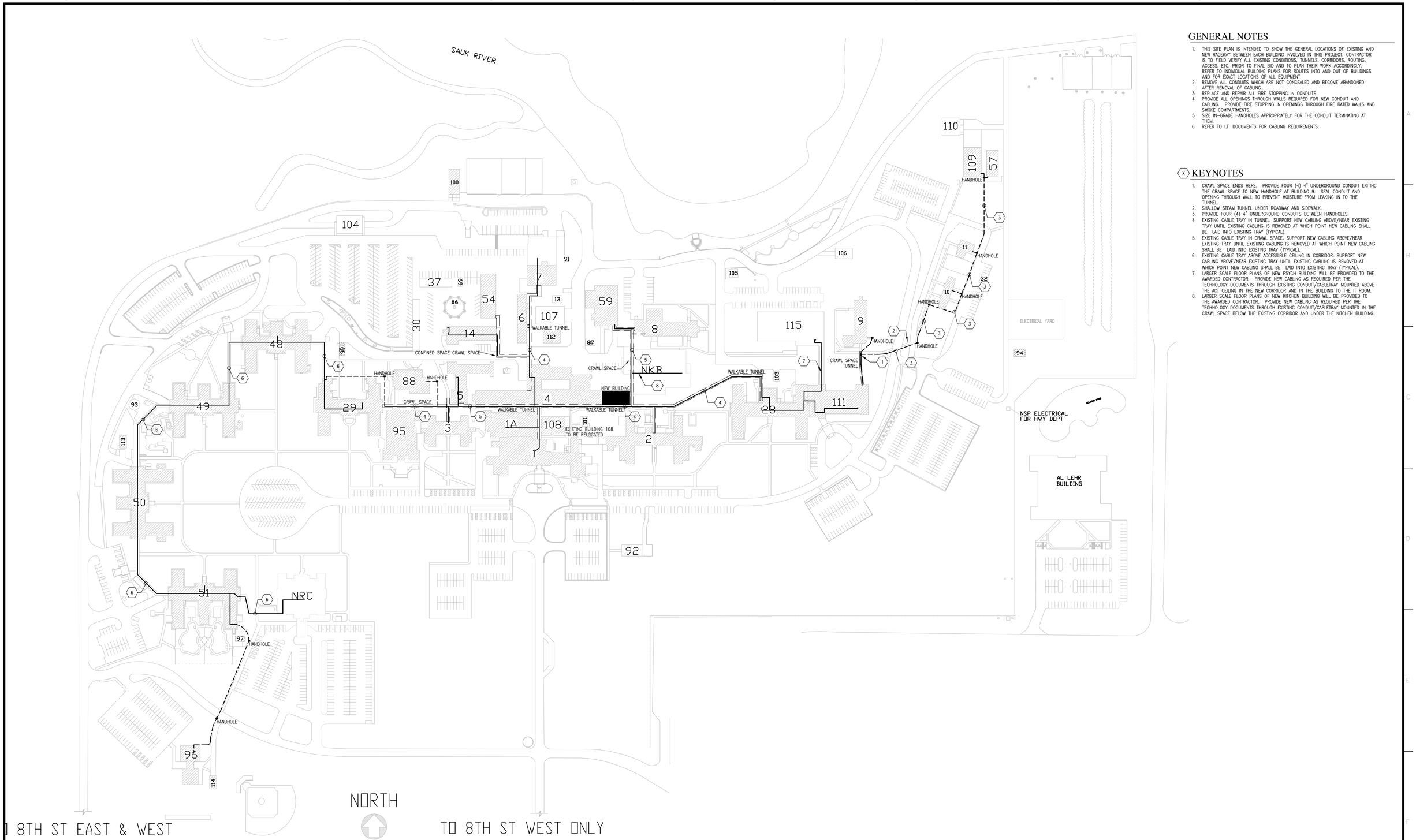

GENERAL NOTES

1. THIS SITE PLAN IS INTENDED TO SHOW THE GENERAL LOCATIONS OF EXISTING AND NEW RACEWAY BETWEEN EACH BUILDING INVOLVED IN THIS PROJECT. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING CONDITIONS, TUNNELS, CORRIDORS, ROUTING, ACCESS, ETC. PRIOR TO FINAL BID AND TO PLAN THEIR WORK ACCORDINGLY. REFER TO INDIVIDUAL BUILDING PLANS FOR ROUTES INTO AND OUT OF BUILDINGS AND FOR EXACT LOCATIONS OF ALL EQUIPMENT.
2. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING..
3. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
4. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
5. SIZE IN-GRADE HANDHOLES APPROPRIATELY FOR THE CONDUIT TERMINATING AT THEM.
6. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. CRAWL SPACE ENDS HERE. PROVIDE FOUR (4) 4" UNDERGROUND CONDUIT EXITING THE CRAWL SPACE TO NEW HANDHOLE AT BUILDING 9. SEAL CONDUIT AND OPENING THROUGH WALL TO PREVENT MOISTURE FROM LEAKING IN TO THE TUNNEL.
2. SHALLOW STEAM TUNNEL UNDER ROADWAY AND SIDEWALK.
3. PROVIDE FOUR (4) 4" UNDERGROUND CONDUITS BETWEEN HANDHOLES.
4. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
5. EXISTING CABLE TRAY IN CRAWL SPACE. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
6. EXISTING CABLE TRAY ABOVE ACCESSIBLE CEILING IN CORRIDOR. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
7. LARGER SCALE FLOOR PLANS OF NEW PSYCH BUILDING WILL BE PROVIDED TO THE AWARDED CONTRACTOR. PROVIDE NEW CABLING AS REQUIRED PER THE TECHNOLOGY DOCUMENTS THROUGH EXISTING CONDUIT/CABLETRAY MOUNTED ABOVE THE ACT CEILING IN THE NEW CORRIDOR AND IN THE BUILDING TO THE IT ROOM.
8. LARGER SCALE FLOOR PLANS OF NEW KITCHEN BUILDING WILL BE PROVIDED TO THE AWARDED CONTRACTOR. PROVIDE NEW CABLING AS REQUIRED PER THE TECHNOLOGY DOCUMENTS THROUGH EXISTING CONDUIT/CABLETRAY MOUNTED IN THE CRAWL SPACE BELOW THE EXISTING CORRIDOR AND UNDER THE KITCHEN BUILDING.

N 1 CP000-1 OVERALL CAMPUS CABLING SITE PLAN
SCALE = 1"=100'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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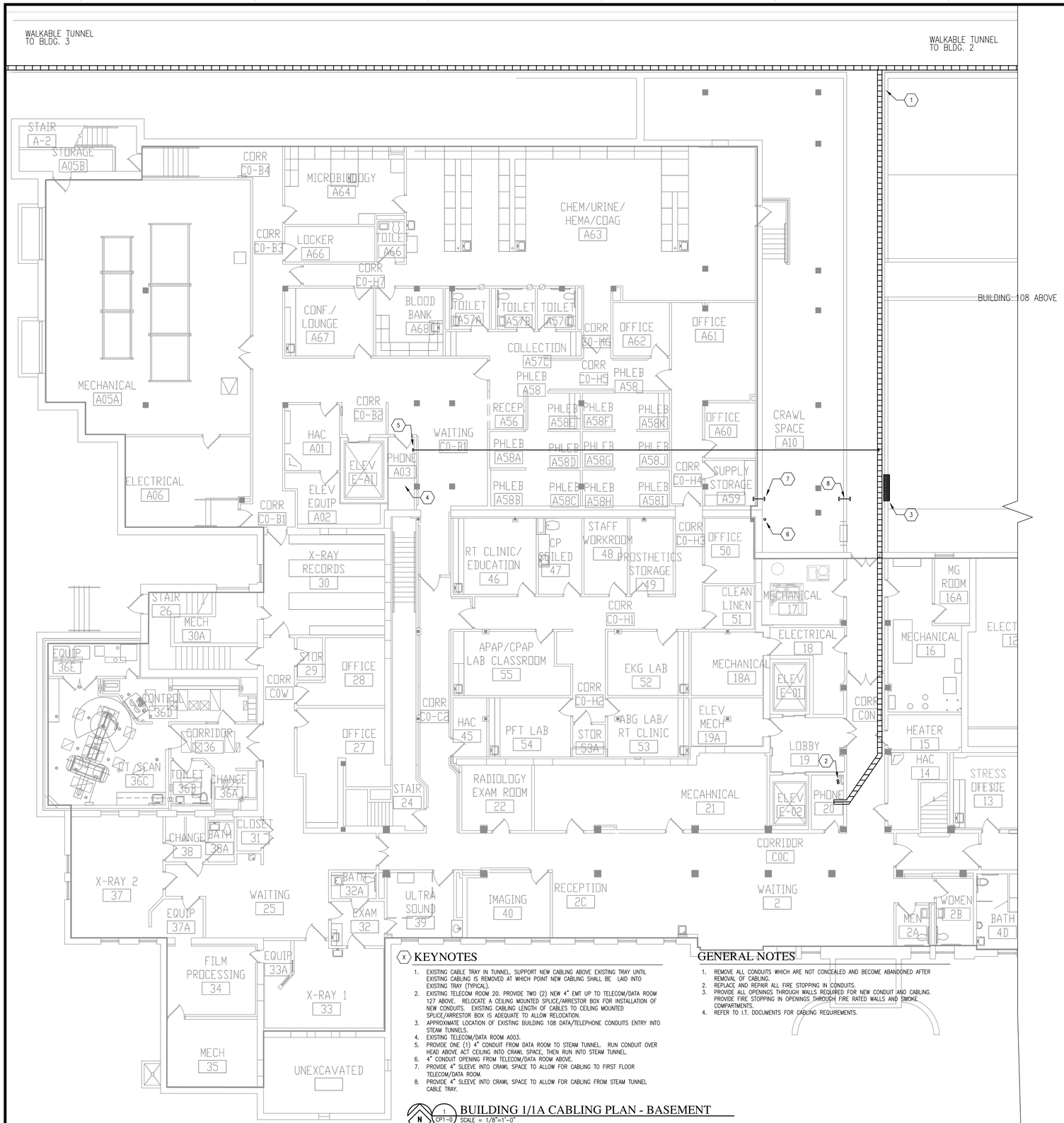
Aaron A. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: OVERALL CAMPUS CABLING SITE PLAN
APPROVED: PROJECT DIRECTOR — DATE:
PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION
BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING No: CP000-1

St. Cloud VA Health Care System
Brainerd | Montevideo | Alexandria

VA FORM 08-6231



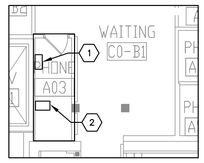
KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM ROOM 20. PROVIDE TWO (2) NEW 4" EMT UP TO TELECOM/DATA ROOM 127 ABOVE. RELOCATE A CEILING MOUNTED SPLICE/ARRESTOR BOX FOR INSTALLATION OF NEW CONDUITS. EXISTING CABLING LENGTH OF CABLES TO CEILING MOUNTED SPLICE/ARRESTOR BOX IS ADEQUATE TO ALLOW RELOCATION.
3. APPROXIMATE LOCATION OF EXISTING BUILDING 108 DATA/TELEPHONE CONDUITS ENTRY INTO STEAM TUNNELS.
4. EXISTING TELECOM/DATA ROOM A003.
5. PROVIDE ONE (1) 4" CONDUIT FROM DATA ROOM TO STEAM TUNNEL. RUN CONDUIT OVER HEAD ABOVE ACT CEILING INTO CRAWL SPACE, THEN RUN INTO STEAM TUNNEL.
6. 4" CONDUIT OPENING FROM TELECOM/DATA ROOM ABOVE.
7. PROVIDE 4" SLEEVE INTO CRAWL SPACE TO ALLOW FOR CABLING TO FIRST FLOOR TELECOM/DATA ROOM.
8. PROVIDE 4" SLEEVE INTO CRAWL SPACE TO ALLOW FOR CABLING FROM STEAM TUNNEL CABLE TRAY.

GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

N 1 CP1-0 BUILDING 1/1A CABLING PLAN - BASEMENT
SCALE = 1/8"=1'-0"



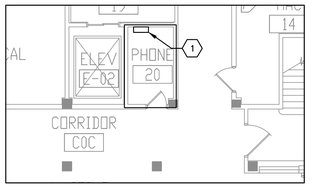
GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

KEYNOTES

1. PROVIDE NEW 110 BLOCKS BELOW EXISTING 110 BLOCKS, AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP1-0 ROOM A03 - IT PLAN
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

KEYNOTES

1. PROVIDE NEW 110 BLOCKS BELOW EXISTING 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 3 CP1-0 ROOM 20 - IT PLAN
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — REG. NO. MN 46184
DATE: 12-03-14

DRAWING TITLE: BUILDING 1/1A CABLING PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

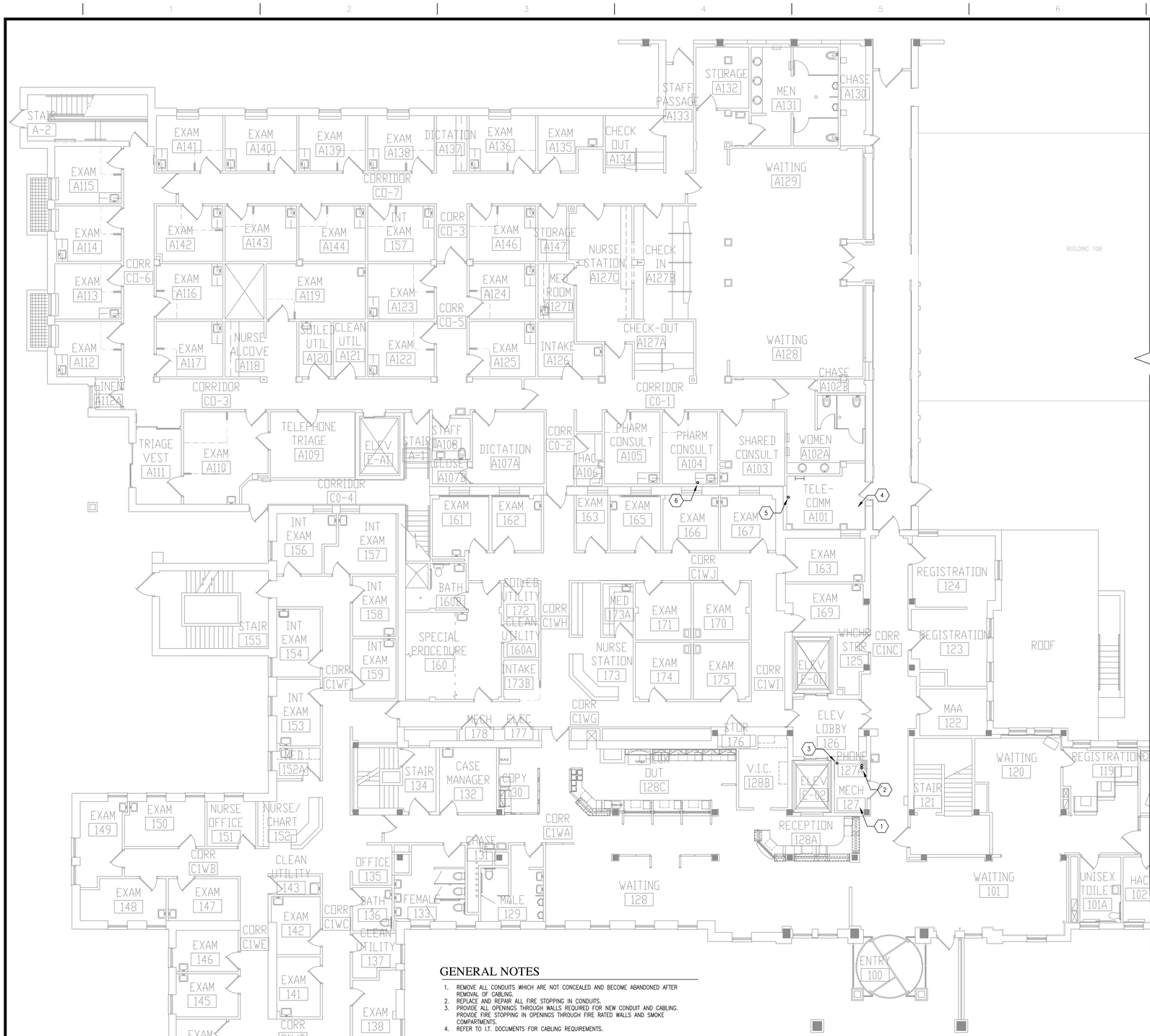
BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING NO: CP1-0

St. Cloud VA Health Care System
Brainerd | Montevideo | Alexandria

VA FORM 08-6231



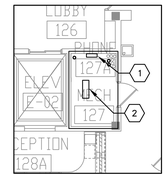
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 127A.
2. TWO (2) 4" CONDUITS THROUGH FLOOR TO BASEMENT LEVEL TELECOM ROOM.
3. ONE (1) 4" CONDUIT THROUGH CEILING TO SECOND FLOOR TELECOM/DATA ROOM.
4. EXISTING TELECOM/DATA ROOM A101.
5. PROVIDE ONE (1) 4" CONDUIT THROUGH FLOOR FOR CABLING TO BASEMENT LEVEL TELECOM/DATA ROOM.
6. PROVIDE ONE (1) 4" CONDUIT THROUGH FLOOR FOR CABLING TO SECOND LEVEL TELECOM/DATA ROOM.

N 1 CP1-1 BUILDING 1/1A CABLING PLAN - FIRST FLOOR
SCALE = 1/8"=1'-0"



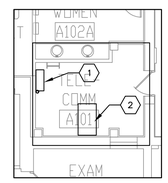
GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP1-1 IT PLAN - ROOM 127
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 3 CP1-1 IT PLAN - ROOM A101
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — REG. NO. 46164
DATE: 12-03-14

DRAWING TITLE: BUILDING 1/1A CABLING PLAN - FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING NO: CP1-1

St. Cloud VA Health Care System
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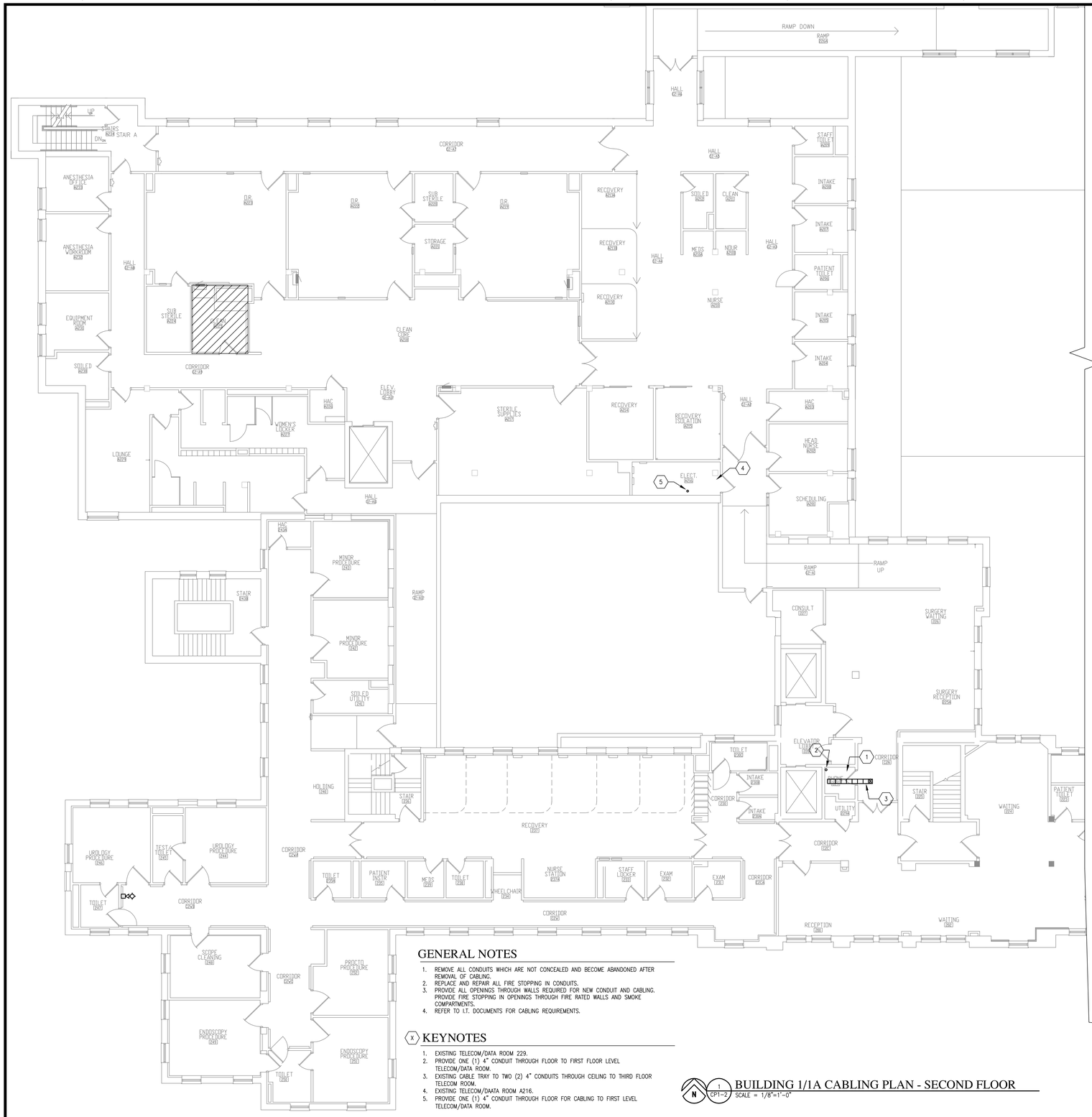


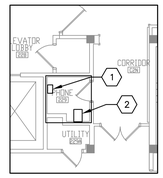
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 229.
2. PROVIDE ONE (1) 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR LEVEL TELECOM/DATA ROOM.
3. EXISTING CABLE TRAY TO TWO (2) 4" CONDUITS THROUGH CEILING TO THIRD FLOOR TELECOM ROOM.
4. EXISTING TELECOM/DAATA ROOM A216.
5. PROVIDE ONE (1) 4" CONDUIT THROUGH FLOOR FOR CABLING TO FIRST LEVEL TELECOM/DATA ROOM.

N 1 CP1-2 BUILDING 1/1A CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



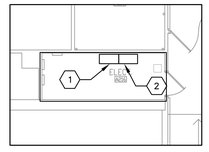
GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP1-2 IT PLAN - ROOM 229
SCALE = 1/8"=1'-0"



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2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS IN EXISTING TELEPHONE CABINET AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 3 CP1-2 IT PLAN - ROOM A216
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — REG. NO. 46184
DATE: 12-03-14

DRAWING TITLE: BUILDING 1/1A CABLING PLAN - SECOND FLOOR

APPROVED: PROJECT DIRECTOR — DATE

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP1-2

St. Cloud VA Health Care System
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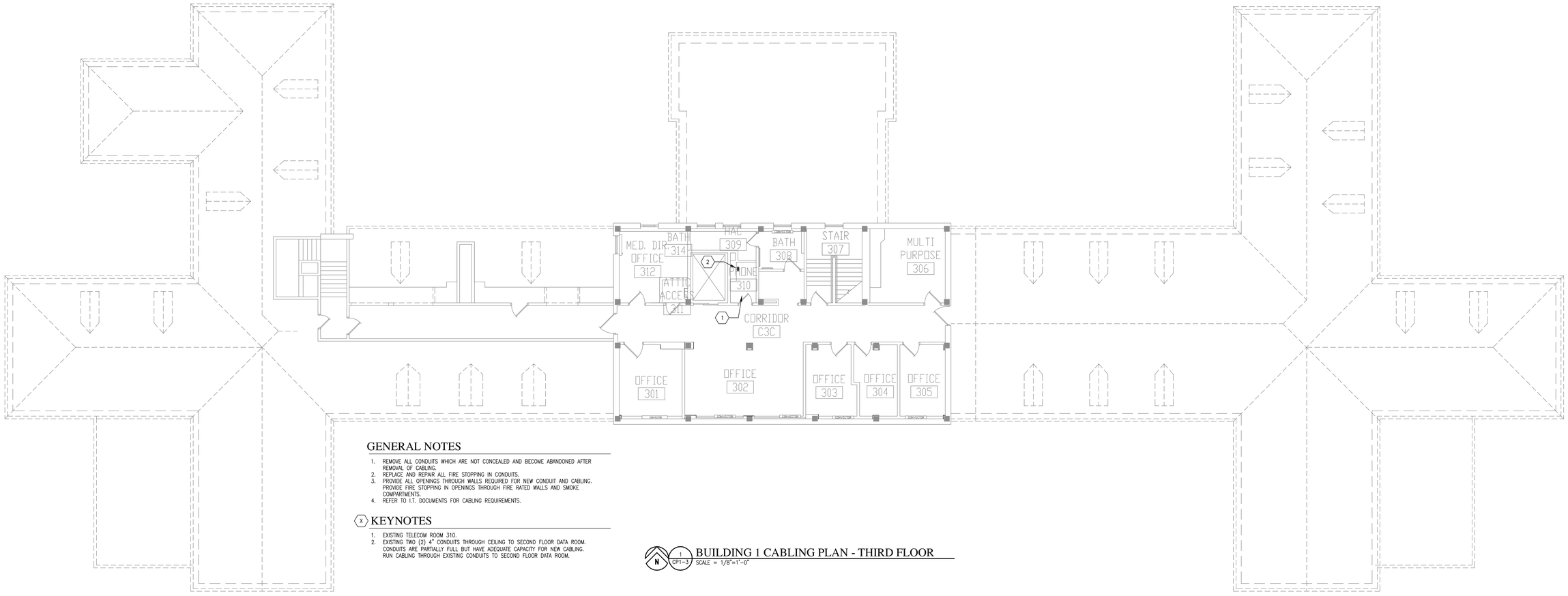


GENERAL NOTES

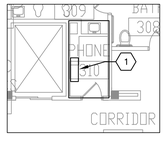
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 310.
2. EXISTING TWO (2) 4" CONDUITS THROUGH CEILING TO SECOND FLOOR DATA ROOM. CONDUITS ARE PARTIALLY FULL BUT HAVE ADEQUATE CAPACITY FOR NEW CABLING. RUN CABLING THROUGH EXISTING CONDUITS TO SECOND FLOOR DATA ROOM.

(N) (1 / CP1-3) BUILDING 1 CABLING PLAN - THIRD FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS IN EXISTING TELEPHONE CABINET AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

(N) (1 / CP1-3) IT PLAN - ROOM 310

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-09-14

DRAWING TITLE: BUILDING 1 FIRE ALARM PLAN - THIRD FLOOR PENTHOUSE

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP1-3

St. Cloud VA Health Care System
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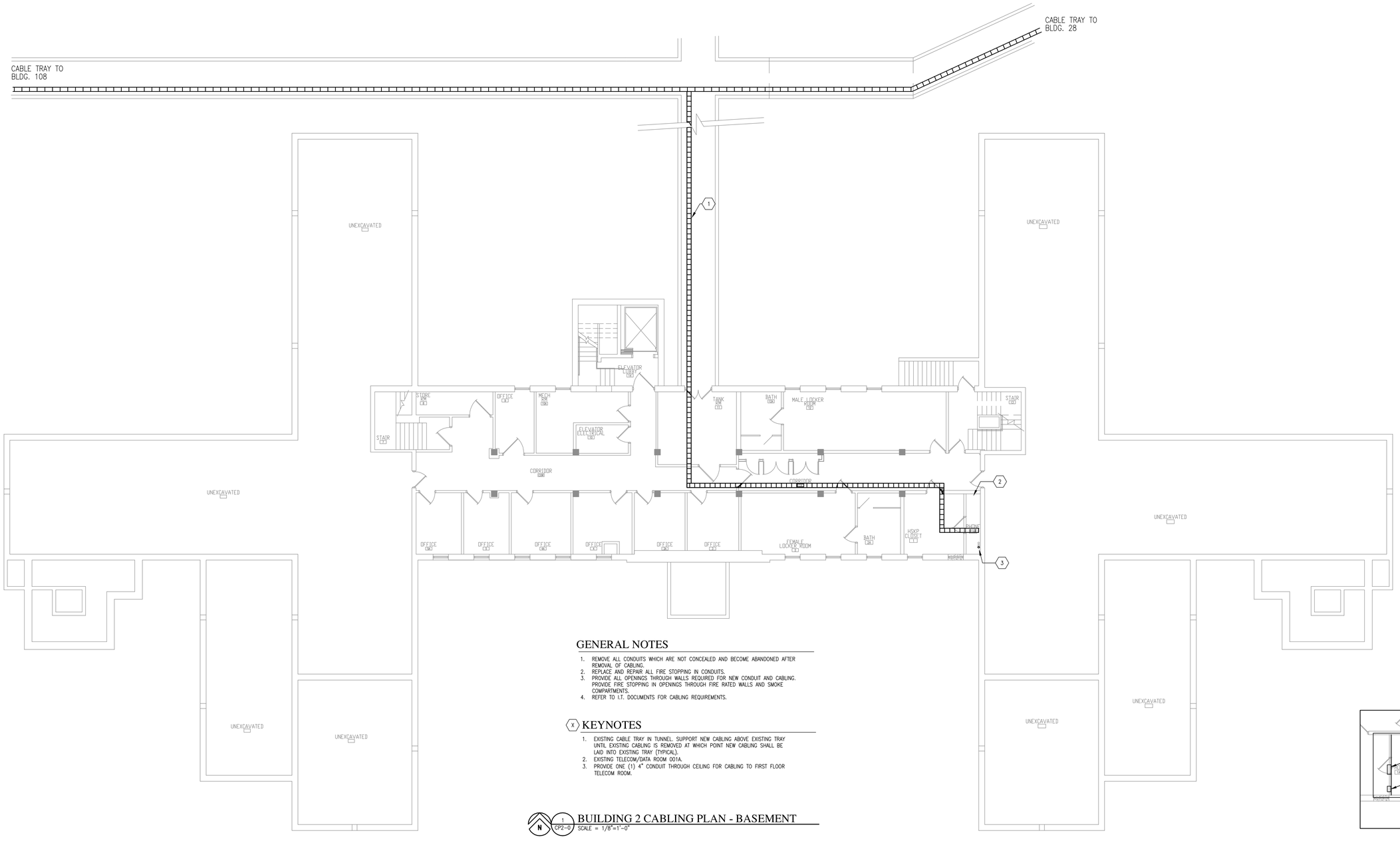


GENERAL NOTES

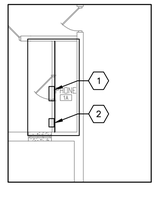
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM/DATA ROOM 001A.
3. PROVIDE ONE (1) 4" CONDUIT THROUGH CEILING FOR CABLING TO FIRST FLOOR TELECOM ROOM.

