



## **Addendum No. 01**

DATE June 20, 2016  
CLIENT Department of Veteran Affairs  
PROJECT Relocate Police Operation Center  
BWBR COMM. # 3.2015217.00

To: Bidders of Record

This Addendum modifies the Bidding Documents for the project identified above.

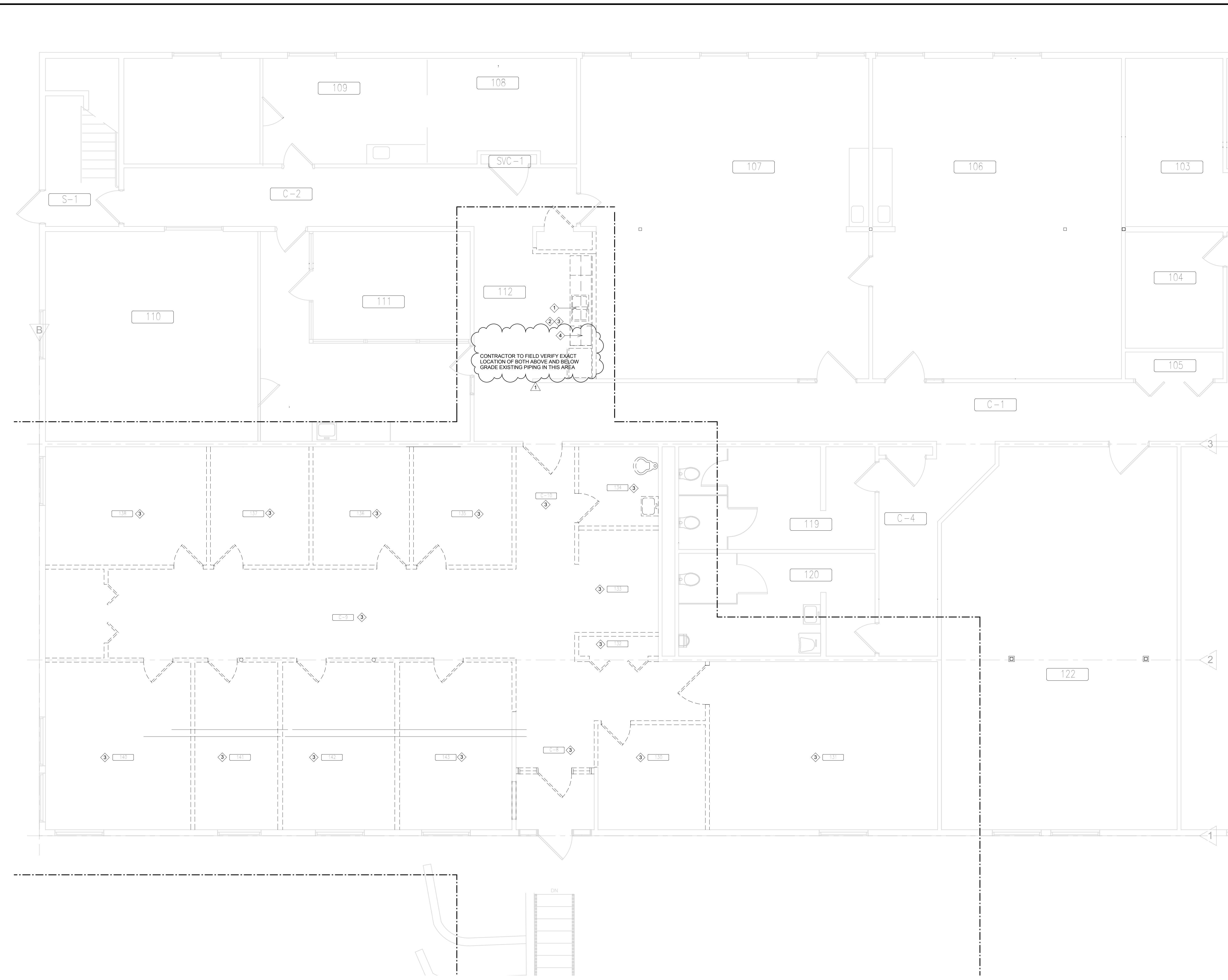
Acknowledge receipt of this Addendum by recording number and date of issue on the Bid Form. Failure to do so may result in disqualification of the Bid. This addendum consists of 1 pages and the following attachments:

ATTACHMENTS Project Manual: None  
Drawing Sheets: MD103, PP100, PP101, E068, ED102, EP101, E201

### **DRAWINGS**

1. **MD103 – First Floor Plumbing/Sprinkler Demolition Plan (Reissued)**
  - A. Refer to attached drawings for demolition of existing dishwasher rough-in for relocation.
2. **PP100 - Underground Plumbing Plan (Reissued)**
  - A. Refer to attached drawing for installation of standpipe drain for dishwasher and clarification for connection of piping to existing services.
3. **PP101 - First Floor Plumbing Plan (Reissued)**
  - A. Refer to attached drawing for installation of drain standpipe and water connection for relocated dishwasher.
4. **E068 - Building 68 Orientation Plan (Reissued)**
  - A. Disconnect electrical connection to existing power operated doors and fire alarm annunciate panel.
  - B. Add keynotes as indicated on reissued sheet.
5. **ED102 - Power and Systems Demolition Plan (Reissued)**
  - A. Disconnect electrical connection to existing dish machine to be relocated.
  - B. Add keynote as indicated on reissued sheet.
6. **EP101- Power Plan (Reissued)**
  - A. Extend electrical connection to relocated dish machine as indicated.
  - B. Add keynote as indicated on reissued sheet.
7. **E201- Enlarged Electrical Plan (Reissued)**
  - A. Demolish abandoned electrical enclosure and associated conduit as indicated.
  - B. Relocate existing fire alarm control panel and modify existing electrical feed as indicated.
  - C. Add keynotes as indicated on reissued sheet.
  - D. Revise location of new suspended transformer.

