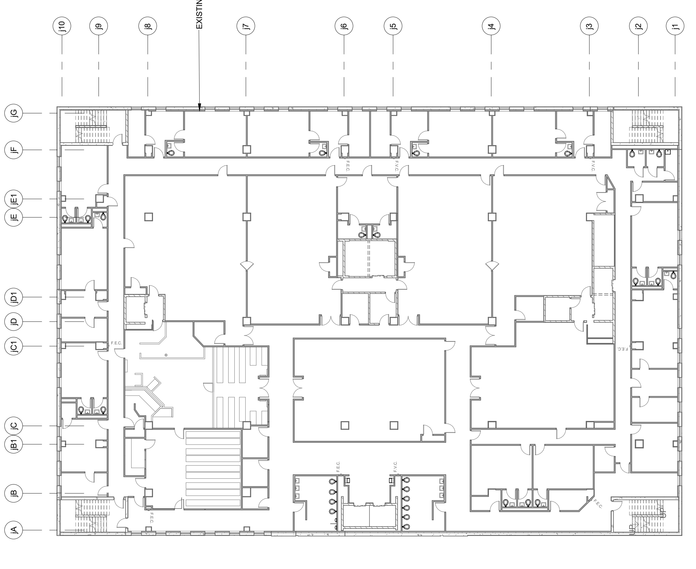
DESIGNED NDK | DRAWN NDK
PROJECT NO. C0002418020180
DATE MARCH 3, 2017
SHEET NO. FP202

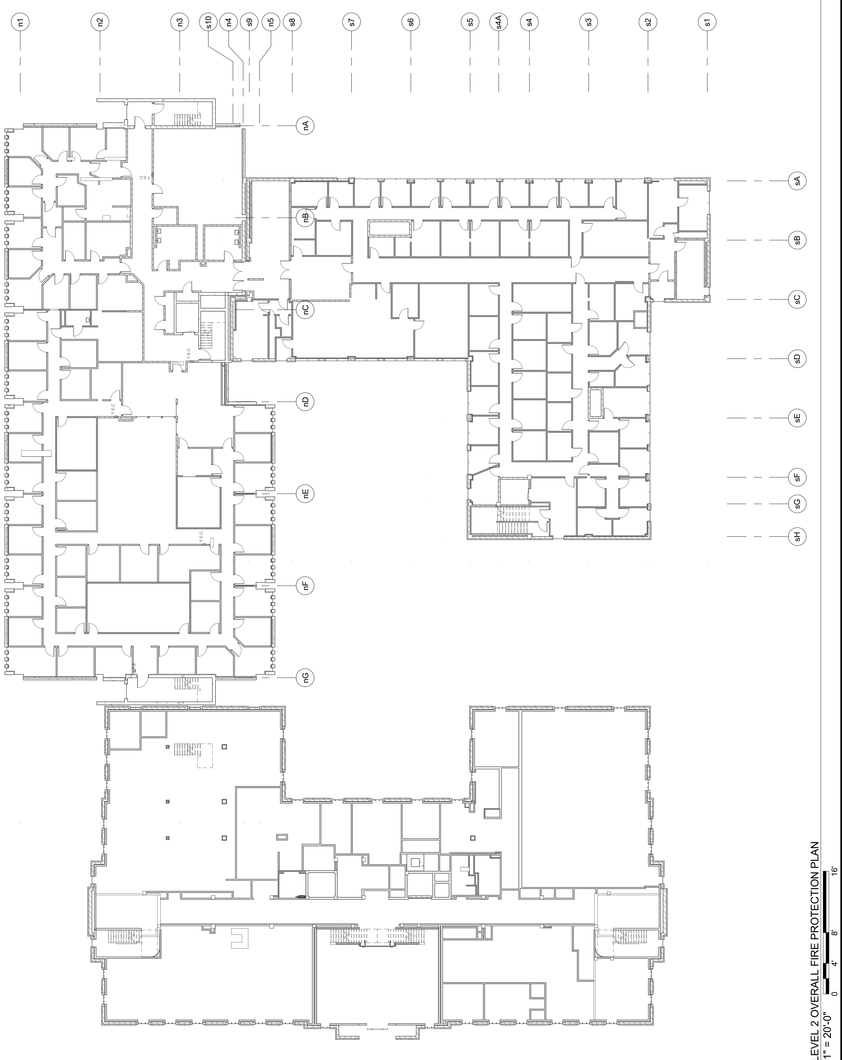
McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original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

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

KEYNOTES

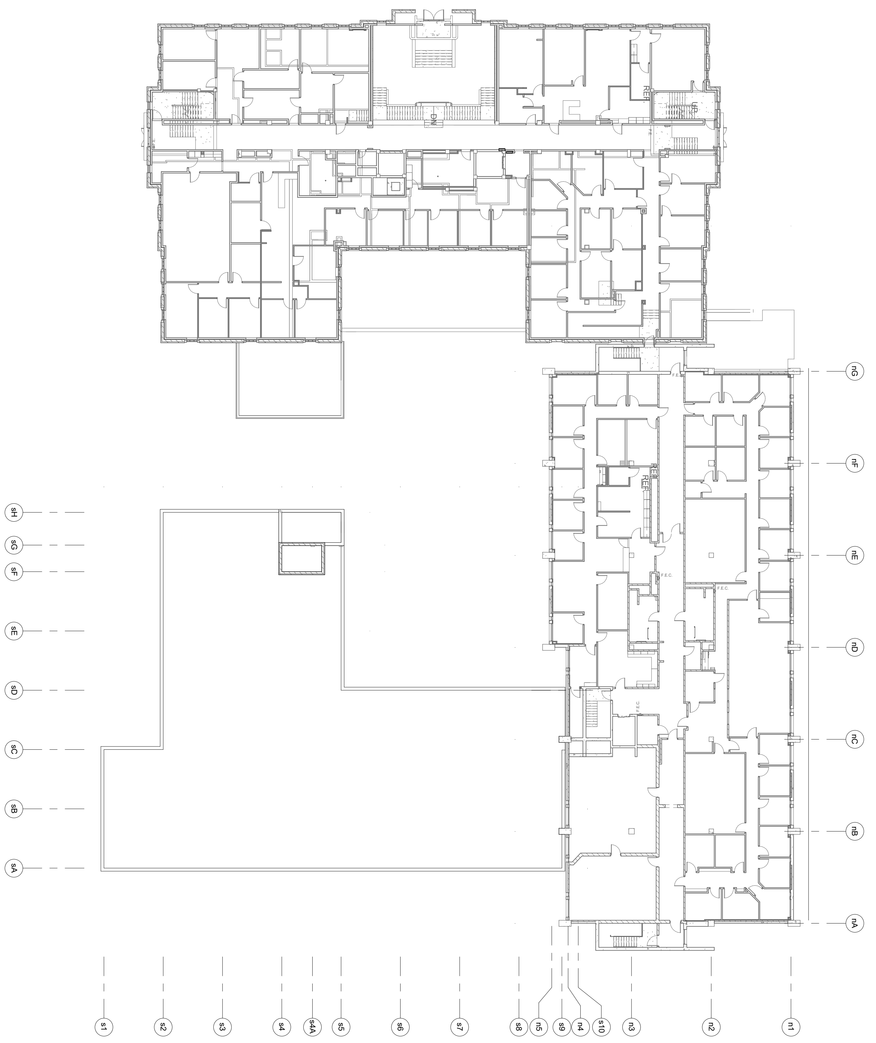
EXISTING JUSTICE CENTER FULLY SPRINKLED




1 LEVEL 2 OVERALL FIRE PROTECTION PLAN
FP202 1" = 20'-0"
0 4' 8' 16'

1
(FP203)
LEVEL 3 OVERALL FIRE PROTECTION PLAN
1" = 20'-0"



ALTERATION / ADDITION

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

LEVEL 835.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN

| NO | DATE | REVISION |
|---|---|---|
| | | |

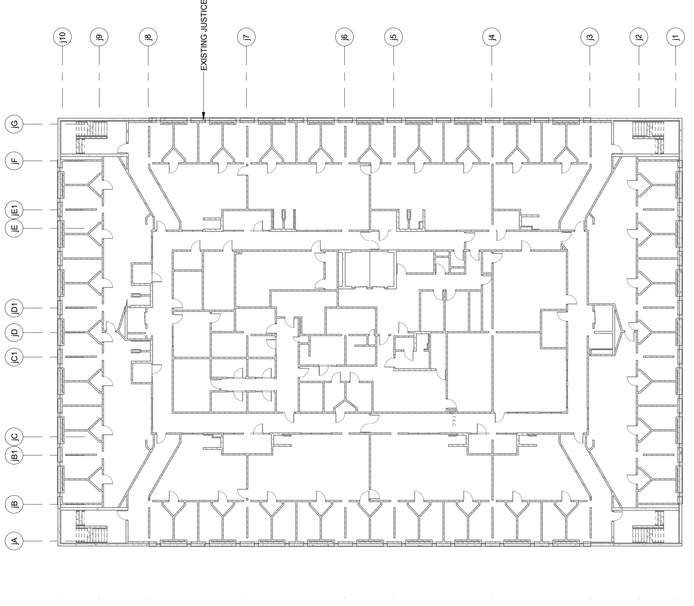
DESIGNED NDK | DRAWN NDK
PROJECT NO. OA0024-R500180
DATE MARCH 3, 2017
SHEET NO. FP204

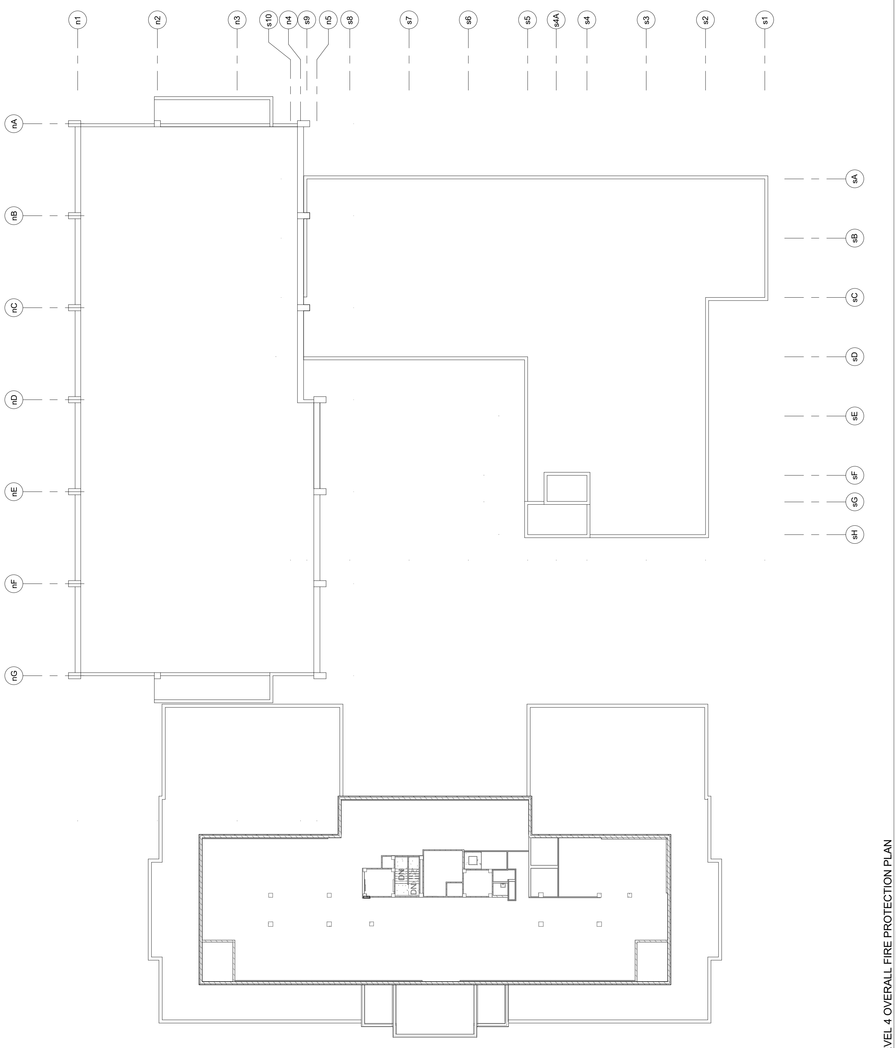
McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original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