N 1 CP2-0 BUILDING 2 CABLING PLAN - BASEMENT

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS ABOVE EXISTING 110 BLOCKS, AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW WALL MOUNTED FIBER OPTIC PATCH PANELS AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP2-0 IT PLAN - ROOM 1A

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE
DATE: 12-03-14
REG. NO. MN 46184

DRAWING TITLE: BUILDING 2 CABLING PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR | DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
BUILDING NO: AS NOTED | CHECKED BY: ARM | DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP2-0

St. Cloud VA Health Care System
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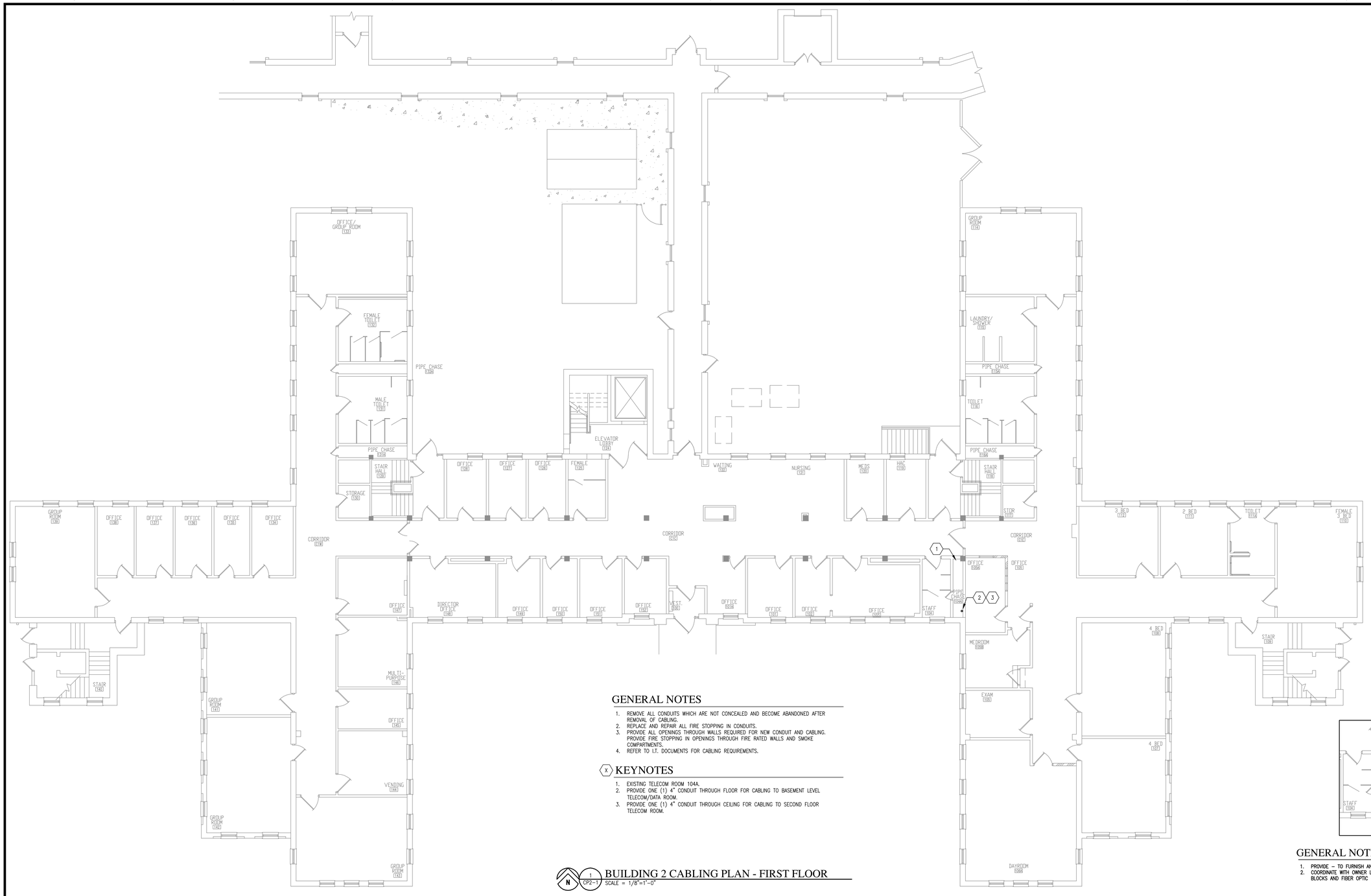
VA FORM 08-6231



GENERAL NOTES

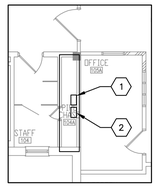
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 104A.
2. PROVIDE ONE (1) 4" CONDUIT THROUGH FLOOR FOR CABLING TO BASEMENT LEVEL TELECOM/DATA ROOM.
3. PROVIDE ONE (1) 4" CONDUIT THROUGH CEILING FOR CABLING TO SECOND FLOOR TELECOM ROOM.

N 1 CP2-1 BUILDING 2 CABLING PLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 6' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW WALL MOUNTED FIBER OPTIC PATCH PANELS AT 6' AFF AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP2-1 IT PLAN - ROOM 104A

SCALE = 1/8"=1'-0"

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Aaron R. Mueller, PE — MN 46184 REG. NO.
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DRAWING TITLE: BUILDING 2 CABLING PLAN - FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
BUILDING No.: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
VA FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303
DRAWING NO.: CP2-1

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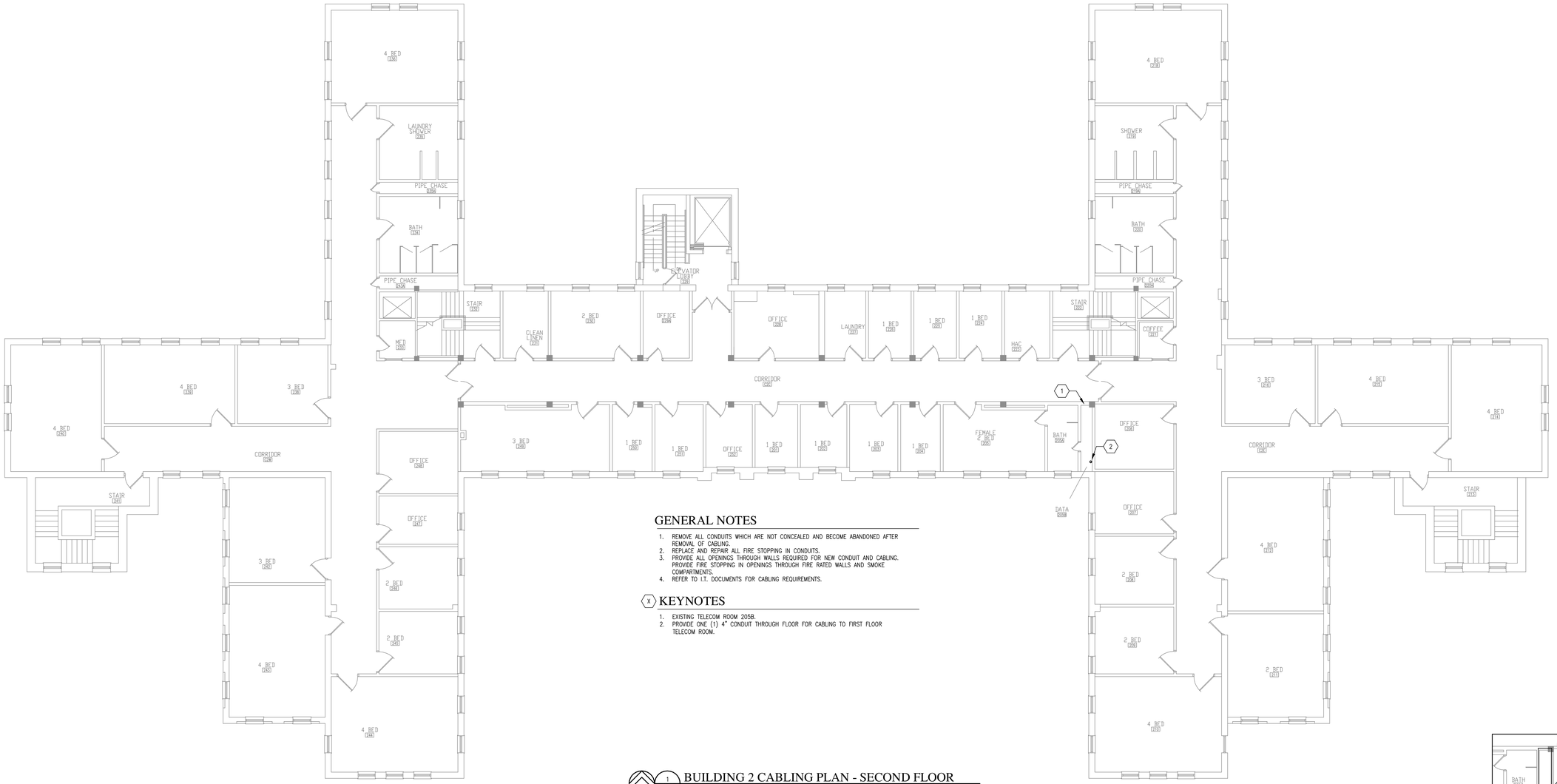

GENERAL NOTES

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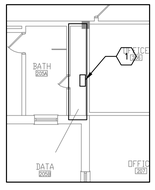
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 205B.
2. PROVIDE ONE (1) 4" CONDUIT THROUGH FLOOR FOR CABLING TO FIRST FLOOR TELECOM ROOM.

N 1 CP2-2 BUILDING 2 CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP2-2 IT PLAN - ROOM 205B
SCALE = 1/8"=1'-0"

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Aaron R. Mueller, PE — MN 46184
REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 2 CABLING PLAN - SECOND FLOOR

APPROVED: PROJECT DIRECTOR — DATE

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP2-2

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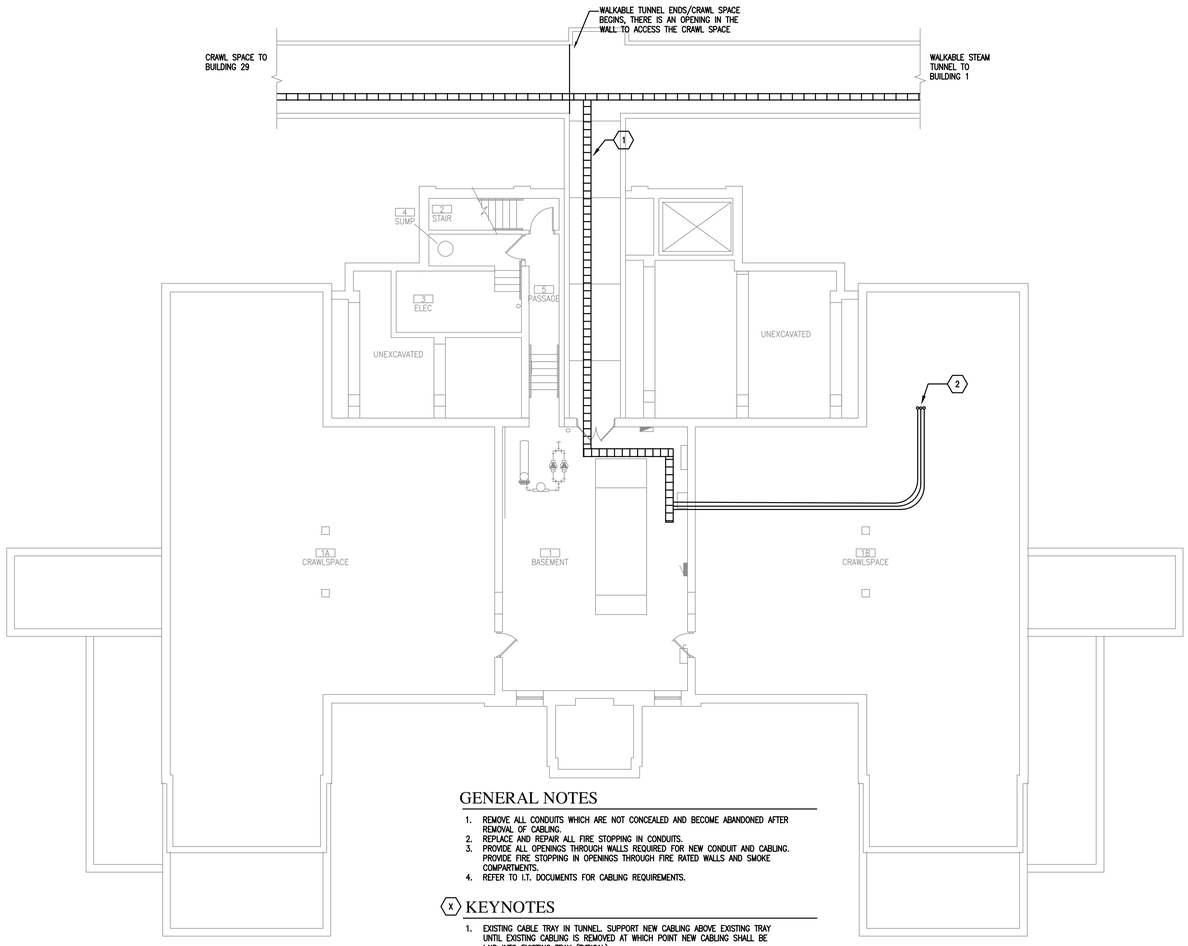

GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
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3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING 4" CONDUITS FROM FIRST FLOOR TELECOM/DATA ROOM TO BASEMENT LEVEL CABLE TRAY. ONE OF THE CONDUITS IS AN EMPTY SPARE. USE THIS CONDUIT FOR NEW CABLING TO FIRST FLOOR TELECOM/DATA ROOM.

N 1 CP3-0 BUILDING 3 CABLING PLAN - BASEMENT

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 3 CABLING PLAN BASEMENT

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

BUILDING No	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

DATE	12.03.14
PLOT SCALE	AS NOTED
PROJECT No.	655-13-240
CAD FILE	XXX
DRAWING No.	CP3-0

St. Cloud VA Health Care System
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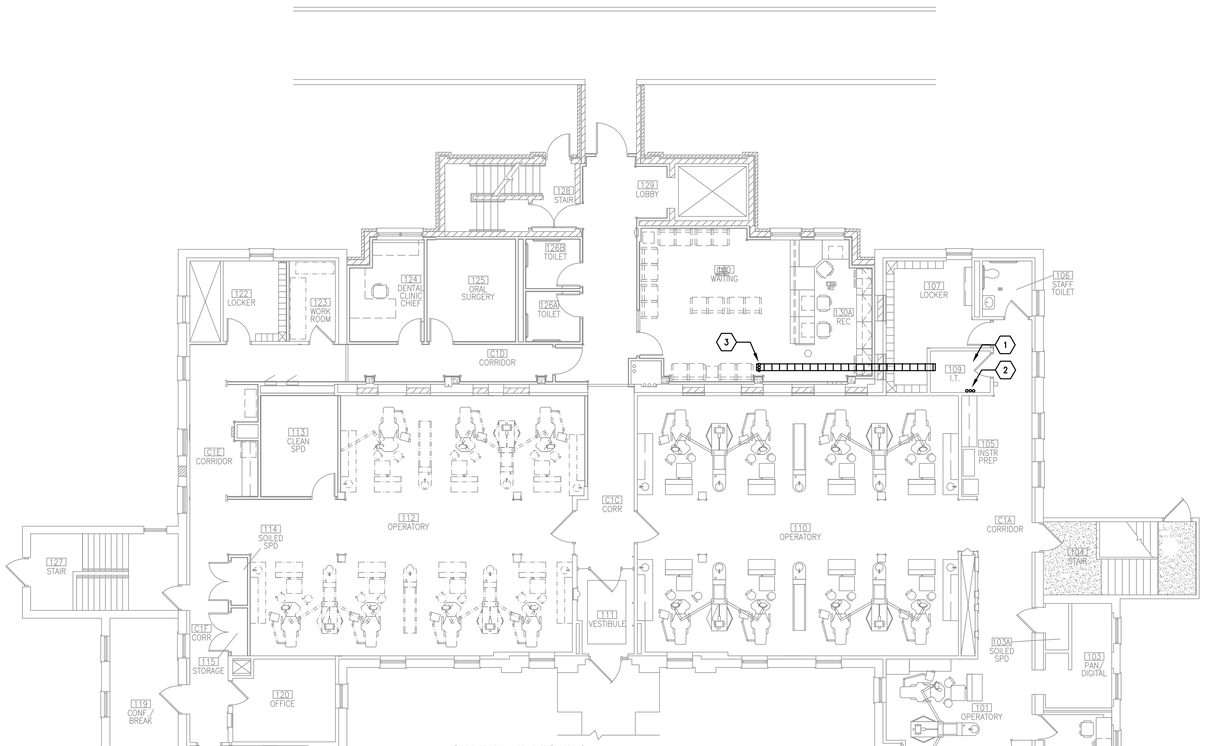

GENERAL NOTES

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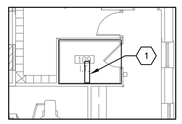
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 109.
2. EXISTING 4" CONDUITS FROM FIRST FLOOR TELECOM/DATA ROOM TO BASEMENT LEVEL CABLE TRAY. ONE OF THE CONDUITS IS AN EMPTY SPARE. USE THIS CONDUIT FOR NEW CABLING TO NEW DATA CENTER.
3. EXISTING CABLE TRAY AND THREE 4" CONDUITS THROUGH FLOOR FROM FIRST FLOOR TO SECOND FLOOR TELECOM/DATA ROOM. TWO CONDUITS ARE EMPTY SPARES, USE ONE OF THESE CONDUITS FOR NEW CABLING.

1 / CP3-1 BUILDING 3 CABLING PLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

(X) KEYNOTES

1. TERMINATE NEW VOICE AND FIBER BACKBONE CABLES ON RACK MOUNTED PATCH PANELS. PER FIBER OPTIC AND COPPER BACKBONE DIAGRAMS.

2 / CP3-1 IT PLAN - ROOM 109

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 3 CABLING PLAN FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
POST SCALE: AS NOTED
PROJECT NO: 655-13-240
CAD FILE: XXX
DRAWING NO: CP3-1

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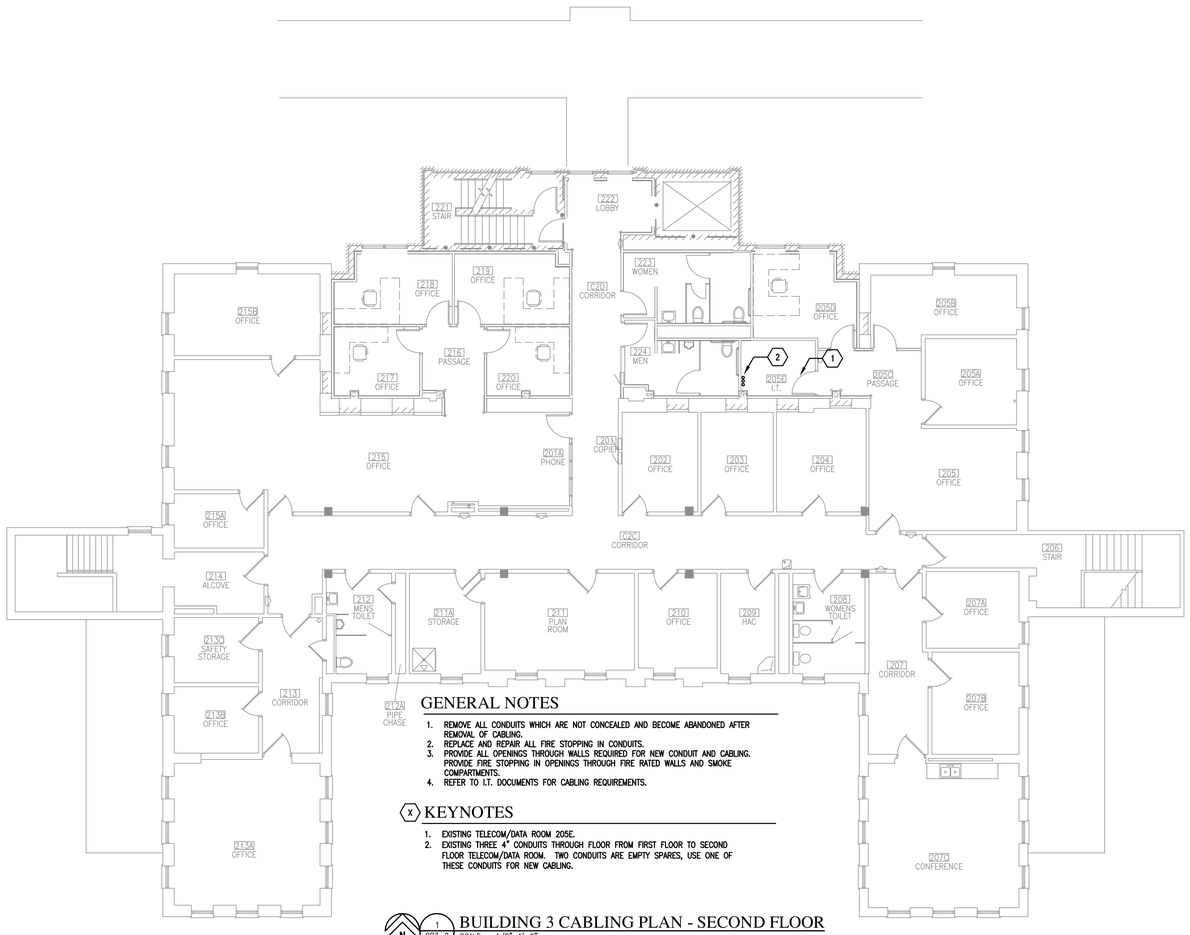

GENERAL NOTES

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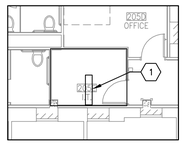
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 205E.
2. EXISTING THREE 4" CONDUITS THROUGH FLOOR FROM FIRST FLOOR TO SECOND FLOOR TELECOM/DATA ROOM. TWO CONDUITS ARE EMPTY SPARES, USE ONE OF THESE CONDUITS FOR NEW CABLING.

N 1 CP3-2 BUILDING 3 CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.
3. FIBER OPTIC AND COPPER BACKBONE CABLES IN BUILDINGS 1A AND 3 SHALL BE PLENUM RATED.

(X) KEYNOTES

1. TERMINATE NEW VOICE AND FIBER BACKBONE CABLES ON RACK MOUNTED PATCH PANELS. PER FIBER OPTIC AND COPPER BACKBONE DIAGRAMS.

N 2 CP3-2 IT PLAN - ROOM 205E
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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MN 46184
Aaron R. Mueller, PE — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 3 CABLING PLAN SECOND FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB | CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO.: CP3-2

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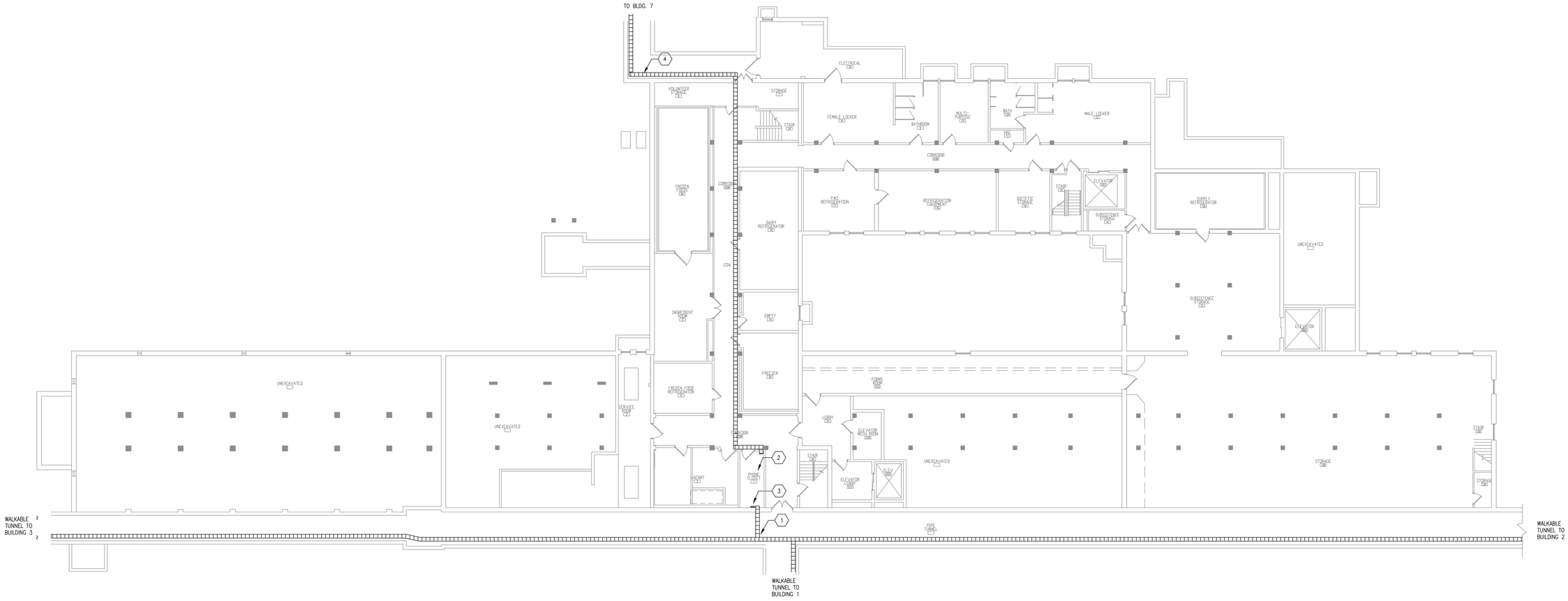

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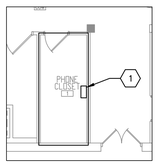
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM ROOM 001.
3. THREE (3) EXISTING 4" CONDUITS THROUGH FLOOR TO FIRST LEVEL TELECOM/DATA ROOM. MIDDLE CONDUIT IS EMPTY AND SHALL BE USED FOR NEW I.T. CABLING.
4. EXISTING CABLE TRAY RAN INTO A TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).

N 1 CP4-0 BUILDING 4 CABLING PLAN - BASEMENT

SCALE = 3/32"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP4-0 IT PLAN - ROOM 001

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

APPROVED: PROJECT DIRECTOR — DATE:

DRAWING TITLE: BUILDING 4 CABLING PLAN - BASEMENT

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP4-0

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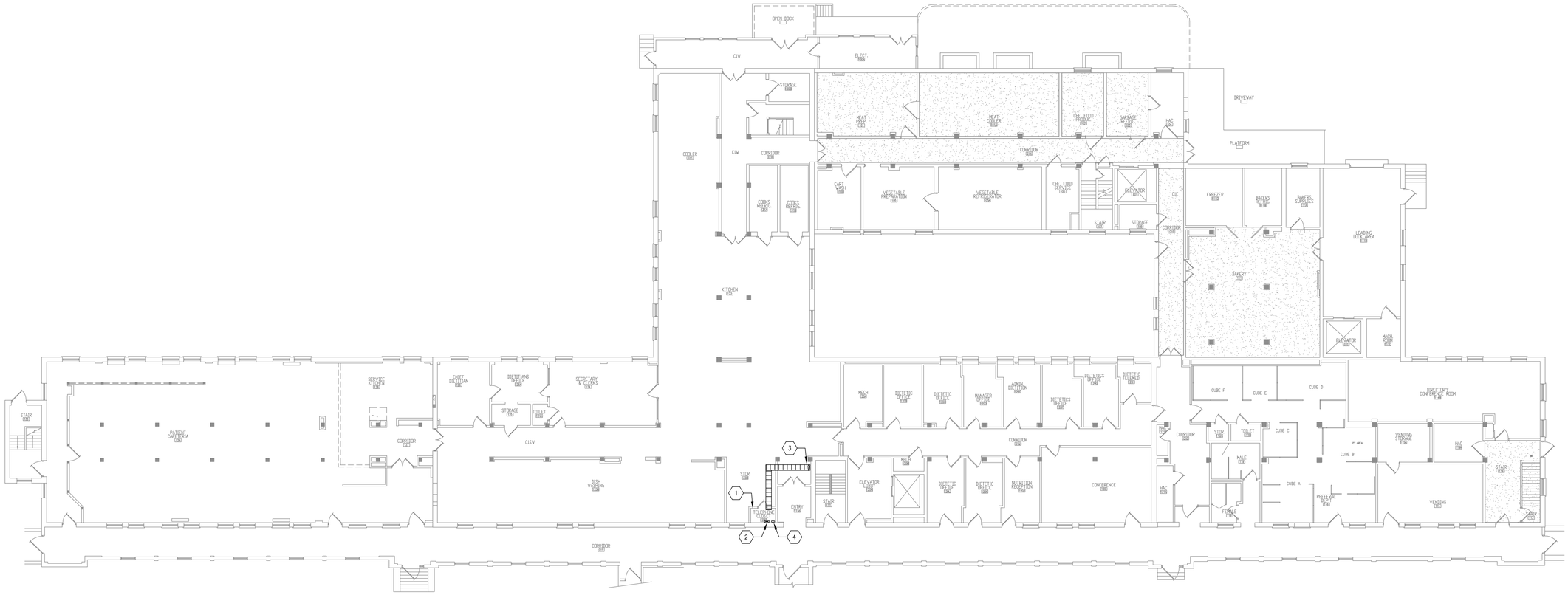

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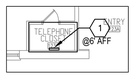
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 123C.
2. EXISTING THREE (3) 4" CONDUITS FROM BASEMENT LEVEL TELECOM ROOM. MIDDLE CONDUIT IS EMPTY, USE THIS CONDUIT FOR CABLING BETWEEN BASEMENT LEVEL TELECOM AND FIRST FLOOR TELECOM/DATA ROOMS.
3. EXISTING CABLE TRAY ABOVE CEILING RAN TO THREE (3) 4" CONDUITS THROUGH CEILING TO SECOND FLOOR TELECOM/DATA ROOM. MIDDLE CONDUIT IS EMPTY, USE THIS CABLE TRAY AND CONDUIT FOR CABLING BETWEEN FIRST FLOOR AND SECOND FLOOR TELECOM/DATA ROOMS.
4. PROVIDE TWO (2) 4" CONDUITS FROM FIRST FLOOR TELECOM/DATA ROOM TO THE CABLE TRAY LOCATED IN THE STEAM TUNNEL BELOW.

