

# BUILDING 10 - EHRM INFRASTRUCTURE UPGRADES

## St. Cloud VA Health Care System Main Campus, St. Cloud, Minnesota

### OWNER AND CONSULTANTS:

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ADDRESS: ST CLOUD VA MEDICAL CENTER  
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PROGRAM MANAGER:  
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ST. CLOUD, MN 56303  
PHONE: 504-250-2699  
EMAIL: Jonathan.West@vcaint.com

CIVIL ENGINEER:  
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PLYMOUTH, MN 55441

CONTACT: IAN WEBER  
PHONE: 763-412-4000

ARCHITECT:  
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PLYMOUTH, MN 55441

CONTACT: EDWARD MARKFORT  
PHONE: 763-412-4000

STRUCTURAL ENGINEER:  
NAME: ADVANCED STRUCTURAL TECHNOLOGIES  
ADDRESS: 7301 OHMS LANE, SUITE 215  
EDINA, MN 55439

CONTACT: ZACHARY CRAIG  
PHONE: 952-854-9302

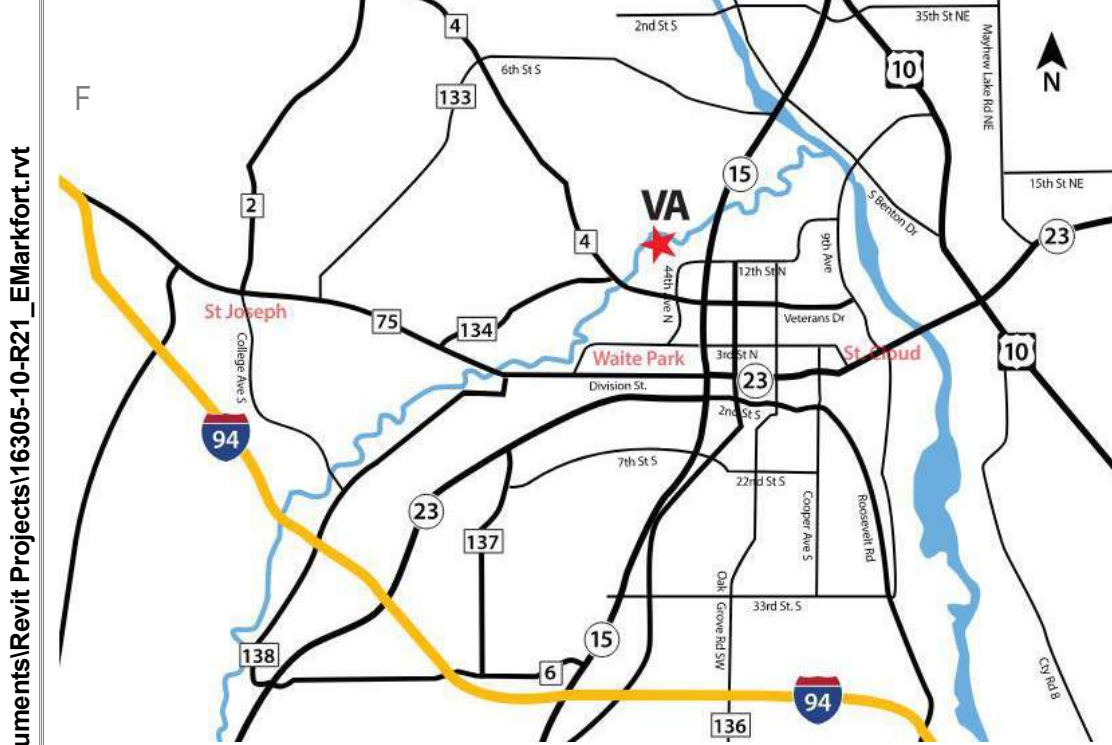
TELECOMMUNICATIONS ENGINEER:  
NAME: SPECIALIZED ENGINEERING SOLUTIONS  
ADDRESS: 10360 ELLISON CIRCLE  
OMAHA, NE 68134

CONTACT: KRIS BURNHAM  
PHONE: 402-991-5520

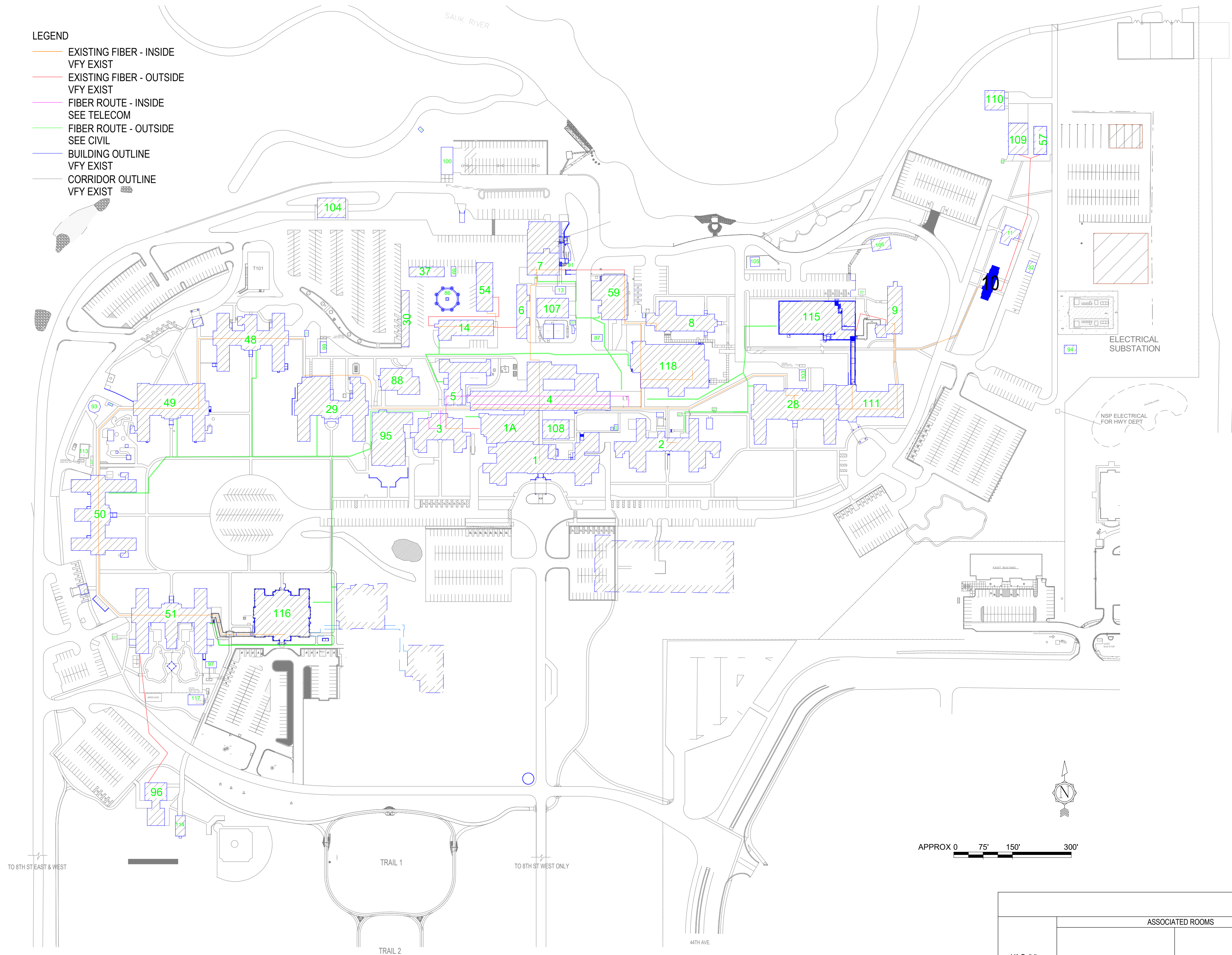
MECHANICAL/PLUMBING ENGINEER:  
NAME: SPECIALIZED ENGINEERING SOLUTIONS  
ADDRESS: 10360 ELLISON CIRCLE  
OMAHA, NE 68134