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

KEYNOTES

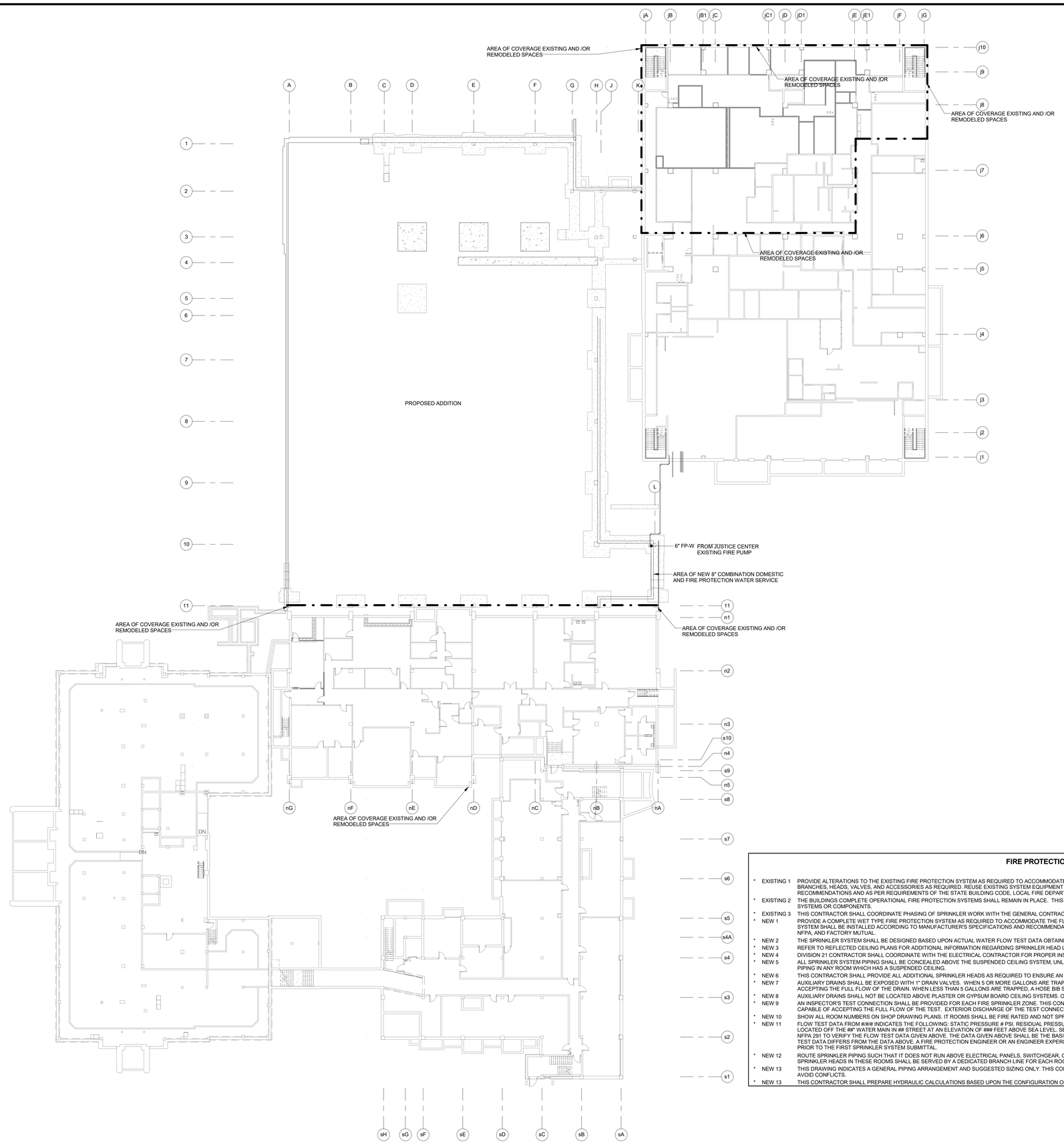
EXISTING JUSTICE CENTER FULLY SPRINKLED




1 LEVEL 4 OVERALL FIRE PROTECTION PLAN
FP204
1" = 20'-0"
0 4' 8' 16'

3/1/2017 1:15:53 PM




## FIRE PROTECTION GENERAL NOTES

| | | |
|---|---|---|
| * | EXISTING 1 | PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. PROVIDE A COMPLETE WET TYPE SYSTEM INCLUDING NEW MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL. |
| * | EXISTING 2 | THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS. |
| * | EXISTING 3 | THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK. |
| * | NEW 1 | PROVIDE A COMPLETE WET TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL. |
| * | NEW 2 | THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE. |
| * | NEW 3 | REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE. |
| * | NEW 4 | DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM. |
| * | NEW 5 | ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING. |
| * | NEW 6 | THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER. |
| * | NEW 7 | AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE. |
| * | NEW 8 | AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED. |
| * | NEW 9 | AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER. |
| * | NEW 10 | SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS. IT ROOMS SHALL BE FIRE RATED AND NOT SPRINKLED. |
| * | NEW 11 | FLOW TEST DATA FROM #### INDICATES THE FOLLOWING: STATIC PRESSURE # PSI. RESIDUAL PRESSURE: # PSI AT ## GPM. THE HYDRANTS TESTED ARE APPROXIMATELY ### FEET AWAY FROM THE CENTER OF THE SITE LOCATED OFF THE ##" WATER MAIN IN ## STREET AT AN ELEVATION OF ### FEET ABOVE SEA LEVEL. SEE CIVIL PLANS FOR HYDRANT LOCATION. THE CONTRACTOR SHALL PERFORM A FIRE FLOW TEST IN ACCORDANCE WITH NFPA 291 TO VERIFY THE FLOW TEST DATA GIVEN ABOVE. THE DATA GIVEN ABOVE SHALL BE THE BASIS OF DESIGN UNLESS THE AVAILABLE PRESSURE OR FLOW HAS DECREASED. NOTIFY OWNERS REPRESENTATIVE IF FLOW TEST DATA DIFFERS FROM THE DATA ABOVE. A FIRE PROTECTION ENGINEER OR AN ENGINEER EXPERIENCED IN WATER FLOW TESTING SHALL PERFORM OR WITNESS THE REQUIRED FLOW TESTING AND SIGN THE REPORT PRIOR TO THE FIRST SPRINKLER SYSTEM SUBMITTAL. |
| * | NEW 12 | ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. |
| * | NEW 13 | THIS DRAWING INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS. |
| * | NEW 13 | THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS. |

1 FP210 LEVEL 1 OVERALL FIRE PROTECTION PLAN
1" = 20'-0" 0 4' 8' 16'

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

McMahon provides this drawing and design concepts in terms of electronic format as instruments of service. All rights including copyrights are retained by McMahon. The recipient and/or recipient agrees to the hereby to indemnify and hold McMahon harmless for reuse of electronic changes made to the original drawing or data without prior written consent from McMahon.

| NO. | DATE | REVISION |
|---|---|---|

**ALTERATION / ADDITION**
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 780.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN**

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160

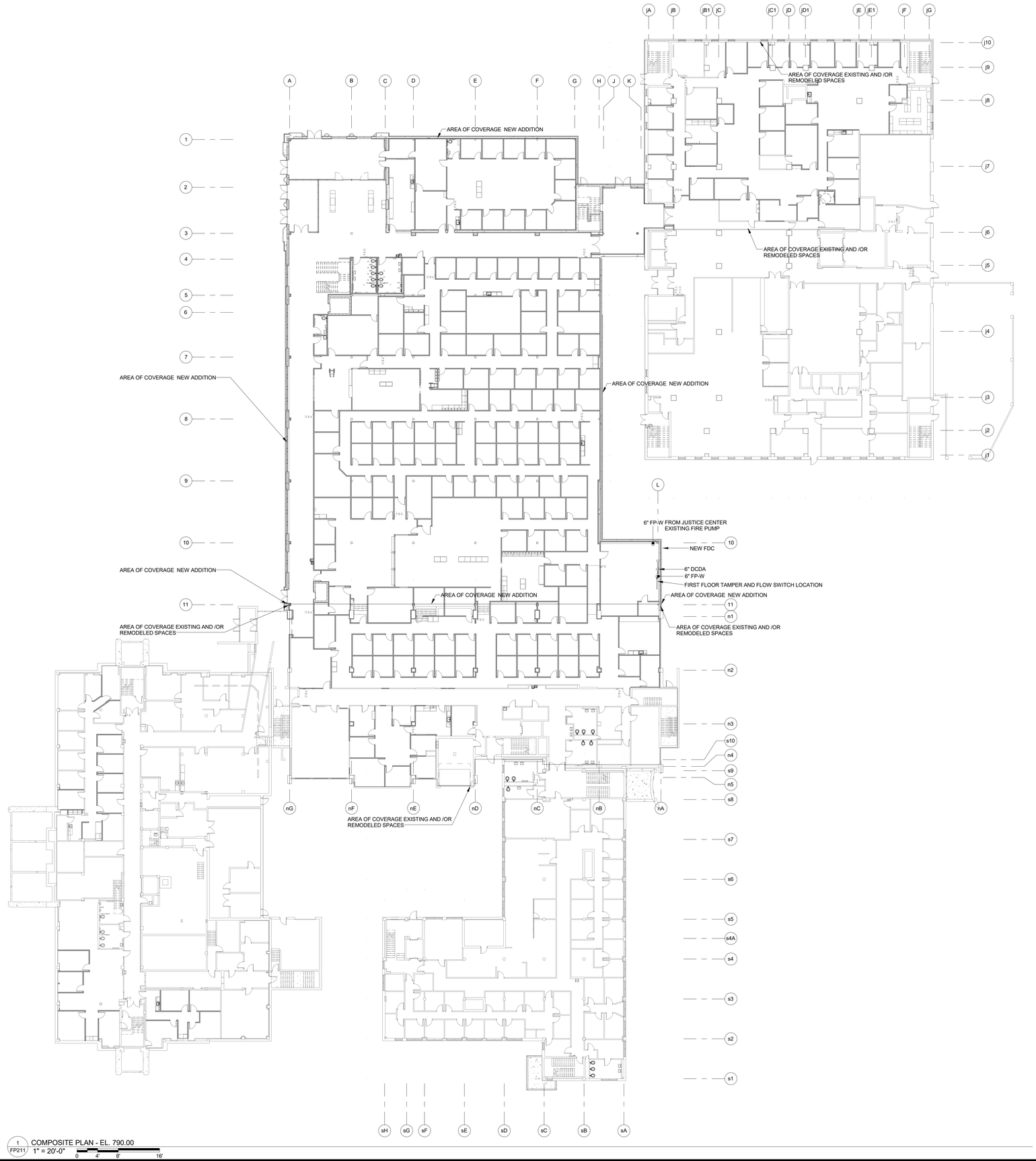
DATE
MARCH 3, 2017

SHEET NO.
FP210

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:15:55 PM

NOTE: IT ROOMS SHALL BE FIRE RATED AND NOT SPRINKLED.




1 / FP211 COMPOSITE PLAN - EL. 790.00
1" = 20'-0"
0 4' 8' 16'

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

McMahon provides this drawing and digital data solely for the use as instruments of service. All rights including copyrights are reserved. The recipient and/or recipient agrees to the terms that the recipient will not to indemnify and hold McMahon harmless for reuse and/or changes made to the original drawing or data without prior written consent with McMahon.

NO. | DATE | REVISION

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON, WI 54911
LEVEL 790.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

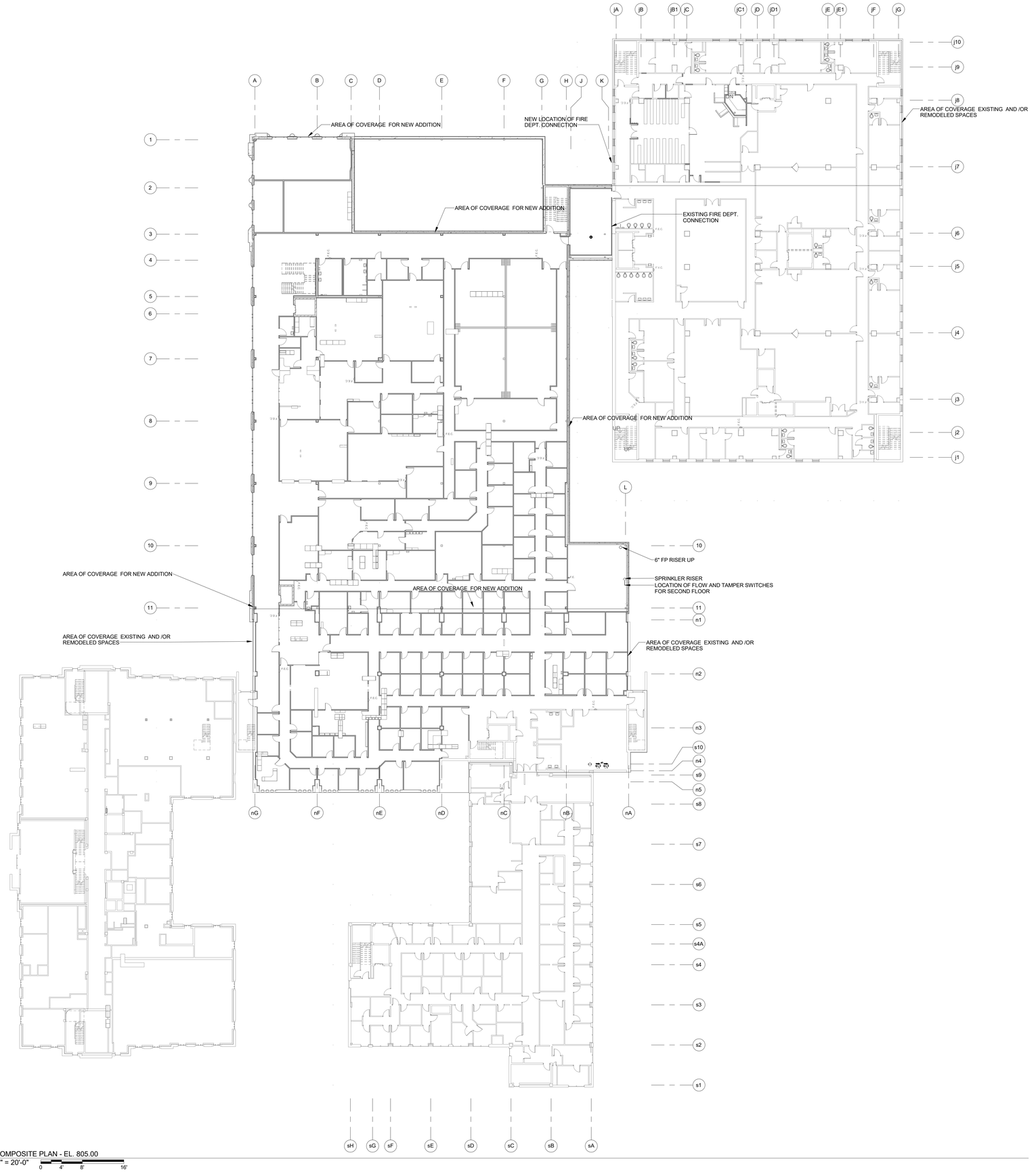
PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
FP211

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:15:56 PM




NOTE: IT ROOMS SHALL BE FIRE RATED AND NOT SPRINKLED.

