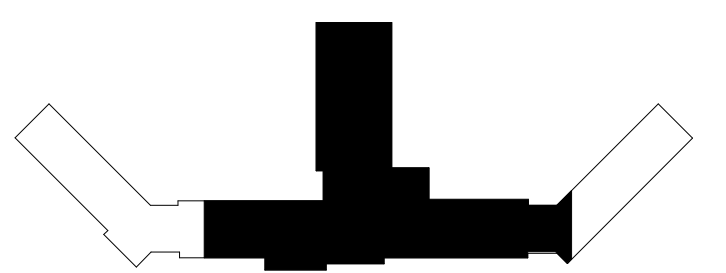
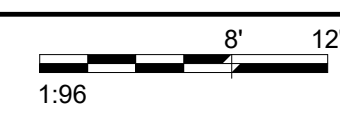


SHEET NOTES:
 1. RELOCATE EXISTING OCCUPANCY SENSOR AND LIGHT TO COORDINATE WITH MODIFIED LOCKER ROOM CEILING.



KEYPLAN

1 FIFTH LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5
 1/8" = 1'-0"



Revisions:	Date:

CONSULTANT



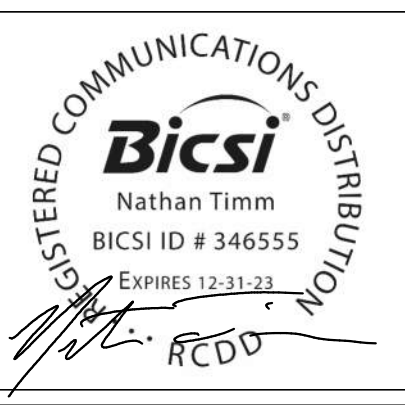
SES SPECIALIZED ENGINEERING SOLUTIONS
 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com

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 Anderson Engineering of Minnesota, LLC | Proj # 16090

STAMP



Office of Construction and Facilities Management



Drawing Title
FIFTH LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
 Sioux Falls, SD

Issue Date
 07/06/2021

Checked
 KSB

Drawn
 NMT

Project Number
 438-20-910

Building Number
 5

Drawing Number

ED151-05

BIM 360://202555-002 - VA Sioux Falls EHRM/202555-002 - VA Sioux Falls EHRM/SES_2018.rvt
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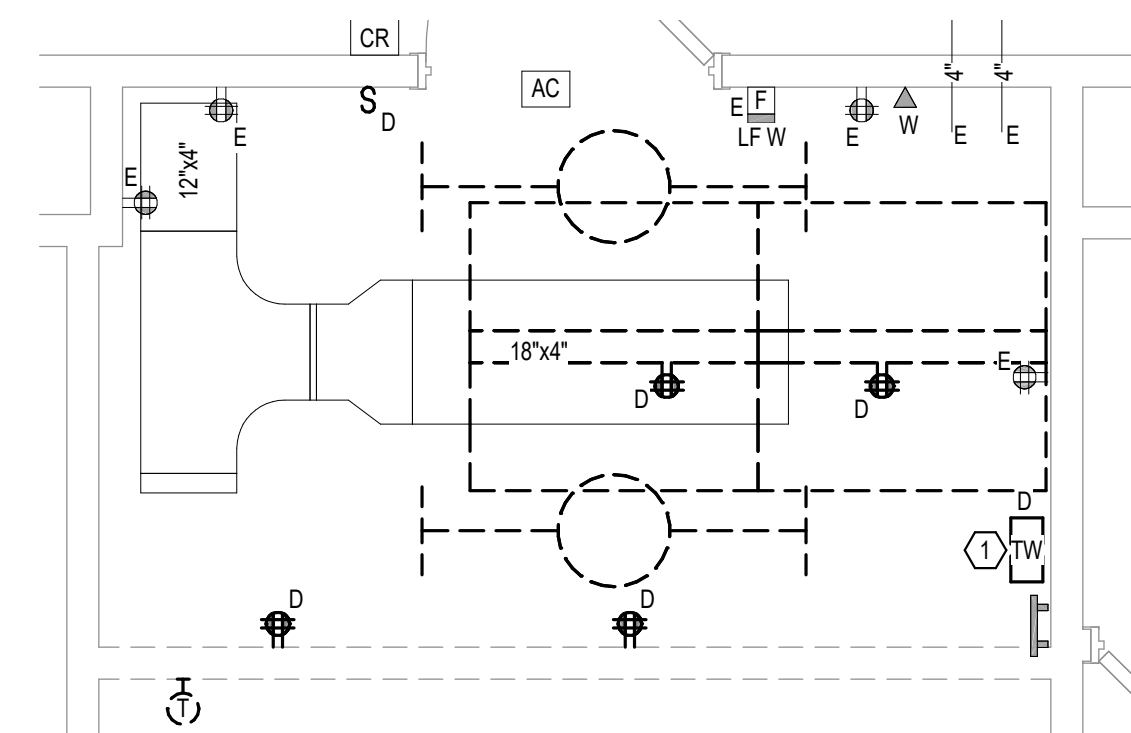
CABLING NOTES:

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

- 1. ROOM 546
 - EXISTING CABLE COUNT
 - DATA (CAT5): 308
 - DATA (CAT6): 0
 - VIDEO: 0
 - PATIENT MONITORING: 0
 - COMMERCIAL WIRELESS: 0
 - CABLE RELOCATION COUNT
 - DATA (CAT5): 0
 - DATA (CAT6): 0
 - VIDEO: 0
 - PATIENT MONITORING: 0
 - COMMERCIAL WIRELESS: 0
 - EXISTING CABLE TO REMAIN
 - DATA (CAT5): 308
 - VIDEO: 0
 - PATIENT MONITORING: 0
 - COMMERCIAL WIRELESS: 0
 - FINAL CABLE COUNT
 - DATA (CAT5): 308
 - VIDEO: 0
 - PATIENT MONITORING: 0
 - COMMERCIAL WIRELESS: 0

SHEET NOTES:

- 1. EXISTING TELEPHONE WALL FIELD TO BE DEMOLISHED. NEW COPPER BACKBONE TO BE PROVIDED ON PATCH PANELS IN TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.



1 FIFTH LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - ROOM 546
1/2" = 1'-0"

BIM 360/202535.DOC - VA Sioux Falls EHRM/202535.DOC - VA Sioux Falls EHRM/202535.DOC - VA Sioux Falls EHRM/202535.DOC - VA Sioux Falls EHRM/202535.DOC
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Revisions:	Date:

CONSULTANT

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STAMP

Bicsi
Nathan Timm
BICSI ID # 346555
EXPIRES 12-31-22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

FIFTH LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - ENLARGED ROOMS

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
Sioux Falls, SD

Issue Date
07/06/2021

Checked
KSB

Drawn
NMT

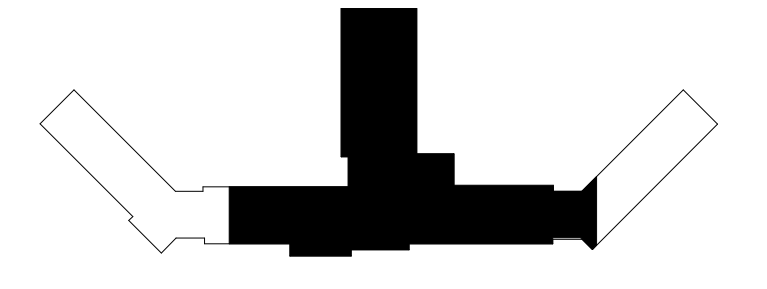
Project Number
438-20-910

Building Number
5

Drawing Number
ED351-05

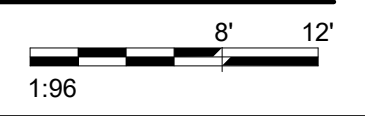


SHEET NOTES:
 1. INSTALL RELOCATED OCCUPANCY SENSOR AND LIGHT TO COORDINATE WITH MODIFIED LOCKER ROOM CEILING.




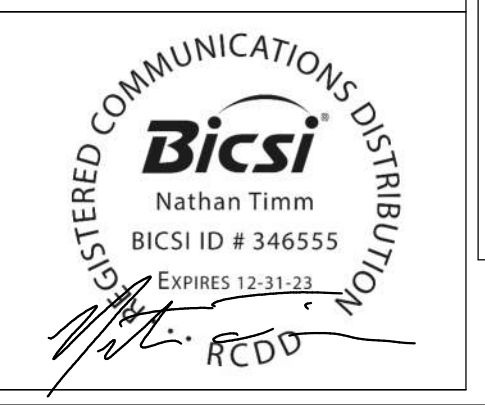



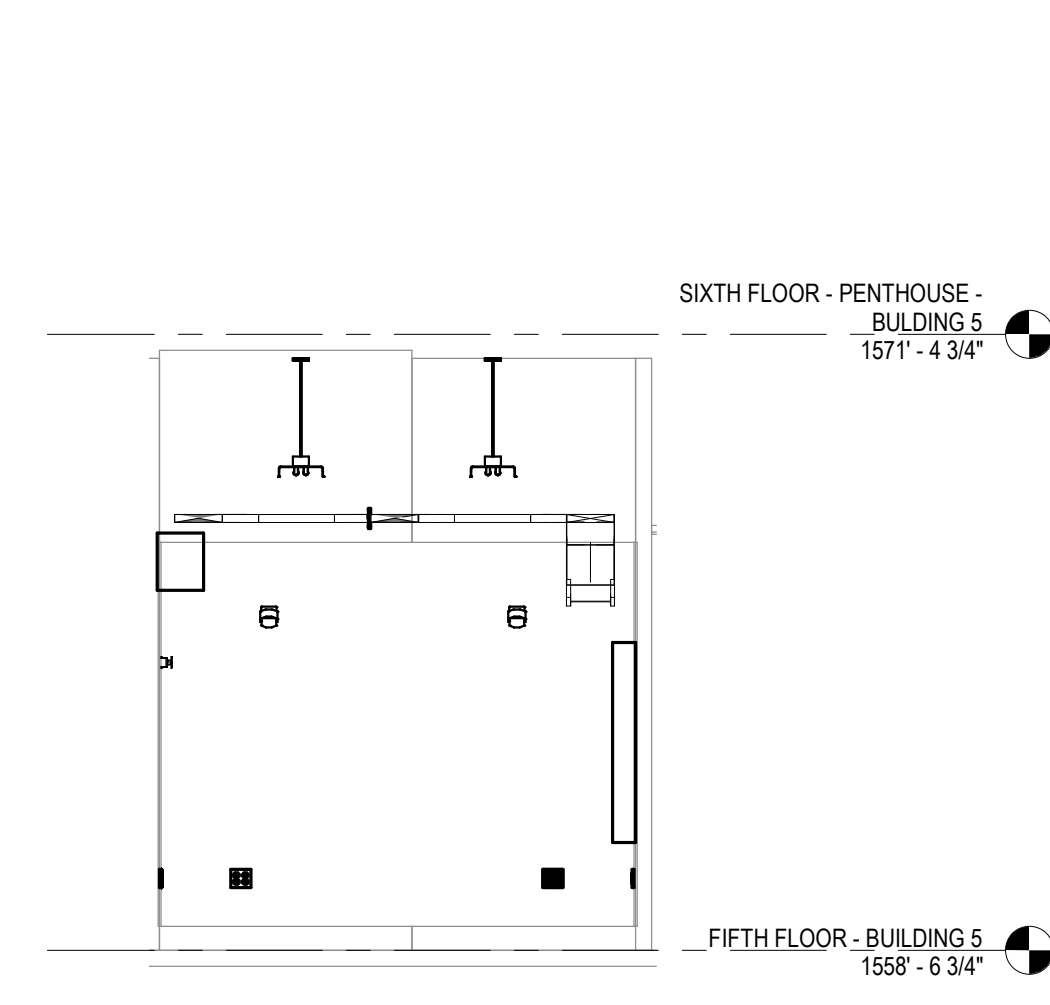
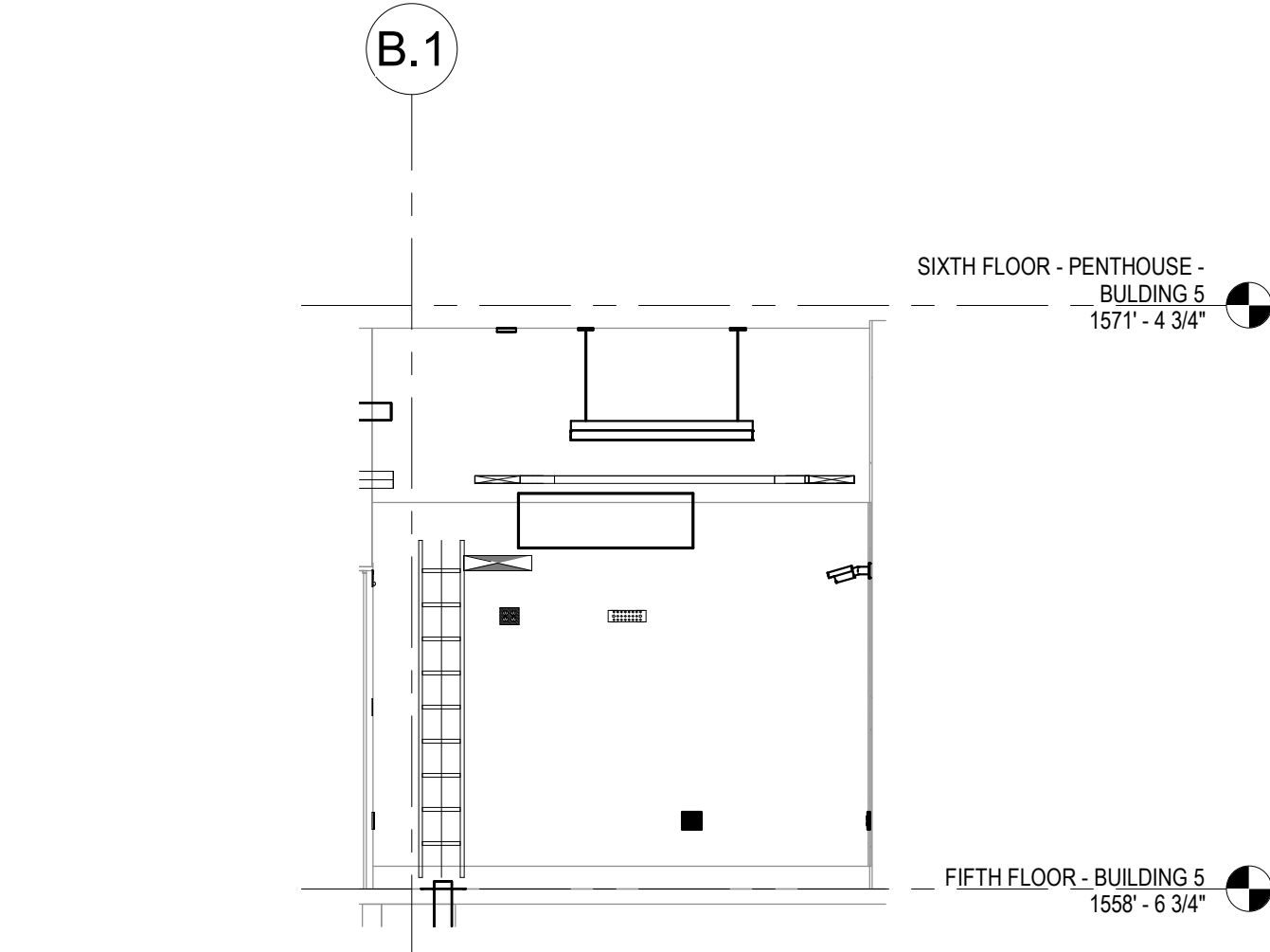
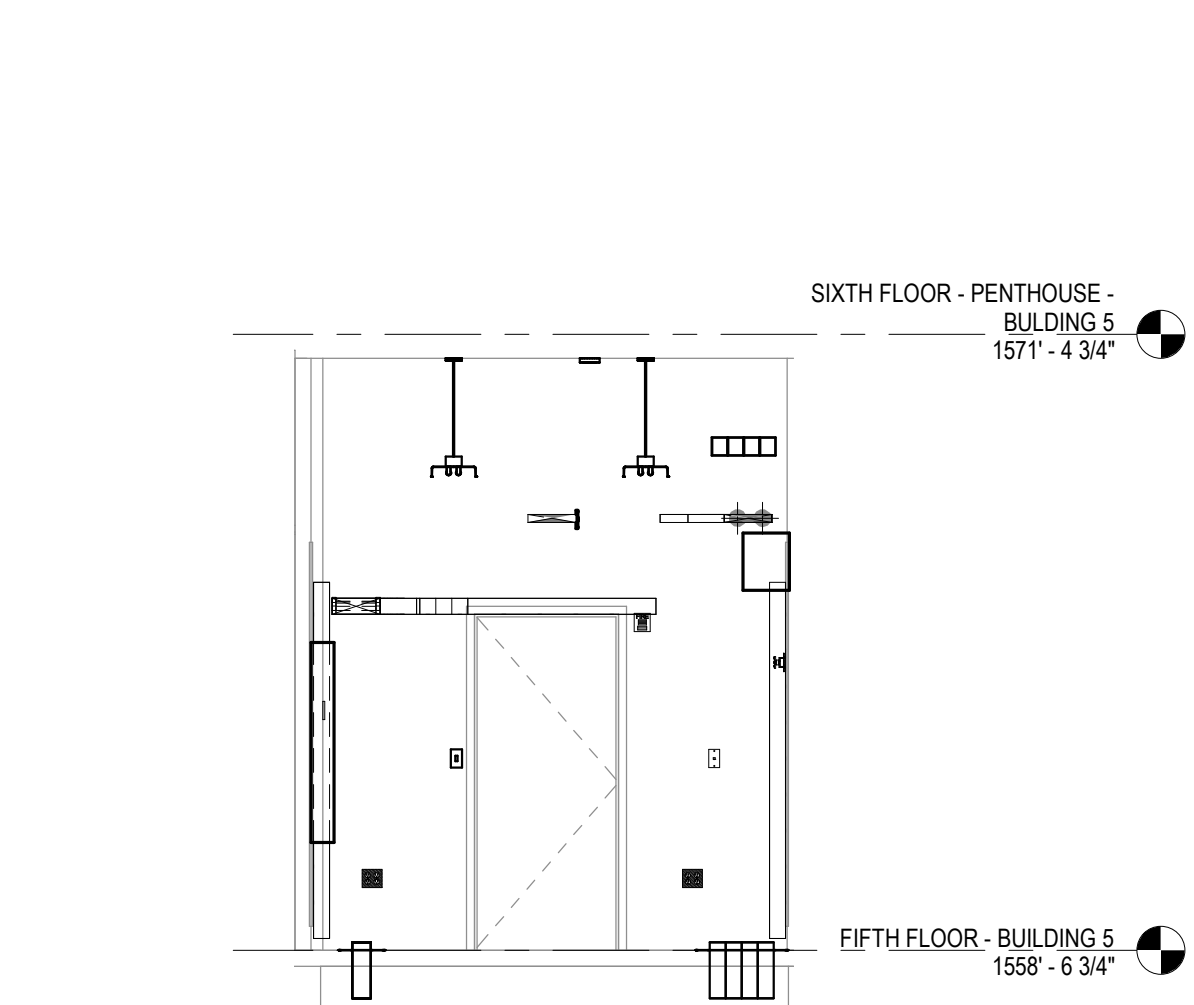
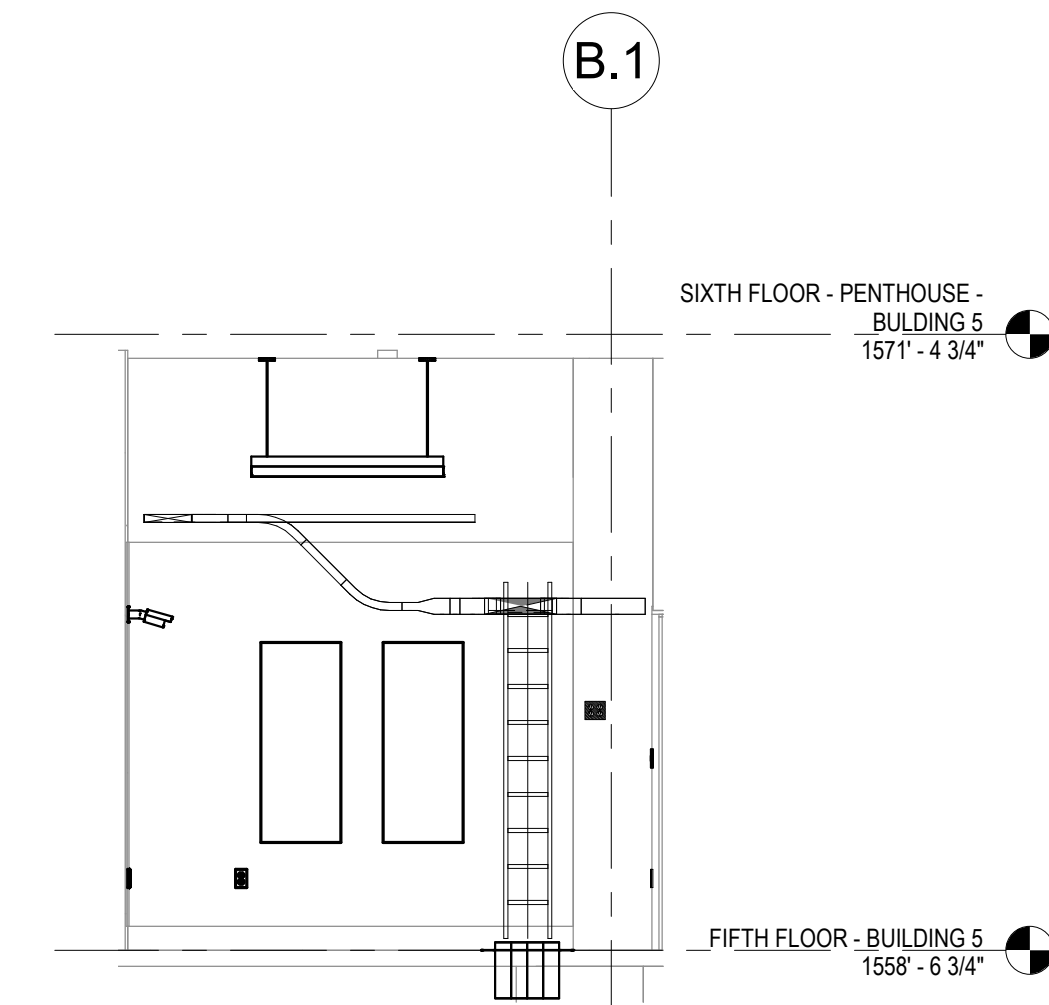
KEYPLAN

1 FIFTH LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 5
 1/8" = 1'-0"



INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.
 INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER.

Revisions: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	CONSULTANT   SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5320 www.specializedeng.com		ARCHITECT/ENGINEER OF RECORD  13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 e-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090		STAMP  Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 REGISTERED COMMUNICATIONS DISTRIBUTION	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title FIFTH LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 5 Approved: _____	Phase BID DOCUMENTS FULLY SPRINKLERED	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES Location Sioux Falls, SD Issue Date 07/06/2021	Checked KSB Drawn NMT	Project Number 438-20-910 Building Number 5 Drawing Number TN151-05
	VA FORM 08 - 6231										



7 22 - a
1/4" = 1'-0"

6 22 - b
1/4" = 1'-0"

5 22 - c
1/4" = 1'-0"

4 22 - d
1/4" = 1'-0"

CABLING NOTES:

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

ROOM 546

EXISTING CABLE COUNT
DATA (CAT6): 308
DATA (CAT5): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

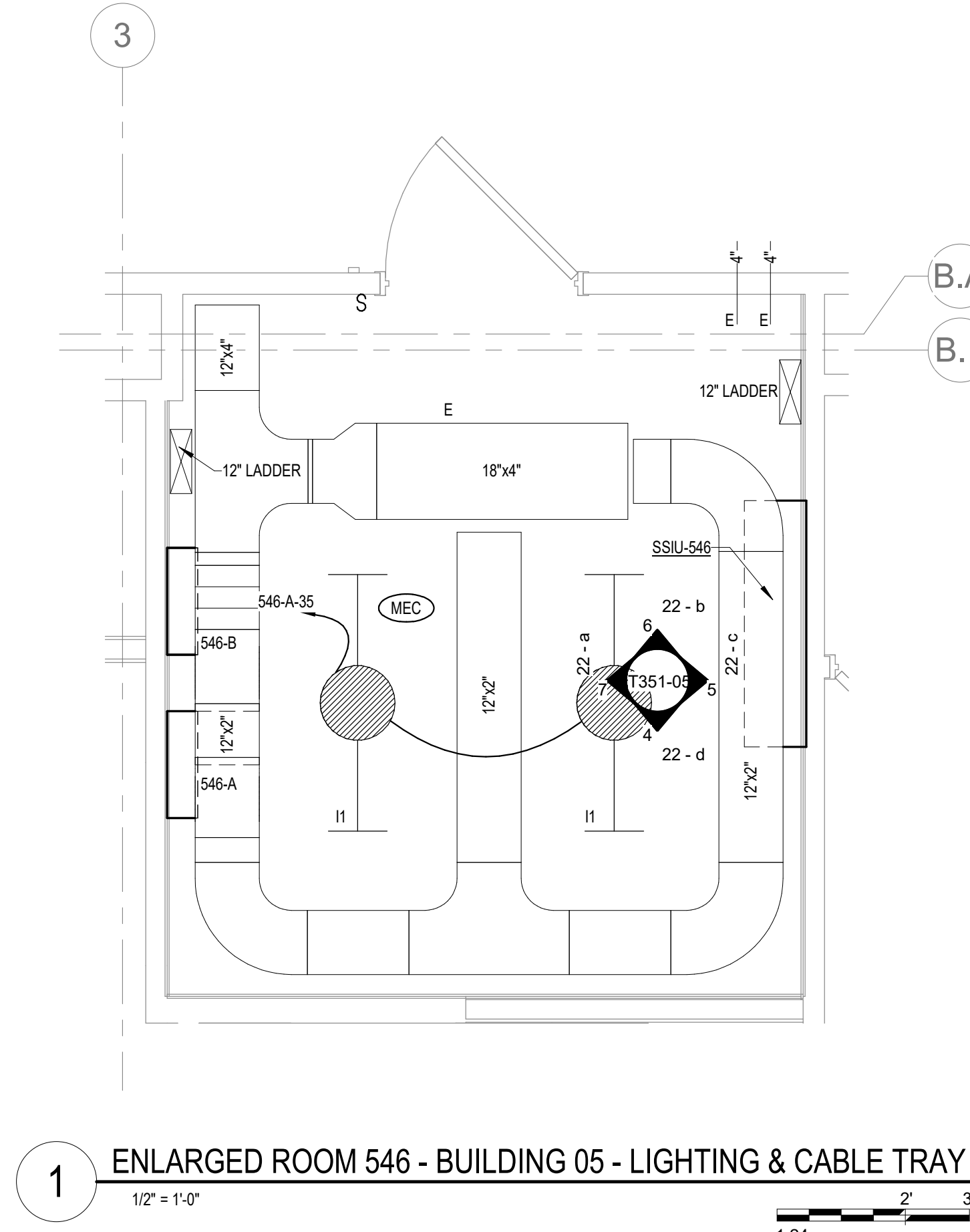
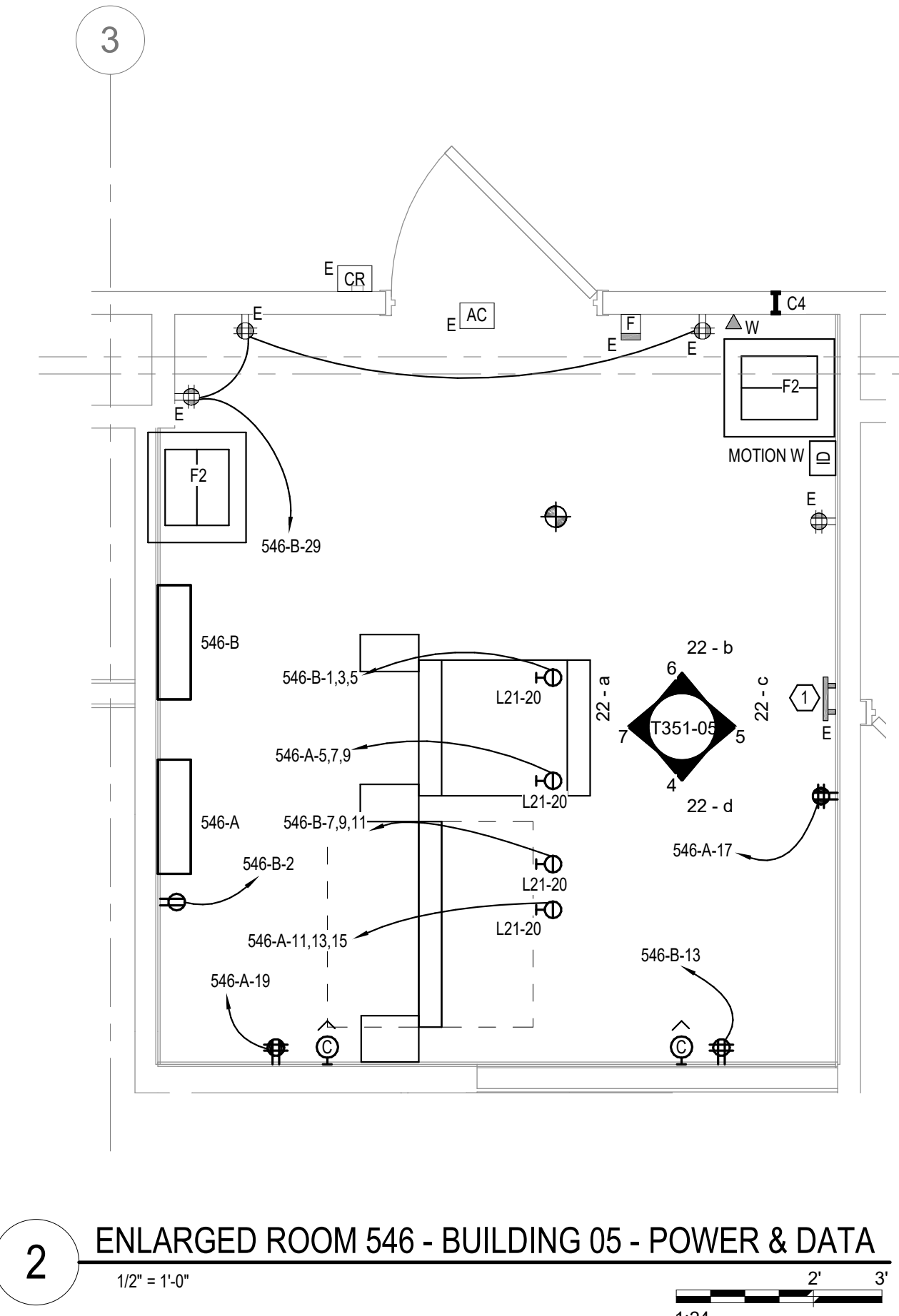
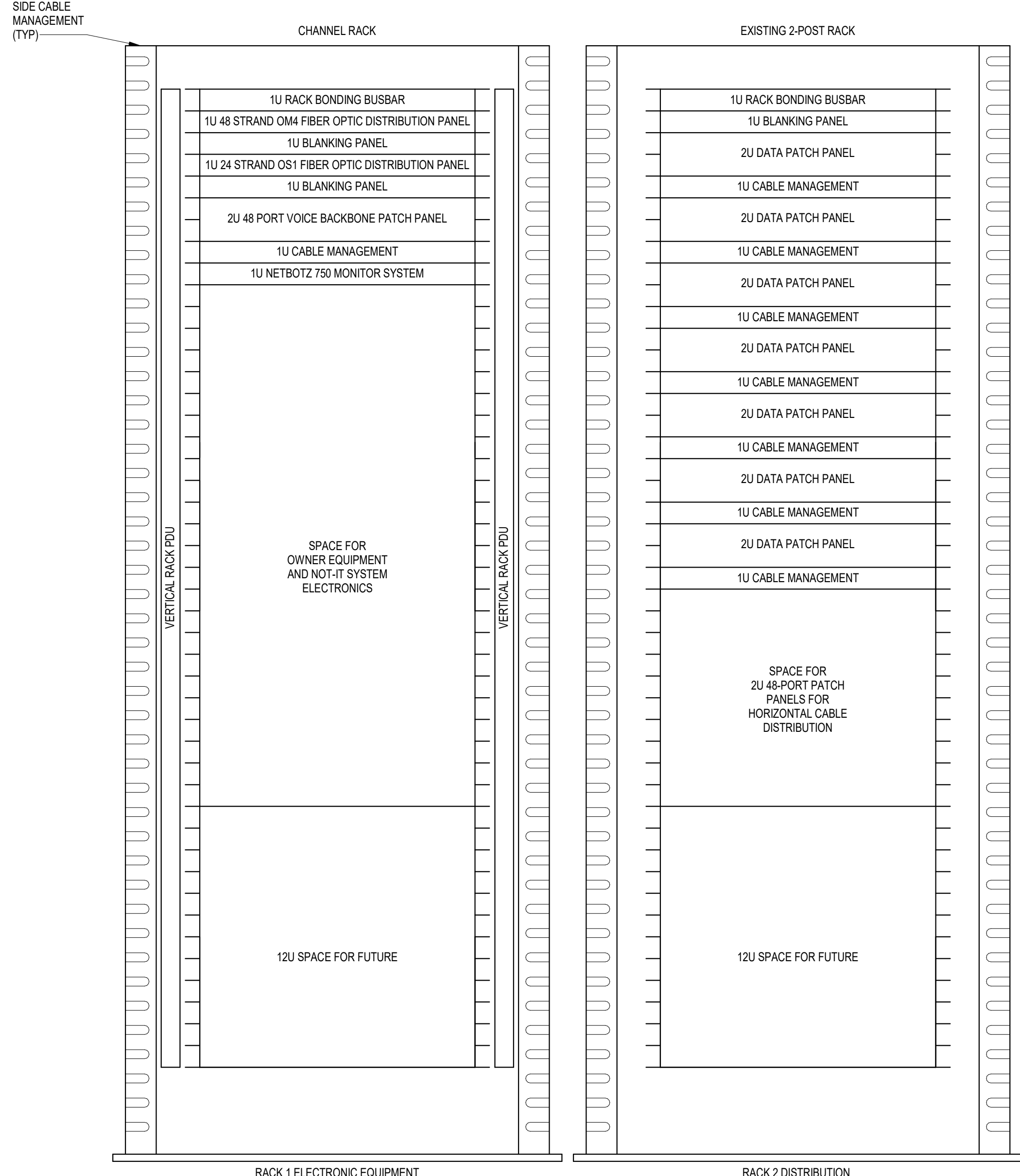
CABLE RELOCATION COUNT
DATA (CAT6): 0
DATA (CAT5): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN
DATA (CAT6): 308
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT
DATA (CAT6): 308
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

SHEET NOTES:

1. PROVIDE NEW BONDING CONDUCTOR AS SHOWN ON TELECOMMUNICATIONS ROUTING SCHEMATIC ON SHEET EE600.



- NOTES:**
- COORDINATE FINAL RACK LAYOUT WITH OWNER'S S/I/T REPRESENTATIVE.
 - PROVIDE COMPONENTS NOT LISTED BY OWNER.
 - SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
 - COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
 - REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
 - COORDINATE INSTALLATIONS WITH OWNER'S S/I/T REPRESENTATIVE.

3 RACK ELEVATION - ROOM 546
NO SCALE

BIM 360/202535-002 - VA Sioux Falls EHRM202535-002 - VA Sioux Falls EHRM202535-002 - VA Sioux Falls EHRM202535-002

Revisions:	Date:

CONSULTANT 	SPECIALIZED ENGINEERING SOLUTIONS 	ARCHITECT/ENGINEER OF RECORD 	STAMP 	Office of Construction and Facilities Management 	Drawing Title ENLARGED ROOM 546 Approved:	Phase BID DOCUMENTS FULLY SPRINKLERED	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES Location Sioux Falls, SD Issue Date 07/06/2021 Checked KSB Drawn NMT	Project Number 438-20-910 Building Number 5 Drawing Number T351-05
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A

B

C

D

E

F

LIGHTING PANEL: 546-B

LOCATION: TELECOMM 546 VOLTS: 208/120 WYE MAINS TYPE: MCB
SUPPLY FROM: B2 PHASES: 3 MCB/MLO RATING: 100 A
BRANCH: NORMAL WIRES: 4 MCB OPTIONS: MCB
SERVICE RATED: No INTEGRAL SPD: Yes AVAILABLE SCC (KA): 2.0 SECTIONS: 1
MOUNTING: SURFACE PANEL POLES: 42
NEMA ENCLOSURE: 1

Table with columns: C..., CIRCUIT DESCRIPTION, OPT, RATI..., POL..., A, B, C, POL..., RATI..., OPT, CIRCUIT DESCRIPTION, C...
Rows include: 1 1922... 180 VA, 3 1922 VA, 1 20 A, REC TELECOMM 546, 3 PWR-C TELECOMM 546 - RACK RECEPTACLE, 5 1922..., 7 PWR-C TELECOMM 546 - RACK RECEPTACLE, 9 1922 VA, 11 REC TELECOMM 546, 13 20 A 1 360 VA, 15 SPARE, 17 SPARE, 19 0 VA, 21 SPARE, 23 20 A 1 0 VA, 25 SPARE, 27 SPARE, 29 REC 0 A 1 1080 VA, 31, 33, 35, 37, 39, 41

TOTAL LOAD: 4383 VA 3843 VA 4923 VA
TOTAL AMPS: 37 A 32 A 42 A

Table with columns: LOAD CLASSIFICATION, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, PANEL TOTALS
Rows include: REC 1620 VA 100.00% 1620 VA, PWR-NC 11530 VA 93.37% 10765 VA, DEMAND LOAD: 12385 VA, DEMAND CURRENT: 54 A, CONSIDER 125% DEMAND: 15481 A, EQUIPMENT AMPS: 100 A, FEEDER AVAILABLE: 65 %, SPARE CAPACITY: 66 A

OPTIONS:
CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING
GENERAL REMARKS:
A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

LIGHTING PANEL: 546-A

LOCATION: TELECOMM 546 VOLTS: 208/120 WYE MAINS TYPE: MCB
SUPPLY FROM: A2 PHASES: 3 MCB/MLO RATING: 100 A
BRANCH: CRITICAL WIRES: 4 MCB OPTIONS: MCB
SERVICE RATED: No INTEGRAL SPD: Yes AVAILABLE SCC (KA): 2.1 SECTIONS: 1
MOUNTING: SURFACE PANEL POLES: 42
NEMA ENCLOSURE: 1

Table with columns: C..., CIRCUIT DESCRIPTION, OPT, RATI..., POL..., A, B, C, POL..., RATI..., OPT, CIRCUIT DESCRIPTION, C...
Rows include: 1 SSIU-511/SSOU-511, 3 25 A 2 1195..., 5 PWR-C TELECOMM 546 - RACK RECEPTACLE, 7 1922..., 9 1922 VA, 11 PWR-C TELECOMM 546 - RACK RECEPTACLE, 13 20 A 3 1922..., 15 1922 VA, 17 REC TELECOMM-2 546-2, 19 20 A 1 360 VA, 21 SPARE, 23 20 A 1 0 VA, 25 SPARE, 27 20 A 3 0 VA, 29 0 VA, 31 SPARE, 33 20 A 1 0 VA, 35 LTG TELECOMM 546, 37 50 VA, 39, 41

TOTAL LOAD: 5398 VA 5038 VA 4253 VA
TOTAL AMPS: 46 A 43 A 35 A

Table with columns: LOAD CLASSIFICATION, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, PANEL TOTALS
Rows include: LTG 50 VA 125.00% 62 VA, REC 720 VA 100.00% 720 VA, MTR 2390 VA 124.22% 2969 VA, PWR-NC 11530 VA 93.37% 10765 VA, DEMAND LOAD: 14690 VA, DEMAND CURRENT: 41 A, CONSIDER 125% DEMAND: 18145 A, EQUIPMENT AMPS: 100 A, FEEDER AVAILABLE: 59 %, SPARE CAPACITY: 60 A

OPTIONS:
CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING
GENERAL REMARKS:
A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

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Table with columns: Revisions, Date
Rows: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

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STAMP
Bicsi
Nathan Timm
BICSI ID # 346555
EXPIRES 12-31-22

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
PANEL SCHEDULES - BUILDING 5 - FIFTH LEVEL
Approved:

Phase
BID DOCUMENTS
FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES
Location
Sioux Falls, SD
Issue Date
07/06/2021
Checked
KSB
Drawn
NMT

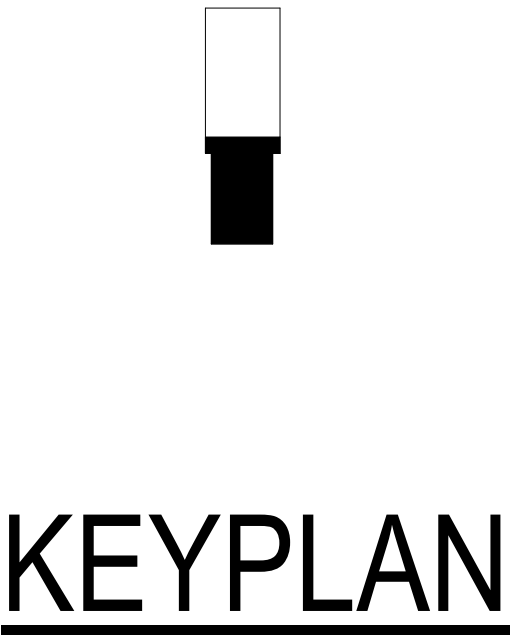
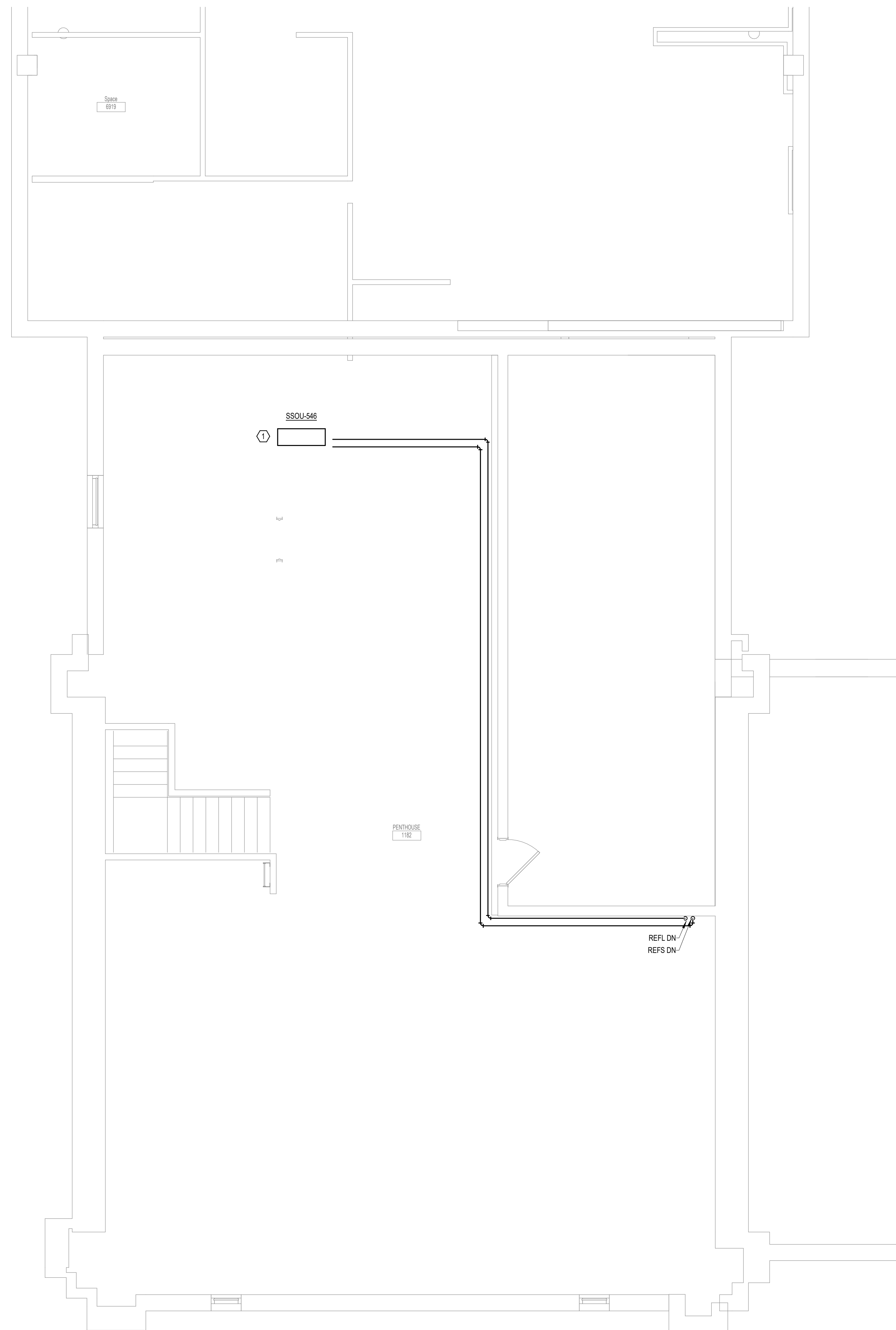
Project Number
438-20-910
Building Number
5
Drawing Number
EE451-05

GENERAL NOTES:

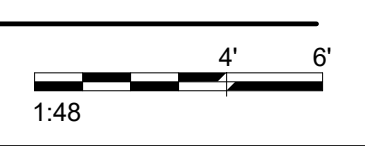
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
- ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
- UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
- THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

SHEET NOTES:

- INSTALL REFRIGERANT PIPING AS HIGH AS POSSIBLE IN PENTHOUSE. INSTALL SSOU-546 ON ROOF DIRECTLY EAST OF PENTHOUSE.