N 1 CP4-1 BUILDING 4 CABLING PLAN - FIRST FLOOR

SCALE = 3/32"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP4-1 IT PLAN - ROOM 123C

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: BUILDING 4 CABLING PLAN - FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

BUILDING No	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

DATE	12.03.14
PLOT SCALE	AS NOTED
PROJECT No.	655-13-240
CAD FILE	XXX
DRAWING No.	CP4-1

St. Cloud VA Health Care System
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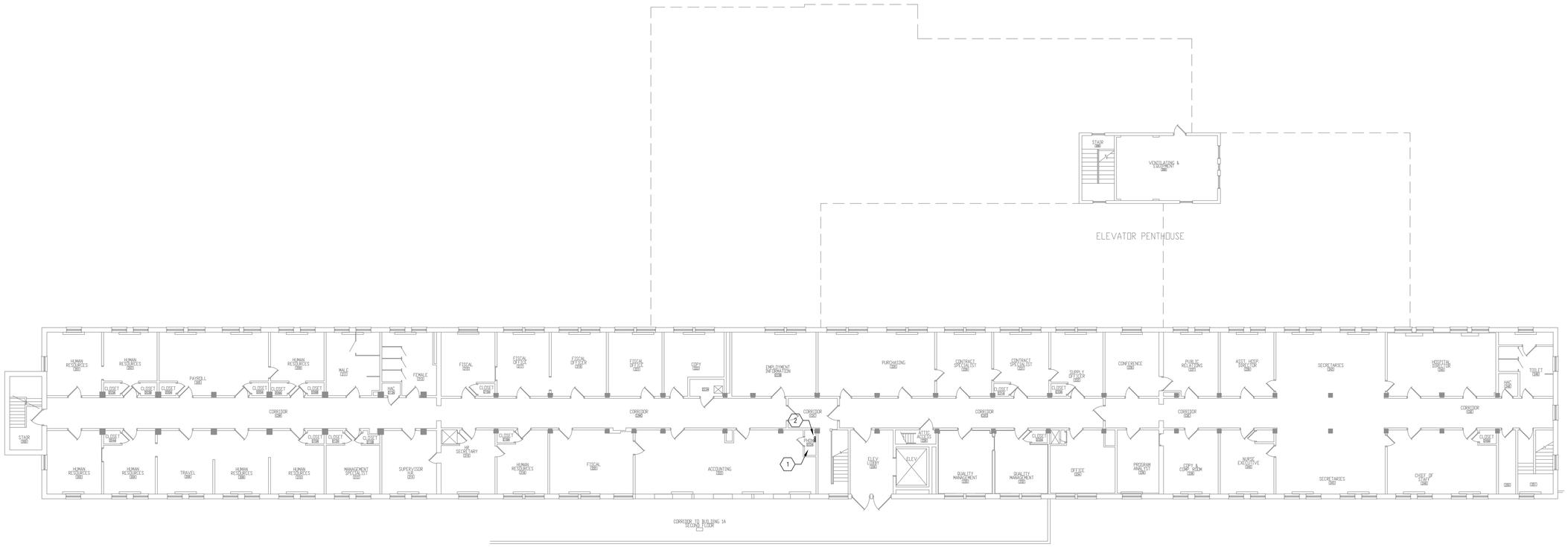


GENERAL NOTES

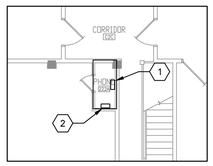
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 222A.
2. EXISTING THREE (3) 4" CONDUITS FROM FIRST FLOOR TELECOM/DATA ROOM. MIDDLE CONDUIT IS EMPTY, USE THIS CONDUIT FOR CABLING BETWEEN FIRST FLOOR AND SECOND FLOOR TELECOM/DATA ROOMS.

N 1 CP4-2 BUILDING 4 CABLING PLAN - SECOND FLOOR

SCALE = 3/32"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW WALL MOUNTED FIBER OPTIC PATCH PANELS AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP4-2 IT PLAN - ROOM 222A

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 4 CABLING PLAN - SECOND FLOOR & ATTIC PLAN

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING No: CP4-2

St. Cloud VA Health Care System
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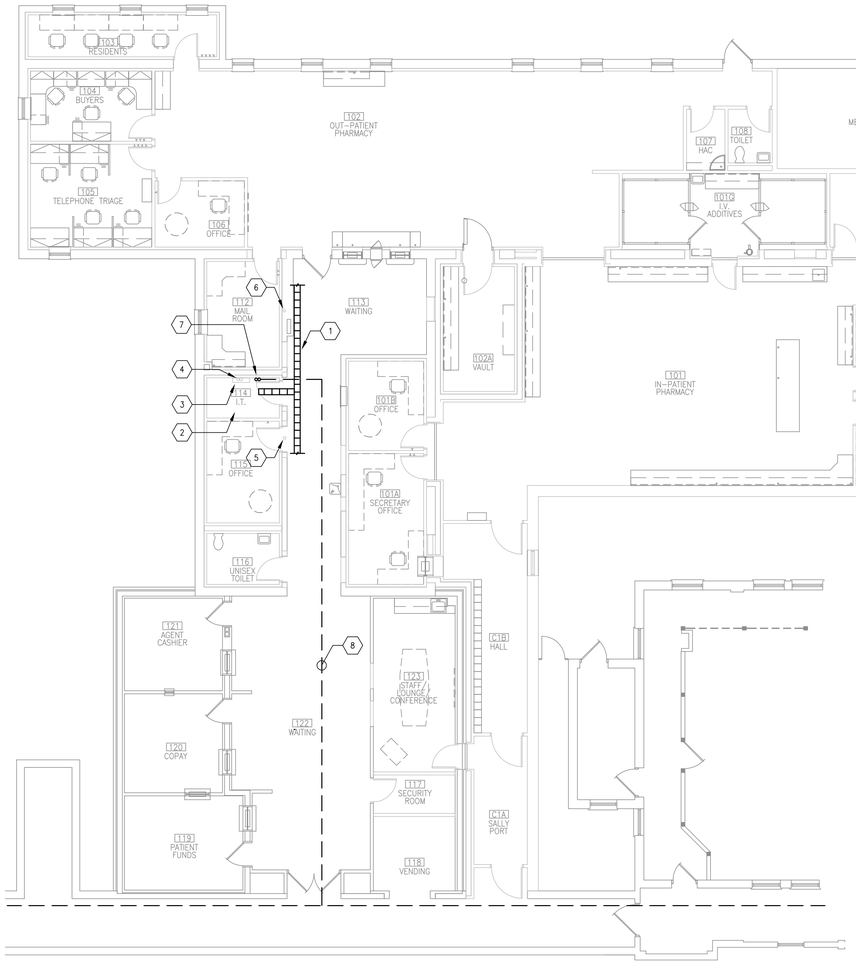

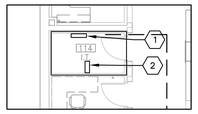

GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS BELOW EXISTING COPPER CABINET AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

IT PLAN - ROOM 114

N 3 CP5-0.1 SCALE = 1/8"=1'-0"

GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY ABOVE CEILING. REMOVE EXISTING CABLING AFTER NEW SYSTEM IS OPERATING.
2. EXISTING TELECOM/DATA ROOM 114.
3. EXISTING WALL MOUNTED DATA CABINET/RACK.
4. EXISTING 4" CONDUITS STUBBED THROUGH ACT CEILING.
5. EXISTING 4" TELEPHONE CABLING CONDUIT THROUGH FLOOR AND RAN INTO WALL STUBBED OUT ABOVE THE ACT CEILING.
6. EXISTING 2" FIBER CABLING CONDUIT THROUGH FLOOR AND RAN INTO WALL STUBBED OUT ABOVE THE ACT CEILING.
7. PROVIDE TWO (2) NEW 4" CONDUITS THROUGH FLOOR INTO CRAWL SPACE BELOW TO BE USED FOR NEW CABLING.
8. DASHED LINE REPRESENTS APPROXIMATE PATH OF EXISTING CABLE TRAY IN FOUNDATION SPACE OF BUILDING 5.

BUILDING 5 CABLING PLAN - FIRST FLOOR

N 2 CP5-0.1 SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: BUILDING 5 CABLING PLANS BASEMENT AND FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No.	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE	12.03.14
PLOT SCALE	AS NOTED
PROJECT No.	655-13-240
CAD FILE	XXX
DRAWING NO.	CP5-0.1

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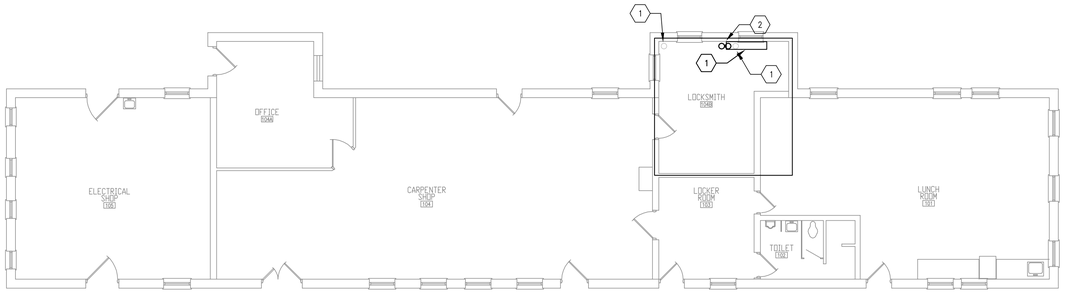


GENERAL NOTES

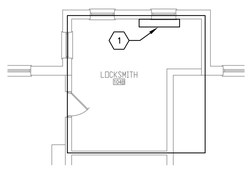
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

X KEYNOTES

1. EXISTING CABLING CONDUIT TO STEAM TUNNEL. CAP AND SEAL CONDUITS AFTER EXISTING CABLING HAS BEEN REMOVED.
2. PROVIDE TWO (2) NEW 4" CONDUITS THROUGH FLOOR INTO STEAM TUNNEL BELOW.

N 1 CP6-1 BUILDING 6 CABLING PLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

X KEYNOTES

1. PROVIDE NEW FIBER OPTIC PATCH PANEL IN EXISTING WALL MOUNTED EQUIPMENT CABINET AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP6-1 IT PLAN - ROOM 104B

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: BUILDING 6 CABLING PLANS FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

BUILDING No	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

DATE	12.03.14
PLOT SCALE	AS NOTED
PROJECT NO.	655-13-240
CAD FILE	XXX
DRAWING NO.	CP6-1

St. Cloud VA Health Care System
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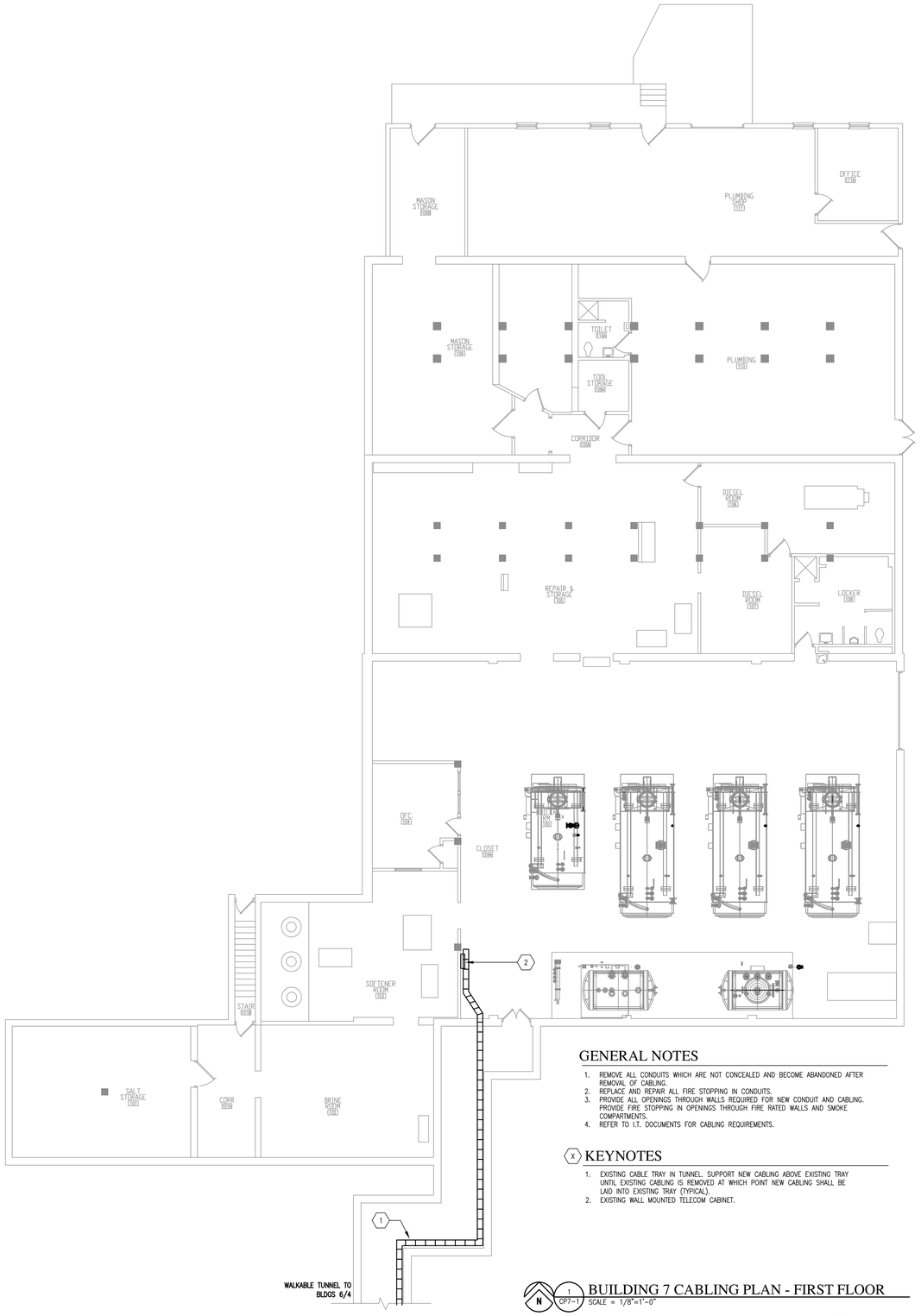

GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING WALL MOUNTED TELECOM CABINET.

N — 1 / CP7-1

BUILDING 7 CABLING PLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"

NORTH

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: BUILDING 7 CABLING PLAN FIRST FLOOR

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

APPROVED: PROJECT DIRECTOR — DATE:

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING No: CP7-1

St. Cloud VA Health Care System
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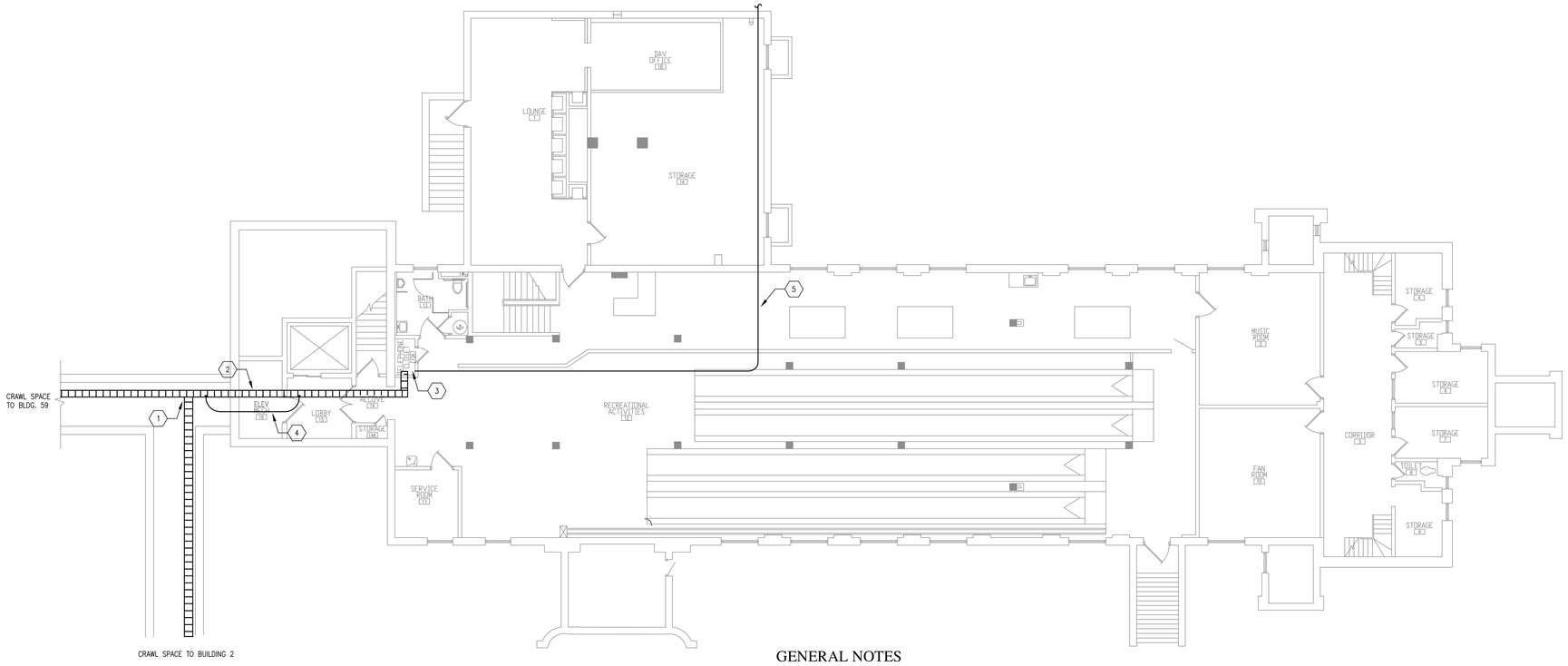


GENERAL NOTES

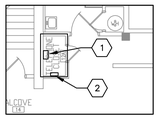
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING CABLE TRAY IS RAN FROM TUNNEL THROUGH AN ELEVATOR EQUIPMENT ROOM. EXISTING CABLE TRAY SHALL NOT BE USED WHERE IT IS RAN IN THE ELEVATOR EQUIPMENT ROOM.
3. EXISTING TELECOM/DATA ROOM 12A.
4. PROVIDE TWO (2) 4" CONDUITS FROM CABLE TRAY IN TUNNEL TO CABLE TRAY ON OTHER SIDE OF ELEVATOR EQUIPMENT ROOM. SECURE CONDUITS TO CEILING OF CRAWL SPACE AND BASEMENT LEVEL CEILING.
5. EXISTING 1200 PAIR COPPER CABLE TO EAST CAMPUS BUILDINGS RAN ABOVE CEILING AND OUT EXTERIOR WALL. REFER TO I.T. DOCUMENTS FOR FURTHER INFORMATION.

N 1 CP8-0 BUILDING 8 CABLING PLAN - BASEMENT

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW WALL MOUNTED FIBER OPTIC PATCH PANELS. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP8-0 IT PLAN - ROOM 12A

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — REG. NO. MN 46184
DATE: 12-03-14

DRAWING TITLE: BUILDING 8 CABLING PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO.: CP8-0

St. Cloud VA Health Care System
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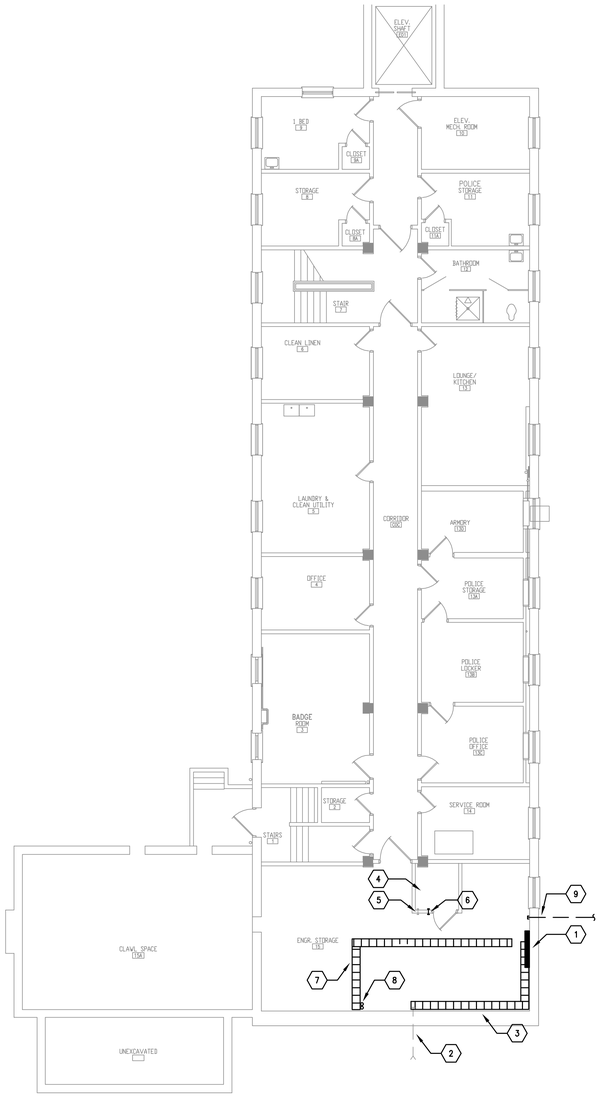
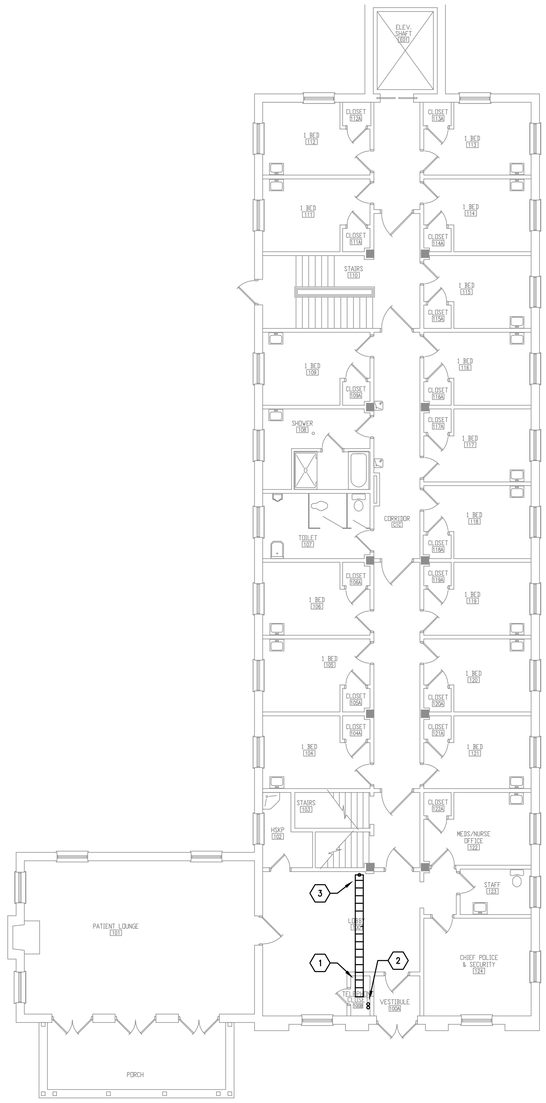
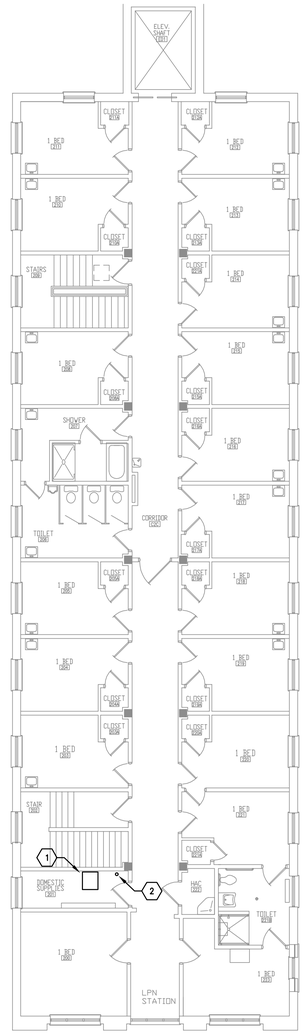
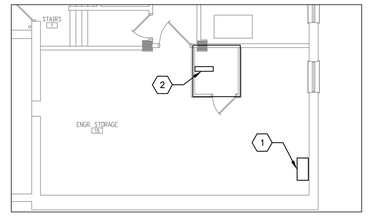








GENERAL NOTES

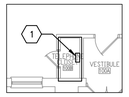
1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. TERMINATE NEW COPPER BACKBONE CABLES IN EXISTING LIGHTNING PROTECTOR ENCLOSURE AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

(N) 4 CP9-0.1.2 IT PLAN - ROOM 15

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

(N) 5 CP9-0.1.2 IT PLAN - ROOM 100B

SCALE = 1/8"=1'-0"

GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. LOCATION OF EXISTING TELEPHONE LIGHTNING ARRESTORS.
2. EXISTING TWO (2) 3" CONDUIT SLEEVES THROUGH WALL WITH EXISTING TELEPHONE CABLING TO LIGHTING ARRESTORS.
3. EXISTING CABLE TRAY MOUNTED APPROXIMATELY 2' ABOVE FLOOR.
4. EXISTING TELECOM/DATA ROOM.
5. EXISTING SLEEVE THROUGH WALL FOR EXISTING CABLING.
6. PROVIDE NEW 4" SLEEVE THROUGH WALL FOR NEW CABLING. FILL OPENINGS WITH FIRE STOP MATERIAL AFTER NEW CABLING HAS BEEN PROVIDED.
7. EXISTING CABLE TRAY MOUNTED NEAR CEILING MAY BE USED FOR NEW CABLING.
8. EXISTING TWO (2) 4" CONDUITS THROUGH FLOOR TO FIRST FLOOR TELECOM ROOM. ONE CONDUIT IS EMPTY AND SHALL BE USED FOR NEW CABLING.
9. NEW UNDERGROUND CONDUIT TO BUILDING 111 CRAWL SPACE FOR NEW FIBER CABLING. PROVIDE CONDUIT SEAL AND SEAL OPENING THROUGH WALL TO PREVENT MOISTURE LEAKING INTO BUILDING.

(N) 1 CP9-0.1.2 BUILDING 9 CABLING PLAN - BASEMENT

SCALE = 1/8"=1'-0"

GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 100B.
2. EXISTING TWO (2) 4" CONDUITS THROUGH FLOOR TO BASEMENT LEVEL. ONE CONDUIT IS EMPTY AND SHALL BE USED FOR NEW CABLING.
3. EXISTING CABLE TRAY RAN ABOVE ACT CEILING TO ONE (1) 4" CONDUIT THROUGH FLOOR TO SECOND FLOOR TELECOM ROOM. CONDUIT HAS ADEQUATE SPACE TO BE USED FOR NEW CABLING.

(N) 2 CP9-0.1.2 BUILDING 9 CABLING PLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"

GENERAL NOTES

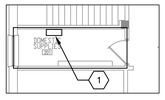
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. LOCATION OF WALL MOUNTED DATA CABINET.
2. EXISTING ONE (1) 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR.

(N) 3 CP9-0.1.2 BUILDING 9 CABLING PLAN - SECOND FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

(N) 6 CP9-0.1.2 IT PLAN - ROOM 201

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — REG. NO. MN 46184
DATE: 12-03-14

DRAWING TITLE: BUILDING 9 CABLING PLAN - BASEMENT, FIRST AND SECOND FLOORS

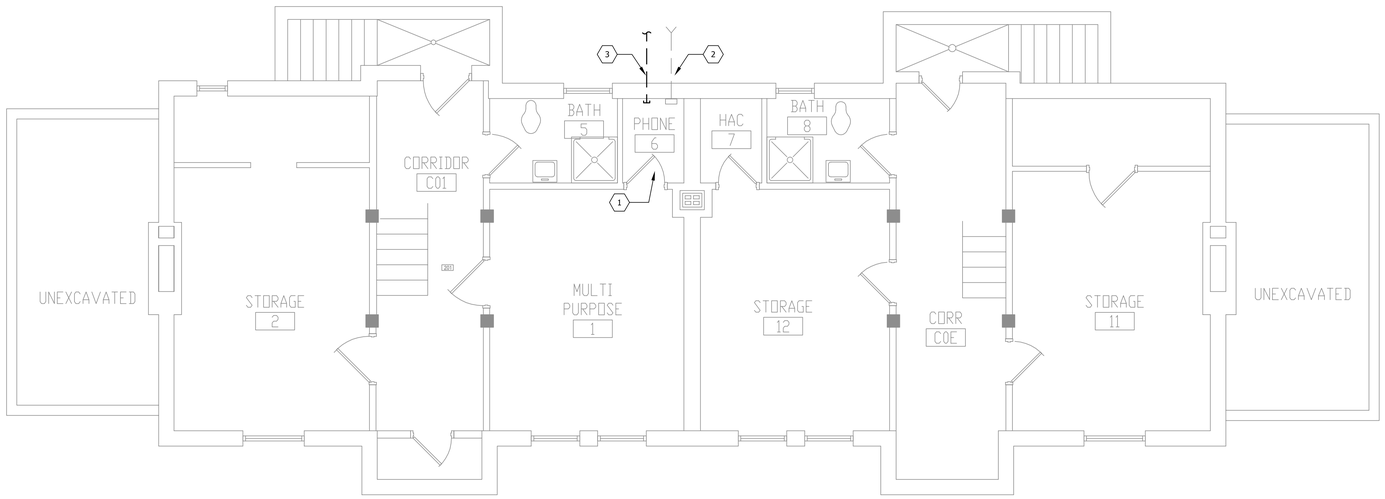
APPROVED: PROJECT DIRECTOR — DATE

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
BUILDING No.: AS NOTED | CHECKED BY: ARM | DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO.: CP9-0.1.2

St. Cloud VA Health Care System
Brainerd | Montevideo | Alexandria

VA FORM 08-6231



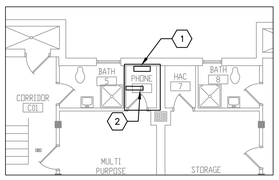
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

X KEYNOTES

1. EXISTING TELECOM/DATA ROOM 006.
2. EXISTING UNDERGROUND TELEPHONE CABLING INTO EXISTING JUNCTION BOX. REMOVE JUNCTION BOX AND SEAL CONDUIT AFTER EXISTING CABLING HAS BEEN REMOVED.
3. ONE (1) NEW 2" CONDUIT TO NEW DATA HANDHOLE EAST OF BUILDING 10. PROVIDE CONDUIT SEAL AND SEAL OPENING THROUGH WALL TO PREVENT MOISTURE LEAKING INTO BUILDING.