**END ADDENDUM NO. 01**



- GENERAL NOTES:**
- A. PLUMBING CONTRACTOR SHALL REFER TO THE VA MASTER SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS WITHIN THE 2011 PLUMBING DESIGN GUIDE. ALL REQUIREMENTS OF THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN THOSE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION.
  - B. PLUMBING CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM ALL MECHANICAL WORK INDICATED. COORDINATION OF SCHEDULES WITH ADJACENT DEPARTMENTS AND CLEANING OF ALL DEBRIS AFTER EACH WORK SHIFT SHOULD BE ASSUMED IN THE BASE BID SCOPE.
  - C. ANY MAJOR OUTAGES INDICATED ON THESE DRAWINGS SHALL BE SCHEDULED TO BE PERFORMED AFTER NORMAL BUSINESS HOURS OR DURING WEEKEND PERIODS TO MINIMIZE HOSPITAL DISRUPTION. VA FACILITIES WILL REQUIRE A MINIMUM OF TWO(2) WEEKS NOTICE PRIOR TO ANY SUCH OUTAGE AFFECTING MORE THAN ONE ADJACENT FLOOR.
  - D. COORDINATE ALL NEW PLUMBING ROUTING WITH ALL OTHER TRADES TO INSURE ADEQUATE CLEARANCES FOR DUCTWORK, ELECTRICAL CONDUIT, STRUCTURAL SUPPORTS, PIPING, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS AND TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
  - E. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
  - F. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT, OR OTHER PIPING ENCOUNTERED.
  - G. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED, OR DISTURBED, DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
  - H. ALL EXISTING PIPING THROUGH NEW FIRE RATED WALLS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED. PIPING PENETRATIONS THROUGH INTERSTITIAL FLOOR SHALL BE DRILLED, OR CUT, BY THE CONTRACTOR AND FIRE SEALED AS REQUIRED.
  - I. ALL CORE DRILLING OR ANY ACTIVITIES CAUSING EXTREME VIBRATION OR NOISE SHALL BE COORDINATED TO BE PERFORMED AFTER BUSINESS HOURS TO NOT AFFECT CRITICAL HOSPITAL FUNCTIONS WITHIN ADJACENT AREAS. COORDINATE WITH UMMC REPRESENTATIVE AS REQUIRED.
  - J. FIELD VERIFY EXISTING WATER, WASTE, VENT, OR OTHER PIPING SYSTEMS FOR CONNECTIONS TO FIXTURES THAT MAY NOT BE IDENTIFIED ON PLANS PRIOR TO SERVICE OUTAGES, DEMOLITION, OR ALTERATIONS OF EXISTING PIPE ROUTING. COORDINATE UNKNOWN SERVICE WITH VA FACILITIES AND ENGINEER OF RECORD.
  - K. THE MECHANICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.
  - L. REMOVE EXISTING PLUMBING SYSTEMS THAT ARE NO LONGER ACTIVE.
  - M. REFER TO PLUMBING FIXTURE SCHEDULE FOR SIZING OF PIPE BRANCHES TO INDIVIDUAL FIXTURES.

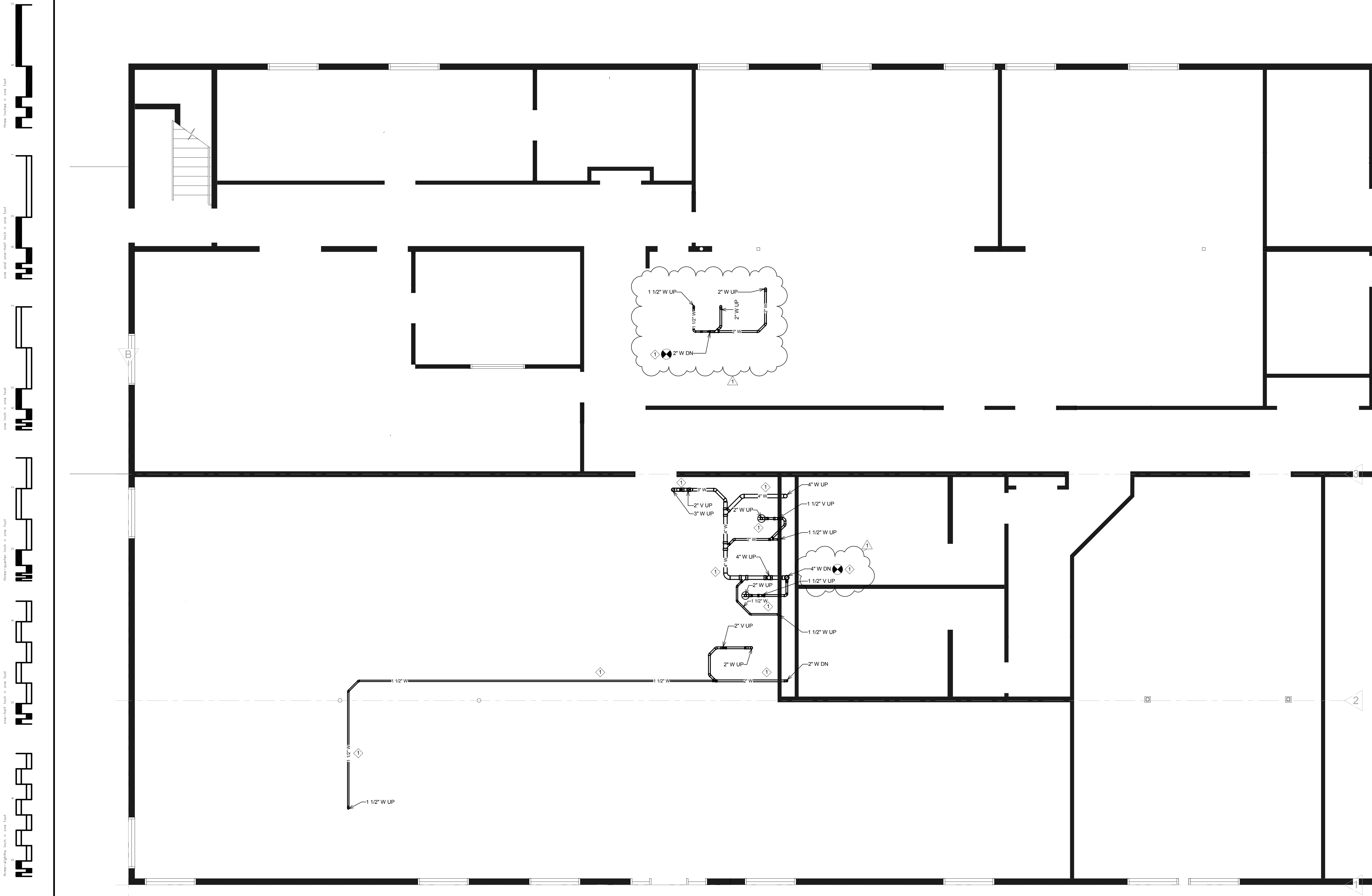
- KEY NOTES:**
- ① REMOVE EXISTING SINK FIXTURE ALONG WITH ALL VENT AND WATER PIPING ROUGH-INS TO THIS LOCATION. REFER TO NEW PLANS FOR RECONNECTION OF NEW PLUMBING FIXTURES INTO SAME WATER AND VENT SERVICES PREVIOUSLY SERVING THIS EXISTING SINK TO BE DEMOLISHED.
  - ② KITCHENETTE SHALL REMAIN AVAILABLE ON A TEMPORARY BASIS. CONTRACTOR SHALL FACILITATE WORK IN THIS AREA AS TO MINIMIZE DISRUPTION TO DAY CARE FACILITY. COORDINATE OUTAGES OF SERVICE WITH DAY CARE THROUGH ENGINEERING COR.
  - ③ FIRE PROTECTION CONTRACTOR SHALL COORDINATE DEMOLITION OF ALL BRANCH SPRINKLER PIPING AND ASSOCIATED SPRINKLER HEADS THROUGHOUT THE ENTIRE CONSTRUCTION AREA. REUSE OF EXISTING HEADS AND/OR BRANCH PIPING WILL NOT BE PERMITTED-REFER TO NEW PLUMBING SPRINKLER DRAWING FOR INSTALLATION OF NEW SPRINKLER HEADS.
  - ④ REMOVE EXISTING WASTE PIPING, AND DOMESTIC WATER CONNECTION WITH BACKFLOW PREVENTION, TO EXISTING DISHWASHER REQUIRING TO BE RELOCATED. COORDINATE FLOOR SAWCUTTING AND PATCHING REQUIRED TO RELOCATE THESE SERVICES TO NEW ROUGH-IN LOCATION AS REQUIRED.