1 ROOF PIPING PLAN - BUILDING 5
1/4" = 1'-0"



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Revisions:	Date:


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Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title
ROOF PIPING PLAN - BUILDING 5

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
Sioux Falls, SD

Issue Date
07/06/2021

Checked
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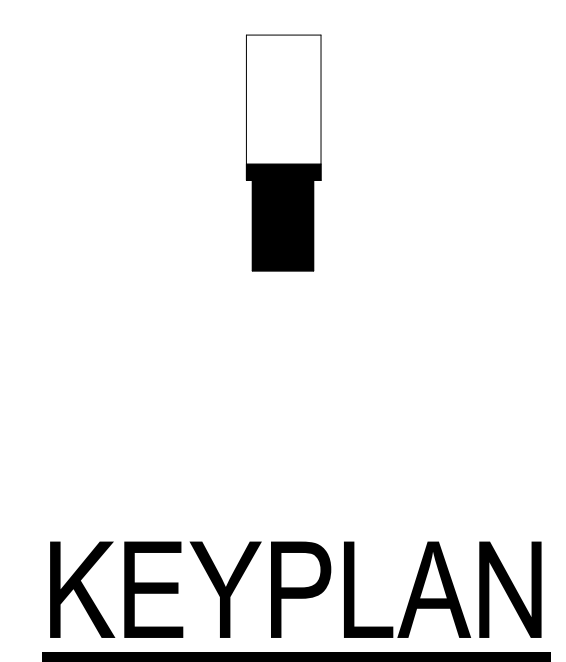
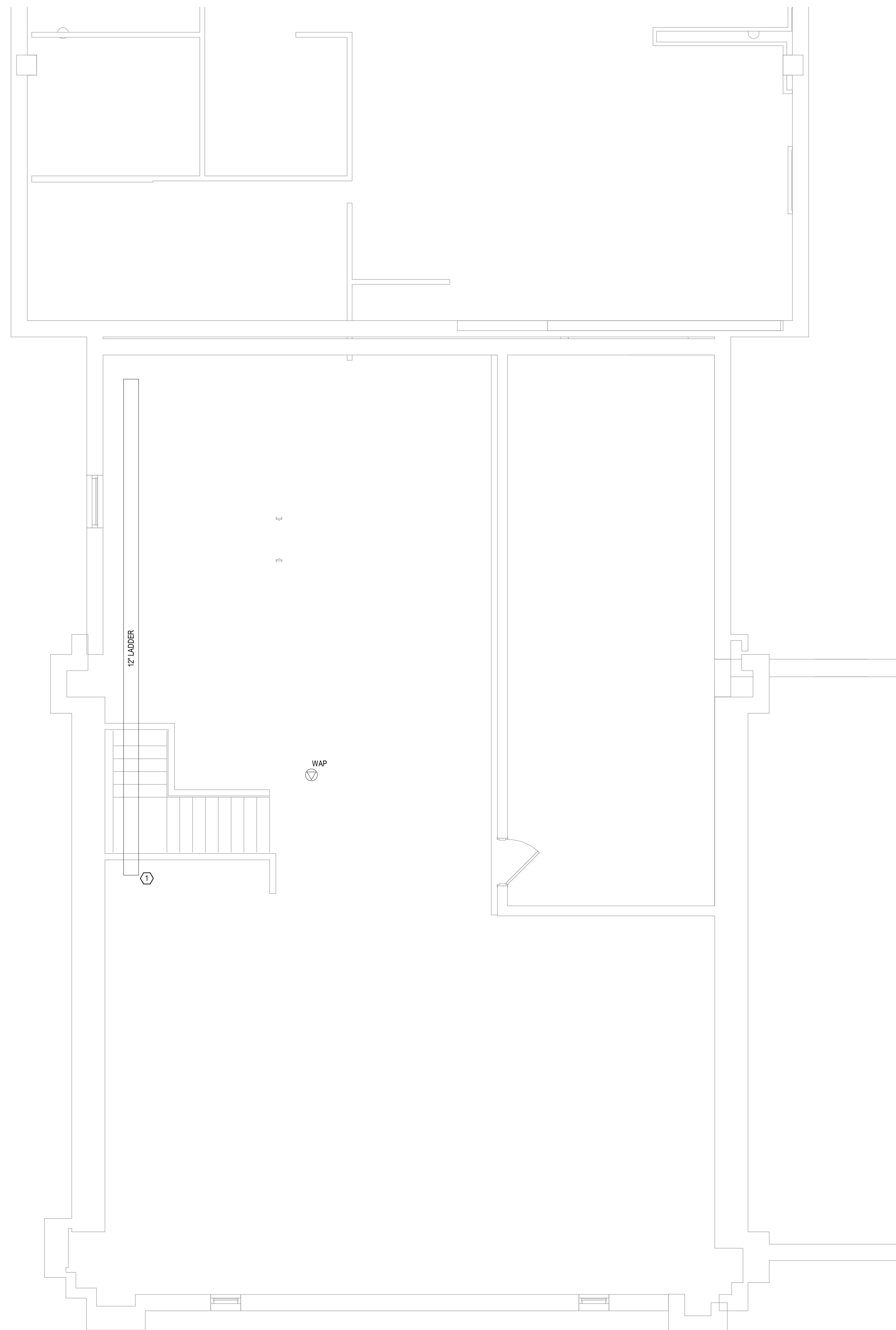
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Project Number
438-20-910

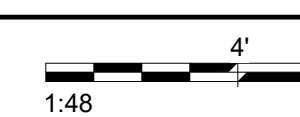
Building Number
5

Drawing Number
MP161-05

SHEET NOTES:
 1. DEMOLISH ABANDONED CABLING IN EXISTING LADDER CABLE TRAY.



1 ROOF ELECTRICAL DEMOLITION PLAN - BUILDING 5
 1/4" = 1'-0"

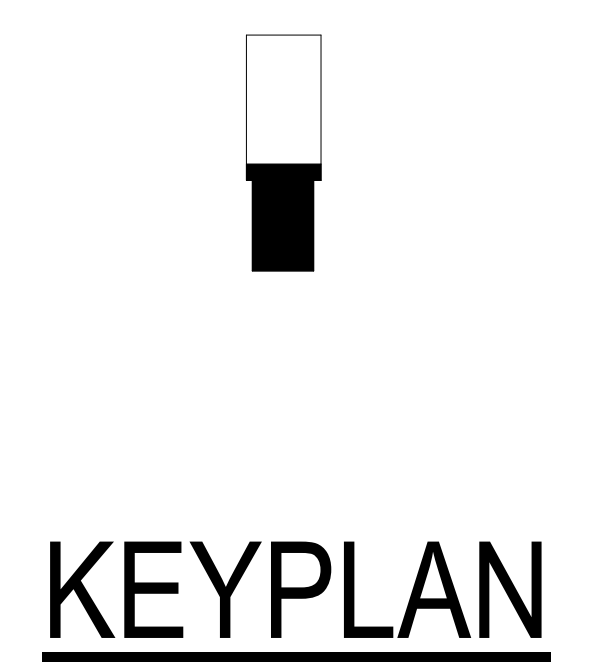
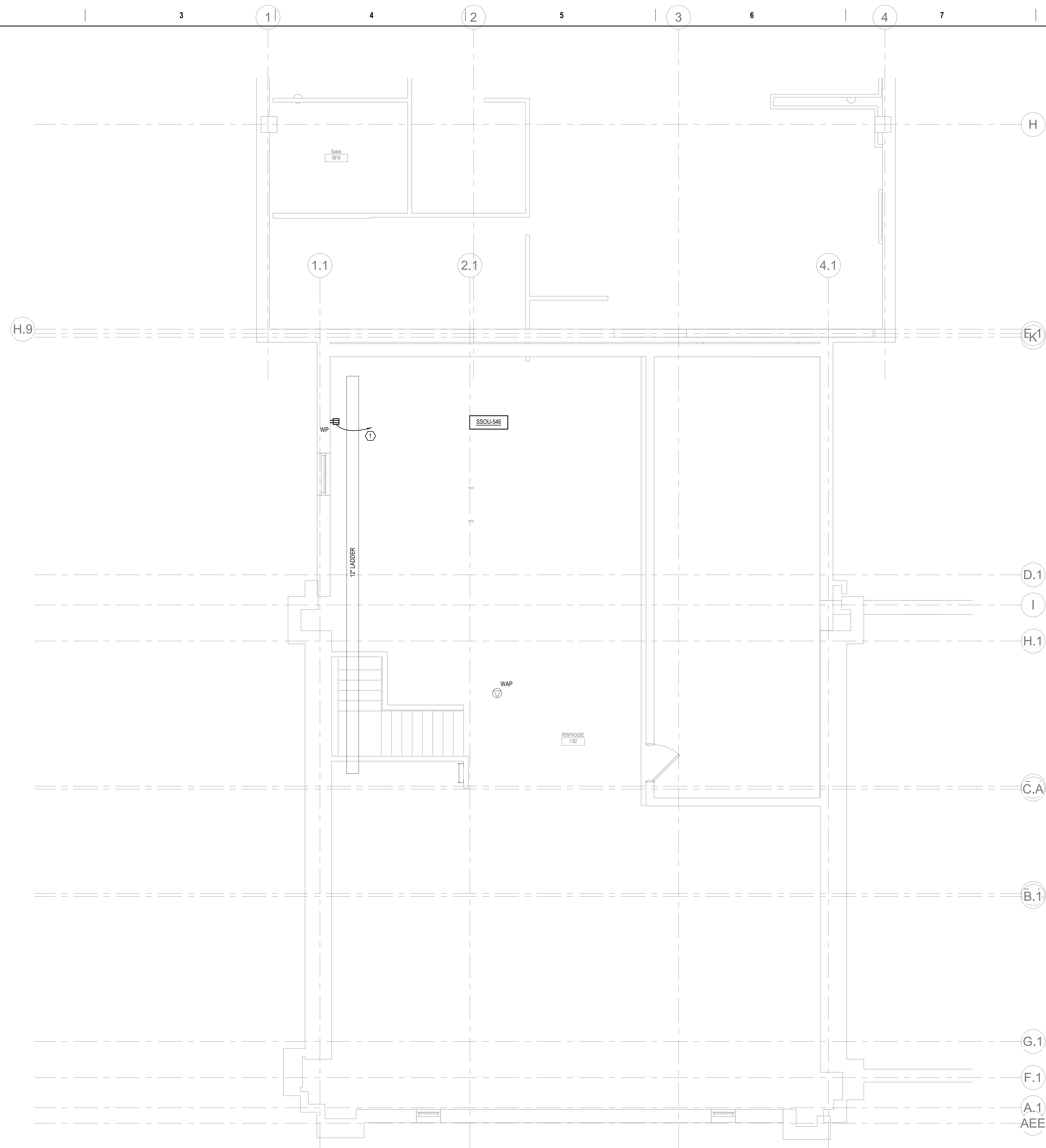


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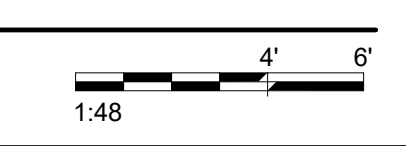
Revisions:	Date:

CONSULTANT  10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com		ARCHITECT/ENGINEER OF RECORD  13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090		STAMP 	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title ROOF ELECTRICAL DEMOLITION PLAN - BUILDING 5 Approved:	Phase BID DOCUMENTS FULLY SPRINKLERED	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES Location Sioux Falls, SD Issue Date 07/06/2021	Project Number 438-20-910 Building Number 5 Drawing Number ED161-05 Checked KSB Drawn NMT
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SHEET NOTES:
 1. POWER DEVICE TO NEAREST AVAILABLE BRANCH CIRCUIT FEEDING RECEPTACLES IN THIS AREA OR AREA BELOW.



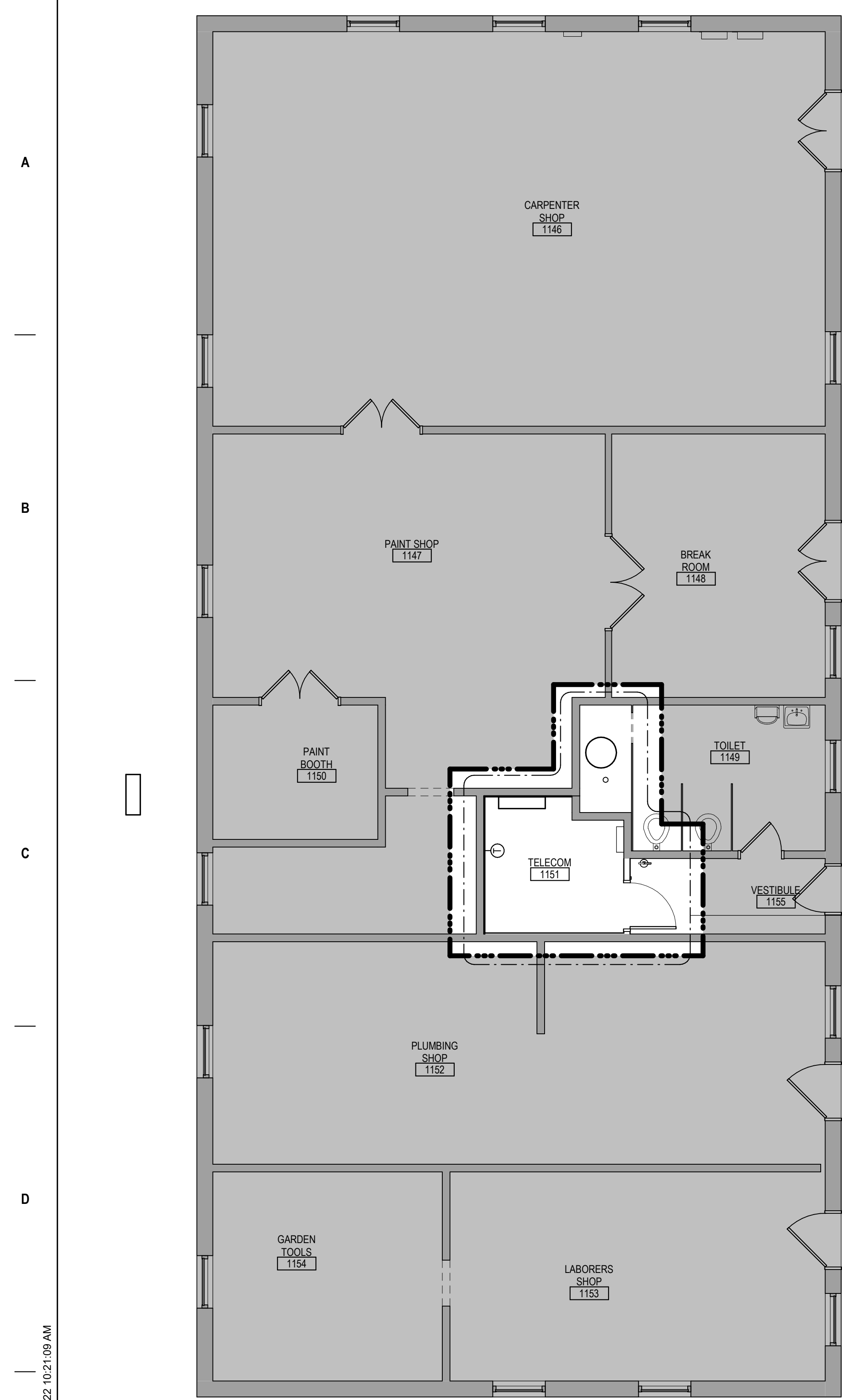
1 ROOF LOW VOLTAGE PLAN - BUILDING 5
 1/4" = 1'-0"



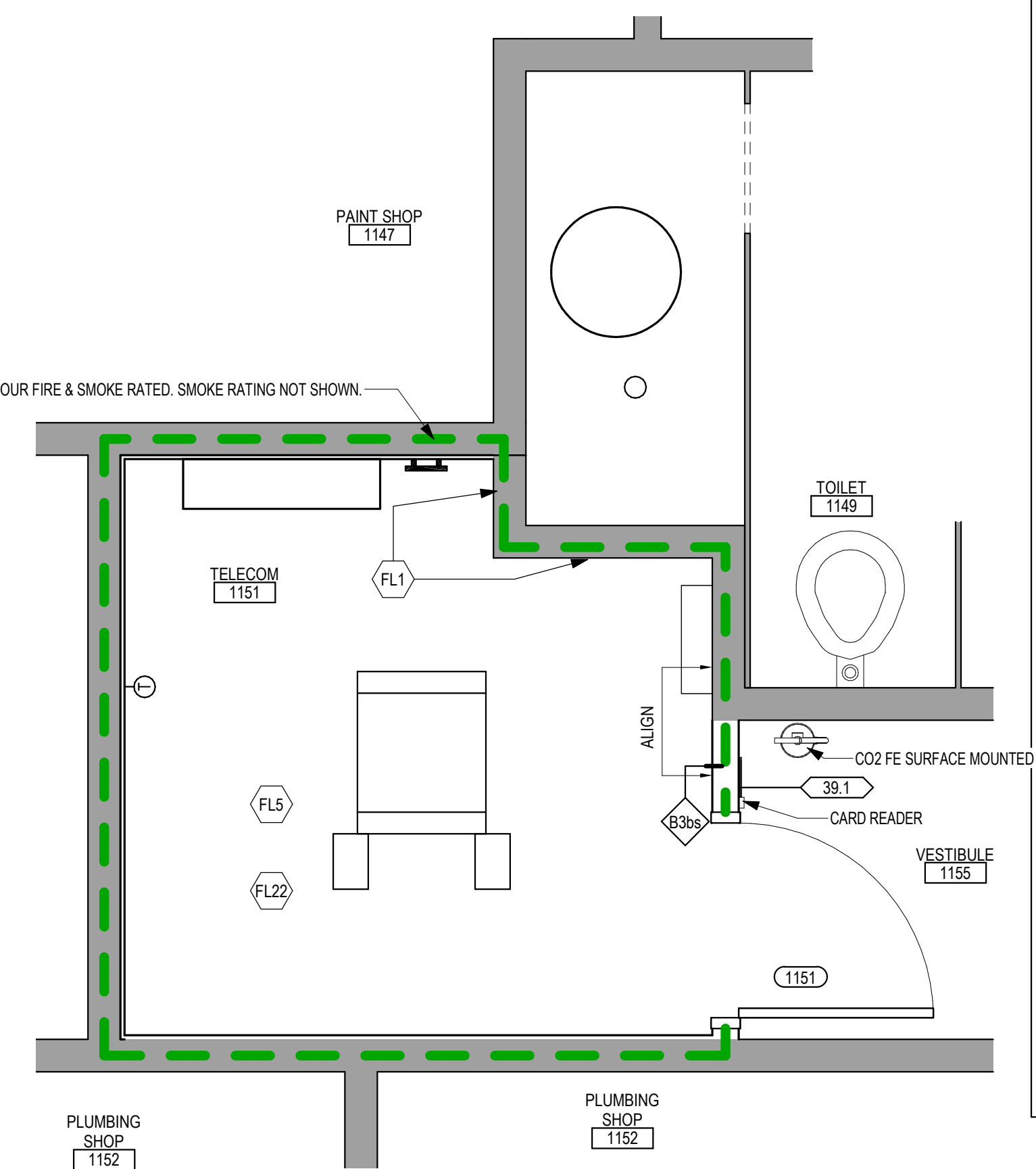
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Revisions:	Date:

CONSULTANT SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellison Circle Omaha, NE 68134 Phone: 402.391.5520 www.specializedeng.com	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 REGISTERED COMMUNICATIONS DISTRIBUTION	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title ROOF LOW VOLTAGE PLAN - BUILDING 5	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910
				Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 5
				Issue Date 07/06/2021	Checked KSB	Drawn NMT	Drawing Number TN161-05



1 FIRST LEVEL FLOOR PLAN - BUILDING 7
3/16" = 1'-0"



2 ENLARGED PLAN - TELECOM 1151 - BUILDING 7
1/2" = 1'-0"

FLOOR PLAN SYMBOLS

	EXISTING WALL TO REMAIN	8'-0"	DIMENSION LINE, NOMINAL
	WALL	8'-0"	EXTENDED DIMENSION LINE, NOMINAL
	EXISTING DOOR AND FRAME TO REMAIN	1A AE211	INTERIOR ELEVATION INDICATOR TAG
	DOOR	1A AE201	EXTERIOR ELEVATION INDICATOR TAG
	INTERIOR BORROWED LIGHT	203	EQUIPMENT TAG
	WALL TAG	100	FLOOR SPOT ELEVATION
	OFFICE	101	ROOM NAME AND NUMBER
	KEY NOTE	FP10	DETAIL REFERENCE TAG
	INTERIOR SECTION REFERENCE TAG	1A AE201	EXTERIOR SECTION REFERENCE TAG
	REVISION TAG	PR01	REVISION CLOUD
	GRIDLINE	A	SIGN TAG

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

GENERAL NOTES

- THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.
- CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
- GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
- FIREPROOFING SHALL BE UNPIERCED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING, AT THE SUBCONTRACTOR'S EXPENSE.
- EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY. VERIFY SIZE WITH MANUFACTURER.
- ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
- ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
- VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
- PROVIDE UNTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR. VERIFY SIZE AND LOCATION.
- STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
- AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, REMOVE 3/4" FRT PLYWOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL EVALUATE INTEGRITY OF ALL PARTITIONS INDICATED BY SYMBOLS ON THE LIFE SAFETY PLANS) WITHIN THE PROJECT SCOPE AND UPGRADE AS REQUIRED. ALL FIRE RESISTIVE RATED WALLS SHALL BE CONSTRUCTED OF MATERIALS / ASSEMBLIES MEETING THE RATING INDICATED. TERMINATE AT THE DECK ABOVE WITH A TESTED HEAD OF WALL ASSEMBLY AND ALL PENETRATIONS SHALL BE SEALED WITH A TESTED ASSEMBLY. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED OF MATERIALS THAT RESIST THE PASSAGE OF SMOKE. TERMINATE AT THE DECK ABOVE WITH A JOINT SEALED WITH FIRE CAULK AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE CAULK.

LIFE SAFETY SYMBOLS

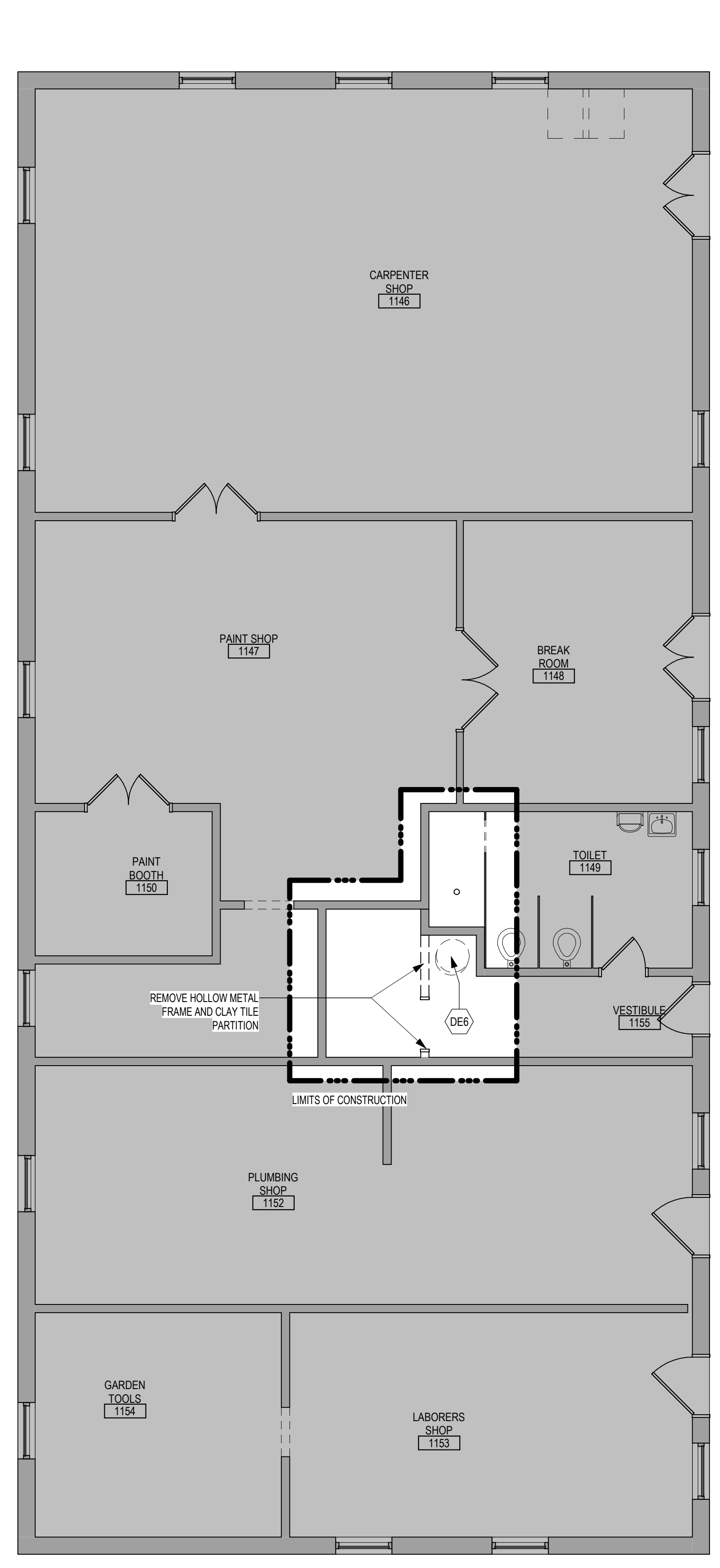
	SMOKE TIGHT ASSEMBLY	1 HOUR FIRE & SMOKE BARRIER
	1 HOUR FIRE BARRIER	2 HOUR FIRE & SMOKE BARRIER
	2 HOUR FIRE BARRIER	3 HOUR FIRE & SMOKE BARRIER
	3 HOUR FIRE BARRIER	FEC FIRE EXTINGUISHER CABINET

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

FLOOR PLAN KEYED NOTES

- FL1 PATCH PARTITION, BOTH SIDES, AS REQUIRED FROM MECHANICAL / ELECTRICAL WORK. SEE MECHANICAL / ELECTRICAL FOR ADDITIONAL INFORMATION.
- FL2 PROVIDE PARTITION TYPE XP3 INFILL AT REMOVED RADATOR GRILLES. PATCH PARTITION WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
- FL3 INFILL FLOOR TO MATCH EXISTING HEIGHT. SEE STRUCTURAL.
- FL4 PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. AS REQUIRED FROM DEMOLITION. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
- FL5 PROVIDE PLYWOOD 3 SIDES OF ROOM. SEE TYPICAL ELEVATIONS SHEET AE211
- FL6 INFILL OPENING IN CONCRETE FLOOR. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. PREP FLOOR FOR FINISHES AS SCHEDULED.
- FL7 PATCH FLOOR AT REMOVED ELECTRICAL. PREP FLOOR FOR FINISHES AS SCHEDULED.
- FL8 REINSTALL SALVAGED DOOR, FRAME AND ALL ASSOCIATED HARDWARE.
- FL9 REINSTALL SALVAGED LOCKER(S). PROVIDE PREMANUFACTURED BASE, FINISHED END PANEL(S) AND SLOPED TOP(S) TO MATCH EXISTING.
- FL10 REINSTALL SALVAGED SIGN(S)
- FL11 REINSTALL SALVAGED CEILING REMOVED FOR INSTALLATION OF MEP ITEMS. SEE MEP PLANS FOR ADDITIONAL INFORMATION.
- FL12 MODIFY BASE AND SLOPED TOP AT EXISTING LOCKERS. PROVIDE PREMANUFACTURED FINISHED END PANEL(S) TO MATCH EXISTING.
- FL13 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL. 3 / AF600
- FL14 PATCH FLOORING TO MATCH EXISTING FLOORING AS REQUIRED. CONTRACTOR TO PROVIDE LABOR AND MATERIALS.
- FL15 PATCH CONCRETE FLOOR AT REMOVED PARTITION AND/OR CONCRETE COVE BASE. PREP FOR FINISHES AS SCHEDULED.
- FL16 EDGE ILLUMINATED PHOTO MURALS. RECESSED IN PARTITION FOR ADDITIONAL INFORMATION SEE ELEVATION. 8 / AE211
- FL17 FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL. 2 / AF600
- FL18 PAINT WALLS P-1
- FL19 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL. 4 / AF600
- FL20 FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL. 5 / AF600
- FL21 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL. 6 / AF600
- FL22 UPGRADE PARTITIONS TO 1 HOUR FIRE AND SMOKE BARRIER ALL SIDES OF ROOM. PROVIDE TESTED HEAD OF PARTITION ASSEMBLY WITH MATERIALS THAT RESIST THE PASSAGE OF SMOKE. SEAL JOINT AT HEAD OF PARTITION AND ALL PENETRATIONS WITH FIRE CAULK.

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN



3 FIRST LEVEL DEMOLITION PLAN - BUILDING 7
3/16" = 1'-0"

NOTE: COORDINATE GENERAL DEMOLITION WORK WITH ABATEMENT AND REMEDIATION WORK.

DEMOLITION PLAN SYMBOLS

	EXISTING WALL TO REMAIN	EXISTING DOOR AND FRAME TO REMAIN
	WALL OR PARTITION TO BE REMOVED	EXISTING DOOR AND FRAME TO BE DEMOLISHED
	DASHED LINE INDICATES ITEM TO BE REMOVED (UNO)	KEY NOTE
	GRIDLINE	

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

DEMOLITION GENERAL NOTES

- GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK, PHASING AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DOCUMENTS IS FOR ARCHITECT - OWNER PLANNING PURPOSES ONLY. UNLESS NOTED OTHERWISE.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
- WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ALL ITEMS CONTAINED WITHIN, INCLUDING DOORS, FRAMES, HARDWARE, SHELVECHITS, WINDOWS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
- WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH TO FLOOR SLAB AS REQUIRED AND PREPARE SLAB SURFACE FOR SCHEDULED FINISHES WITH AREA TO BE REMODELED, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE FOR EXISTING FLOOR FINISHES TO REMAIN UNDISTURBED.
- WHERE CEILING IS INDICATED TO BE DEMOLISHED, REMOVE CEILING SUSPENSION SYSTEM ALONG WITH ALL ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS, UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING AND DUCTWORK DEMOLITION WITHIN AREA TO BE REMODELED.
- WHERE INDICATED, REMOVE ALL WALL/PARTITION EXISTING FINISHES AND PREPARE THE SURFACES FOR SCHEDULED FINISHES. SEE FINISH SCHEDULE FOR FINISHES.
- ALL DISTURBED AREAS, WALLS, PARTITIONS, FLOORS, ETC. DAMAGED BY DEMOLITION WORK SHALL BE PATCHED TO MATCH ADJACENT AREA.
- OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL SALVAGED ITEMS SUCH AS: DOORS, LIGHT FIXTURES, PLUMBING FIXTURES ETC.
- SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED AND/OR REFINISHED TO LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
- DO NOT REMOVE ANY EXISTING STRUCTURAL SUPPORT MEMBERS SUCH AS COLUMNS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS ETC. UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. ALL EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED. COORDINATE WITH STRUCTURAL ENGINEER.
- SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
- WALL AND CEILING MOUNTED ITEMS SHOWN DASHED, SUCH AS WALL CABINETS, SHELVECHIT CURTAIN TRACKS, PROJECTION SCREENS ETC. SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
- WITHIN ALL EXISTING ROOMS/SPACES RECEIVING SCHEDULED FLOOR, OR WALL, OR CEILING FINISHES, REMOVE ALL EXISTING FLOOR, OR WALL, OR CEILING FINISHES DOWN TO THE SUBSTRATE. INCLUDE THE REMOVAL OF ALL ITEMS LOCATED WITHIN THE EXISTING FINISH REMOVALS UNO PATCH AND PREP ALL SUBSTRATES TO RECEIVE SCHEDULED FINISHES. FOR ADDITIONAL INFORMATION, SEE KEYNOTED ITEMS, FINISH PLANS AND/OR SCHEDULES, STRUCTURAL, MECHANICAL AND ELECTRICAL.
- THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.

DEMOLITION PLAN KEYED NOTES

- DE1 REMOVE FLOOR FINISH IN ITS ENTIRETY. PATCH & PREP FLOOR FOR SCHEDULED FINISH. SEE SPECIFICATION SECTION 09 55 10 SUBSURFACE PREPARATION FOR FLOOR FINISHES.
- DE2 REMOVE CEILING IN ITS ENTIRETY. INCLUDING ALL MECHANICAL & ELECTRICAL ITEMS. SEE MECHANICAL / ELECTRICAL.
- DE3 REMOVE GYP BD ON ONE SIDE OF PARTITION AS REQUIRED. SEE PLANS AND MECHANICAL / ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- DE4 CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF DOOR AND FRAME AS SCHEDULED. SEE PLAN.
- DE5 REMOVE PORTION OF CEILING AS REQUIRED. SEE PLANS FOR ADDITIONAL INFORMATION.
- DE6 REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED PIPING. - SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- DE7 REMOVE BASE CABINETS, UPPER CABINETS, TALL CABINETS AND/OR COUNTERTOP.
- DE8 REMOVE CEILING IN THIS AREA AS REQUIRED FOR MEP WORK. SALVAGE CEILING WHERE APPROPRIATE FOR REINSTALLATION. SEE PLANS FOR ADDITIONAL WORK.
- DE9 REMOVE CONDUITS THROUGH FLOOR. SEE PLAN FOR ADDITIONAL INFORMATION.
- DE10 REMOVE PARTITION MOUNTED MIRROR AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION.
- DE11 REMOVE SURFACE MOUNTED PLYWOOD. TEMPORARILY SUPPORT ANY EQUIPMENT. SEE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
- DE12 REMOVE COVED CONCRETE BASE AT PARTITION.
- DE13 REMOVE PREMANUFACTURED PLASTIC LOCKER(S). SALVAGE FOR REINSTALLATION.
- DE14 REMOVE RAISED FLOOR SYSTEM IN ITS ENTIRETY AND METAL RAMP FOR ADDITIONAL INFORMATION.
- DE15 REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION.
- DE16 REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. IN PREPARATION FOR RESLOPING AND REROOFING. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION.
- DE17 REMOVE ROOF DRAIN AND ASSOCIATED PIPING. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
- DE18 REMOVE METAL LOUVER AND ALL ASSOCIATED MOUNTING HARDWARE. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
- DE19 CUT OPENING IN BRICK AND METAL STUD BACK UP WALL FOR DOOR AND FRAME AS SCHEDULED. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION.
- DE20 REMOVE PARTIAL HEIGHT CERAMIC TILE AT SINK
- DE21 REMOVE METAL RADIATOR COVER
- DE22 REMOVE SURFACE APPLIED WALL COVERING, TRIM, VINYL BASE AND / OR CRASH / HAND RAIL AS NEEDED.
- DE23 REMOVE DOOR, FRAME AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION. SEE PLAN.
- DE24 REMOVE ALUMINUM WINDOW SYSTEM AND ALL ASSOCIATED HARDWARE. REMOVE CAST STONE SILL, EXTERIOR, AND SOLID SURFACE SILL, INTERIOR.
- DE25 CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF EDGE ILLUMINATED PHOTO MURALS
- DE26 SAW CUT FACE BRICK AND REMOVE PORTION OF WALL. SEE PLAN FOR ADDITIONAL INFORMATION.

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

Revisions:	Date:

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title

FIRST LEVEL DEMOLITION PLAN, FLOOR PLAN & ENLARGED PLAN - BUILDING 7

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location

Sioux Falls, SD

Issue Date

02/18/2022

Checked

Author

Project Number

438-20-910

Building Number

7

Drawing Number

AE111-07

A

B

C

D

E

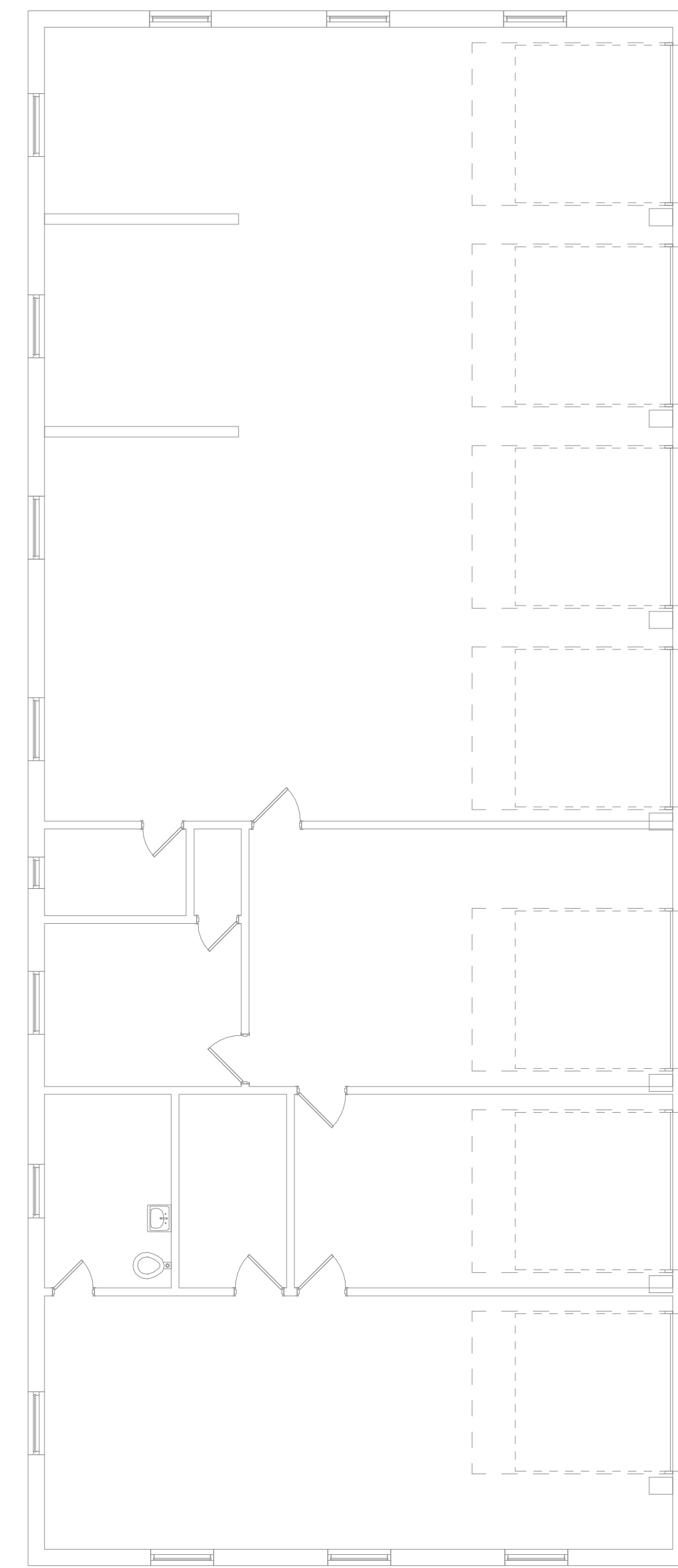
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GENERAL NOTES:

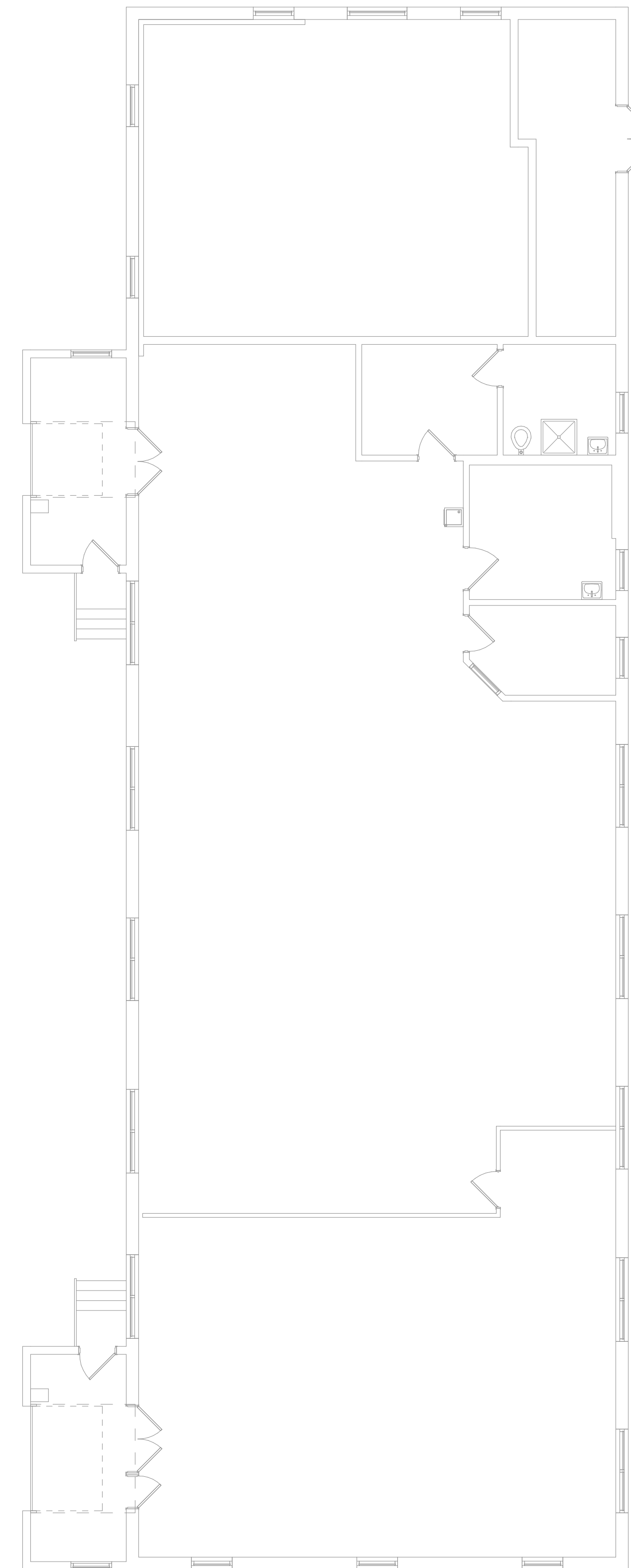
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
- ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
- UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
- THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

SHEET NOTES:

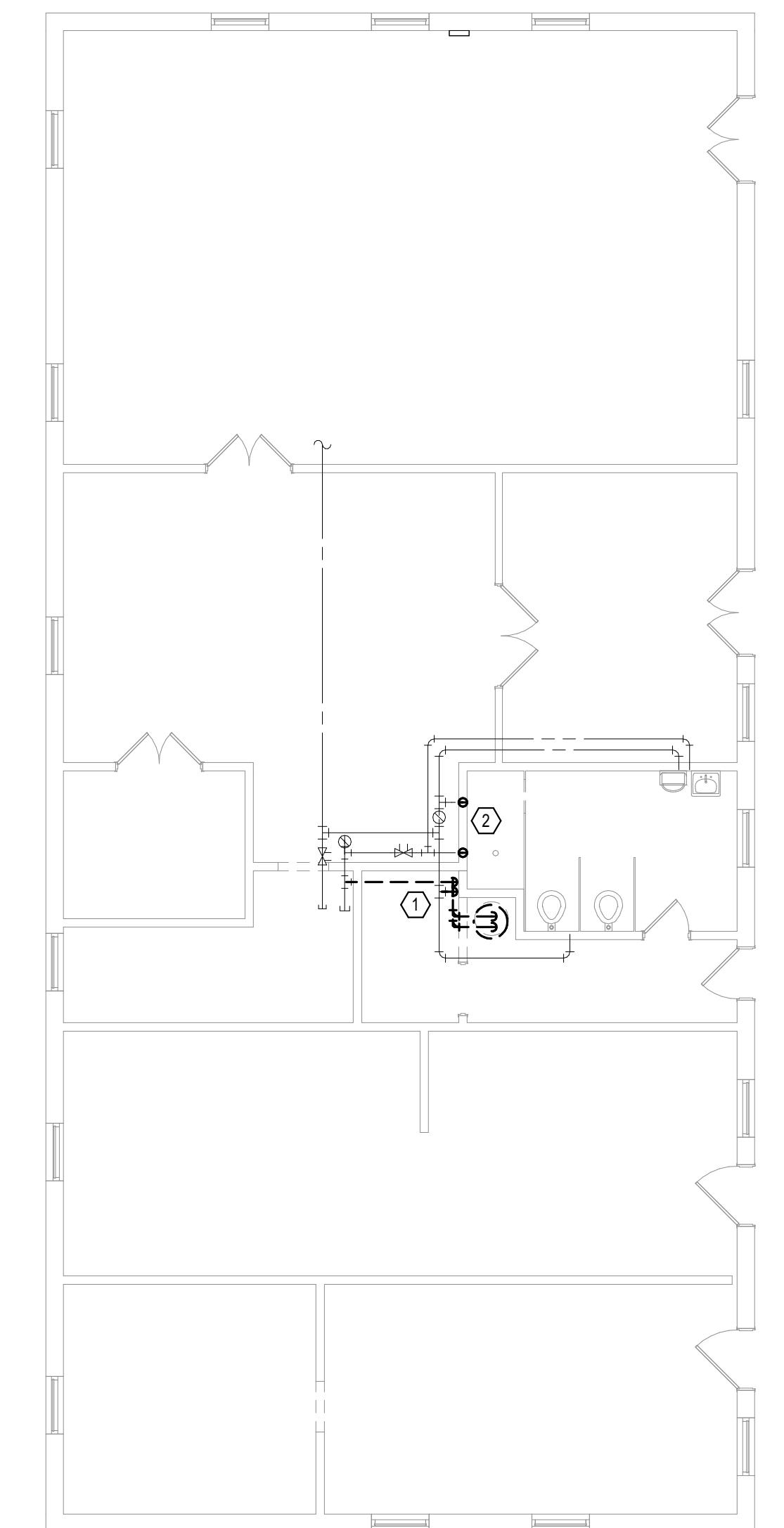
- DEMOLISH WATER HEATER AND DCW AND DHW CONNECTIONS BACK TO EXTENTS SHOWN AND CAP.
- DEMOLISH SHOWER FIXTURE AND DCW AND DHW IN WALL. PREPARE PLUMBING PIPING FOR RECONNECTION TO NEW WATER HEATER.