N 1 CP10-0 BUILDING 10 CABLING PLAN - BASEMENT
SCALE = 1/4"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

X KEYNOTES

1. PROVIDE NEW 50 PAIR TO BUILDING ENTRANCE TERMINAL. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP10-0 IT PLAN - ROOM 6
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: BUILDING 10 CABLING PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR — DATE

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING NO: CP10-0

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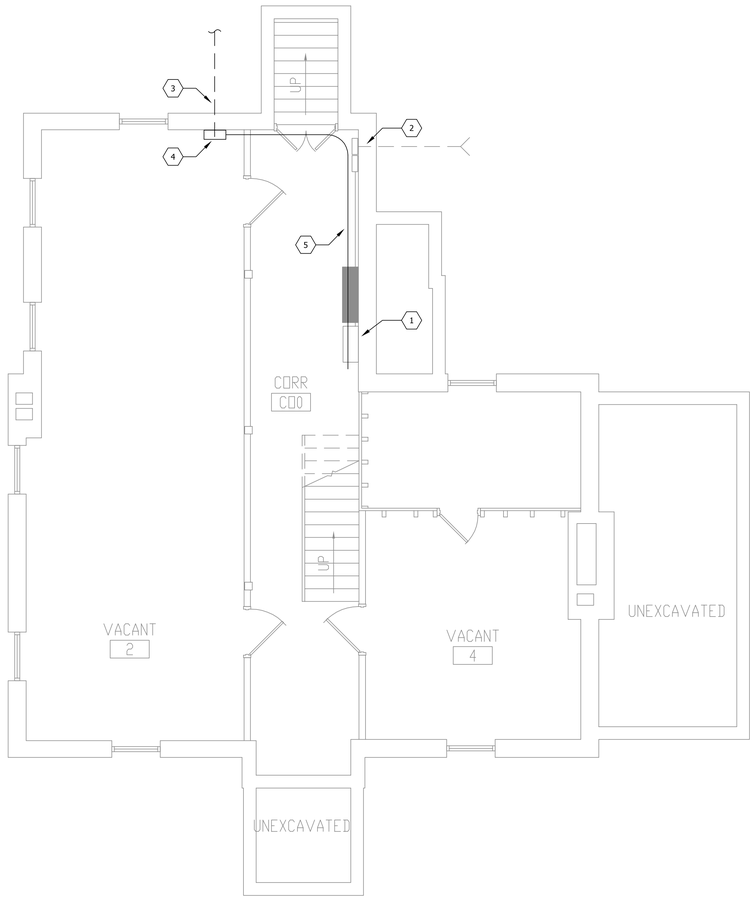


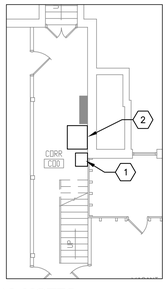
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELEPHONE AND DATA TERMINATION CABINET.
2. EXISTING UNDERGROUND CABLING RAN TO WALL MOUNTED JUNCTION BOX. EXISTING CONDUIT IS RAN FROM JUNCTION BOX TO TELEPHONE AND DATA TERMINATION CABINET.
3. ONE (1) 2" UNDERGROUND CONDUIT FOR NEW FIBER CABLING TO NEW HANDHOLE EAST OF BUILDING 10.
4. PROVIDE NEW WALL MOUNTED JUNCTION BOX. SEAL CONDUIT OPENINGS AND OPENING THROUGH WALL TO PREVENT MOISTURE LEAKING INTO THE BUILDING.
5. PROVIDE ONE (1) 2" CONDUIT MOUNTED ON THE WALL NEAR THE CEILING TO CABLING TERMINATION POINT.

N 1 CP11-0 BUILDING 11 CABLING PLAN - BASEMENT
SCALE = 1/4"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 50 PAIR TO BUILDING ENTRANCE TERMINAL. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANEL IN EXISTING WALL MOUNTED EQUIPMENT CABINET AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP11-0 IT PLAN - BASEMENT CORRIDOR
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: BUILDING 11 CABLING PLAN - BASEMENT

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240

APPROVED: PROJECT DIRECTOR — DATE:

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB | CAD FILE: XXX

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP11-0

St. Cloud VA Health Care System
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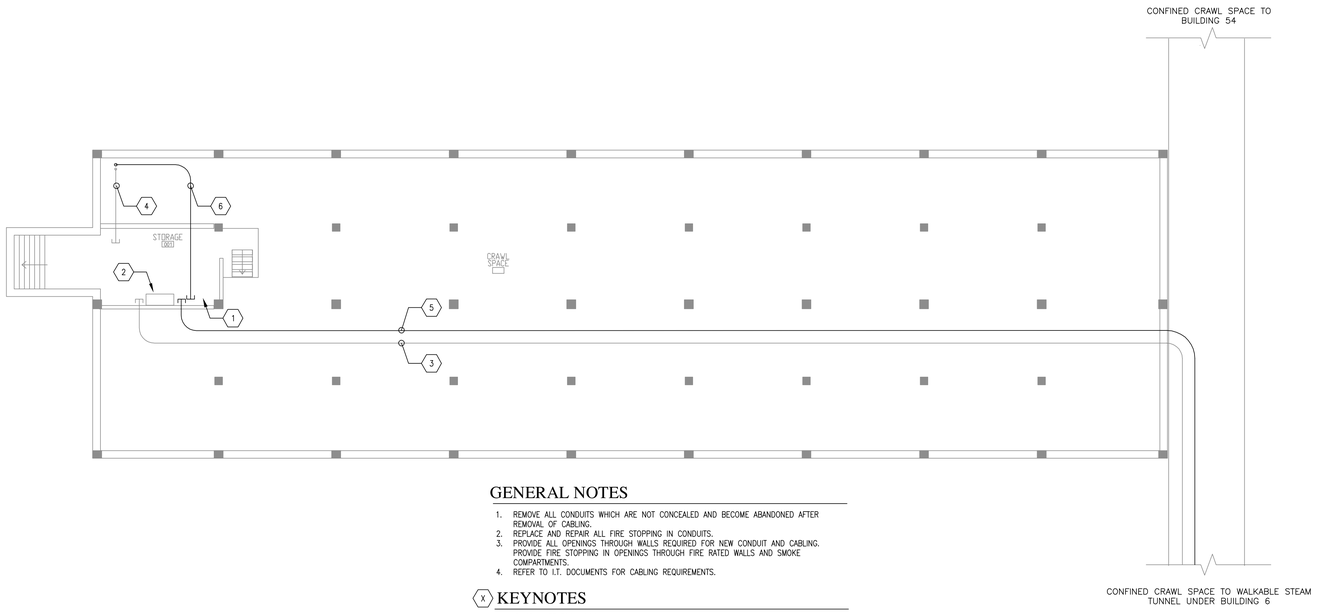


GENERAL NOTES

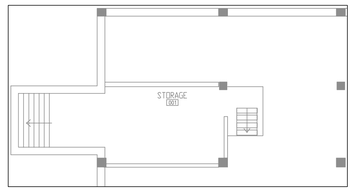
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 001.
2. EXISTING TELECOM CABINET.
3. EXISTING 2" TELECOM AND FIBER CABLING CONDUIT.
4. EXISTING 1" FIBER CONDUIT TO DATA ROOM ABOVE.
5. PROVIDE ONE (1) NEW 4" CONDUIT TO EXISTING CABLE TRAY IN WALKABLE STEAM TUNNEL NEAR BUILDING 6.
6. PROVIDE NEW 1.5"C FOR NEW FIBER CABLING UP TO DATA ROOM ABOVE.

1 / CP14-0.1 BUILDING 14 CABLING PLAN - BASEMENT

SCALE = 1/8"=1'-0"

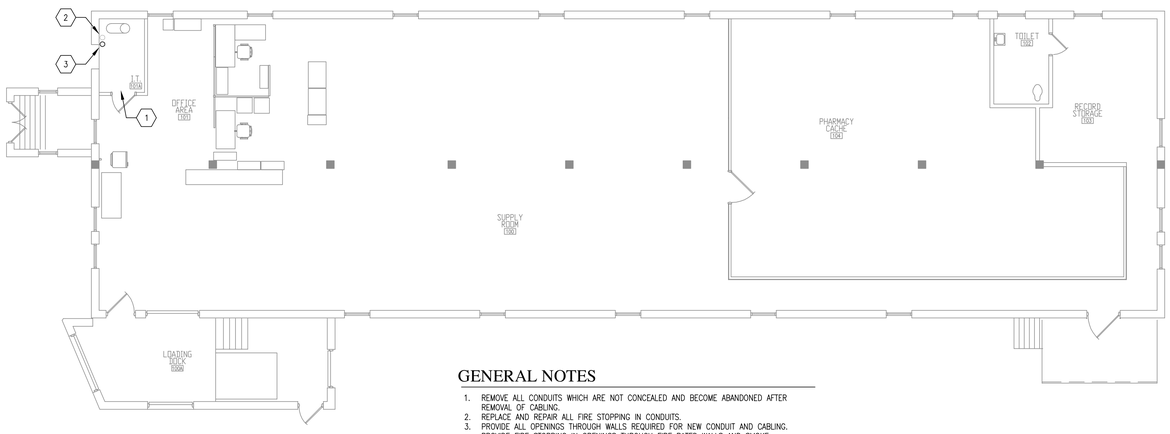


GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

3 / CP14-0.1 IT PLAN - ROOM 001

SCALE = 1/8"=1'-0"



GENERAL NOTES

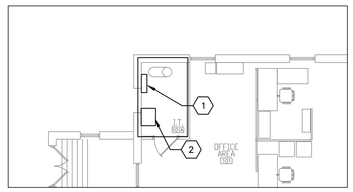
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING DATA ROOM 101A.
2. EXISTING 1" FIBER CONDUIT FROM TELECOM ROOM BELOW.
3. PROVIDE ONE (1) NEW 1.5"C FOR NEW FIBER CABLING THROUGH FLOOR TO TELECOM ROOM BELOW.

2 / CP14-0.1 BUILDING 14 CABLING PLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT DESIGNATED HEIGHT AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW WALL MOUNTED FIBER OPTIC PATCH PANELS AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

4 / CP14-0.1 IT PLAN - ROOM 101A

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184
REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 14 CABLING PLANS - BASEMENT & FIRST FLOORS

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING No: CP14-0.1

St. Cloud VA Health Care System
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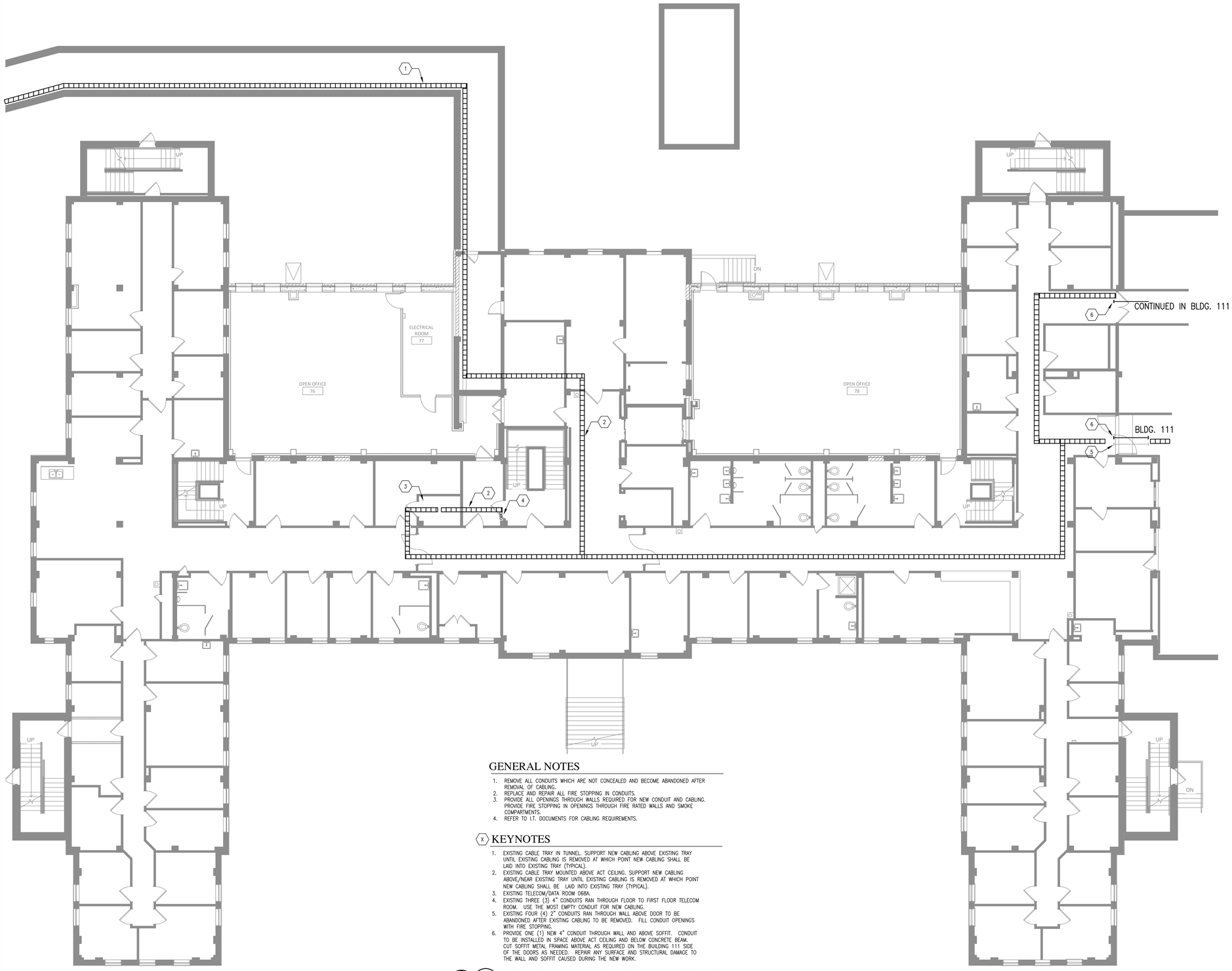


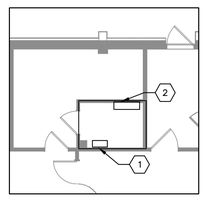
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING CABLE TRAY MOUNTED ABOVE ACT CEILING. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
3. EXISTING TELECOM/DATA ROOM 068A.
4. EXISTING THREE (3) 4" CONDUITS RAN THROUGH FLOOR TO FIRST FLOOR TELECOM ROOM. USE THE MOST EMPTY CONDUIT FOR NEW CABLING.
5. EXISTING FOUR (4) 2" CONDUITS RAN THROUGH WALL ABOVE DOOR TO BE ABANDONED AFTER EXISTING CABLING TO BE REMOVED. FILL CONDUIT OPENINGS WITH FIRE STOPPING.
6. PROVIDE ONE (1) NEW 4" CONDUIT THROUGH WALL AND ABOVE SOFFIT. CONDUIT TO BE INSTALLED IN SPACE ABOVE ACT CEILING AND BELOW CONCRETE BEAM. CUT SOFFIT METAL FRAMING MATERIAL AS REQUIRED ON THE BUILDING 111 SIDE OF THE DOORS AS NEEDED. REPAIR ANY SURFACE AND STRUCTURAL DAMAGE TO THE WALL AND SOFFIT CAUSED DURING THE NEW WORK.

N 1 CP28-0 BUILDING 28 CABLING PLAN - BASEMENT
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW WALL MOUNTED FIBER OPTIC PATCH PANELS AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP28-0 IT PLAN - ROOM 068A
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184
DATE: 12-09-14 — REG. NO.

DRAWING TITLE: BUILDING 28 CABLING PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
PLOT DATE: XXX
DRAWING NO: CP28-0

St. Cloud VA Health Care System
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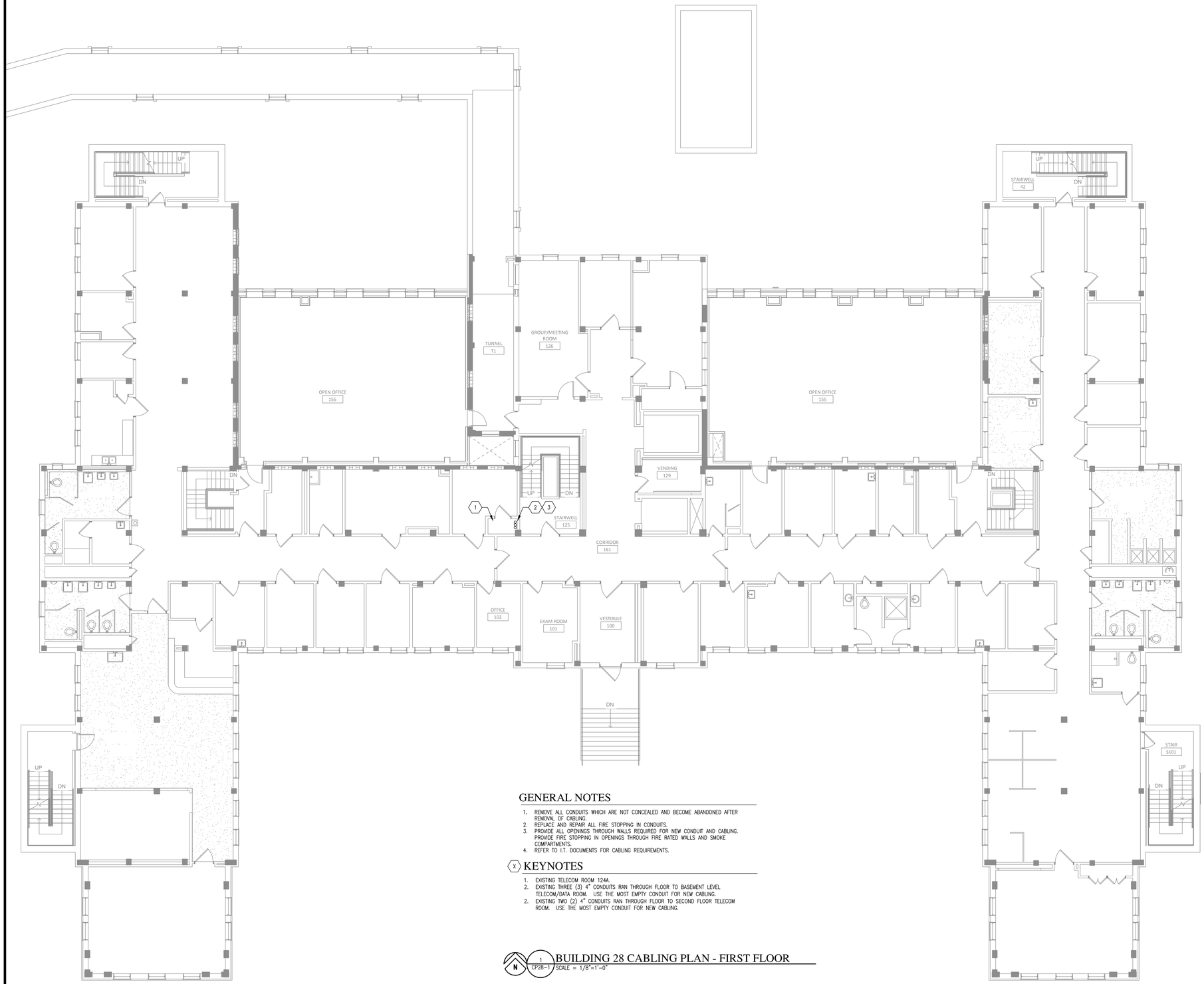

GENERAL NOTES

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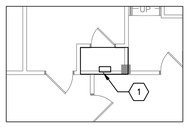
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 124A.
2. EXISTING THREE (3) 4" CONDUITS RAN THROUGH FLOOR TO BASEMENT LEVEL TELECOM/DATA ROOM. USE THE MOST EMPTY CONDUIT FOR NEW CABLING.
2. EXISTING TWO (2) 4" CONDUITS RAN THROUGH FLOOR TO SECOND FLOOR TELECOM ROOM. USE THE MOST EMPTY CONDUIT FOR NEW CABLING.

1 / CP28-1 BUILDING 28 CABLING PLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

2 / CP28-1 IT PLAN - ROOM 124A

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron K. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: BUILDING 28 CABLING PLAN - FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

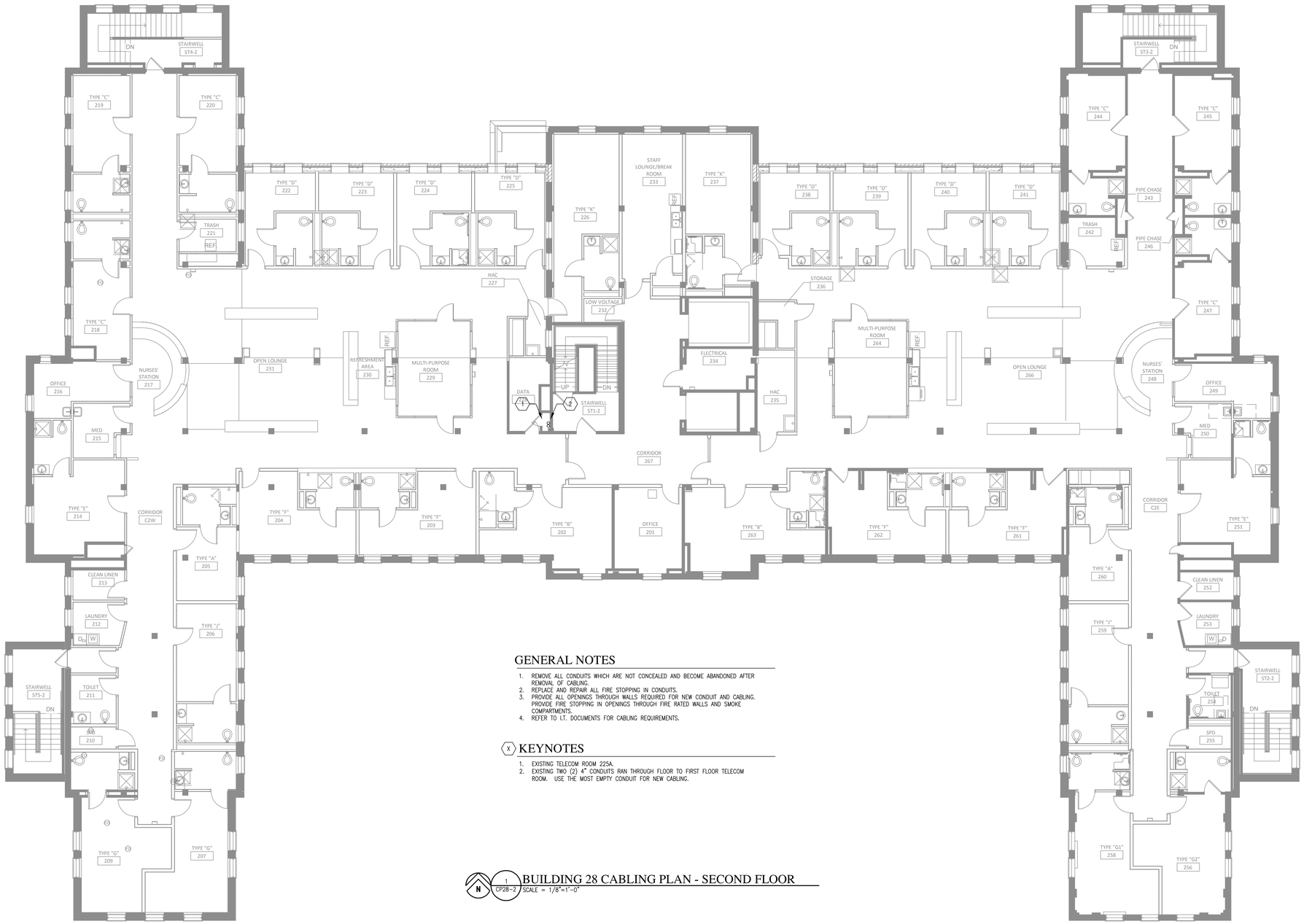
BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
CAD FILE: XXX
DRAWING NO.: CP28-1

St. Cloud VA Health Care System
Brainerd | Montevideo | Alexandria

VA FORM 08-6231



GENERAL NOTES

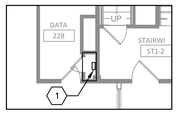
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 225A.
2. EXISTING TWO (2) 4" CONDUITS RAN THROUGH FLOOR TO FIRST FLOOR TELECOM ROOM. USE THE MOST EMPTY CONDUIT FOR NEW CABLING.

(N) 1 CP28-2 BUILDING 28 CABLING PLAN - SECOND FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

(N) 2 CP28-2 IT PLAN - ROOM 225A

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 28 CABLING PLAN - SECOND FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No.	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE	12.03.14
PLOT SCALE	AS NOTED
PROJECT NO.	655-13-240
CAD FILE	XXX
DRAWING NO.	CP28-2

St. Cloud VA Health Care System
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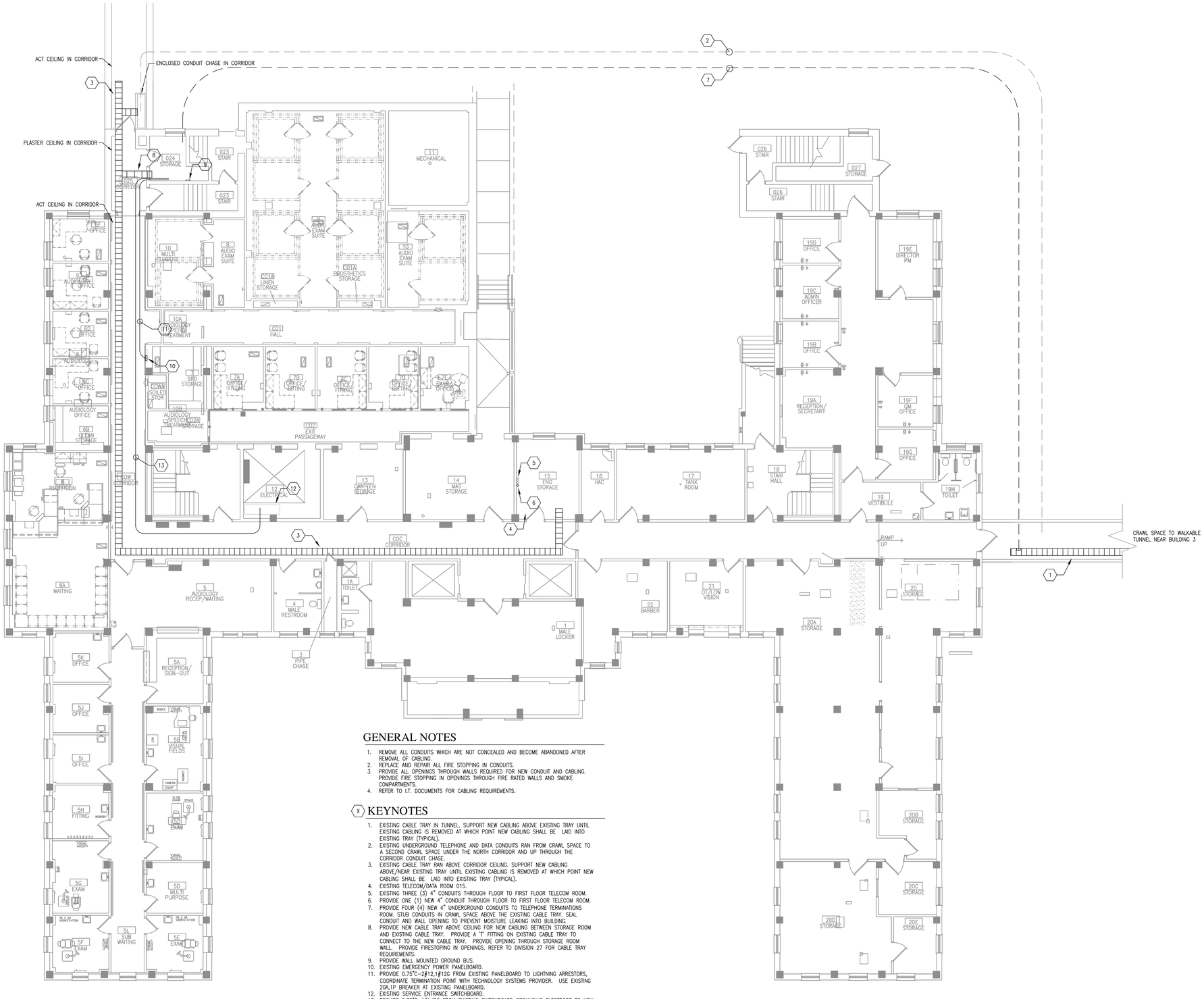


GENERAL NOTES

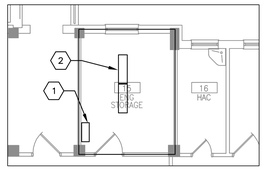
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING UNDERGROUND TELEPHONE AND DATA CONDUITS RAN FROM CRAWL SPACE TO A SECOND CRAWL SPACE UNDER THE NORTH CORRIDOR AND UP THROUGH THE CORRIDOR CONDUIT CHASE.
3. EXISTING CABLE TRAY RAN ABOVE CORRIDOR CEILING. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
4. EXISTING TELECOM/DATA ROOM 015.
5. EXISTING THREE (3) 4" CONDUITS THROUGH FLOOR TO FIRST FLOOR TELECOM ROOM.
6. PROVIDE ONE (1) NEW 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR TELECOM ROOM.
7. PROVIDE FOUR (4) NEW 4" UNDERGROUND CONDUITS TO TELEPHONE TERMINATIONS ROOM. STUB CONDUITS IN CRAWL SPACE ABOVE THE EXISTING CABLE TRAY. SEAL CONDUIT AND WALL OPENING TO PREVENT MOISTURE LEAKING INTO BUILDING.
8. PROVIDE NEW CABLE TRAY ABOVE CEILING FOR NEW CABLING BETWEEN STORAGE ROOM AND EXISTING CABLE TRAY. PROVIDE A "T" FITTING ON EXISTING CABLE TRAY TO CONNECT TO THE NEW CABLE TRAY. PROVIDE OPENING THROUGH STORAGE ROOM WALL. PROVIDE FIRESTOPING IN OPENINGS. REFER TO DIVISION 27 FOR CABLE TRAY REQUIREMENTS.
9. PROVIDE WALL MOUNTED GROUND BUS.
10. EXISTING EMERGENCY POWER PANELBOARD.
11. PROVIDE 0.75"C-2#12,1#12G FROM EXISTING PANELBOARD TO LIGHTNING ARRESTORS, COORDINATE TERMINATION POINT WITH TECHNOLOGY SYSTEMS PROVIDER. USE EXISTING 20A,1P BREAKER AT EXISTING PANELBOARD.
12. EXISTING SERVICE ENTRANCE SWITCHBOARD.
13. PROVIDE 0.75"C-1#1/0G FROM EXISTING SWITCHBOARD GROUNDING ELECTRODE TO NEW WALL MOUNTED GROUND BUS.