CONTACT: KRIS BURNHAM  
PHONE: 402-991-5520

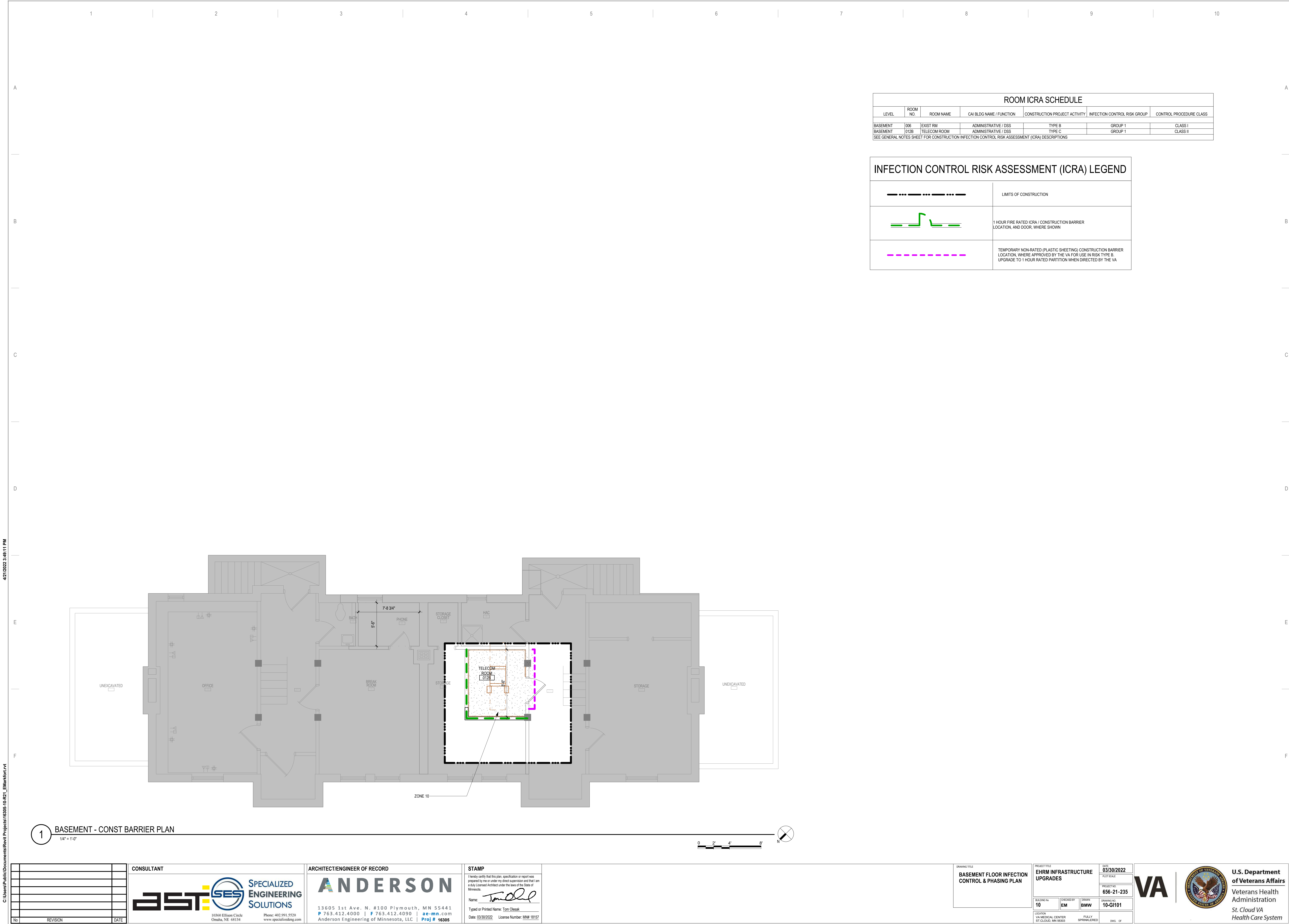
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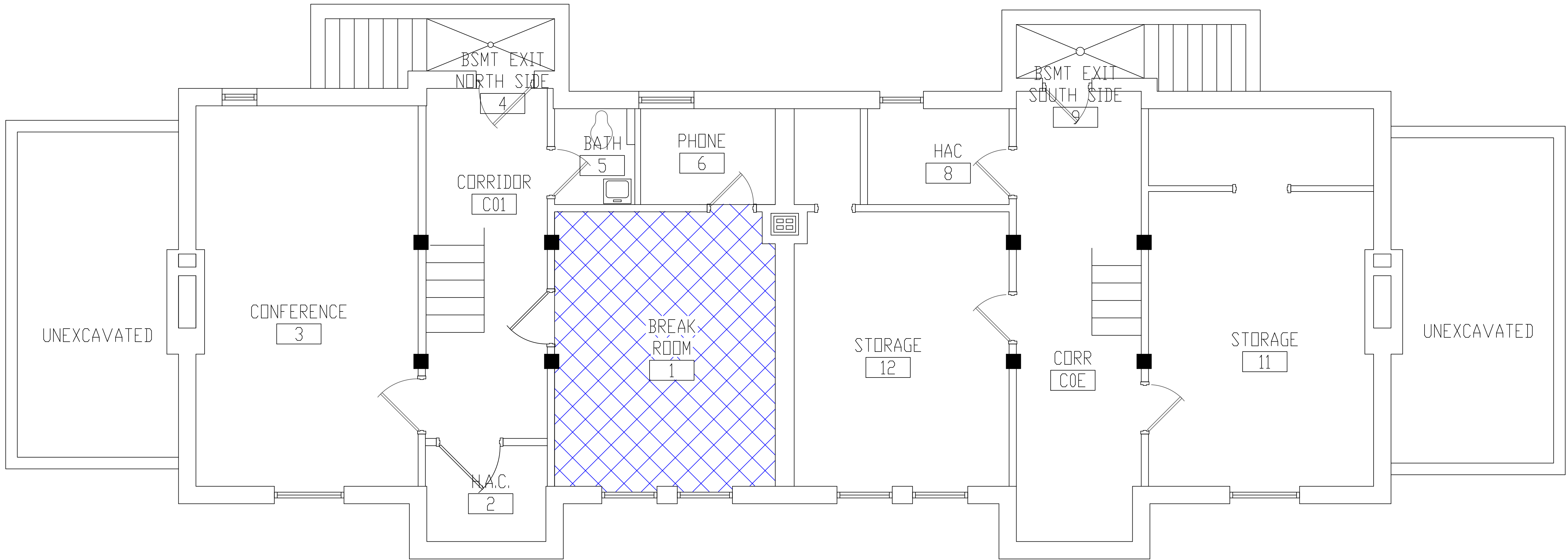


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VFY EXIST  
EXISTING FIBER - OUTSIDE  
VFY EXIST  
FIBER ROUTE - INSIDE  
SEE TELECOM  
FIBER ROUTE - OUTSIDE  
SEE CIVIL  
BUILDING OUTLINE  
VFY EXIST  
CORRIDOR OUTLINE  
VFY EXIST





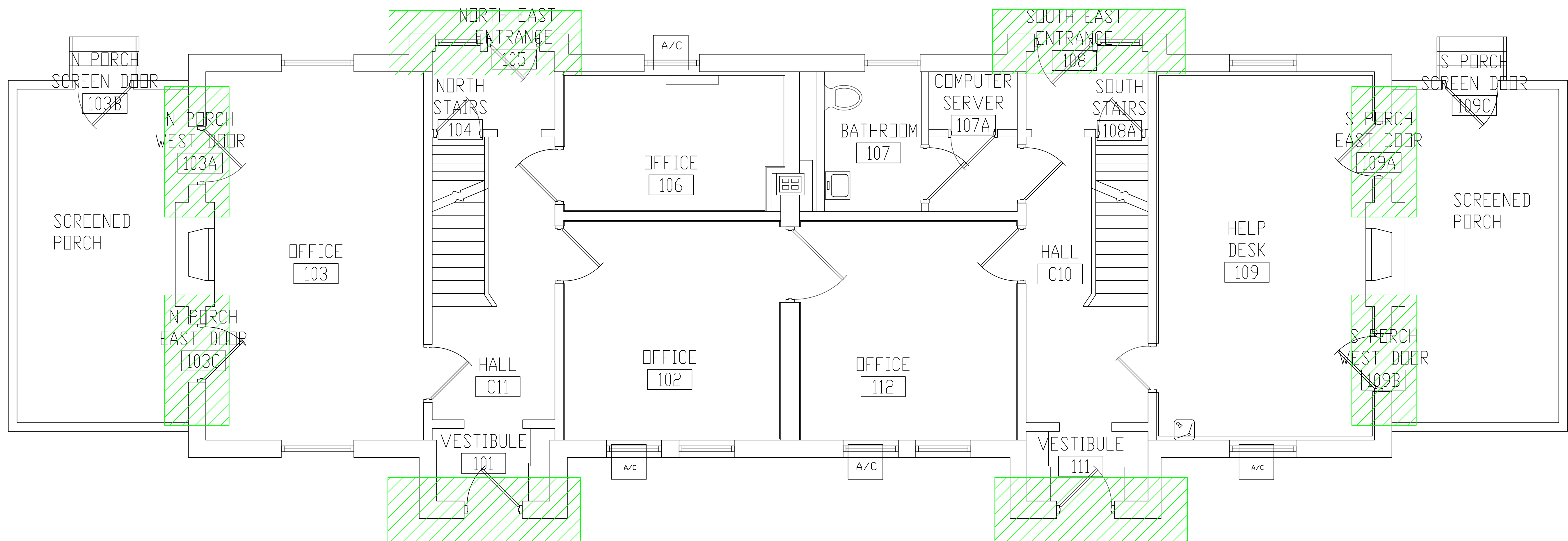




**BUILDING #10 - BASEMENT FLOOR PLAN**

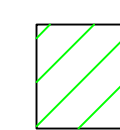
**LEGEND**  
-ASBESTOS-CONTAINING FLOOR TILE AND MASTIC

Revisions	Dates	ENVIRONMENTAL CONSULTANT: <b>CASTLE HILL ASSOCIATES, LLC.</b> 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212		Professional Seal: 	North: 	Drawing Title <b>ARCHITECTURAL PLAN BUILDING 10 Scale: 1/4" = 1'-0"</b>	Project Title <b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>	Date <b>NOVEMBER 2019</b>		Department of Veterans Affairs			
						Approved : Division Chief	Building Number <b>010</b>	Checked <b>BLB</b>			Drawn <b>AFS</b>	Project No. <b>36C26319P1003</b>	Drawing No. <b>1A</b>
						Approved : Service Director	Location <b>ST. CLOUD, MINNESOTA</b>				Sheet 27 of 71		



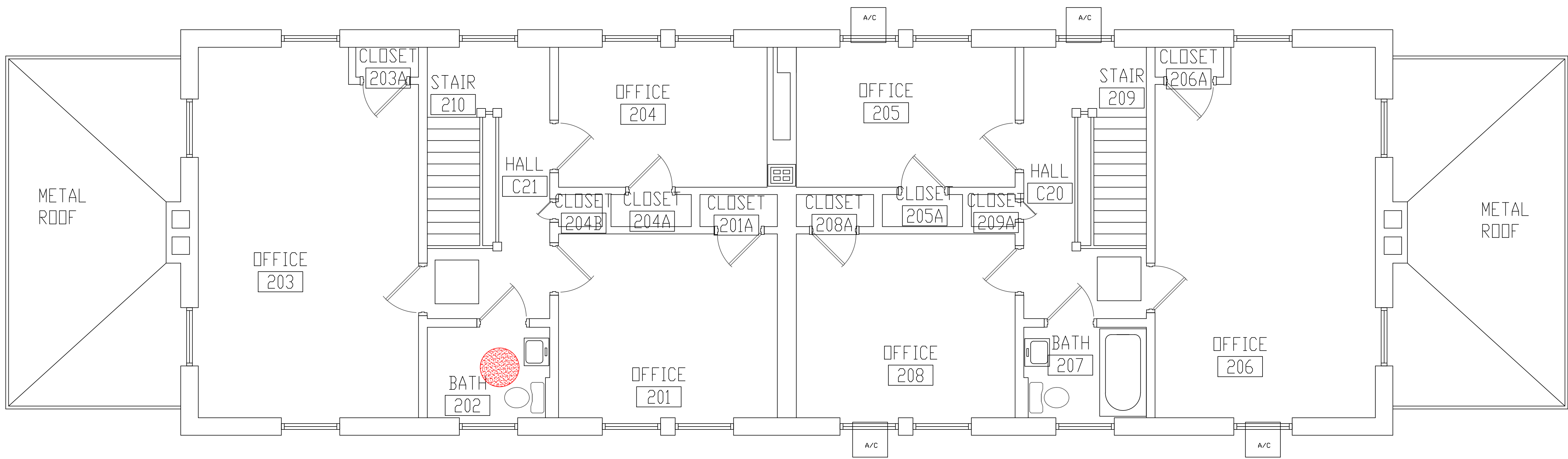
**BUILDING #10 - FIRST FLOOR PLAN**

**LEGEND**

 -ASBESTOS-CONTAINING DOOR CAULK

<div>Revisions</div> <div>Dates</div>	<div>ENVIRONMENTAL CONSULTANT: <b>CASTLE HILL ASSOCIATES, LLC.</b> 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212</div>	<div> <b>CASTLE HILL</b> ASSOCIATES</div>	<div>Professional Seal: </div>	<div>North: </div>	<div>Drawing Title <b>ARCHITECTURAL PLAN BUILDING 10 Scale: 1/4" = 1'-0"</b></div> <div>Approved : Division Chief</div> <div>Approved : Service Director</div>	<div>Project Title <b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b></div> <div>Building Number <b>010</b></div> <div>Location <b>ST. CLOUD, MINNESOTA</b></div>	<div>Checked <b>BLB</b></div> <div>Drawn <b>AFS</b></div>	<div>Date <b>NOVEMBER 2019</b></div> <div>Project No. <b>36C26319P1003</b></div> <div>Drawing No. <b>2A</b></div> <div>Sheet 28 of 71</div>	<div> <b>Office of Facilities</b></div> <div> Department of Veterans Affairs</div>