① 1 - Plumbing/Sprinkler - Demolition - Plot  
1/4" = 1'-0"

<b>GENERAL NOTES:</b> GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS. WHERE VARIATIONS ARE FOUND TO OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION; NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.  GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS & CEILING & FLOORS. ANY AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR BY TRADE. FIRESTOPPING OF THESE OPENING SHALL BE DONE BY THE RESPECTIVE SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED BY THE VARIOUS SUBCONTRACTORS.		<b>B   W   B   R</b>  380 St. Peter Street, Ste. 600 Saint Paul, MN 55102 651.222.3701 bwbr.com		<small>I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  JASON GOTTWALT, P.E. DATE: 04/15/2016 REG. NO.: 4180</small>	<b>Drawing Title</b> <b>FIRST FLOOR PLUMBING/SPRINKLER DEMOLITION PLAN</b>	<b>Project Title</b> Relocate Police Operations Center	<b>Project No.</b> VA Project # : 618-14-117 BWBR Project # : 3.2015217.00
<b>ADDENDUM #1</b> REVISIONS	06/17/16 DATE		<b>Drawing Scale</b> AS NOTED	<b>Approved: Division Chief</b>	<b>Location</b> V.A. MEDICAL CENTER ONE VETERANS DRIVE MINNEAPOLIS, MN 55417	<b>Building Number</b> 68	
			<b>Plot Scale</b> 12" = 1'-0"	<b>Approved: Service Director</b>	<b>Date</b> 04/15/2016	<b>Drawing</b> JRG BC/JG	
				<b>Drawing No.</b> <b>1319-MD103</b>	<b>Office of Facilities Management</b>  Department of Veterans Affairs		

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- GENERAL NOTES:**
- A. CONTRACTOR WILL BE RESPONSIBLE FOR ALL SAWCUTTING OF FLOOR SLAB ON GRADE AND TRENCHING REQUIRED FOR NEW PLUMBING INSTALLATION. REFER TO SPECIFICATION FOR BACKFILLING REQUIREMENTS.
  - B. ALL PATCHING OF FLOOR SHALL BE PROVIDED BY MECHANICAL CONTRACTOR, WITH FLOOR FINISHES WITHIN CONSTRUCTION AREA BY GENERAL CONTRACTOR UNDER THEIR SCOPE OF WORK. ANY FLOOR TRENCHED AREAS OUTSIDE OF THE CONSTRUCTION AREA SHALL HAVE FLOOR FINISHES REPAIRED AS REQUIRED BY MECHANICAL CONTRACTOR TO MATCH. COORDINATE ACCEPTABLE METHODS WITH ARCHITECT.
  - C. ELEVATION AND CONDITION OF EXISTING UNDERGROUND PIPING SHALL BE DETERMINED AT POINTS OF CONNECTION PRIOR TO ANY NEW PLUMBING INSTALLATION WORK. REFER TO KEY NOTES ON THIS DRAWING.

- KEY NOTES:**
- 1 CONTRACTOR SHALL SAW CUT FLOOR AS REQUIRED TO INSTALL NEW PIPING. CONTRACTOR SHALL PROVIDE CLEAN FILL FOR BACKFILL, FREE OF CONCRETE AND CHUNKS. FLOOR PATCHING SHALL MATCH EXISTING FLOOR AREAS TO EXTENT POSSIBLE.

1 0 - Plumbing - New - Plot  
NO SCALE

REVISIONS	ADDENDUM #1	DATE
		06/17/16

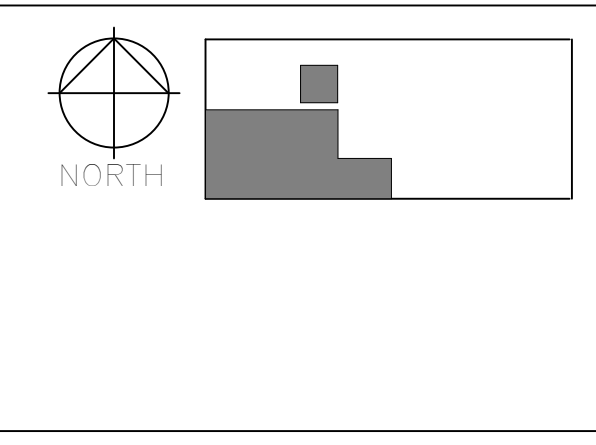
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*Jason Gottwalt*  
JASON GOTTWALT, P.E.  
DATE: 04/15/2016 REG. NO.: 4180