1 FP212 COMPOSITE PLAN - EL. 805.00
1" = 20'-0"
0 4' 8' 16'

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: 1500 Fourier Drive, Suite 240, Madison, WI 53717-2155
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and digital media in connection with specific projects only. Reuse without written consent and/or recipient agrees to the terms of this boilerplate and agrees to indemnify and hold McMahon harmless for reuse of or changes to the drawing or data and for changes made to the original drawing or data without prior written consent of McMahon.

| NO. | DATE | REVISION |
|---|---|---|

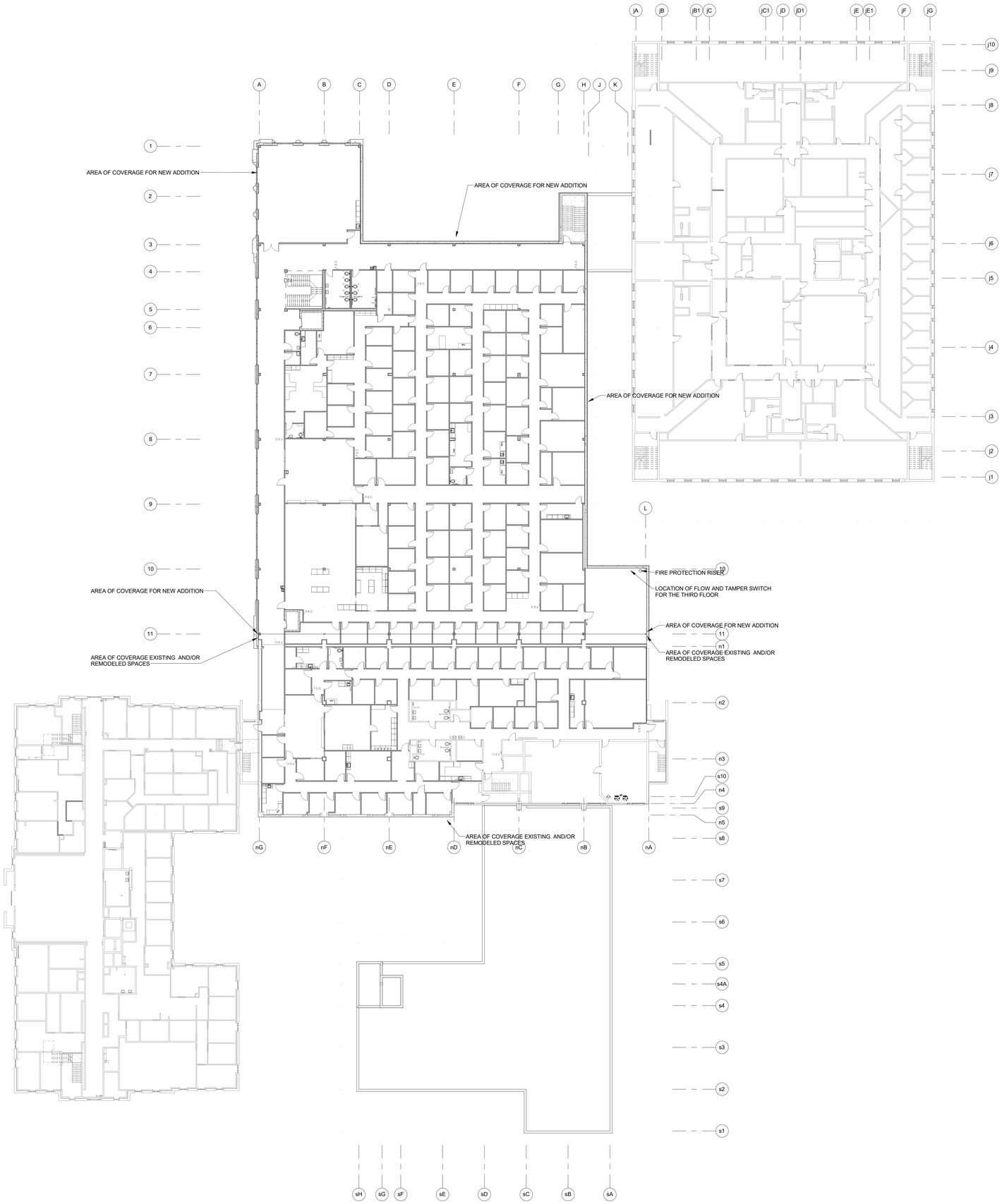
**ALTERATION / ADDITION**
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 805.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN**

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
FP212

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

3/1/2017 1:15:58 PM




1 FP213 COMPOSITE PLAN - EL. 820.00
1" = 20'-0" 0 4' 8' 16'

NOTE: IT ROOMS SHALL BE FIRE RATED AND NOT SPRINKLED.

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

McMahon provides this drawing and digital media for the exclusive use of the owner for the purpose as instrument of service. All rights including copyrights are reserved by McMahon. The recipient and/or recipient agrees to the hereby to indemnify and hold McMahon harmless from any reuse of the drawings made to the original drawing or data without prior written permission from McMahon.

| NO. | DATE | REVISION |
|---|---|---|

**ALTERATION / ADDITION**
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 820.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN**

| DESIGNED | DRAWN |
|---|---|
| NDK | NDK |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
FP213

C:\Users\cwilliams.MCM\Documents\OCAC_Plumb_Central_cwilliams@mcmgrp.com.rvt

**ALTERATION / ADDITION**

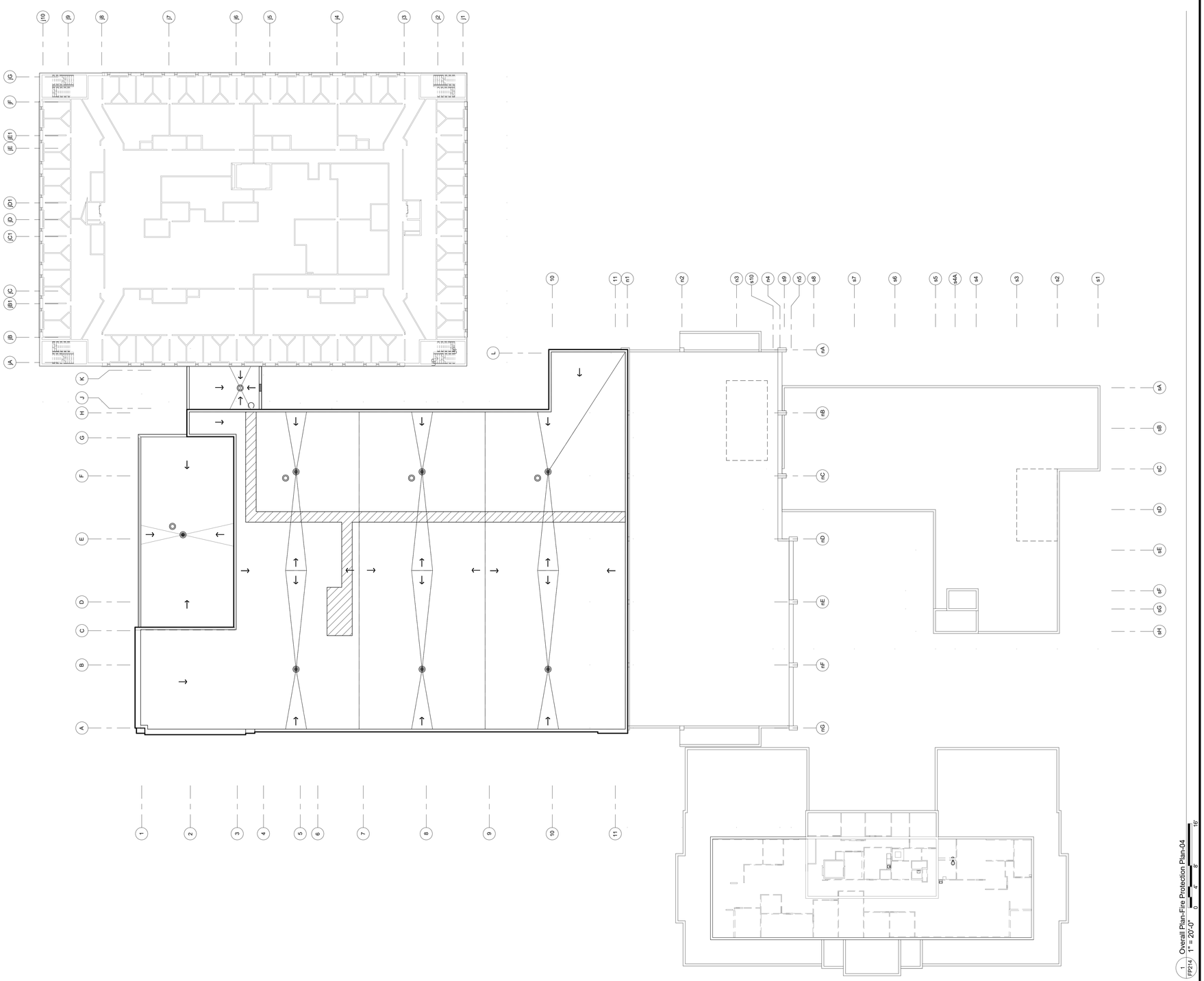
**OUTAGAMIE COUNTY ADMINISTRATION CENTER**
**S. WALNUT & W. 8TH, APPLETON, WI 54911**
**LEVEL 835.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN**

| NO | DATE | REVISION |
|---|---|---|
| | | |

DESIGNED: NDK | DRAWN: NDK
PROJECT NO.: OA0024-R0001BD
DATE: MARCH 3, 2017
SHEET NO.: FP214

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

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



## STANDARD ABBREVIATIONS

| | | | |
|---|---|---|---|
| AC | ACRE | LT | LEFT |
| AGG | AGGREGATE | LVC | LENGTH OF VERTICAL CURVE |
| AH | AHEAD | MAINT | MAINTENANCE |
| ASPH | ASPHALT PAVEMENT | MAT'L | MATERIAL |
| AVG | AVERAGE | MAX | MAXIMUM |
| B–B | BACK TO BACK | MIN | MINIMUM |
| BEG | BEGIN | MH | MANHOLE |
| BIT | BITUMINOUS | MP | MILE POST |
| BK | BACK | NB | NORTHBOUND |
| B/L | BASE LINE | NO | NUMBER |
| BLDG | BUILDING | NOR | NORMAL |
| BM | BENCH MARK | OD | OUTSIDE DIAMETER |
| BOC | BACK OF CURB | OBLIT | OBLITERATE |
| BRG | BEARING | PAV'T | PAVEMENT |
| C–C | CENTER TO CENTER | PC | POINT OF CURVATURE |
| CY | CUBIC YARD | PCC | PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE |
| C&G | CURB AND GUTTER | | |
| CB | CATCH BASIN | PE | PRIVATE ENTRANCE |
| CE | COMMERCIAL ENTRANCE | PED | PEDESTAL |
| CHD | CHORD | PGL | PROFILE GRADE LINE |
| C/L | CENTER LINE | PI | POINT OF INTERSECTION |
| CL | CLASS (FOR CONC PIPE) | P/L | PROPERTY LINE |
| CMP | CORRUGATED METAL PIPE | PLE | PERMANENT LIMITED EASEMENT |
| CO | CLEAN OUT | PP | POWER POLE |
| CONC | CONCRETE | PRC | POINT OF REVERSE CURVATURE |
| CORR | CORRUGATED | PROP | PROPOSED |
| CP | CONTROL POINT | PSD | PASSING SIGHT DISTANCE |
| CR | CRUSHED | PSI | POUNDS PER SQUARE INCH |
| CS | CURB STOP | PT | POINT OF TANGENCY |
| CSW | CONCRETE SIDEWALK | PVC | POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE |
| CTH | COUNTY TRUNK HIGHWAY | | |
| CULV | CULVERT | PVI | POINT OF VERTICAL INTERSECTION |
| D | DEPTH OR DELTA | PVT | POINT OF VERTICAL TANGENCY |
| DI | DUCTILE IRON | R | RADIUS |
| DIA | DIAMETER | RCP | REINFORCED CONCRETE PIPE |
| DIS | DISCHARGE | RD | ROAD |
| EA | EACH | REBAR | REINFORCEMENT ROD |
| EB | EASTBOUND | REM | REMOVE |
| EBS | EXCAVATION BELOW SUBGRADE | RECON | RECONSTRUCT |
| EG | EDGE OF GRAVEL | REQ'D | REQUIRED |
| ELEV | ELEVATION | R/L | REFERENCE LINE |
| ELEC | ELECTRIC | RP | RADIUS POINT |
| EMB | EMBANKMENT | RR | RAILROAD |
| EMAT | EROSION MAT | RT | RIGHT |
| ENT | ENTRANCE | R/W | RIGHT–OF–WAY |
| EOR | END OF RADIUS | SB | SOUTHBOUND |
| EP | EDGE OF PAVEMENT | SE | SUPERELEVATION |
| EXC | EXCAVATION | SF | SQUARE FEET |
| EX | EXISTING | SI | SLOPE INTERCEPT |
| EW | ENDWALL | STH | STATE TRUNK HIGHWAY |
| F–F | FACE TO FACE | SY | SQUARE YARD |
| FDN | FOUNDATION | SALV | SALVAGED |
| FE | FIELD ENTRANCE | SAN | SANITARY |
| FERT | FERTILIZER | SEC | SECTION |
| FG | FINISHED GRADE | SHLDR | SHOULDER |
| F/L | FLOW LINE | S/L | SURVEY LINE |
| FT | FOOT | SQ | SQUARE |
| FTG | FOOTING | STA | STATION |
| GRAV | GRAVEL | STD | STANDARD |
| GN | GRID NORTH | STO | STORM |
| GV | GAS VALVE | SW | SIDEWALK |
| HDPE | HIGH DENSITY POLYETHYLENE | TC | TOP OF CURB |
| HE | HIGHWAY EASEMENT | TEL | TELEPHONE |
| HMA | HOT MIX ASPHALT | TEMP | TEMPORARY |
| HP | HIGH POINT | TLE | TEMPORARY LIMITED EASEMENT |
| HT | HEIGHT | TV | TELEVISION |
| HYD | HYDRANT | TYP | TYPICAL |
| ID | INSIDE DIAMETER | UG | UNDERGROUND |
| IN | INCH | USH | U.S. HIGHWAY |
| INL | INLET | VAR | VARIES |
| INV | INVERT | VC | VERTICAL CURVE |
| IP | IRON PIPE | VERT | VERTICAL |
| JCT | JUNCTION | WB | WESTBOUND |
| LB | POUND | WM | WATER MAIN |
| LF | LINEAR FOOT | WV | WATER VALVE |
| LP | LIGHT POLE | | |