1 CP29-0 BUILDING 29 CABLING PLAN - BASEMENT

SCALE = 1/8"=1'-0"



GENERAL NOTES

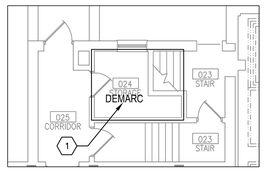
1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 3' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

2 CP29-0 IT PLAN - ROOM 015

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. STUB OUT (3) 4" CONDUITS TO CABLE TRAY IN B29 BASEMENT. STUB OUT (7) 4" CONDUITS TO CABLE TRAY LOCATED IN THE CORRIDOR BETWEEN BUILDING 29 AND BUILDING 48.

3 CP29-0 IT PLAN - ROOM 024

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE
BUILDING 29 CABLING PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE
CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
BUILDING NO: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP29-0

St. Cloud VA Health Care System
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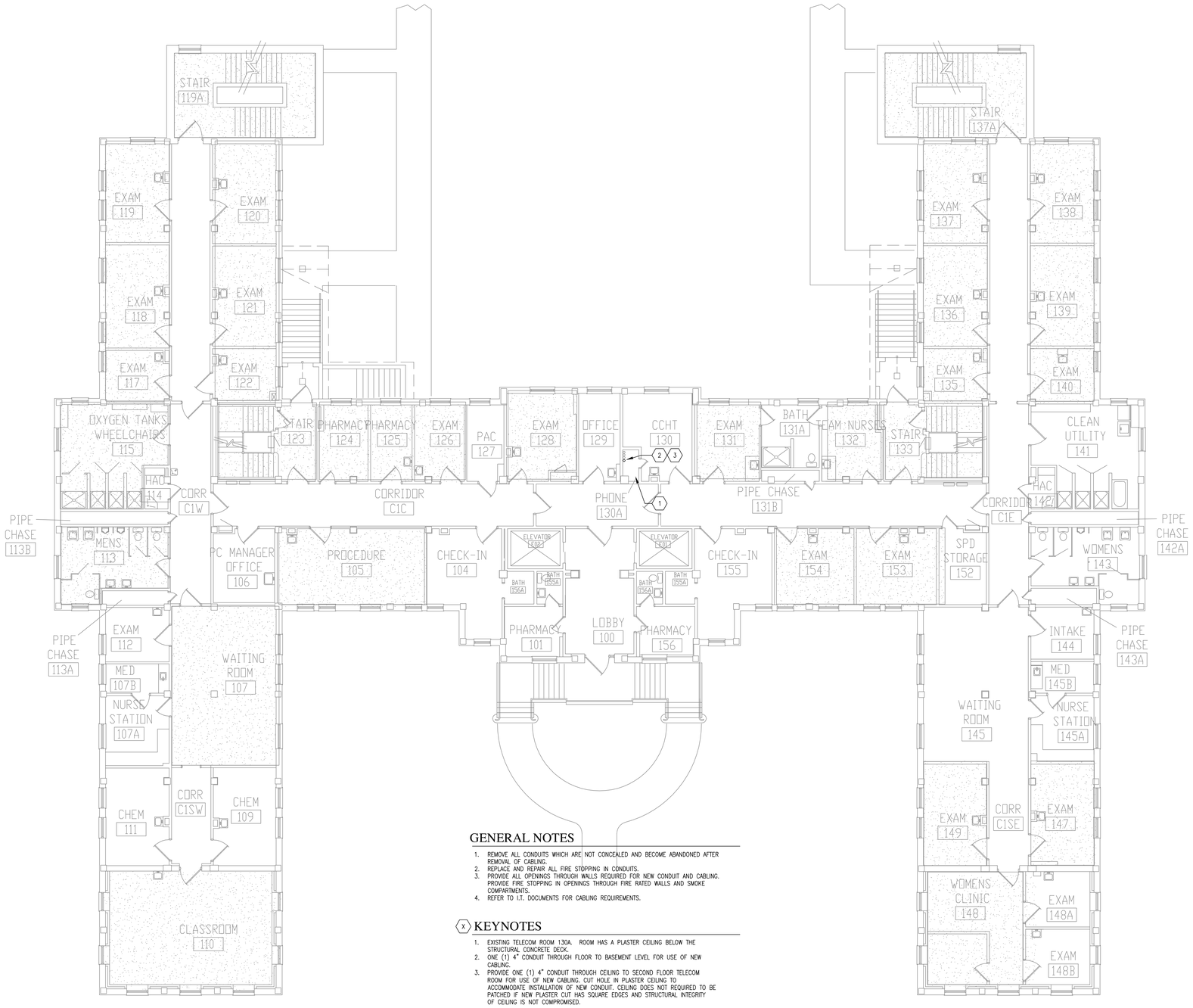


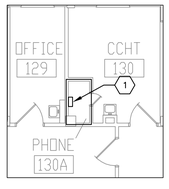
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 130A. ROOM HAS A PLASTER CEILING BELOW THE STRUCTURAL CONCRETE DECK.
2. ONE (1) 4" CONDUIT THROUGH FLOOR TO BASEMENT LEVEL FOR USE OF NEW CABLING.
3. PROVIDE ONE (1) 4" CONDUIT THROUGH CEILING TO SECOND FLOOR TELECOM ROOM FOR USE OF NEW CABLING. CUT HOLE IN PLASTER CEILING TO ACCOMMODATE INSTALLATION OF NEW CONDUIT. CEILING DOES NOT REQUIRED TO BE PATCHED IF NEW PLASTER CUT HAS SQUARE EDGES AND STRUCTURAL INTEGRITY OF CEILING IS NOT COMPROMISED.

N 1 CP29-1 BUILDING 29 CABLING PLAN - FIRST FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP29-1 IT PLAN - ROOM 130A
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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MN 46184
Aaron R. Mueller, PE REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 29 CABLING PLAN - FIRST FLOOR

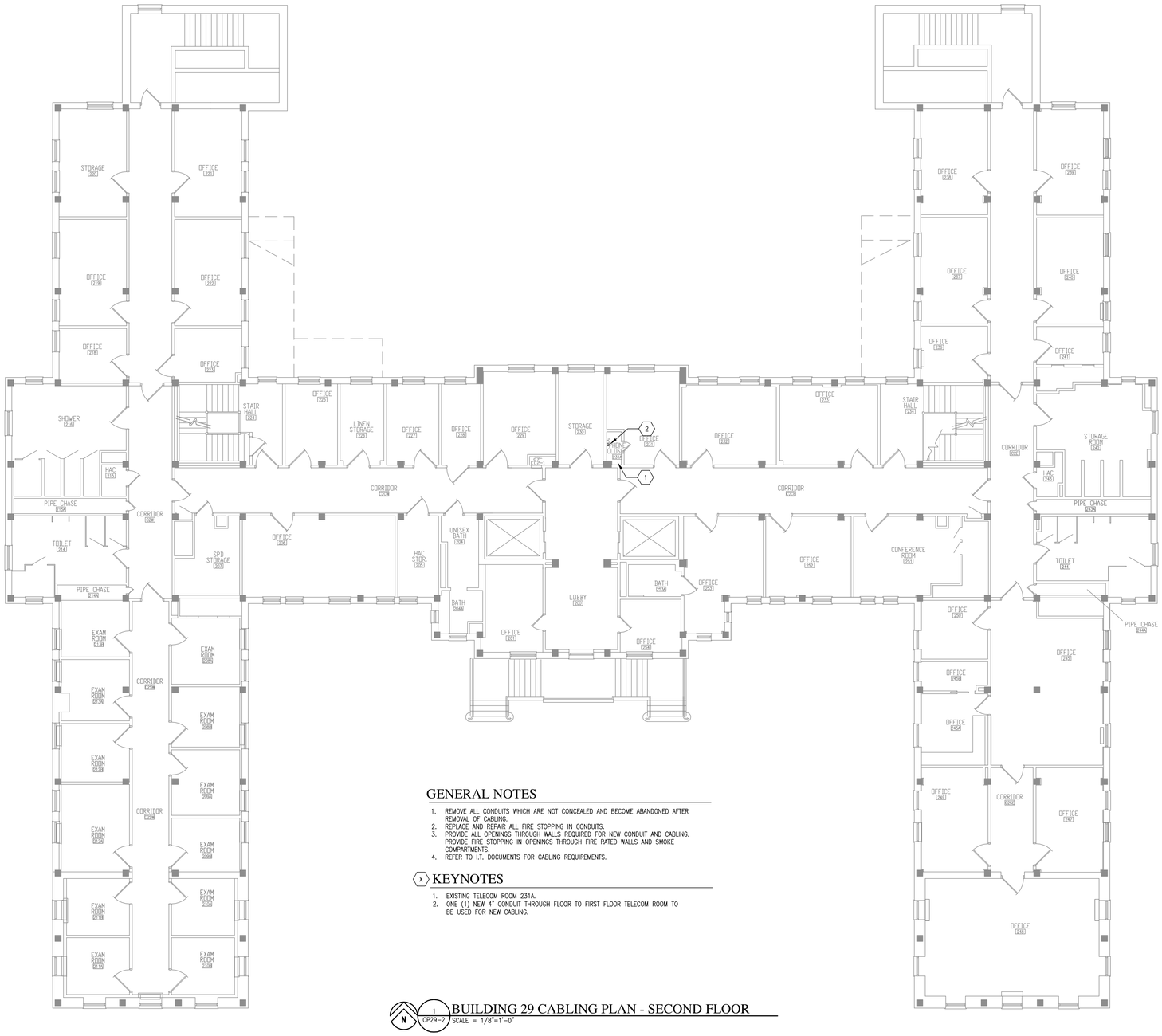
APPROVED: PROJECT DIRECTOR DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303
DRAWING NO.: CP29-1

St. Cloud VA Health Care System
Brainerd | Montevideo | Alexandria

VA FORM 08-6231



GENERAL NOTES

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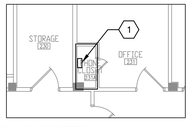
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 231A.
2. ONE (1) NEW 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR TELECOM ROOM TO BE USED FOR NEW CABLING.

N 1 CP29-2 BUILDING 29 CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 3' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP29-2 IT PLAN - ROOM 231A
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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MN 46184
Aaron R. Mueller, PE — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 29 CABLING PLAN - SECOND FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240

BUILDING No	CHECKED BY	DRAWN	CAD FILE
AS NOTED	ARM	RSB	XXX

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP29-2

St. Cloud VA Health Care System
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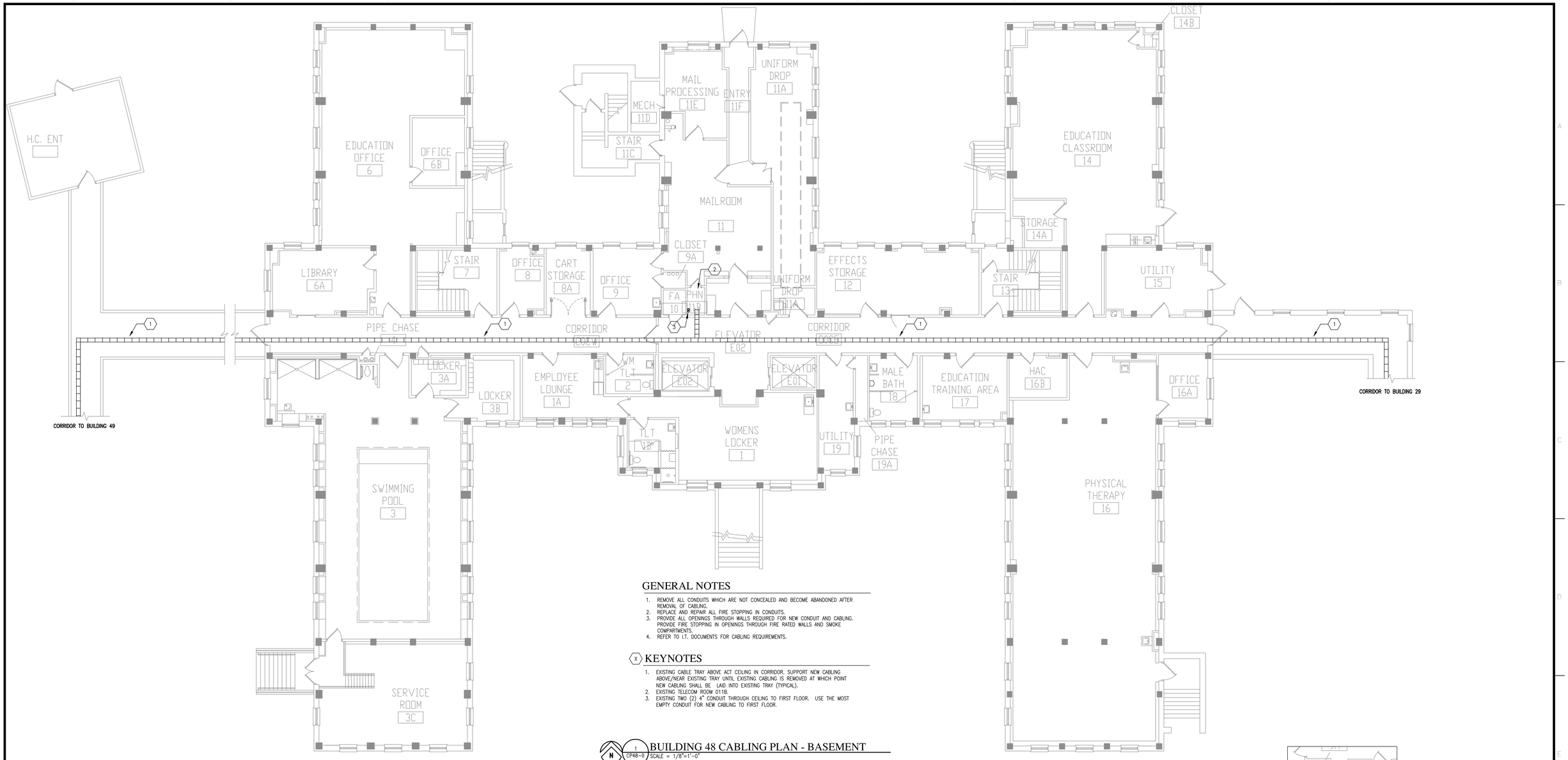


GENERAL NOTES

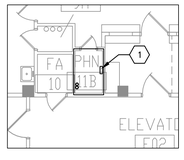
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY ABOVE ACT CEILING IN CORRIDOR. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM ROOM 011B.
3. EXISTING TWO (2) 4" CONDUIT THROUGH CEILING TO FIRST FLOOR. USE THE MOST EMPTY CONDUIT FOR NEW CABLING TO FIRST FLOOR.

N 1 CP48-0 BUILDING 48 CABLING PLAN - BASEMENT

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP48-0 IT PLAN - ROOM 011B

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — MN 46184 REG. NO.
DATE: 12-09-14

DRAWING TITLE: BUILDING 48 CABLING PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP48-0

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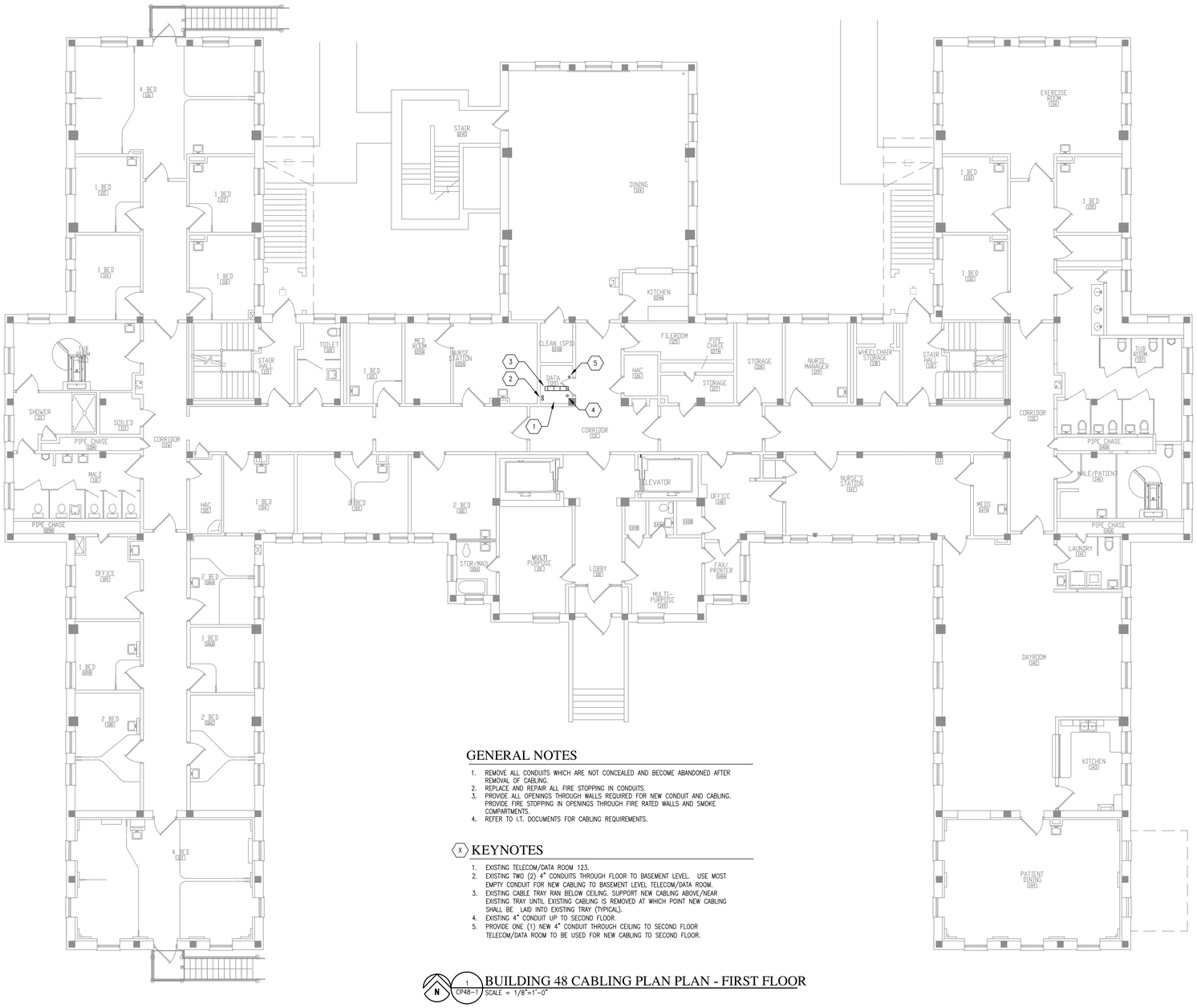


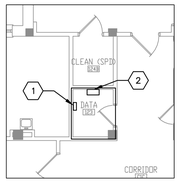
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 123.
2. EXISTING TWO (2) 4" CONDUITS THROUGH FLOOR TO BASEMENT LEVEL. USE MOST EMPTY CONDUIT FOR NEW CABLING TO BASEMENT LEVEL TELECOM/DATA ROOM.
3. EXISTING CABLE TRAY RAN BELOW CEILING. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
4. EXISTING 4" CONDUIT UP TO SECOND FLOOR.
5. PROVIDE ONE (1) NEW 4" CONDUIT THROUGH CEILING TO SECOND FLOOR TELECOM/DATA ROOM TO BE USED FOR NEW CABLING TO SECOND FLOOR.

N 1 CP48-1 BUILDING 48 CABLING PLAN PLAN - FIRST FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW WALL MOUNTED FIBER OPTIC PATCH PANELS AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP48-1 IT PLAN - ROOM 123
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 48 CABLING PLAN - FIRST FLOOR

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

APPROVED: PROJECT DIRECTOR — DATE:

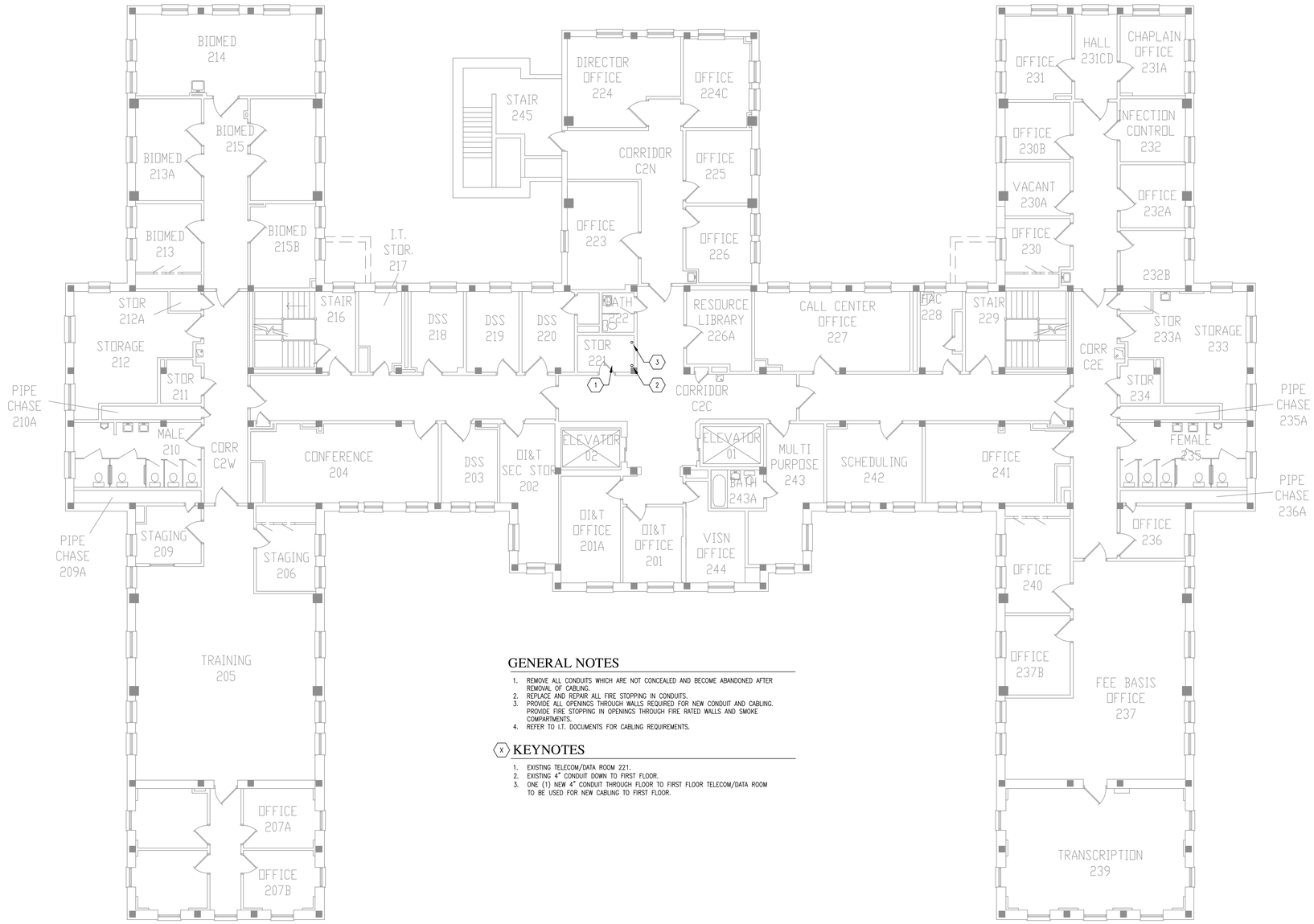
BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING No: CP48-1

St. Cloud VA Health Care System
Brainerd | Montevideo | Alexandria

VA FORM 08-6231



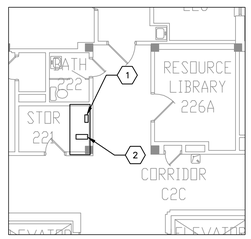
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 221.
2. EXISTING 4" CONDUIT DOWN TO FIRST FLOOR.
3. ONE (1) NEW 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR TELECOM/DATA ROOM TO BE USED FOR NEW CABLING TO FIRST FLOOR.

N 1 CP48-2 BUILDING 48 CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP48-2 IT PLAN - ROOM 221
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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DRAWING TITLE: BUILDING 48 CABLING PLAN - SECOND FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

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DATE: 12.03.14
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LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO: CP48-2

St. Cloud VA Health Care System
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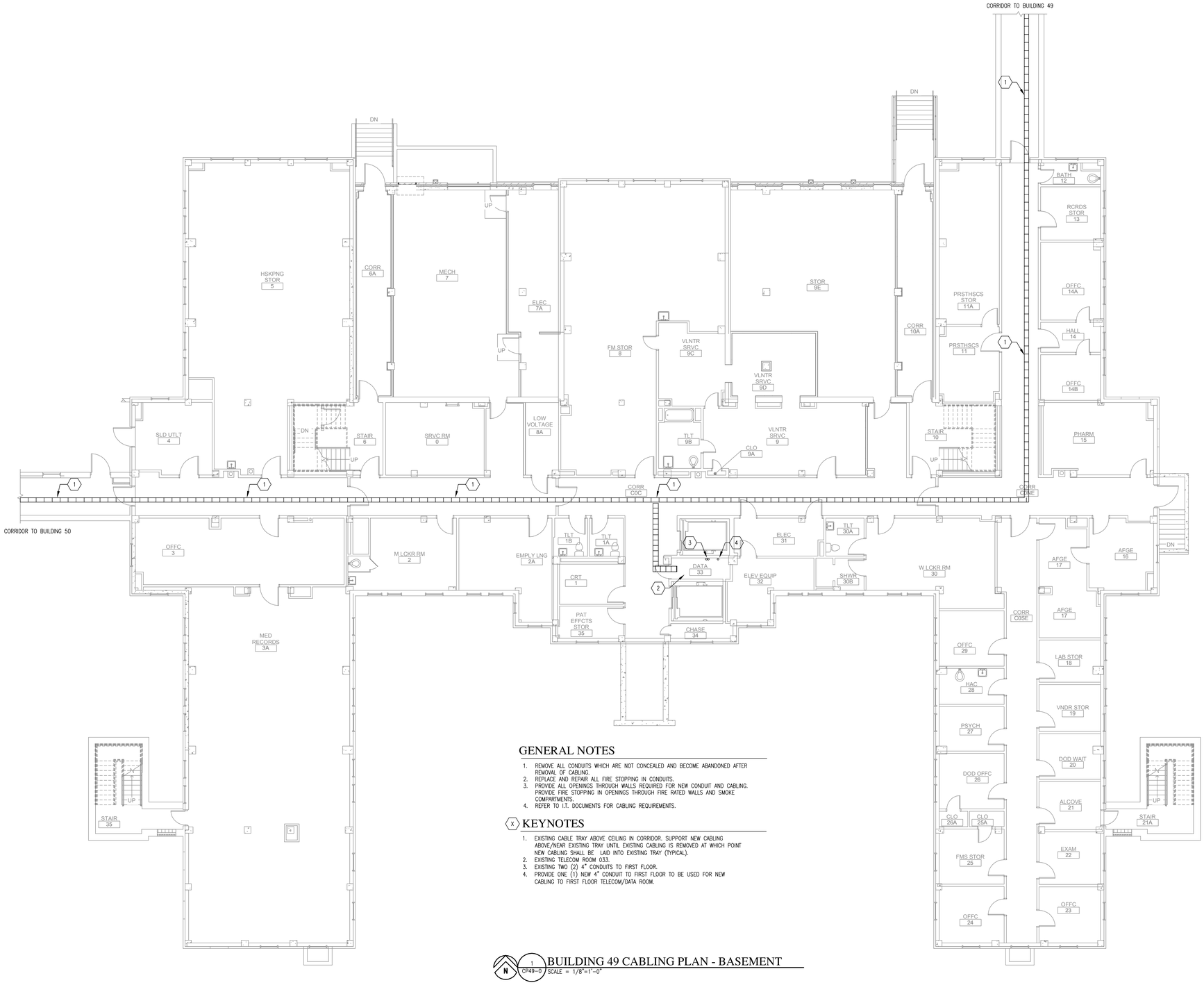

GENERAL NOTES

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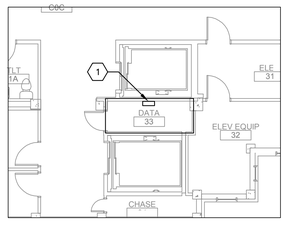
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY ABOVE CEILING IN CORRIDOR. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM ROOM 033.
3. EXISTING TWO (2) 4" CONDUITS TO FIRST FLOOR.
4. PROVIDE ONE (1) NEW 4" CONDUIT TO FIRST FLOOR TO BE USED FOR NEW CABLING TO FIRST FLOOR TELECOM/DATA ROOM.