UNDERGROUND PLUMBING PLAN

Approved: Division Chief

Approved: Service Director

Relocate Police Operations Center

Location: V.A. MEDICAL CENTER  
ONE VETERANS DRIVE  
MINNEAPOLIS, MN 55417

Date: 04/15/2016 Checked: JRG Drawn: BC/JG

Project No. 618-14-117  
BWBR Project # 3.2015217.00

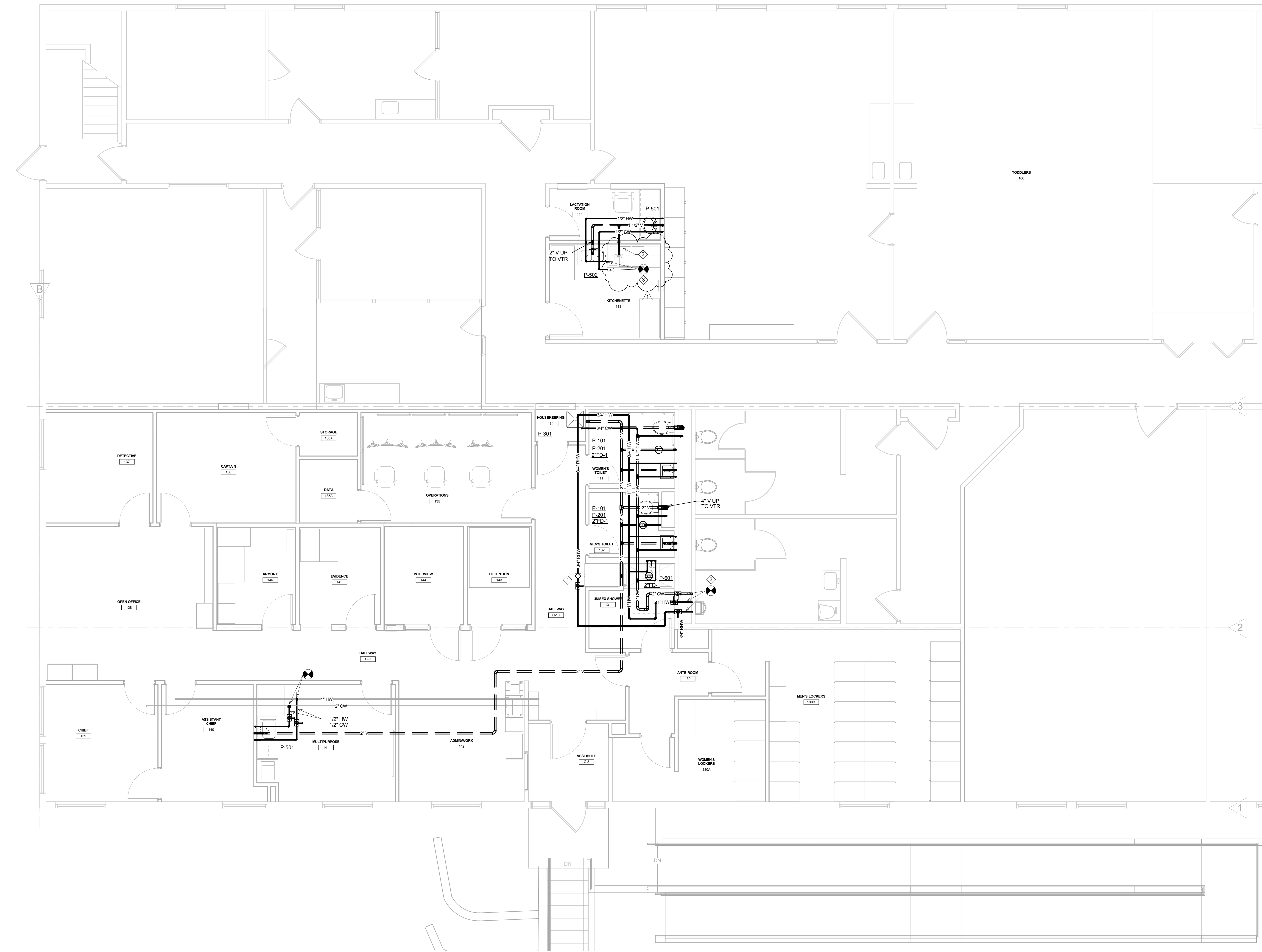
Building Number 68

DRAWING NO. 1319-PP100  
Dwg. 18 Of 37

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**Office of Facilities Management**  
 Department of Veterans Affairs



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KEY NOTES:

- BALANCE TO 0.5 GPM
- PROVIDE 2" STANDPIPE DRAIN FOR DISHWASHER DISCHARGE. COORDINATE UNDERCOUNTER SPACE AVAILABLE WITH EXISTING EQUIPMENT TO INSTALL ROUGH-IN. RECONNECT WATER WITH PROPER BACKFLOW PREVENTION DEVICE (confirm existing is suitable for reuse).
- CONTRACTOR SHALL CONFIRM EXACT LOCATION AND ELEVATION OF DOMESTIC WATER PIPING FOR POINT OF CONNECTION. COORDINATE SERVICE OUTAGE AS REQUIRED AND REPLACE ANY FAULTY VALVES AS REQUIRED TO ASSIST IN REDUCING FUTURE OUTAGES.

1 - Plumbing - New - Plot  
1/4" = 1'-0"

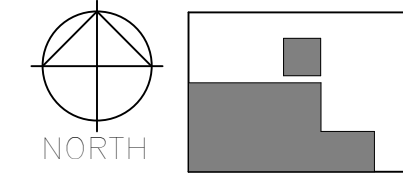
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*Jason Gottwalt, P.E.*  
DATE: 04/15/2016 REG. NO.: 4180

Drawing Title  
**FIRST FLOOR PLUMBING PLAN**

Approved: Division Chief  
Approved: Service Director

Project Title  
**Relocate Police Operations Center**

Location  
V.A. MEDICAL CENTER  
ONE VETERANS DRIVE  
MINNEAPOLIS, MN 55417

Date  
04/15/2016

Checked  
JRG

Drawn  
BC/JG

Project No.  
VA Project # 618-14-117  
BWBR Project # 3.2015217.00

Building Number  
**68**

DRAWING NO.  
**1319-PP101**

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**Office of Facilities Management**

**Department of Veterans Affairs**

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- A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT WORK IN SUCH A MANNER TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTION. TEMPORARY SERVICES TO BE MAINTAINED THROUGHOUT CONSTRUCTION. ALL SERVICE SHALL BE INSTALLED IN ONE AREA OF PHASE OF CONSTRUCTION DISRUPTS SERVICE TO THE REMAINDER OF THE BUILDING. THE REMAINDER OF THE BUILDING SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE'S TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S NOTICE AND REPRESENTATIVE. THE WORK SHALL BE COMPLETED BY MONDAY AFTERNOON 6:00 PM - 6:00 AM MONDAY THROUGH FRIDAY. AFTER SERVICE TO THE REMAINDER OF THE BUILDING BEGINS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION PRIOR TO THE INTERRUPTION.
- B. BUILDING 68 HOUSES A CHILD CARE CENTER ADJACENT TO THE MAIN AREA OF WORK. DAYCARE HOURS ARE BETWEEN 8:00AM - 6:00PM. WORKERS WILL NOT BE ALLOWED IN BUILDING 68 BETWEEN THE HOURS OF 7:00AM - 3:00 PM. ALL WORK ON DAYCARE SITE OF PROJECT TO OCCUR WHEN DAYCARE IS NOT IN OPERATION. SEE GENERAL CONDITIONS FOR ADDITIONAL INFORMATION.
- C. REMOVE, REPLACE AND RELOCATE ANY ELECTRICAL DEVICES AND/OR ANY CONDITIONING AS REQUIRED TO COMPLETE REMODELING AS INDICATED ON THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DEVICES TO NEW CIRCUITS.
- D. DRAWINGS INDICATED EXISTING CONDITIONS AS THEY WERE INDICATED ON OWNER PROVIDED AS-BUILT DRAWINGS AND SITE VERIFICATION. ACTUAL CONDITIONS MAY VARY FROM THE INDICATED CONDITIONS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT LOCATIONS AND REMOVE ALL EXISTING DEVICES NECESSARY TO COMPLETE DESIGN INTENT.
- E. ALL DEVICES, EQUIPMENT, CABLING, ETC. INDICATED IN THE CONTRACT DOCUMENTS TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS.
- F. LABEL NEW RECEPTACLES AS NOTED IN SPECIFICATION SECTION 262726 PART 2.
- G. DO NOT REUSE EXISTING WIRING. PROVIDE NEW HOME RUNS UNLESS NOTED OTHERWISE. PROVIDE DEDICATED NEUTRALS AS REQUIRED BY THE NEC. HANDLE TIES OR MULTI-POLE BREAKERS FOR SINGLE PHASE LOADS TO BE UNICUED.