## GENERAL NOTES

1. THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING ANY PRIVATE UTILITIES, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PROPOSED SITE GRADES BY FIELD CHECKING TWO (2) BENCHMARKS AND A MINIMUM OF ONE (1) SITE FEATURE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY MCMAHON OF ANY VERTICAL DISCREPANCY.
3. THE PROPERTY LINES, RIGHT–OF–WAY LINES AND OTHER PROPERTY INFORMATION ON THIS DRAWING WERE DEVELOPED OR OBTAINED AS PART OF THE COUNTY GEOGRAPHIC INFORMATION SYSTEM OR THROUGH THE COUNTY PROPERTY TAX MAPPING FUNCTION. McMAHON DOES NOT GUARANTEE THIS INFORMATION TO BE CORRECT, CURRENT OR COMPLETE. THE PROPERTY AND RIGHT–OF–WAY INFORMATION ARE INTENDED FOR USE AS A GENERAL REFERENCE AND ARE NOT INTENDED OR SUITABLE FOR SITE–SPECIFIC USES. ANY USE TO THE CONTRARY OF THE ABOVE STATED USES IS THE RESPONSIBILITY OF THE USER AND SUCH USE IS AT THE USER'S OWN RISK.
4. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER.
5. A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MATCHES EXISTING ASPHALTIC CONCRETE SURFACE.
6. ALL CURB RADII SHOWN ON THE PLAN SHEETS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
7. DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

## STANDARD SYMBOLS

| | |
|---|---|
| 2" IRON PIPE FOUND | TELEPHONE CABLE – BURIED |
| 1 1/4" REBAR FOUND | ELECTRIC CABLE – BURIED |
| 1 1/4" x 30" IRON REBAR WEIGHING 4.30 LB/LF SET | UTILITIES – OVERHEAD |
| 1" (1.315 OD) IRON PIPE FOUND | FIBER OPTIC CABLE – BURIED |
| 1" IRON PIPE SET | GAS MAIN |
| 3/4" IRON REBAR FOUND | CABLE TELEVISION – BURIED |
| 3/4" IRON PIPE FOUND | DITCH LINE |
| 3/4"x 24" IRON REBAR WEIGHING 1.5 LB/LF SET | STREET C/L OR R/L |
| MAG NAIL FOUND | PROPERTY LINE |
| MAG NAIL SET | RIGHT–OF–WAY LINE |
| GEAR NAIL SET | SECTION LINE |
| RAILROAD SPIKE FOUND | EXISTING CONTOURS |
| RAILROAD SPIKE SET | PROPOSED CONTOURS |
| CHISEL CROSS FOUND | EXISTING SANITARY SEWER |
| CHISEL CROSS SET | PROPOSED SANITARY SEWER |
| COUNTY MONUMENT | EXISTING WATER MAIN |
| CONCRETE MONUMENT FOUND | PROPOSED WATER MAIN |
| CONTROL POINT HORIZONTAL | EXISTING STORM SEWER |
| CONTROL POINT VERTICAL | PROPOSED STORM SEWER |
| SOIL BORING or MONITORING WELL | EXISTING CURB & GUTTER |
| POWER POLE | PROPOSED CURB & GUTTER |
| POWER POLE W/GUY WIRE | PROPOSED REJECT CURB & GUTTER |
| TELEPHONE OR TELEVISION PEDESTAL | EXISTING CULVERT WITH END SECTIONS |
| MAILBOX | PROPOSED CULVERT WITH END SECTIONS |
| SIGN | BUILDING OUTLINE |
| RAILROAD CROSS BUCK | FENCE LINE |
| RAILROAD GATE ARM | SAW CUT REQ'D |
| RAILROAD TRACKS | SILT FENCE |
| LIGHT POLE | GUARD RAIL |
| WOOD POLE | DITCH CHECK |
| TRAFFIC SIGNAL | INLET PROTECTION |
| TRAFFIC SIGNAL MAST ARM | TRACKING PAD |
| CONIFEROUS TREE | TURBIDITY BARRIER OR SHEET PILING |
| DECIDUOUS TREE | SANDBAG COFFERDAM |
| TREE OR BRUSH LINE | SLOPE INTERCEPT |
| BED ROCK (IN PROFILE VIEW) | LIMITS OF DISTURBANCE |
| HANDICAPPED PARKING STALL | |
| EXISTING SPOT ELEVATION | EROSION MAT |
| × 750.00 PROPOSED SPOT ELEVATION | RIP–RAP (SIZE AS SPECIFIED) |
| DRAINAGE HIGH POINT | TURF REINFORCEMENT MAT (TRM) |
| DRAINAGE DIRECTION | VEGETATED BUFFER |
| EXISTING MANHOLE | DELINEATED WETLANDS |
| PROPOSED MANHOLE | EXISTING PAVEMENT |
| EXISTING INLET | PROPOSED PAVEMENT |
| PROPOSED INLET | 6" CONCRETE SIDEWALK / DRIVEWAY |
| EXISTING YARD DRAIN | PROPOSED GRAVEL |
| PROPOSED YARD DRAIN | PROPOSED ASPHALTIC DRIVEWAY |
| EXISTING CLEAN OUT | GRADE, SEED AND MULCH |
| PROPOSED CLEAN OUT | TOPSOIL, SEED, FERTILIZER AND MULCH |
| EXISTING DOWNSPOUT | SPARE |
| PROPOSED DOWNSPOUT | SPARE |
| EXISTING WATER VALVE | |
| PROPOSED WATER VALVE | |
| EXISTING CURB STOP | |
| PROPOSED CURB STOP | |
| EXISTING FIRE HYDRANT | |
| PROPOSED FIRE HYDRANT | |
| PROPOSED WATER FITTING | |
| PROPOSED WATER REDUCER | |
| PROPOSED ENDCAP | |
| GAS VALVE | |

## EROSION & SEDIMENT CONTROL PLAN

### BEST MANAGEMENT PRACTICES:

THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS. THESE STANDARDS MAY BE FOUND ON THE DNR WEBSITE AT http://www.dnr.wi.gov/runoff/stormwater/techstds.htm. RIP–RAP SHALL BE IN ACCORDANCE WITH SECTION 606, WS–DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, UNTIL TECHNICAL STANDARD 1065 IS COMPLETED BY THE DNR. THE MINIMUM BEST MANAGEMENT PRACTICES SPECIFIED FOR THIS PROJECT ARE AS FOLLOWS:

| | |
|---|---|
| [ ] LAND APPLICATION OF POLYACRYLAMIDE (1050) | [ ] DE–WATERING (1061) |
| [ ] WATER APPLICATION OF POLYMERS (1051) | [ ] DITCH CHECK (1062) |
| [ ] NON–CHANNEL EROSION MAT (1052) | [ ] SEDIMENT TRAP (1063) |
| [ ] CHANNEL EROSION MAT (1053) | [ ] SEDIMENT BASIN (1064) |
| [ ] VEGETATIVE BUFFER (1054) | [ ] RIP–RAP (1065) |
| [ ] SEDIMENT BALE BARRIER (1055) | [ ] CONSTRUCTION DIVERSION (1066) |
| [X] SILT FENCE (1056) | [ ] GRADING PRACTICES (1067) |
| [X] TRACKING PAD & TIRE WASHING (1057) | [X] DUST CONTROL (1068) |
| [X] MULCHING (1058) | [ ] TURBIDITY BARRIER (1069) |
| [X] SEEDING (1059) | [ ] SILT CURTAIN (1070) |
| [X] STORM DRAIN INLET PROTECTION (1060) | [ ] MANUFACTURED PERIMETER PRODUCTS (1071) |

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT OR REDUCE ALL OF THE FOLLOWING:

A. DEPOSITION OR TRACKING OF SOIL ONTO STREETS BY VEHICLES.

B. DISCHARGE OF SEDIMENT INTO STORM WATER INLETS.

C. DISCHARGE OF SEDIMENT INTO ADJACENT STREAMS, RIVERS, LAKES AND WETLANDS.

D. DISCHARGE OF SEDIMENT FROM DITCHES AND STORM SEWERS THAT FLOW OFFSITE.

E. DISCHARGE OF SEDIMENT FROM DEWATERING ACTIVITIES.

F. DISCHARGE OF SEDIMENT FROM SOIL STOCKPILES EXISTING FOR 7 DAYS OR MORE.

G. DISCHARGE OF SEDIMENT FROM EROSIVE OUTLET FLOWS.

H. TRANSPORT OF CHEMICALS, CEMENT AND BUILDING MATERIALS BY RUNOFF.

I. TRANSPORT OF UNTREATED VEHICLE AND WHEEL WASH WATER BY RUNOFF.

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PREVENTATIVE MEASURES:

A. PRESERVE EXISTING VEGETATION WHENEVER POSSIBLE.

B. MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.

C. MINIMIZE LAND DISTURBANCES ON SLOPES OF 20% OR MORE.

D. MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME.

E. DIVERT CLEAR WATER AWAY FROM EXPOSED SOILS.

F. TEMPORARILY STABILIZE EXPOSED SOILS THAT WILL NOT BE ACTIVE FOR 14 DAYS OR MORE. USE MULCHING, SEEDING, POLYACRYLAMIDE OR GRAVELING TO STABILIZE.

G. PERMANENTLY STABILIZE EXPOSED SOILS AS SOON AS POSSIBLE.

H. CONTRACTOR SHALL EDUCATE ITS EMPLOYEES AND SUBCONTRACTORS ABOUT PROPER SPILL PREVENTION AND RESPONSE PROCEDURES. IF A SPILL OCCURS, THE CONTRACTOR SHALL EVACUATE THE AREA AND IMMEDIATELY NOTIFY THE LOCAL MUNICIPALITY, FIRE DEPARTMENT OR 911 EMERGENCY SYSTEM. IF NO FIRE, EXPLOSION OR LIFE / HEALTH SAFETY HAZARD EXISTS, THE NEXT STEP IS TO CONTAIN THE SPILL AND PERFORM CLEANUP. USE DRY CLEANUP METHODS, NOT WET.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING BEST MANAGEMENT PRACTICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES BY THE END OF THE WORK DAY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING BEST MANAGEMENT PRACTICES TEMPORARILY REMOVED FOR CONSTRUCTION ACTIVITY AS SOON AS THOSE ACTIVITIES ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF TEMPORARY BEST MANAGEMENT PRACTICES AFTER CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION IS ESTABLISHED.

### INSPECTION & MAINTENANCE:

THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING BEST MANAGEMENT PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE KEPT AT THE CONSTRUCTION SITE AND SHALL INCLUDE THE FOLLOWING INFORMATION: DATE, TIME, AND LOCATION OF INSPECTION; NAME OF INDIVIDUAL WHO PERFORMED THE INSPECTION; AN ASSESSMENT OF THE CONDITION OF BEST MANAGEMENT PRACTICES; A DESCRIPTION OF ANY BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED; AND A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING, MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%.

THE CONTRACTOR IS RESPONSIBLE FOR POSTING THE PERMIT IN A CONSPICUOUS LOCATION ON THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A COPY OF THE APPROVED REPORTS, PLANS, AMENDMENTS, INSPECTION REPORTS, AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER WHEN THE VEGETATIVE DENSITY REACHES AT LEAST 70%. THE OWNER IS RESPONSIBLE FOR TERMINATING DNR PERMIT COVERAGE.

### AMENDMENTS:

THE CONTRACTOR IS RESPONSIBLE FOR AMENDING THE EROSION & SEDIMENT CONTROL PLAN IF: THERE IS A CHANGE IN CONSTRUCTION, OPERATION OR MAINTENANCE AT THE SITE WHICH HAS THE REASONABLE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS; THE ACTIONS REQUIRED BY THE PLAN FAIL TO REDUCE THE IMPACTS OF POLLUTANTS CARRIED BY CONSTRUCTION SITE RUNOFF; OR IF THE DNR NOTIFIES THE APPLICANT OF CHANGES NEEDED IN THE PLAN. THE DNR AND OWNER SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO MAKING CHANGES TO THE PLAN.

