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JLG 13070B-5A Construct New IT Center
St Cloud VAHCS Proj. No. 656-14-246
 RE: Amendment No. 6
 December 10, 2015

Amendment No.6

Please issue the following changes to the contract documents as Amendment No. 6 for the Construct New IT Center for Healthcare Management Expansion Project at the St. Cloud, MN VAHCS (Project No. 656-14-246)

- | | | |
|-------------------------------------|-------------------------------------|--|
| To: | CC: | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Justin Lappin
St. Cloud VA |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Farel Steinberg
St. Cloud VA |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Aaron Mueller
Design Tree Engineering |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | file
JLG Architects |

Sheet #	Sheet Name	Description of Change
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GENERAL:

- Throughout Document Set: Room 109 shall be referred to as 'Tool Room' in lieu of Work Room as currently Designated.
- Throughout Document Set: Room 003 Demark, should be referred to as 003 Demarc throughout the set.
- Deduct Alternates: Spec section Statement of Bid Items 01 00 00 1.3 lists Deduct Alternate No 1, as Hot Aisle Containment System, and indicates where in documents to reference.

ARCHITECTURAL:

- A220 Note: Frame Type 1 as shown indicates to see schedule for width of frame. Frame type 1 can be for a single or pair of doors.
- A220 Add note below Door Schedule: Reference drawing T102.2 and T102.1 (issued as part of Amendment No. 6) for keypad card reader locations.
- A220 Add note below Door Schedule: "All double door access into new IT Center shall have removable mullions." (Doors 001A, 103 and 107A)
Add same note below Frame Type 1.
- A220 Door Schedule: hardware groups referenced on door schedule as "5H-3" or "5H-9" shall be changed to read "SH-3" or "SH-9" in order to align with specification groups.
- A202 Roof Plan General Notes: Replace note E with the following; "Roof details are non-proprietary in nature, roof manufacturer's to supply any additional materials for their systems as required."
- A601 Blocking referenced in details 9/A601 and 11/A601 shall not be wood, but shall be metal strapping. Also delete note on 11/A601 about wood studs.

Attachments:

- Design Tree Engineering Amendment No 6 (3 pages)
- Technology drawing sheets referenced in DTE Amendment No 6 (8 pages)



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AMENDMENT NO. 6
October 12, 2015
DTE Project #02213008

**PROJECT: Construct New IT Center for
St. Cloud VA Health Care System**

This Amendment shall be added to and become a part of the original plans and specifications. All items shall be as originally specified or drawn, unless specifically amended by this or subsequent Amendments. Receipt of this Amendment must be acknowledged on bid form.

PROJECT MANUAL CLARIFICATIONS:

1. Specification Section 271100.2.02.D.2.f. Revise the paragraph to read as follows: The Cabinet shall be equipped with PDU Lashing Bracket capable to support two 3.5"W PDUs and provide attachment points for power cable bundles. The PDU Lashing Bracket shall be attached to the cabinet frame behind the rear equipment mounting rails and adjust in depth to match equipment requirements. Per 271100.2.12, PDU shall be provided and installed by this contractor.
2. Specification Section 271313.2.07.G. Revise the paragraph to read as follows: The frame shall be installed in the new constructed building 108.
3. Specification Section 271313.2.08.G. Revise the paragraph to read as follows: The connectors shall be installed on 2500 frames in the new constructed building 108.
4. Specification Section 271313.3.01.B. Revise the paragraph to read as follows: All work being performed must be shown on the work prints or be approved by Owner, or a representative of Elert & Associates.
5. Specification Section 271500.3.01.A. 8. Revise the paragraph to read as follows: All service loops for the horizontal cabling shall be kept in the equipment cabinets/data racks or in a cable tray, and shall be managed in such a way as to minimize long term risk to the cable and visibility from below if contained within a partially open ceiling space.
6. Specification Section 271619.2.03.E. 8. Revise the paragraph to read as follows: In addition to the previous note, the contractor shall provide 300 patch cables for the Owner in the following length(s) and color(s): 3ft. & blue, 6 ft. & blue, 10ft. & blue. Supply hundred (100) of each for the total number to be delivered.