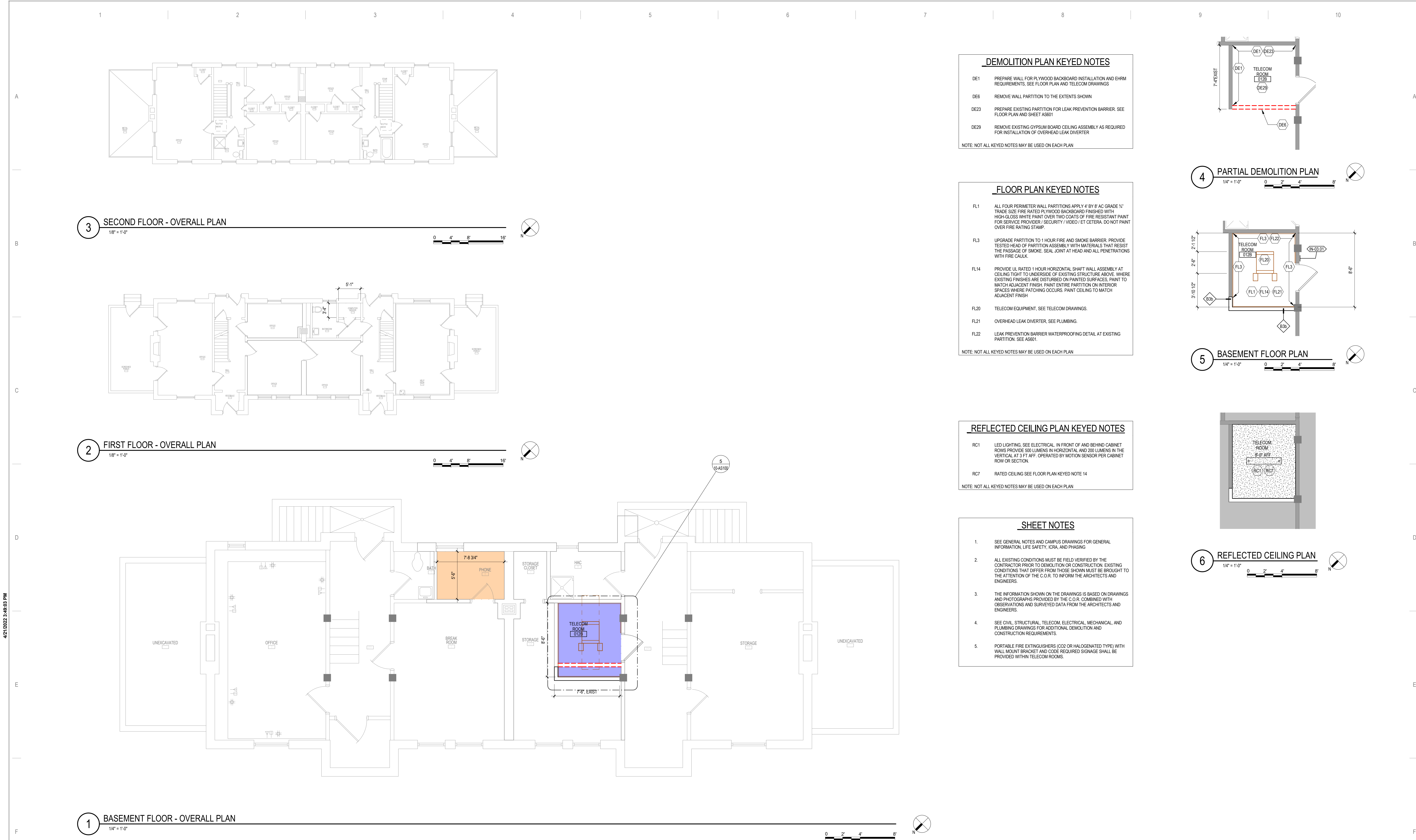


BUILDING #10 - SECOND FLOOR PLAN

LEGEND

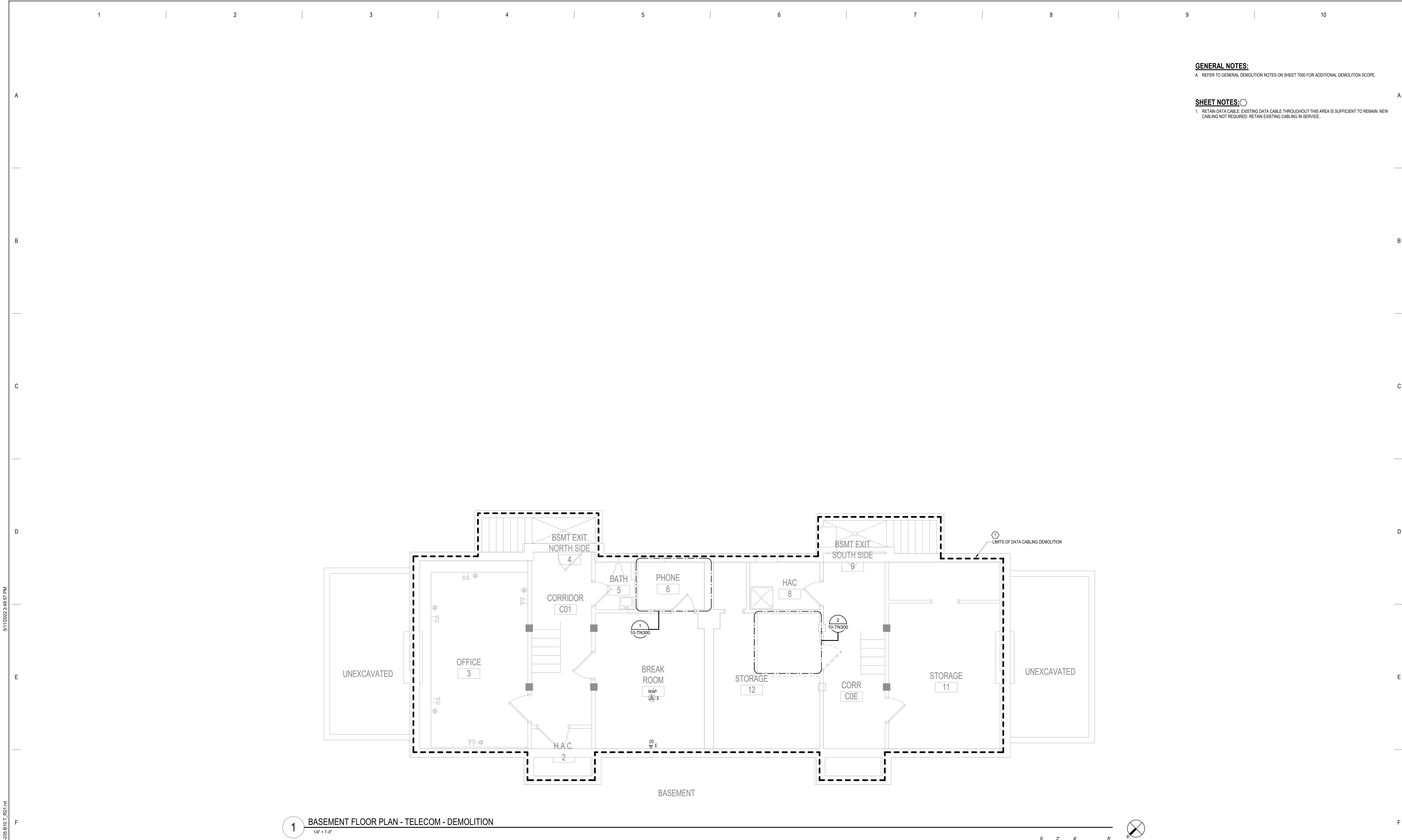
 -ASBESTOS-CONTAINING LIGHT FIXTURE LINER

<div>Revisions</div> <div>Dates</div>		<div>ENVIRONMENTAL CONSULTANT: <b>CASTLE HILL ASSOCIATES, LLC.</b> 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212</div>	<div></div>	<div>Professional Seal: </div>	<div>North: </div>	<div>Drawing Title <b>ARCHITECTURAL PLAN BUILDING 10 Scale: 1/4" = 1'-0"</b></div> <div>Approved : Division Chief</div> <div>Approved : Service Director</div>	<div>Project Title <b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b></div> <div>Building Number <b>010</b></div> <div>Location <b>ST. CLOUD, MINNESOTA</b></div>	<div>Checked <b>BLB</b></div> <div>Drawn <b>AFS</b></div>	<div>Date <b>NOVEMBER 2019</b></div> <div>Project No. <b>36C26319P1003</b></div> <div>Drawing No. <b>3A</b></div> <div>Sheet 29 of 71</div>	<div></div> <div>Department of Veterans Affairs</div>
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BICSID ID # 346555  
EXPIRES 12-31-24  
Nathan M. Timm