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

McMAHON provides this electronic data in lieu of hard copy. All instruments of service, including the copyrights are retained by McMAHON. The recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any damage, liability or cost arising from changes made to the original electronic data without written consent by McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

227 SOUTH WALNUT STREET
CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN
ABBREVIATIONS SYMBOLS AND NOTES

| DESIGNED | DRAWN |
|---|---|
| RJW | MJA |

PROJECT NO.
00002 6–16–00160

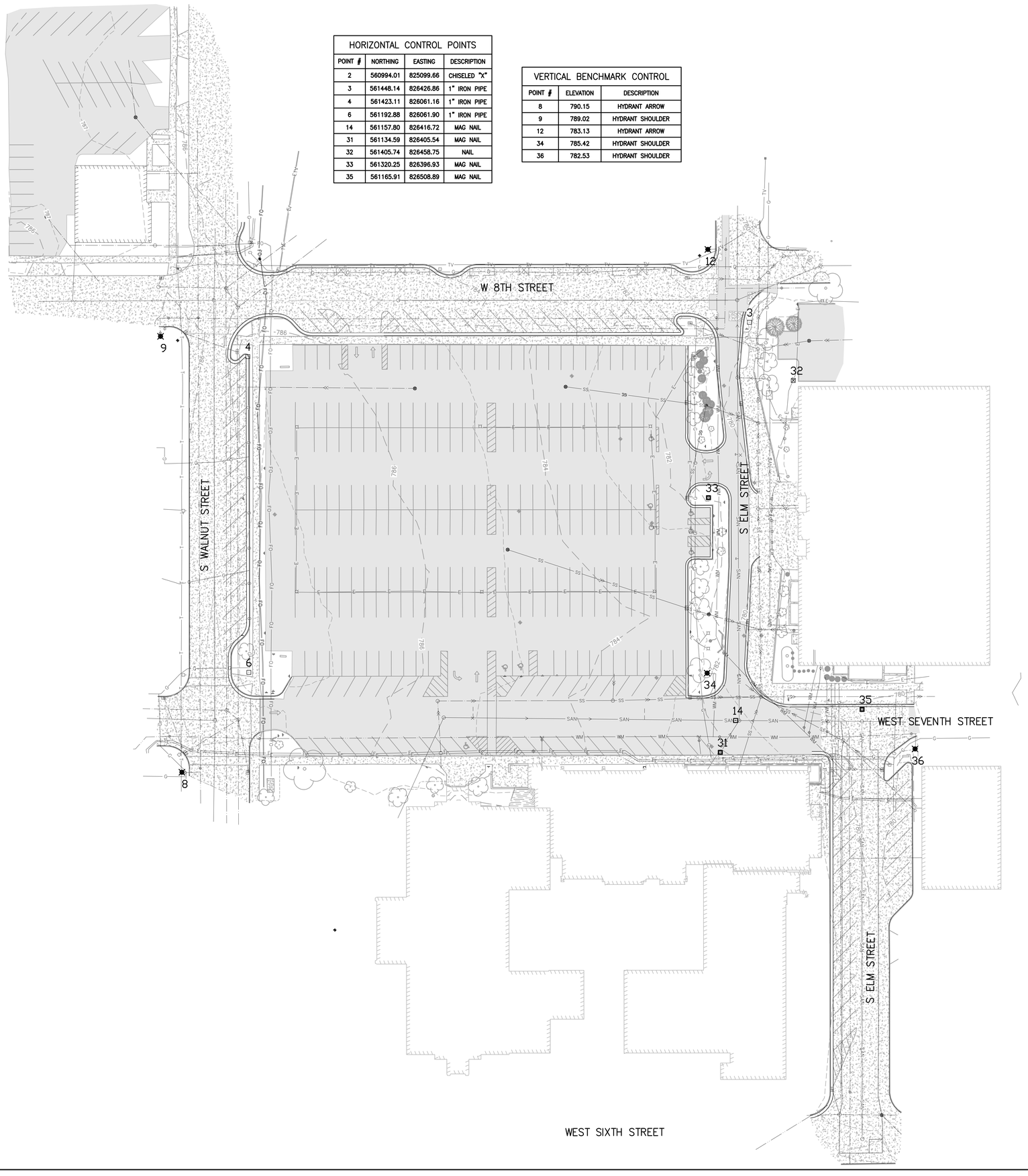
DATE
MARCH 3, 2017

SHEET NO.
XC100

mabing, W:\PROJECTS\00002\6160160\Drawings\Civil(3D)\plan sheets\XC100 ABBREVIATIONS SYMBOLS AND NOTES.dwg, xc100 abbreviations symbols and notes, Plot Date: 2/28/2017 4:23 PM, xrefs:none

| HORIZONTAL CONTROL POINTS | | | |
|---|---|---|---|
| POINT # | NORTHING | EASTING | DESCRIPTION |
| 2 | 560994.01 | 825099.66 | CHISELED "X" |
| 3 | 561448.14 | 826426.86 | 1" IRON PIPE |
| 4 | 561423.11 | 826061.16 | 1" IRON PIPE |
| 6 | 561192.88 | 826061.90 | 1" IRON PIPE |
| 14 | 561157.80 | 826416.72 | MAG NAIL |
| 31 | 561134.59 | 826405.54 | MAG NAIL |
| 32 | 561405.74 | 826458.75 | NAIL |
| 33 | 561320.25 | 826396.93 | MAG NAIL |
| 35 | 561165.91 | 826508.89 | MAG NAIL |

| VERTICAL BENCHMARK CONTROL | | |
|---|---|---|
| POINT # | ELEVATION | DESCRIPTION |
| 8 | 790.15 | HYDRANT ARROW |
| 9 | 789.02 | HYDRANT SHOULDER |
| 12 | 783.13 | HYDRANT ARROW |
| 34 | 785.42 | HYDRANT SHOULDER |
| 36 | 782.53 | HYDRANT SHOULDER |




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

McMAHON provides this electronic media subject to certain terms, as instruments of service. All rights reserved. All copyrights are retained by McMAHON. By accepting this media, recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any damage, loss or claim arising from any unauthorized change made to the original electronic media by anyone other than McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| ## | ## | ## |
| ## | ## | ## |
| ## | ## | ## |
| ## | ## | ## |
| ## | ## | ## |
| ## | ## | ## |
| ## | ## | ## |

# 227 SOUTH WALNUT STREET
# CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN
# EXISTING SITE PLAN AND SURVEY CONTROL

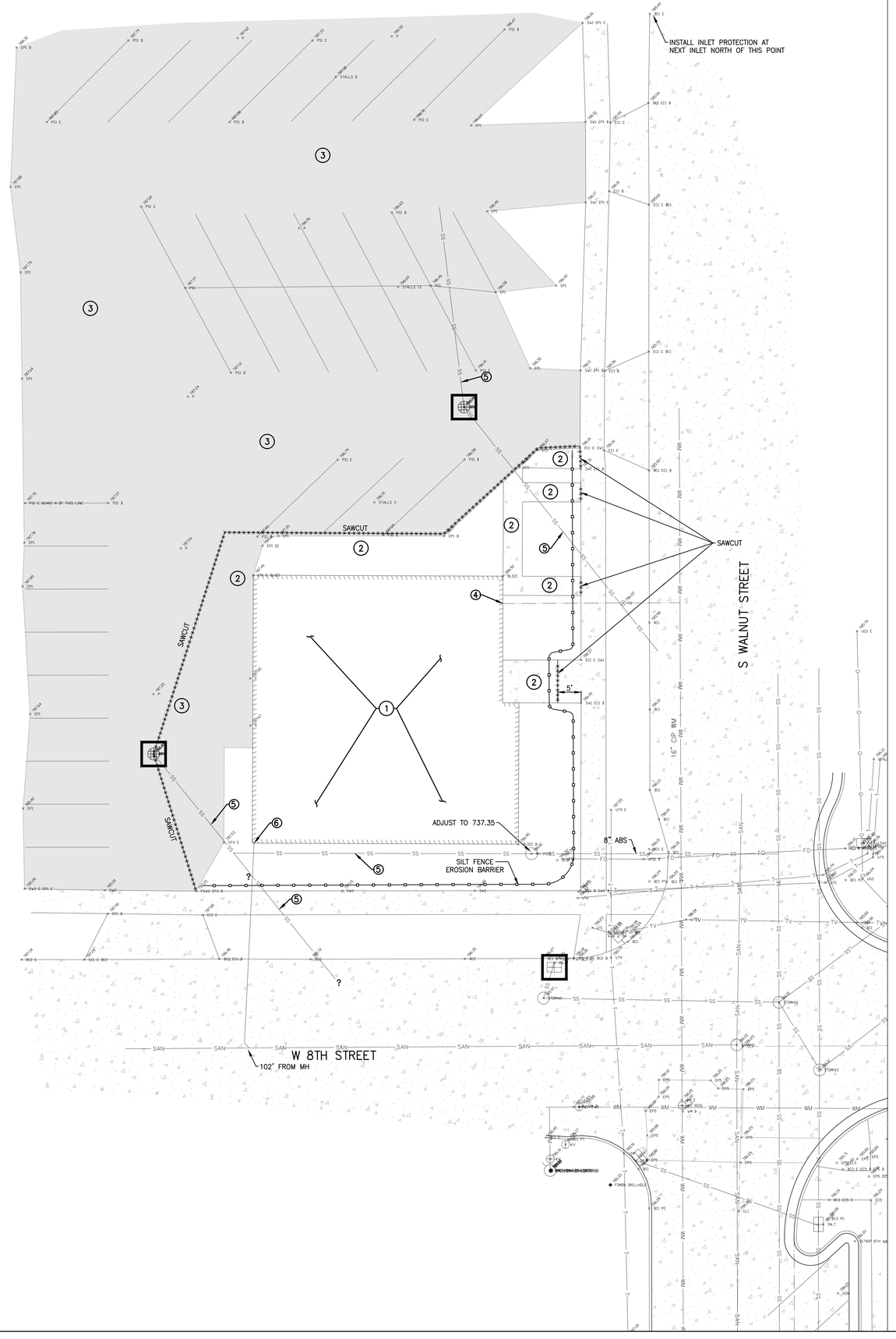
| DESIGNED | DRAWN |
|---|---|
| RJW | MJA |

PROJECT NO.
00002 6-16-00160

DATE
MARCH 3, 2017

SHEET NO.
XC101

Plotting, W:\PROJECTS\00002\616001601\Drawings\Civil3D\plan sheets\XC101 EXISTING SITE PLAN AND SURVEY CONTROL.dwg, xc101 existing site plan and survey control, Plot Date: 2/28/2017 4:23 PM, xrefs: (x-exist shade justice center, x-exist topo justice center)



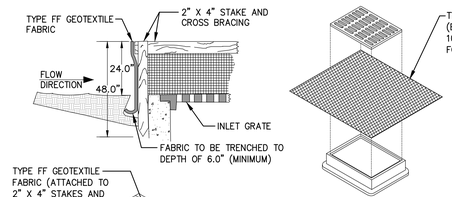

nabing, W:\PROJECTS\00002\61600160\Drawings\Civil3D\Plan Sheets\XC102 SITE DEMOLITION PLAN & EROSION CONTROL.dwg, xc102 site demolition plan & erosion control, Plot Date: 2/28/2017 4:35 PM, xrefs: (x-exist topo justice center, x-exist shade justice center, x-all points)

**KEY NOTES:**

1. REMOVE BUILDING (SEE SPECIFICATIONS)
2. REMOVE CONCRETE SIDEWALK OR PAVEMENT.
3. EXISTING ASPHALT PARKING LOT TO BE SEAL COATED TO REMOVE EXISTING STALL PAINT STRIPING AND PAVEMENT MARKINGS.
4. CONTACT CITY UTILITY DEPARTMENT AND ABANDON EXISTING WATER SERVICE TO BUILDING ACCORDING TO THEIR STANDARDS AND REQUIREMENTS.
5. DETERMINE EXACT ROUTE OF EXISTING STORM TO CITY SYSTEM AND UPDATE OWNERS MAPPING AT END OF PROJECT.
6. CONTACT CITY UTILITY DEPARTMENT AND ABANDON EXISTING SANITARY LATERAL TO BUILDING ACCORDING TO THEIR STANDARDS AND REQUIREMENTS.

NORTH

10 5 0 10
SCALE – FEET

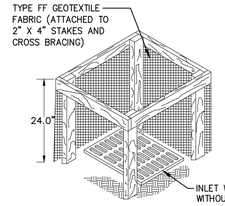






## INLET PROTECTION, TYPE B

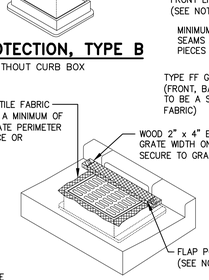
WITHOUT CURB BOX




## INLET PROTECTION, TYPE A

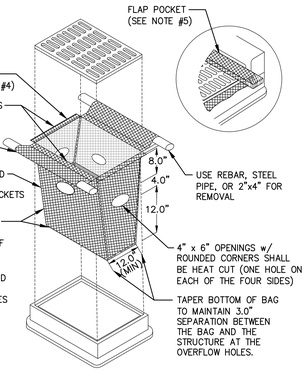
### GENERAL NOTES

1. TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2. GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK, AND BOTTOM OF FILTER BAG BEING ONE PIECE.
3. FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
4. SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.