3 FIRST LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 8
1/8" = 1'-0"
1:96



2 FIRST LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 7
1/8" = 1'-0"
1:96



1 FIRST LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 9
1/8" = 1'-0"
1:96

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Revisions:	Date:


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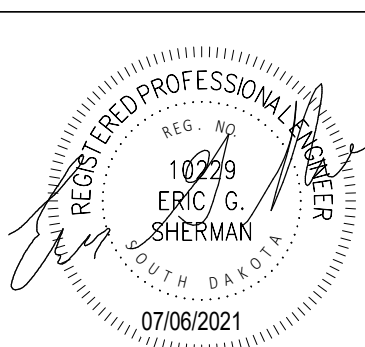
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Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL MECHANICAL DEMOLITION PLAN - BUILDING 7, 8 & 9

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
Sioux Falls, SD

Issue Date
07/06/2021

Checked
EGS

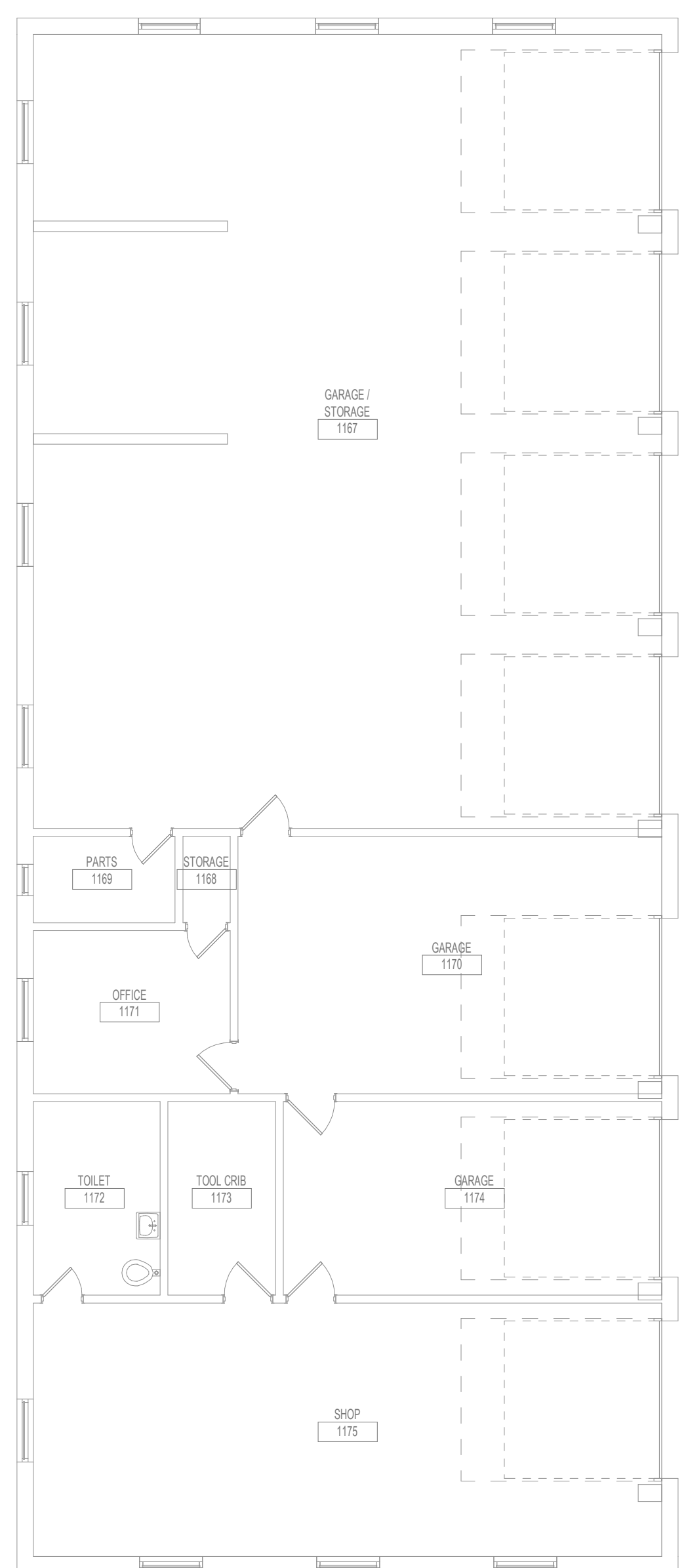
Drawn
PHV

Project Number
438-20-910

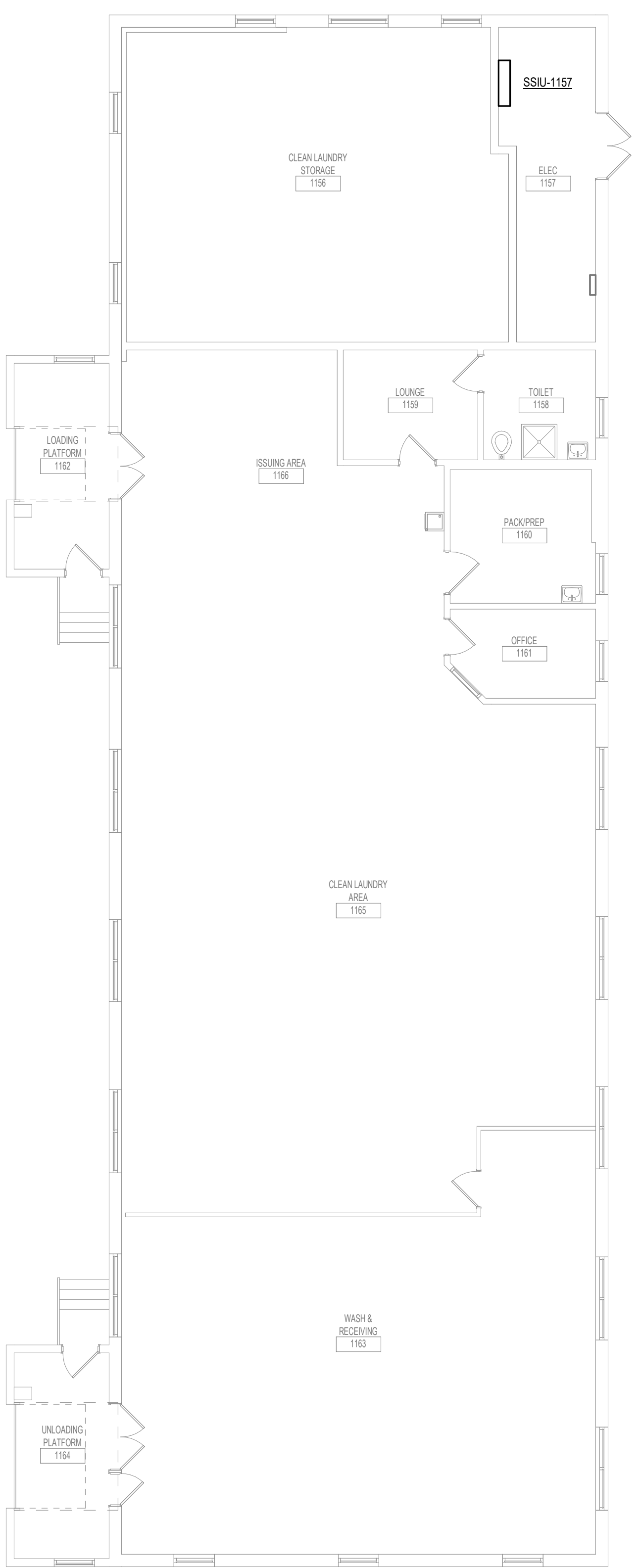
Building Number
7, 8, 9

Drawing Number
MD111-07-09

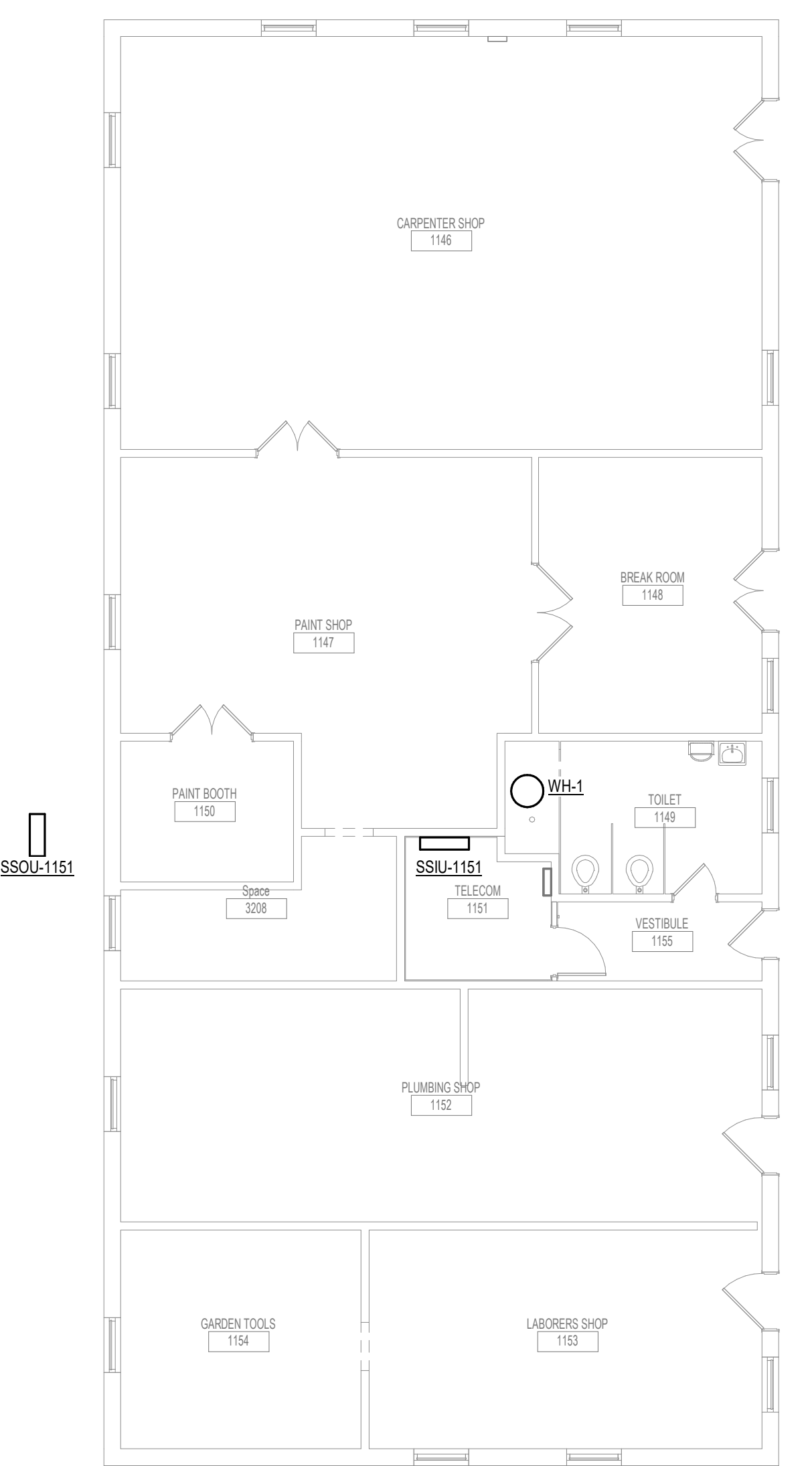
- GENERAL NOTES:**
1. COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
 2. ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
 3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
 4. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.



3 FIRST LEVEL DUCTWORK FLOOR PLAN - BUILDING 7
 1/8" = 1'-0"
 1:96



2 FIRST LEVEL DUCTWORK FLOOR PLAN - BUILDING 8
 1/8" = 1'-0"
 1:96



1 FIRST LEVEL DUCTWORK FLOOR PLAN - BUILDING 9
 1/8" = 1'-0"
 1:96

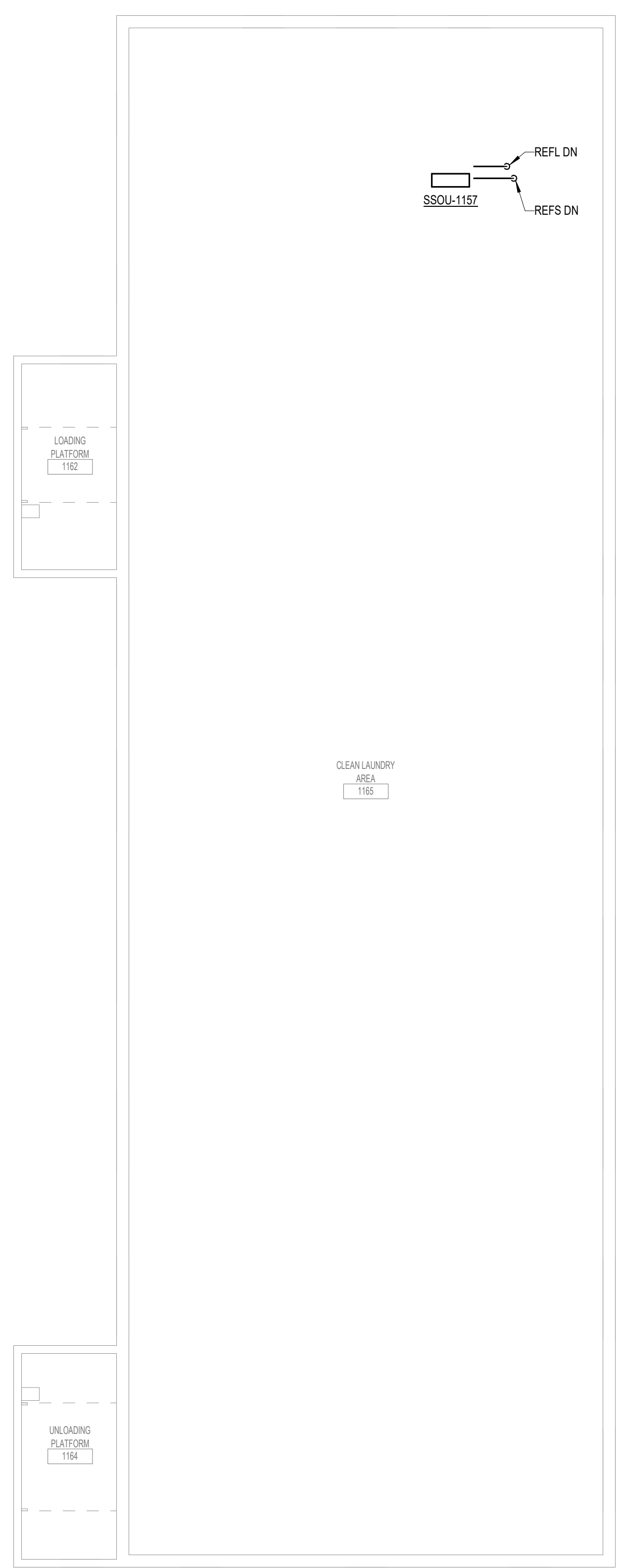
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Revisions:	Date:

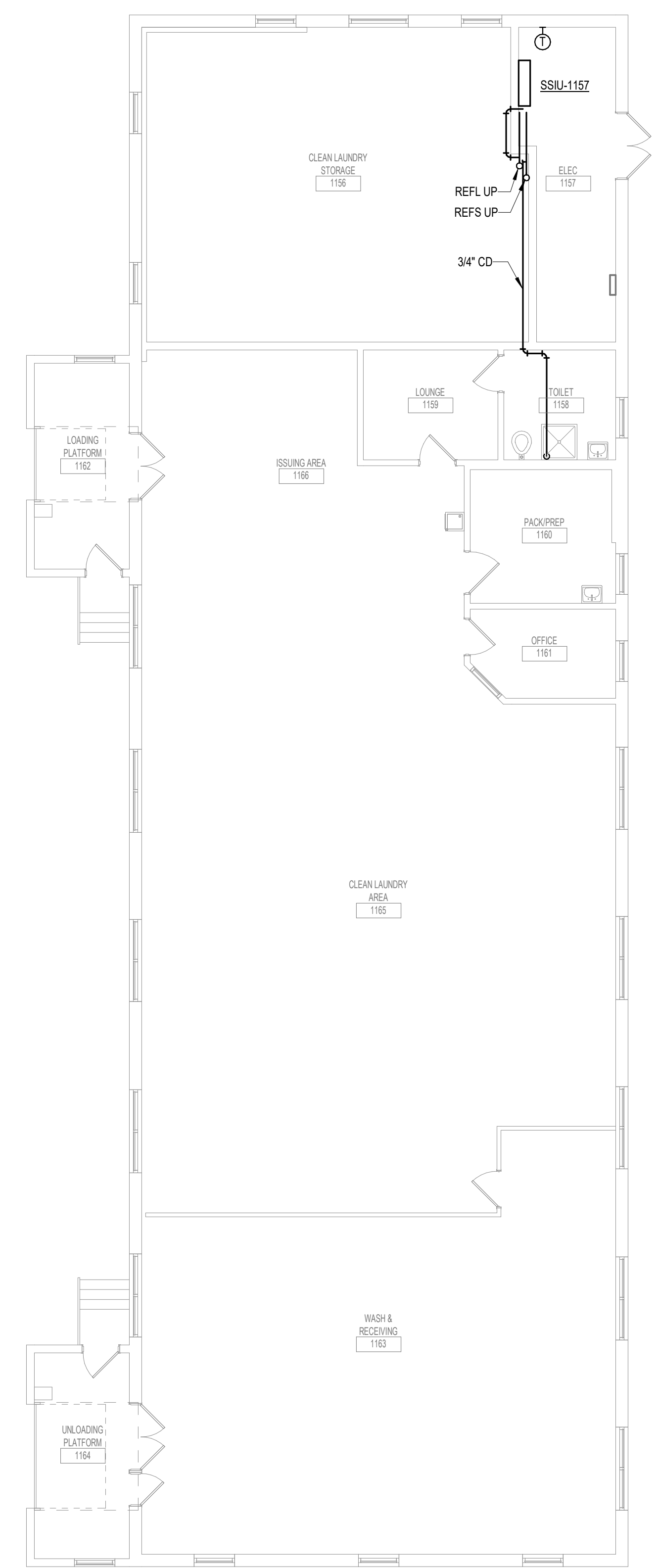
CONSULTANT AST	ARCHITECT/ENGINEER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title FIRST LEVEL DUCTWORK PLAN - BUILDING 7, 8 & 9	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910
				Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 7, 8, 9
Date:	Issue Date 07/06/2021	Checked EGS	Drawn PHV	Drawing Number MH111-07-09			

- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
 - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
 - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
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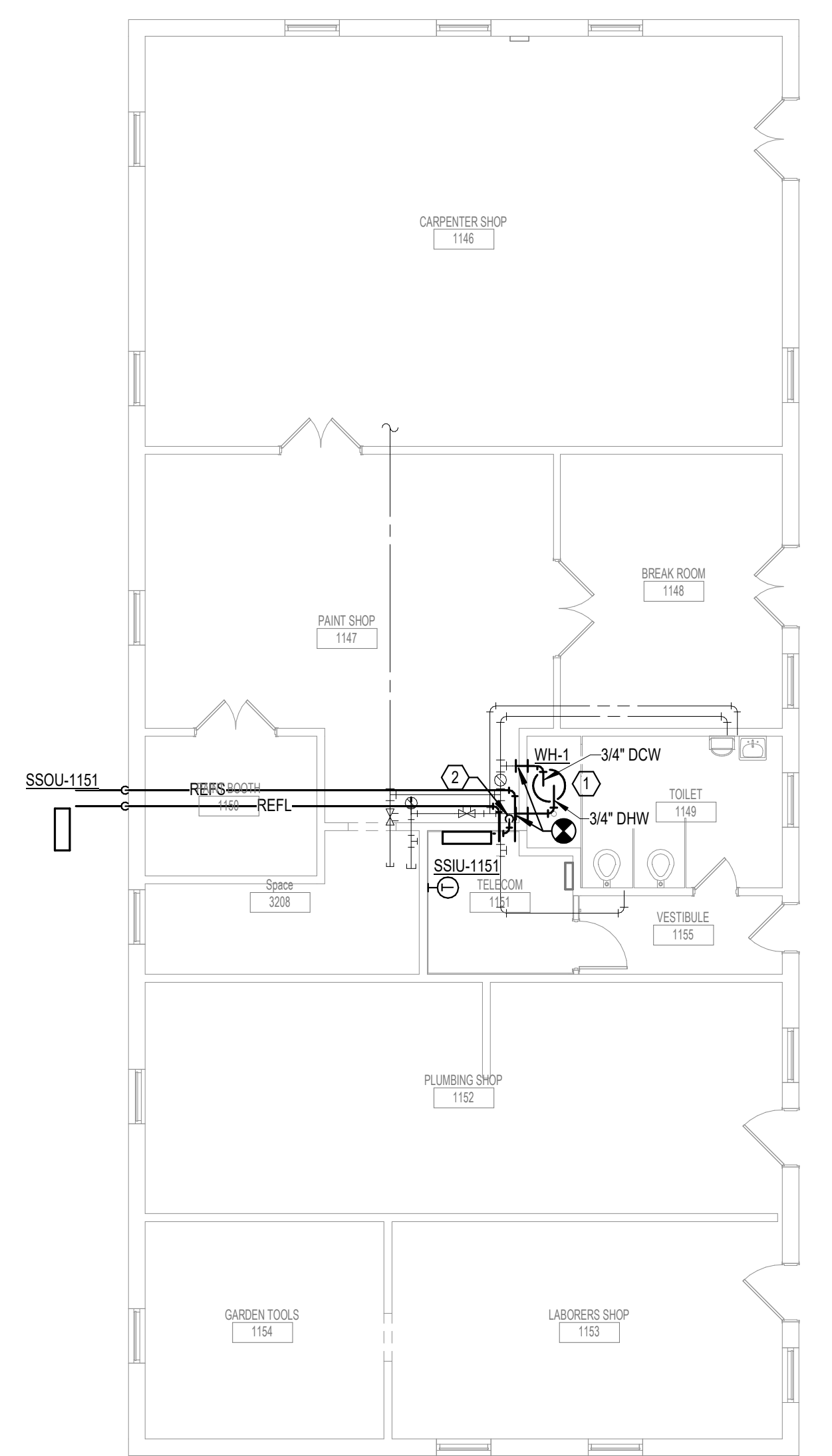
- SHEET NOTES:**
- PROVIDE NEW WATER HEATER. CONNECT TO EXISTING PLUMBING AS INDICATED. PROVIDE HEAT TRAPS ON PIPING CONNECTIONS TO WATER HEATER.
 - ROUTE CONDENSATE TO SERVICE SINK.



3 2-Floor Plan - BLDG 8 - PIPING
1/8" = 1'-0"



2 FIRST LEVEL PIPING FLOOR PLAN - BUILDING 8
1/8" = 1'-0"



1 FIRST LEVEL PIPING FLOOR PLAN - BUILDING 7
1/8" = 1'-0"

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Revisions:	Date:

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				Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 7, 8, 9
				Issue Date 07/06/2021	Checked EGS	Drawn PHV	Drawing Number MP111-07-09

SHEET NOTES:

- EXISTING CONDUIT FROM BUILDING 8 REUSE CONDUIT FOR NEW CABLING TO BUILDING 9.
- EXISTING CONDUIT FROM BUILDING 7 REUSE CONDUIT FOR NEW CABLING TO BUILDING 7.

CABLING NOTES:

- ROOM 110 (BUILDING 7)
 - EXISTING CABLE COUNT
 - DATA (CAT6): 25
 - DATA (CAT5): 0
 - VIDEO: 0
 - PATIENT MONITORING: 0
 - COMMERCIAL WIRELESS: 0

- CABLE RELOCATION COUNT
- DATA (CAT6): 25 TO ROOM 1151
- DATA (CAT5): 0
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0

- EXISTING CABLE TO REMAIN
- DATA (CAT6): 0
- DATA (CAT5): 0
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0

- FINAL CABLE COUNT
- DATA (CAT6): 0
- DATA (CAT5): 0
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0

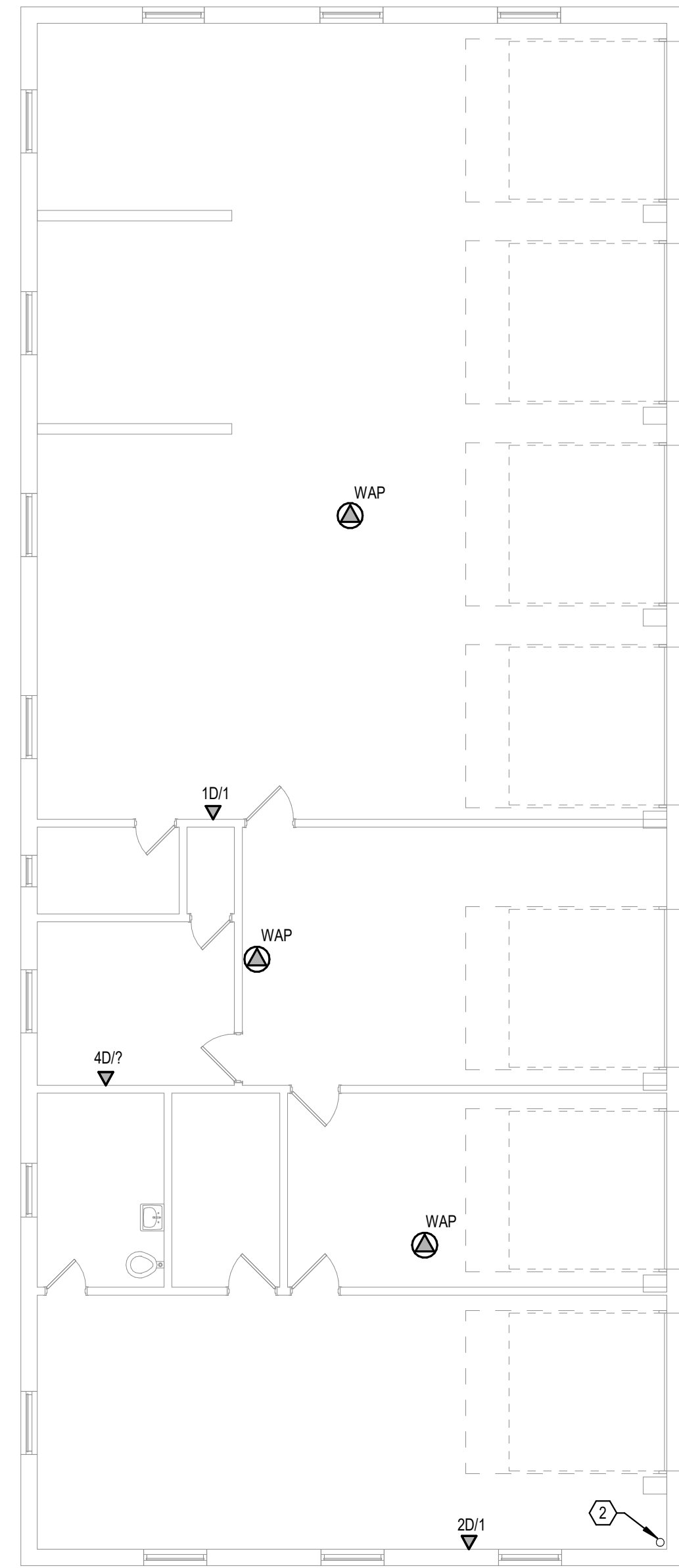
- ROOM 110 (BUILDING 8)

- EXISTING CABLE COUNT
- DATA (CAT6): 20
- DATA (CAT5): 4
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0

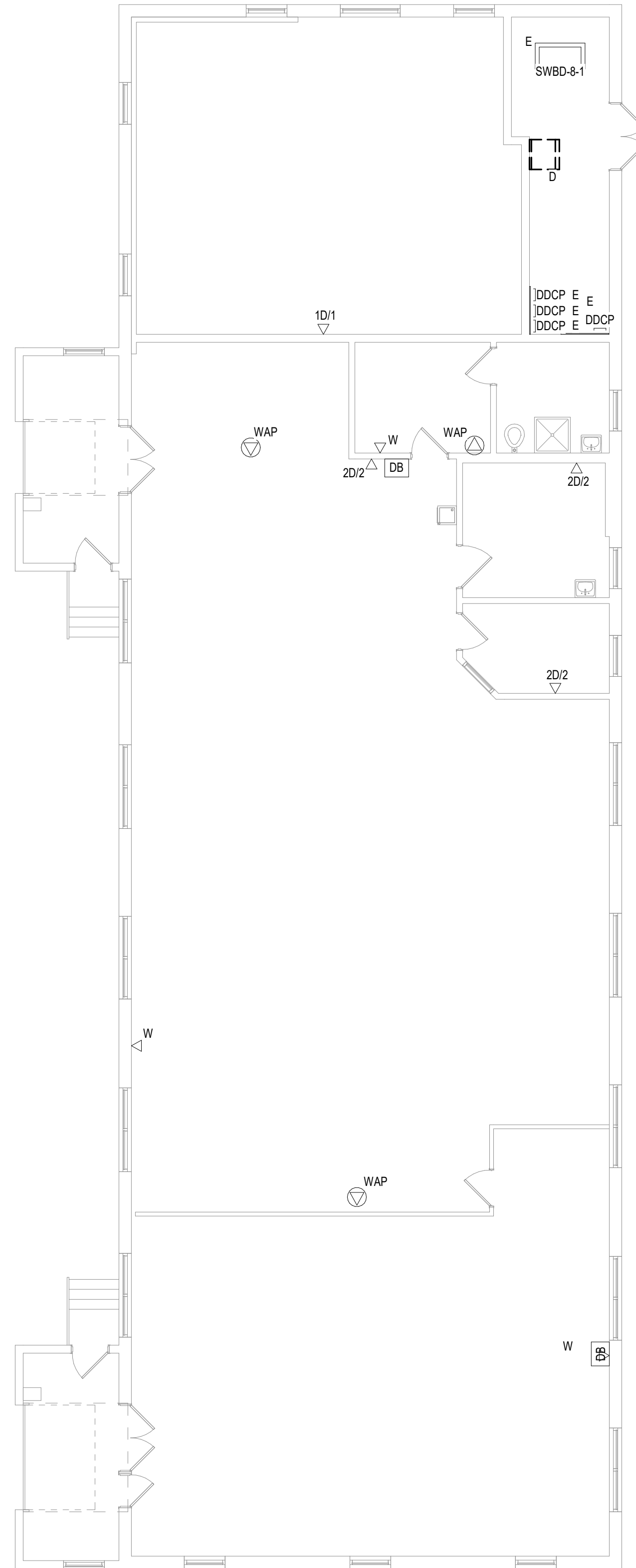
- CABLE RELOCATION COUNT
- DATA (CAT6): 0
- DATA (CAT5): 0
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0

- EXISTING CABLE TO REMAIN
- DATA (CAT6): 20
- DATA (CAT5): 4
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0

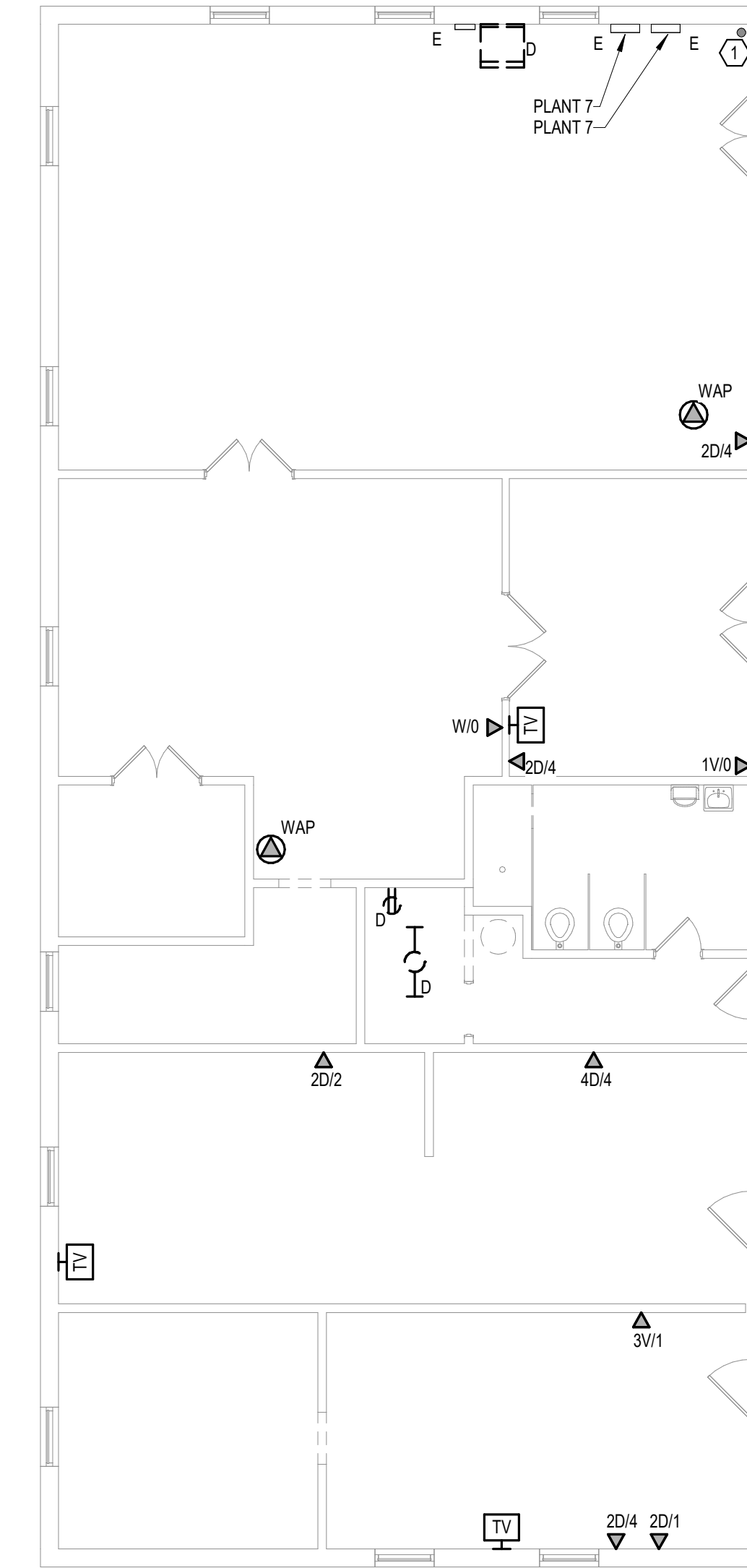
- FINAL CABLE COUNT
- DATA (CAT6): 4
- DATA (CAT5): 20
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0



3 FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 9
1/8" = 1'-0"
1:96



2 FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 8
1/8" = 1'-0"
1:96



1 FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 7
1/8" = 1'-0"
1:96

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Revisions:	Date:

CONSULTANT



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Anderson Engineering of Minnesota, LLC | Proj # 16090

STAMP



Office of Construction and Facilities Management



Drawing Title
FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 7, 8 & 9

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
Sioux Falls, SD

Issue Date
07/06/2021

Checked
KSB

Drawn
NMT

Project Number
438-20-910

Building Number
7, 8, 9

Drawing Number
ED111-07-09

CABLING NOTES:

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

ROOM 1157 - BUILDING 8

EXISTING CABLE COUNT
DATA (CAT6): 20
DATA (CAT5): 4
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

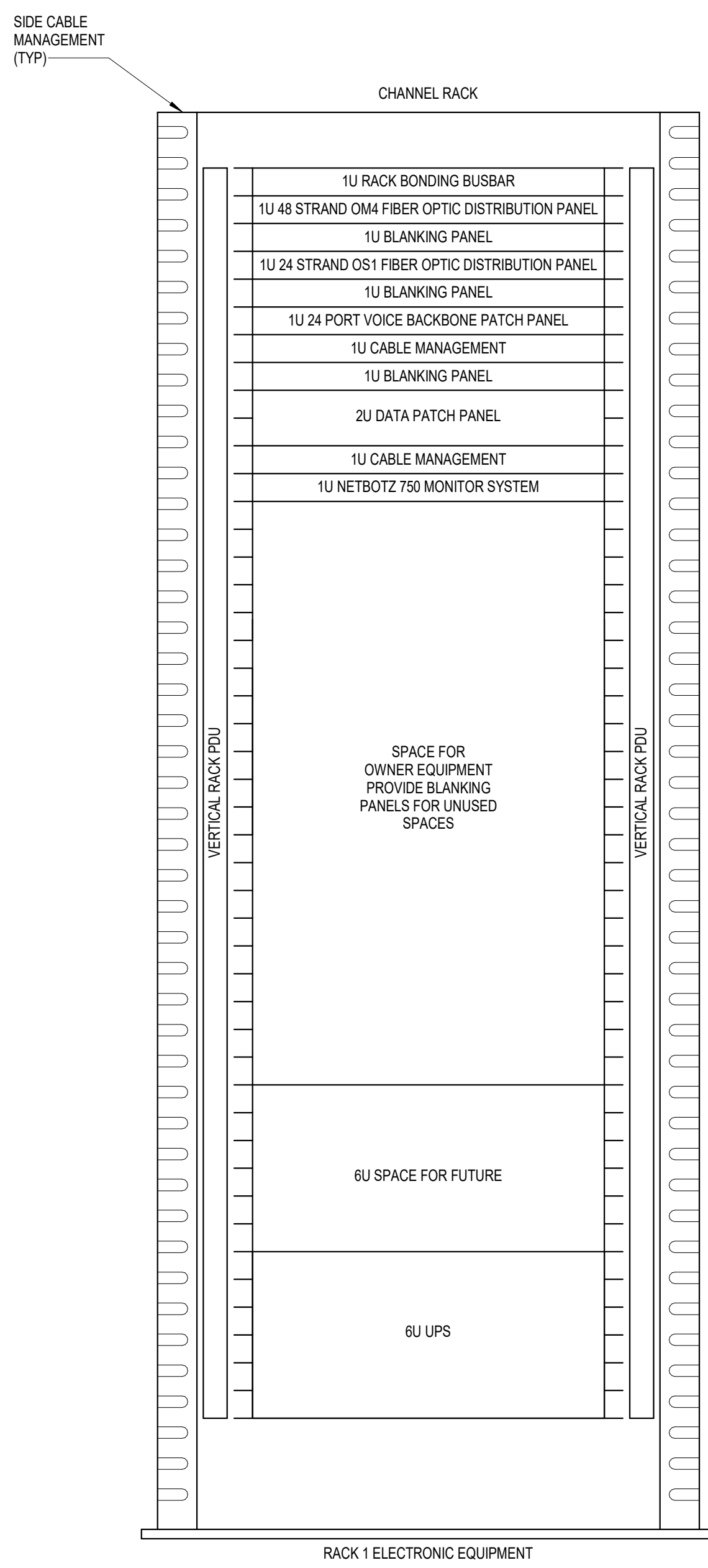
CABLE RELOCATION COUNT
DATA (CAT6): 0
DATA (CAT5): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN
DATA (CAT6): 20
DATA (CAT5): 4
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT
DATA (CAT6): 4
DATA (CAT5): 20
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

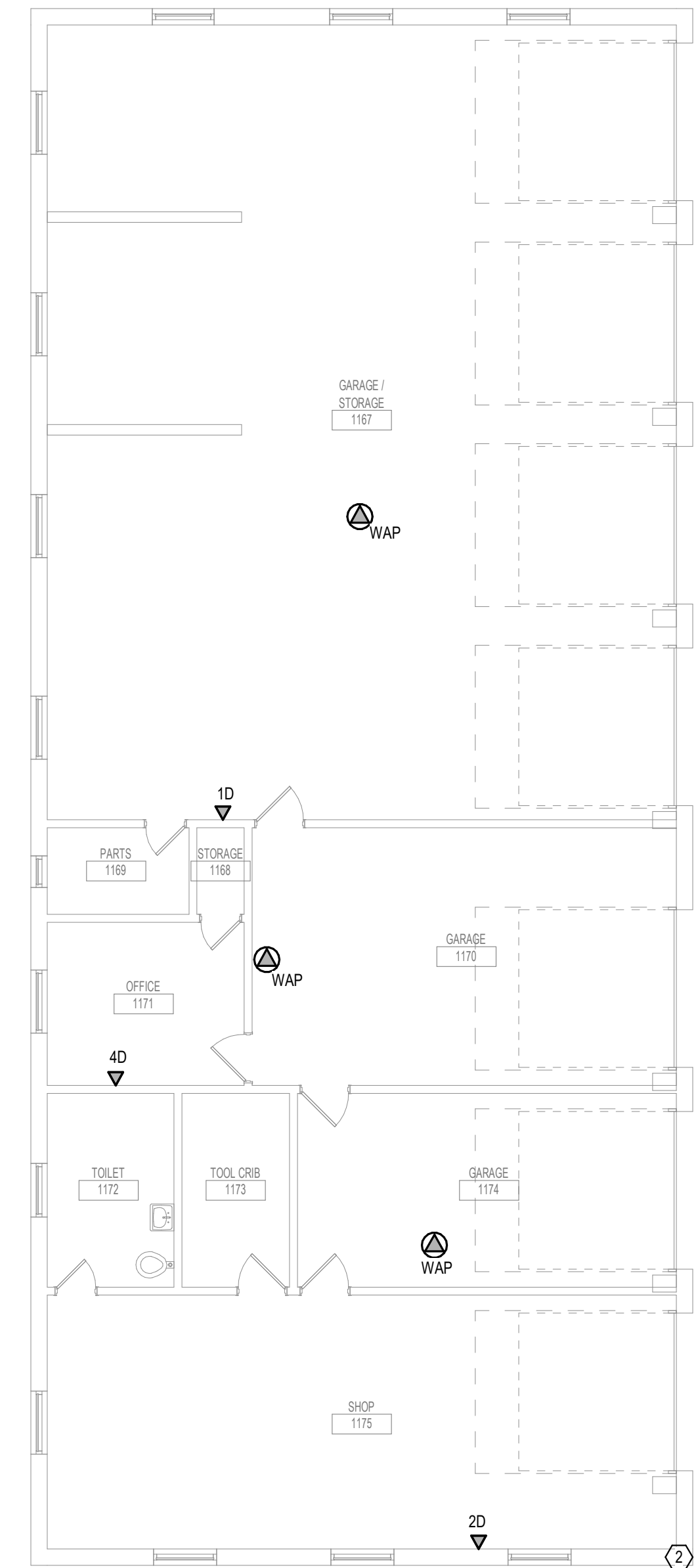
SHEET NOTES:

- EXISTING CONDUIT TO BUILDING 9. REUSE CONDUIT FOR NEW CABLING TO BUILDING 9.
- EXISTING CONDUIT FROM BUILDING 7. REUSE CONDUIT FOR NEW CABLING.
- PROVIDE NEW 1000 CIRCUIT BREAKER IN EXISTING PANEL TO BE FED BY NEW PANEL 1151A. EXISTING PANEL IS A SQUARE D NOOB. 10 KAIC PANELBOARD. FEEDER SHALL BE (4) #1, #0 GROUND IN 2" CONDUIT.
- FEED NEW WATER HEATER FROM EXISTING CIRCUIT FEEDING DEMOLISHED WATER HEATER. REPLACE EXISTING 30A CIRCUIT BREAKER IN PANEL WITH 20A CIRCUIT BREAKER. EXISTING PANEL IS A SQUARE D NOOB. 10 KAIC PANELBOARD.
- UTILIZE SPARE 200A CIRCUIT BREAKER TO FEED NEW PANELBOARD. FEEDER SHALL BE (4) #40, #6 GROUND IN 3-1/2" CONDUIT.
- PROVIDE NEW 4" CONDUIT FROM TELECOMMUNICATIONS PULL BOX INTO BUILDING. CONDUIT MAY BE RUN UP THE EXTERIOR OF THE BUILDING A MAXIMUM OF 24" AND PENETRATE THE BUILDING EXTERIOR WALL THROUGH AN UL CONDUIT BODY. FIELD COORDINATE THE EXACT LOCATION OF THE CONDUIT ENTRANCE. ROUTE CONDUIT WITHIN THE BUILDING AS HIGH AS PRACTICABLE.
- CONDENSING UNIT LOCATED ABOVE THIS ROOM ON ROOF LEVEL. PROVIDE (1) GFCI RATED DUPLEX RECEPTACLE IN WEATHER PROTECTING CASE WITHIN 25 FEET OF MECHANICAL EQUIPMENT. POWER DEVICE TO NEAREST AVAILABLE BRANCH CIRCUIT FEEDING RECEPTACLES IN THIS AREA OR AREA BELOW.
- PROVIDE #10 COPPER BONDING CONDUCTOR FROM TELECOMMUNICATIONS GROUND BAR TO GROUND BAR IN SWBD-8-1.