DRAWING TITLE

BASEMENT FLOOR PLANS -  
TELECOM - DEMOLITION

PROJECT TITLE		EHRM INFRASTRUCTURE UPGRADES		DATE	03/30/2022
BUILDING No		10		CHECKED BY	KSB
DRAWN		SSK		DRAWING NO.	10-TD100
LOCATION		VA MEDICAL CENTER ST. CLOUD, MN 56303		FULLY SPRINKLERED	DWG. OF



VA



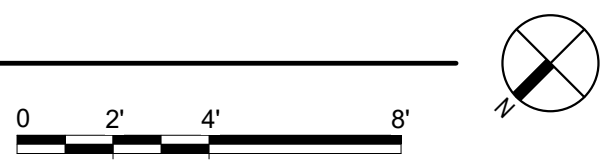
U.S. Department  
of Veterans Affairs  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System



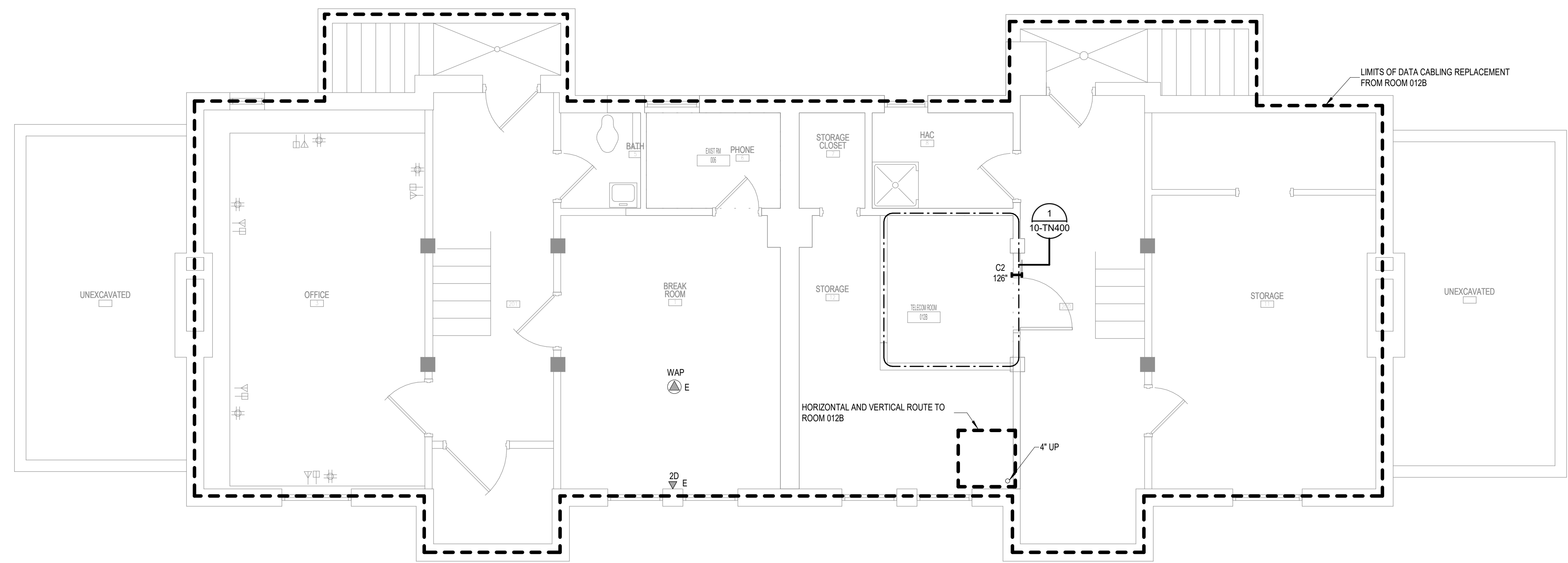


**VA** |  **U.S. Department  
of Veterans Affairs**  
Veterans Health  
Administration  
*St. Cloud VA  
Health Care System*

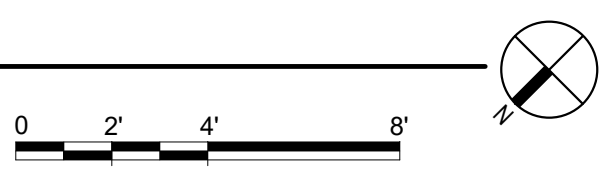




**VA** |  **U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA  
Health Care System



1 BASEMENT FLOOR PLAN - TELECOMMUNICATIONS  
1/4" = 1'-0"



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**BASEMENT FLOOR PLANS -  
TELECOMMUNICATIONS**

PROJECT TITLE  
**EHRM INFRASTRUCTURE  
UPGRADES**

BUILDING No.	CHECKED BY	DRAWN
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10	KSB	SSK
LOCATION VA MEDICAL CENTER ST.CLOUD, MN 56303		FULLY SPRINKLER

DATE:  
**03/30/2022**

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656-21-235

10-TN100

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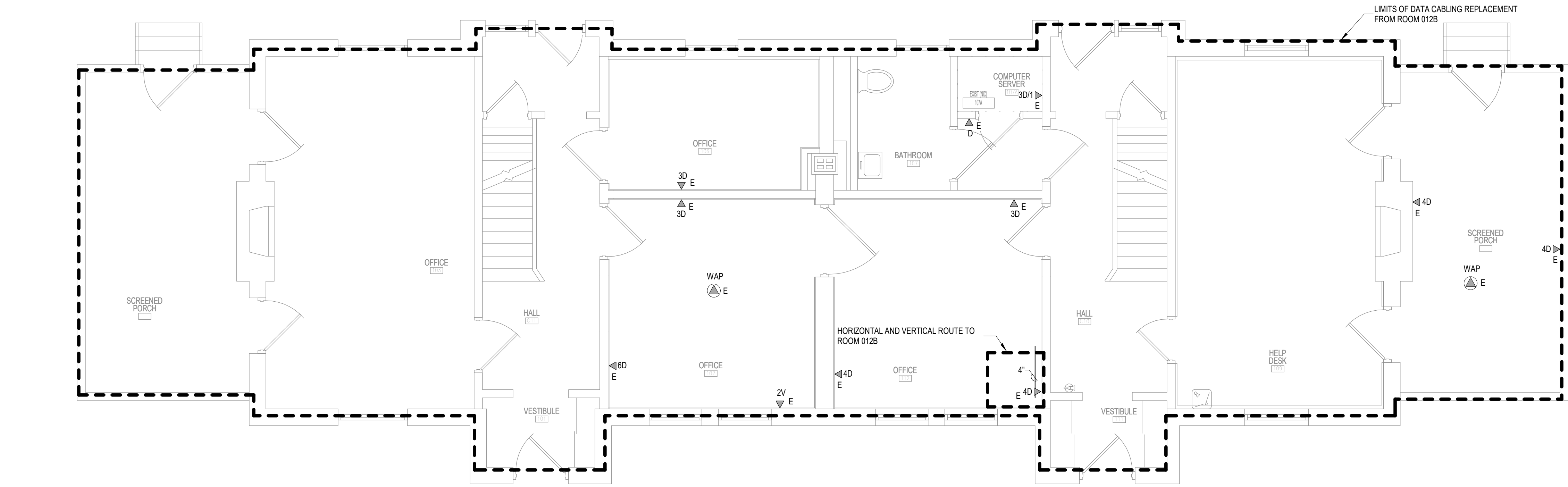
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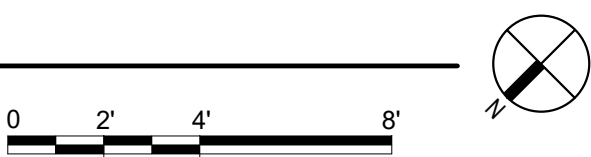
**U.S. Department  
of Veterans Affairs**  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System



**GENERAL NOTES:**  
A. REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE.



**1** FIRST FLOOR PLAN - TELECOMMUNICATIONS  
1/4" = 1'-0"



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Nathan Timm  
BICS1 ID # 346555  
Expires 12-31-24  
Nathan M. Timm

DRAWING TITLE

FIRST FLOOR PLAN -  
TELECOMMUNICATIONS

PROJECT TITLE

**EHRM INFRASTRUCTURE  
UPGRADES**

DATE  
03/30/2022

PLOT SCALE

PROJECT NO.  
656-21-235

DRAWING NO.  
10-TN110

BUILDING NO.  
10

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KSB

DRAWN  
SSK

LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

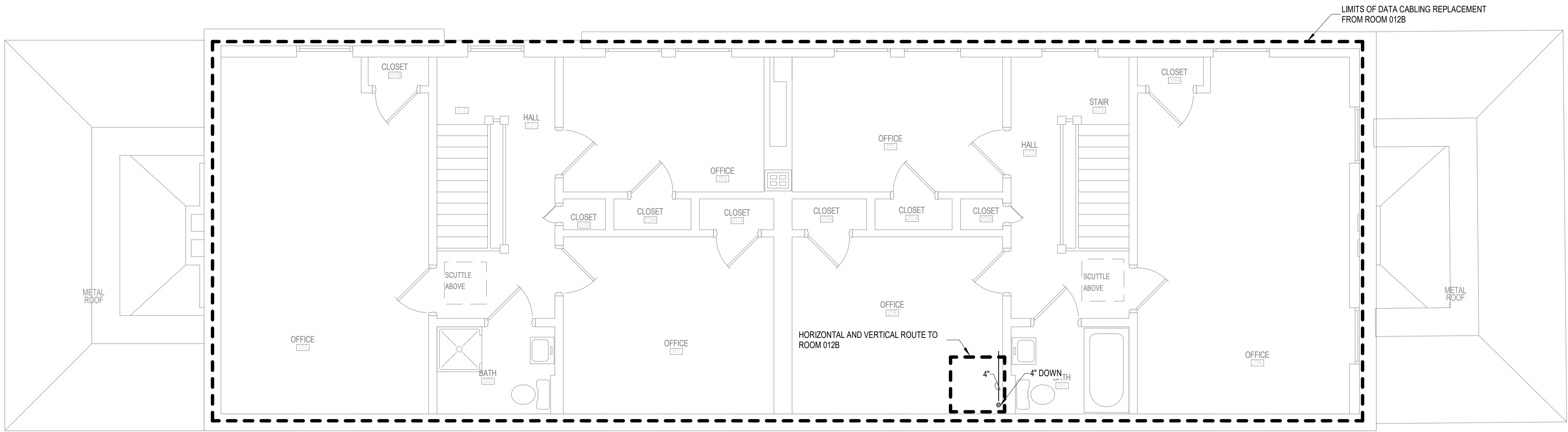
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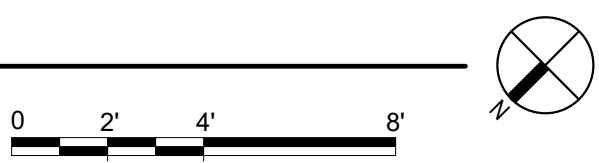