## INLET PROTECTION, TYPE C

WITH CURB BOX




## INLET PROTECTION, TYPE D

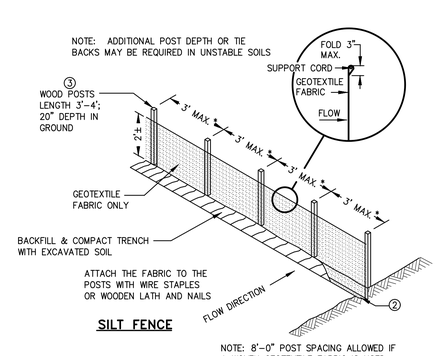
CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES

This drawing based on Wisconsin Department of Natural Resources Technical Standard No. 1060. Revision Date: 08/2014

### MAINTENANCE NOTES

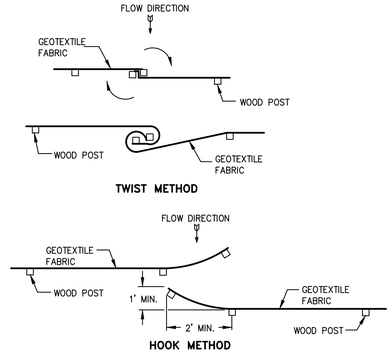
1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

## STORM DRAIN INLET PROTECTION



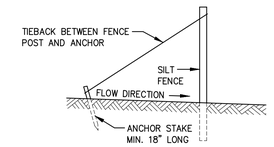

## SILT FENCE

NOTE: 8'–0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.



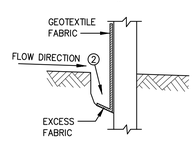

## JOINING TWO LENGTHS OF SILT FENCE ⑤

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9–6.




## SILT FENCE TIE BACK

(WHEN ADDITIONAL SUPPORT REQUIRED)




## TRENCH DETAIL

## SILT FENCE DETAIL

### GENERAL NOTES

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

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

McMAHON provides this electronic file without warranties of any kind, as instruments of service. All rights reserved. All copyrights are retained by McMAHON. By accepting this file, recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any claims arising from changes made to the original electronic file without the written consent of McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| 1 | TBD | |
| 2 | TBD | |
| 3 | TBD | |
| 4 | TBD | |
| 5 | TBD | |
| 6 | TBD | |

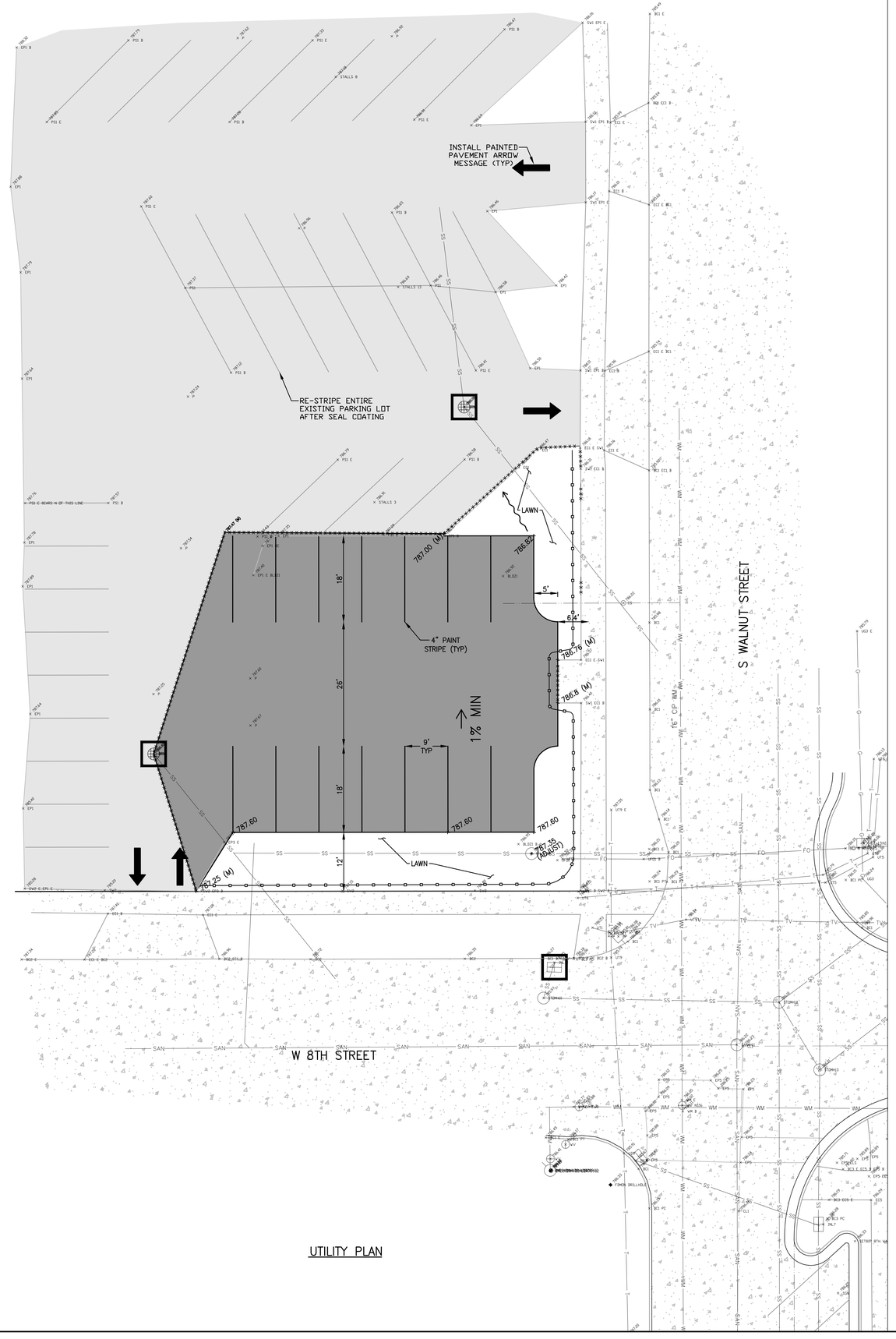
227 SOUTH WALNUT STREET
CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN
SITE DEMOLITION PLAN & EROSION CONTROL

| DESIGNED | DRAWN |
|---|---|
| RJW | MJA |

PROJECT NO.
00002 6–16–00160

DATE
MARCH 3, 2017

SHEET NO.
XC102

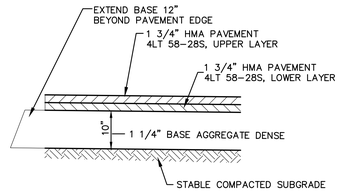



UTILITY PLAN

NORTH

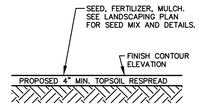
10 5 0 10

SCALE – FEET




**STANDARD DUTY PAVEMENT**

**PARKING LOT PAVEMENT DETAIL**




**TYPICAL LAWN SECTION**

McMAHON ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison Office: 6602 Seybold Road Madison, WI 53445-4220
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMAHON provides this electronic media subject to all terms, conditions and restrictions of all applicable patents and copyrights and reserves all rights. By accepting this media, recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any and all claims, damages and liability resulting from changes made to the original documents or from reuse of the documents by others without written consent by McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

227 SOUTH WALNUT STREET
CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN
UTILITY & GRADING PLAN

| DESIGNED | DRAWN |
|---|---|
| RJW | MJA |

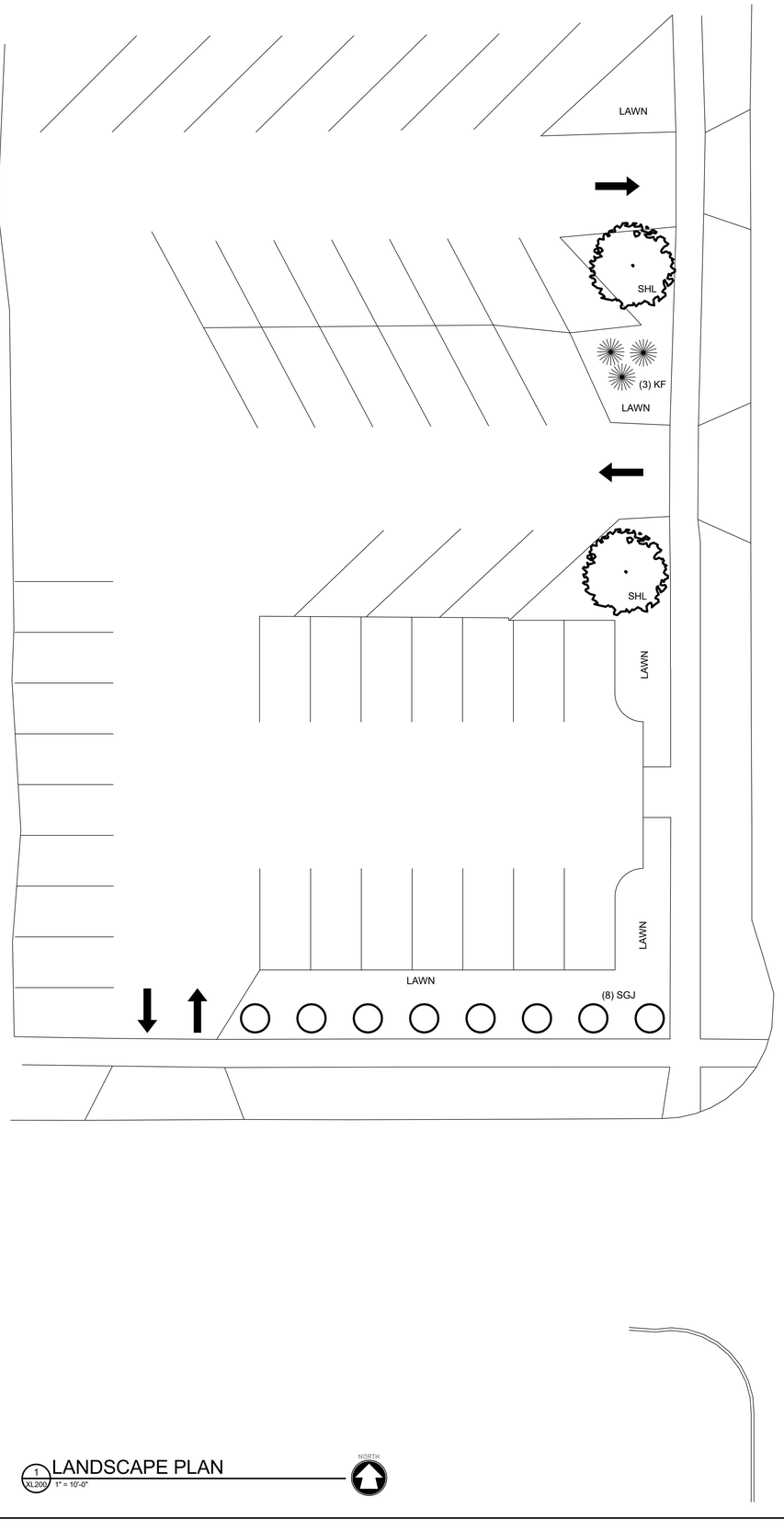
PROJECT NO.
00002 6-16-00160

DATE
MARCH 3, 2017

SHEET NO.
XC103

mabing, W:\PROJECTS\00002\616001601\Drawings\Civil3D\plan sheets\XC103 UTILITY & GRADING PLAN.dwg, xc103 utility & grading plan, Plot Date: 2/28/2017 4:23 PM, xrefs: (x-exist topo justice center, x-exist shade justice center, x-all points justice center, x-prop info 227 s wa

3/1/2017 2:13:27 PM




1 XL200 LANDSCAPE PLAN
1" = 10'-0"

NORTH

## TREES

| QUANTITY | PLAN SYMBOL | COMMON NAME | SPECIES | SPREAD WIDTH AT MATURITY | HEIGHT AT MATURITY | CONDITION |
|---|---|---|---|---|---|---|
| 2 | SHL | SKYLINE HONEY LOCUST | GLEDISIA TRIACANTHOS 'SKYLINE' | 30'-40' | 30'-60' | 2.5" CAL |

## SHRUBS / GRASSES

| QUANTITY | PLAN SYMBOL | COMMON NAME | SPECIES | SPREAD WIDTH AT MATURITY | HEIGHT AT MATURITY | CONDITION |
|---|---|---|---|---|---|---|
| 3 | KF | KARL FOERSTER GRASS | CALAMAGROSTIS X ACUTIFLORA - "KARL FOERSTER' | 4'-5' | 5'-6' | 3 GAL |
| 8 | SGJ | JUNIPERUS CHINENSIS "SEA GREEN" | SEA GREEN JUNIPER | 5' | 3' | 2 GAL |

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR REMOVING OF ALL EXISTING VEGETATION WHERE NEW VEGETATION IS TO BE PLACED AND DISPOSE OF OFF SITE.
2. ALL PLANTING AREAS TO BE FREE OF WEEDS AND GRASS, TREATED WITH A NON-LEACHING PRE-EMERGENT HERBICIDE, RONSTAR G, PREEN OR EQUAL, PER MANUFACTURER'S SPECIFICATIONS AND COVERED WITH TYPAR 3301 OR SUPAC 2P AND THEN WITH 2" MISSISSIPPI STONE. PRODUCE A UNIFORM TEXTURE, ON DAY OF INSTALLATION WATER HERBICIDE TO ACTIVATE IF NECESSARY.
3. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY DIGGING, EXCAVATION, ETC.
4. ALL PLANTS TO BE SIZED AND GRADED AS RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN "THE USA STANDARD FOR NURSERY STOCK".
5. PLANT SUBSTITUTIONS PERMISSIBLE ONLY WITH OWNER/ARCHITECT APPROVAL PRIOR TO BID.
6. PLASTIC OR METAL POTS TO BE REMOVED, REMOVE TOP PORTION OF FIBER POT THAT EXTENDS ABOVE FINISH GRADE AND CUT SIDES OF POT TO AID IN DECOMPOSITION.
7. CONTRACTOR TO BE RESPONSIBLE FOR STABALIZING EXISTING CITY AND PRIVATE SIDEWALKS DURING CONSTRUCTION, PROTECTING THEM FROM DAMAGE AND REPAIRING ANY DAMAGE, IF IT OCCURS, TO CITY OF APPLETON STANDARDS.
8. CONTRACTOR TO BE RESPONSIBLE FOR PROTECTING ALL EXISTING VEGETATION AND TREES DURING CONSTRUCTION AND MAINTAINING ALL "DRIP-LINE" ELEVATIONS WERE NECESSARY.
9. CORRA EDGING COMMERCIAL HEAVY DUTY GRADE 10001 BY OLD DUTCH MATERIALS TO BE USED TO SEPARATE INDIVIDUAL TREES, EVERGREENS AND ALL PLANTING BEDS INCLUDING MOW STRIP.