1. MODIFY BRANCH CIRCUIT WIRING TO MAINTAIN CONTINUITY TO REMAINING DEVICES ON CIRCUIT.
2. SUPPORT WIRELESS ACCESS POINT AND PROTECT FOR REINSTALLATION.
3. DEMOLISH FEEDER TO VAV ELECTRIC REHEAT. EQUIPMENT FED FROM PANEL L-1. LABEL ABANDONED BREAKERS AS "SPARE".
4. KITCHENETTE SHALL REMAIN AVAILABLE ON A TEMPORARY BASIS. CONTRACTOR SHALL FACILITATE WORK IN THIS AREA AS TO MINIMIZE DISRUPTION TO DAY CARE FACILITY. COORDINATE OUTAGES OF SERVICE WITH DAY CARE. TSP@PM ENGINEERING.COM
5. DISCONNECT EXISTING 240V CONNECTION TO DISH MACHINE TO BE REMOVED. MODIFY EXISTING BRANCH CIRCUIT AS REQUIRED FOR NEW CONSTRUCTION. DECEMBER FROM P-18 LEF725.275

① POWER DI  
1/4" = 1'-0"

GENERAL  
NOTES:

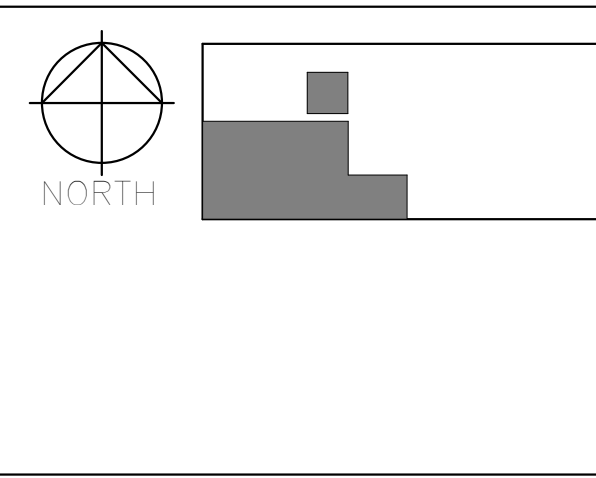
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**B | W | B | R**

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*Curtis D. Barlage*

CURTIS D. BARLAGE, P.E.

DATE: 04/15/2016 REG. NO. 45914

Drawing Scale

AS NOTED

Plot Scale

12" = 1'-0"


Drawing Title
<b>POWER AND SYSTEMS DEMOLITION PLAN</b>
Approved: Division Chief
Approved: Service Director

Project Title			
Relocate Police Operations Center			
Location			
V.A. MEDICAL CENTER ONE VETERANS DRIVE MINNEAPOLIS, MN 55417			
Date	Checked	Drawn	
04/15/2016	JK	CB	

Project No. VA Project #: <b>618-14-117</b> BWBR Project # <b>3.2015217.00</b>
Building Number <b>68</b>
DRAWING NO. <b>1319-ED102</b> Dwg. 28 Of 37

Office of  
Facilities  
Management

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 Department of  
Veterans Affairs

CD ISSUE  
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A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT WORK IN SUCH A MANNER TO CAUSE THE OWNER A MINIMUM OF DISRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS SHALL BE INSTALLED IN ONE AREA OF PHASE OF CONSTRUCTION DISRUPTS SERVICE TO AND/OR PARTS OF THE BUILDING. THE SERVICE DISRUPTION SHALL BE NOTIFIED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERFERENCES SHALL BE AS MINIMAL AS THE OWNER'S SITE REPRESENTATIVE SHALL BE SERVICE INTERRUPTED FOR A MINIMUM OF TWO (2) HOURS (8:00 P.M. - 6:00 AM) MONDAY THROUGH FRIDAY. AFTER SERVICE HAS BEEN RESTORED THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATIONAL CONDITION PRIOR TO THE INTERRUPTION.

B. BUILDING 68 HOUSES A CHILD CARE CENTER ADJACENT TO THE MAIN AREA OF HOUSES. HOUSES 68 AND 69 ARE ADJACENT TO THE MAIN AREA. WORK WILL NOT BE ALLOWED IN BUILDINGS 68 BETWEEN THE HOURS OF 11:00PM - 3:00 PM. ALL WORK ON DAYCARE SIDE OF PROJECT TO OCCUR WHEN DAYCARE IS NOT IN OPERATION. SEE GENERAL CONDITIONS FOR ADDITIONAL INFORMATION.

C. REMOVE, REPLACE AND RELOCATE ANY ELECTRICAL DEVICES AND/OR ANY CONDUIT/WIRING AS REQUIRED TO COMPLETE REMODELING AS INDICATED ON THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING EMPTY AFTER REWIRING DEVICES TO NEW CIRCUITS.

D. DRAWINGS INDICATED EXISTING CONDITIONS AS THEY WERE INDICATED ON OWNER PROVIDED AS-BUILT DRAWINGS AND SITE VERIFICATION. ACTUAL CONDITIONS MAY VARY FROM THE INDICATED CONDITIONS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT LOCATIONS AND REMOVE ALL EXISTING DEVICES NECESSARY TO COMPLETE DESIGN INTENT.

E. ALL DEVICES, EQUIPMENT, CABLING, ETC. INDICATED IN THE CONTRACT DOCUMENTS TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS.