**U.S. Department  
of Veterans Affairs**  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System

**GENERAL NOTES:**  
A. REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE.



**1 SECOND FLOOR PLAN - TELECOMMUNICATIONS**  
1/4" = 1'-0"



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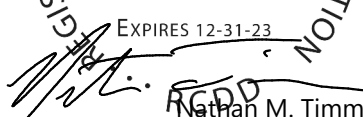
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BICS1 ID # 346555  
EXPIRES 12-31-24



DRAWING TITLE

**SECOND FLOOR PLAN -  
TELECOMMUNICATIONS**

PROJECT TITLE  
**EHRM INFRASTRUCTURE  
UPGRADES**

BUILDING No  
**10**

CHECKED BY  
**KSB**

DRAWN  
**SSK**

DATE  
**03/30/2022**

PLOT SCALE



PROJECT NO  
**656-21-235**

LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

FULLY  
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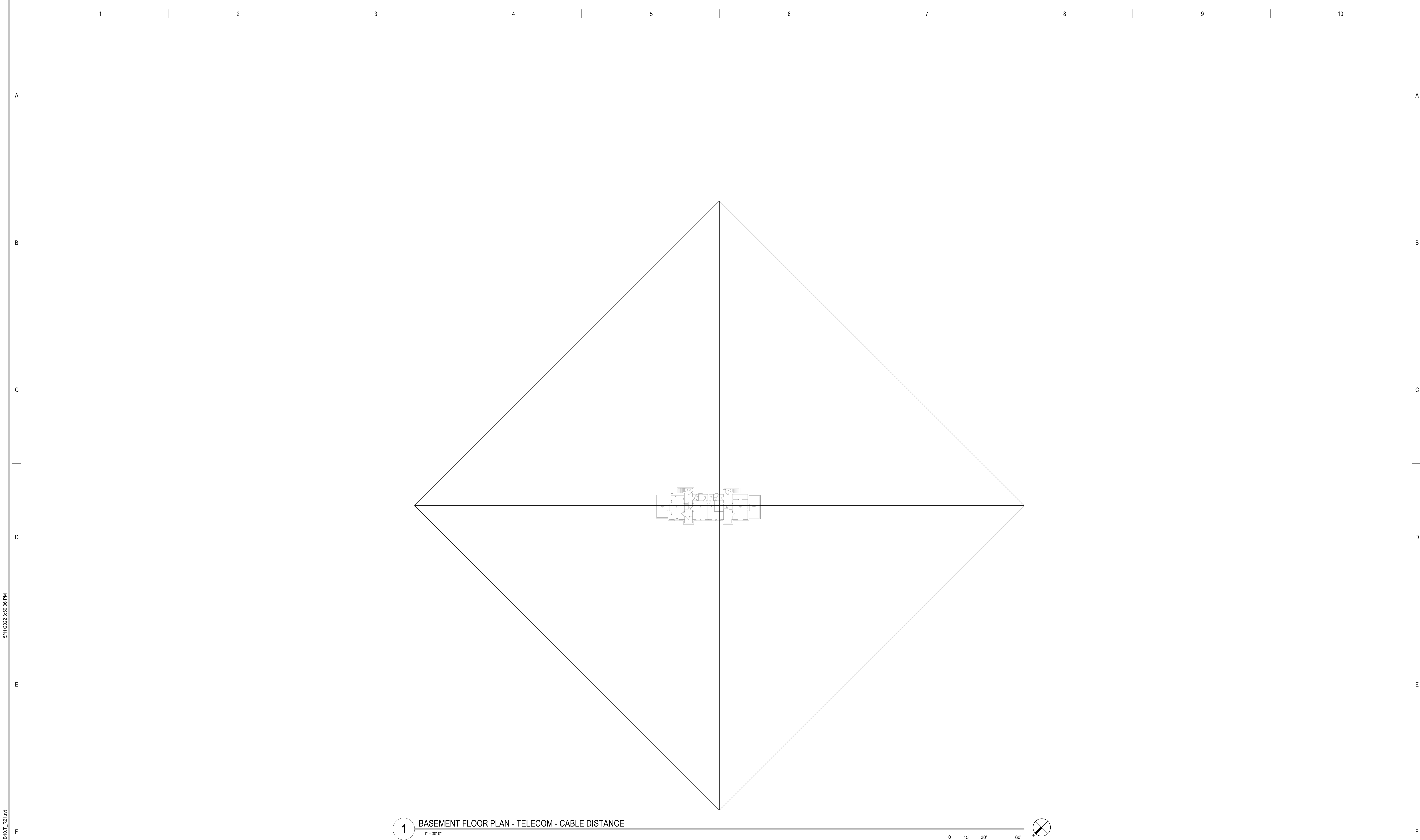
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of Veterans Affairs**  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System





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BICS ID # 346555

EXPIRES 12-31-24

Nathan M. Timm

DRAWING TITLE

BASEMENT FLOOR PLAN -  
TELECOM - CABLE DISTANCE

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

BUILDING NO  
10

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KSB

DRAWN  
SSK

DATE  
03/30/2022

PLOT SCALE

PROJECT NO  
656-21-235

DRAWING NO  
10-TN200

LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

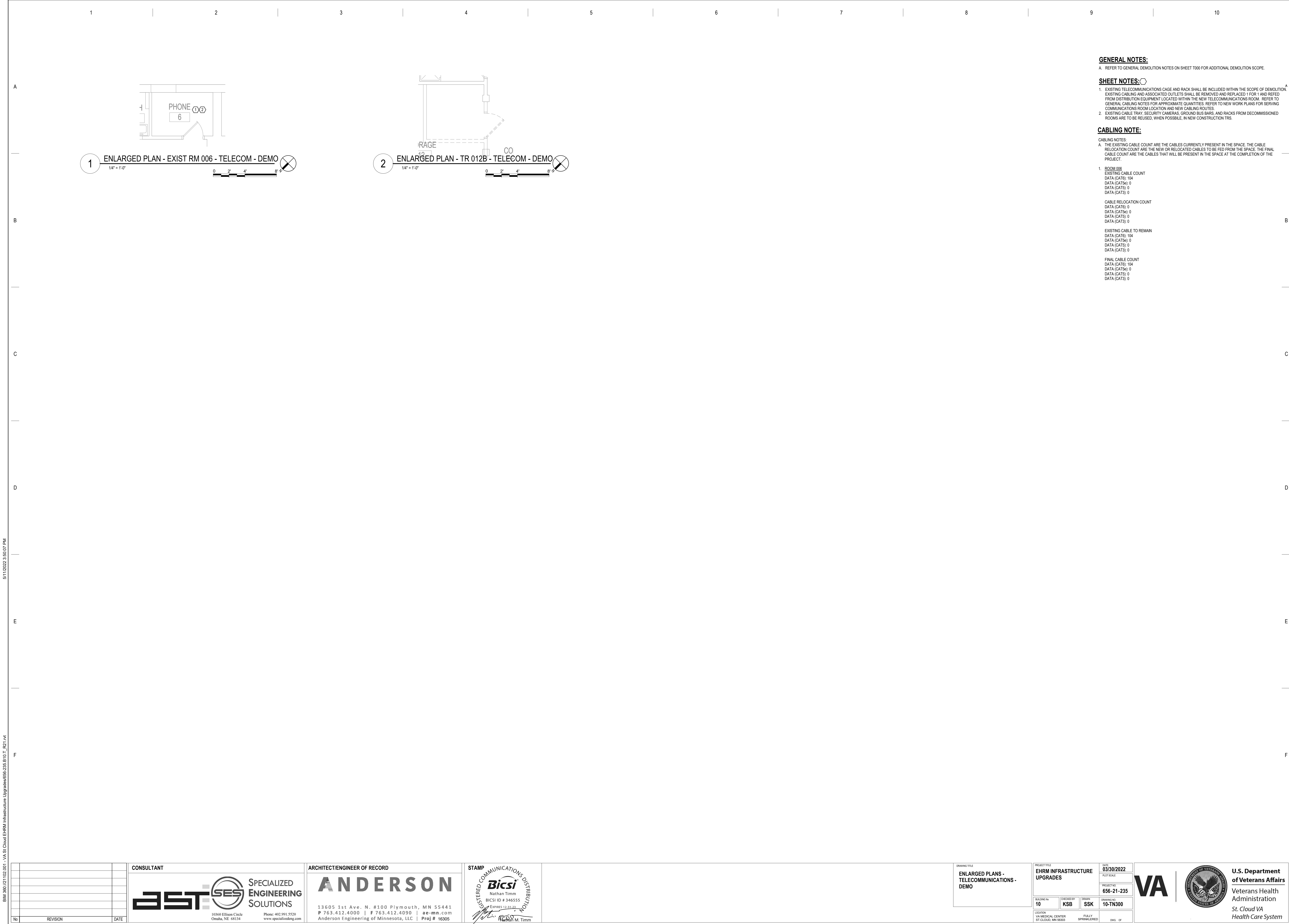
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VA

U.S. Department  
of Veterans Affairs

Veterans Health  
Administration  
St. Cloud VA  
Health Care System



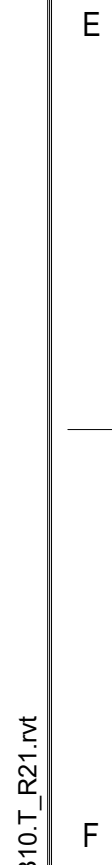
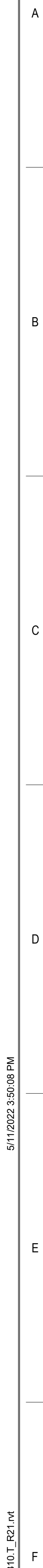
**GENERAL NOTES:**  
A. REFER TO GENERAL DEMOLITION NOTES ON SHEET 1000 FOR ADDITIONAL DEMOLITION SCOPE.