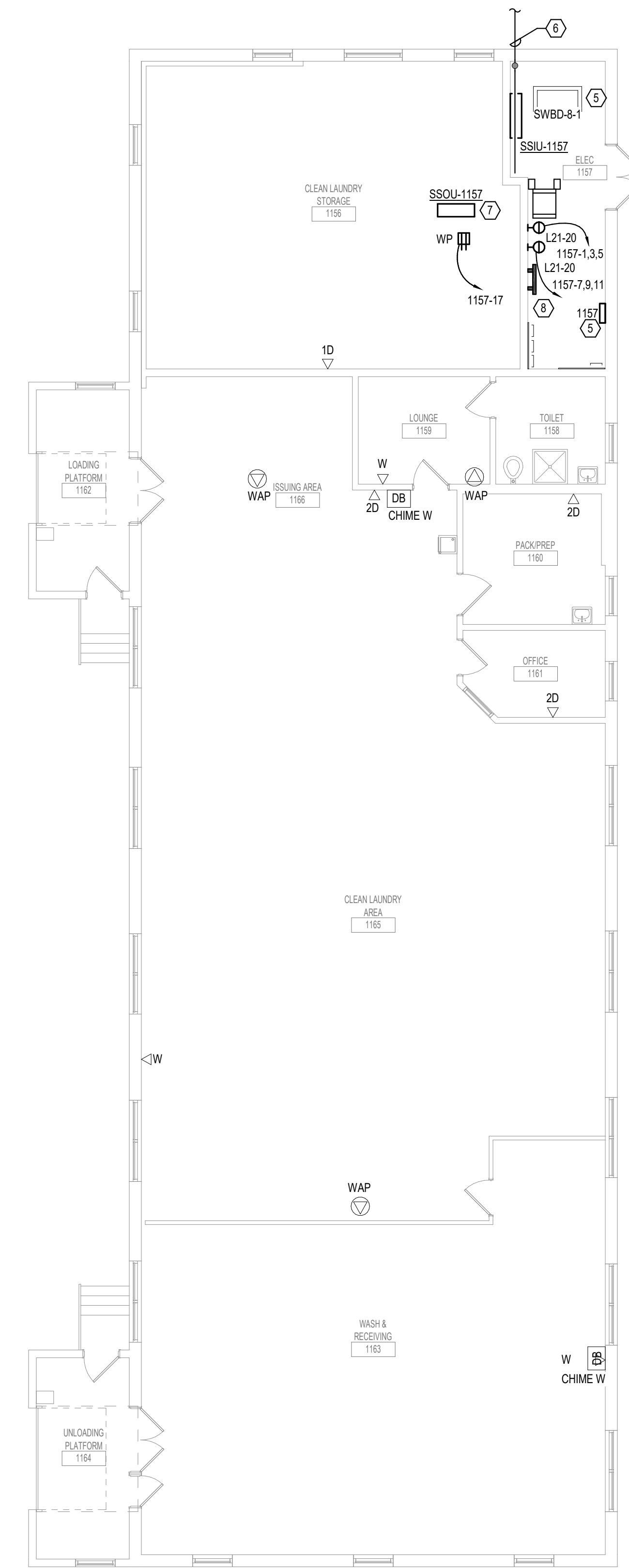


4 RACK ELEVATION - ROOM 1157 - BUILDING 8

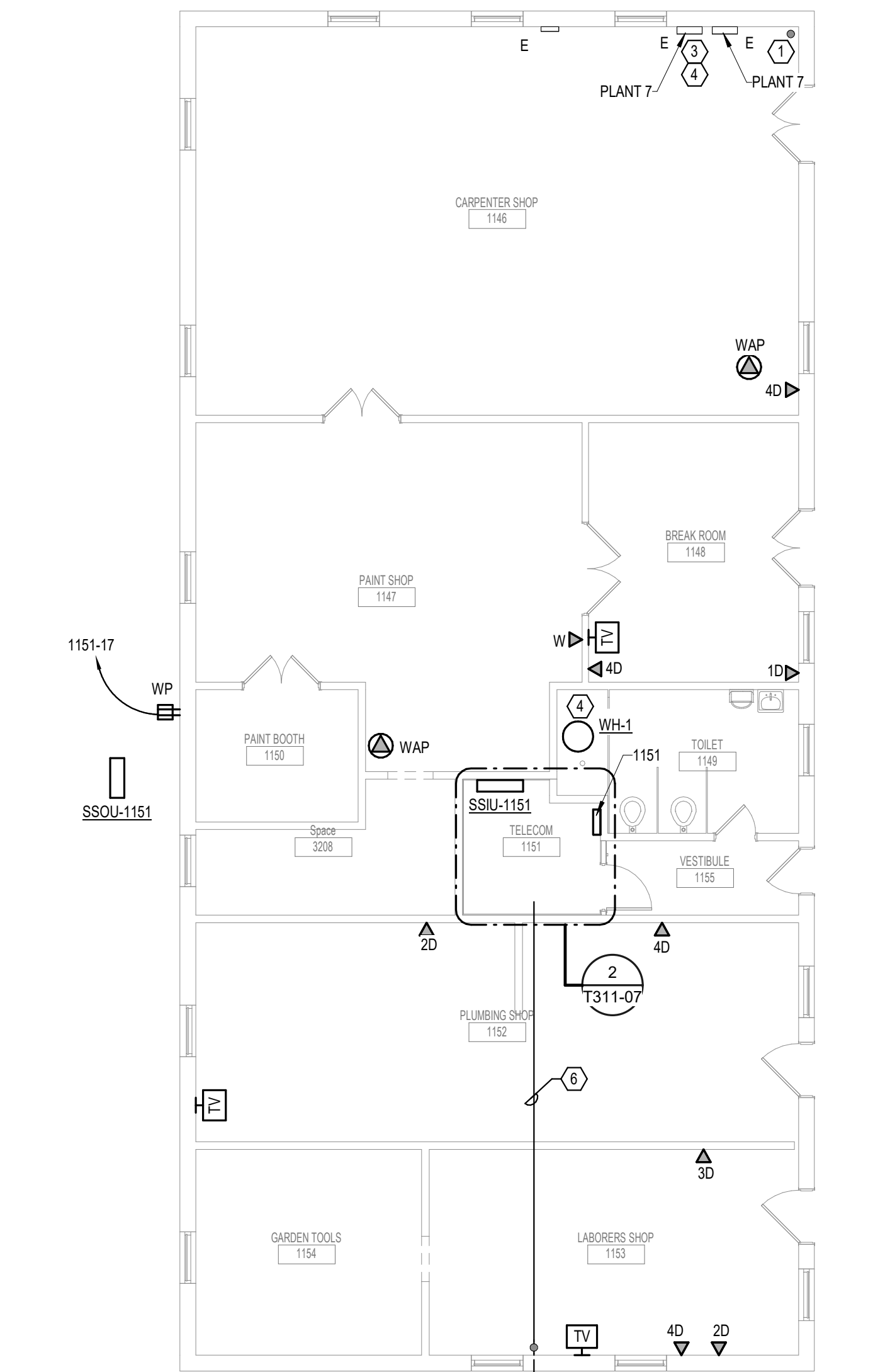
- NOTES:
- COORDINATE FINAL RACK LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
 - PROVIDE COMPONENTS NOT LISTED BY OWNER.
 - SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
 - COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
 - REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
 - COORDINATE INSTALLATIONS WITH OWNER'S ISIT REPRESENTATIVE.



3 FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 9
1/8" = 1'-0"



2 FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 8
1/8" = 1'-0"



1 FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 7
1/8" = 1'-0"

INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.

INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER.

Revisions:	Date:

CONSULTANT SPECIALIZED ENGINEERING SOLUTIONS 10340 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP Nathan Timm BICSI ID # 346555 EXPIRES 12-31-22	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 7, 8 & 9 Approved:	Phase BID DOCUMENTS FULLY SPRINKLERED	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES Location Sioux Falls, SD Issue Date 07/06/2021 Checked KSB Drawn NMT	Project Number 438-20-910 Building Number 7, 8, 9 Drawing Number TN111-07-09
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CABLING NOTES:

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

ROOM 1151

EXISTING CABLE COUNT
 DATA (CAT5): 0
 DATA (CAT5): 0
 VIDEO: 0
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

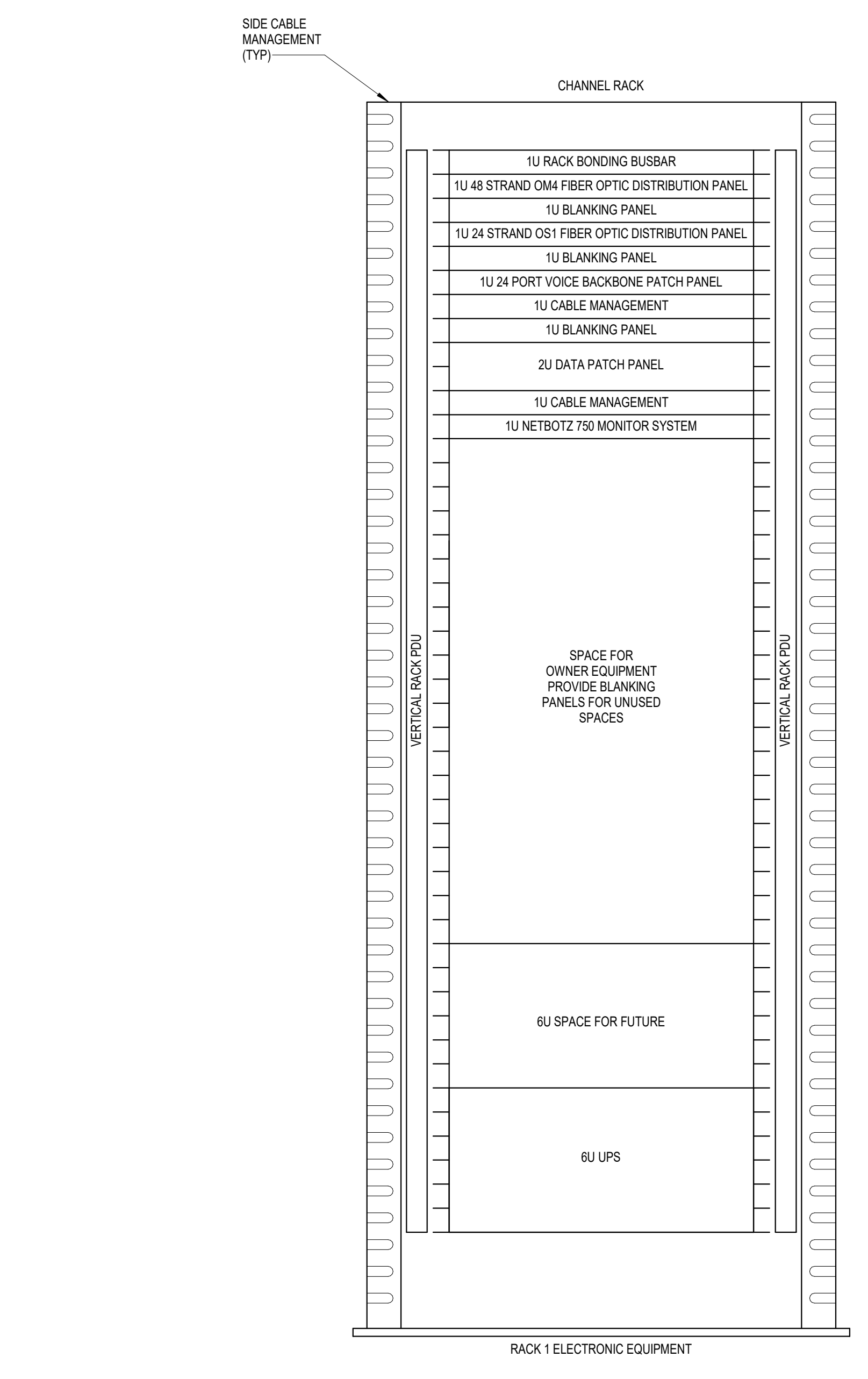
CABLE RELOCATION COUNT
 DATA (CAT5): +10 FROM BUILDING 9
 DATA (CAT5): +33 FROM ROOM 1148
 VIDEO: 0
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN
 DATA (CAT5): 0
 VIDEO: 0
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT
 DATA (CAT5): 40
 VIDEO: 0
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

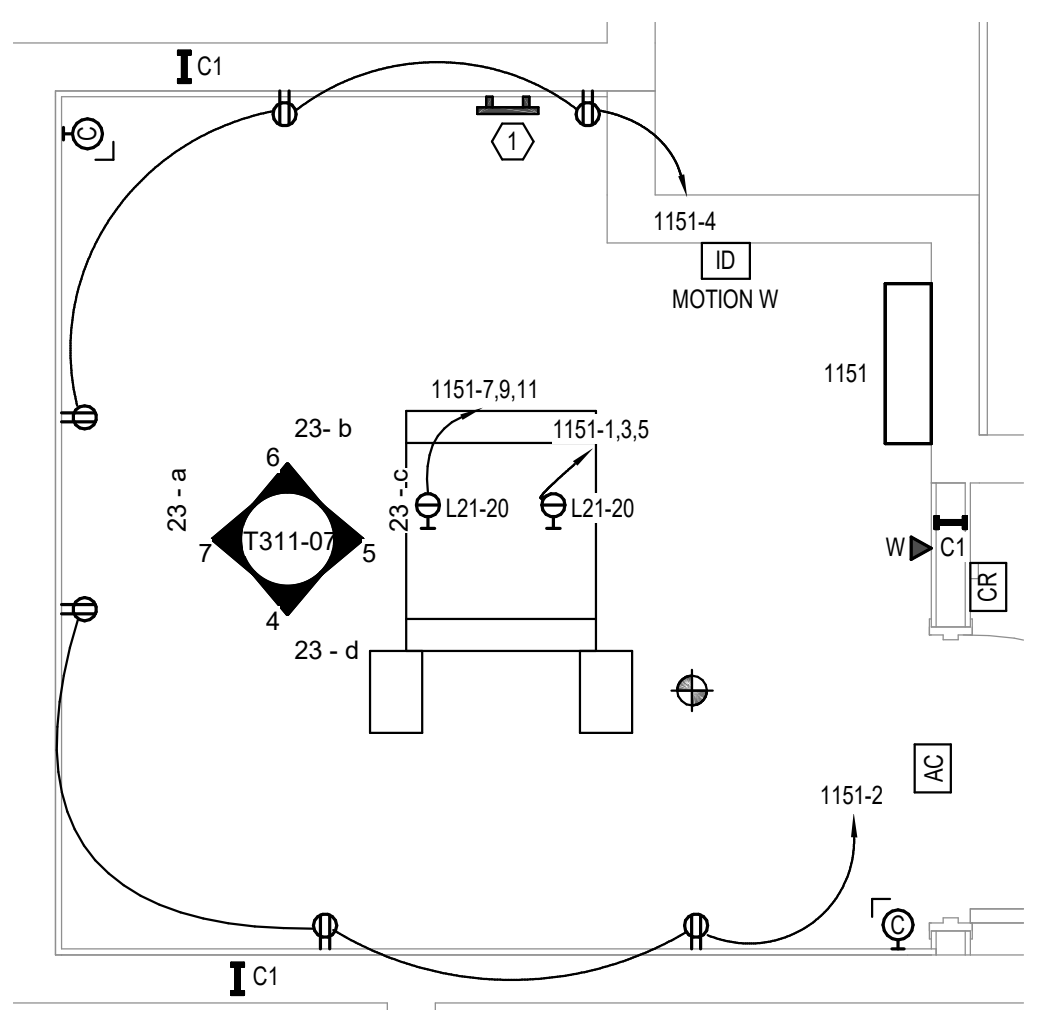
SHEET NOTES:

1. PROVIDE #30 COPPER BONDING CONDUCTOR FROM TELECOMMUNICATIONS GROUND BAR TO GROUND BAR IN PLANT 7 PANEL.

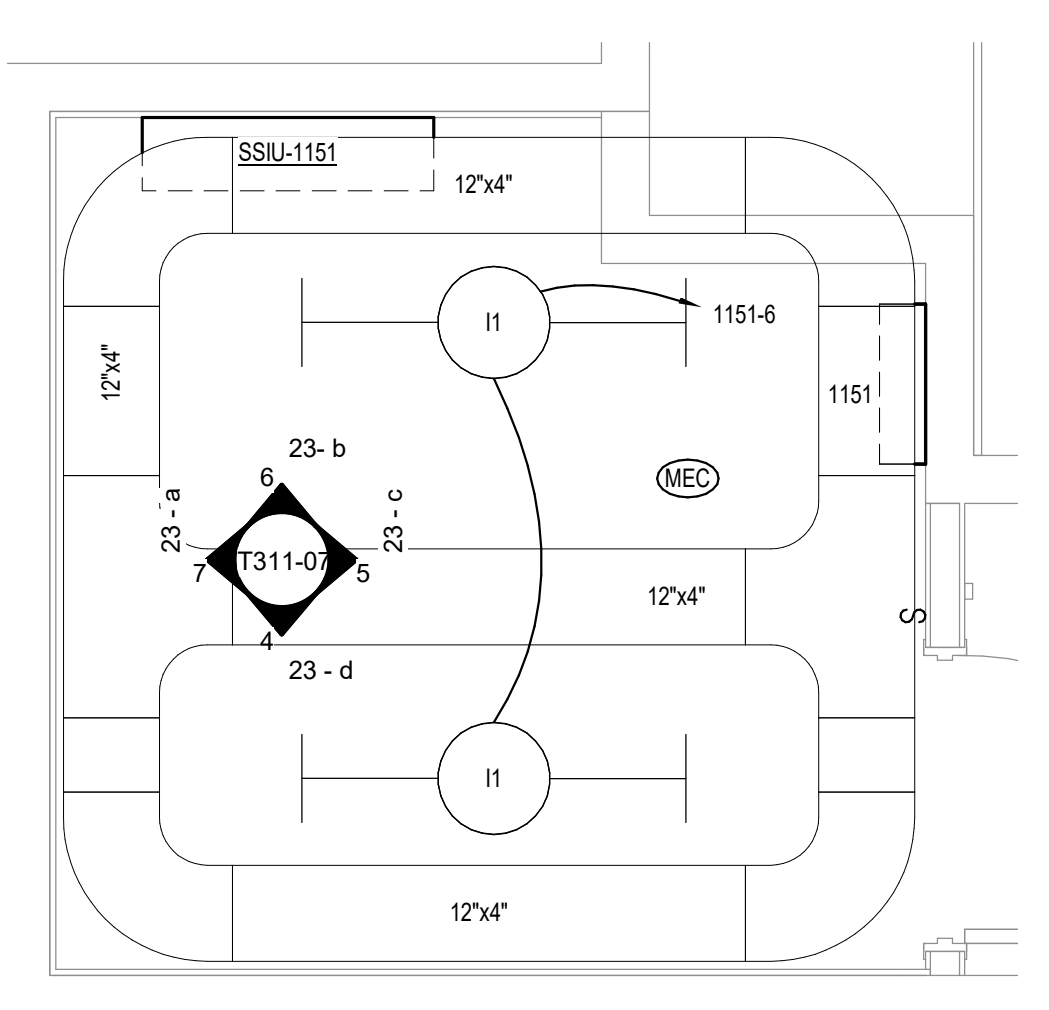


- NOTES:**
- COORDINATE FINAL RACK LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
 - PROVIDE COMPONENTS NOT LISTED BY OWNER.
 - SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
 - COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
 - REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
 - COORDINATE INSTALLATIONS WITH OWNER'S ISIT REPRESENTATIVE.

3 RACK ELEVATION - ROOM 1151 - BUILDING 07
 NO SCALE



2 ENLARGED ROOM 1151 - BUILDING 07-POWER & DATA
 1/2" = 1'-0"



1 ENLARGED ROOM 1151-BUILDING 07-LIGHTING & CABLE TRAY
 1/2" = 1'-0"

Revisions:	Date:

CONSULTANT SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title ENLARGED ROOM 1151	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910
				Approved:	Fully Sprinklered	Location Sioux Falls, SD	Building Number 7, 8, 9
				Issue Date 07/06/2021	Checked KSB	Drawn NMT	Drawing Number T311-07

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LIGHTING PANEL: 1157

LOCATION: ELEC 1157
 SUPPLY FROM: SWBD-8-1
 BRANCH: NORMAL
 SERVICE RATED: No
 MOUNTING: SURFACE
 NEMA ENCLOSURE: 1

VOLTS: 208/120 WYE
 PHASES: 3
 WIRES: 4
 INTEGRAL SPD: Yes
 AVAILABLE SCC (KA): 31

MAINS TYPE: MCB
 MCB/MLO RATING: 200 A
 MCB OPTIONS: NONE
 SECTIONS: 1
 PANEL POLES: 42

C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...	
1					1922...	0 VA						2	
3	PWR-C TELECOMM 1157 - RACK RECEPTACLE		20 A	3		1922 VA	0 VA			3	20 A -- SPARE	4	
5							1922 VA	0 VA				6	
7					1922...	0 VA						8	
9	PWR-C TELECOMM 1157 - RACK RECEPTACLE		20 A	3		1922 VA	0 VA			3	20 A -- SPARE	10	
11							1922 VA	0 VA				12	
13					1195...	0 VA				1	20 A -- SPARE	14	
15	SSIU-1157/SSOU-157		25 A	2		1195 VA	0 VA			1	20 A -- SPARE	16	
17	REC - ROOF		20 A	1			180 VA	0 VA		1	20 A -- SPARE	18	
19					0 VA					1	20 A -- SPARE	20	
21												22	
23												24	
25												26	
27												28	
29												30	
31												32	
33												34	
35												36	
37												38	
39												40	
41												42	
					TOTAL LOAD:	5038 VA	5038 VA	4023 VA					
					TOTAL AMPS:	43 A	43 A	34 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
PWR-C	11530 VA	125.00%	14413 VA	CONNECTED LOAD: 14100 VA
REC	180 VA	100.00%	180 VA	CONNECTED CURRENT: 39 A
MTR	2390 VA	124.22%	2969 VA	DEMAND LOAD: 17561 VA
				DEMAND CURRENT: 49 A
				CONSIDER 125% DEMAND: 21952 A
				EQUIPMENT AMPS: 200 A
				FEEDER AVAILABLE: 75 %
				SPARE CAPACITY: 151 A

OPTIONS:
 CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

GENERAL REMARKS:
 A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

LIGHTING PANEL: 1151

LOCATION: TELECOM 1151
 SUPPLY FROM: PLANT 7
 BRANCH: NORMAL
 SERVICE RATED: No
 MOUNTING: SURFACE
 NEMA ENCLOSURE:

VOLTS: 208/120 WYE
 PHASES: 3
 WIRES: 4
 INTEGRAL SPD: Yes
 AVAILABLE SCC (KA): < 10

MAINS TYPE: MCB
 MCB/MLO RATING: 100 A
 MCB OPTIONS: NONE
 SECTIONS: 1
 PANEL POLES: 42

C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...	
1					1922...	540 VA						2	
3	PWR-C TELECOMM 1151 - RACK RECEPTACLE		20 A	3		1922 VA	540 VA			1	20 A REC TELECOM 1151	4	
5							1922 VA	50 VA		1	20 A LTG TELECOM 1151	6	
7					1922...	0 VA						8	
9	PWR-C TELECOMM 1151 - RACK RECEPTACLE		20 A	3		1922 VA	0 VA			3	20 A -- SPARE	10	
11							1922 VA	0 VA				12	
13					814...	0 VA				1	20 A -- SPARE	14	
15	SSIU-1151/SSOU-1151		15 A	2		814 VA	0 VA			1	20 A -- SPARE	16	
17	REC - EXTERIOR		20 A	1			180 VA	0 VA		1	20 A -- SPARE	18	
19					0 VA					1	20 A -- SPARE	20	
21												22	
23												24	
25												26	
27												28	
29												30	
31												32	
33												34	
35												36	
37												38	
39												40	
41												42	
					TOTAL LOAD:	5197 VA	5197 VA	4073 VA					
					TOTAL AMPS:	45 A	45 A	34 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTG	50 VA	125.00%	62 VA	CONNECTED LOAD: 14468 VA
REC	1260 VA	100.00%	1260 VA	CONNECTED CURRENT: 40 A
MTR	1628 VA	123.96%	2018 VA	DEMAND LOAD: 9105 VA
PWR-NC	5765 VA	100.00%	5765 VA	DEMAND CURRENT: 25 A
RED	5765 VA	0.01%	1 VA	CONSIDER 125% DEMAND: 11382 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE: 74 %
				SPARE CAPACITY: 75 A

OPTIONS:
 CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

GENERAL REMARKS:
 A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

Revisions:	Date:


CONSULTANT




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Anderson Engineering of Minnesota, LLC | Proj # 16090

STAMP



Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
PANEL SCHEDULES - BUILDING 07-09 - FIRST LEVEL

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
Sioux Falls, SD

Issue Date
07/06/2021

Checked
KSB

Drawn
NMT

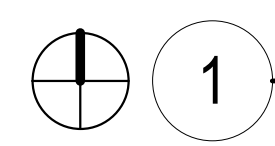
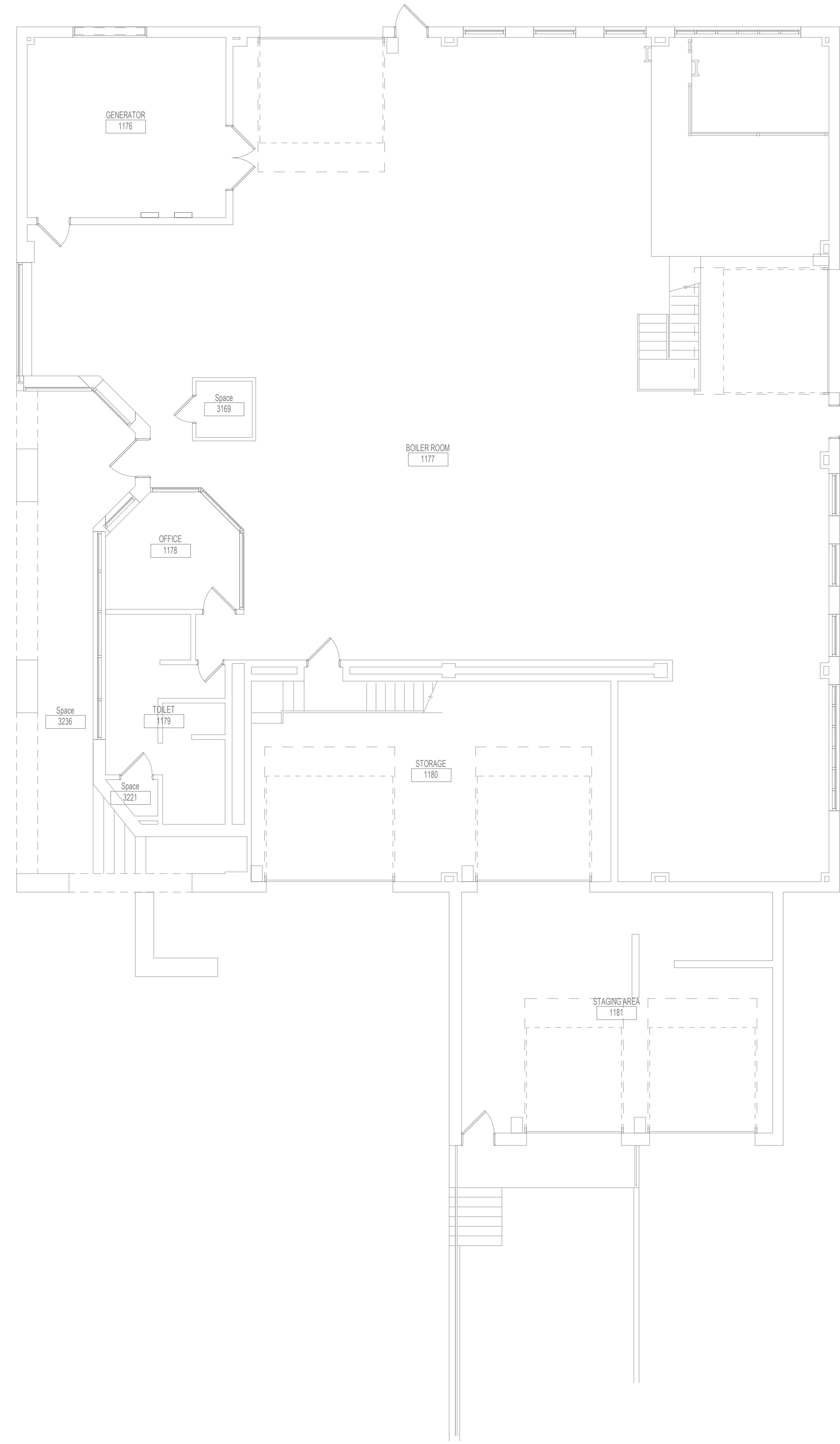
Project Number
438-20-910

Building Number
7, 8, 9

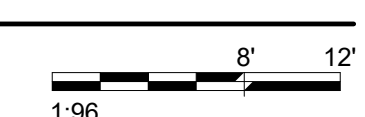
Drawing Number
EE411-07-09

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- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
 - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
 - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
 - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.



1 FIRST LEVEL DUCTWORK FLOOR PLAN - BUILDING 11
1/8" = 1'-0"



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Revisions:	Date:

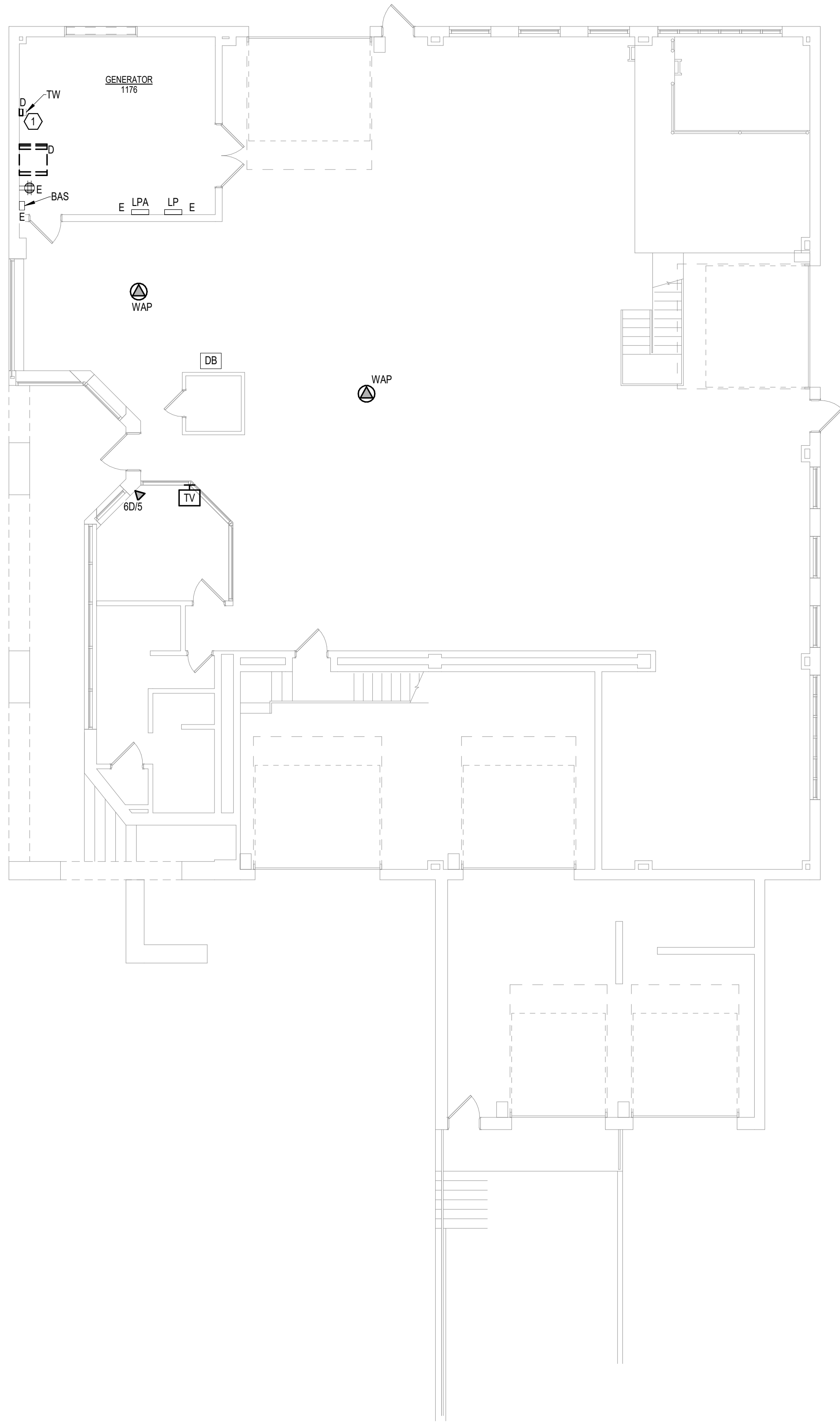
CONSULTANT 		ARCHITECT/ENGINEER OF RECORD  SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com		ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090		STAMP 	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title FIRST LEVEL DUCTWORK PLAN - BUILDING 11 Approved:	Phase BID DOCUMENTS FULLY SPRINKLERED	Project Title VAMC SIOUX FALLS EHR INFRASTRUCTURE UPGRADES Location Sioux Falls, SD Issue Date 07/06/2021	Project Number 438-20-910 Building Number 11 Drawing Number MH111-11
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CABLING NOTES:

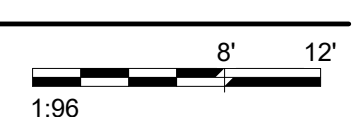
- 1. ROOM 1176
 - EXISTING CABLE COUNT
 - DATA (CAT5): 0
 - DATA (CAT6): 5
 - VIDEO: 1
 - PATIENT MONITORING: 0
 - COMMERCIAL WIRELESS: 0
- CABLE RELOCATION COUNT
- DATA (CAT5): 0
- DATA (CAT6): 0
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0
- EXISTING CABLE TO REMAIN
- DATA (CAT5): 0
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0
- FINAL CABLE COUNT
- DATA (CAT5): 0
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0

SHEET NOTES:

- 1. EXISTING TELEPHONE WALL FIELD TO BE DEMOLISHED. NEW COPPER BACKSONE TO BE PROVIDED ON PATCH PANELS IN TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.



1 FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 11
1/8" = 1'-0"



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Revisions:	Date:

CONSULTANT SPECIALIZED ENGINEERING SOLUTIONS <small>10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com</small>	ARCHITECT/ENGINEER OF RECORD <small>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090</small>	STAMP <small>Nathan Timm BICSI ID # 346555 EXPIRES 12-31-22 RCO</small>	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 11	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910
				Approved:	Fully SPRINKLERED	Location Sioux Falls, SD	Building Number 11
				Issue Date 07/06/2021	Checked KSB	Drawn NMT	Drawing Number ED111-11

CABLING NOTES:

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

ROOM 1180

EXISTING CABLE COUNT
 DATA (CAT5): 0
 DATA (CAT6): 0
 VIDEO: 0
 PATENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

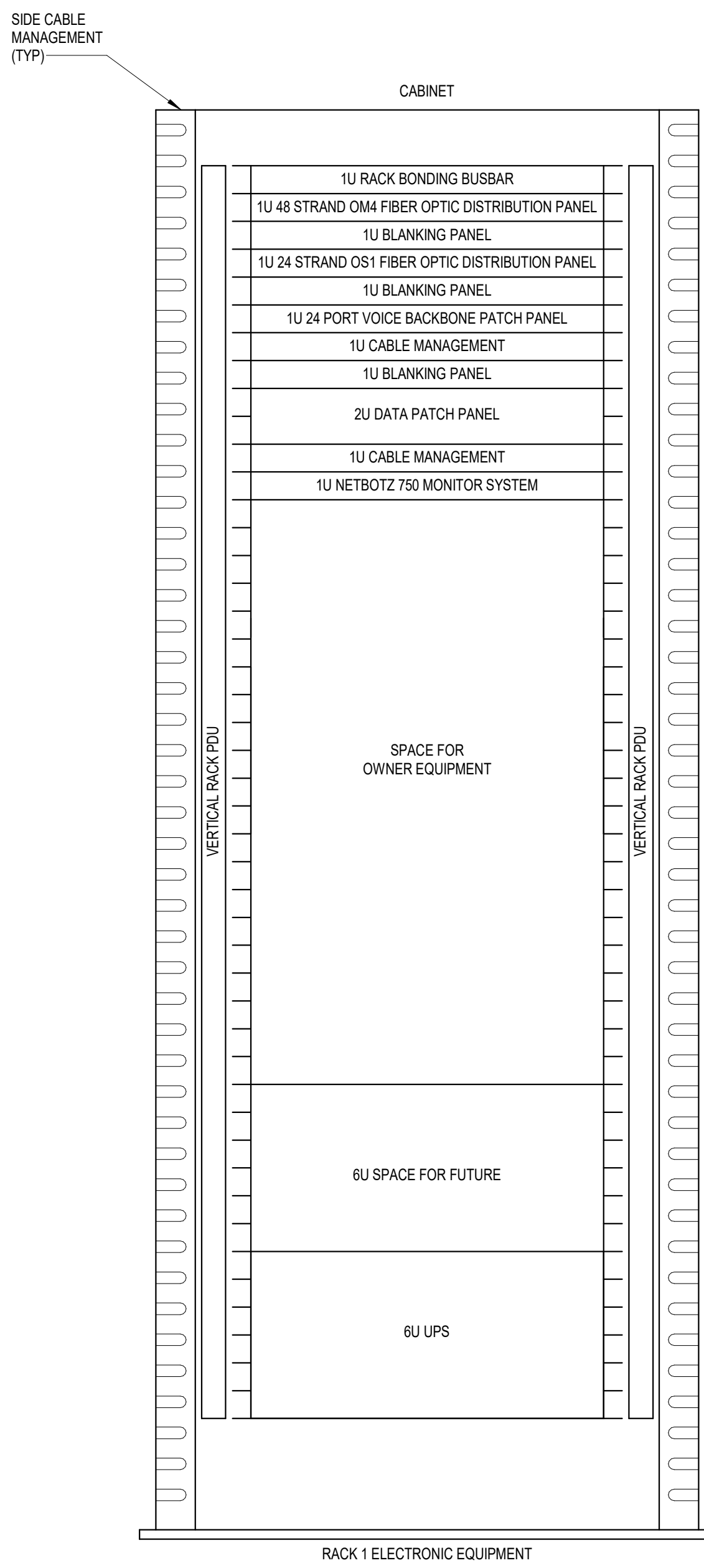
CABLE RELOCATION COUNT
 DATA (CAT5): +9 FROM ROOM 1177
 DATA (CAT6): +5 FROM ROOM 1177
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 PATENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN
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 VIDEO: 0
 PATENT MONITORING: 0
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FINAL CABLE COUNT
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 VIDEO: 1
 PATENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

SHEET NOTES:

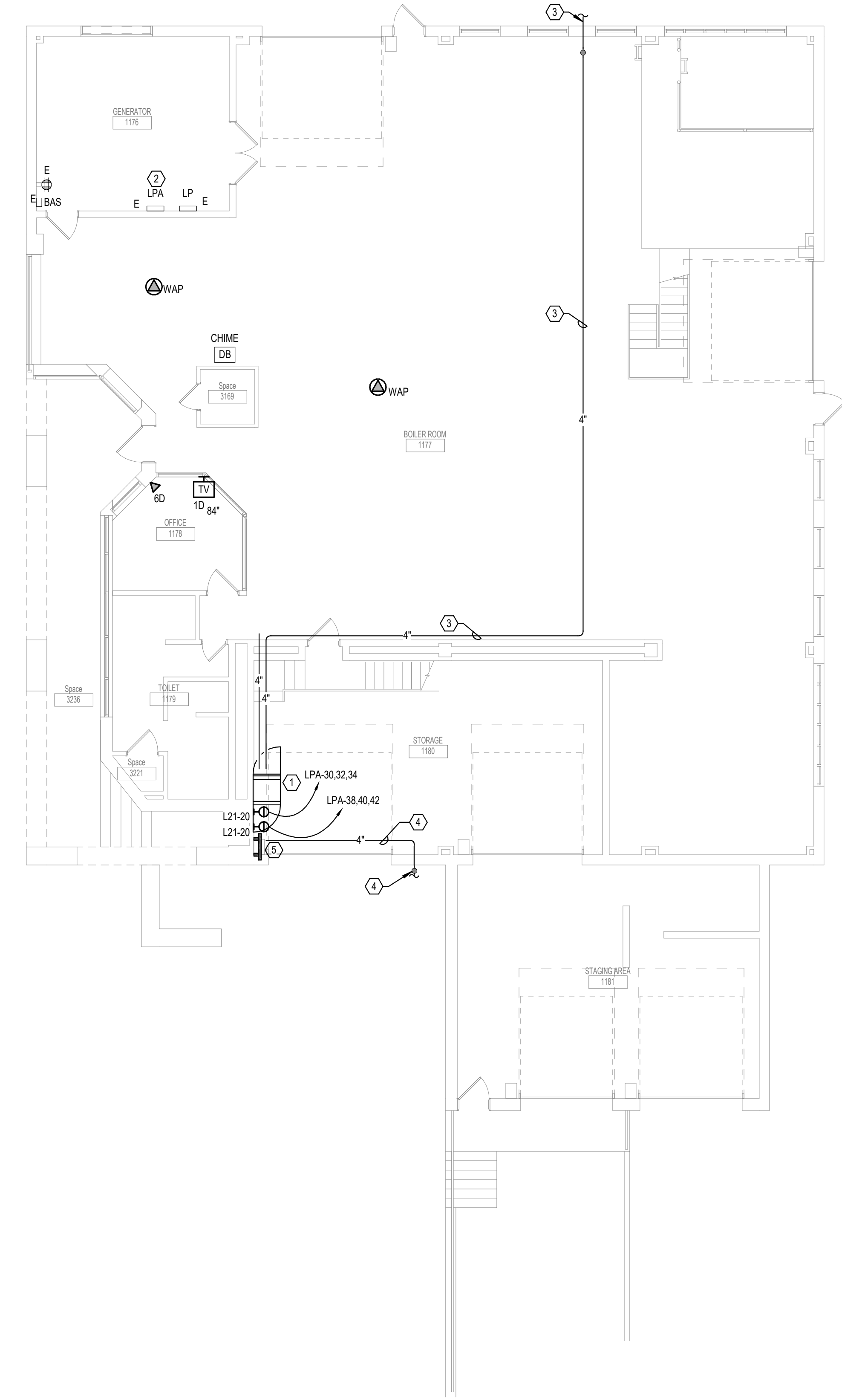
1. INSTALL NEW COMMUNICATIONS CABINET AND ASSOCIATED RECEPTACLES IN APPROXIMATE LOCATION SHOWN ON SECOND LEVEL MEZZANINE.
2. PROVIDE (2) 200, 10 KVAIC GE TEB CIRCUIT BREAKERS IN EXISTING PANEL LPA TO FEED NEW TELECOMMUNICATIONS CABINET.
3. PROVIDE NEW 4" CONDUIT FROM TELECOMMUNICATIONS PULL BOX INTO BUILDING. CONDUIT MAY BE RUN UP THE EXTERIOR OF THE BUILDING A MAXIMUM OF 24" AND PENETRATE THE BUILDING EXTERIOR WALL THROUGH AN LB CONDUIT BODY. FIELD COORDINATE THE EXACT LOCATION OF THE CONDUIT ENTRANCE. ROUTE CONDUIT WITHIN THE BUILDING AS HIGH AS PRACTICABLE.
4. PROVIDE NEW 4" CONDUIT FROM TELECOMMUNICATIONS PULL BOX INTO BUILDING. CONDUIT MAY BE RUN UP THE EXTERIOR OF THE BUILDING TO COORDINATE WITH OVERHEAD DOOR AND PENETRATE THE BUILDING EXTERIOR WALL THROUGH AN LB CONDUIT BODY. FIELD COORDINATE THE EXACT LOCATION OF THE CONDUIT ENTRANCE. ROUTE CONDUIT WITHIN THE BUILDING AS HIGH AS PRACTICABLE.
5. PROVIDE #10 COPPER BONDING CONDUCTOR FROM TELECOMMUNICATIONS GROUND BAR TO GROUND BAR IN BUILDING 11 SERVICE ENTRANCE PANEL.