F. LABEL NEW RECEPTACLES AS REQUIRED IN SPECIFICATION SECTION 28722 PART 2.

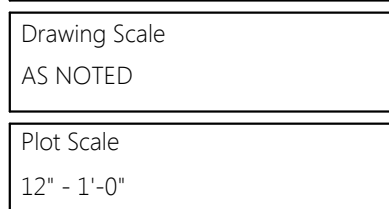
G. DO NOT REUSE EXISTING WIRING. PROVIDE NEW HOME RUNS UNLESS NOTED. HANDLE TIES OF MULTI-POLE BREAKERS FOR SINGLE PHASE LOADS. RECEPTACLES.

- ① PROVIDE TAMPER PROOF RECEPTABLES IN THIS ROOM.
- ② MOUNT DEVICE IN AN WALLBOX.
- ③ PROVIDE "AO" WALLBOX WITH POWER OUTPUT CONDITIONER. BASIS OF THE RECEPTABLE SPACES WITH WHITE FLANGE AND PACTIC POWER FILTERING KIT. PROVIDE (1) 1-1/4" TO CEILING SPACE FOR FUTURE AO CABLING.
- ④ LOCATE TOGGLE TYPE DISCONNECT SWITCH ABOVE SUSPENDED CEILING, MIN. 8" OF DOOR CONNECTION.
- ⑤ 1/2". FROM POWER DOOR OPERATOR BOX TO PUSH PLATE JUNCTION BOXES FOR DOOR CONTROL WIRING. ROUTE CONTROL WIRING FROM DOOR OPERATOR TO DOOR PUSH BUTTONS / CARD READER OPERATOR.
- ⑥ PROVIDE DOUBLE GANG BOX WITH SINGLE GANG MUDRING AND 1 1/4" C. UP TO ACCESSIBLE CEILING FOR LOW VOLTAGE CABLING FURNITURE FEED.
- ⑦ PROVIDE CONNECTION TO ELECTRIFIED PRIVACY GLASS TIMELOCK AND POWER SUPPLY. CONTROL SWITCH LOCATED IN ADMIN WORK RM 442.
- ⑧ PROVIDE CONTROL SWITCH FOR ELECTRIFIED PRIVACY GLASS AND ELECTRICAL CONNECTION TO ELECTRIFIED PRIVACY GLASS PANEL CONTROL. FINAL RECEPTABLE TO BE LOCATED IN CONTROL ROOM. PROVIDE 1 1/4" BETWEEN GLASS PANEL, CONTROL SWITCH, AND FURNITURE IN DATA CENTER AREA. SEE ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION.
- ⑨ PROVIDE CONNECTION TO SYSTEMS FURNITURE RECEPTABLES. COORDINATE FURNITURE SYSTEM WITH OWNER.
- ⑩ EXTEND EXISTING 240V CONNECTION TO RELOCATED DATA MACHINE. EXIST EXISTING WIRING AND RACEWAYS AS REQUIRED. DEVICE FED FROM 240V.

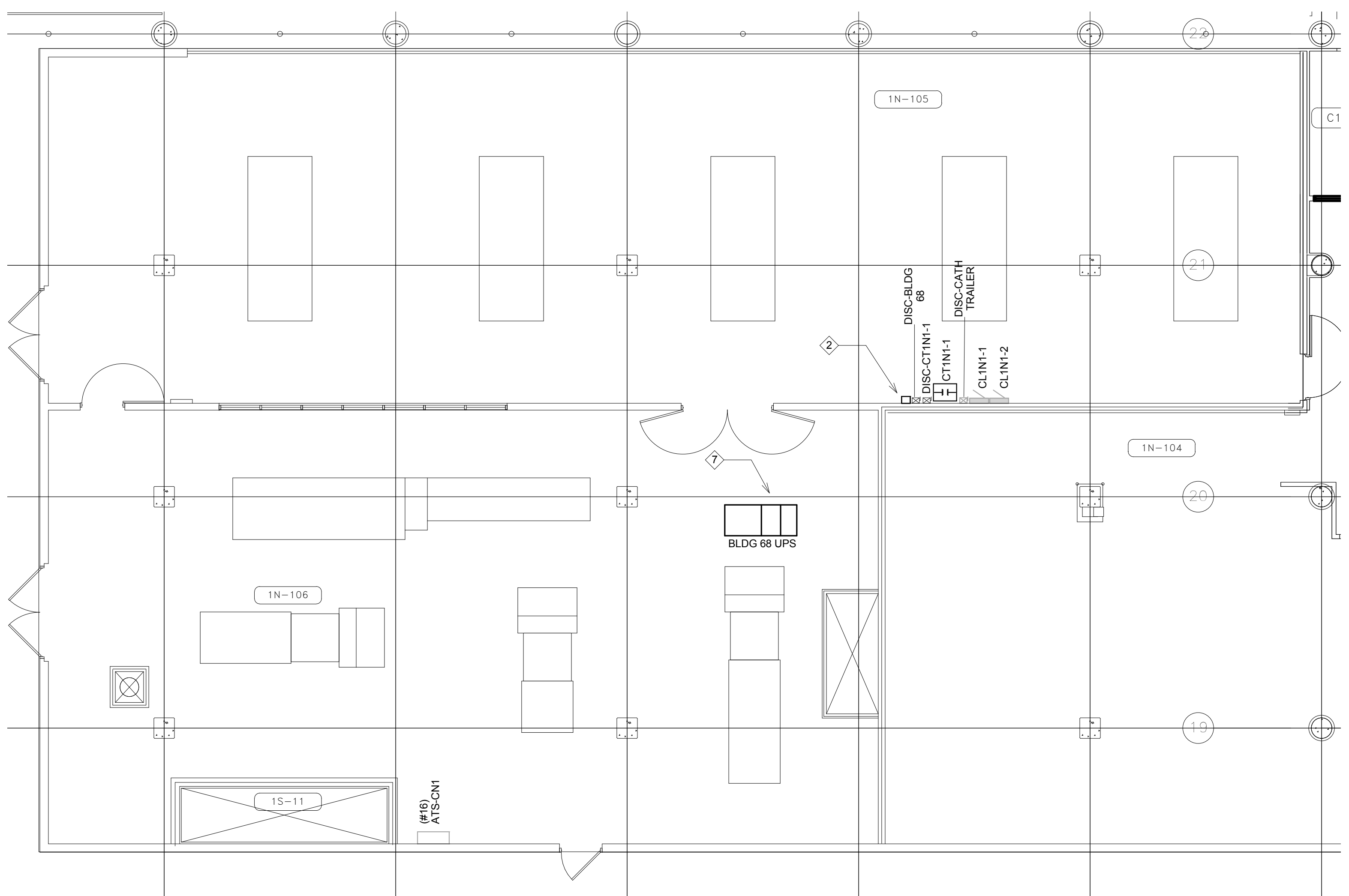
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**B | W | B | R**