**SHEET NOTES:**  
1. EXISTING TELECOMMUNICATIONS CAGE AND RACK SHALL BE INCLUDED WITHIN THE SCOPE OF DEMOLITION. EXISTING CABLING AND ASSOCIATED OUTLETS SHALL BE REMOVED AND REPLACED 1 FOR 1 AND REPEATED FROM DISTRIBUTION EQUIPMENT LOCATED WITHIN THE NEW TELECOMMUNICATIONS ROOM. REFER TO GENERAL CABLING NOTES FOR APPROXIMATE QUANTITIES. REFER TO NEW WORK PLANS FOR SERVING COMMUNICATIONS ROOM LOCATION AND NEW CABLING ROUTES.  
2. EXISTING CABLE TRAY, SECURITY CAMERAS, GROUND BUS BARS, AND RACKS FROM DECOMMISSIONED ROOMS ARE TO BE REUSED, WHEN POSSIBLE, IN NEW CONSTRUCTION TRS.

**CABLING NOTE:**  
CABLING NOTES:  
A. THE EXISTING CABLE COUNT ARE THE CABLES CURRENTLY PRESENT IN THE SPACE. THE CABLE RELOCATION COUNT ARE THE NEW OR RELOCATED CABLES TO BE FED FROM THE SPACE. THE FINAL CABLE COUNT ARE THE CABLES THAT WILL BE PRESENT IN THE SPACE AT THE COMPLETION OF THE PROJECT.

1. ROOM 006  
EXISTING CABLE COUNT  
DATA (CAT6): 104  
DATA (CAT56): 0  
DATA (CAT3): 0  
DATA (CAT3): 0  
CABLE RELOCATION COUNT  
DATA (CAT6): 0  
DATA (CAT56): 0  
DATA (CAT3): 0  
DATA (CAT3): 0  
EXISTING CABLE TO REMAIN  
DATA (CAT6): 104  
DATA (CAT56): 0  
DATA (CAT3): 0  
DATA (CAT3): 0  
FINAL CABLE COUNT  
DATA (CAT6): 104  
DATA (CAT56): 0  
DATA (CAT3): 0  
DATA (CAT3): 0





10. T. 7

Upgrades:



REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE.

CABLING NOTES:  
A. THE EXISTING CABLE COUNT ARE THE CABLES CURRENTLY PRESENT IN THE SPACE.  
THE CABLE RELOCATION COUNT ARE THE NEW OR RELOCATED CABLES TO BE FED  
FROM THE SPACE. THE FINAL CABLE COUNT ARE THE CABLES THAT WILL BE  
PRESENT IN THE SPACE AT THE COMPLETION OF THE PROJECT.

- ```

1. ROOM 012B
EXISTING CABLE COUNT
DATA (CAT6): 104
DATA (CAT5e): 0
DATA (CAT5): 0
DATA (CAT3): 0

CABLE RELOCATION COUNT
DATA (CAT6): 0
DATA (CAT5e): 0
DATA (CAT5): 0
DATA (CAT3): 0

EXISTING CABLE TO REMAIN
DATA (CAT6): 104
DATA (CAT5e): 0
DATA (CAT5): 0
DATA (CAT3): 0

FINAL CABLE COUNT
DATA (CAT6): 104
DATA (CAT6): 104

```

**CONSULTANT**

**AST**  **SPECIALIZED ENGINEERING SOLUTIONS**

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Omaha, NE 68134

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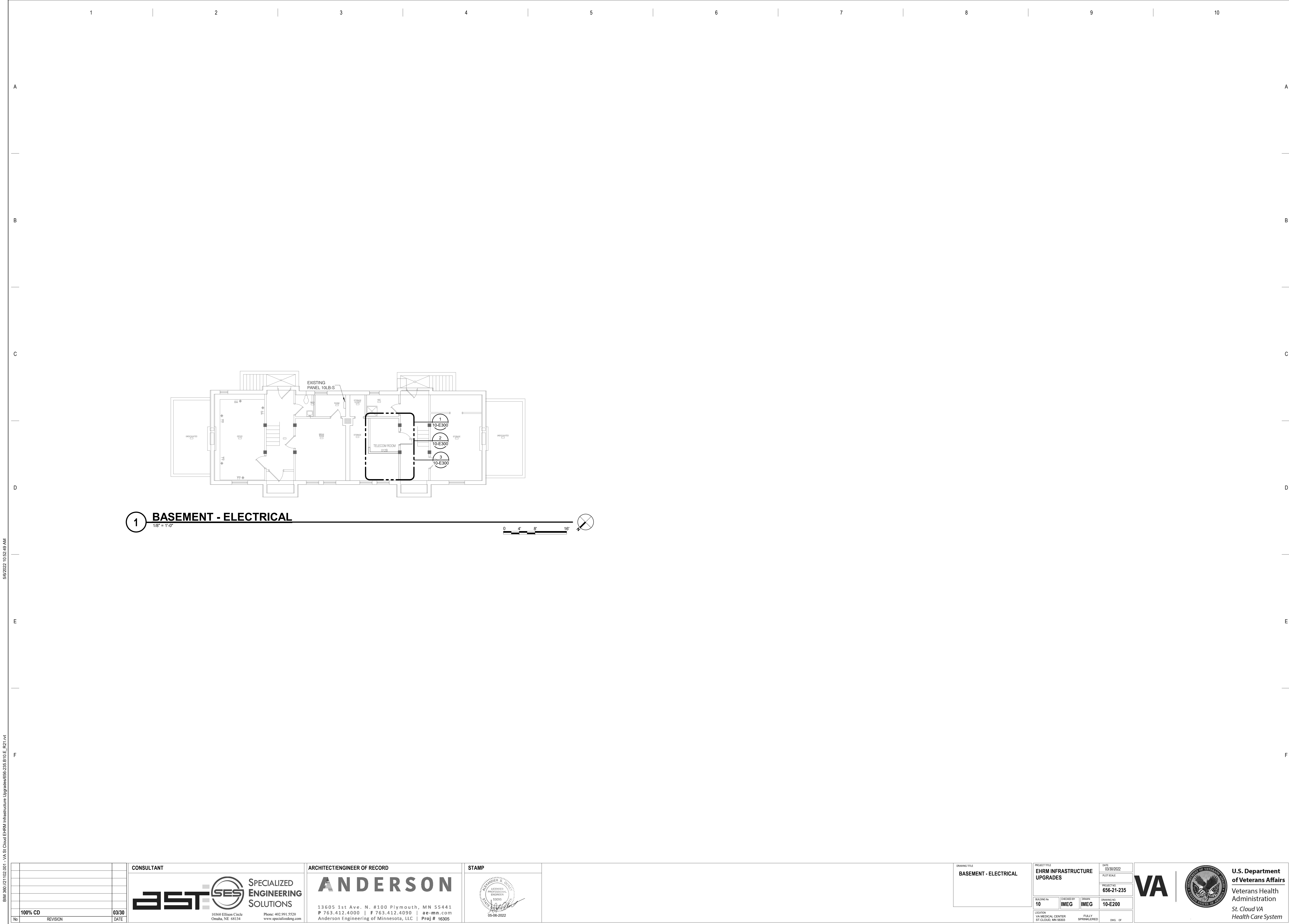
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**Bicsi**  
Nathan Timm  
BICSI ID # 346555  
EXPIRES 12-31-23

*[Signature]*  
Nathan M. Timm

|                                         |            |                   |                 |
|-----------------------------------------|------------|-------------------|-----------------|
| PROJECT TITLE                           |            | DATE              |                 |
| <b>EHRM INFRASTRUCTURE<br/>UPGRADES</b> |            | <b>03/30/2022</b> |                 |
|                                         |            | PLOT SCALE        |                 |
|                                         |            | PROJECT NO.       |                 |
|                                         |            | <b>656-21-235</b> |                 |
| BUILDING NO                             | CHECKED BY | DRAWN             | DRAWING NO      |
| <b>10</b>                               | <b>KSB</b> | <b>SSK</b>        | <b>10-TN400</b> |
| LOCATION                                |            | FULLY             |                 |
| VA MEDICAL CENTER                       |            | SPRINKLERED       |                 |
| ST. CLOUD, MN 56303                     |            | DWG. OF           |                 |










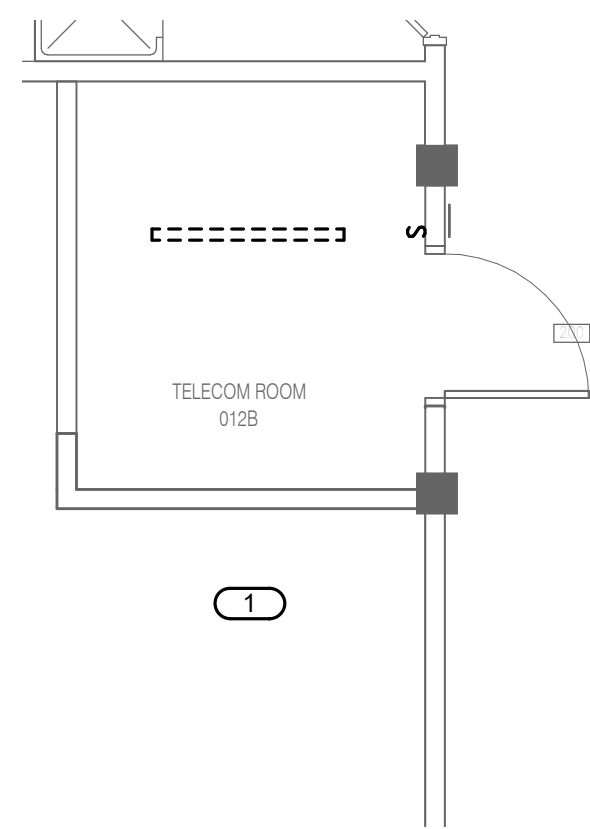
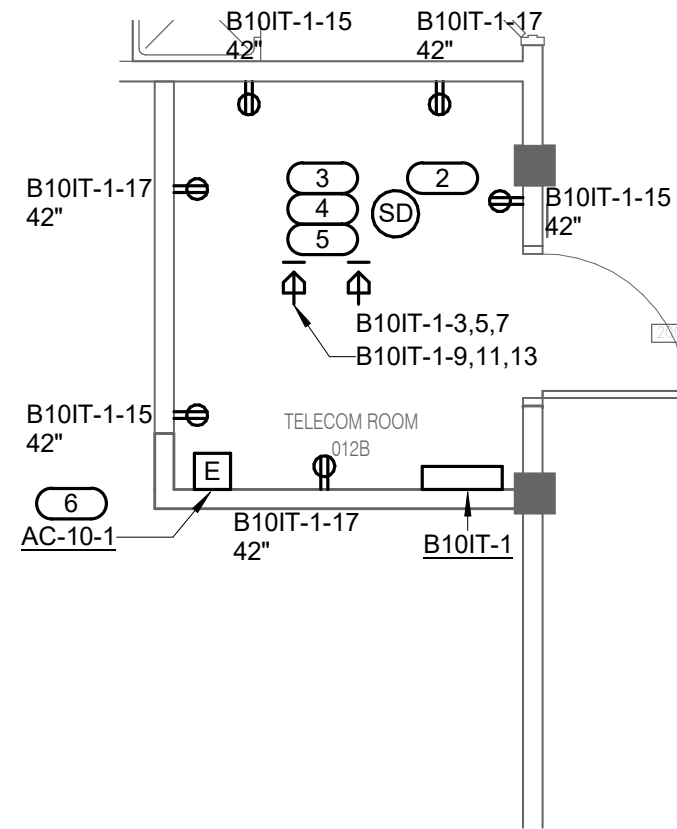
STAMP