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

McMahon provides this drawing and all electronic files as instruments of service. All rights including copyrights are the property of McMahon. The client and/or recipient agrees to the electronic media indemnification and hold McMahon harmless from any claims or damages made to the original drawing or data by McMahon or others not employed by McMahon.

| NO. | DATE | REVISION |
|---|---|---|

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 6TH, APPLETON WI 54911
LANDSCAPE PLAN & DETAILS

| DESIGNED | DRAWN |
|---|---|
| ASF | ASF |

PROJECT NO.
O0002-61600160
DATE
MARCH 3, 2017
SHEET NO.
XL200

C:\Users\tgreuel.MCM\Documents\OCAC_Arch_Central_tgreuel@mcmgrp.com.rvt

GENERAL NOTES:

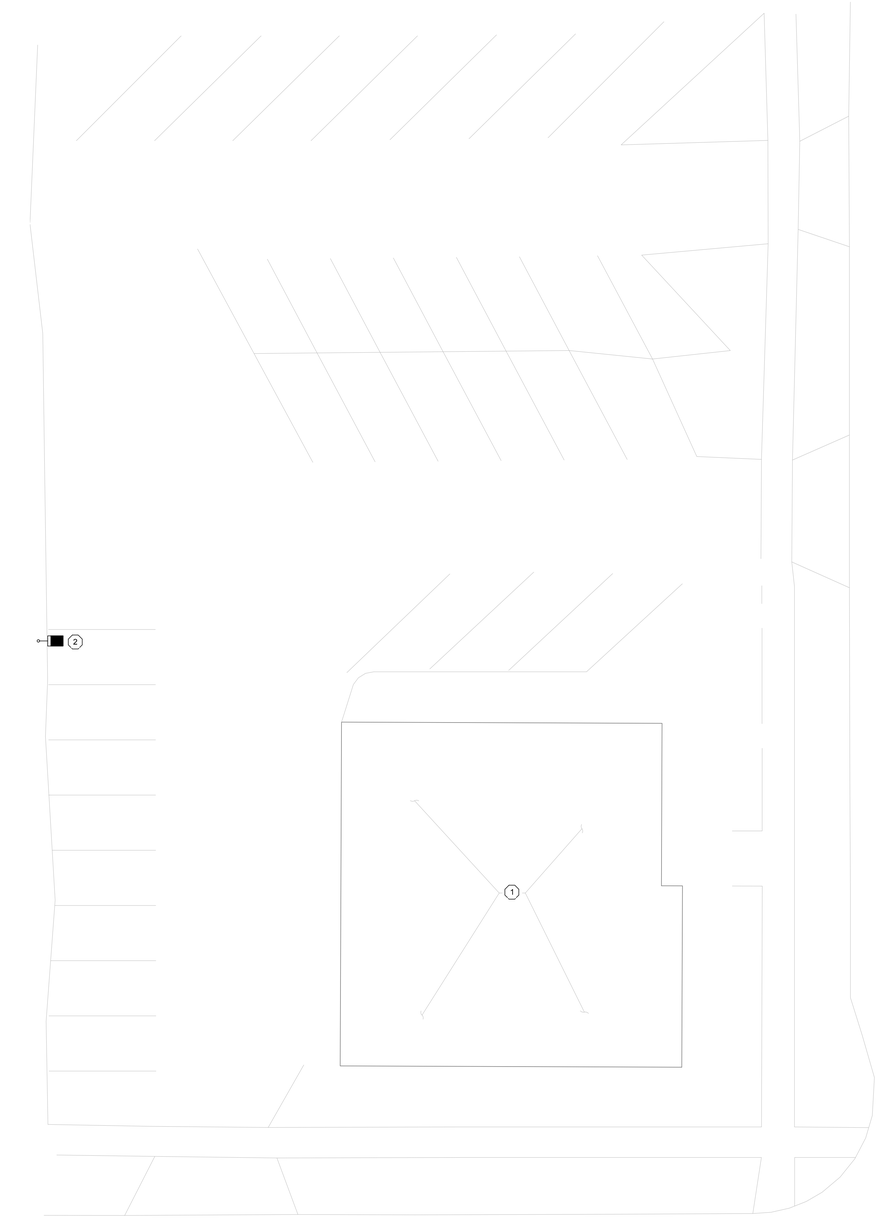
A. REFER TO DRAWING XC102 FOR EXTENT OF SITE DEMOLITION.

B. ALL WORK SHOWN ON THIS DRAWING SHALL BE INCLUDED UNDER ALTERNATE BID E3.

PLAN NOTES: (#)

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY PROVIDERS AND FOR COORDINATING THE ELECTRICAL DISCONNECTIONS OF THE EXISTING INCOMING ELECTRICAL, TELEPHONE, AND CABLE TV SERVICES TO THE EXISTING BUILDING TO ALLOW FOR THE DEMOLITION AND COMPLETE REMOVAL OF THE ENTIRE BUILDING.

2. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING DIRECT BURIAL WOOD LIGHTING POLE AND FIXTURE AND DELIVER TO OWNER STORAGE LOCATION AS PER SPECIFICATION SECTION 26 05 01.00




1 SITE ELECTRICAL DEMOLITION PLAN-227 WALNUT
Scale: 1" = 10'-0"

NORTH

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

McMAHON provides this electronic document in lieu of hard copy. All instruments of service, including those copyrights are retained by McMAHON. The document recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any claim arising from unauthorized changes made to the original document or any use of the document without written consent by McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

227 SOUTH WALNUT STREET
CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN
SITE ELECTRICAL DEMOLITION PLAN

| DESIGNED | DRAWN |
|---|---|
| JMM | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
XE101

| SITE LIGHTING FIXTURE SCHEDULE - WALNUT ST PARKING | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TYPE | DESCRIPTION | MANUFACTURER | CATALOG NUMBER | LAMP TYPE | LAMP COLOR | LAMP QTY PER FIXTURE | VOLTAGE | WATTAGE | NOTES |
| YC | LED AREA LIGHT WITH 25' POLE AND 30" CONCRETE BASE | EATON MCGRAW EDISON | GLEON-AF-02-LED-E1-SLR-7030-800 | LED | 3000 K | 1 | 277 V | 85W | 1 |
| YD | LED AREA LIGHT WITH 25' POLE AND 30" CONCRETE BASE | EATON MCGRAW EDISON | GLEON-AF-03-LED-E1-5WQ-7030-800 | LED | 3000 K | 1 | 277 V | 124W | 1 |

SITE LIGHTING SCHEDULE NOTES:

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



McGraw-Edison

GALLEON LED

1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

**DESCRIPTION**

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy-conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

| Catalog # | GLEON-AF-02-LED-E1-SLR-7030-800 | Type |
|---|---|---|
| Job Name | | YC |
| Project | | |
| Comments | | Date |
| Prepared by | | |

**SPECIFICATION FEATURES**

**Construction**
Extruded aluminum driver enclosure thermally isolated from LED modules for optimal thermal performance. Rears-well, die-cast aluminum and caps enclose Light Squares for optimal aluminum heat sinks. A unique, patent pending interlocking housing and rear sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

**Optics**
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 5000K CCT, 70 CRI. Optional 3000K, 5000K and 6000K CCT.

**Electrical**
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480Y Wye systems only. Standard 4000V surge protection device standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, consult factory. Dimming is an option. Light Squares are IP66 rated. Greater than 90% lumen maintenance at 60,000 hours. Available in standard 1A drive current and optional 530mA, 700mA and 1200mA drive currents (nominal).

**Mounting**
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide mounts onto the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 3.22" to 4.78". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock out enables round pole mounting.

**Finish**
Housing finished in super durable TGIC polyester powder coat paint. Exclusive DLG premium finish offers superior protection against fade and wear. Five standard architectural colors include black, bronze, gray, white, dark platinum and graphite metallic. RAL and custom color matches available.

**Warranty**
Five-year warranty.

**DIMENSIONS**



**DIMENSION DATA**

| Number of Light Squares ** | "A" Width | "B" Standard Arm Length | "C" Optional Arm Length | Weight with Arm (lbs.) | EPA with Arm (Sq. Ft.) |
|---|---|---|---|---|---|
| 1-4 | 15 1/2" (394mm) | 11"(28cm) | 23"(58cm) | 19.2 (kgs.) | 0.96 |
| 5-6 | 21 5/8" (549mm) | 11"(28cm) | 23"(58cm) | 28 (kgs.) | 1.04 |
| 7-8 | 27 7/8" (708mm) | 11" (28cm) | 23" (58cm) | 36 (kgs.) | 1.07 |
| 9-10 | 33 5/8" (854mm) | 11" (28cm) | 23" (58cm) | 45 (kgs.) | 1.12 |

NOTES: 1) Optional arm length is for wall and other mounting only. Consult factory for other arm lengths. 2) EPA calculated at 90° to the luminaire.

**DRILLING PATTERN**




**CERTIFICATION DATA**
UL/cUL Wet Location Listed
IP66
CSA C22.2 No. 250.0
ANSI C136.31 (2010) 3G Vibration Rated
CE Mark
Designlights Consortium™ Qualified*

**ENERGY DATA**
Electronic Driver has a Power Factor >90% Total Harmonic Distortion <20%
40°C Min. Temperature
50°C Max. Temperature
40°C Max. Temperature (HA Option)

*www.designlights.org

TDSGAL001N
2018-09-26 10:31:05

**GLEON** GALLEON LED

**NOMINAL POWER LUMENS (4000K)**

| Number of Light Squares | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nominal Power (Watts) | | 85 | 124 | 171 | 210 | 249 | 295 | 344 | 376 | 419 | 470 |
| Input Current @ 120V (A) | | 0.71 | 1.04 | 1.43 | 1.75 | 2.08 | 2.46 | 2.87 | 3.13 | 3.49 | 3.92 |
| Input Current @ 208V (A) | | 0.41 | 0.60 | 0.82 | 1.01 | 1.20 | 1.42 | 1.66 | 1.81 | 2.02 | 2.26 |
| Input Current @ 240V (A) | | 0.36 | 0.52 | 0.71 | 0.88 | 1.04 | 1.23 | 1.44 | 1.57 | 1.75 | 1.96 |
| Input Current @ 277V (A) | | 0.31 | 0.45 | 0.62 | 0.76 | 0.90 | 1.06 | 1.24 | 1.35 | 1.51 | 1.69 |
| Input Current @ 347V (A) | | 0.25 | 0.36 | 0.49 | 0.61 | 0.72 | 0.85 | 0.99 | 1.08 | 1.21 | 1.35 |
| Input Current @ 480V (A) | | 0.18 | 0.26 | 0.35 | 0.43 | 0.52 | 0.61 | 0.71 | 0.78 | 0.87 | 0.98 |
| Input Current @ 480V (A) | | 0.11 | 0.18 | 0.25 | 0.31 | 0.38 | 0.44 | 0.51 | 0.56 | 0.62 | 0.70 |
| **Optics** | | | | | | | | | | | |
| T2 | 4000K/5000K Luminaire | 8,991 | 14,468 | 19,938 | 25,588 | 28,237 | 33,383 | 37,823 | 40,191 | 46,712 | |
| | 3000K Luminaire | 8,376 | 13,527 | 18,764 | 23,862 | 26,460 | 31,287 | 35,455 | 37,687 | 43,800 | |
| | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T3 | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T4M | 4000K/5000K Luminaire | 9,037 | 14,592 | 20,232 | 25,931 | 28,917 | 34,392 | 39,071 | 41,853 | 48,878 | |
| | 3000K Luminaire | 8,414 | 13,585 | 18,837 | 24,138 | 26,924 | 32,024 | 36,375 | 38,964 | 45,509 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T4W | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T4VW | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T5 | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T5W | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T4FT | 4000K/5000K Luminaire | 9,037 | 14,592 | 20,232 | 25,931 | 28,917 | 34,392 | 39,071 | 41,853 | 48,878 | |
| | 3000K Luminaire | 8,414 | 13,585 | 18,837 | 24,138 | 26,924 | 32,024 | 36,375 | 38,964 | 45,509 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T5VS | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T5W | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T4VS | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T4VNA | 4000K/5000K Luminaire | 9,188 | 14,841 | 20,581 | 26,377 | 29,424 | 34,998 | 39,748 | 42,581 | 49,730 | |
| | 3000K Luminaire | 8,557 | 13,819 | 19,163 | 24,559 | 27,400 | 32,588 | 37,012 | 39,648 | 46,300 | |
| | BUG Rating | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | |
| T4VNW