MECHANICAL ELECTRICAL CIVIL LAND SURVEYING

ELECTRICAL DRAWING CHANGES AND CLARIFICATIONS:

1. Sheet E301:
 - a. Mechanical Room 004: Locate the light switch inside the room next to the latch side of the door.
 - b. Vestibule 006: Center the two light fixtures shown in this area similar spacing as the two fixtures shown in Sprinkler Room 005.

2. Sheet E402:
 - a. Add General Note 5 as follows: Note that all Contractors performing work in rooms with Data Service will require an escort as arranged by the COR to enter said spaces. Advanced notice is required from the COR to make arrangements. Refer to Specifications for additional information.
 - b. Vestibule 103-2: Revise keynote 9 to read 10. Revise keynote 10 to read 9.
 - c. East Corridor: Provide j-boxes per keynotes 9 and 10 for keypad and card reader for entry into Data Room 107. Refer to sheet T102 for all keypad and card reader locations.

CABLING PLAN CHANGES AND CLARIFICATIONS:

1. Sheet CP1-0:
 - a. Revise key note 5 to read as follows: PROVIDE ONE (1) 4" CONDUIT FROM DATA ROOM TO CABLE TRAY IN STEAM TUNNEL. ROUTE CONDUIT OVERHEAD ABOVE ACT CEILING AND DOWN INTO CRAWL SPACE. ROUTE TROUGH CRAWL SPACE AND INTO STEAM TUNNEL.
 - b. Revise key note 6 to read as follows: 4" VERTICAL CONDUIT DROP FROM TELECOM ROOM A101 ABOVE. SEE NOTE 5 ON SHEET CP1-1.
 - c. Revise key note 7 to read 'NOT USED'.

2. Sheet CP8-0:
 - a. Revise key note 2 to read as follows: REMOVE EXISTING CABLE TRAY FROM TUNNEL AND THROUGH ELEVATOR EQUIPMENT ROOM AFTER NEW CABLING IS INSTALLED THROUGH CONDUITS AT NOTE 4.

3. Sheet CP28.-0:
 - a. Revise note 2 to read as follows: PROVIDE NEW RACK MOUNT FIBER OPTIC PATCH PANELS AND NEW CABLES PER THE FIBER OPTIC BACKBONE DIAGRAM.

4. Sheet CP57.109-1:
 - a. Revise sheet title to read 'BUILDING 109 CABLING PLAN – FIRST FLOOR' in lieu of 'BUILDING 109 FIRE ALARM PLAN – FIRST FLOOR'.

5. Sheet T502 detail 2 "COPPER CONNECTIVITY DIAGRAM" Change the pairs count of the existing copper backbone cable installed to Room 103 in Building 50 from 200 pairs to 100 pairs.