A circular professional engineer seal for Alexander S. Chast, State of Maryland. The seal contains the text: ALEXANDER S. CHAST, LICENSED PROFESSIONAL ENGINEER, 53095, and the date 05-06-2022. A signature is written across the seal.

|                                                     |                    |                                     |                        |
|-----------------------------------------------------|--------------------|-------------------------------------|------------------------|
| PROJECT TITLE                                       |                    | DATE:                               |                        |
| EHRM INFRASTRUCTURE<br>UPGRADES                     |                    | 03/30/2022                          |                        |
|                                                     |                    | PLOT SCALE                          |                        |
|                                                     |                    | PROJECT NO:<br>656-21-235           |                        |
| BUILDING No<br>10                                   | CHECKED BY<br>IMEG | DRAWN<br>IMEG                       | DRAWING NO.<br>10-E201 |
| LOCATION<br>VA MEDICAL CENTER<br>ST.CLOUD, MN 56303 |                    | FULLY<br>SPRINKLERED<br><br>DWG. OF |                        |





1. REFER TO TECHNOLOGY PLANS IT ROOM LAYOUT AND RACK LAYOUT/DETAILS.
2. REFER TO SHEET 0-GE400 DETAIL LAYOUT & ONE-LINE OF RACK.

1. MAINTAIN CIRCUIT CONTINUITY TO REMAINING DEVICES IN ROOM.
2. CONNECT SMOKE DETECTOR TO NEAREST EXISTING SLC.
3. COORDINATE FINAL LOCATION OF RECEPTACLE L21-20R WITH TELECOM CONTRACTOR. PROVIDE 3/4"X#12, #12 GND TO PANEL FOR EACH RECEPTACLE.
4. PROVIDE EATON BLADEUPS, 5KW, 120/208V, 3-PHASE, 4-WIRE RACK MOUNTED UPS FOR EACH RACK TOWER.
5. PROVIDE APC/AP8681 RPDU RACK PDU 2G WITH L21-20P CORD, (120/208V, 3-PHASE, 20A, ZERO U, 5.7 KW, 136) (C13) (C19) (2-50R) OUTLETS. PROVIDE TWO PER RACK, MOUNTED PER MANUFACTURER'S REQUIREMENTS.
6. COORDINATE TIE IN POWER BY OUTDOOR UNIT. COORDINATE EXACT LOCATION WITH M.C.

**3 BASEMENT - ELECTRICAL - DEMOLITION - TR 012B**

[illegible]

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DRAWING TITLE

**ELECTRICAL ENLARGED  
PLANS**

|               |                              |
|---------------|------------------------------|
| PROJECT TITLE | EHRM INFRASTRUCTURE UPGRADES |
|---------------|------------------------------|

|             |            |       |
|-------------|------------|-------|
| BUILDING No | CHECKED BY | DRAWN |
|-------------|------------|-------|

|                                                     |      |                    |
|-----------------------------------------------------|------|--------------------|
| 10                                                  | IMEG | IMEG               |
| LOCATION<br>VA MEDICAL CENTER<br>ST.CLOUD, MN 56303 |      | FULLY<br>SPRINKLER |

DATE: 03/30/2022

PROJECT NO.  
**656-21-235**

|         |         |
|---------|---------|
| 10-E300 |         |
| D       | DWG. OF |

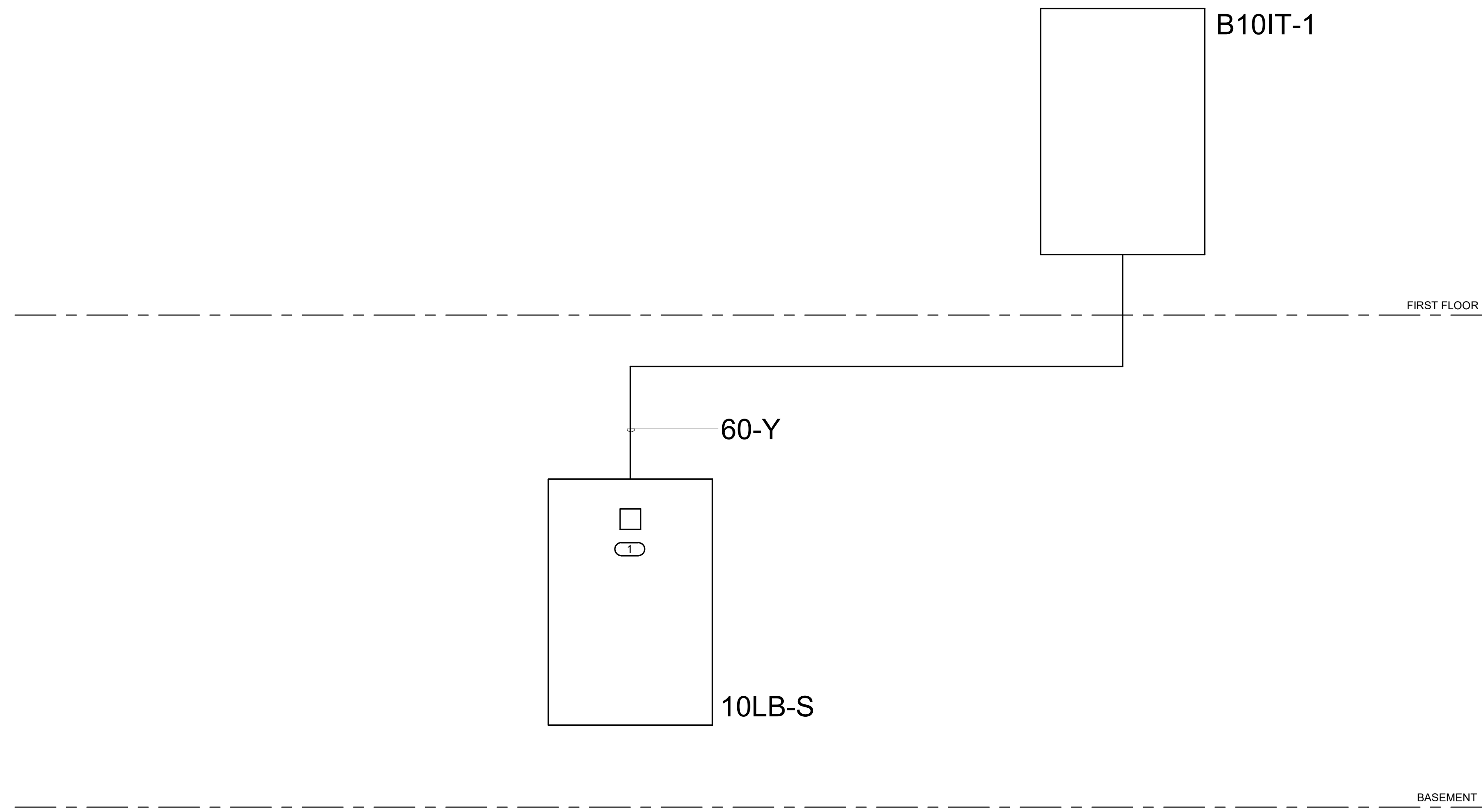


**U.S. Department  
of Veterans Affairs**  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System

F

E

F



## 1 PARTIAL POWER RISER

[illegible]



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**STAMP**

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 Engineer under the laws of the State of Minnesota.

Name: *[Signature]*  
Date: 08-06-2022  
License Number: 0791 • 03095

DRAWING TITLE

**ELECTRICAL SCHEDULES**

**VA** |  **U.S. Department  
of Veterans Affairs**  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System

BIM 360://21102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235-B10.M\_R21.rvt 3/28/2022 10:49:31 PM