TYPE: YC

LitePro

## Photometric Data Summary

**LUMINAIRE:** GLEON-AF-02-LED-E1-SLR-7030-800
GALLEON AREA AND ROADWAY LUMIN
TEST IS SCALED FROM IESNA LM-7
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
BALLAST:
BALLAST FACTOR: 1.00
LAMP:
LUMENS PER LAMP: 8335
WATTS: 85
CUTOFF TYPE: Full Cutoff
RANGE CLASS: Very Short Range
LUMINOUS OPENING IN FEET
LENGTH: 1.00
WIDTH: 0.50
HEIGHT: 0.00

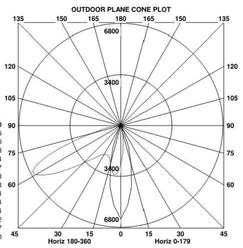
TEST #GLEON-AF
DATE: 2/28/2017
**TOTAL LUMINAIRE EFFICIENCY = 3.1%**

**ZONAL LUMENS**

| ZONE | LUMENS | % LAMP | % FIXTURE |
|---|---|---|---|
| 0-30 | 1084 | 0.4 | 13.0 |
| 0-40 | 1941 | 0.7 | 23.3 |
| 0-60 | 5056 | 1.9 | 60.7 |
| 0-90 | 8335 | 3.1 | 100.0 |
| 0-180 | 8335 | 3.1 | 100.0 |

**CANDELA SUMMARY**

| ANGLE | 0.0 | 90.0 | 180.0 | 270.0 | 360.0 |
|---|---|---|---|---|---|
| **0.0** | 2586 | 2586 | 2586 | 2586 | 2586 |
| **7.5** | 2270 | 1061 | 1299 | 2517 | 2270 |
| **15.0** | 1903 | 460 | 527 | 1932 | 1903 |
| **22.5** | 2424 | 225 | 247 | 2401 | 2424 |
| **30.0** | 3307 | 197 | 213 | 3289 | 3307 |
| **37.5** | 4073 | 140 | 156 | 4046 | 4073 |
| **45.0** | 4818 | 129 | 146 | 4688 | 4818 |
| **52.5** | 5524 | 122 | 144 | 5306 | 5524 |
| **60.0** | 6294 | 107 | 133 | 5930 | 6294 |
| **67.5** | 5324 | 95 | 122 | 4244 | 5324 |
| **75.0** | 2182 | 74 | 104 | 1881 | 2182 |
| **82.5** | 887 | 40 | 68 | 718 | 887 |
| **90.0** | 0 | 0 | 0 | 0 | 0 |




Vert. Plane Through 315.0-135.0 Horiz.
Horiz. Cone Through 62.5 Vert.
Max Candelas = 6651 @ 315.0H,62.5V

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.

TYPE: YD

LitePro

## Photometric Data Summary

**LUMINAIRE:** GLEON-AF-03-LED-E1-SWQ-7030-800
GALLEON AREA AND ROADWAY LUMIN
TEST IS SCALED FROM IESNA LM-7
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
BALLAST:
BALLAST FACTOR: 1.00
LAMP:
LUMENS PER LAMP: 13686
WATTS: 124
CUTOFF TYPE: Full Cutoff
RANGE CLASS: Short Range
LUMINOUS OPENING IN FEET
LENGTH: 1.00
WIDTH: 1.00
HEIGHT: 0.00

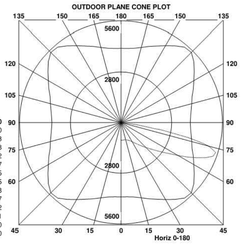
TEST #GLEON-AF
DATE: 2/28/2017
**TOTAL LUMINAIRE EFFICIENCY = 2.1%**

**ZONAL LUMENS**

| ZONE | LUMENS | % LAMP | % FIXTURE |
|---|---|---|---|
| 0-30 | 887 | 0.1 | 6.5 |
| 0-40 | 1772 | 0.3 | 12.9 |
| 0-60 | 5738 | 0.9 | 41.9 |
| 0-90 | 13686 | 2.1 | 100.0 |
| 0-180 | 13686 | 2.1 | 100.0 |

**CANDELA SUMMARY**

| ANGLE | 0.0 | 20.0 | 45.0 | 65.0 | 90.0 |
|---|---|---|---|---|---|
| **0.0** | 970 | 970 | 970 | 970 | 970 |
| **7.5** | 976 | 976 | 970 | 964 | 963 |
| **15.0** | 997 | 993 | 988 | 975 | 978 |
| **22.5** | 1081 | 1061 | 1049 | 1042 | 1042 |
| **30.0** | 1248 | 1238 | 1209 | 1209 | 1197 |
| **37.5** | 1516 | 1504 | 1509 | 1486 | 1485 |
| **45.0** | 1947 | 1926 | 1945 | 1935 | 1945 |
| **52.5** | 2375 | 2422 | 2576 | 2485 | 2428 |
| **60.0** | 3028 | 3163 | 3627 | 3271 | 3087 |
| **67.5** | 4294 | 4461 | 5051 | 4433 | 4292 |
| **75.0** | 3101 | 3568 | 4991 | 3561 | 2841 |
| **82.5** | 177 | 244 | 878 | 257 | 160 |
| **90.0** | 0 | 0 | 0 | 0 | 0 |




Vert. Plane Through 45.0-225.0 Horiz.
Horiz. Cone Through 72.5 Vert.
Max Candelas = 5482 @ 45.0H,72.5V

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.

CALCULATION SUMMARY

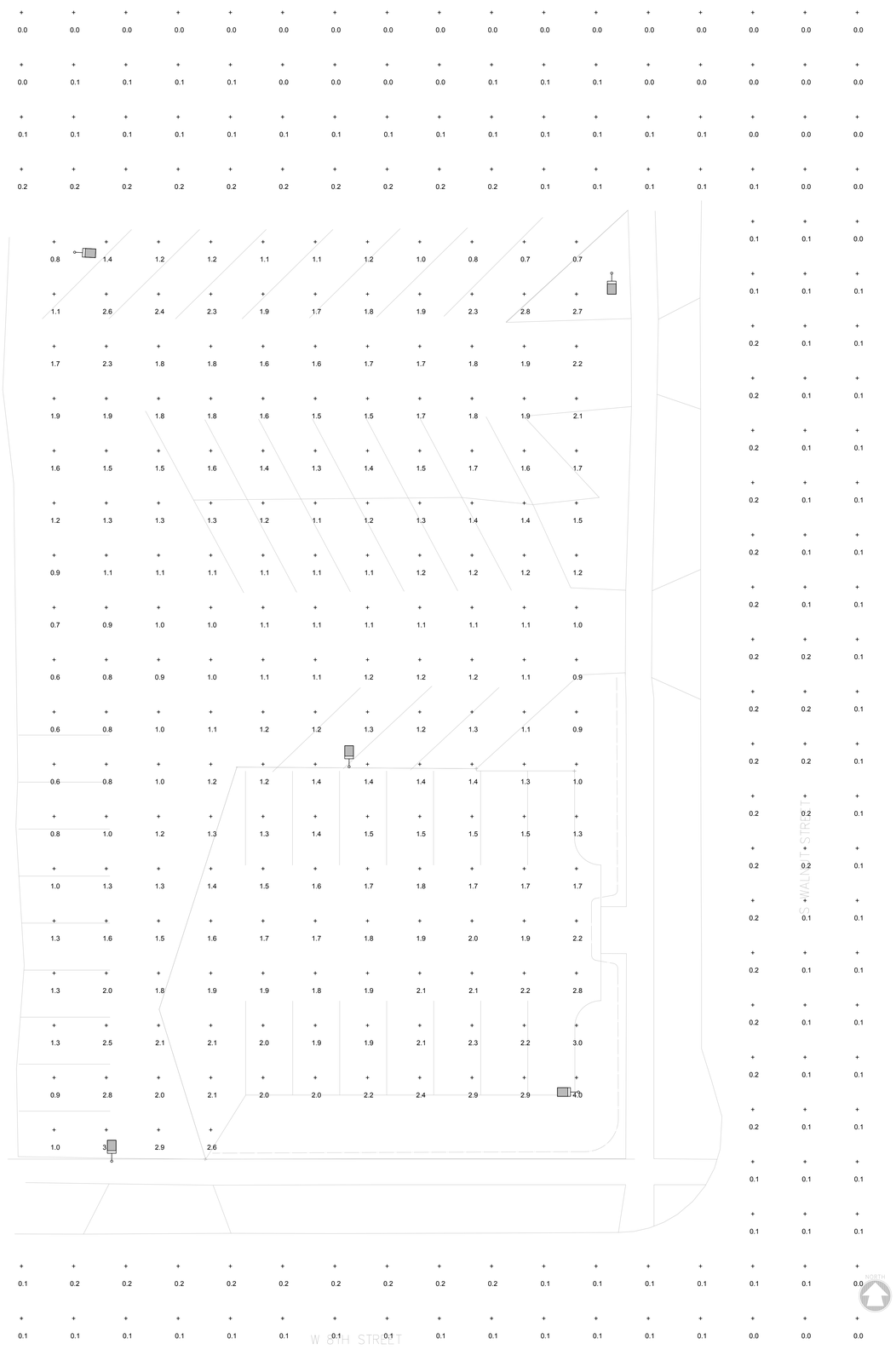
| AREA NAME | DIMENSIONS | GRID / TYPE | # PTS | SPAC | GROUP | AVE | MAX | MIN | MAX/MIN | AVE/MIN |
|---|---|---|---|---|---|---|---|---|---|---|
| Walnut St Parking | 218.81x277.38Ft | Parking Lot / H-H | 191 | 10.00 | <+> | 1.55 | 4.05 | 0.60 | 6.74 | 2.59 |
| | | LtTrespass / H-H | 336 | 10.00 | <+> | 0.10 | 0.36 | 0.01 | 28.84 | 7.95 |

OCAC PARKING - WALNUT ST & EIGHTH RENOVATION LUMINAIRE SCHEDULE

| TYPE | SYMBOL | DESCRIPTION | LAMP | LUMENS | MOUNTING/BALLAST | LLF | QTY |
|---|---|---|---|---|---|---|---|
| YD | | EATON - McGRAW- 28' MTG HT<br>(1) "GSWQ" GLEON-AF-03-LED-E1-5WQ-7030-800 | (48) | 13686 | 25' POLE<br>30" BASE | 0.90 | 1 |
| YC | | EATON - McGRAW- 28' MTG HT<br>(1) "GSLR" GLEON-AF-02-LED-E1-SLR-7030-800 | (32) | 8335 | 25' POLE<br>30" BASE | 0.90 | 4 |

2 227 WALNUT SITE PHOTOMETRIC SCHEDULE

Scale: 1" = 10'-0"




1 SITE ELECTRICAL PLAN PHOTOMETRIC-227 WALNUT

Scale: 1" = 10'-0"

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Madison, WI 53705 Milwaukee, WI 53202
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMAHON provides this electronic file without warranties of any kind, as instruments of service, all rights reserved for copyright are retained by McMAHON. Recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any damages, liabilities or costs arising from changes made to the original electronic file without the written consent of McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

**227 SOUTH WALNUT STREET**
**CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN**
**LIGHTING PHOTOMETRIC PLAN**

| DESIGNED | DRAWN |
|---|---|
| CEH | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
XE103

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<br>Exterior Area/Surface | B<br>Quantity | C<br>Allowed Watts / Unit | D<br>Tradable Wattage | E<br>Allowed Watts (B x C) | F<br>Proposed Watts |
|---|---|---|---|---|---|
| Parking area | 24720 ft2 | 0.06 | Yes | 1483 | 464 |
| | | | Total Tradable Watts* = | 1483 | 464 |
| | | | Total Allowed Watts = | 1483 | |
| | | | 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<br>Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast | B<br>Lamps/ Fixture | C<br># of Fixtures | D<br>Fixture Watt. | E<br>(C X D) |
|---|---|---|---|---|
| Parking area (24720 ft2): Tradable Wattage | | | | |
| LED 1: YC: FULL CUTOFF TYPE SLR POLE MTD: LED Roadway-Parking Unit 88W: | 1 | 4 | 85 | 340 |
| LED 2: YD: FULL CUTOFF TYPE V POLE MTD.: LED Roadway-Parking Unit 130W: | 1 | 1 | 124 | 124 |
| | | | Total Tradable Proposed Watts = | 464 |

## 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:

☐ 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 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.



☒ 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.

*Exceptions:*

N/A
☐ 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 — 02/28/2017
Name - Title: Lighting Designer — Signature — Date



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

McMAHON provides this electronic document in lieu of paper, as instruments of service. All rights reserved by copyright are retained by McMAHON. By accepting, the recipient agrees to the fullest extent permitted by law to indemnify and hold McMAHON harmless from any claims arising from changes made to the original electronic document by others without written consent by McMAHON.

| NO. | DATE | REVISION |
|---|---|---|
| | | |

| NO. | DATE | REVISION |
|---|---|---|
| | | |

**227 SOUTH WALNUT STREET**
**CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN**
**COMCHECK REPORT-SITE LIGHTING**

| DESIGNED | DRAWN |
|---|---|
| CEH | MAL |

PROJECT NO.
O0002-61600160

DATE
MARCH 3, 2017

SHEET NO.
XE801