N 1 CP49-0 BUILDING 49 CABLING PLAN - BASEMENT
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP49-0 IT PLAN - ROOM 033
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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DRAWING NO: CP49-0

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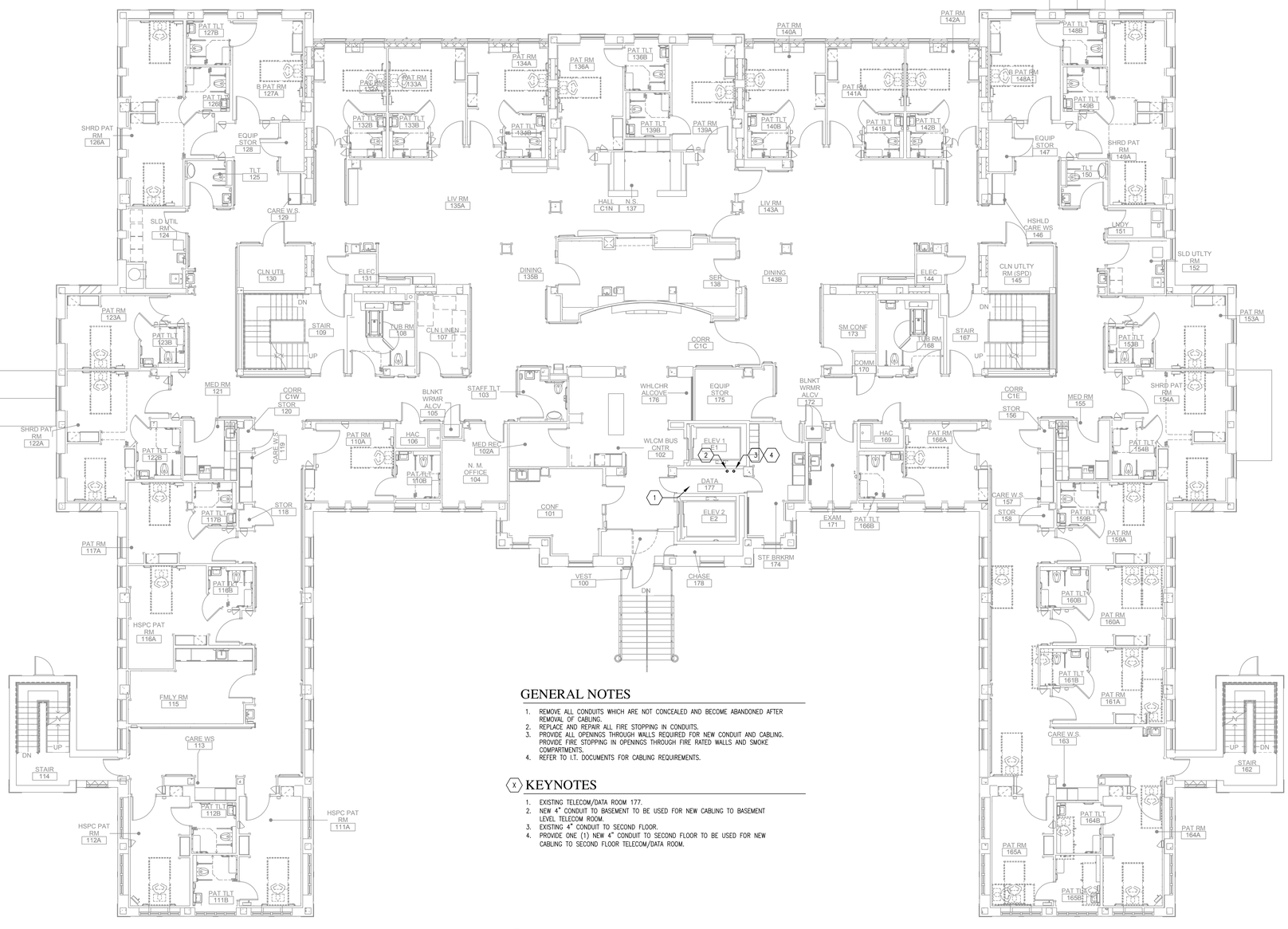

GENERAL NOTES

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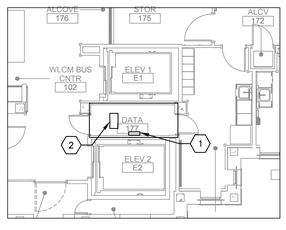
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 177.
2. NEW 4" CONDUIT TO BASEMENT TO BE USED FOR NEW CABLING TO BASEMENT LEVEL TELECOM ROOM.
3. EXISTING 4" CONDUIT TO SECOND FLOOR.
4. PROVIDE ONE (1) NEW 4" CONDUIT TO SECOND FLOOR TO BE USED FOR NEW CABLING TO SECOND FLOOR TELECOM/DATA ROOM.

N 1 CP49-1 BUILDING 49 CABLING PLAN - FIRST FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

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2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4" AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP49-1 IT PLAN - ROOM 177
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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DATE: 12-03-14

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APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
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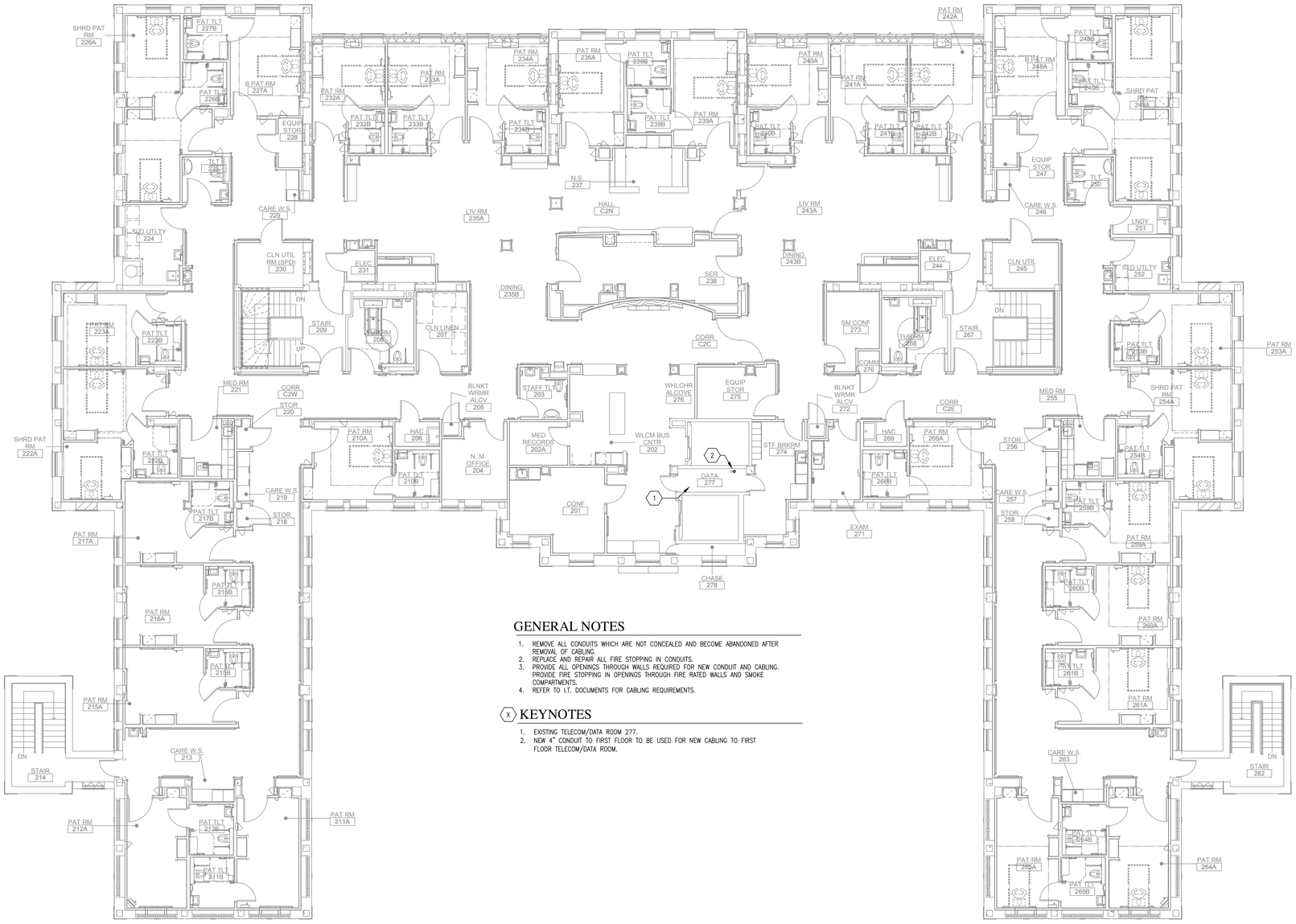

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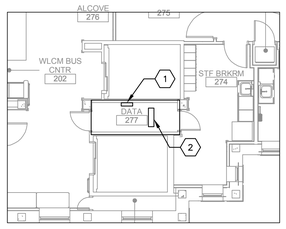
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 277.
2. NEW 4" CONDUIT TO FIRST FLOOR TO BE USED FOR NEW CABLING TO FIRST FLOOR TELECOM/DATA ROOM.

N 1 CP49-2 BUILDING 49 CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

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2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP49-2 IT PLAN - ROOM 277
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — MN 46184
DATE: 12-03-14 — REG. NO.

DRAWING TITLE: BUILDING 49 CABLING PLAN - SECOND FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

BUILDING No	CHECKED BY	DRAWN	CAD FILE
AS NOTED	ARM	RSB	XXX

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
DRAWING NO.: CP49-2

St. Cloud VA Health Care System
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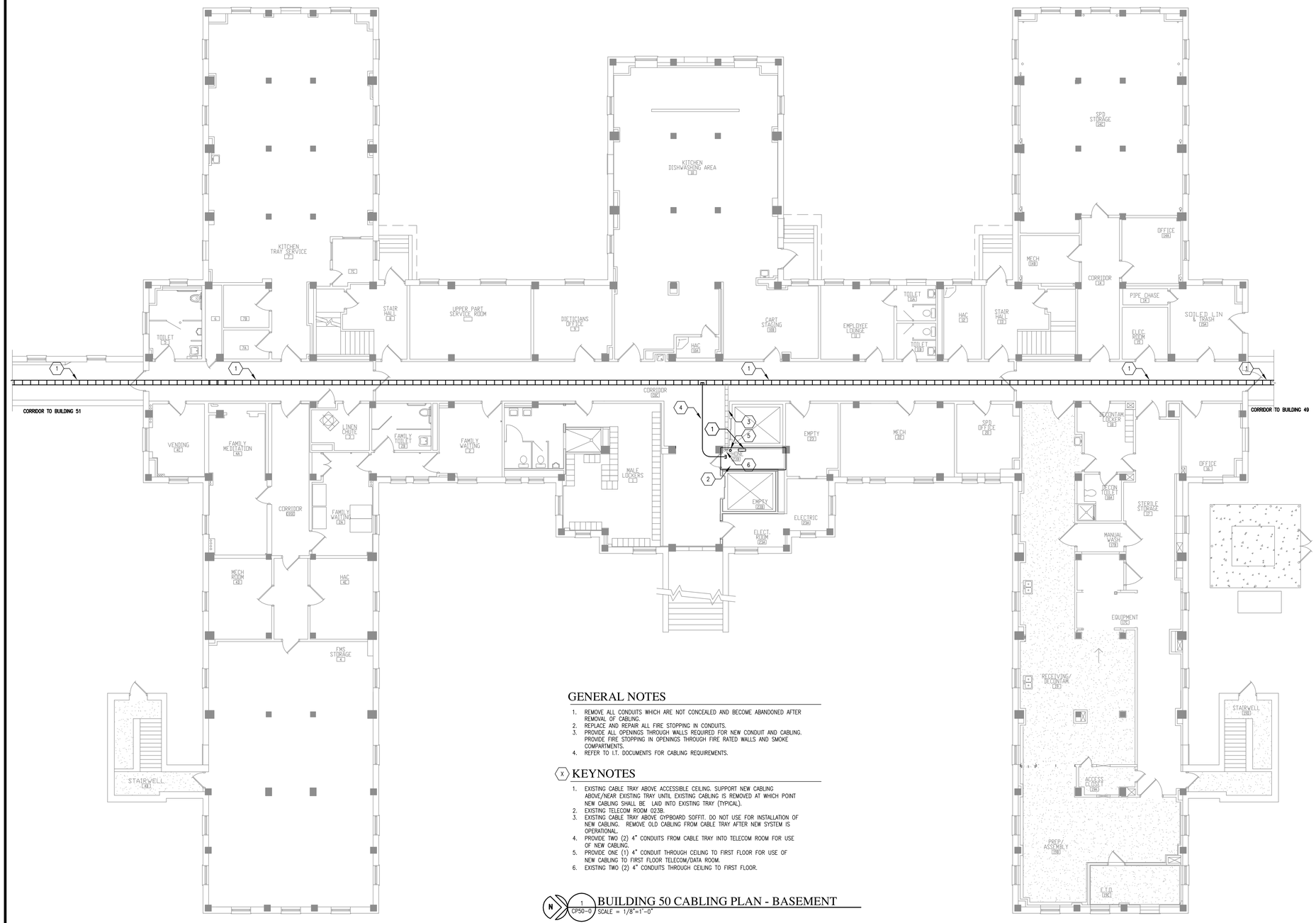

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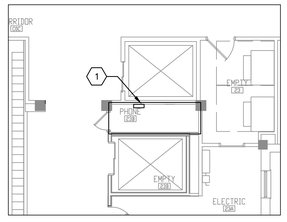
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY ABOVE ACCESSIBLE CEILING. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM ROOM 023B.
3. EXISTING CABLE TRAY ABOVE GYPBOARD SOFFIT. DO NOT USE FOR INSTALLATION OF NEW CABLING. REMOVE OLD CABLING FROM CABLE TRAY AFTER NEW SYSTEM IS OPERATIONAL.
4. PROVIDE TWO (2) 4" CONDUITS FROM CABLE TRAY INTO TELECOM ROOM FOR USE OF NEW CABLING.
5. PROVIDE ONE (1) 4" CONDUIT THROUGH CEILING TO FIRST FLOOR FOR USE OF NEW CABLING TO FIRST FLOOR TELECOM/DATA ROOM.
6. EXISTING TWO (2) 4" CONDUITS THROUGH CEILING TO FIRST FLOOR.

N 1 CP50-0 BUILDING 50 CABLING PLAN - BASEMENT
SCALE = 1/8"=1'-0"



GENERAL NOTES

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2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP50-0 IT PLAN - ROOM 023B
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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DRAWING TITLE: BUILDING 50 CABLING PLAN - BASEMENT

APPROVED: PROJECT DIRECTOR | DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
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PROJECT NO: 655-13-240
BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB | CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303
DRAWING NO. CP50-0

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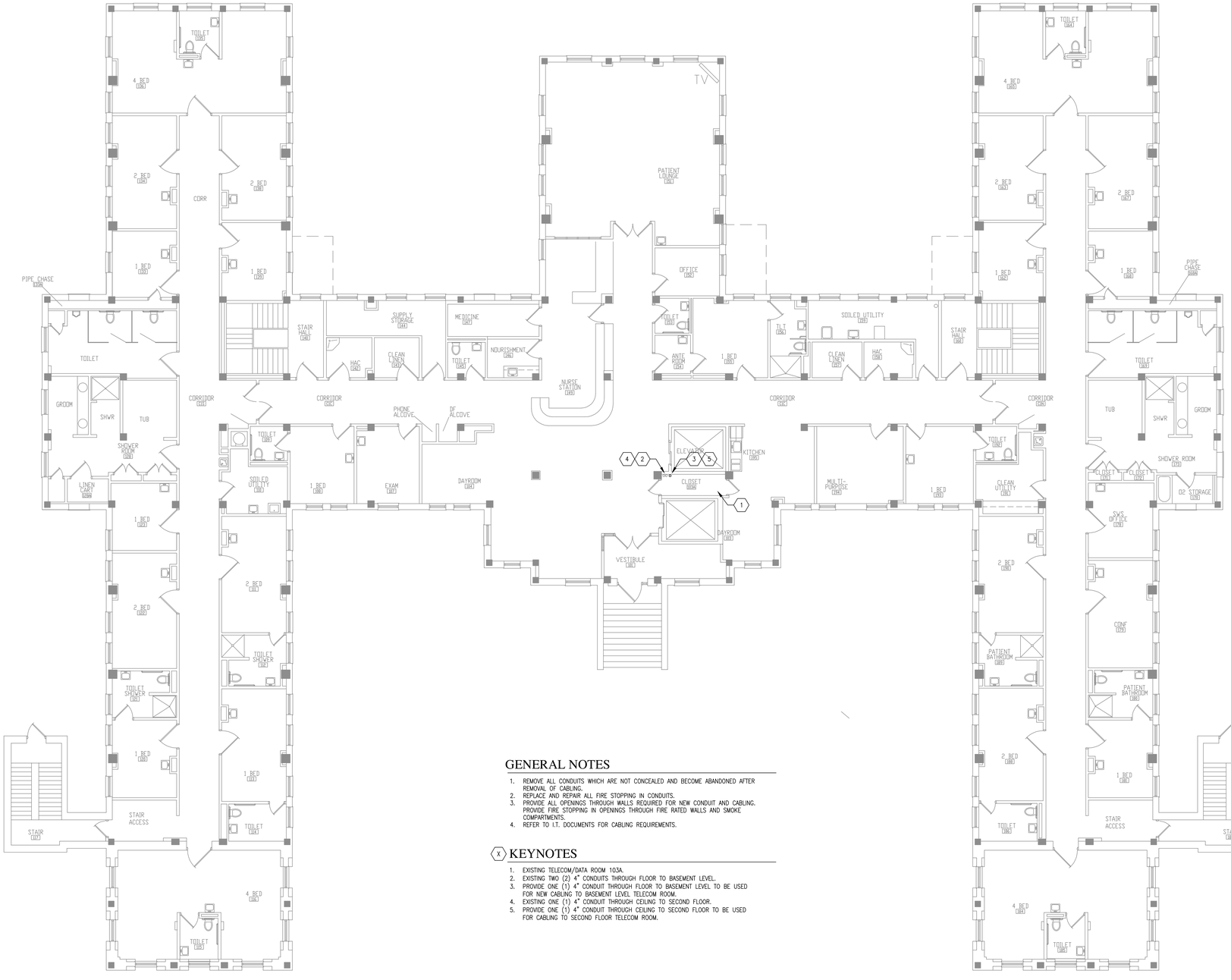

GENERAL NOTES

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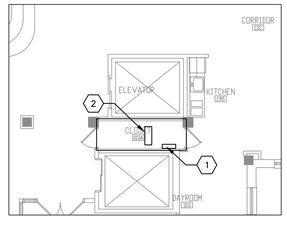
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 103A.
2. EXISTING TWO (2) 4" CONDUITS THROUGH FLOOR TO BASEMENT LEVEL.
3. PROVIDE ONE (1) 4" CONDUIT THROUGH FLOOR TO BASEMENT LEVEL TO BE USED FOR NEW CABLING TO BASEMENT LEVEL TELECOM ROOM.
4. EXISTING ONE (1) 4" CONDUIT THROUGH CEILING TO SECOND FLOOR.
5. PROVIDE ONE (1) 4" CONDUIT THROUGH CEILING TO SECOND FLOOR TO BE USED FOR CABLING TO SECOND FLOOR TELECOM ROOM.

N 1 CP50-1 BUILDING 50 CABLING PLAN - FIRST FLOOR
SCALE = 1/8"=1'-0"



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(X) KEYNOTES

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2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP50-1 IT PLAN - ROOM 103A
SCALE = 1/8"=1'-0"

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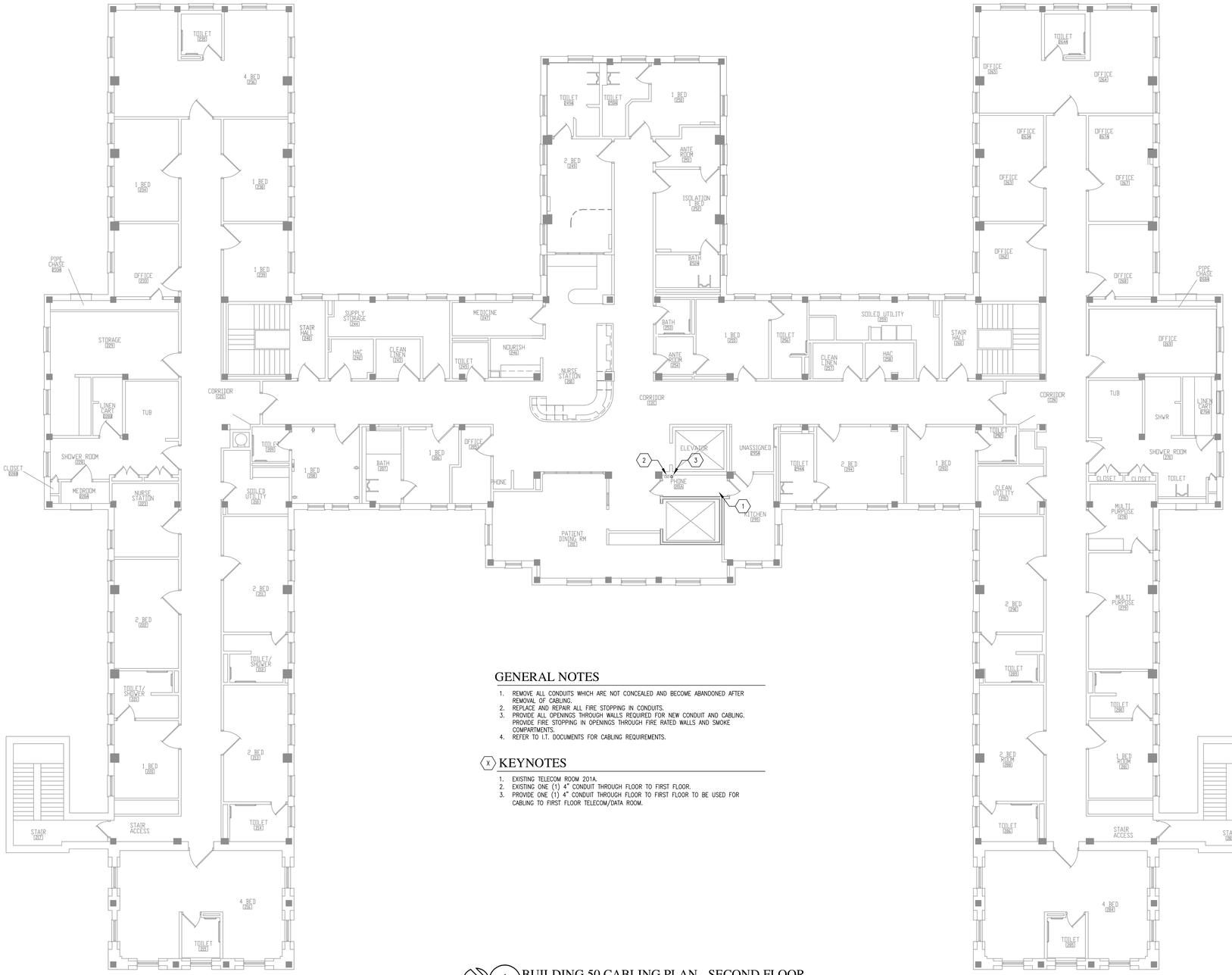

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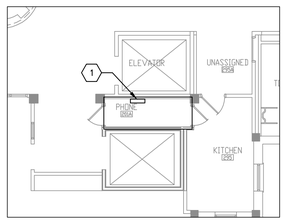
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 201A.
2. EXISTING ONE (1) 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR.
3. PROVIDE ONE (1) 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR TO BE USED FOR CABLING TO FIRST FLOOR TELECOM/DATA ROOM.

N 1 CP50-2 BUILDING 50 CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP50-2 IT PLAN - ROOM 201A
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron K. Mueller, PE
MN 46184
REG. NO.
DATE: 12-09-14

DRAWING TITLE
BUILDING 50 CABLING PLAN - SECOND FLOOR

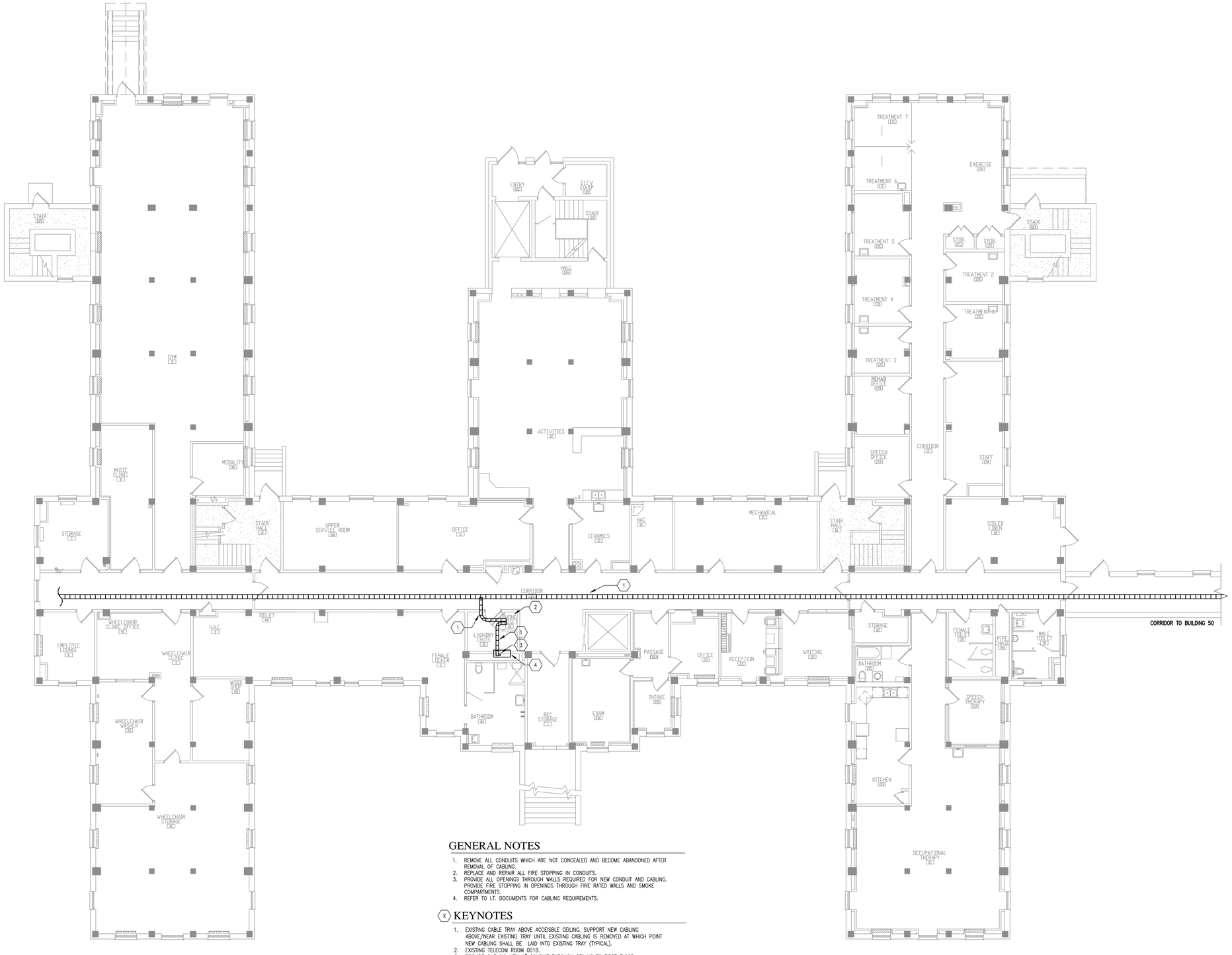
APPROVED: PROJECT DIRECTOR DATE:

PROJECT TITLE
CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE 12.03.14
PLOT SCALE AS NOTED
PROJECT NO. 655-13-240
BUILDING No. AS NOTED
CHECKED BY ARM
DRAWN RSB
REV. FILE XXX
LOCATION ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303
DRAWING NO. CP50-2

St. Cloud VA Health Care System
Brainerd | Montevideo | Alexandria

VA FORM 08-6231



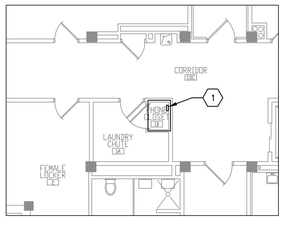
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY ABOVE ACCEISBLE CEILING. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM ROOM 001B.
3. PROVIDE ONE (1) NEW 4" CONDUIT THROUGH CEILING TO FIRST FLOOR TELECOM/DATA ROOM FOR USE OF NEW CABLING.
4. DEMO PORTION OF WALL TO GAIN ACCESS TO PIPE CHASE. PATCH AND REPAIR WALL TO MATCH EXISTING WHEN COMPLETED WITH CONDUIT AND CABLING WORK.