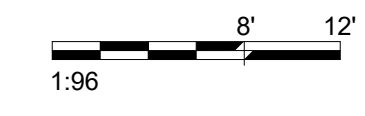
NOTES:

1. COORDINATE FINAL RACK LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
2. PROVIDE COMPONENTS NOT LISTED *BY OWNER*.
3. SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
4. COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
5. REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
6. CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
7. COORDINATE INSTALLATIONS WITH OWNER'S ISIT REPRESENTATIVE.

2 RACK ELEVATION - ROOM 1180 - BUILDING 11
 NO SCALE



1 FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 11
 1/8" = 1'-0"



INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.

INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER

Revisions:	Date:

CONSULTANT

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STAMP

Office of Construction and Facilities Management
 VA U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 11

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
 Sioux Falls, SD

Issue Date
 07/06/2021

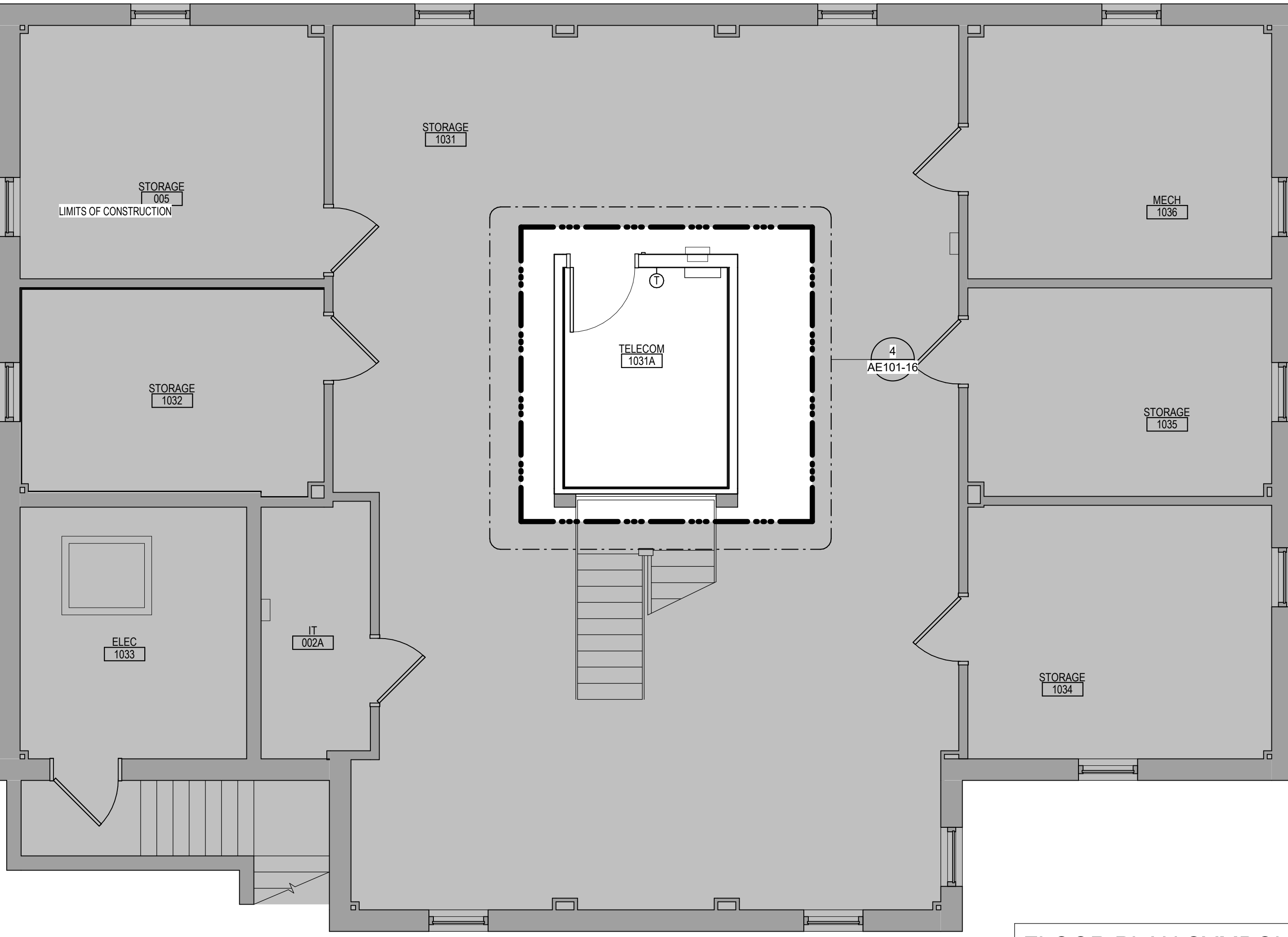
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 KSB

Drawn
 NMT

Project Number
 438-20-910

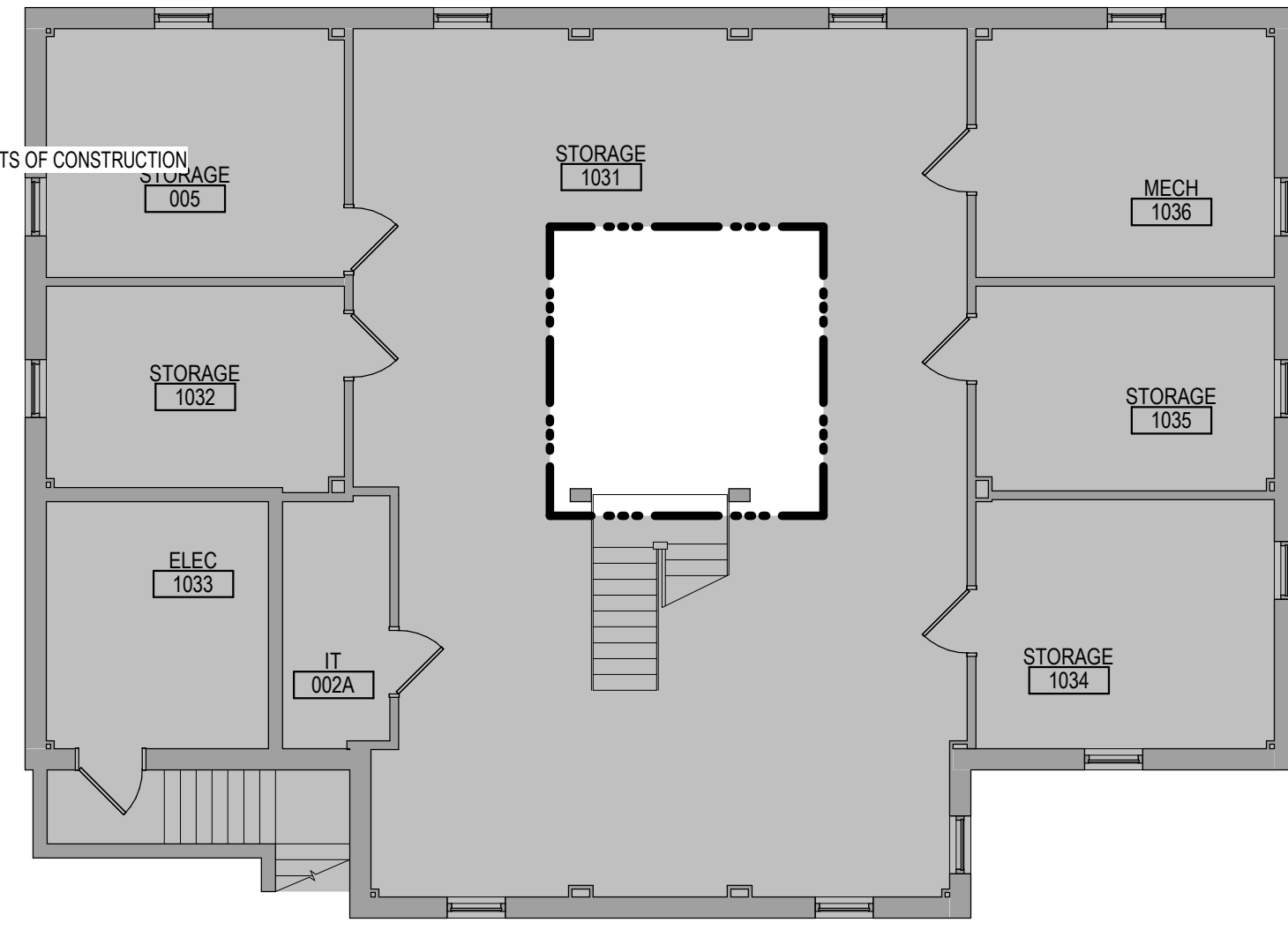
Building Number
 11

Drawing Number
TN111-11



GENERAL NOTES

- 1. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.
2. CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
4. WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
5. GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
6. FIREPROOFING SHALL BE UNPIERCED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING, AT THE SUBCONTRACTORS EXPENSE.
7. EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY. VERIFY SIZE WITH MANUFACTURER.
8. ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
9. ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION, COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
10. VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
11. PROVIDE LINTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR. VERIFY SIZE AND LOCATION.
12. STRUCTURAL, MECHANICAL AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
13. AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4\"/>



DEMOLITION GENERAL NOTES

- 1. GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK PHASING AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DOCUMENTS IS FOR ARCHITECT - OWNER PLANNING PURPOSES ONLY, UNLESS NOTED OTHERWISE.
2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
3. WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ALL ITEMS CONTAINED WITHIN, INCLUDING DOORS, FRAMES, HARDWARE, SHELVINGS, WINDOWS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
4. WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH TO FLOOR SLAB AS REQUIRED AND PREPARE SLAB SURFACE FOR SCHEDULED FINISHES WITHIN AREA TO BE REMOVED, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE FOR EXISTING FLOOR FINISHES TO REMAIN UNDISTURBED.
5. WHERE CEILING IS INDICATED TO BE DEMOLISHED, REMOVE CEILING SUSPENSION SYSTEM ALONG WITH ALL ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS, UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING AND DUCTWORK. DEMOLITION WITHIN AREA TO BE REMOVED.
6. WHERE INDICATED REMOVE ALL WALL PARTITION EXISTING FINISHES AND PREPARE THE SURFACES FOR SCHEDULED FINISHES. SEE FINISH SCHEDULE FOR FINISHES.
7. ALL DISTURBED AREAS, WALLS, PARTITIONS, FLOORS, ETC. DAMAGED BY DEMOLITION WORK SHALL BE PATCHED TO MATCH ADJACENT AREA.
8. OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL SALVAGED ITEMS SUCH AS: DOORS, LIGHT FIXTURES, PLUMBING FIXTURES ETC.
9. SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED AND/OR REFINISHED TO LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
10. DO NOT REMOVE ANY EXISTING STRUCTURAL SUPPORT MEMBERS SUCH AS COLUMNS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS ETC. UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. ALL EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED. COORDINATE WITH STRUCTURAL ENGINEER.
11. SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
12. WALL AND CEILING MOUNTED ITEMS SHOWN DASHED, SUCH AS WALL CABINETS, SHELVING, CURTAIN TRACKS, PROJECTION SCREENS ETC., SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
13. WITHIN ALL EXISTING ROOMS/SPACES RECEIVING SCHEDULED FLOOR, OR WALL OR CEILING FINISHES, REMOVE ALL EXISTING FLOOR, OR WALL, OR CEILING FINISHES DOWN TO THE SUBSTRATE, INCLUDE THE REMOVAL OF ALL ITEMS LOCATED WITHIN THE EXISTING FINISH REMOVALS UNDO PATCH AND PREP ALL SUBSTRATES TO RECEIVE SCHEDULED FINISHES. FOR ADDITIONAL INFORMATION, SEE KEYNOTED ITEMS, FINISH PLANS AND/OR SCHEDULES. STRUCTURAL, MECHANICAL AND ELECTRICAL.
14. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.

DEMOLITION PLAN KEYED NOTES

- (DE1) REMOVE FLOOR FINISH IN ITS ENTIRETY. PATCH & PREP FLOOR FOR SCHEDULED FINISH. SEE SPECIFICATION SECTION 09 05 16 SUBSURFACE PREPARATION FOR FLOOR FINISHES.
(DE2) REMOVE CEILING IN ITS ENTIRETY, INCLUDING ALL MECHANICAL & ELECTRICAL ITEMS. SEE MECHANICAL/ELECTRICAL.
(DE3) REMOVE GYP BD ON ONE SIDE OF PARTITION AS REQUIRED. SEE PLANS AND MECHANICAL/ELECTRICAL FOR ADDITIONAL INFORMATION.
(DE4) CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF DOOR AND FRAME AS SCHEDULED. SEE PLAN.
(DE5) REMOVE PORTION OF CEILING AS REQUIRED. SEE PLANS FOR ADDITIONAL INFORMATION.
(DE6) REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED PIPING. -SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
(DE7) REMOVE BASE CABINETS, UPPER CABINETS, TALL CABINETS AND/ OR COUNTERTOP.
(DE8) REMOVE CEILING IN THIS AREA AS REQUIRED FOR MEP WORK. SALVAGE CEILING WHERE APPROPRIATE FOR REINSTALLATION. SEE PLANS FOR ADDITIONAL WORK.
(DE9) REMOVE CONDUITS THROUGH FLOOR. SEE PLAN FOR ADDITIONAL INFORMATION.
(DE10) REMOVE PARTITION MOUNTED MIRROR AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION.
(DE11) REMOVE SURFACE MOUNTED PLYWOOD. TEMPORARILY SUPPORT ANY EQUIPMENT. SEE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
(DE12) REMOVE COVED CONCRETE BASE AT PARTITION.
(DE13) REMOVE PREMANUFACTURED PLASTIC LOCKER(S), SALVAGE FOR REINSTALLATION.
(DE14) REMOVE RAISED FLOOR SYSTEM IN ITS ENTIRETY AND METAL RAMP.
(DE15) REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION.
(DE16) REMOVE PORTION OF MEMBRANE ROOFING SYSTEM, IN PREPARATION FOR RESLOPING AND REROOFING. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION.
(DE17) REMOVE ROOF DRAIN AND ASSOCIATED PIPING. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
(DE18) REMOVE METAL LOUVER AND ALL ASSOCIATED MOUNTING HARDWARE. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
(DE19) CUT OPENING IN BRICK AND METAL STUD BACK UP WALL FOR DOOR AND FRAME AS SCHEDULED. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION.
(DE20) REMOVE PARTIAL HEIGHT CERAMIC TILE AT SINK.
(DE21) REMOVE METAL RADIATOR COVER.
(DE22) REMOVE SURFACE APPLIED WALL COVERING, TRIM, VINYL BASE AND / OR CRASH / HAND RAIL AS NEEDED.
(DE23) REMOVE DOOR, FRAME AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION. SEE PLAN.
(DE24) REMOVE ALUMINUM WINDOW SYSTEM AND ALL ASSOCIATED HARDWARE. REMOVE CAST STONE SILL, EXTERIOR, AND SOLID SURFACE SILL, INTERIOR.
(DE25) CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF EDGE ILLUMINATED PHOTO MURALS.
(DE26) SAW CUT FACE BRICK AND REMOVE PORTION OF WALL. SEE PLAN FOR ADDITIONAL INFORMATION.
NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN.

FLOOR PLAN KEYED NOTES

- (FL1) PATCH PARTITION, BOTH SIDES, AS REQUIRED FROM MECHANICAL / ELECTRICAL WORK. SEE MECHANICAL/ELECTRICAL FOR ADDITIONAL INFORMATION.
(F1.2) PROVIDE PARTITION TYPE XP3 INFILL AT REMOVED RADIATOR GRILLS. PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
(F1.3) INFILL FLOOR TO MATCH EXISTING HEIGHT. SEE STRUCTURAL.
(F1.4) PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES, AS REQUIRED FROM DEMOLITION. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
(F1.5) PROVIDE PLYWOOD 3 SIDES OF ROOM. SEE TYPICAL ELEVATIONS SHEET AE211.
(F1.6) INFILL OPENINGS IN CONCRETE FLOOR. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. PREP FLOOR FOR FINISHES AS SCHEDULED.
(F1.7) PATCH FLOOR AT REMOVED ELECTRICAL. PREP FLOOR FOR FINISHES AS SCHEDULED.
(F1.8) REINSTALL SALVAGED DOOR, FRAME AND ALL ASSOCIATED HARDWARE.
(F1.9) REINSTALL SALVAGED LOCKER(S). PROVIDE PREMANUFACTURED BASE, FINISHED END PANEL(S) AND SLOPED TOP(S). TO MATCH EXISTING.
(F1.10) REINSTALL SALVAGED SIGN(S).
(F1.11) REINSTALL SALVAGED CEILING REMOVED FOR INSTALLATION OF MEP ITEMS. SEE MEP PLANS FOR ADDITIONAL INFORMATION.
(F1.12) MODIFY BASE AND SLOPED TOP AT EXISTING LOCKERS. PROVIDE PREMANUFACTURED FINISHED END PANEL(S) TO MATCH EXISTING.
(F1.13) PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 3 / AF600.
(F1.14) PATCH FLOORING TO MATCH EXISTING FLOORING AS REQUIRED. CONTRACTOR TO PROVIDE LABOR AND MATERIALS.
(F1.15) PATCH CONCRETE FLOOR AT REMOVED PARTITION AND/OR CONCRETE COVE BASE. PREP FOR FINISHES AS SCHEDULED.
(F1.16) EDGE ILLUMINATED PHOTO MURALS, RECESSED IN PARTITION. FOR ADDITIONAL INFORMATION SEE ELEVATION 8 / AE211.
(F1.17) FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 2 / AF600.
(F1.18) PAINT WALLS P-1.
(F1.19) PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 4 / AF600.
(F1.20) FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 5 / AF600.
(F1.21) PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 6 / AF600.
(F1.22) UPGRADE PARTITIONS TO 1 HOUR FIRE AND SMOKE BARRIER ALL SIDES OF ROOM. PROVIDE TESTED HEAD OF PARTITION ASSEMBLY WITH MATERIALS THAT RESIST THE PASSAGE OF SMOKE. SEAL JOINT AT HEAD OF PARTITION AND ALL PENETRATIONS WITH FIRE CALK.
NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN.

FLOOR PLAN SYMBOLS

EXISTING WALL TO REMAIN	8'-0"	DIMENSION LINE, NOMINAL
WALL	8'-0"	EXTENDED DIMENSION LINE, NOMINAL
EXISTING DOOR AND FRAME TO REMAIN	1A AE211	INTERIOR ELEVATION INDICATOR TAG
DOOR	1A AE201	EXTERIOR ELEVATION INDICATOR TAG
INTERIOR BORROWED LIGHT	283	EQUIPMENT TAG
WALL TAG	100	FLOOR SPOT ELEVATION
OFFICE ROOM NAME AND NUMBER	1A AE201	DETAIL REFERENCE TAG
KEY NOTE	(FP10)	
INTERIOR SECTION REFERENCE TAG	1A AE201	EXTERIOR SECTION REFERENCE TAG
REVISION TAG	PR11	REVISION CLOUD
GRIDLINE	A	SIGN TAG

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.

LIFE SAFETY SYMBOLS

SMOKE TIGHT ASSEMBLY	1 HOUR FIRE & SMOKE BARRIER
1 HOUR FIRE BARRIER	2 HOUR FIRE & SMOKE BARRIER
2 HOUR FIRE BARRIER	3 HOUR FIRE & SMOKE BARRIER
3 HOUR FIRE BARRIER	FIRE EXTINGUISHER CABINET

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.

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4 ENLARGED PLAN - TELECOM 1032 - BUILDING 16 (1/2\"/>

CONSULTANT



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Office of Construction and Facilities Management



Drawing Title LOWER LEVEL DEMOLITION, FLOOR PLAN & ENLARGED PLAN - BUILDING 16

Approved:

Phase BID DOCUMENTS

FULLY SPRINKLERED

Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location Sioux Falls, SD

Issue Date 02/18/2022

Checked Checker

Drawn Author

Project Number 438-20-910

Building Number 16

Drawing Number AE101-16

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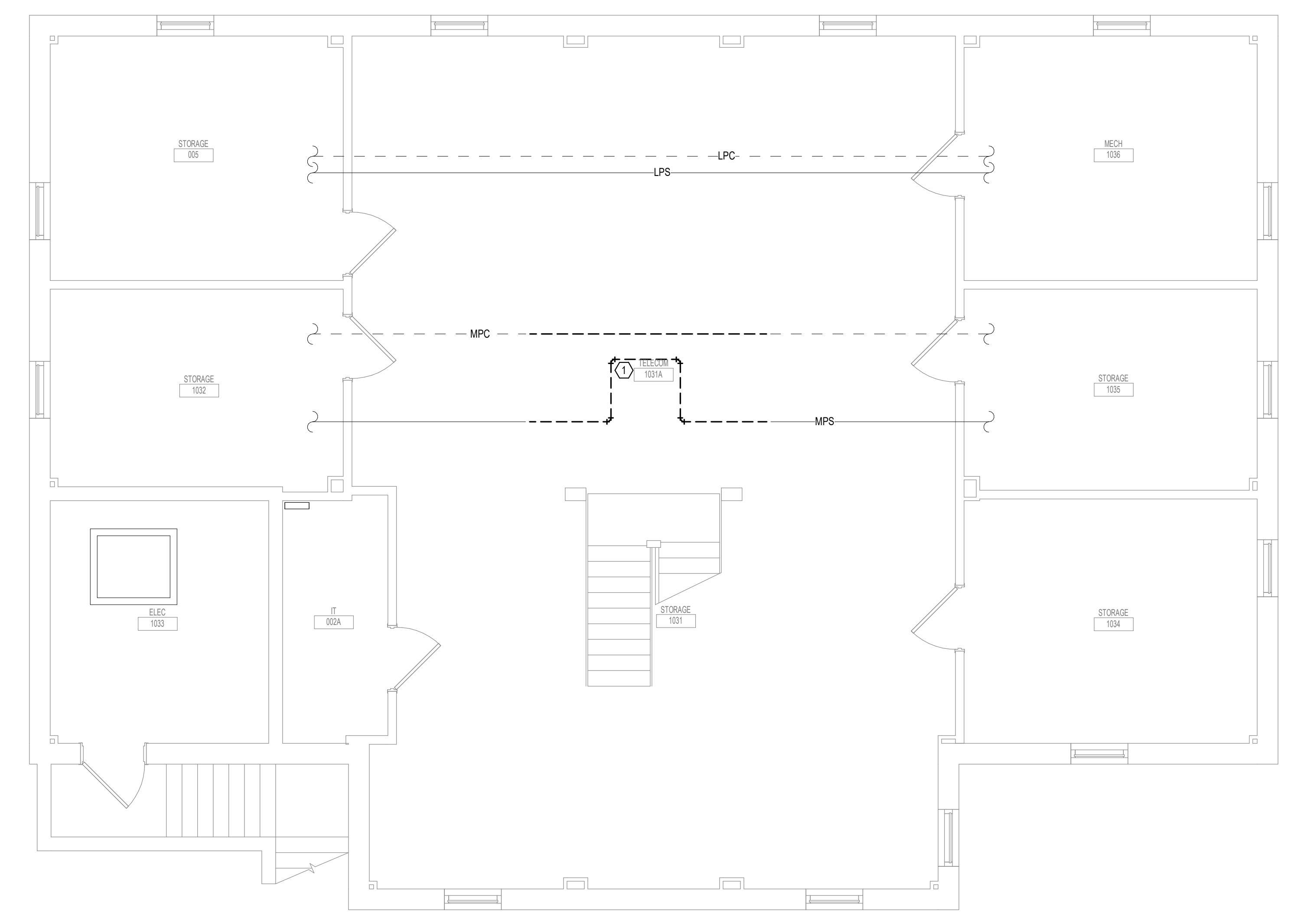
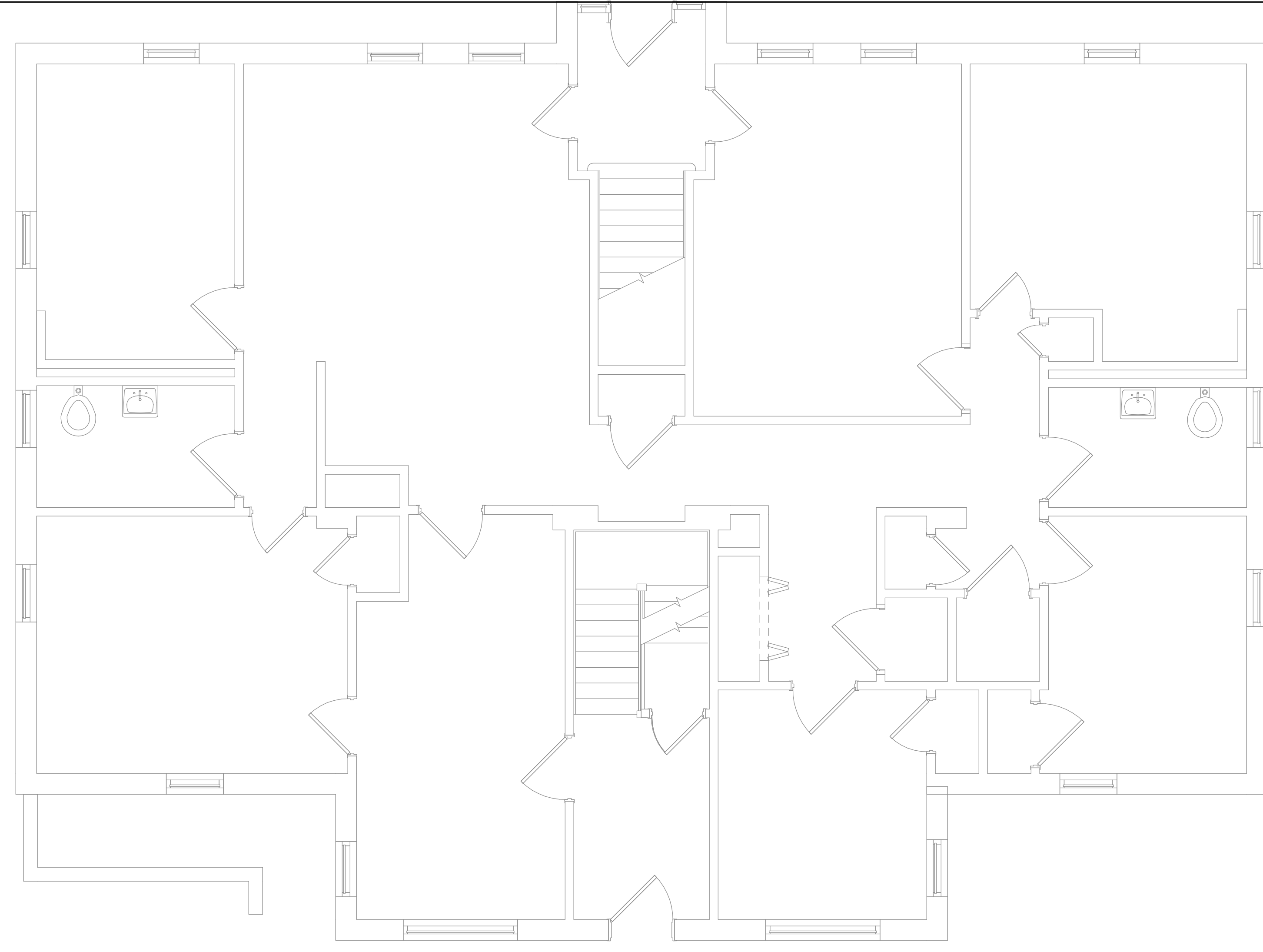
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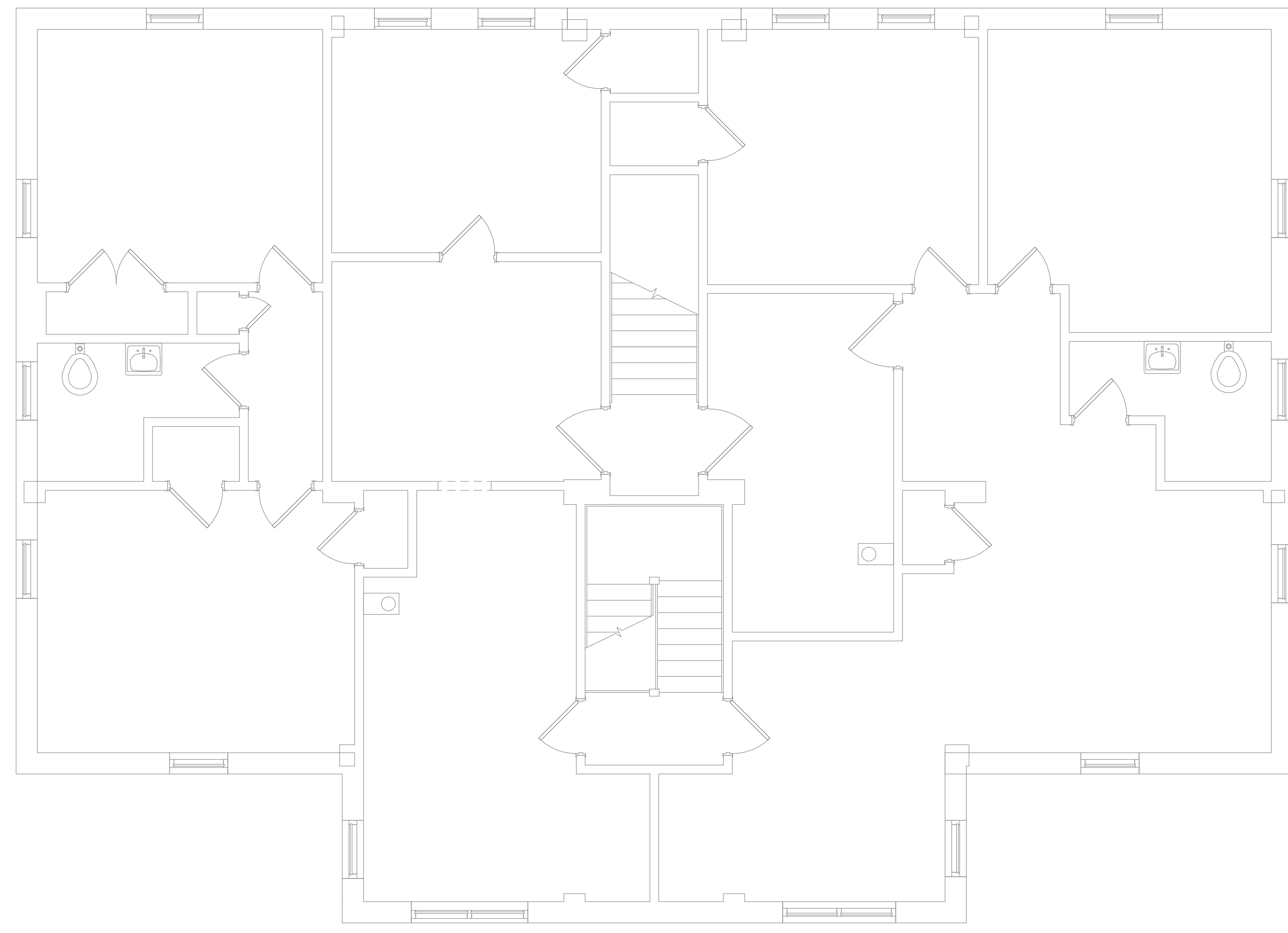
- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
 - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
 - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
 - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

- SHEET NOTES:**
- DEMOLISH MPS AND MPC PIPING TO LIMITS SHOWN. PREPARE PIPING FOR NEW CONNECTION.



2 SECOND LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 16
 1/4" = 1'-0"
 1:48

1 LOWER LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 16
 1/4" = 1'-0"
 1:48



3 FIRST LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 16
 1/4" = 1'-0"
 1:48

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Revisions:	Date:

CONSULTANT AST	ARCHITECT/ENGINEER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title LOWER LEVEL, FIRST LEVEL & SECOND LEVEL MECHANICAL DEMOLITION PLAN - BUILDING 16	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910
				Approved:	Fully Sprinklered FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 16
Date:	Date:	Date:	Date:	Issue Date 07/06/2021	Checked EGS	Drawn PHV	Drawing Number MD111-16

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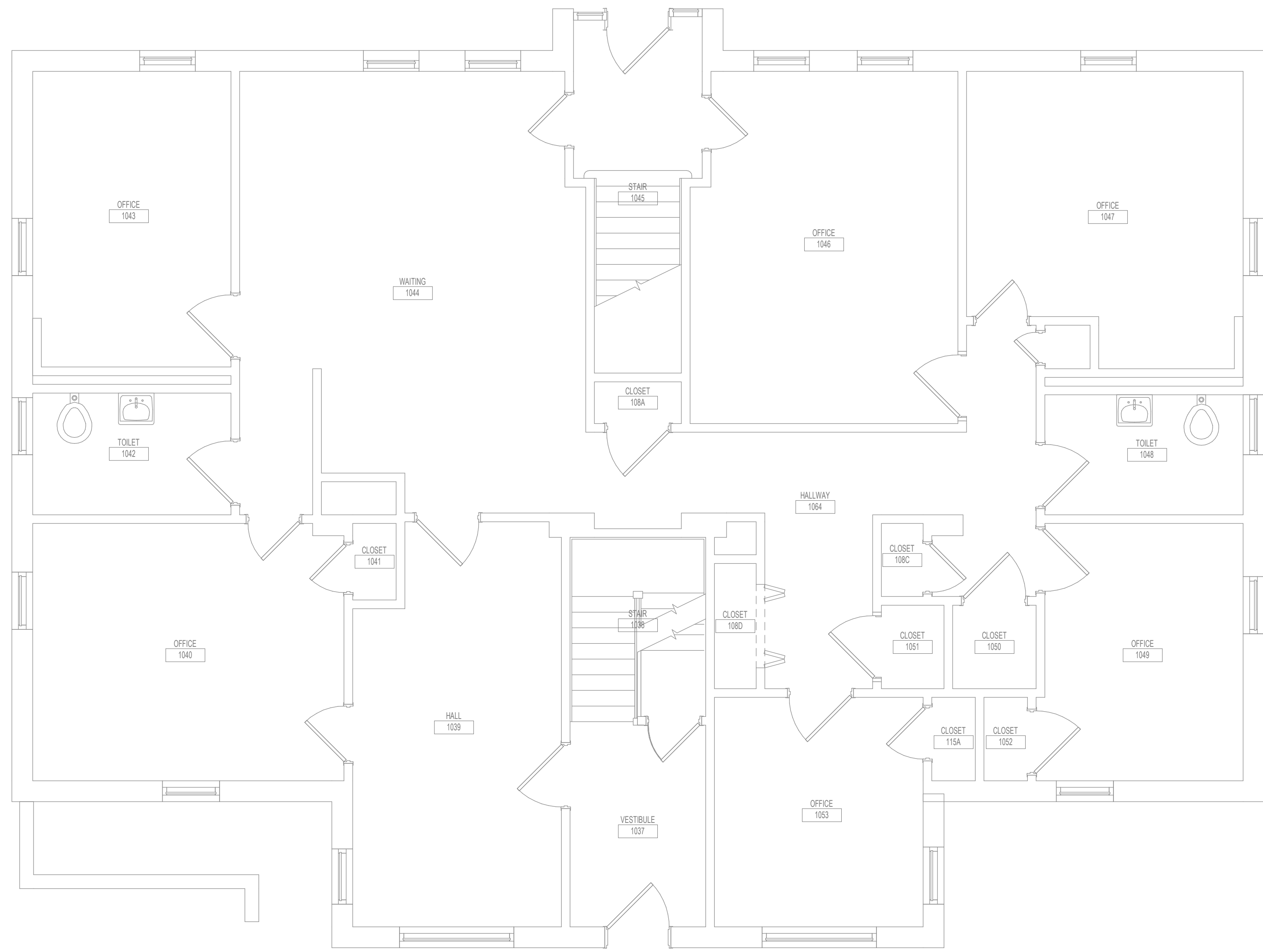
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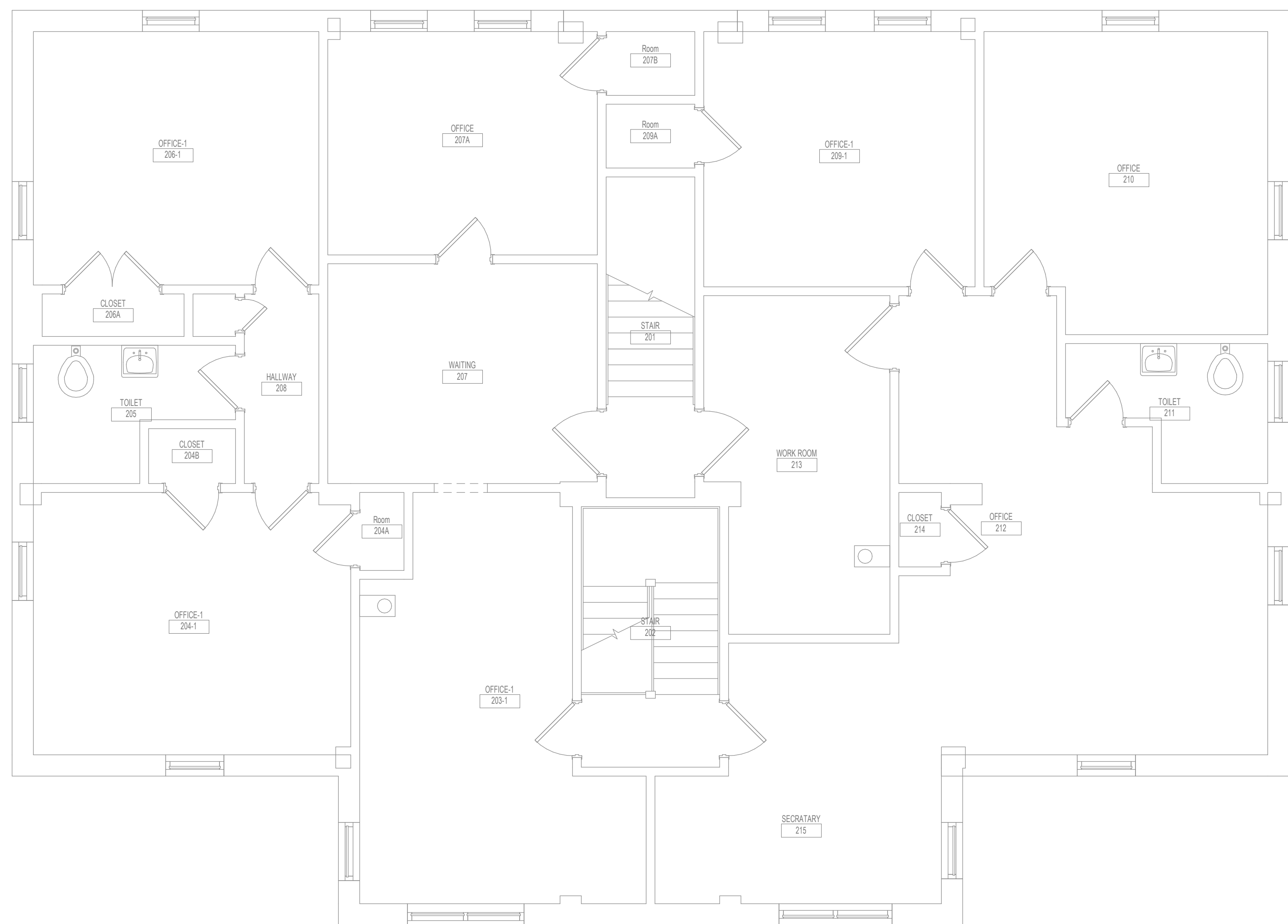
1 LOWER LEVEL DUCTWORK FLOOR PLAN - BUILDING 16

1/4" = 1'-0"



2 SECOND LEVEL DUCTWORK FLOOR PLAN - BUILDING 16

1/4" = 1'-0"



3 FIRST LEVEL DUCTWORK FLOOR PLAN - BUILDING 16

1/4" = 1'-0"



GENERAL NOTES:

1. COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED. EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
4. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

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Revisions:	Date:

CONSULTANT



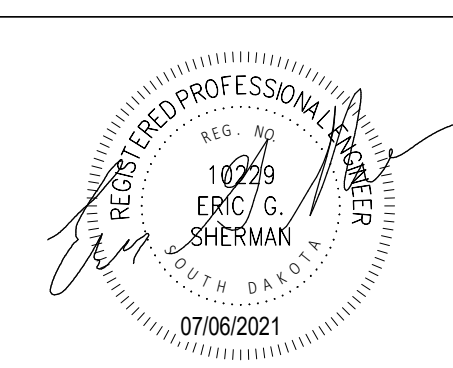
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Anderson Engineering of Minnesota, LLC | Proj # 16090

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Office of Construction and Facilities Management



Drawing Title
LOWER LEVEL & FIRST LEVEL DUCTWORK PLAN - BUILDING 16

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

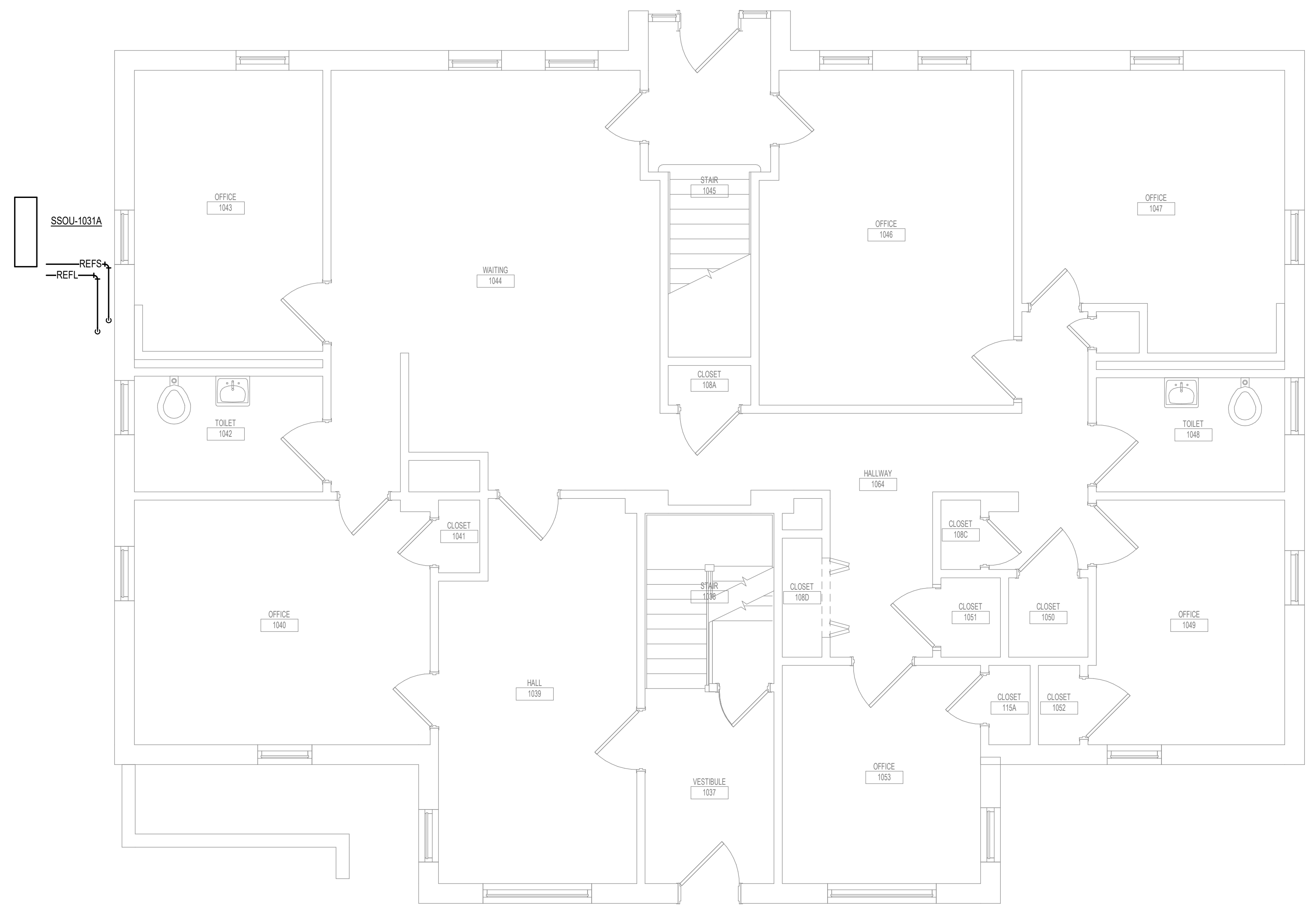
Location
Sioux Falls, SD

Issue Date
07/06/2021

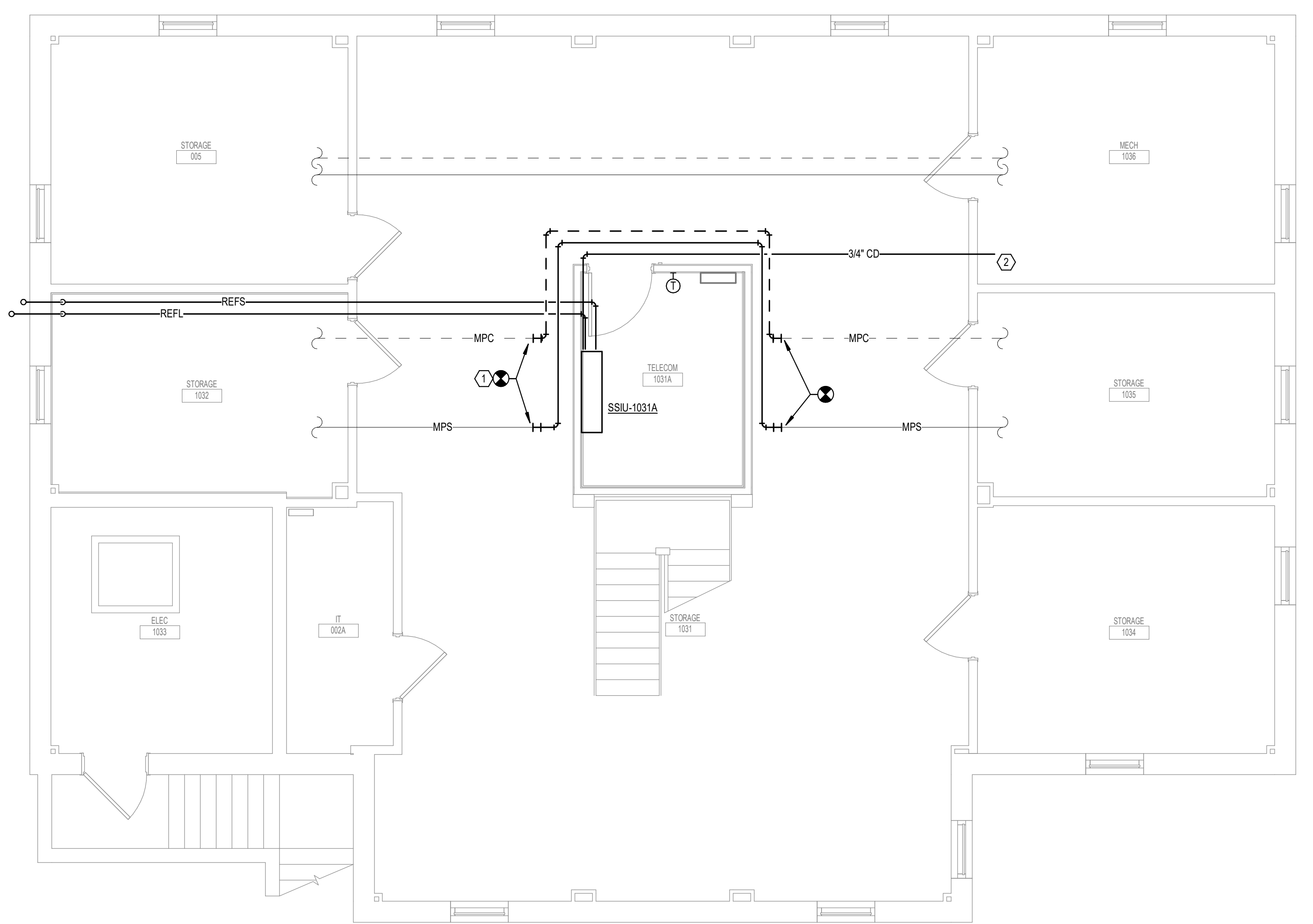
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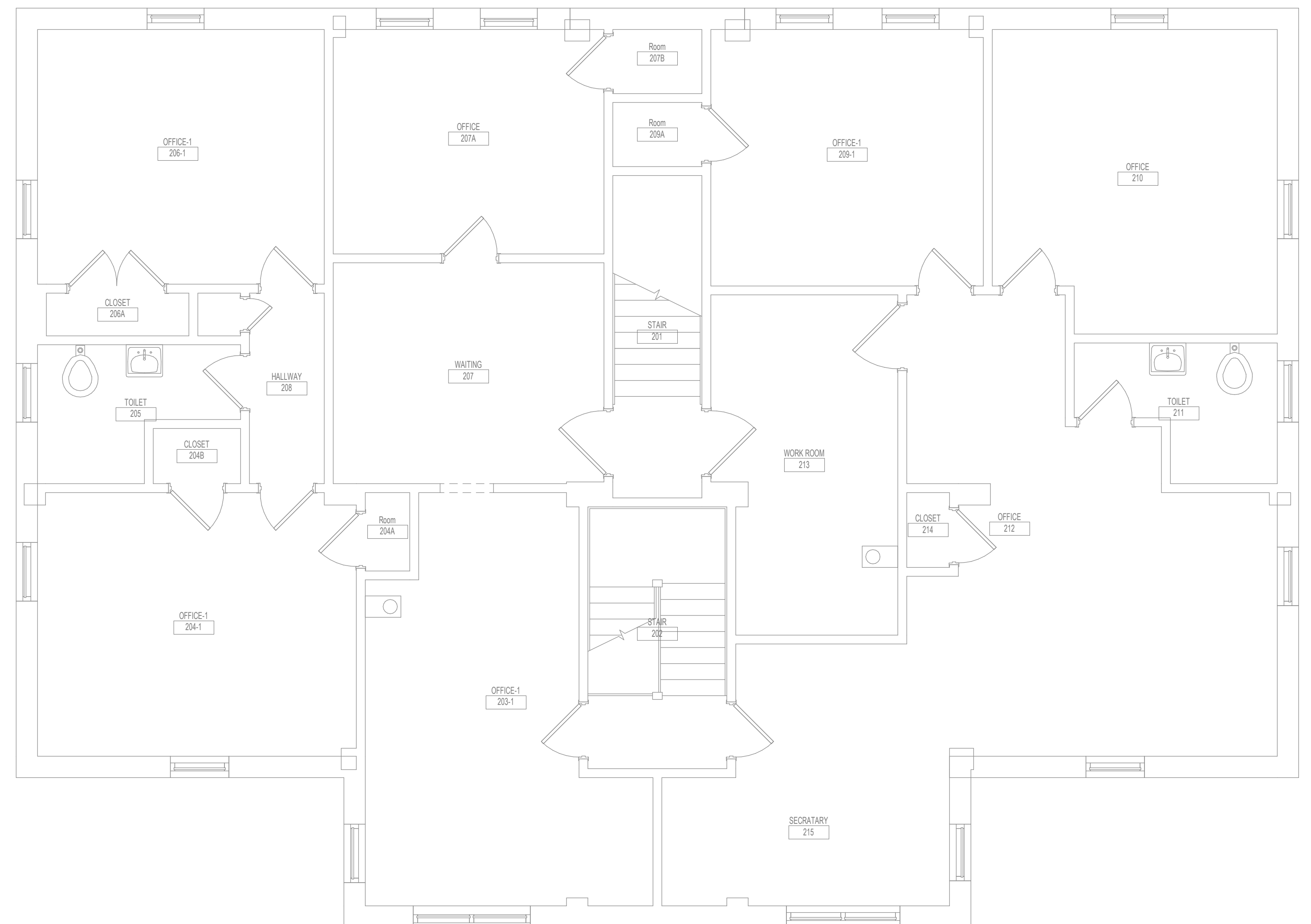
Project Number
438-20-910
Building Number
16
Drawing Number
MH111-16



2 SECOND LEVEL PIPING FLOOR PLAN - BUILDING 16
1/4" = 1'-0"
1:48



1 LOWER LEVEL PIPING FLOOR PLAN - BUILDING 16
1/4" = 1'-0"
1:48



3 FIRST LEVEL PIPING FLOOR PLAN - BUILDING 16
1/4" = 1'-0"
1:48

- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
 - ON DEMOLITION PLANS EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED. EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
 - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
 - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

- SHEET NOTES:**
- ROUTE NEW MPS AND MPC PIPING AROUND NEW TELECOM ROOM.
 - ROUTE CONDENSATE FROM INDOOR UNIT TO FLOOR DRAIN IN MECH 103B.

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Revisions:	Date:

CONSULTANT AST	ARCHITECT/ENGINEER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title LOWER LEVEL & FIRST LEVEL PIPING FLOOR PLAN - BUILDING 16	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910	
				Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 16	
					Issue Date 07/06/2021	Checked EGS	Drawn PHV	Drawing Number MP111-16

CABLING NOTES:

1. ROOM 002A
EXISTING CABLE COUNT
DATA (CAT6): 17
DATA (CAT5): 72
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

CABLE RELOCATION COUNT
DATA (CAT6): 17 TO BUILDING 17
DATA (CAT5): 72 TO BUILDING 72
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

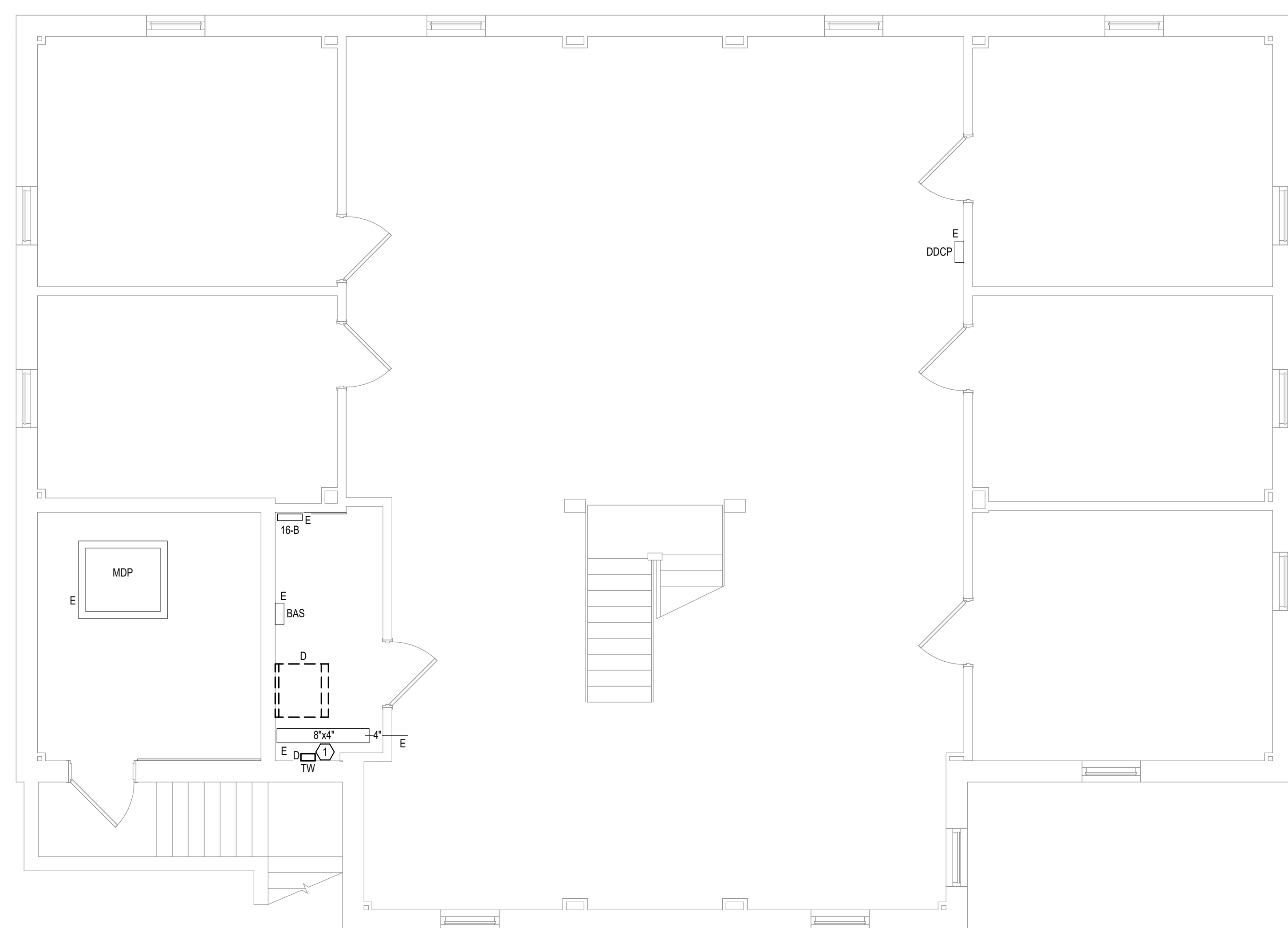
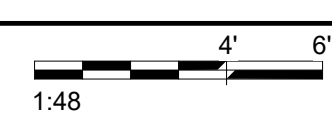
EXISTING CABLE TO REMAIN
DATA (CAT6): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT
DATA (CAT6): 89
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

SHEET NOTES: ○

1. EXISTING TELEPHONE WALL FIELD TO BE DEMOLISHED. NEW COPPER BACKBONE TO BE PROVIDED ON PATCH PANELS IN TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.

3 FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 16
1/4" = 1'-0"



2 LOWER LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 16
1/4" = 1'-0"



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Construction
and Facilities
Management

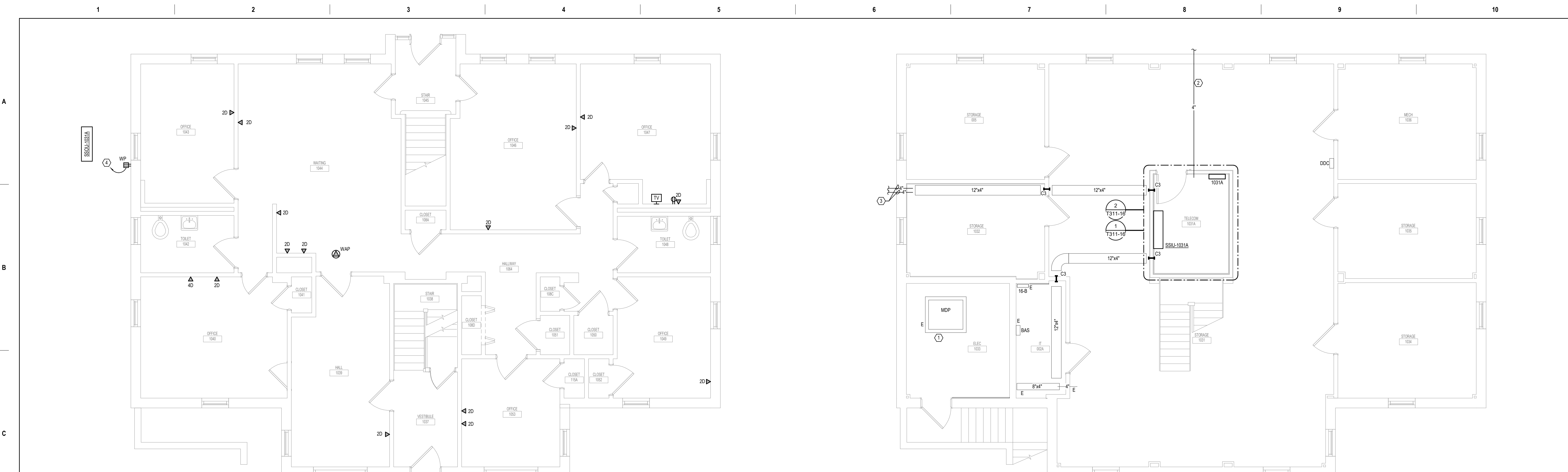
Drawing Title
LOWER, FIRST & SECOND LEVEL
ELECTRICAL DEMOLITION FLOOR
PLAN - BUILDING 16
Approved:

Phase
BID DOCUMENTS
FULLY
SPRINKLERED

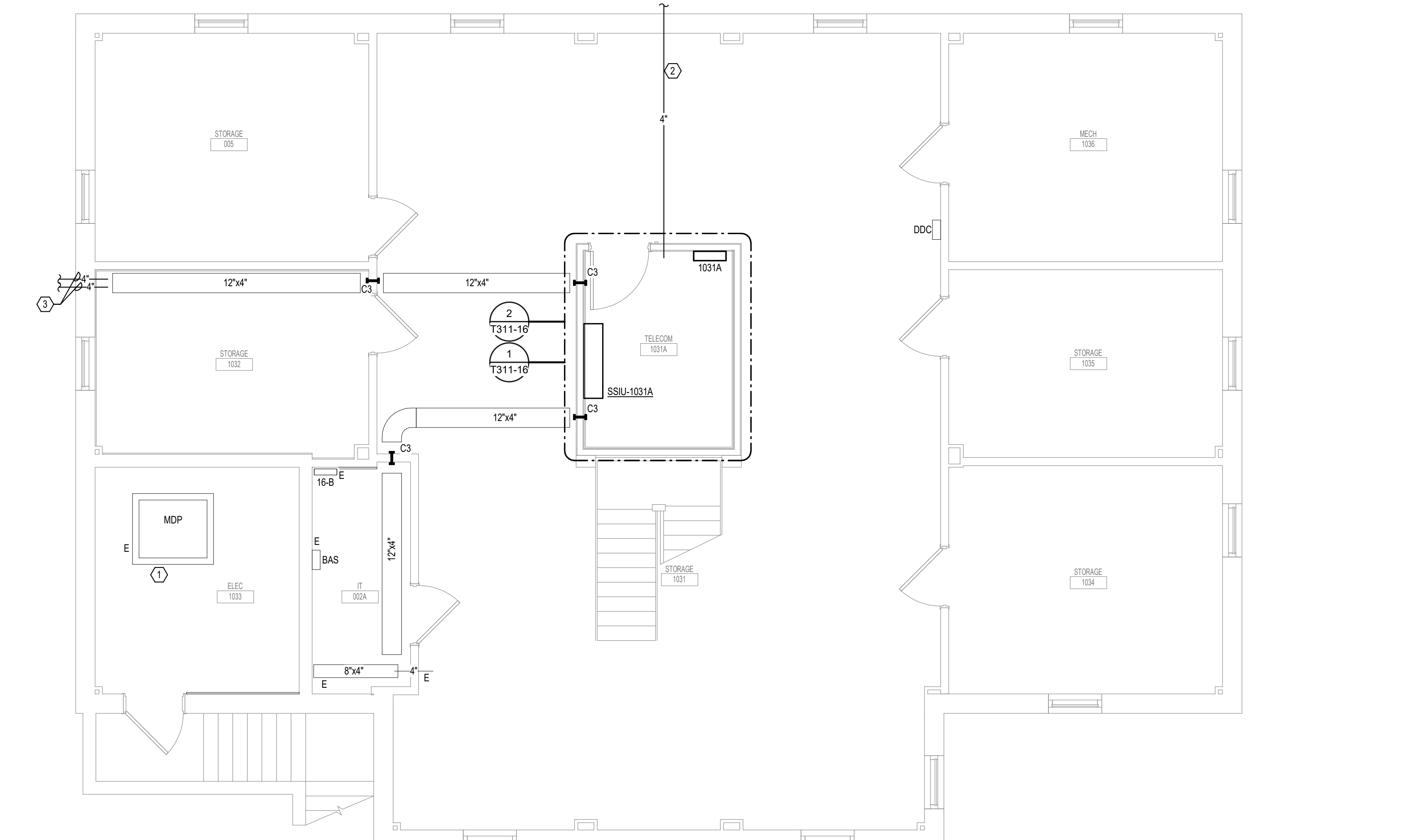
Project Title
VAMC SIOUX FALLS EHRM
INFRASTRUCTURE UPGRADES
Location
Sioux Falls, SD
Issue Date
07/06/2021
Checked
KSB
Drawn
NMT

Project Number
438-20-910
Building Number
16
Drawing Number
ED111-16

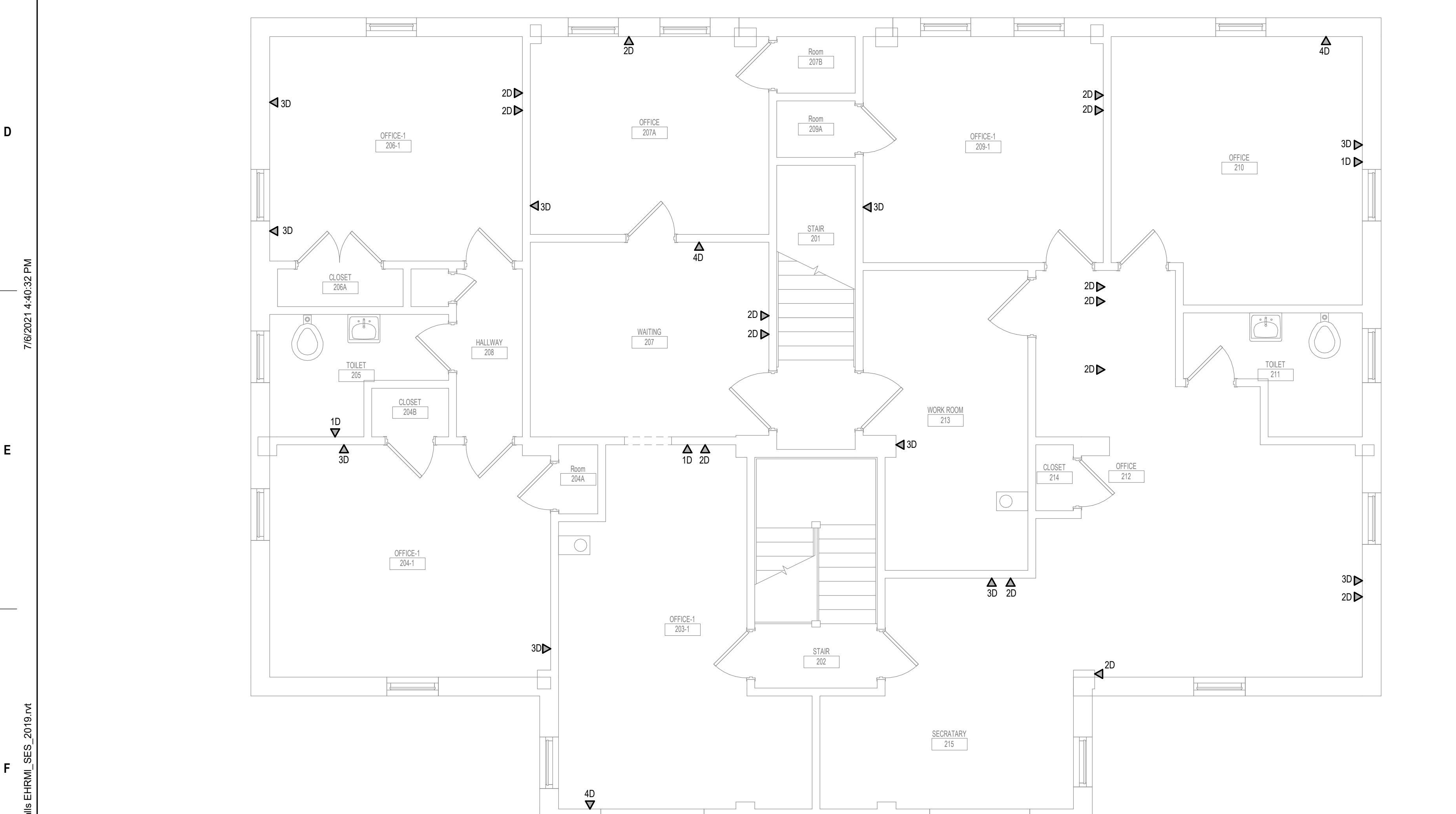
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3 FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 16
1/4" = 1'-0"
1:48



2 LOWER LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 16
1/4" = 1'-0"
1:48



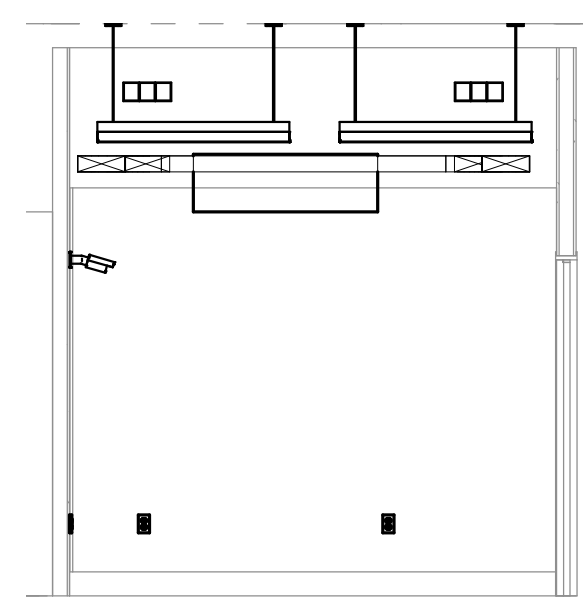
1 SECOND LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 17
1/4" = 1'-0"
1:48

- SHEET NOTES:**
1. PROVIDE NEW 1003 CIRCUIT BREAKER IN EXISTING PANEL MDP TO BE FEED NEW PANEL 1031A. EXISTING PANEL MDP IS A SQUARE D QED2, 65 KAC PANELBOARD. FEEDER SHALL BE (4) #1, #8 GROUND IN 2" CONDUIT.
 2. PROVIDE NEW 4" CONDUIT FROM TELECOMMUNICATIONS PULL BOX INTO BUILDING. FIELD COORDINATE THE EXACT LOCATION OF THE CONDUIT ENTRANCE. ROUTE CONDUIT WITHIN THE BUILDING AS HIGH AS PRACTICABLE.
 3. PROVIDE NEW (2) 4" CONDUIT DUCTBANK FROM BUILDING 16 TO BUILDING 17. FIELD COORDINATE THE EXACT LOCATION OF THE CONDUIT ENTRANCE. ROUTE CONDUIT WITHIN THE BUILDING AS HIGH AS PRACTICABLE.
 4. POWER DEVICE TO NEAREST AVAILABLE BRANCH CIRCUIT FEEDING RECEPTACLES IN THIS AREA.

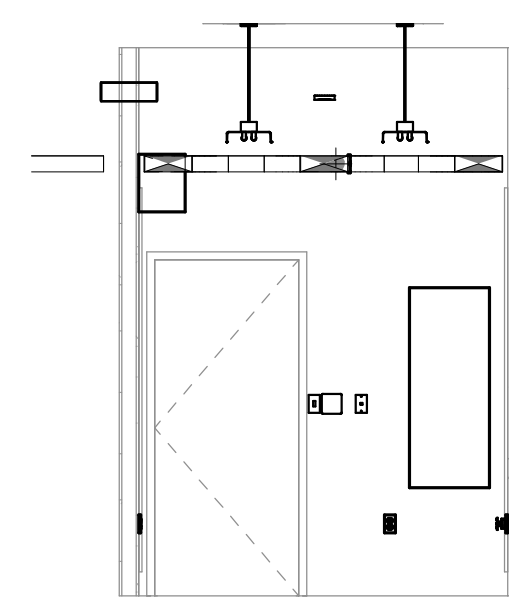
INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.
INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER.

Revisions:	Date:

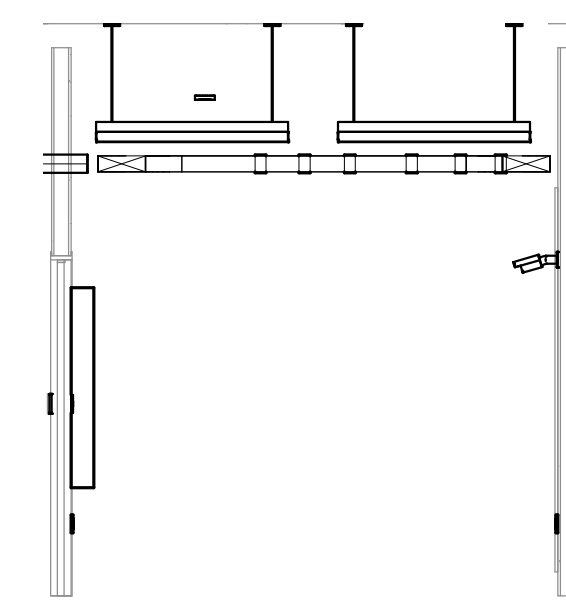
CONSULTANT 	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 REGISTERED COMMUNICATIONS DISTRIBUTION	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title LOWER, FIRST, & SECOND LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 16	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910
				Approved:	Fully Sprinklered FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 16
						Issue Date 07/06/2021	Drawing Number TN111-16



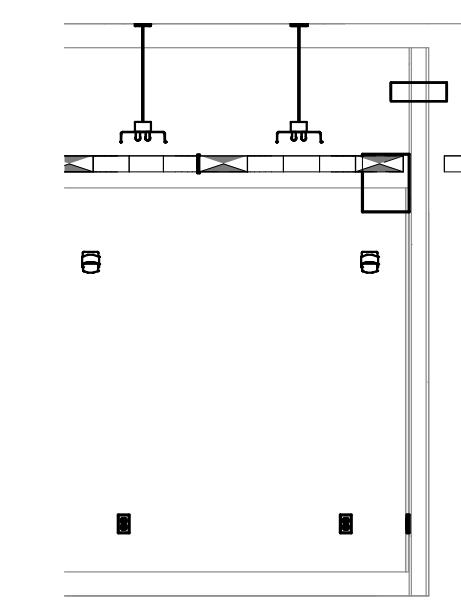
7 24 - a
1/4" = 1'-0"



6 24 - b
1/4" = 1'-0"



5 24 - c
1/4" = 1'-0"



4 24 - d
1/4" = 1'-0"

CABLING NOTES:

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

ROOM 1031A

EXISTING CABLE COUNT
DATA (CAT5): 0
DATA (CAT5): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

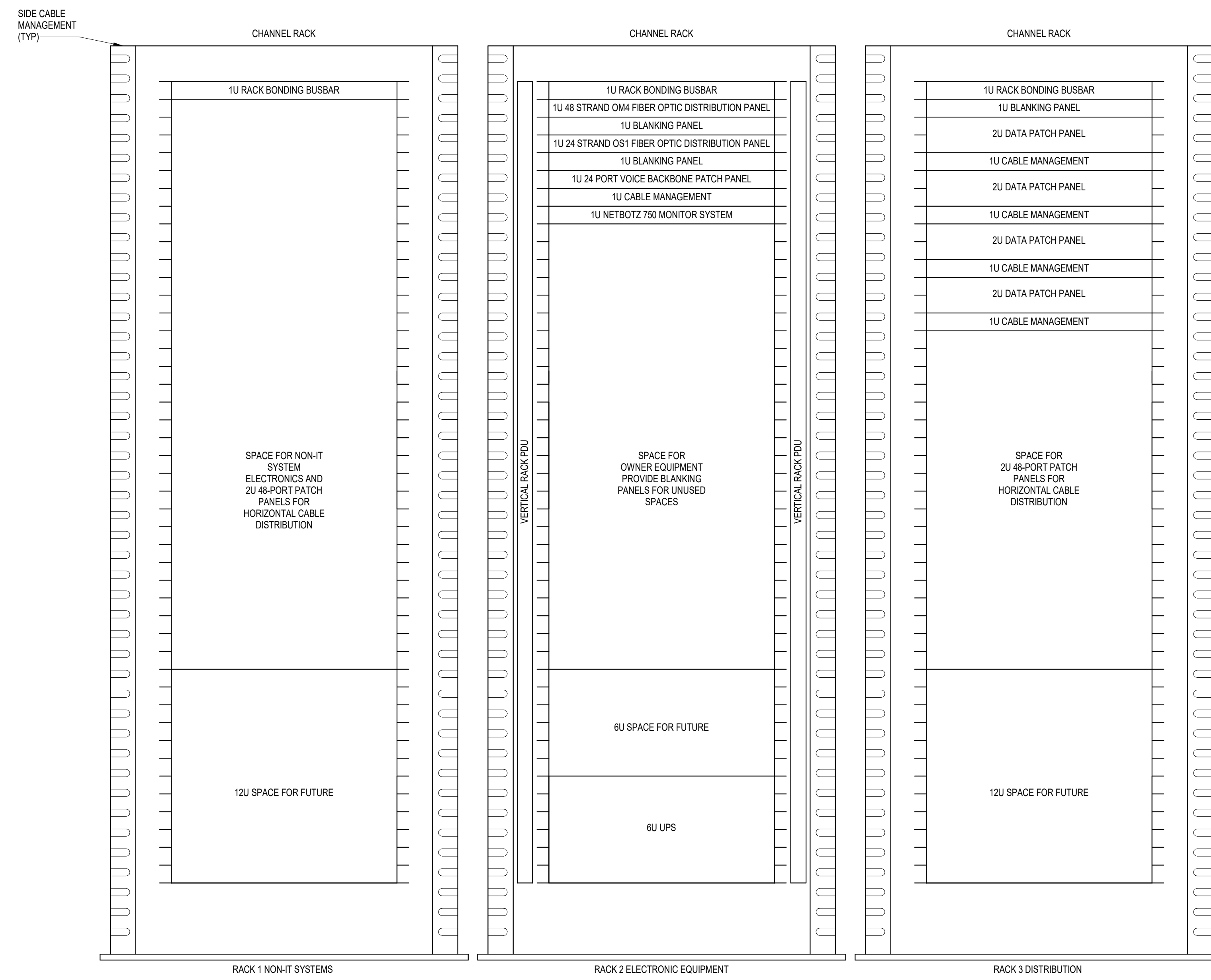
CABLE RELOCATION COUNT
DATA (CAT5): +8 FROM BUILDING 17
DATA (CAT5): +14 FROM ROOM 002A
DATA (CAT5): +65 FROM BUILDING 17
DATA (CAT5): +72 FROM ROOM 002A
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN
DATA (CAT5): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT
DATA (CAT5): 159
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0

SHEET NOTES:

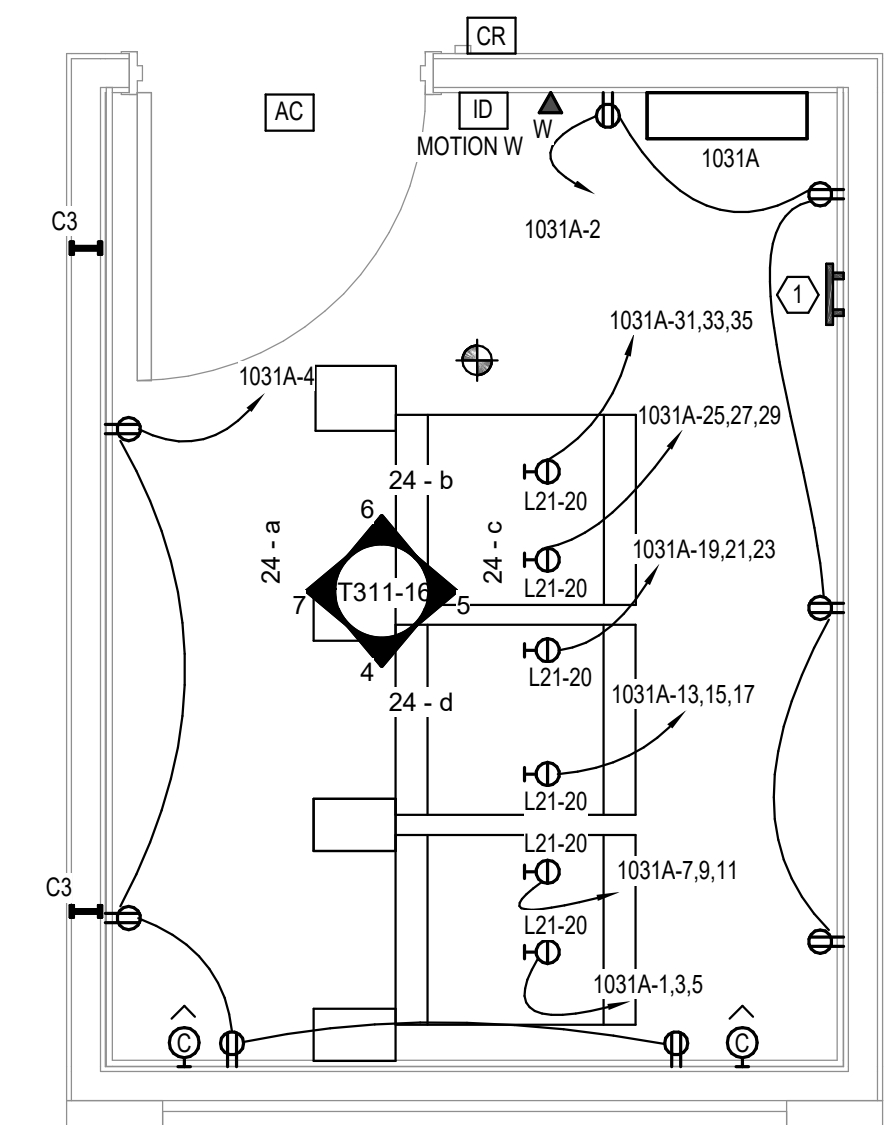
1. PROVIDE #30 COPPER BONDING CONDUCTOR FROM TELECOMMUNICATIONS GROUND BAR TO GROUND BAR IN BUILDING 16 PANEL MDP.



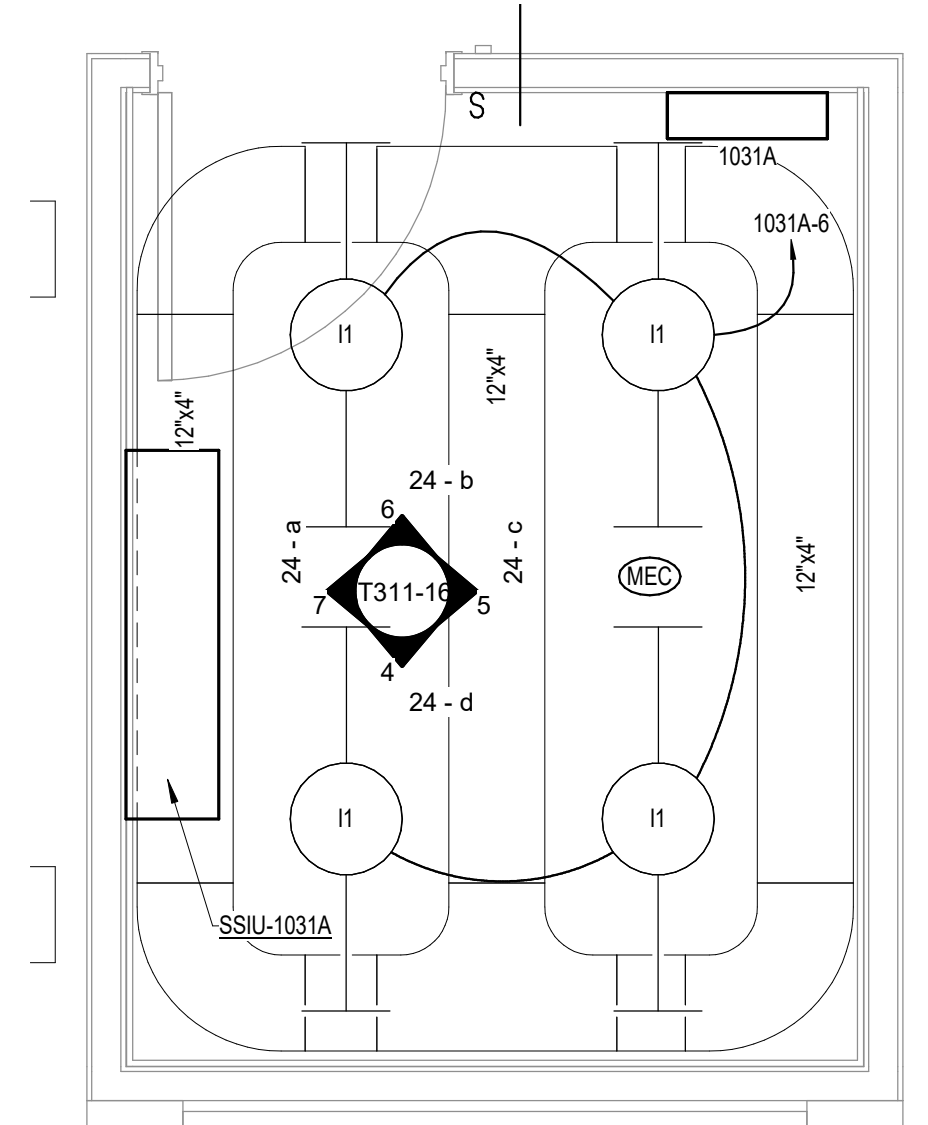
NOTES:

- COORDINATE FINAL RACK LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
- PROVIDE COMPONENTS NOT LISTED BY OWNER.
- SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
- COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
- REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
- COORDINATE INSTALLATIONS WITH OWNER'S ISIT REPRESENTATIVE.