## FIELD VERIFICATION NOTES

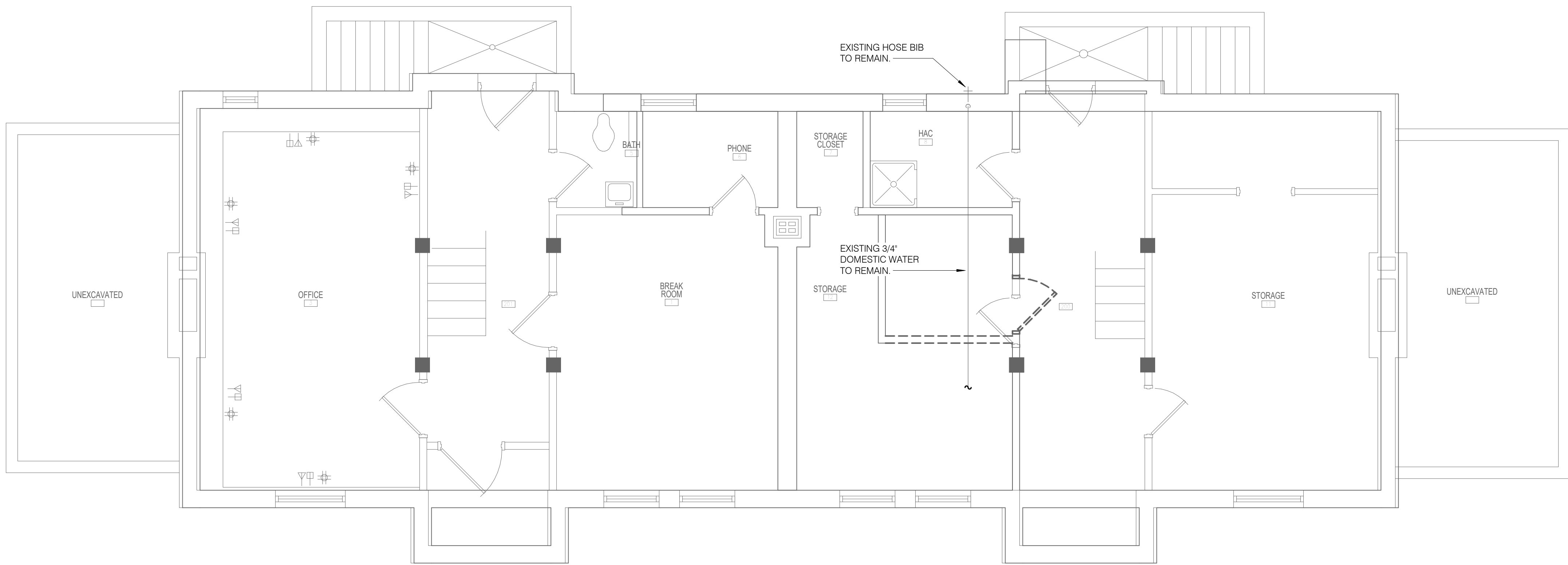
THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- THE HVAC CONTRACTOR SHOULD VISIT THE SITE PRIOR TO BID TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:
  - EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER, AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK WHETHER EXPLICITLY SHOWN OR NOT.
  - SIZE AND LOCATION OF ALL EXISTING DUCTWORK.
  - SIZE AND LOCATION OF ALL EXISTING GRILLES, REGISTERS, AND DIFFUSERS.
  - SIZE AND LOCATION OF ALL EXISTING THERMOSTATIC CONTROL AND DEVICES.
  - SIZE AND LOCATION OF ALL EXISTING PLUMBING AND HYDRONIC PIPING.
- ALL REFERENCES ON THESE DRAWINGS TO EXISTING EQUIPMENT, DUCTWORK, DIFFUSERS, THERMOSTATS AND PIPING ARE FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL THESE ITEMS PRIOR TO BID AND INCLUDE IN THEIR BID ANY AND ALL AMOUNTS REQUIRED TO ACCOMMODATE EXISTING CONDITIONS.
- NO ADDITIONAL COMPENSATION WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
- ANY DISCREPANCIES WHICH MAY AFFECT THE CONTRACTORS BID SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT FOR DIRECTION.

## MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

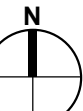
- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES AND COR PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE COR AND THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS. FINAL LOCATIONS TO BE ACCURATELY DESCRIBED IN AS-BUILTS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST, TIME OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO CONTRACT DOCUMENTS, TO INCLUDE BUT NOT LIMITED TO, THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO THE SATISFACTION OF THE COR TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE COR FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE COR OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- SEAL ALL FLOOR AND WALL PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE, BOTH NEW AND EXISTING. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES, BOTH NEW AND EXISTING. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN MINIMUM 3'-6" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTERS, SWITCHES, AND DISCONNECTS.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.
- CONTRACTOR TO COORDINATE SCHEDULE OF ANY NOISE-PRODUCING WORK SCOPE WITH COR NOT LESS THAN 10 DAYS PRIOR TO COMMENCING THIS WORK.
- ALL CARTS, EQUIPMENT, MATERIALS AND TOOLS, AS WELL AS ALL TOOL BAGS / BOXES AND LADDERS, ARE TO BE LABELED, CLEARLY IDENTIFYING, THE CONTRACTOR/ SUBCONTRACTOR NAME AND PROJECT.
- STORAGE OF TOOLS, EQUIPMENT AND MATERIALS IS ONLY AUTHORIZED IN APPROVED AREAS.



## 1 BASEMENT DEMOLITION - MECHANICAL

1/4" = 1'-0"

0 4' 8' 16'



|         |          |       |
|---------|----------|-------|
| No      | REVISION | DATE  |
| 100% CD |          | 03/30 |

CONSULTANT



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STAMP

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 Engineer under the laws of the State of Minnesota.  
Name: DOUGLAS  
Date: 03/28/2022  
License Number: MW 24706

DRAWING TITLE  
BASEMENT DEMOLITION -  
MECHANICAL

|                                                      |                        |
|------------------------------------------------------|------------------------|
| PROJECT TITLE<br>EHRM INFRASTRUCTURE<br>UPGRADES     | DATE<br>03/30/2022     |
| BUILDING NO.<br>10                                   | PLOT SCALE             |
| CHECKED BY<br>RDL                                    | DRAWN BY<br>DJC        |
| LOCATION<br>VA MEDICAL CENTER<br>ST. CLOUD, MN 56303 | FULLY<br>SPRINKLERED   |
| PROJECT NO.<br>656-21-235                            | DRAWING NO.<br>10-M100 |
|                                                      | DWG. OF                |



FIELD VERIFICATION NOTES

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. THE HVAC CONTRACTOR SHOULD VISIT THE SITE PRIOR TO BID TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:

A. EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER, AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK WHETHER EXPLICITLY SHOWN OR NOT.

B. SIZE AND LOCATION OF ALL EXISTING DUCTWORK.

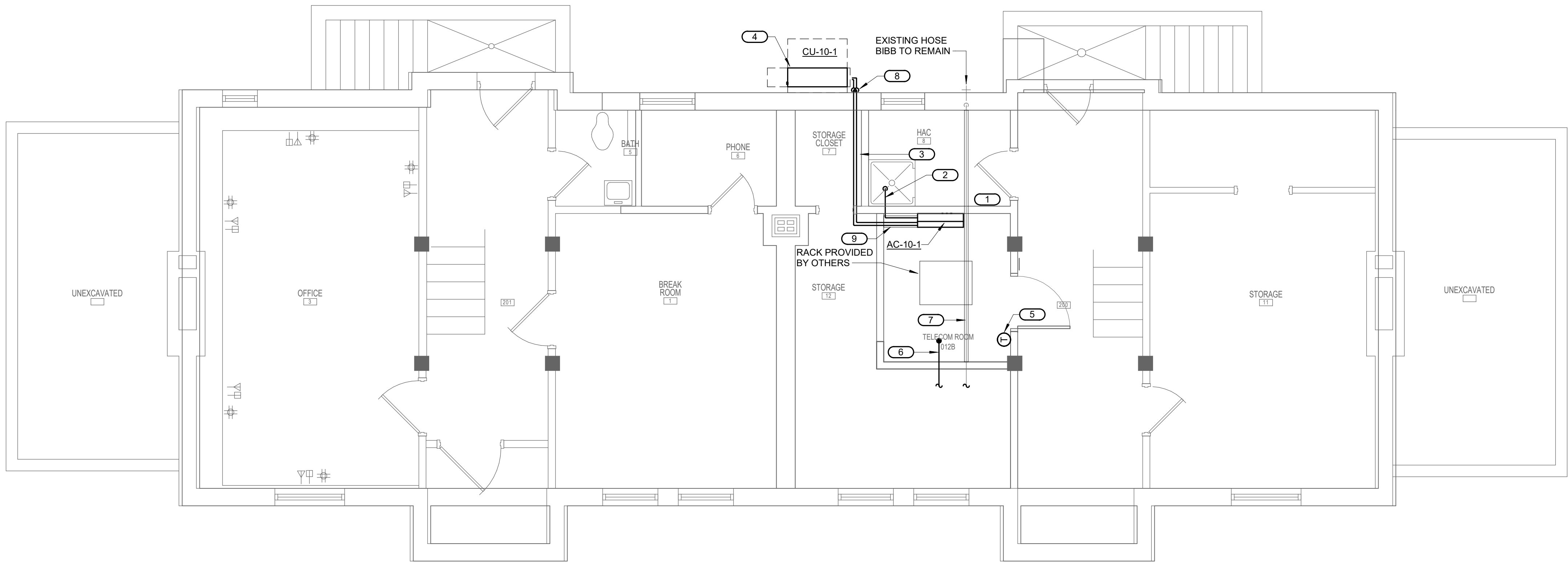
C. SIZE AND LOCATION OF ALL EXISTING GRILLES, REGISTERS, AND DIFFUSERS.

D. SIZE AND LOCATION OF ALL EXISTING THERMOSTATIC CONTROL AND DEVICES.

E. SIZE AND LOCATION OF ALL EXISTING PLUMBING AND HYDRONIC PIPING.
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KEYNOTES 1/10-M200: #

1. PROVIDE NEW WALL MOUNTED SPLIT SYSTEM AC UNIT.
2. ROUTE NEW 1" CONDENSATE LINE TO MOP SINK IN HAC 8.
3. ROUTE REFRIGERANT PIPING TO NEW AIR-COOLED CONDENSING UNIT.
4. PROVIDE NEW AIR COOLED CONDENSING UNIT ON GRADE. PROVIDE CONCRETE PAD. REFER TO REFRIGERANT PIPING DETAIL 1/0-GM400 AND PAD MOUNTING DETAIL 3/0-GM401
5. PROVIDE NEW THERMOSTAT.
6. PROVIDE NEW FIRE SPRINKLER HEAD AND EXTEND NEW BRANCH LINE TO MAIN AND MAKE CONNECTION.
7. EXISTING 3/4" DOMESTIC WATER LINE TO REMAIN. PROVIDE DRIP PAN AND WRAP PIPE. SEE DETAIL 6/0-GM400 FOR REQUIREMENTS.
8. REFER TO 1/0-GM401 FOR WALL PENETRATION SEALING DETAIL.
9. PROVIDE DRIP PAN FOR REFRIGERANT AND CONDENSATE DRAIN PIPING IN THIS LOCATION.



1 BASEMENT FLOOR - MECHANICAL

1/4" = 1'-0"

0 4' 8' 16'

N

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| No      | REVISION | DATE  |
| 100% CD |          | 03/30 |

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Anderson Engineering of Minnesota, LLC | Proj # 16305

STAM

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 Engineer under the laws of the State of Minnesota.

Name: [Signature]

Date: 03/30/2022

License Number: MN# [Stamp]

DRAWING TITLE

BASEMENT FLOOR - MECHANICAL

PROJECT FILE

EHRM  
INFRASTRUCTURE  
UPGRADES

DATE  
03/30/2022

PLOT SCALE

PROJECT NO.  
656-21-235

BUILDING NO.  
10

CHECKED BY  
RDL

DRAWN  
DJC

DRAWING NO.  
10-M200

LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

FULLY  
SPRINKLERED

DWG. OF

VA

U.S. Department  
of Veterans Affairs  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System