N 1 CP51-0 BUILDING 51 CABLING PLAN - BASEMENT
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 6' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP51-0 IT PLAN - ROOM 001B
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE
MN 46184
REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 51 CABLING PLAN - BASEMENT

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240

APPROVED: PROJECT DIRECTOR
DATE:

BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX

LOCATION: ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303
DRAWING No: CP51-0

St. Cloud VA Health Care System
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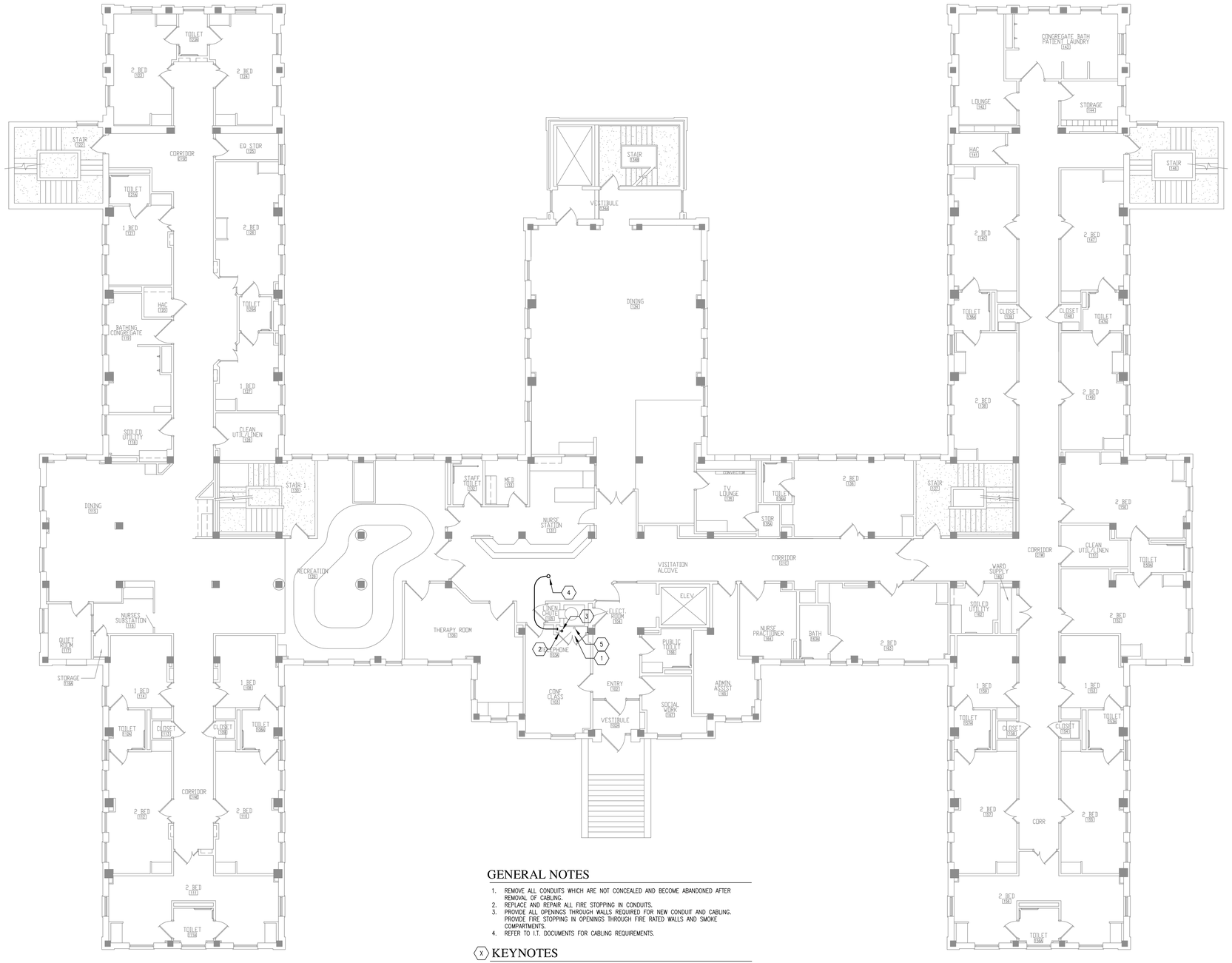
VA FORM 08-6231



GENERAL NOTES

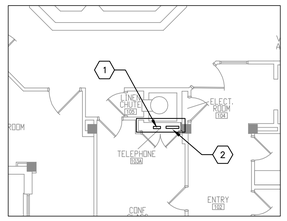
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 103A.
2. EXISTING 4" CONDUIT THROUGH FLOOR TO BASEMENT LEVEL.
3. ONE (1) NEW 4" CONDUIT THROUGH FLOOR TO BASEMENT LEVEL TO BE USED FOR NEW CABLING TO BASEMENT LEVEL TELECOM ROOM.
4. PROVIDE ONE (1) NEW 4" CONDUIT THROUGH CEILING TO SECOND FLOOR TO BE USED FOR NEW CABLING TO SECOND FLOOR TELECOM ROOM. PROVIDE 4" CONDUIT ABOVE CEILING AND STUB CONDUIT INTO TELECOM/DATA ROOM 103A.
5. EXISTING 4" CONDUIT UP THROUGH CEILING TO SECOND FLOOR.

N 1 CP51-1 BUILDING 51 CABLING PLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AND NEW CABLES, FIELD COORDINATE FINAL LOCATION OF 110 BLOCKS. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP51-1 IT PLAN - ROOM 103A

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron K. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 51 CABLING PLAN - FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No.	CHECKED BY	DRAWN	DATE
AS NOTED	ARM	RSB	12.03.14

PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO.: CP51-1

St. Cloud VA Health Care System
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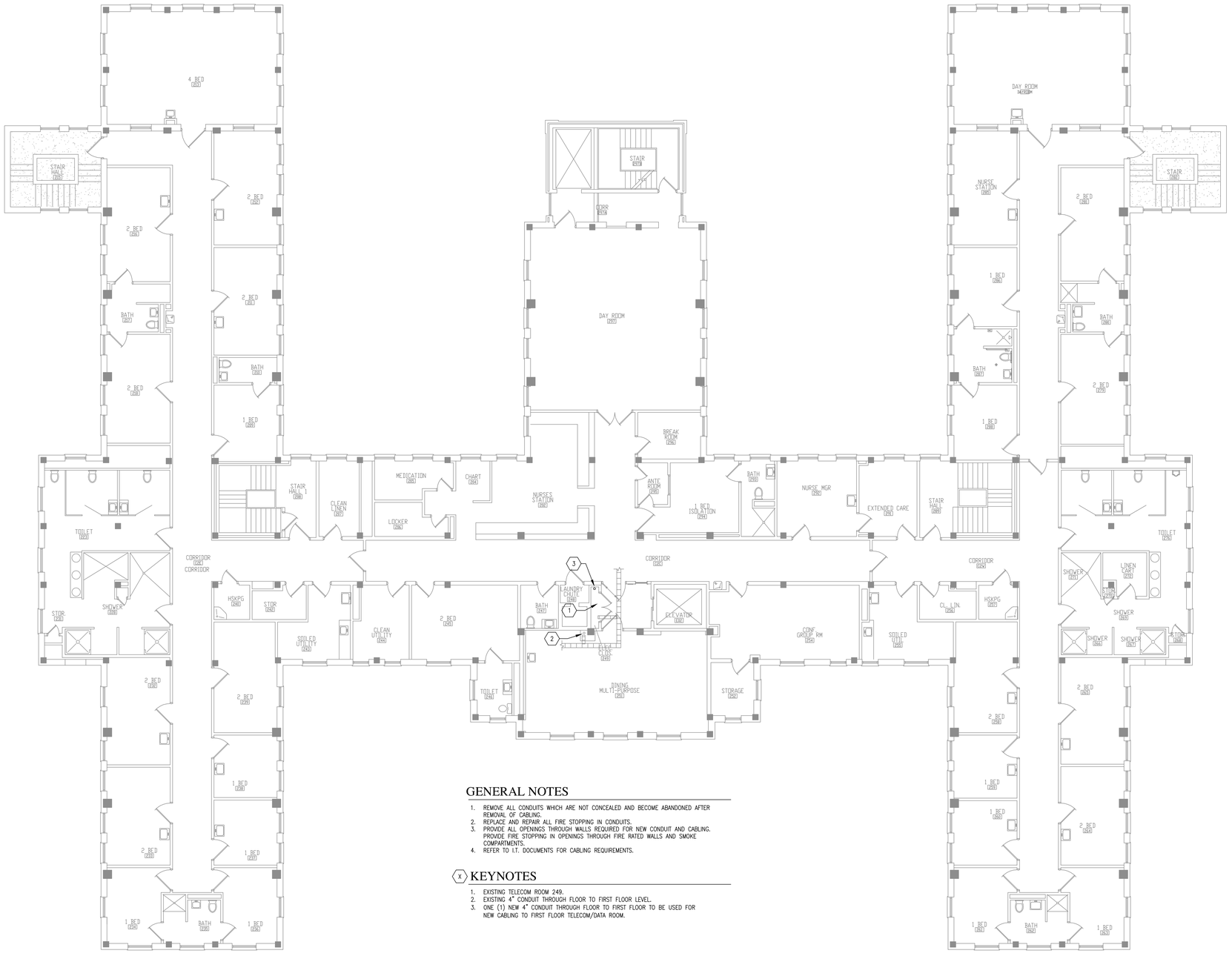


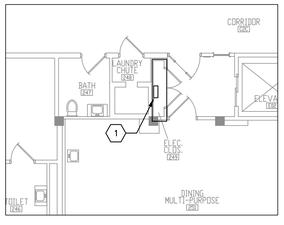
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM ROOM 249.
2. EXISTING 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR LEVEL.
3. ONE (1) NEW 4" CONDUIT THROUGH FLOOR TO FIRST FLOOR TO BE USED FOR NEW CABLING TO FIRST FLOOR TELECOM/DATA ROOM.

N 1 CP51-2 BUILDING 51 CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 4' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

N 2 CP51-2 IT PLAN - ROOM 249
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE MN 46184
REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 51 CABLING PLAN - SECOND FLOOR

APPROVED: PROJECT DIRECTOR DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING NO: CP51-2

St. Cloud VA Health Care System
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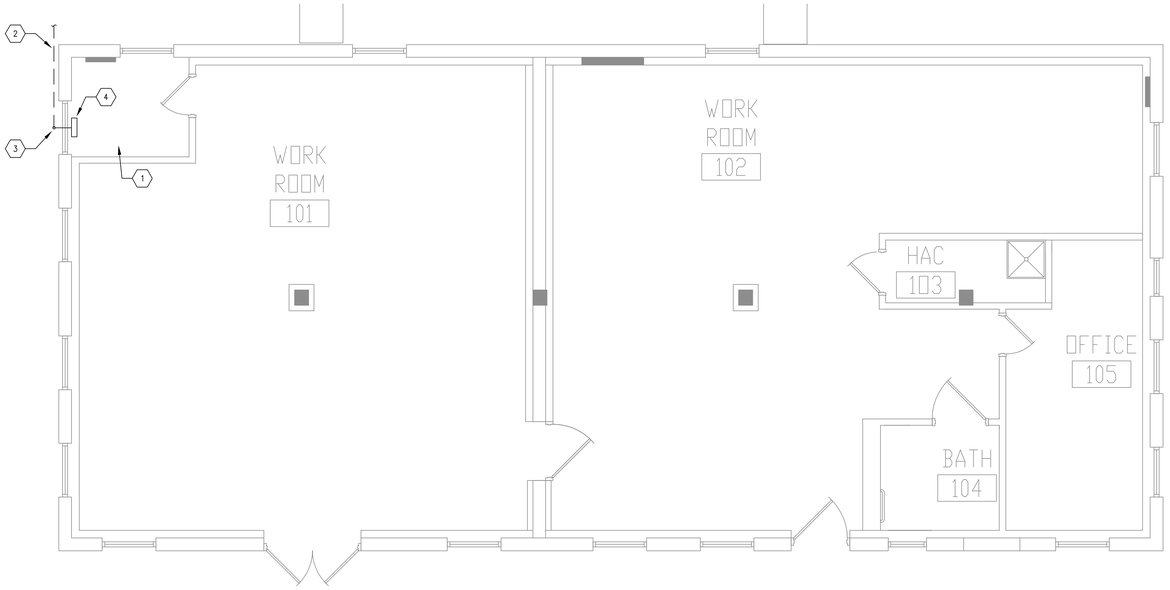


GENERAL NOTES

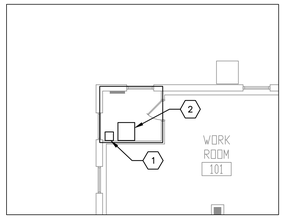
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 101A.
2. PROVIDE ONE (1) 2" UNDERGROUND CONDUIT FOR NEW FIBER CABLING TO NEW HANDHOLE BETWEEN BUILDINGS 57 AND 109.
3. RUN UNDEGROUND CONDUIT UP INTO AN LB AND RUN THROUGH WALL.
4. PROVIDE NEW WALL MOUNTED JUNCTION BOX BELOW WINDOW. PROVIDE NEW CONDUIT FROM JUNCTION BOX TO NEW CABLE TERMINATION POINT.

1 / CP59.109-1 BUILDING 57 CABLING PLAN - FIRST FLOOR

SCALE = 1/4"=1'-0"



GENERAL NOTES

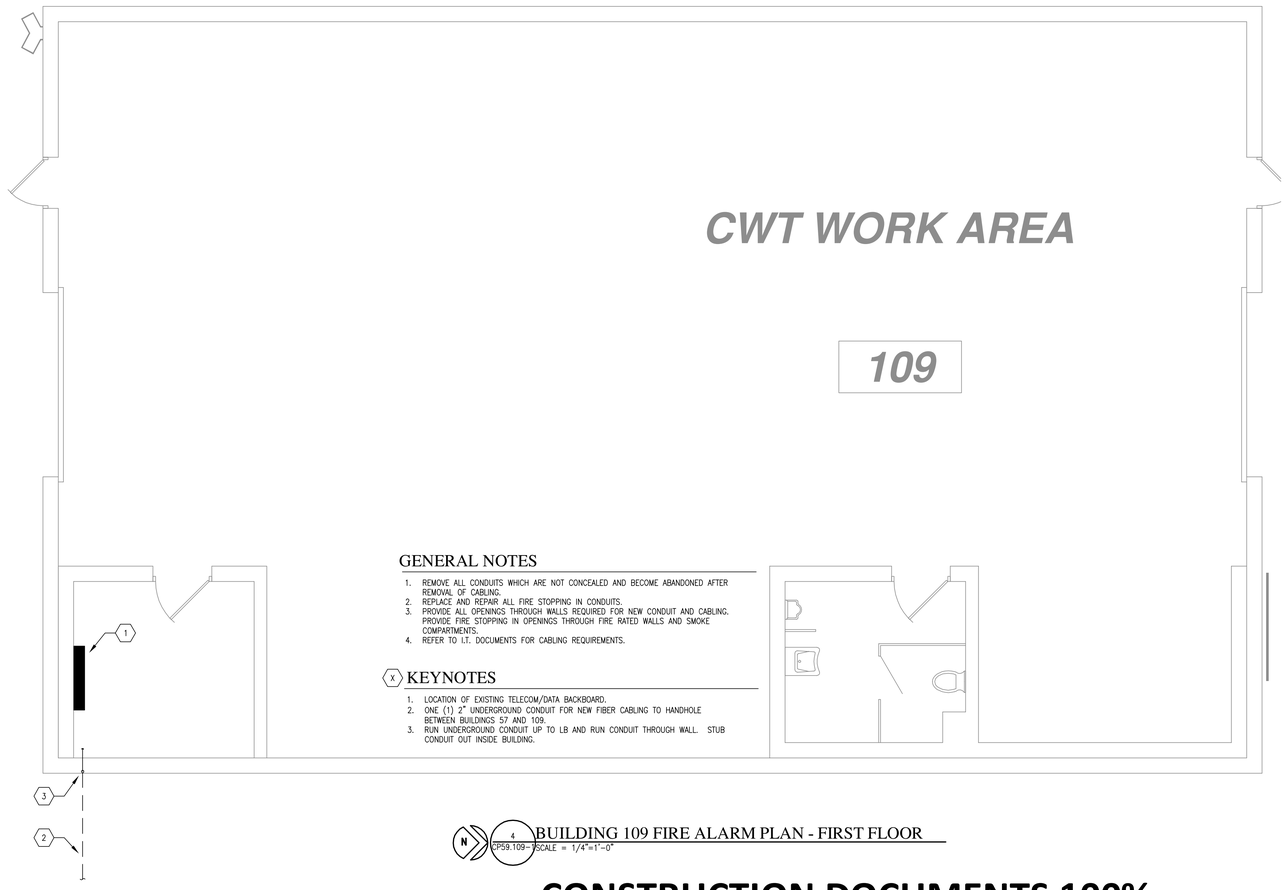
1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 6' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANEL IN EXISTING WALL MOUNTED EQUIPMENT CABINET AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

2 / CP59.109-1 IT PLAN - ROOM 101A

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. LOCATION OF EXISTING TELECOM/DATA BACKBOARD.
2. ONE (1) 2" UNDERGROUND CONDUIT FOR NEW FIBER CABLING TO HANDHOLE BETWEEN BUILDINGS 57 AND 109.
3. RUN UNDERGROUND CONDUIT UP TO LB AND RUN CONDUIT THROUGH WALL. STUB CONDUIT OUT INSIDE BUILDING.

4 / CP59.109-1 BUILDING 109 FIRE ALARM PLAN - FIRST FLOOR

SCALE = 1/4"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — REG. NO. MN 46184
DATE: 12-03-14

DRAWING TITLE: BUILDINGS 57 AND 109 CABLING PLANS FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

BUILDING No	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

DATE	12.03.14
PLOT SCALE	AS NOTED
PROJECT No.	655-13-240
CAD FILE	XXX
DRAWING No.	CP57.109-1

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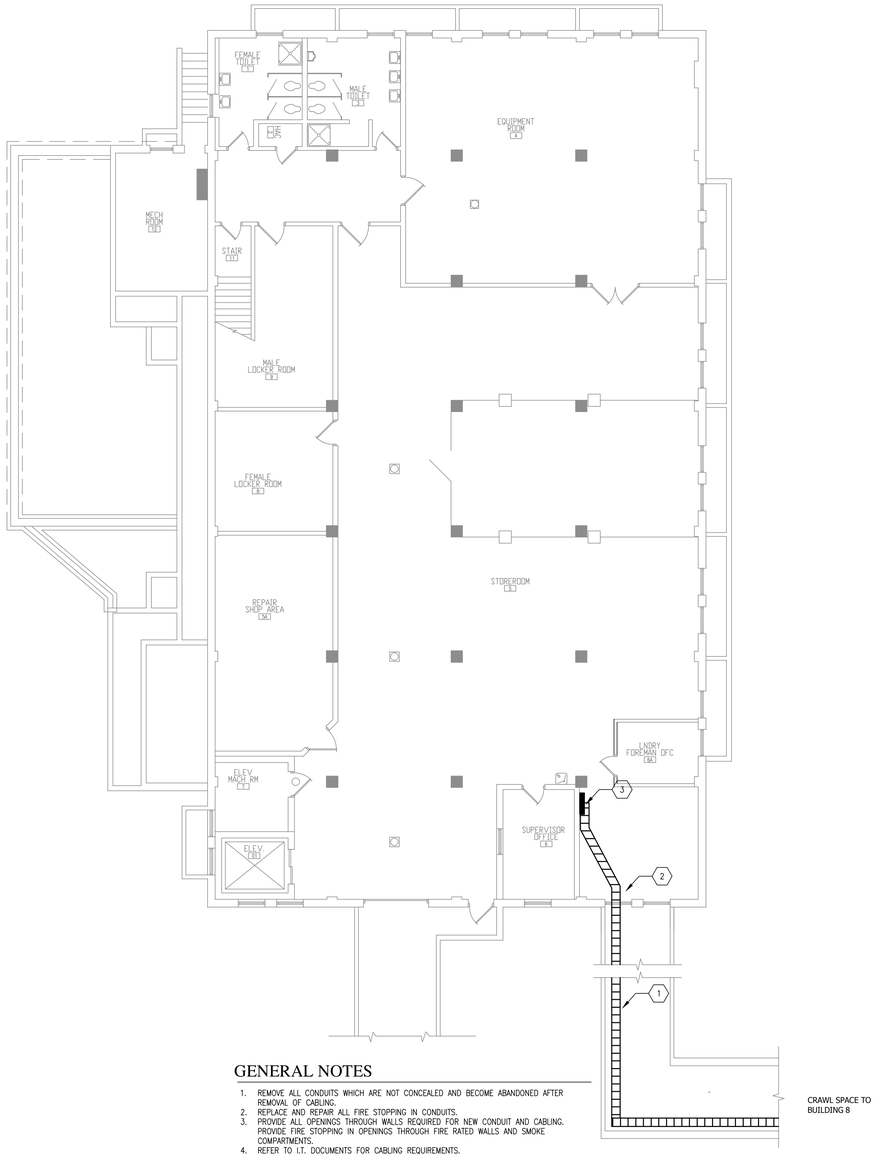


GENERAL NOTES

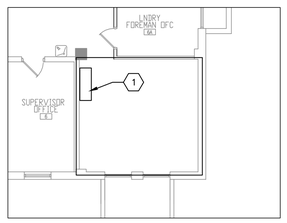
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN CRAWL SPACE. SUPPORT NEW CABLING ABOVE EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING CABLE TRAY ENTERS BUILDING NEAR CEILING AND IS RAN ACROSS CEILING TO TELEPHONE TERMINATION CABINET.
3. LOCATION OF EXISTING TELEPHONE TERMINATION CABINET.

1 CP59-0 BUILDING 59 CABLING PLAN - BASEMENT

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS IN EXISTING TELEPHONE CABINET AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.

2 CP59-0 IT PLAN - ROOM 005

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron A. Mueller, PE — MN 46184
DATE: 12-09-14 — REG. NO.

DRAWING TITLE: BUILDING 59 CABLING PLAN BASEMENT

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No.	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE	12.03.14
PLOT SCALE	AS NOTED
PROJECT NO.	655-13-240
CAD FILE	XXX
DRAWING NO.	CP59-0

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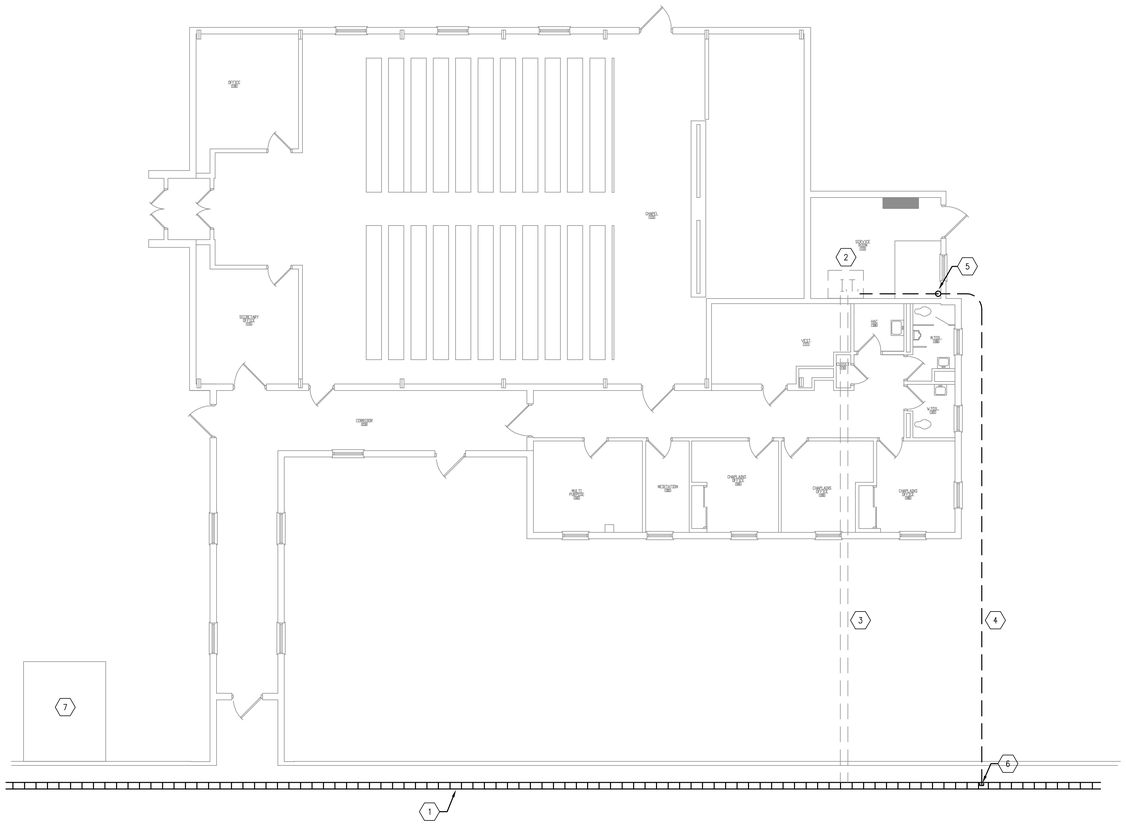


GENERAL NOTES

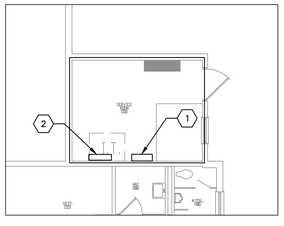
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN CRAWL SPACE BELOW CORRIDOR. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM/DATA CABINET.
3. EXISTING UNDERGROUND CONDUITS TO CABLE TRAY IN CRAWL SPACE.
4. PROVIDE TWO (2) NEW 4" UNDERGROUND CONDUITS FOR NEW CABLING TO BUILDING 88 TELECOM/DATA CABINET.
5. STUB CONDUITS INTO BELOW GRADE PIT. SEAL CONDUIT AND OPENING TO PREVENT MOISTURE FROM LEAKING INTO THE BUILDING. RUN CONDUIT UP THE WALL TO CEILING, 14' ABOVE PIT FLOOR, AND OVER TO TELECOM/DATA RACK.
6. STUB CONDUITS ABOVE CABLE TRAY IN CRAWL SPACE. SEAL CONDUIT AND OPENING TO PREVENT MOISTURE FROM LEAKING INTO THE BUILDING.
7. ACCESS HATCH INTO CRAWL SPACE.

1 / CP88-1 BUILDING 88 CABLINGPLAN - FIRST FLOOR

SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 2'x2'x3/4" PLYWOOD. PROVIDE NEW 110 BLOCK AT 3' AFF ON NEW PLYWOOD AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANEL IN EXISTING WALL MOUNTED EQUIPMENT CABINET AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

2 / CP88-1 IT PLAN - ROOM 112

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — REG. NO. MN 46184
DATE: 12-03-14

DRAWING TITLE: BUILDING 88 CABLING PLANS FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

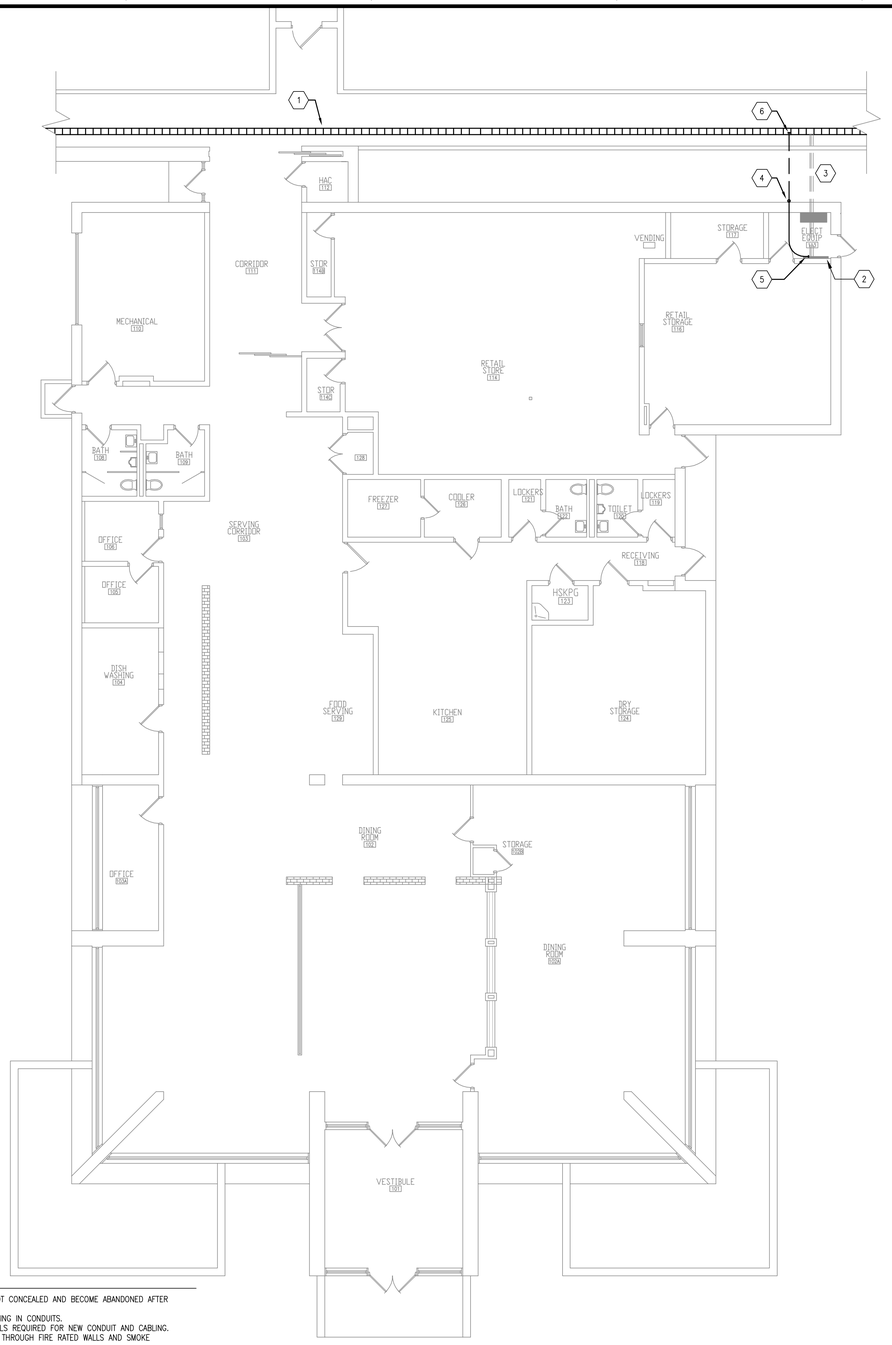
BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
CAD FILE: XXX
DRAWING NO: CP88-1

St. Cloud VA Health Care System
Brainerd | Montevideo | Alexandria

VA FORM 08-6231



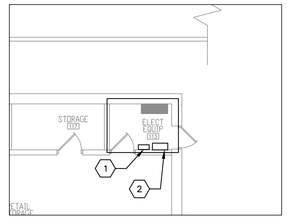
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING CABLE TRAY IN CRAWL SPACE BELOW CORRIDOR. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING TELECOM/DATA BACKBOARD.
3. EXISTING UNDERGROUND CONDUITS TO CABLE TRAY IN CRAWL SPACE.
4. PROVIDE ONE (1) NEW 4" UNDERGROUND CONDUIT FOR NEW CABLING TO BUILDING 95 TELECOM/DATA EQUIPMENT. RUN CONDUIT UP EXTERIOR WALL. PENETRATE WALL WITHIN 6" OF INTERIOR CEILING.
5. INSTALL NEW CONDUIT ALONG INTERIOR CEILING AND STUB CONDUIT ABOVE TELECOM/DATA BACKBOARD.
6. STUB CONDUIT ABOVE CABLE TRAY IN CRAWL SPACE. SEAL CONDUIT AND OPENING TO PREVENT MOISTURE FROM LEAKING INTO THE BUILDING.