3 RACK ELEVATION - ROOM 1031A
NO SCALE



2 ENLARGED ROOM 1031A - BUILDING 16
1/2" = 1'-0"



1 ENLARGED ROOM 1031A - BUILDING 16
1/2" = 1'-0"

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				Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 16
				Issue Date 07/06/2021	Checked KSB	Drawn NMT	Drawing Number T311-16

A

B

C

D

E

F

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LIGHTING PANEL: 1031A												
LOCATION: TELECOM 1031A				VOLTS: 208/120 WYE				MAINS TYPE: MCB				
SUPPLY FROM: MDP				PHASES: 3				MCB/MLO RATING: 100 A				
BRANCH: NORMAL				WIRES: 4				MCB OPTIONS: NONE				
SERVICE RATED: No				INTEGRAL SPD: Yes				SECTIONS: 1				
MOUNTING: SURFACE				AVAILABLE SCC (KA): 24				PANEL POLES: 42				
NEMA ENCLOSURE: 1												
C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...
1	PWR-C TELECOMM 1031A - RACK RECEPTACLE		20 A	3	1922... 720 VA	1922 VA 720 VA			1	20 A	REC TELECOM 1031A	2
3									1	20 A	REC TELECOM 1031A	4
5							1922 VA 99 VA		1	20 A	LTG TELECOM 1031A	6
7	PWR-C TELECOMM 1031A - RACK RECEPTACLE		20 A	3	1922... 1488 VA	1922 VA 1488 VA			2	30 A	SSIU-1031A/SSOU-1031A	8
11							1922 VA 0 VA		1	20 A	-- SPARE	12
13							1922 VA 0 VA		1	20 A	-- SPARE	14
15	PWR-C TELECOMM 1031A - RACK RECEPTACLE		20 A	3	1922... 0 VA	1922 VA 0 VA			1	20 A	-- SPARE	16
17							1922 VA 0 VA		1	20 A	-- SPARE	18
19							1922 VA 0 VA		1	20 A	-- SPARE	20
21	PWR-C TELECOMM 1031A - RACK RECEPTACLE		20 A	3	1922... 0 VA	1922 VA						22
23							1922 VA					24
25												26
27	PWR-C TELECOMM 1031A - RACK RECEPTACLE		20 A	3	1922...	1922 VA						28
29							1922 VA					30
31	PWR-C TELECOMM 1031A - RACK RECEPTACLE		20 A	3	1922...	1922 VA						32
33							1922 VA					34
35							1922 VA					36
37					0 VA							38
39	SPARE	--	20 A	3	0 VA							40
41							0 VA					42
TOTAL LOAD:					13738 VA	13738 VA	11629 VA					
TOTAL AMPS:					117 A	117 A	97 A					
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS							
LTG		99 VA	125.00%	124 VA	CONNECTED LOAD: 39104 VA							
REC		1440 VA	100.00%	1440 VA	CONNECTED CURRENT: 109 A							
MTR		2975 VA	124.00%	3689 VA	DEMAND LOAD: 18902 VA							
PWR-WC		17295 VA	78.91%	13648 VA	DEMAND CURRENT: 52 A							
RED		17295 VA	0.01%	2 VA	CONSIDER 125% DEMAND: 23627 A							
					EQUIPMENT AMPS: 100 A							
					FEEDER AVAILABLE: 47 %							
					SPARE CAPACITY: 48 A							
OPTIONS:												
CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING												
GENERAL REMARKS:												
A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).												

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Nathan Timm
BICSI ID # 346555
EXPIRES 12-31-21
REGISTERED COMMUNICATIONS DISTRIBUTION

Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title

PANEL SCHEDULES - BUILDING 16 - FIRST LEVEL

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
Sioux Falls, SD

Issue Date
07/06/2021

Checked
KSB

Drawn
NMT

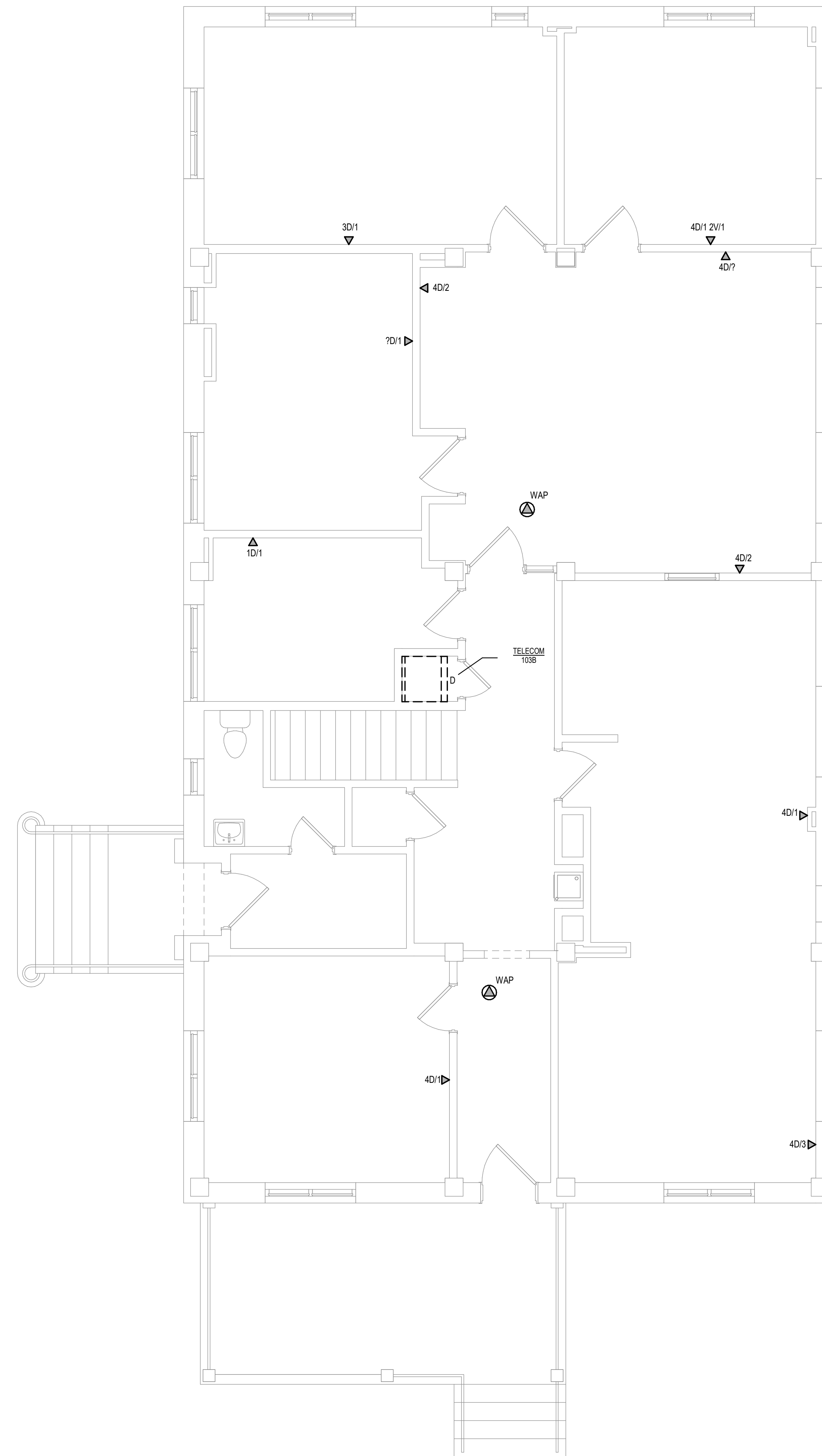
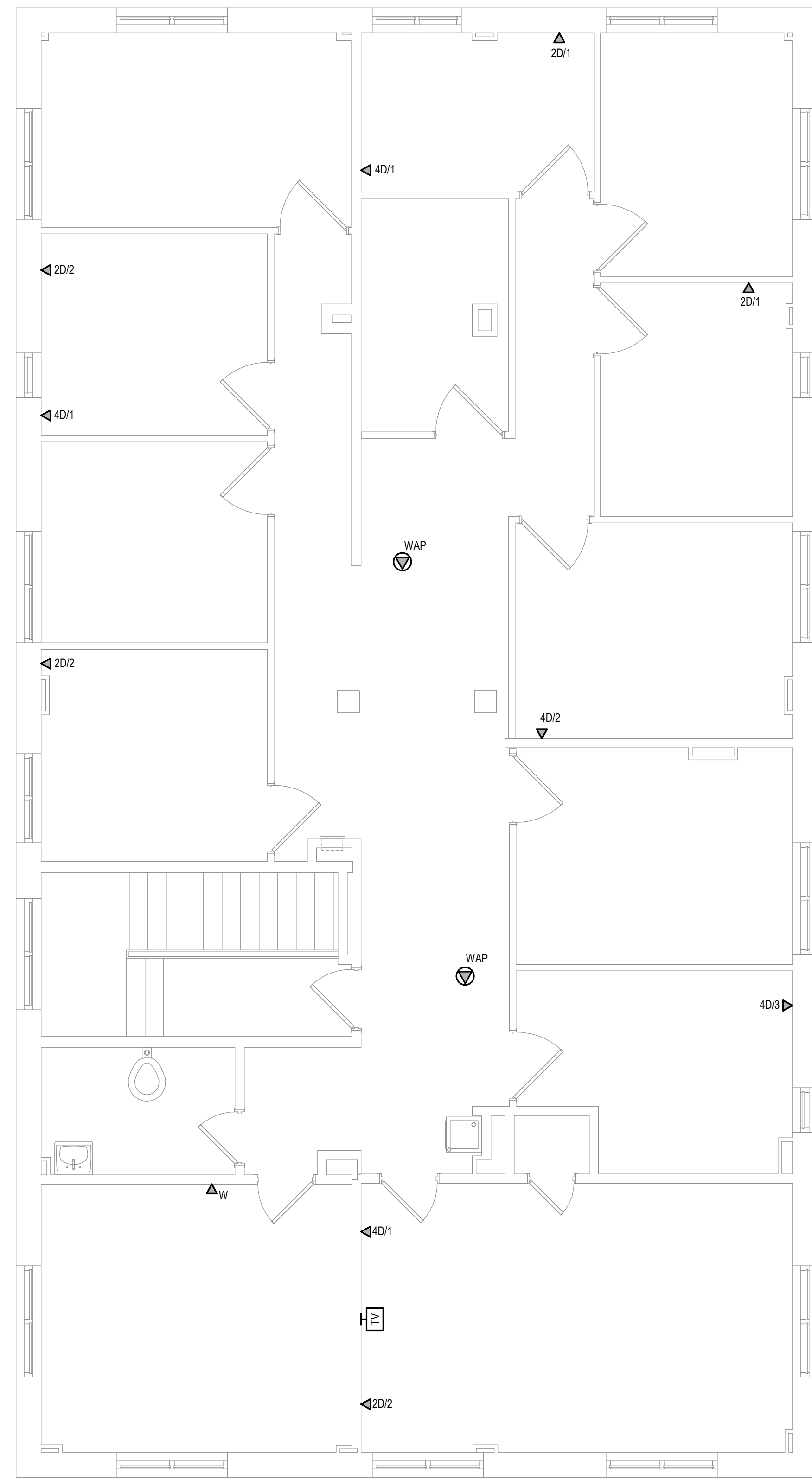
Project Number
438-20-910

Building Number
16

Drawing Number
EE411-16

CABLING NOTES:

- 1. ROOM 103B
- EXISTING CABLE COUNT
DATA (CAT6): 0
DATA (CAT5): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0
- CABLE RELOCATION COUNT
DATA (CAT6) - 8 TO ROOM 1031A IN BUILDING 16
DATA (CAT5) - 8 TO ROOM 1031A IN BUILDING 16
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0
- EXISTING CABLE TO REMAIN
DATA (CAT6): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0
- FINAL CABLE COUNT
DATA (CAT6): 0
VIDEO: 0
PATIENT MONITORING: 0
COMMERCIAL WIRELESS: 0



2 SECOND LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 17
1/4" = 1'-0"
1:48

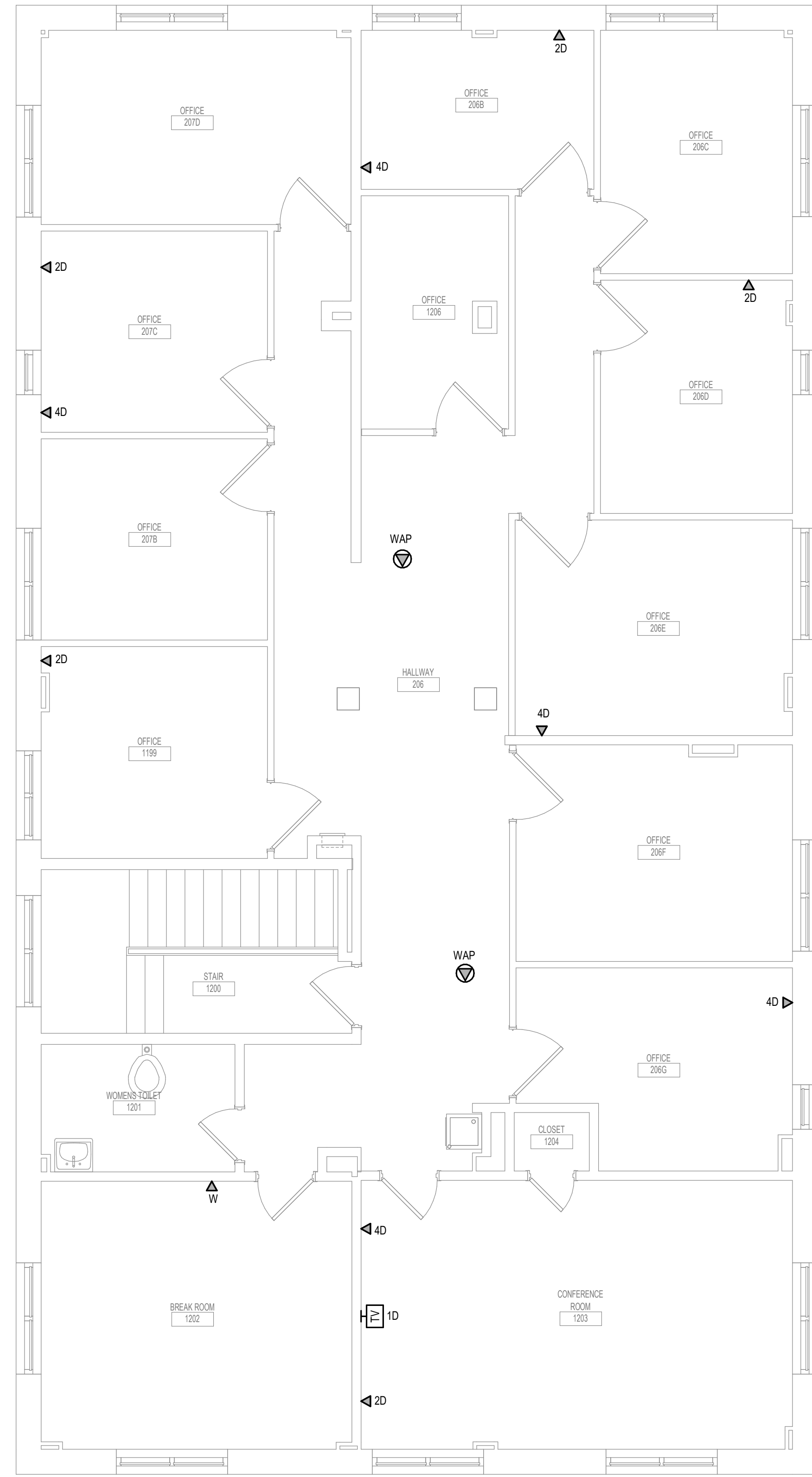
1 FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 17
1/4" = 1'-0"
1:48

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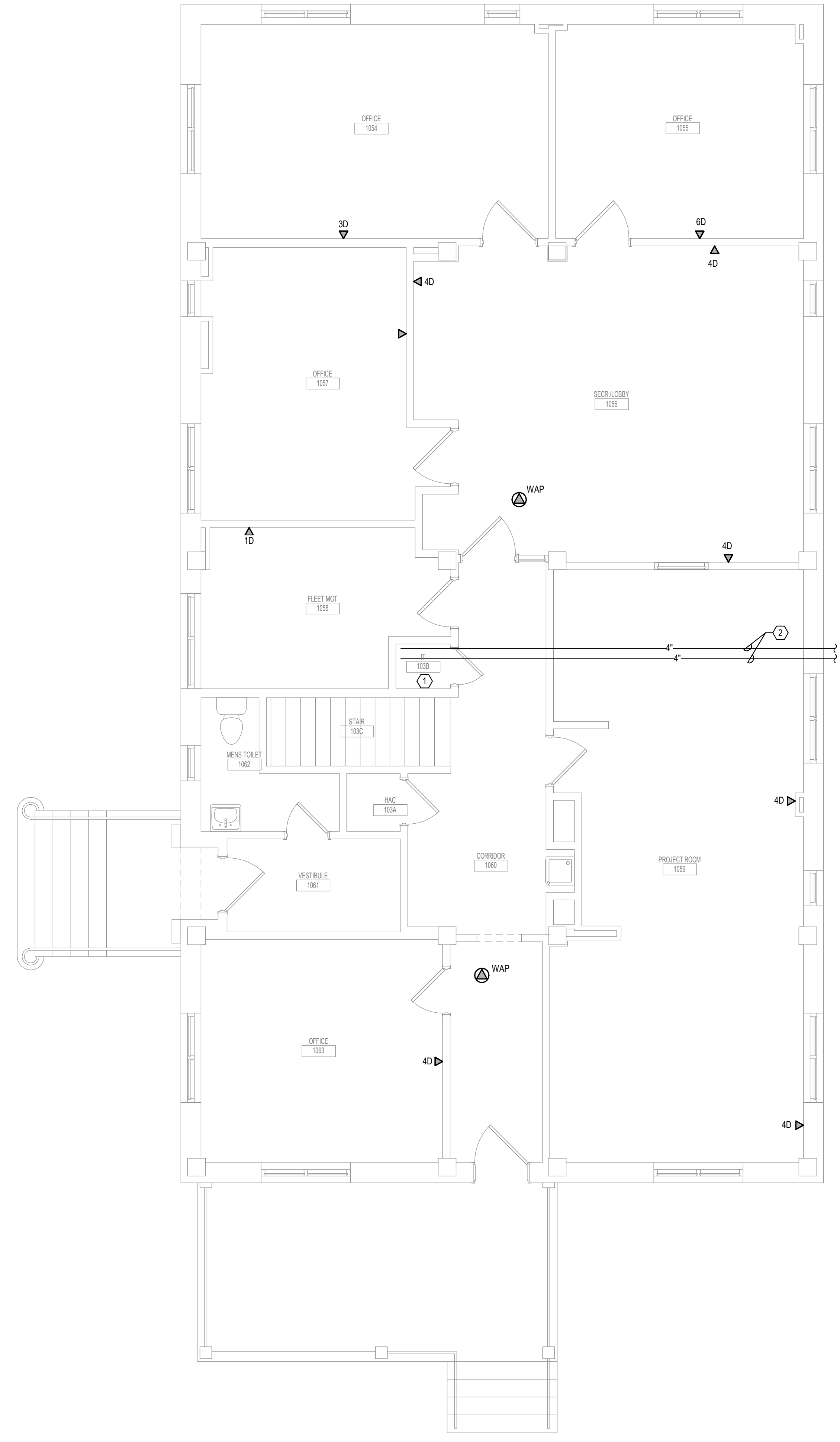
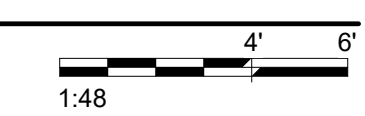
Revisions:	Date:

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- SHEET NOTES:**
- BUILDING 17 TO BE RECABLED FROM BUILDING 16. PROVIDE NEW CABLES FOR ALL OUTLETS. UTILIZE CONDUIT FOR NEW CABLE ROUTING.
 - PROVIDE NEW (2) 4" CONDUIT DUCTBANK FROM BUILDING 16 TO BUILDING 17. FIELD COORDINATE THE EXACT LOCATION OF THE CONDUIT ENTRANCE INTO THE BUILDING 17 CRAWLSPACE. ROUTE CONDUIT WITHIN THE CRAWLSPACE TO THE EXISTING TELECOMMUNICATIONS ROOM.



2 SECOND LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 17
1/4" = 1'-0"



1 FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 17
1/4" = 1'-0"

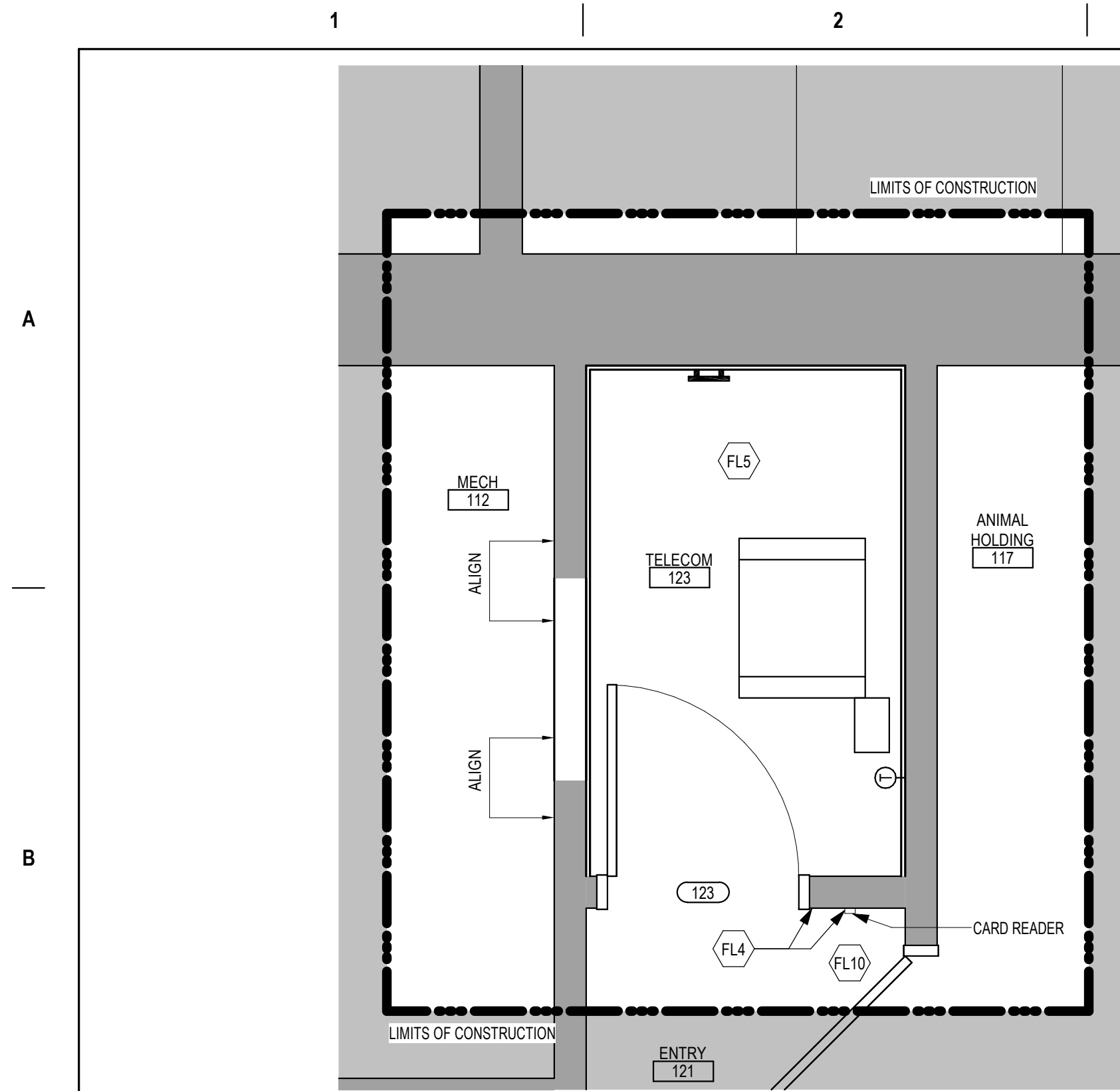


INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.
INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER.

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				Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 17
						Issue Date 07/06/2021	Drawing Number TN111-17
						Checked KSB	Drawn NMT



2 ENLARGED PLAN - TELECOM 1081 - BUILDING 28
1/2" = 1'-0"

FLOOR PLAN SYMBOLS		
	8'-0"	DIMENSION LINE, NOMINAL
	8'-0"	EXTENDED DIMENSION LINE, NOMINAL
	1A AE211	INTERIOR ELEVATION INDICATOR TAG
	1A AE201	EXTERIOR ELEVATION INDICATOR TAG
	203	EQUIPMENT TAG
	100	FLOOR SPOT ELEVATION
	1A AE01	DETAIL REFERENCE TAG
	FP10	KEY NOTE
	1A AE201	INTERIOR SECTION REFERENCE TAG
	1A AE201	EXTERIOR SECTION REFERENCE TAG
	PR01	REVISION TAG
		REVISION CLOUD
	99.3	SIGN TAG

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

- GENERAL NOTES**
- THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS TO ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.
 - CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
 - DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
 - WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
 - GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS, VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
 - FIREPROOFING SHALL BE UNIMPAIRED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING, AT THE SUBCONTRACTORS EXPENSE.
 - EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY. VERIFY SIZE WITH MANUFACTURER.
 - ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
 - ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
 - VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
 - PROVIDE LINTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR, VERIFY SIZE AND LOCATION.
 - STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
 - AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FRT PLY WOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
 - CONTRACTOR SHALL EVALUATE INTEGRITY OF ALL PARTITIONS INDICATED BY SYMBOLS ON THE LIFE SAFETY PLANS) WITHIN THE PROJECT SCOPE AND UPGRADE AS REQUIRED. ALL FIRE RESISTIVE RATED WALLS SHALL BE CONSTRUCTED OF MATERIALS / ASSEMBLIES MEETING THE RATING INDICATED, TERMINATE AT THE DECK ABOVE WITH A TESTED HEAD OF WALL ASSEMBLY AND ALL PENETRATIONS SHALL BE SEALED WITH A TESTED ASSEMBLY. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED OF MATERIALS THAT RESIST THE PASSAGE OF SMOKE. TERMINATE AT THE DECK ABOVE WITH A JOINT SEALED WITH FIRE CAULK AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE CAULK.



G FIRST LEVEL FLOOR PLAN - BUILDING 28
1/8" = 1'-0"

- FLOOR PLAN KEYED NOTES**
- FL1 PATCH PARTITION, BOTH SIDES, AS REQUIRED FROM MECHANICAL / ELECTRICAL WORK. SEE MECHANICAL / ELECTRICAL FOR ADDITIONAL INFORMATION.
 - FL2 PROVIDE PARTITION TYPE FP3 INFILL AT REMOVED RADIA TOR GRILLES. PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
 - FL3 INFILL FLOOR TO MATCH EXISTING HEIGHT. SEE STRUCTURAL.
 - FL4 PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. AS REQUIRED FROM DEMOLITION. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
 - FL5 PROVIDE PLYWOOD 3 SIDES OF ROOM. SEE TYPICAL ELEVATIONS SHEET AE211.
 - FL6 INFILL OPENING IN CONCRETE FLOOR. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. PREP FLOOR FOR FINISHES AS SCHEDULED.
 - FL7 PATCH FLOOR AT REMOVED ELECTRICAL. PREP FLOOR FOR FINISHES AS SCHEDULED.
 - FL8 REINSTALL SALVAGED DOOR, FRAME AND ALL ASSOCIATED HARDWARE.
 - FL9 REINSTALL SALVAGED LOCKER(S), PROVIDE PREMANUFACTURED BASE, FINISHED END PANEL(S) AND SLOPED TOP(S) TO MATCH EXISTING.
 - FL10 REINSTALL SALVAGED SIGNS
 - FL11 REINSTALL SALVAGED CEILING REMOVED FOR INSTALLATION OF MEP ITEMS. SEE MEP PLANS FOR ADDITIONAL INFORMATION.
 - FL12 MODIFY BASE AND SLOPED TOP AT EXISTING LOCKERS. PROVIDE PREMANUFACTURED FINISHED END PANEL(S) TO MATCH EXISTING.
 - FL13 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 3 / AF600
 - FL14 PATCH FLOORING TO MATCH EXISTING FLOORING AS REQUIRED. CONTRACTOR TO PROVIDE LABOR AND MATERIALS.
 - FL15 PATCH CONCRETE FLOOR AT REMOVED PARTITION AND/OR CONCRETE COVE BASE. PREP FOR FINISHES AS SCHEDULED.
 - FL16 EDGE ILLUMINATED PHOTO MURALS, RECESSED IN PARTITION, FOR ADDITIONAL INFORMATION SEE ELEVATION 8 / AE211
 - FL17 FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 2 / AF600
 - FL18 PAINT WALLS P-1
 - FL19 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 4 / AF600
 - FL20 FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 5 / AF600
 - FL21 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 6 / AF600
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN



1 FIRST LEVEL DEMOLITION PLAN - BUILDING 28
1/8" = 1'-0"

NOTE: COORDINATE GENERAL DEMOLITION WORK WITH ABATEMENT AND REMEDIATION WORK.

DEMOLITION PLAN SYMBOLS

	EXISTING WALL TO REMAIN		EXISTING DOOR AND FRAME TO REMAIN
	WALL OR PARTITION TO BE REMOVED		EXISTING DOOR AND FRAME TO BE DEMOLISHED
	DASHED LINE INDICATES ITEM TO BE REMOVED (LINO)		KEY NOTE
	GRIDLINE		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

- DEMOLITION GENERAL NOTES**
- GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK, PHASING AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DRAWINGS IS FOR ARCHITECT - OWNER PLANNING PURPOSES ONLY, UNLESS NOTED OTHERWISE.
 - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
 - WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ALL ITEMS CONTAINED WITHIN, INCLUDING DOORS, FRAMES, HARDWARE, SIDE LIGHTS, WINDOWS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
 - WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH TO FLOOR SLAB AS REQUIRED AND PREPARE SLAB SURFACE FOR SCHEDULED FINISHES WITHIN AREA TO BE REMODELED, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE FOR EXISTING FLOOR FINISHES TO REMAIN UNDISTURBED.
 - WHERE CEILING IS INDICATED TO BE DEMOLISHED, REMOVE CEILING SUSPENSION SYSTEM ALONG WITH ALL ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS, UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING AND DUCTWORK DEMOLITION WITHIN AREA TO BE REMODELED.
 - WHERE INDICATED, REMOVE ALL WALL/PARTITION EXISTING FINISHES AND PREPARE THE SURFACES FOR SCHEDULED FINISHES. SEE FINISH SCHEDULE FOR FINISHES.
 - ALL DISTURBED AREAS, WALLS, PARTITIONS, FLOORS, ETC., DAMAGED BY DEMOLITION WORK SHALL BE PATCHED TO MATCH ADJACENT AREA.
 - OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL SALVAGED ITEMS SUCH AS: DOORS, LIGHT FIXTURES, PLUMBING FIXTURES, ETC.
 - SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED AND/OR REFINISHED TO LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
 - DO NOT REMOVE ANY EXISTING STRUCTURAL SUPPORT MEMBERS SUCH AS COLUMNS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS, ETC. UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. ALL EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED, COORDINATE WITH STRUCTURAL ENGINEER.
 - SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
 - WALL AND CEILING MOUNTED ITEMS SHOWN DASHED, SUCH AS WALL CABINETS, SHELVING, CUBICLE CURTAIN TRACKS, PROJECTION SCREENS ETC. SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
 - WITHIN ALL EXISTING ROOMS/SPACES RECEIVING SCHEDULED FLOOR, OR WALL, OR CEILING FINISHES, REMOVE ALL EXISTING FLOOR, OR WALL, OR CEILING FINISHES DOWN TO THE SUBSTRATE. INCLUDE THE REMOVAL OF ALL ITEMS LOCATED WITHIN THE EXISTING FINISH REMOVAL AND PREP SUBSTRATE TO RECEIVE SCHEDULED FINISHES. FOR ADDITIONAL INFORMATION, SEE KEYNOTED ITEMS, FINISH PLANS AND/OR SCHEDULES, STRUCTURAL, MECHANICAL AND ELECTRICAL.
 - THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.

- DEMOLITION PLAN KEYED NOTES**
- DE1 REMOVE FLOOR FINISH IN ITS ENTIRETY. PATCH & PREP FLOOR FOR SCHEDULED FINISH. SEE SPECIFICATION SECTION 09 05 16 SUBSURFACE PREPARATION FOR FLOOR FINISHES.
 - DE2 REMOVE CEILING IN ITS ENTIRETY, INCLUDING ALL MECHANICAL & ELECTRICAL ITEMS. SEE MECHANICAL / ELECTRICAL.
 - DE3 REMOVE GYP BD ON ONE SIDE OF PARTITION AS REQUIRED. SEE PLANS AND MECHANICAL / ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - DE4 CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF DOOR AND FRAME AS SCHEDULED. SEE PLAN.
 - DE5 REMOVE PORTION OF CEILING AS REQUIRED. SEE PLANS FOR ADDITIONAL INFORMATION.
 - DE6 REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED PIPING. -SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
 - DE7 REMOVE BASE CABINETS, UPPER CABINETS, TALL CABINETS AND/OR COUNTERTOP.
 - DE8 REMOVE CEILING IN THIS AREA AS REQUIRED FOR MEP WORK. SALVAGE CEILING WHERE APPROPRIATE FOR REINSTALLATION. SEE PLANS FOR ADDITIONAL WORK.
 - DE9 REMOVE CONDUITS THROUGH FLOOR. SEE PLAN FOR ADDITIONAL INFORMATION.
 - DE10 REMOVE PARTITION MOUNTED MIRROR AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION.
 - DE11 REMOVE SURFACE MOUNTED PLYWOOD. TEMPORARILY SUPPORT ANY EQUIPMENT. SEE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
 - DE12 REMOVE COVED CONCRETE BASE AT PARTITION.
 - DE13 REMOVE PREMANUFACTURED PLASTIC LOCKER(S), SALVAGE FOR REINSTALLATION.
 - DE14 REMOVE RAISED FLOOR SYSTEM IN ITS ENTIRETY AND METAL RAMP.
 - DE15 REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION.
 - DE16 REMOVE PORTION OF MEMBRANE ROOFING SYSTEM, IN PREPARATION FOR RESLOPING AND ROOFING. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION.
 - DE17 REMOVE ROOF DRAIN AND ASSOCIATED PIPING. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
 - DE18 not used
 - DE19 CUT OPENING IN BRICK AND METAL STUD BACK UP WALL FOR DOOR AND FRAME AS SCHEDULED. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION.
 - DE20 REMOVE PARTIAL HEIGHT CERAMIC TILE AT SINK
 - DE21 REMOVE METAL RADIATOR COVER
 - DE22 REMOVE SURFACE APPLIED WALL COVERING, TRIM, VINYL BASE AND / OR CRASH / HAND RAIL AS NEEDED.
 - DE23 REMOVE DOOR, FRAME AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION. SEE PLAN.
 - DE24 REMOVE ALUMINUM WINDOW SYSTEM AND ALL ASSOCIATED HARDWARE. REMOVE CAST STONE SILL, EXTERIOR, AND SOLID SURFACE SILL, INTERIOR.
 - DE25 CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF EDGE ILLUMINATED PHOTO MURALS
 - DE26 SAW CUT FACE BRICK AND REMOVE PORTION OF WALL. SEE PLAN FOR ADDITIONAL INFORMATION.
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

Revisions:	Date:

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title

FIRST LEVEL DEMOLITION, FLOOR & ENLARGED PLANS - BUILDING 28

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location

Sioux Falls, SD

Issue Date

07/06/2021

Checked

Drawn

Author

Project Number

438-20-910

Building Number

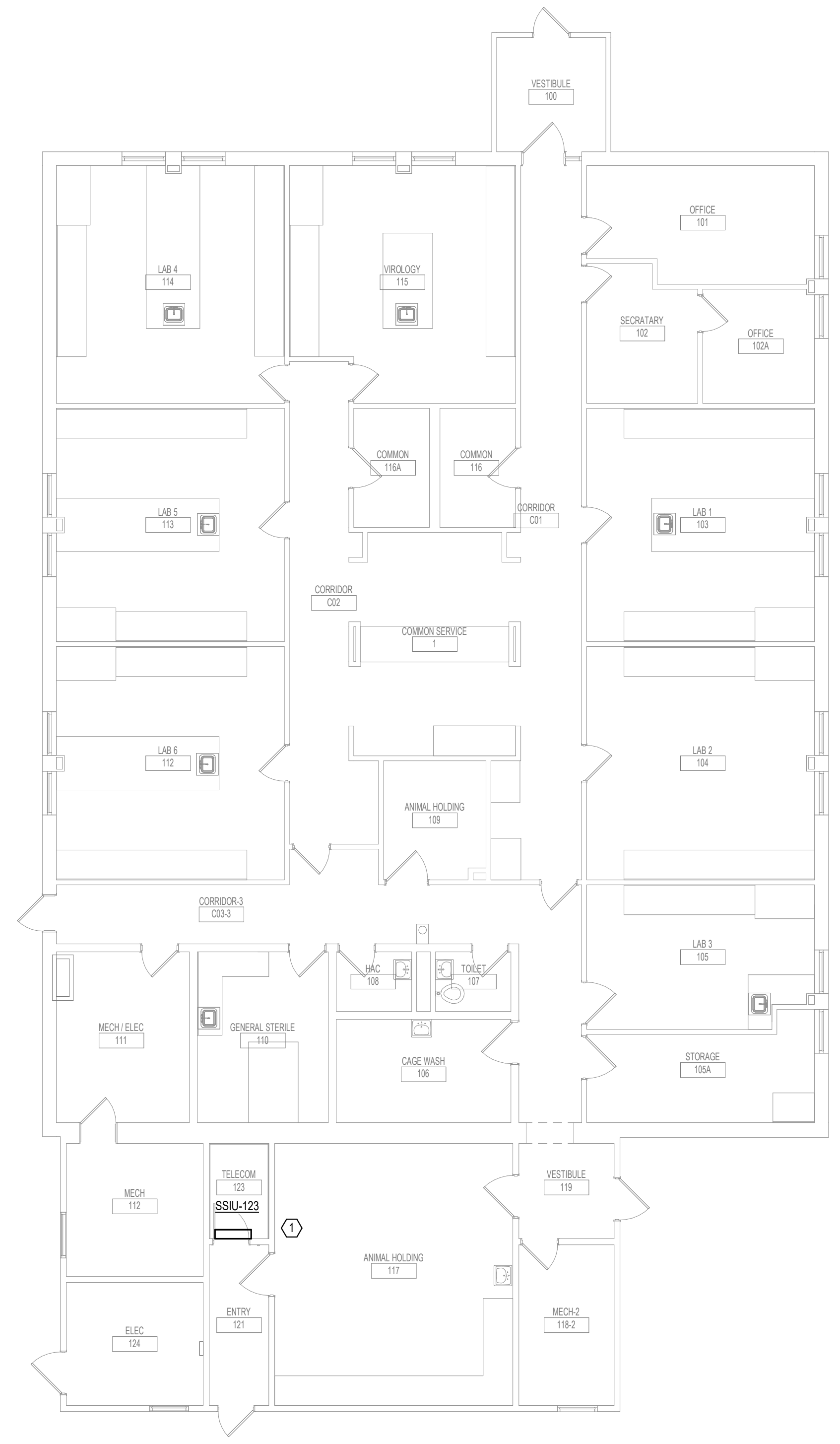
28

Drawing Number

AE111-28

GENERAL NOTES:
 1. COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
 2. ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
 3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
 4. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

GENERAL NOTES:
 1. OUTDOOR UNIT MOUNTED ON ROOF ABOVE.



1 FIRST LEVEL DUCTWORK FLOOR PLAN - BUILDING 28
 1/8" = 1'-0"



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Revisions:	Date:

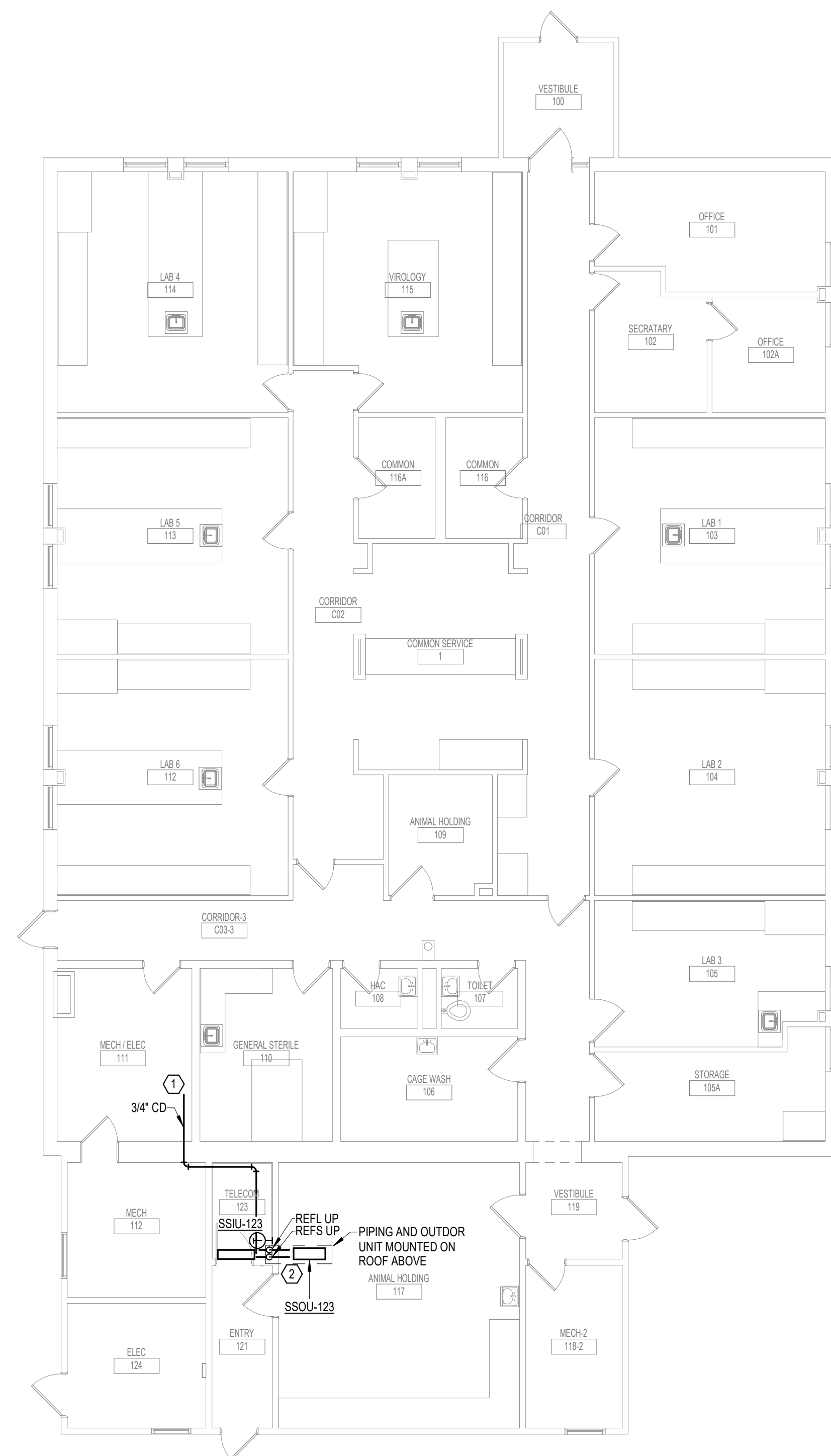
CONSULTANT   SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com	ARCHITECT/ENGINEER OF RECORD  13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP 	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title FIRST LEVEL DUCTWORK PLAN - BUILDING 28	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910
				Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number 28
				Issue Date 07/06/2021	Checked EGS	Drawn PHV	Drawing Number MH111-28

GENERAL NOTES:

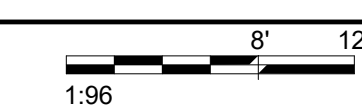
1. COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
4. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

SHEET NOTES:

1. ROUTE CONDENSATE TO FLOOR DRAIN IN MECH/ELEC 111.
2. ROUTE REFRIGERANT PIPING UP TO CONDENSING UNIT SSOU-123 LOCATED ON ROOF.