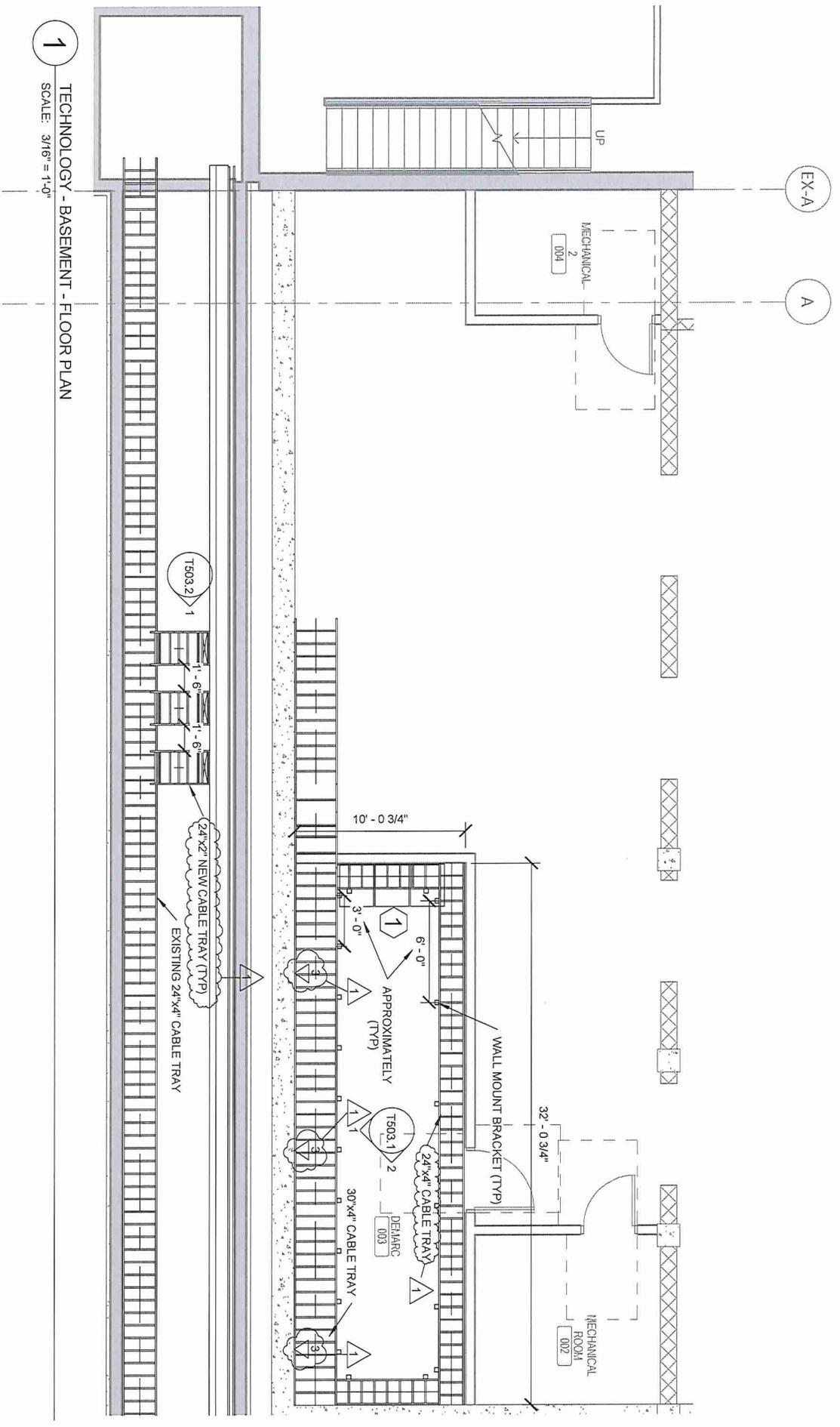
6. Sheet T503 detail 5 "DATA CENTER 110 FRAME ELEVATION DIAGRAM" Change the label for 110 block from "Building 53 RM 5 Pairs 001-100" to "Building 59 RM 5 Pairs 001-100".
7. Sheet T503 detail 6 "BUILDING 108 DEMARC 2500 FRAME ELEVATION" Change the label for R-399 block from "Building 9 RM 15 Pairs 501-600" to "Building 29 RM 15 Pairs 501-600".
8. Sheet T501 detail 9 "CABLE DISTRIBUTION DETAIL" Change the note "CABLE BUNDELS FROM ABOVE TO VERTICAL CABLE MANAGEMENT" to "CABLE BUNDLES FROM ABOVE TO VERTICAL CABLE MANAGEMENT".
9. Sheet T101. Replace detail drawing 2/T101 with detail drawing Addendum 6 T101.1.
10. Sheet T101. Replace drawing 1/T101 with detail drawing Addendum 6 T101.2.
11. Sheet T102. Replace drawing 6/T102 with detail drawing Addendum 6 T102.1.
12. Sheet T102. Replace drawing 1/T102 with detail drawing Addendum 6 T102.2.
13. Sheet T501. Replace copper connectivity diagram with drawing Addendum 6 T501.1.
14. Sheet T502. Replace fiber backbone diagram with drawing Addendum 6 T502.1.
15. Sheet T503. Replace Demarc South Wall Elevation with drawing Addendum 6 T503.1.
16. Sheet T503. Replace Steam Tunnel Penetration and Cable Tray Elevation with drawing Addendum 1 T503.2.