N 1 CP95-1 BUILDING 95 CABLING PLAN - FIRST FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 5' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANEL IN EXISTING WALL MOUNTED EQUIPMENT CABINET AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 1 CP95-1 IT PLAN - ROOM 113
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE — REG. NO. MN 46184
DATE: 12-03-14

DRAWING TITLE: BUILDING 95 CABLING PLAN FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO.: 655-13-240
BUILDING No.: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO.: CP95-1

St. Cloud VA Health Care System
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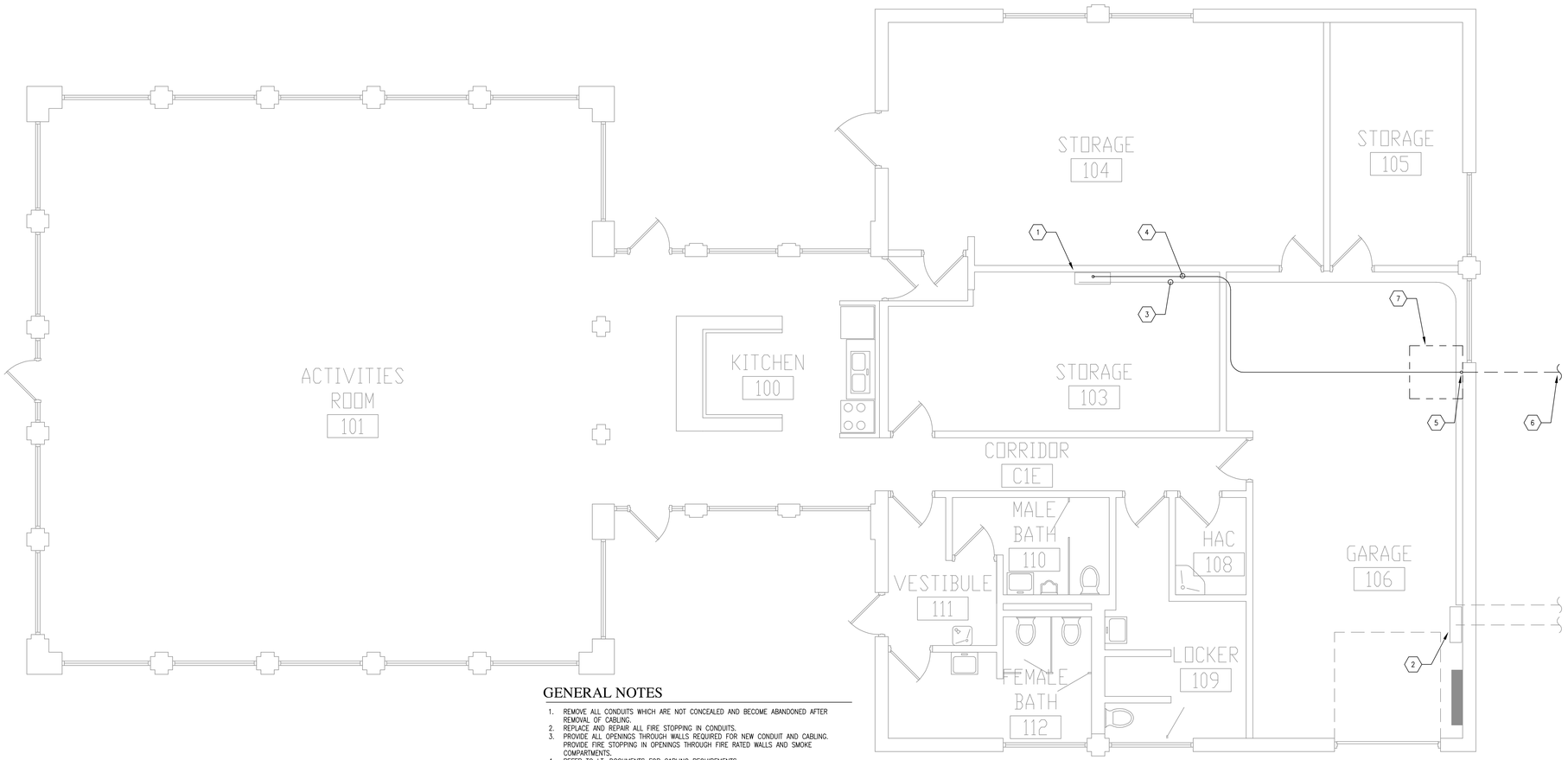


GENERAL NOTES

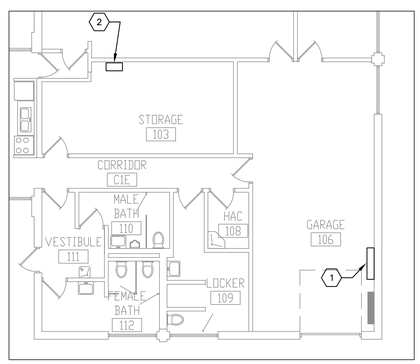
1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. LOCATION OF EXISTING DATA CABINET AND BACKBOARD.
2. LOCATION OF EXISTING TELECOM CABINET AND BACKBOARD.
3. EXISTING DATA AND TELECOM CONDUIT.
4. PROVIDE ONE (1) NEW 2" CONDUIT FOR NEW FIBER CABLING. RUN CONDUIT ABOVE GYPBOARD CEILING IN STORAGE RM 103. CONDUIT SHALL BE RAN ALONG THE EXPOSED CEILING IN GARAGE RM 106.
5. RUN CONDUIT DOWN WALL AND PENETRATE FOUNDATION BELOW GRADE.
6. RUN CONDUIT TO NEW NEARBY HANDHOLE.
7. CUT AND PATCH CONCRETE FLOOR. CUT BARE MINIMUM FLOOR SPACE AS NEEDED TO INSTALL CONDUIT BELOW GRADE.

N 1 CP96-1 BUILDING 96 CABLING PLAN - FIRST FLOOR

SCALE = 1/4"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 25 PAIR LIGHTNING PROTECTOR AND NEW 110 BLOCKS AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW WALL MOUNTED FIBER OPTIC PATCH PANELS AT 5' AFF AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP96-1 IT PLAN - ROOM 103

SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron E. Mueller, PE — MN 46184
DATE: 12-09-14 — REG. NO.

DRAWING TITLE: BUILDING 96 CABLING PLANS FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED | CHECKED BY: ARM | DRAWN: RSB

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING NO: CP96-1

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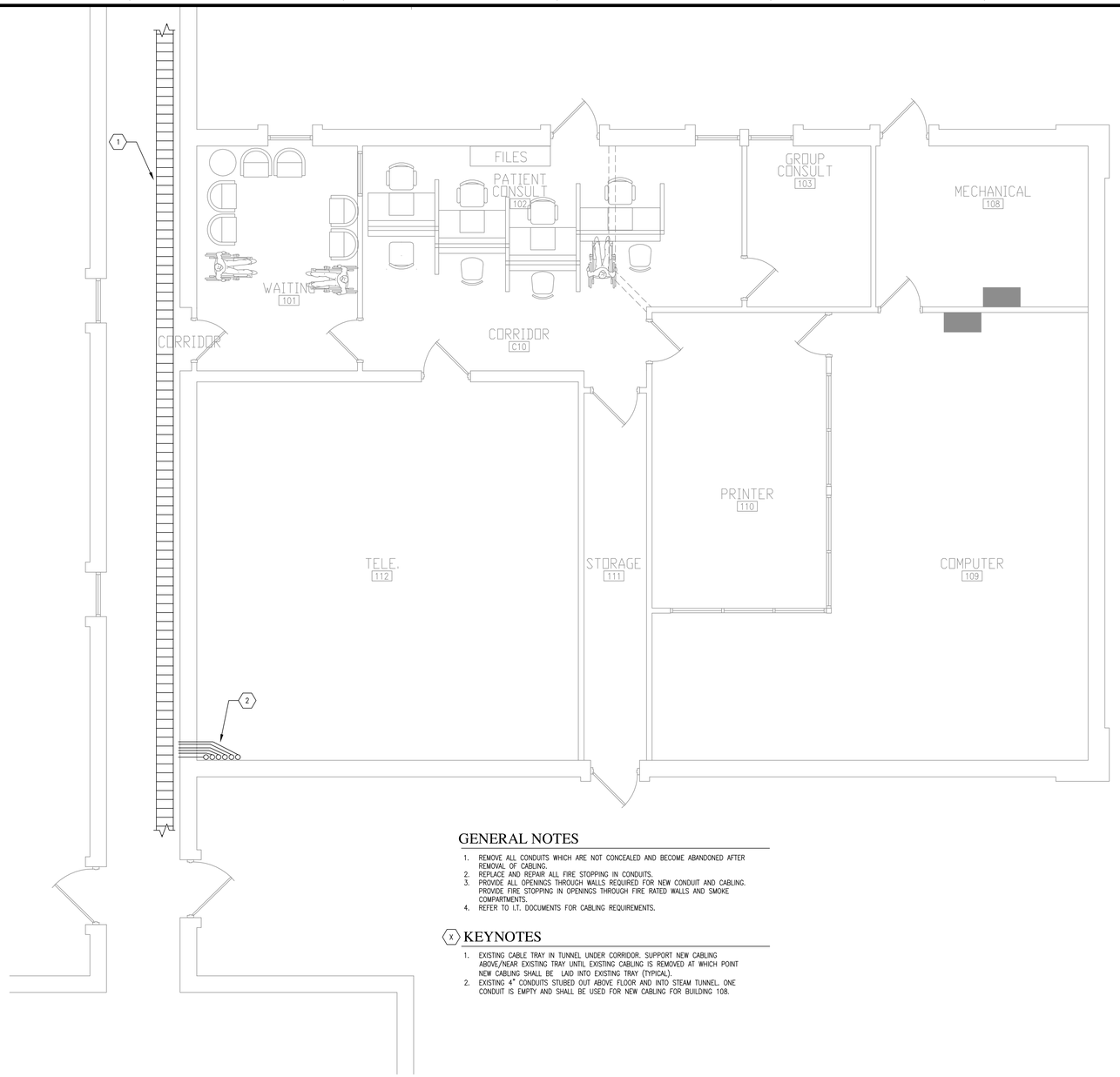

GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

X KEYNOTES

1. EXISTING CABLE TRAY IN TUNNEL UNDER CORRIDOR. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING 4" CONDUITS STUBED OUT ABOVE FLOOR AND INTO STEAM TUNNEL. ONE CONDUIT IS EMPTY AND SHALL BE USED FOR NEW CABLING FOR BUILDING 108.

N

1
CP108-1

BUILDING 108 CABLING PLAN - FIRST FLOOR

SCALE = 1/4"=1'-0"

CONSTRUCTION DOCUMENTS 100%

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Aaron R. Mueller, PE
MN 46184
REG. NO.
DATE: 12-03-14

DRAWING TITLE
BUILDING 108
CABLING PLANS
FIRST FLOOR

APPROVED: PROJECT DIRECTOR
DATE:

PROJECT TITLE
CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE 12.03.14
POST SCALE AS NOTED
PROJECT NO. 655-13-240
CAD FILE XXX
DRAWING NO. CP108-1

BUILDING No. AS NOTED
CHECKED BY ARM
DRAWN RSB

LOCATION
ST. CLOUD VA MEDICAL CENTER
ST. CLOUD, MN 56303

St. Cloud VA Health Care System
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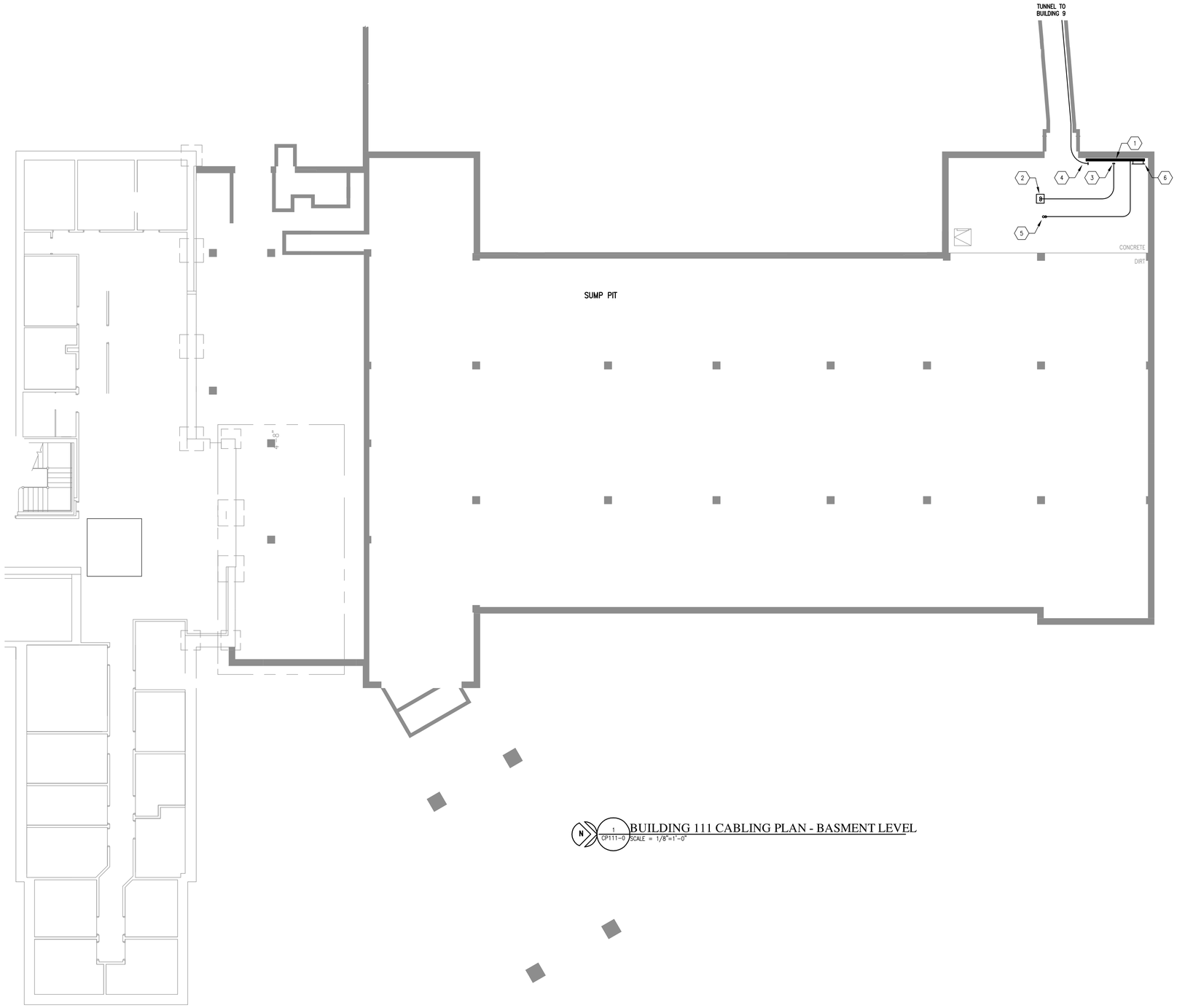
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. LOCATION OF NEW TELEPHONE CABLING LIGHTING ARRESTORS.
2. PROVIDE CEILING MOUNTED JUNCTION BOX AT POINT WHERE TWO NEW 4" CONDUITS PENETRATE CEILING.
3. PROVIDE TWO (2) 4" CONDUITS FROM JUNCTION BOX TO TELEPHONE LIGHTING ARRESTORS. SECURE CONDUIT ALONG CEILING.
4. PROVIDE TWO (2) 4" CONDUITS FROM TELEPHONE CABLING LIGHTING ARRESTORS TO NEW BUILDING 9 HANDHOLE.
5. TWO NEW CONDUITS FROM FIRST FLOOR, ONE TO BE USED FOR NEW POWER CIRCUIT FOR LIGHTING ARRESTOR PANEL THE OTHER IS FOR EQUIPMENT GROUNDING. COORDINATE TERMINATION LOCATIONS WITH EQUIPMENT SUPPLIERS.
6. NEW WALL MOUNTED GROUNDING BUS MOUNTED NEAR CEILING.



1 CP111-0 BUILDING 111 CABLING PLAN - BASMENT LEVEL
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 111 - CABLING PLANS - BASEMENT LEVEL

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303

BUILDING No	CHECKED BY	DRAWN
AS NOTED	ARM	RSB

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT No: 655-13-240
CAD FILE: XXX
DRAWING No: CP111-0

St. Cloud VA Health Care System
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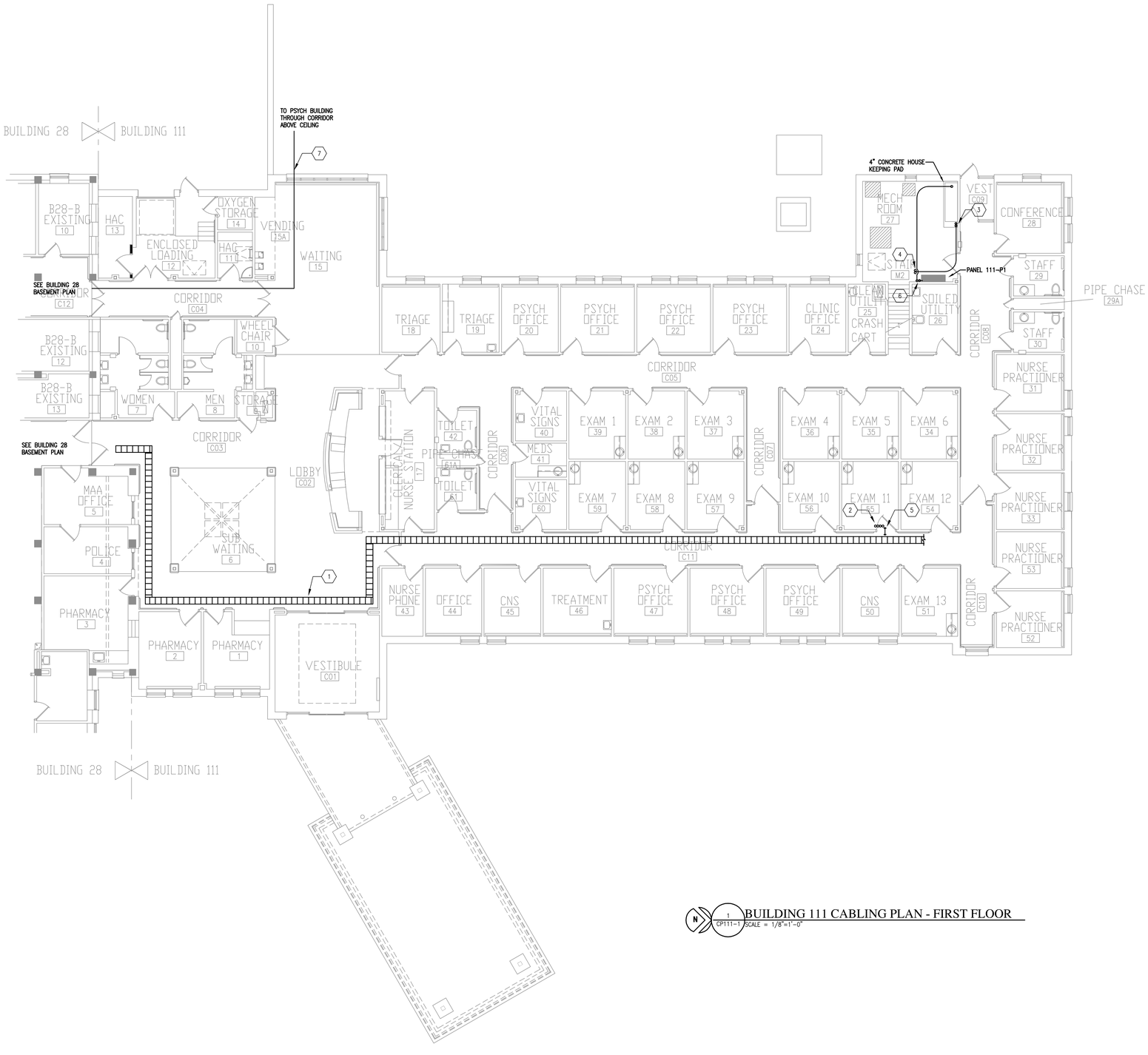

N 1 CP111-1 BUILDING 111 CABLING PLAN - FIRST FLOOR
SCALE = 1/8"=1'-0"

GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

X KEYNOTES

1. EXISTING CABLE TRAY ABOVE ACT CEILING. SUPPORT NEW CABLING ABOVE/NEAR EXISTING TRAY UNTIL EXISTING CABLING IS REMOVED AT WHICH POINT NEW CABLING SHALL BE LAID INTO EXISTING TRAY (TYPICAL).
2. EXISTING FOUR (4) 4" CONDUITS TO SECOND FLOOR DATA ROOM. ONE CONDUIT IS EMPTY, USE THIS CONDUIT FOR NEW CABLING TO SECOND FLOOR.
3. PROVIDE TWO (2) 4" CONDUITS THROUGH CONCRETE FLOOR AND HOUSEKEEPING PAD TO LOWER LEVEL. RUN CONDUITS UP MECH ROOM WALL AND ACROSS CEILING.
4. RUN CONDUITS UP THROUGH FLOOR TO SECOND LEVEL.
5. PROVIDE NEW 4" CONDUIT SLEEVE THROUGH WALL FOR NEW CABLING.
6. TWO (2) NEW CONDUITS:
   1) 0.75"C-2#12,1#12G TO PANELBOARD 111-P1. PROVIDE CIRCUIT TO LOWER LEVEL TELEPHONE LIGHTNING ARRESTOR PANEL. USE SPARE 20A/1P BREAKER AT PANELBOARD.
   2) 0.75"C-1/0G TO SERVICE ENTRANCE GROUNDING ELECTRODE. PROVIDE GROUNDING ELECTRODE CONDUCTOR TO NEW TELEPHONE LIGHTING ARRESTOR PANEL GROUND BUS IN LOWER LEVEL.
7. PROVIDE 4" CONDUIT FROM BUILDING 28 TO PSYCH BUILDING IT ROOM FOR NEW FIBER OPTIC CABLING. RUN CONDUIT ABOVE ACT CEILING.

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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Aaron R. Mueller, PE — MN 46184 — REG. NO.
DATE: 12-03-14

DRAWING TITLE: BUILDING 111 - CABLING PLANS - FIRST FLOOR

APPROVED: PROJECT DIRECTOR — DATE:

PROJECT TITLE: CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

DATE: 12.03.14
SCALE: AS NOTED
PROJECT NO.: 655-13-240
BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
CAD FILE: XXX
LOCATION: ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN 56303
DRAWING NO.: CP111-1

St. Cloud VA Health Care System
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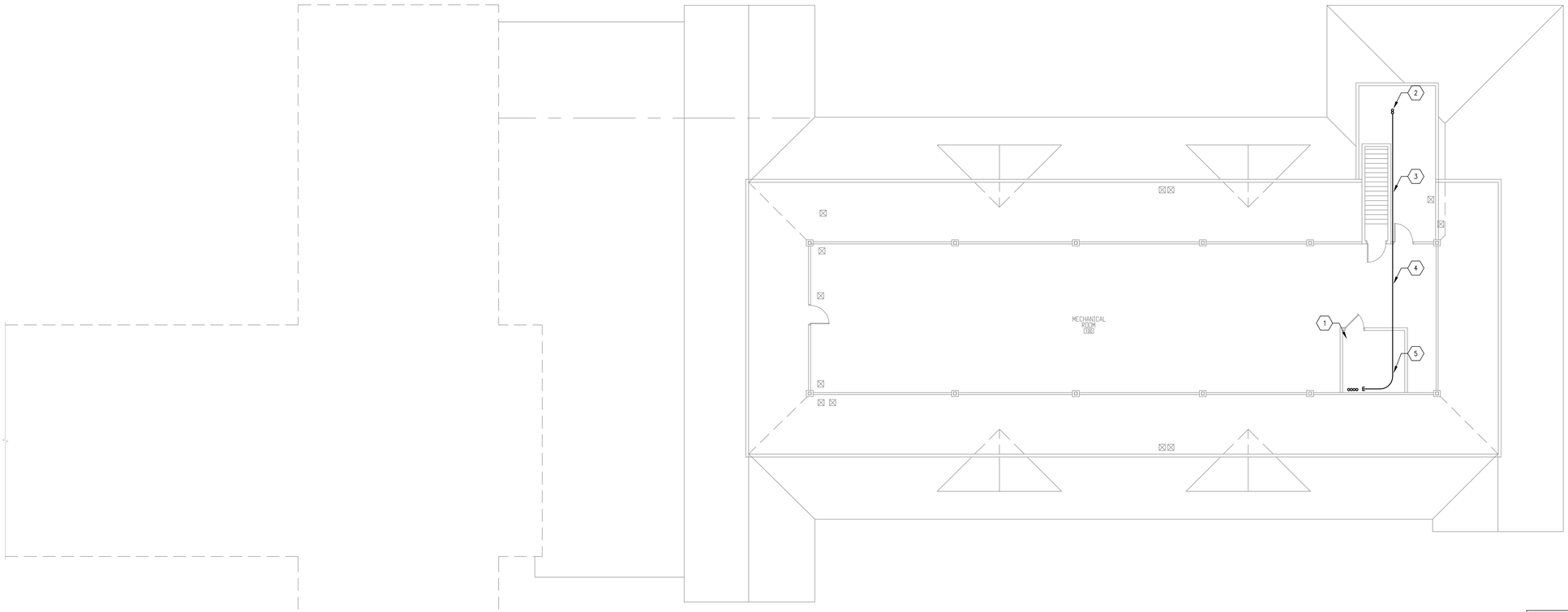


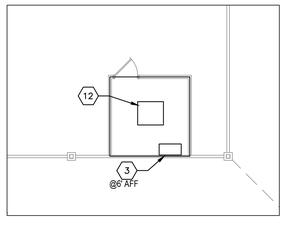
GENERAL NOTES

1. REMOVE ALL CONDUITS WHICH ARE NOT CONCEALED AND BECOME ABANDONED AFTER REMOVAL OF CABLING.
2. REPLACE AND REPAIR ALL FIRE STOPPING IN CONDUITS.
3. PROVIDE ALL OPENINGS THROUGH WALLS REQUIRED FOR NEW CONDUIT AND CABLING. PROVIDE FIRE STOPPING IN OPENINGS THROUGH FIRE RATED WALLS AND SMOKE COMPARTMENTS.
4. REFER TO I.T. DOCUMENTS FOR CABLING REQUIREMENTS.

(X) KEYNOTES

1. EXISTING TELECOM/DATA ROOM 101.
2. TWO (2) 4" CONDUIT PENETRATIONS THROUGH FLOOR.
3. RUN CONDUITS IN SPACE BETWEEN STAIRWELL WALL AND NEW STUD WALL.
4. RUN CONDUITS EXPOSED ALONG THE CEILING.
5. PROVIDE LONG SWEEPING BEND IN CONDUITS ALONG CEILING. TERMINATE CONDUIT RUNS NEAR THE CABLE TERMINATION POINT.

N 1 CP111-2 BUILDING 111 CABLING PLAN - SECOND FLOOR
SCALE = 1/8"=1'-0"



GENERAL NOTES

1. PROVIDE – TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
2. COORDINATE WITH OWNER LOCATION AND ELEVATION OF 110 COPPER TERMINATION BLOCKS AND FIBER OPTIC PATCH PANELS IN EACH TELECOMMUNICATION ROOM.

(X) KEYNOTES

1. PROVIDE NEW 110 BLOCKS AT 6' AFF AND NEW CABLES. PER COPPER BACKBONE DIAGRAM.
2. PROVIDE NEW FIBER OPTIC PATCH PANELS ON EXISTING RACK AND NEW CABLES. PER FIBER OPTIC BACKBONE DIAGRAM.

N 2 CP111-2 IT PLAN - ROOM 101
SCALE = 1/8"=1'-0"

CONSTRUCTION DOCUMENTS 100%

No	REVISION	DATE

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MN 46184
Aaron R. Mueller, PE REG. NO.
DATE: 12-03-14

DRAWING TITLE
BUILDING 111 - CABLING PLANS - SECOND FLOOR

APPROVED: PROJECT DIRECTOR DATE:

PROJECT TITLE
CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION

BUILDING No: AS NOTED
CHECKED BY: ARM
DRAWN: RSB
LOCATION: ST. CLOUD VA MEDICAL CENTER ST. CLOUD, MN 56303

DATE: 12.03.14
PLOT SCALE: AS NOTED
PROJECT NO: 655-13-240
CAD FILE: XXX
DRAWING NO: CP111-2

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