380 St. Peter Street, Ste. 600  
Saint Paul, MN 55102  
651.222.3701  
bwbr.com

 Department of  
Veterans Affairs

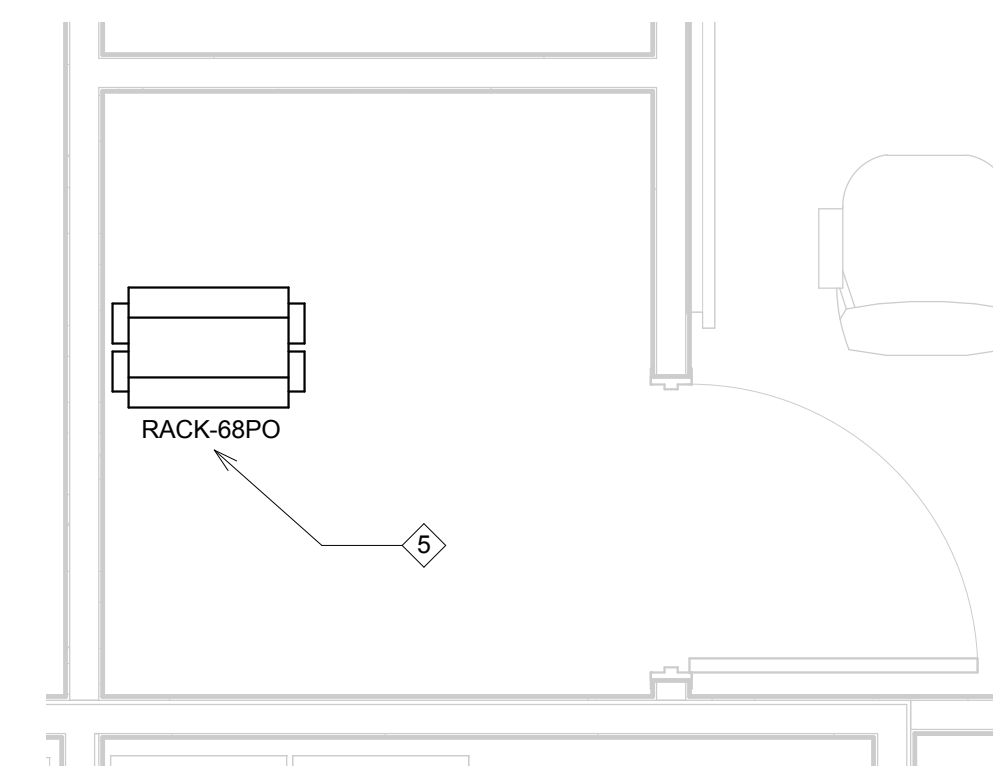
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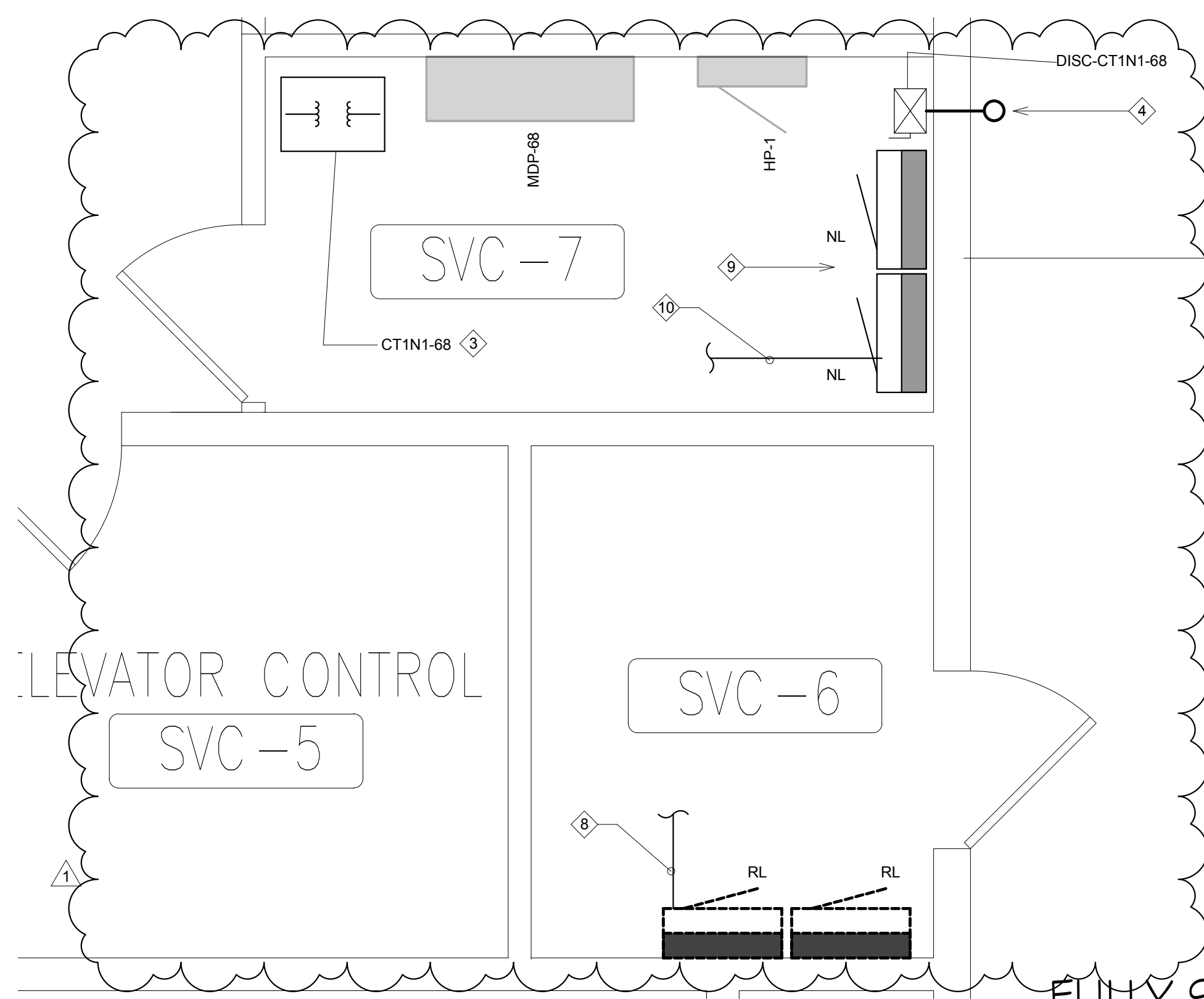
② Building 70 Power - Plot - New  
1/8" = 1'-0"