ST. CLOUD VA HCS
CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION
 ST. CLOUD, MN 56303

1

TECHNOLOGY - BASEMENT - FLOOR PLAN
 SCALE: 3/16" = 1'-0"



DATE: 10/14/15
 PROJECT: 656-14-246
 ISSUED FOR: ADDENDUM #6
 FROM SHEET NO. T101.1

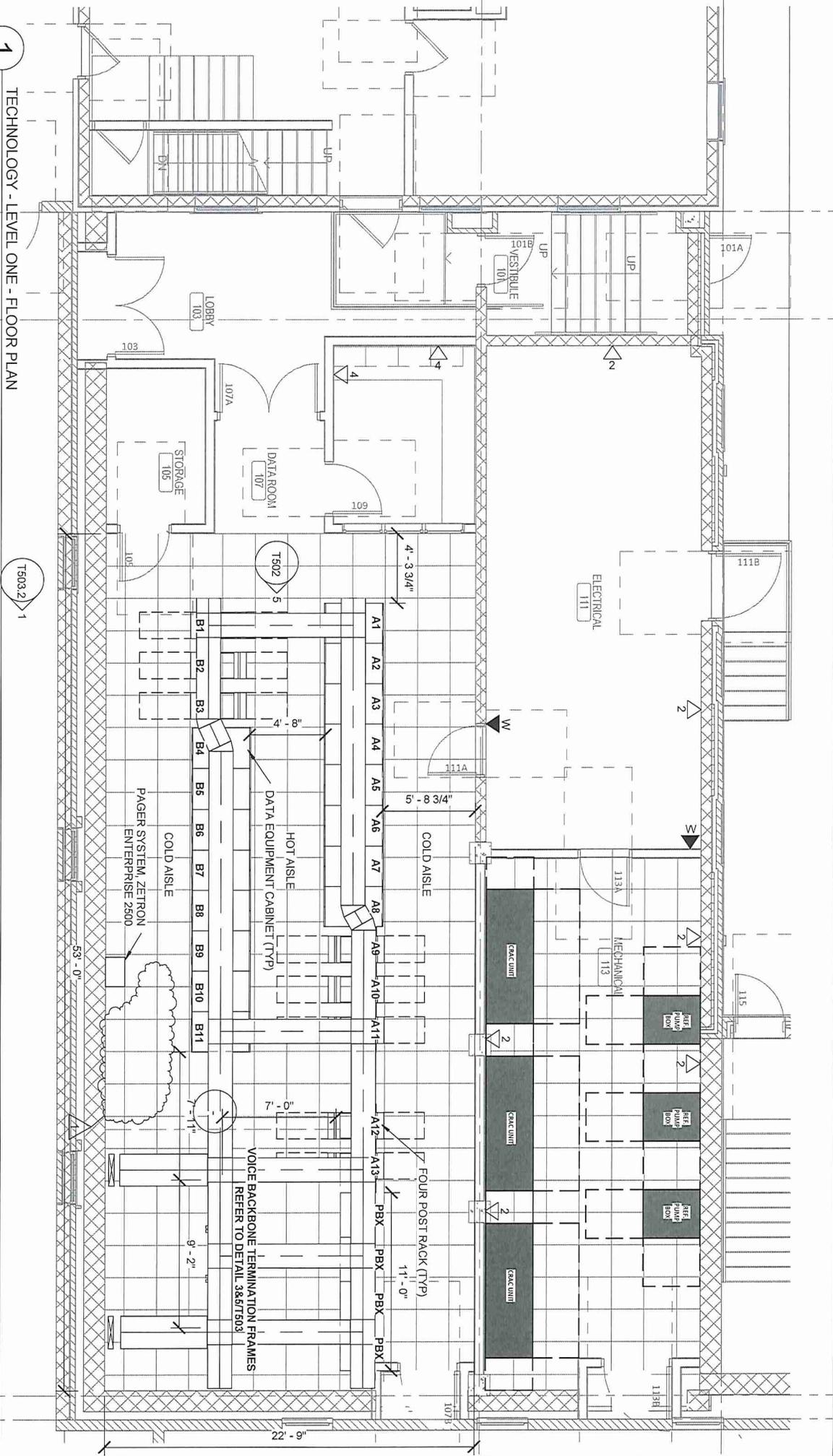


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DATE: 10/14/15
 PROJECT: 656-114-246
 ISSUED FOR: ADDENDUM #6
 FROM SHEET NO. T101.2
 SHEET NO. T101.2

1
 TECHNOLOGY - LEVEL ONE - FLOOR PLAN
 SCALE: 3/16" = 1'-0"



EX-A

A

EX-B

T503.2 > 1

VOICE BACKBONE TERMINATION FRAMES
 REFER TO DETAIL 38.67503

FOUR POST RACK (TYP)
 1'-0"

PAGER SYSTEM, ZETRON
 ENTERPRISE 2800

HOT AISLE
 DATA EQUIPMENT CABINET (TYP)

COLD AISLE

COLD AISLE

ELECTRICAL
 111

MECHANICAL
 113

MECHANICAL
 113A

REF. PUMP
 BOX

REF. PUMP
 BOX

REF. PUMP
 BOX

REF. PUMP
 BOX

115

113B

111B

101A

T502

103

107A

107

109

105

107B

107C

107D

107E

107F

107G

107H

107I

107J

107K

107L

107M

107N

107O

107P

107Q

107R

107S

107T

107U

107V

107W

107X

107Y

107Z

107AA

107AB

107AC

107AD

107AE

107AF

107AG

107AH

107AI

107AJ

107AK

107AL

107AM

107AN

107AO

107AP

107AQ

107AR

107AS

107AT

107AU

107AV

107AW

107AX

107AY

107AZ

107BA

107BB

107BC

107BD

107BE

107BF

107BG

107BH

107BI

107BJ

107BK

107BL

107BM

107BN

107BO

107BP

107BQ

107BR

107BS

107BT

107BU

107BV

107BW

107BX

107BY

107BZ