- A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT WORK IN SUCH A MANNER TO CAUSE THE OWNER A MINIMUM OF INTERFERENCE. ALL ELECTRICAL WORK SHALL BE COMPLETED PRIOR TO SERVICES (FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS) SHALL BE INSTALLED IN ONE AREA OF PHASE OF CONSTRUCTION DISRUPTS THE WORK OF OTHERS. THE WORK OF THE CONTRACTOR SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE SUPERVISOR. REPAIRS TO EXISTING WORK SHALL BE COMPLETED AFTER HOURS (8:00 PM - 6:00 AM) MONDAY THROUGH FRIDAY. AFTER HOURS REPAIRS WHEN REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION PRIOR TO THE INTERUPTION.
- B. SIGNIFICANT NOISE PRODUCING WORK SHALL BE CONDUCTED AFTER HOURS. (6:00PM - 10:00PM AND 5:00AM - 7:00AM) MONDAY THROUGH FRIDAY AND WEEKENDS.
- C. REMOVE, REPLACE AND RELOCATE ANY ELECTRICAL DEVICES AND/OR ANY CONDUIT/WIRING AS REQUIRED TO COMPLETE REMODELING AS INDICATED ON THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE DRAWMING EMPTY AFTER REWIRING DEVICES TO NEW CIRCUITS.
- D. DRAWINGS INDICATE EXISTING CONDITIONS AS THEY WERE INDICATED ON OWNER PROVIDED AS-BUILT DRAWINGS AND SITE VERIFICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXIST LOCATIONS.
- E. ALL DEVICES, EQUIPMENT, CABLEING, ETC. INDICATED IN THE CONTRACT DOCUMENTS TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS.
- F. LABEL NEW ELECTRICALS AS NOTED IN SPECIFICATION SECTION 262726 PART 2.
- G. DO NOT REUSE EXISTING WIRING. PROVIDE NEW SERVICE RUNS UNLESS NOTED OTHERWISE. PROVIDE DEDICATED NEUTRALS AS REQUIRED BY THE NEC. HANDLE TIES OR MULTI-POLE BREAKERS FOR SINGLE PHASE

- 1 MODIFY EXISTING FEED FROM (#16) ATS-NC1. SEE ONE LINE FOR ADDITIONAL INFORMATION.
- 2 PROVIDE NEW 24"X18"X8" TAP BOX WITH FEEDER TAPS. SEE ONE LINE FOR ADDITIONAL INFORMATION.
- 3 SUSPEND TRANSFORMER FROM STRUCTURE.
- 4 SEE SITE PLAN FOR CONTINUATION.
- 5 SEE RACK ELEVATION FOR ADDITIONAL INFORMATION.
- 6 SEE ME SCHEDULE AND ME SCHEDULE NOTES FOR ADDITIONAL INFORMATION.
- 7 PROVIDE 30KVA UPS WITH MAINTENANCE BYPASS AND AN INTEGRATED BATTERY CABINET.
- 8 REMOVE AND DEMOLISH FIRE ALARM CONTROL PANEL. DEMOLISH EXISTING WIRE AND CONDUIT BACK TO PANEL P-1A223
- 9 DEMOLISH ABANDONED ELECTRICAL ENCLOSURE AND ASSOCIATED EMT CONDUITS.
- 10 RELOCATE FIRE ALARM CONTROL PANEL TO NEW LOCATION IN SVC-7. PROVIDE NEW WIRE CONNECTION TO PANEL C-1144-6341.



4 ELNARGED PLAN - DATA ROOM #135A  
1/2" = 1'-0"



5 ELECTRICAL ROOM #SVC-7  
1/2" = 1'-0"

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**GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR:**

GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS, WHERE VARIATIONS ARE FOUND TO OCCUR. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION; NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS AND FLOORS, AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR. THE REMOVAL OF CONCRETE FLOORS, WALLS OR STRUCTURE FOR THE INSTALLATION OF PIPING AND/OR CONDUIT BY THE SUBCONTRACTOR, REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF PIPING AND ALL UTILITIES INSTALLED BY THE VARIOUS SUBCONTRACTORS.

Drawing Title
<b>ENLARGED ELECTRICAL PLAN</b>
Approved: Division Chief
Approved: Service Director

Project No.  
VA Project #: **618-14-117**  
BWBR Project #: **3.2015217.00**


Building Number  
**68**

DRAWING NO.  
**1319-E201**

Dwg. 32 Of 37

Office of  
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Veterans Affairs



## LUMINAIRE SCHEDULE

**NAME: EP-1**

**NAME: L-1**

**NAME: P-1B LEFT**

NAME: P-1B RIGHT

GENERAL NOTES:

- A. SEE SPECIFICATIONS SECTION 265100 AND 265600 FOR ADDITIONAL LIGHT FIXTURE REQUIREMENTS
- B. ALL LIGHT FIXTURES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- C. ALL LIGHT FIXTURES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- D. ALL LUMINAIRES SHALL BE FROM THE SAME MANUFACTURER. LUMPS SHALL HAVE COLOR TEMPERATURE 4000K, WITH CRI OF 90 UNLESS OTHERWISE NOTED
- E. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- F. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- G. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- H. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- I. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- J. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- K. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- L. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- M. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- N. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- O. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- P. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- Q. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- R. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- S. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- T. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- U. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- V. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- W. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- X. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- Y. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER
- Z. ALL LUMINAIRES SHALL BE IDENTIFIED BY THE MANUFACTURER'S CATALOG NUMBER AND THE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER


CAMERA	ROOM NAME	ROOM #	CAMERA TYPE	HOUSING TYPE	MOUNTING	NOTES
FIRST LEVEL						
1	VESTIBULE	C-8	FIXED			
2	DETENTION	143	DOME		CEILING	
3	INTERVIEW	144	FIXED		CEILING	
4	INTERVIEW	144	FIXED		CEILING	
5	DATA	135A	FIXED		CEILING	

GENERAL  
NOTES:

B	W	B	R
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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR  
REPORT WAS PREPARED BY ME OR UNDER MY DIRECT  
SUPERVISION AND THAT I AM A DULY LICENSED  
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE  
STATE OF MINNESOTA.



CURTIS D. BARLAGE, P.E.

Drawing Scale  
AS NOTED

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Plot Scale

## ELECTRICAL SCHEDULES

Approved: Division Chief

Approved: Service Director

Project Title

## Relocate Police Operations Center

Location	V.A. MEDICAL CENTER ONE VETERANS DRIVE MINNEAPOLIS, MN 55
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Date \_\_\_\_\_

ate Police

ENTER  
PAGE

☐ Checked

Project No.  
VA Project #: **618-14-117**  
BWBR Project #: **3.2015217.00**

Building Number

DRAWING NO.

1319-E30

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