107CA

107CB

107CC

107CD

107CE

107CF

107CG

107CH

107CI

107CJ

107CK

107CL

107CM

107CN

107CO

107CP

107CQ

107CR

107CS

107CT

107CU

107CV

107CW

107CX

107CY

107CZ

107DA

107DB

107DC

107DD

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107DZ

107EA

107EB

107EC

107ED

107EE

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107EH

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107EJ

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107EL

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107IV

107IW

107IX

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107JJ

107JK

107JL

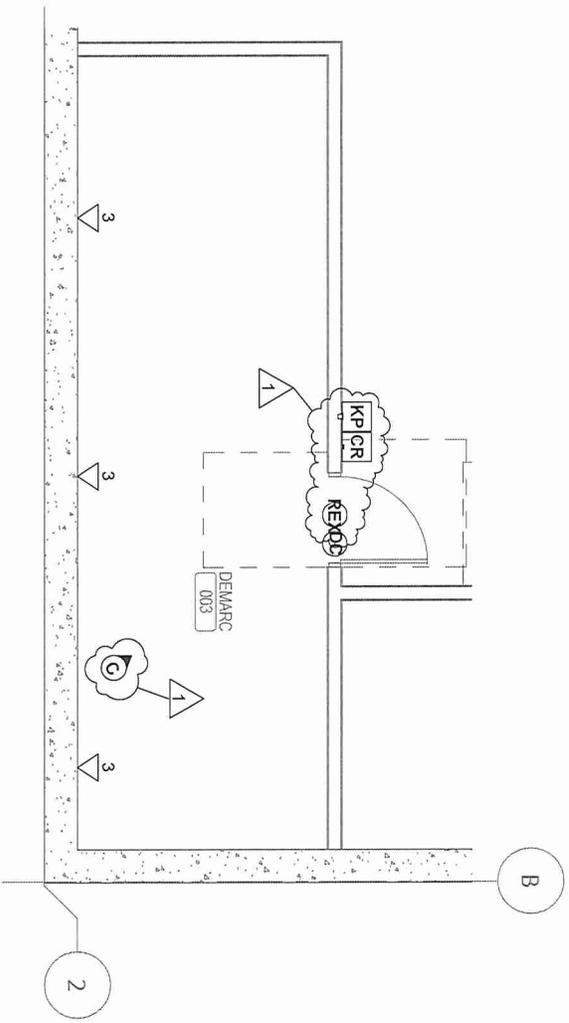
107JM

107JN

107JO

107JP

107JQ



1

TECHNOLOGY - BASEMENT - DEMARC - SECURITY

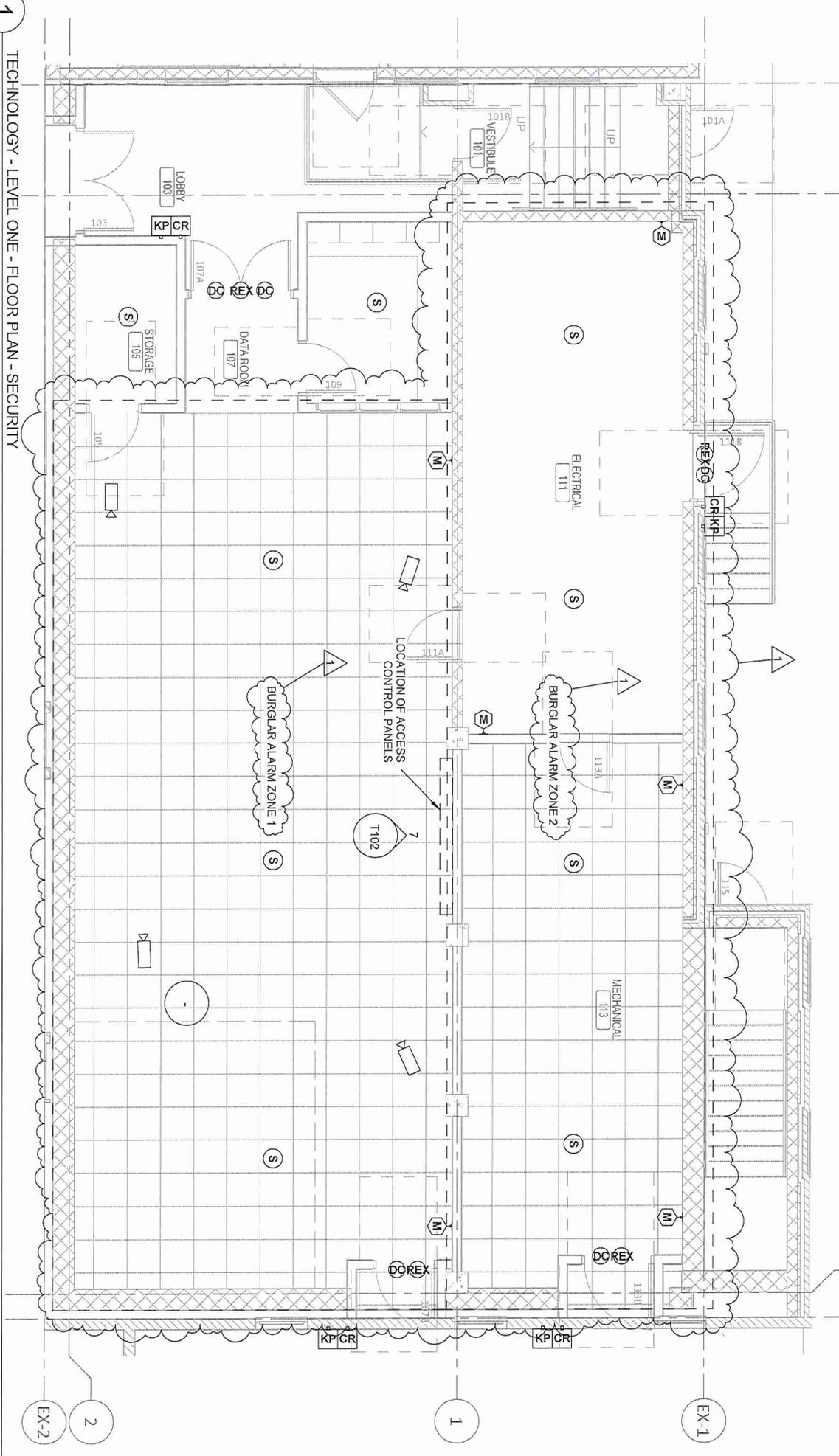
SCALE: 3/16" = 1'-0"



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DATE: 10/14/15 PROJECT: 656-14-246
 ISSUED FOR: ADDENDUM #6
 FROM SHEET NO. SHEET NO. T102.1

EX-A A B EX-B



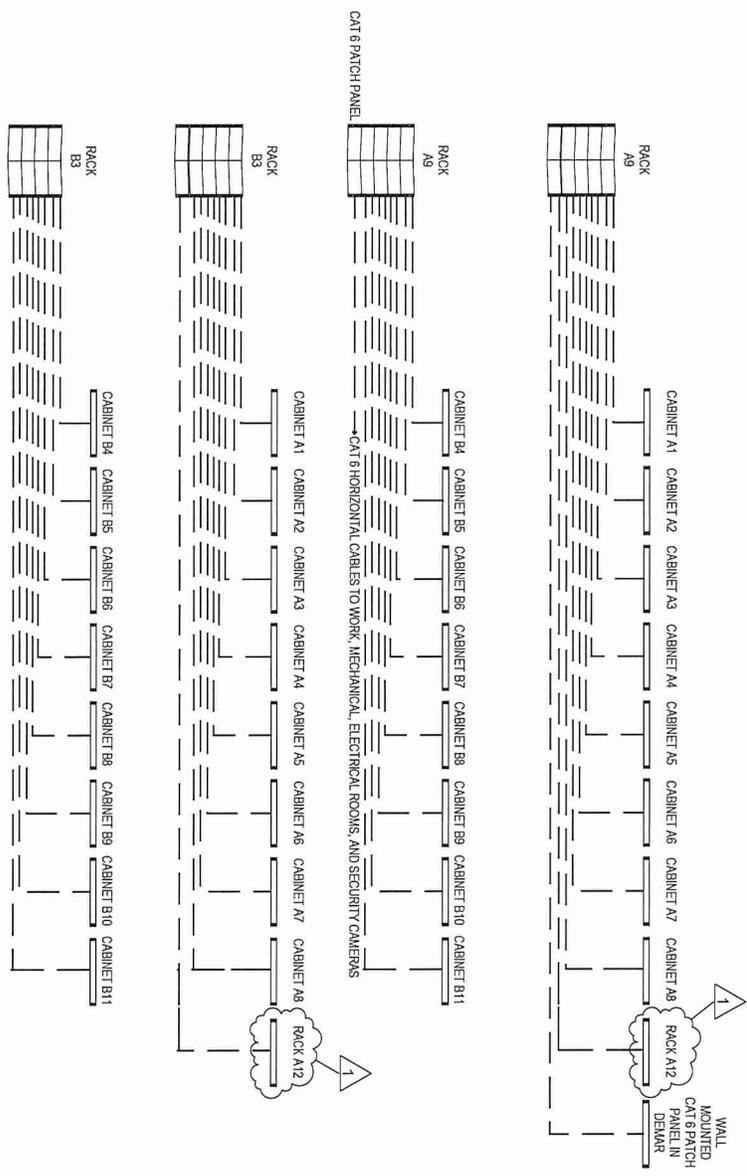
1 TECHNOLOGY - LEVEL ONE - FLOOR PLAN - SECURITY
 SCALE: 3/16" = 1'-0"

JIC ARCHITECTS
 ST. CLOUD VA HCS
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PROJECT
ST. CLOUD NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 10/14/15
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 ISSUED FOR: ADDENDUM #6
 FROM SHEET NO. T102.1
 SHEET NO. T102.2

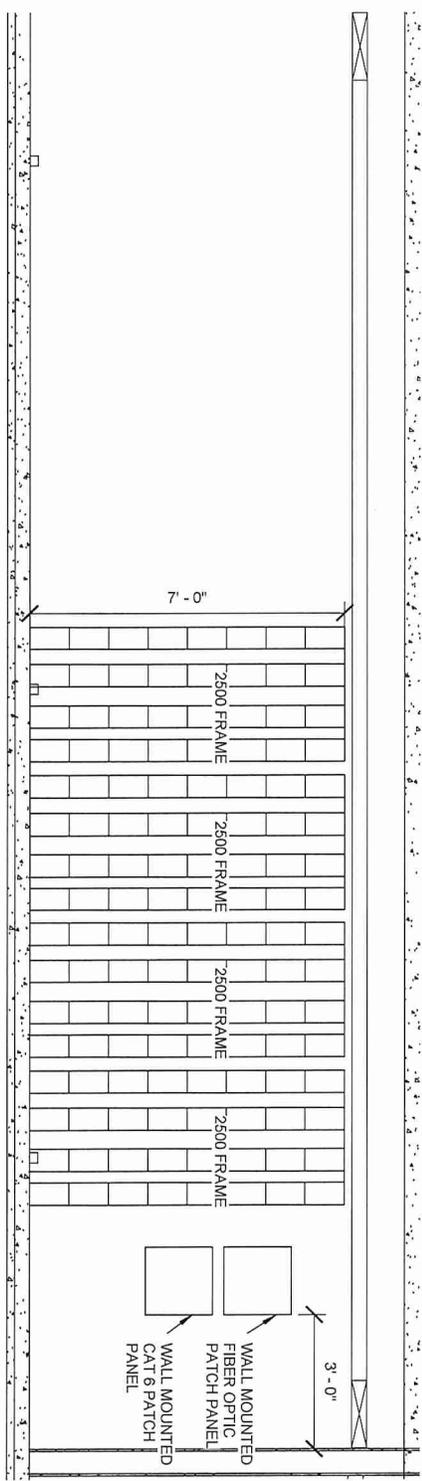
1

COPPER AND FIBER CONNECTIVITY DIAGRAM
 SCALE: NTS



1

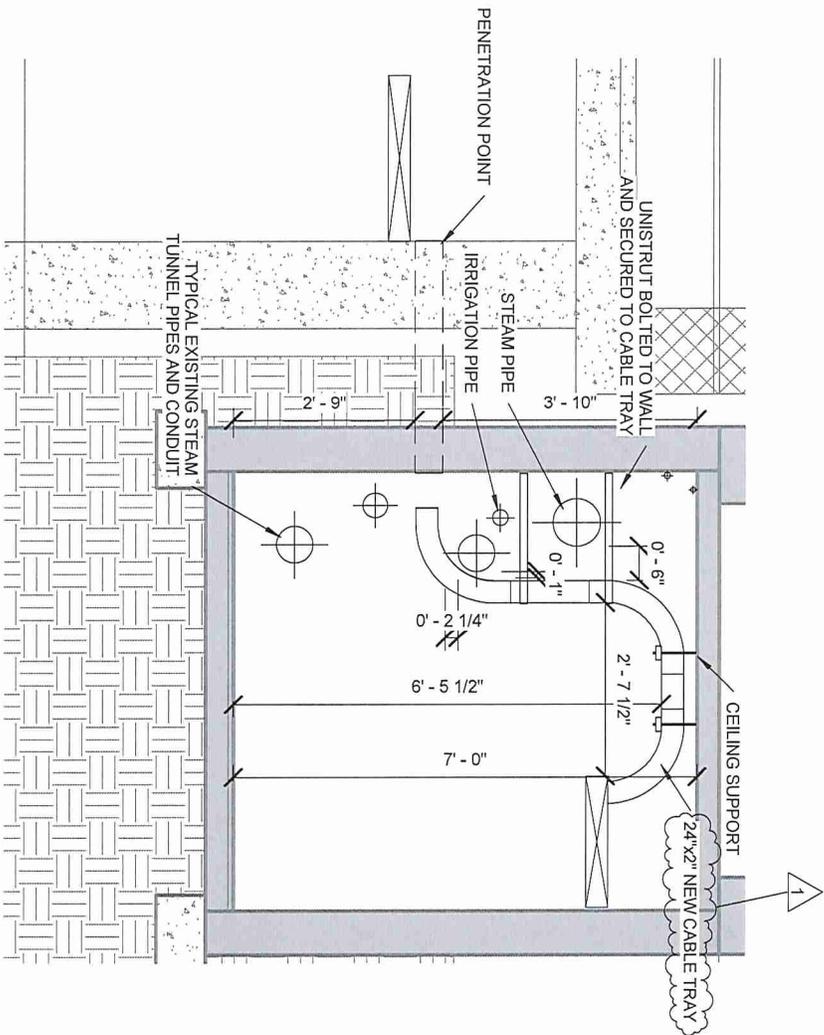
Dependent on DEMARC SOUTH WALL ELEVATION
SCALE: 3/8" = 1'-0"



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CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

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 FROM SHEET NO. T503.1



1 STEAM TUNNEL PENETRATION AND CABLE TRAY ELEVATION

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



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 TECHNOLOGY MANAGEMENT EXPANSION
 ST. CLOUD, MN 56303

DATE: 10/14/15 PROJECT: 656-14-246
 ISSUED FOR: ADDENDUM #6
 FROM SHEET NO. SHEET NO. T503.2