1 FIRST LEVEL PIPING FLOOR PLAN - BUILDING 28
1/8" = 1'-0"



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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL PIPING FLOOR PLAN - BUILDING 28

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
Sioux Falls, SD

Issue Date
07/06/2021

Checked	Drawn
EGS	PHV

Project Number	438-20-910
Building Number	28
Drawing Number	MP111-28

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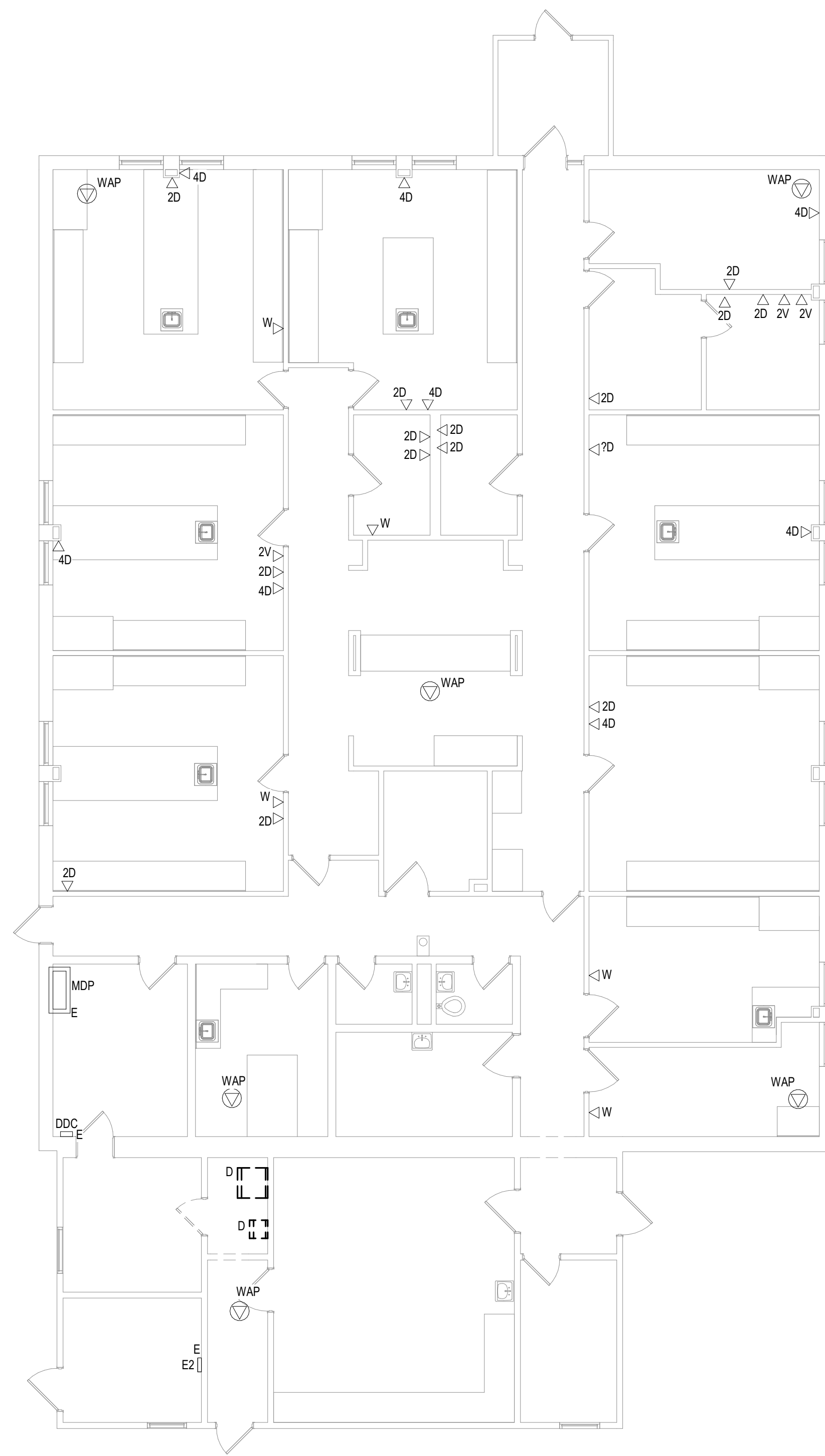
B

C

D

E

F



CABLING NOTES:

- 1. ROOM 123
- EXISTING CABLE COUNT
- DATA (CAT5): 44
- DATA (CAT5): 48
- VIDEO: 2
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0
- CABLE RELOCATION COUNT
- DATA (CAT5): 0
- DATA (CAT5): 0
- VIDEO: 0
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0
- EXISTING CABLE TO REMAIN
- DATA (CAT5): 44
- VIDEO: 2
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0
- FINAL CABLE COUNT
- DATA (CAT5): 44
- DATA (CAT5A): 48
- VIDEO: 2
- PATIENT MONITORING: 0
- COMMERCIAL WIRELESS: 0

1 FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 28
 1/8" = 1'-0"
 1 96 8' 12'

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Revisions:	Date:


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Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title

FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 28

Approved:

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location

Sioux Falls, SD

Issue Date

07/06/2021

Checked

KSB

Drawn

NMT

Project Number

438-20-910

Building Number

28

Drawing Number

ED111-28

CABLING NOTES:

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

ROOM 123
 EXISTING CABLE COUNT
 DATA (CAT6): 44
 DATA (CAT5): 48
 VIDEO: 2
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

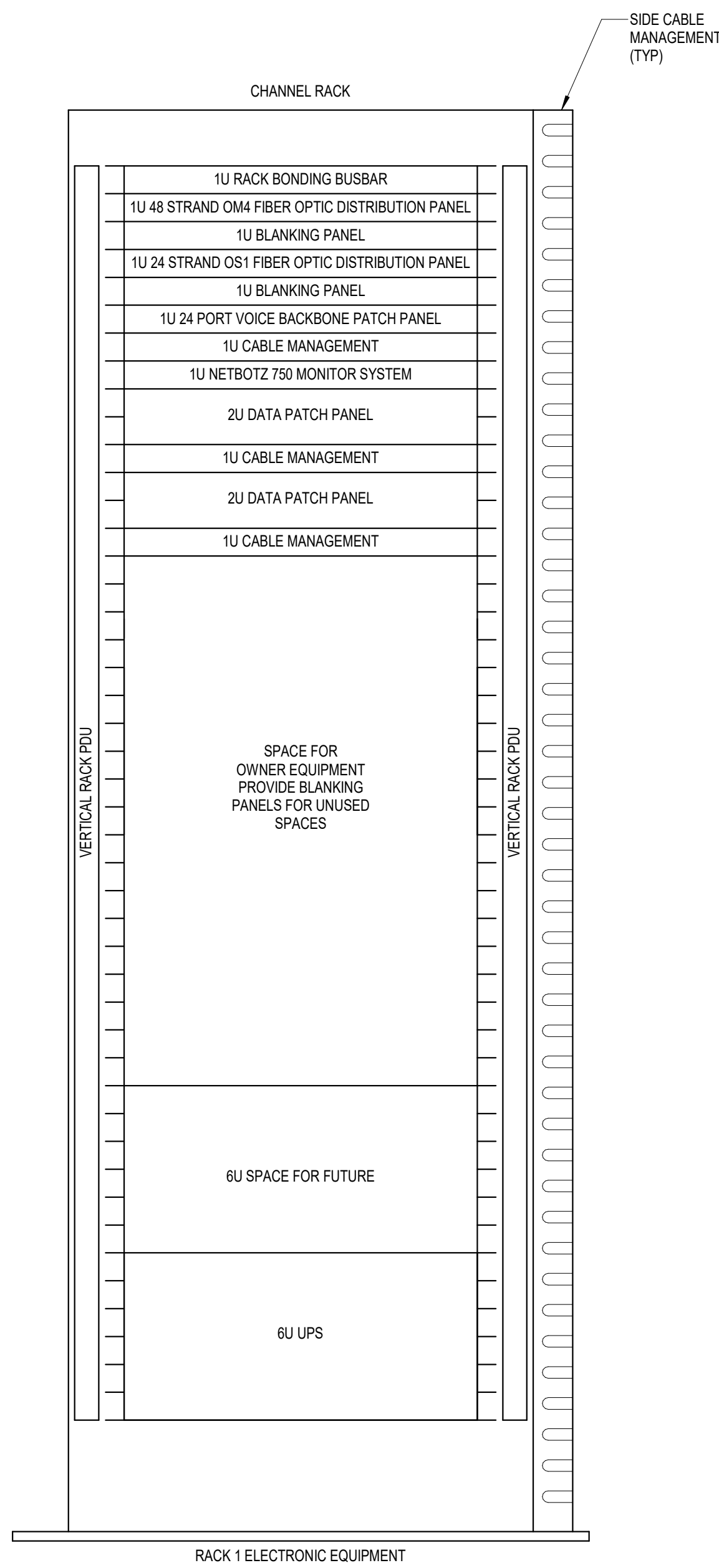
 CABLE RELOCATION COUNT
 DATA (CAT6): 0
 DATA (CAT5): 0
 VIDEO: 0
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

 EXISTING CABLE TO REMAIN
 DATA (CAT6): 44
 DATA (CAT5): 48
 VIDEO: 2
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

 FINAL CABLE COUNT
 DATA (CAT6): 44
 DATA (CAT5): 48
 VIDEO: 2
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

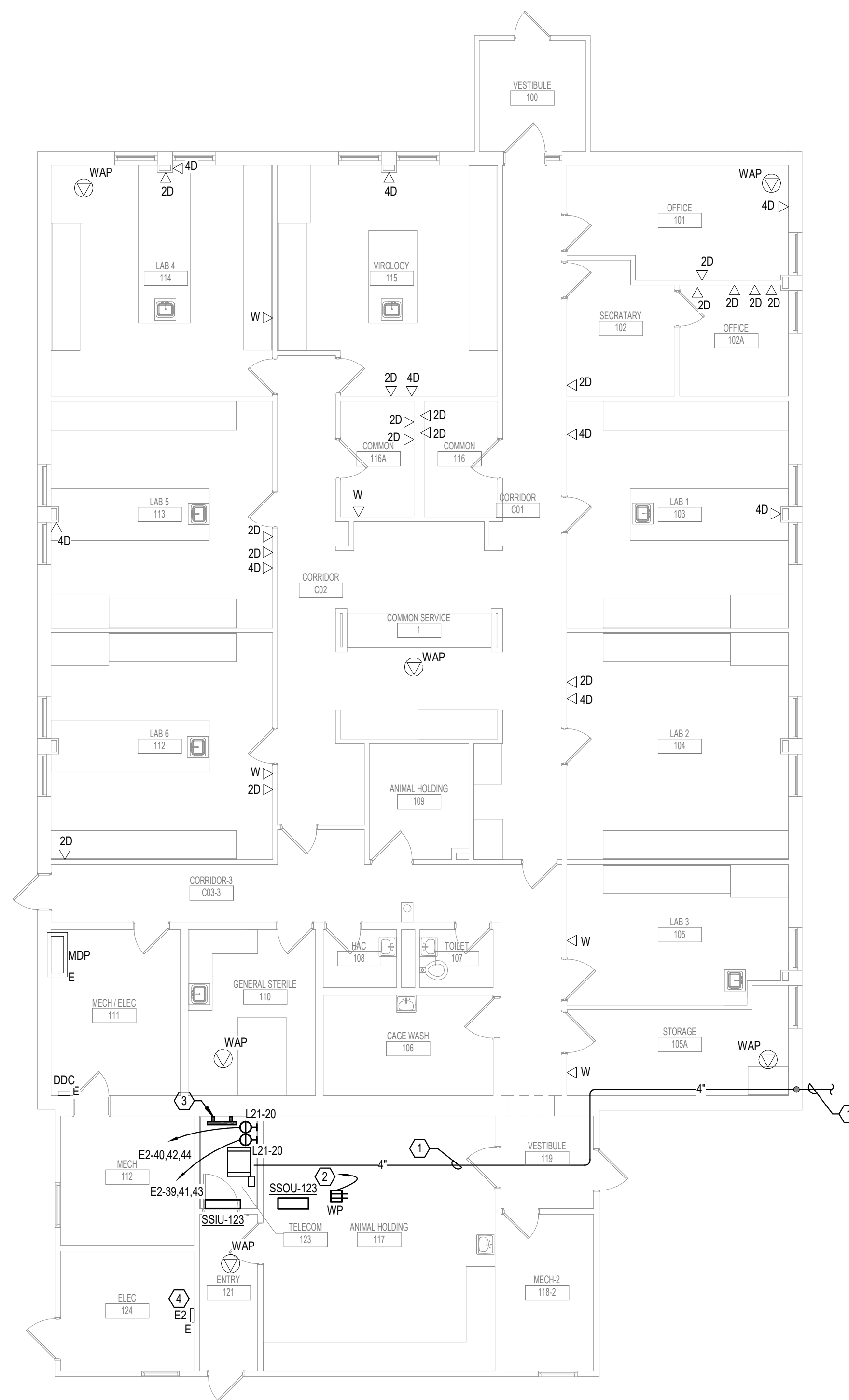
SHEET NOTES:

1. PROVIDE NEW 4" CONDUIT FROM TELECOMMUNICATIONS PULL BOX INTO BUILDING. CONDUIT MAY BE RUN UP THE EXTERIOR OF THE BUILDING A MAXIMUM OF 24" AND PENETRATE THE BUILDING EXTERIOR WALL THROUGH AN LB CONDUIT BODY. FIELD COORDINATE THE EXACT LOCATION OF THE CONDUIT ENTRANCE. ROUTE CONDUIT WITHIN THE BUILDING AS HIGH AS PRACTICABLE.
2. CONDENSING UNIT LOCATED ABOVE THIS ROOM ON ROOF LEVEL. PROVIDE (1) GFCI RATED DUPLEX RECEPTACLE IN WEATHER PROTECTING CASE WITHIN 25 FEET OF MECHANICAL EQUIPMENT. POWER DEVICE TO NEAREST AVAILABLE BRANCH CIRCUIT FEEDING RECEPTACLES IN THIS AREA OR AREA BELOW.
3. PROVIDE #30 COPPER BONDING CONDUCTOR FROM TELECOMMUNICATIONS GROUND BAR TO BUILDING 28 PANEL MDP.
4. PROVIDE (2) 200 CIRCUIT BREAKERS FOR RACK RECEPTACLES AND (1) 150 CIRCUIT BREAKER FOR SPLIT SYSTEM IN EXISTING PANEL E2. EXISTING PANEL E2 IS A SQUARE D NOOB PANELBOARD, 10KALC.

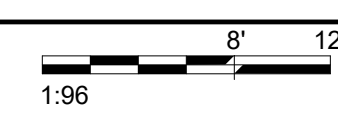


- NOTES:**
1. COORDINATE FINAL RACK LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
 2. PROVIDE COMPONENTS NOT LISTED "BY OWNER".
 3. SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
 4. COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
 5. REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
 6. CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
 7. COORDINATE INSTALLATIONS WITH OWNER'S ISIT REPRESENTATIVE.

2 RACK ELEVATION - ROOM 123 - BUILDING 28
 NO SCALE



1 FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 28
 1/8" = 1'-0"



INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.
 INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER.

Revisions:	Date:

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

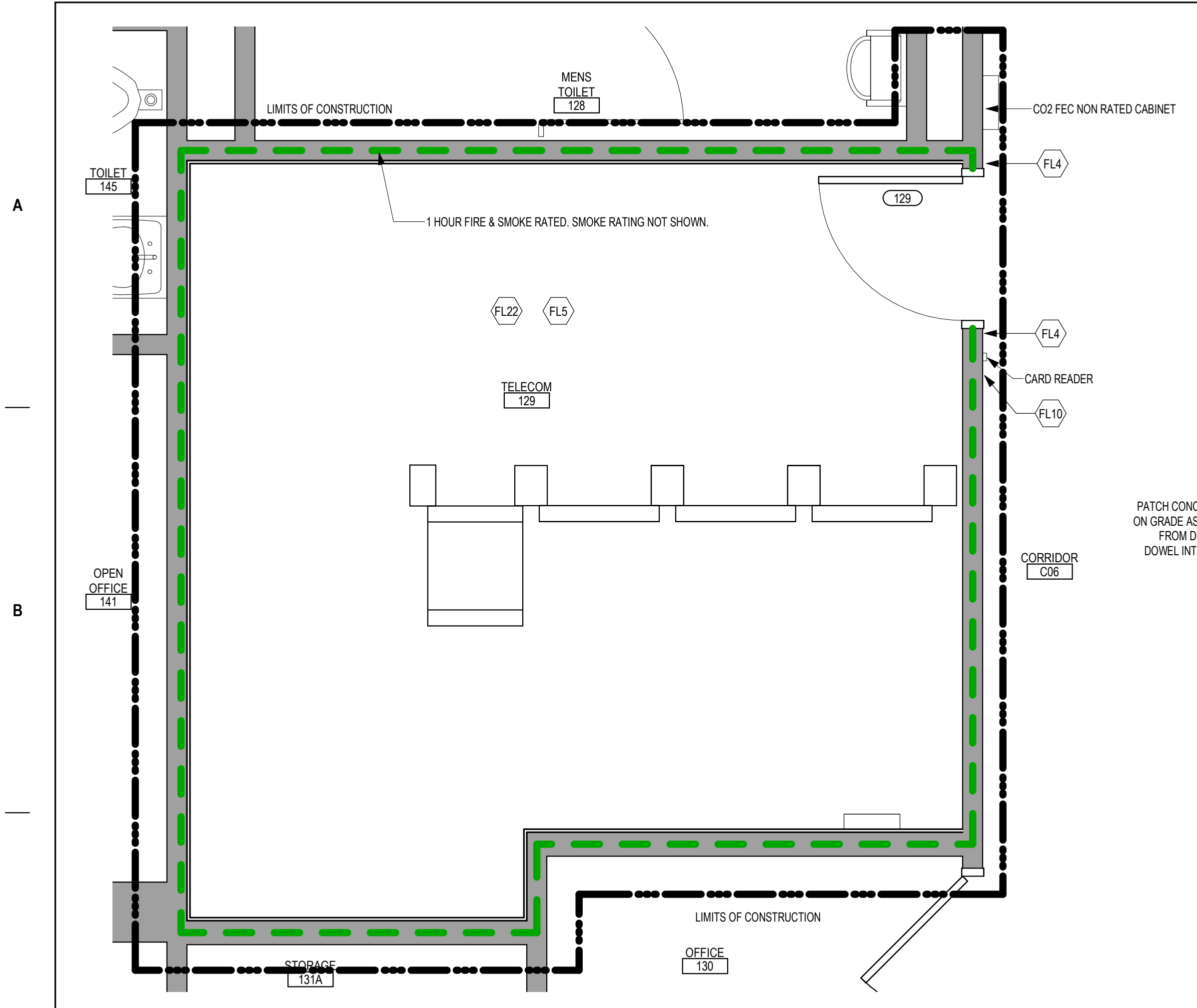
Office of Construction and Facilities Management

Drawing Title
FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 28
 Approved:

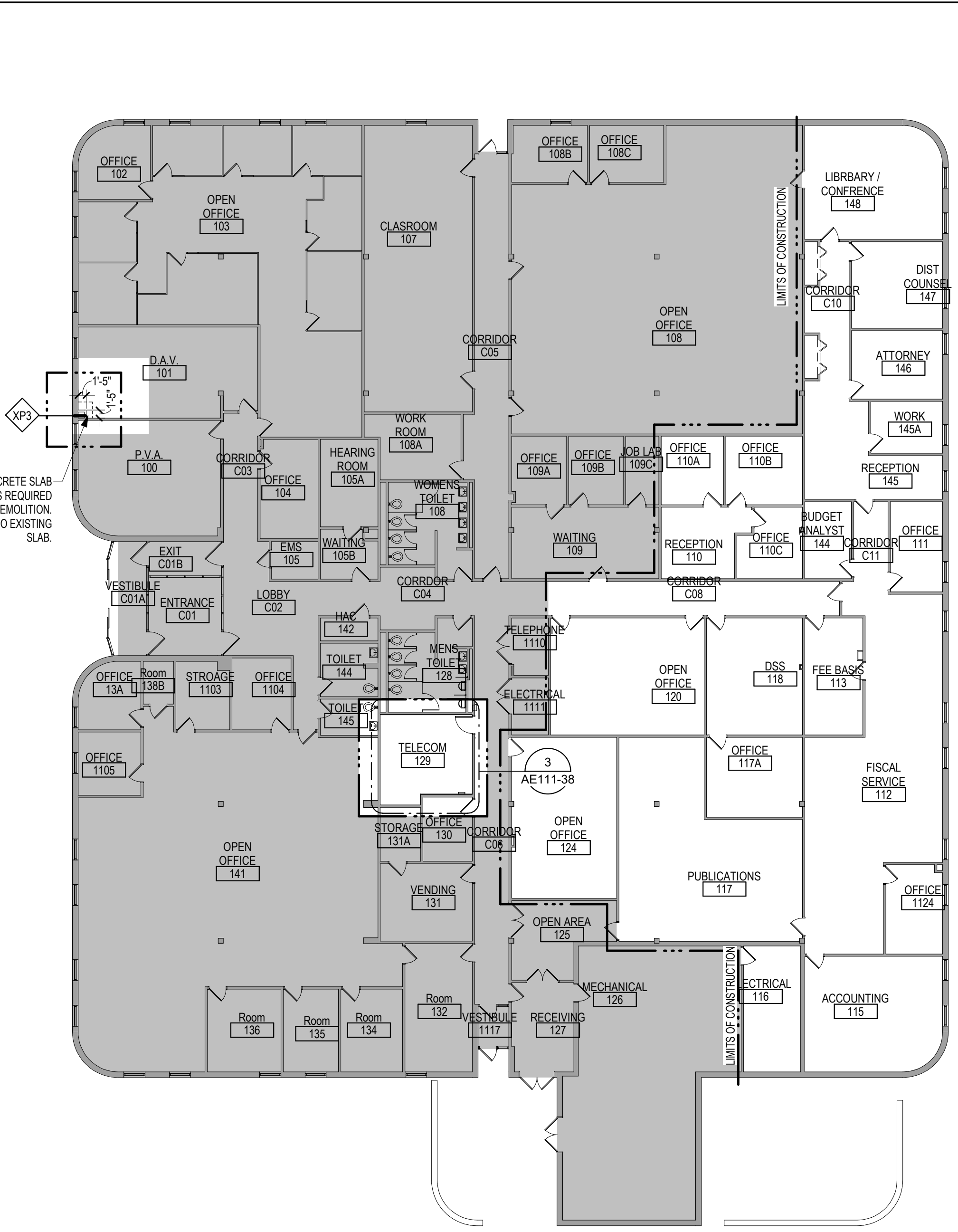
Phase
BID DOCUMENTS
FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES
 Location
 Sioux Falls, SD
 Issue Date
 07/06/2021
 Checked
 KSB
 Drawn
 NMT

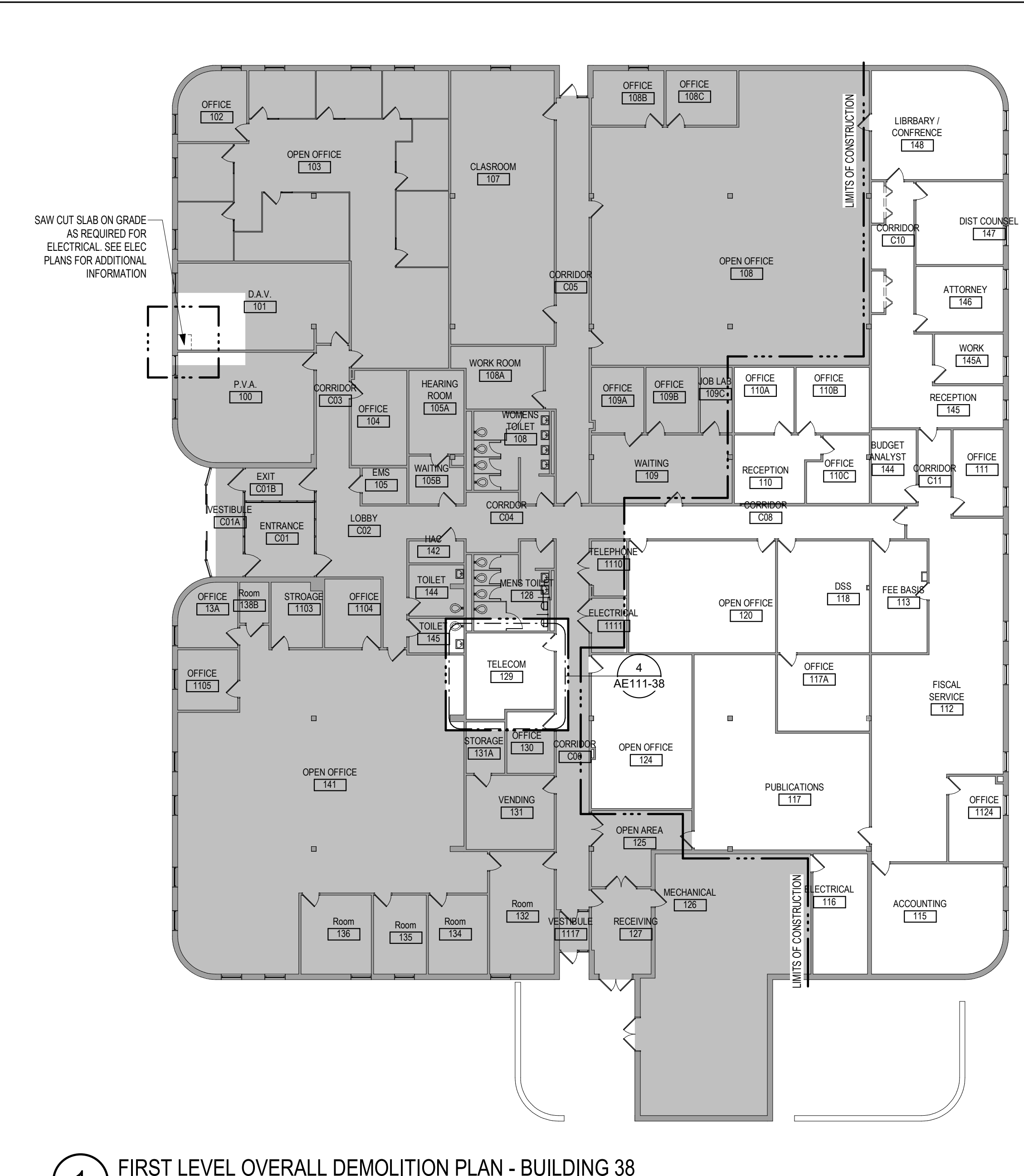
Project Number
 438-20-910
 Building Number
 28
 Drawing Number
TN111-28



3 ENLARGED PLAN - COMPUTER ROOM 129- BUILDING 38
1/2" = 1'-0"



2 FIRST LEVEL OVERALL FLOOR PLAN - BUILDING 38
1/16" = 1'-0"



1 FIRST LEVEL OVERALL DEMOLITION PLAN - BUILDING 38
1/16" = 1'-0"

DEMOLITION GENERAL NOTES

- GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK, PHASING AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DOCUMENTS IS FOR ARCHITECT - OWNER PLANNING PURPOSES ONLY, UNLESS NOTED OTHERWISE.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
- WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ALL ITEMS CONTAINED WITHIN, INCLUDING DOORS, FRAMES, HARDWARE, SIDELIGHTS, WINDOWS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
- WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH TO FLOOR SLAB AS REQUIRED AND PREPARE SLAB SURFACE FOR SCHEDULED FINISHES WITHIN AREA TO BE REMOVED, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE FOR EXISTING FLOOR FINISHES TO REMAIN UNDISTURBED.
- WHERE CEILING IS INDICATED TO BE DEMOLISHED, REMOVE CEILING SUSPENSION SYSTEM ALONG WITH ALL ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS, UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING AND DUCTWORK DEMOLITION WITHIN AREA TO BE DEMOLISHED.
- WHERE INDICATED, REMOVE ALL WALL/PARTITION EXISTING FINISHES AND PREPARE THE SURFACES FOR SCHEDULED FINISHES. SEE FINISH SCHEDULE FOR FINISHES.
- ALL DISTURBED AREAS, WALLS, PARTITIONS, FLOORS, ETC., DAMAGED BY DEMOLITION WORK SHALL BE PATCHED TO MATCH ADJACENT AREA.
- OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL SALVAGED ITEMS SUCH AS DOORS, LIGHT FIXTURES, PLUMBING FIXTURES ETC.
- SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED AND/OR REFINISHED TO LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
- DO NOT REMOVE ANY EXISTING STRUCTURAL SUPPORT MEMBERS SUCH AS COLUMNS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS ETC., UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. ALL EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED, COORDINATE WITH STRUCTURAL ENGINEER.
- SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
- WALL AND CEILING MOUNTED ITEMS SHOWN DASHED, SUCH AS WALL CABINETS, SHELVING, CUBICLE CURTAIN TRACKS, PROJECTION SCREENS ETC. SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
- WITHIN ALL EXISTING ROOMSPACES RECEIVING SCHEDULED FLOOR, OR WALL, OR CEILING FINISHES, REMOVE ALL EXISTING FLOOR, OR WALL, OR CEILING FINISHES DOWN TO THE SUBSTRATE. INCLUDE THE REMOVAL OF ALL ITEMS LOCATED WITHIN THE EXISTING FINISH REMOVAL AND PATCH AND PREP ALL SUBSTRATES TO RECEIVE SCHEDULED FINISHES. FOR ADDITIONAL INFORMATION, SEE KEYNOTED ITEMS, FINISH PLANS AND/OR SCHEDULES, STRUCTURAL, MECHANICAL AND ELECTRICAL.
- THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THE WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.

FLOOR PLAN KEYED NOTES

- FL1 PATCH PARTITION, BOTH SIDES, AS REQUIRED FROM MECHANICAL / ELECTRICAL WORK. SEE MECHANICAL / ELECTRICAL FOR ADDITIONAL INFORMATION.
- FL2 PROVIDE PARTITION TYPE XP3 INFILL AT REMOVED RADIATOR GRILLS. PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
- FL3 INFILL FLOOR TO MATCH EXISTING HEIGHT. SEE STRUCTURAL.
- FL4 PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. AS REQUIRED FROM DEMOLITION, WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
- FL5 PROVIDE PLYWOOD 3 SIDES OF ROOM. SEE TYPICAL ELEVATIONS SHEET AE211.
- FL6 INFILL OPENING IN CONCRETE FLOOR. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. PREP FLOOR FOR FINISHES AS SCHEDULED.
- FL7 PATCH FLOOR AT REMOVED ELECTRICAL. PREP FLOOR FOR FINISHES AS SCHEDULED.
- FL8 REINSTALL SALVAGED DOOR, FRAME AND ALL ASSOCIATED HARDWARE.
- FL9 REINSTALL SALVAGED LOCKER(S), PROVIDE PREMANUFACTURED BASE, FINISHED END PANEL(S) AND SLOPED TOP(S) TO MATCH EXISTING.
- FL10 REINSTALL SALVAGED SIGN(S)
- FL11 REINSTALL SALVAGED CEILING REMOVED FOR INSTALLATION OF MEP ITEMS. SEE MEP PLANS FOR ADDITIONAL INFORMATION.
- FL12 MODIFY BASE AND SLOPED TOP AT EXISTING LOCKERS. PROVIDE PREMANUFACTURED FINISHED END PANEL(S) TO MATCH EXISTING.
- FL13 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 3 / AF600.
- FL14 PATCH FLOORING TO MATCH EXISTING FLOORING AS REQUIRED. CONTRACTOR TO PROVIDE LABOR AND MATERIALS.
- FL15 PATCH CONCRETE FLOOR AT REMOVED PARTITION AND/OR CONCRETE COVE BASE. PREP FOR FINISHES AS SCHEDULED.
- FL16 EDGE ILLUMINATED PHOTO MURALS, RECESSED IN PARTITION. FOR ADDITIONAL INFORMATION SEE ELEVATION 8 / AE211.
- FL17 FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 2 / AF600.
- FL18 PAINT WALLS P-1.
- FL19 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 4 / AF600.
- FL20 FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 5 / AF600.
- FL21 PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 6 / AF600.
- FL22 UPGRADE PARTITIONS TO 1 HOUR FIRE AND SMOKE BARRIER ALL SIDES OF ROOM. PROVIDE TESTED HEAD OF PARTITION ASSEMBLY WITH MATERIALS THAT RESIST THE PASSAGE OF SMOKE. SEAL JOINT AT HEAD OF PARTITION AND ALL PENETRATIONS WITH FIRE CAULK.

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN.

GENERAL NOTES

- THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.
- CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
- GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
- FIREPROOFING SHALL BE UNPIERCED, ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING. AT THE SUBCONTRACTOR'S EXPENSE.
- EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY, VERIFY SIZE WITH MANUFACTURER.
- ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
- ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
- VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
- PROVIDE UNTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR. VERIFY SIZE AND LOCATION.
- STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
- AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FRP PLYWOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL EVALUATE INTEGRITY OF ALL PARTITIONS INDICATED BY SYMBOLS ON THE LIFE SAFETY PLANS WITHIN THE PROJECT SCOPE AND UPGRADE AS REQUIRED. ALL FIRE RESISTIVE RATED WALLS SHALL BE CONSTRUCTED OF MATERIALS / ASSEMBLIES MEETING THE RATING INDICATED. TERMINATE AT THE DECK ABOVE WITH A TESTED HEAD OF WALL ASSEMBLY AND ALL PENETRATIONS SHALL BE SEALED WITH A TESTED ASSEMBLY. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED OF MATERIALS THAT RESIST THE PASSAGE OF SMOKE. TERMINATE AT THE DECK ABOVE WITH A JOINT SEALED WITH FIRE CAULK AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE CAULK.

FLOOR PLAN SYMBOLS

EXISTING WALL TO REMAIN	8'-0"	DIMENSION LINE, NOMINAL
WALL	8'-0"	EXTENDED DIMENSION LINE, NOMINAL
EXISTING DOOR AND FRAME TO REMAIN	1A AE211	INTERIOR ELEVATION INDICATOR TAG
DOOR	1A AE201	EXTERIOR ELEVATION INDICATOR TAG
INTERIOR BORROWED LIGHT	AE3	EQUIPMENT TAG
WALL TAG	100	FLOOR SPOT ELEVATION
OFFICE 101	1A AE011	DETAIL REFERENCE TAG
KEY NOTE		
INTERIOR SECTION REFERENCE TAG	1A AE201	EXTERIOR SECTION REFERENCE TAG
REVISION TAG	PR01	REVISION CLOUD
GRIDLINE	99.3	SIGN TAG

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.

LIFE SAFETY SYMBOLS

SMOKE TIGHT ASSEMBLY	1 HOUR FIRE & SMOKE BARRIER	2 HOUR FIRE & SMOKE BARRIER	3 HOUR FIRE & SMOKE BARRIER	FEC	FIRE EXTINGUISHER CABINET
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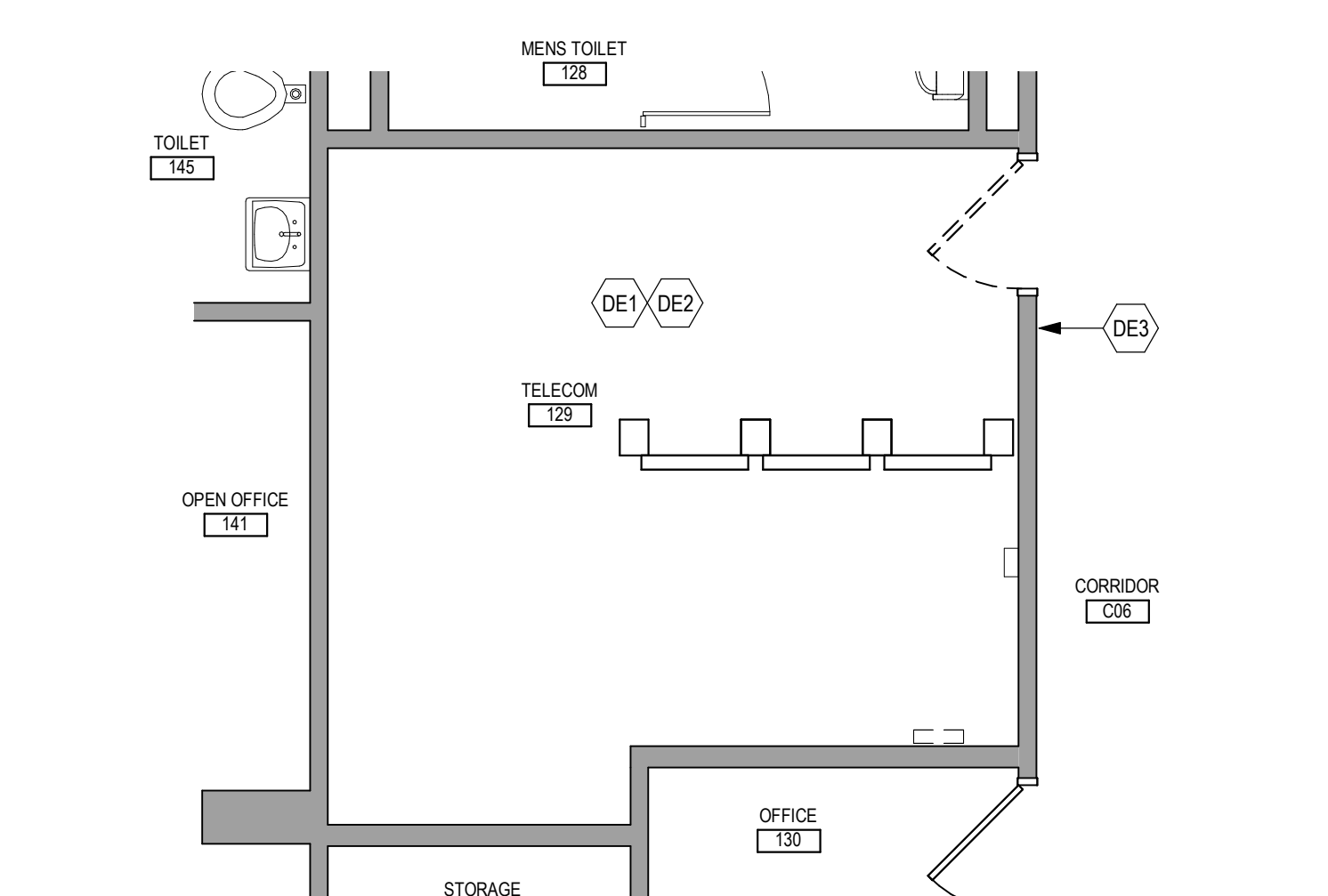
NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.

NOTE: COORDINATE GENERAL DEMOLITION WORK WITH ABATEMENT AND REMEDIATION WORK.

DEMOLITION PLAN SYMBOLS

EXISTING WALL TO REMAIN	EXISTING DOOR AND FRAME TO REMAIN
WALL OR PARTITION TO BE REMOVED	EXISTING DOOR AND FRAME TO BE DEMOLISHED
DASHED LINE INDICATES ITEM TO BE REMOVED (UNQ)	KEY NOTE
GRIDLINE	

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.



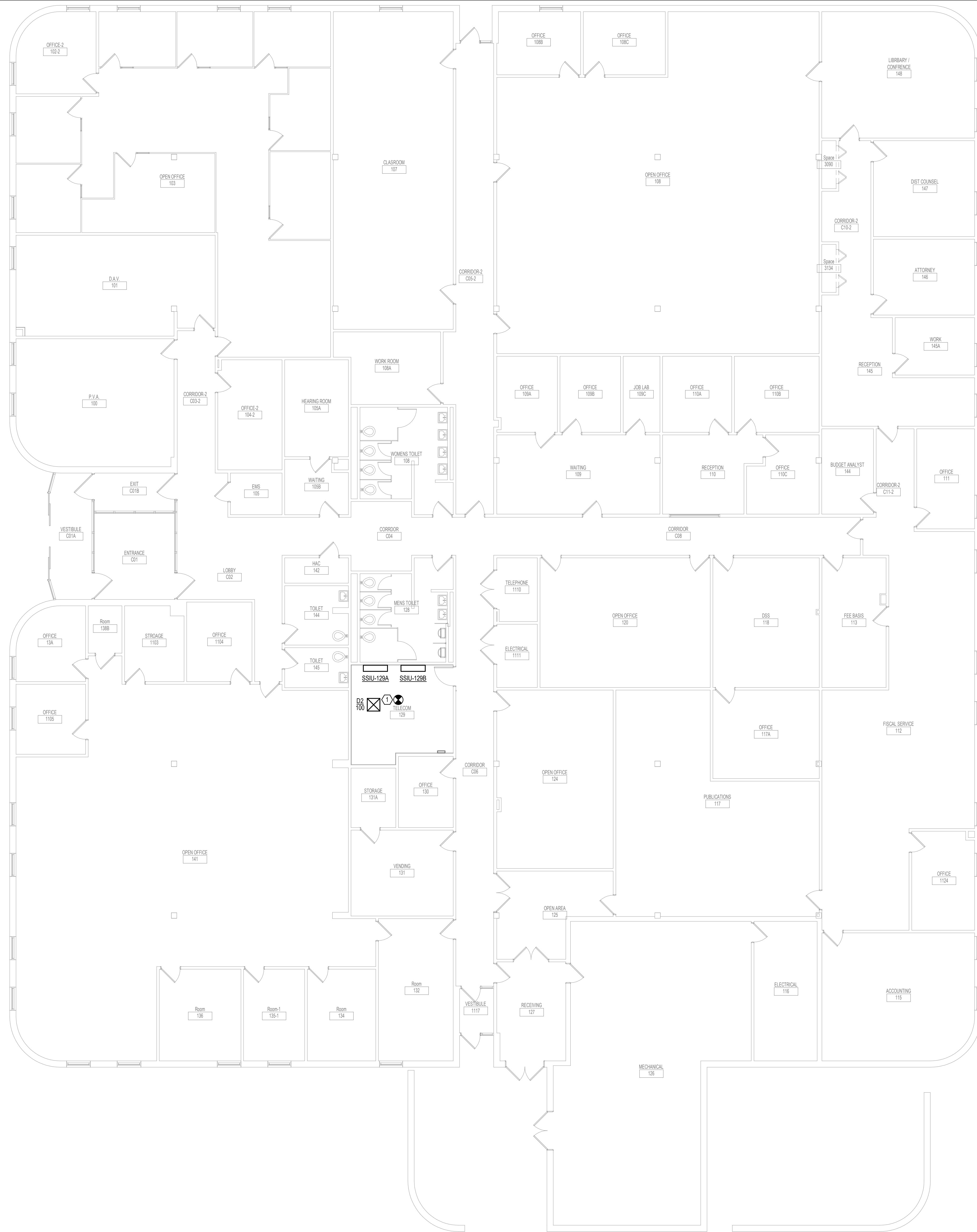
4 ENLARGED DEMOLITION PLAN - TELECOM 129 - BUILDING 38
1/4" = 1'-0"

DEMOLITION PLAN KEYED NOTES

- DE1 REMOVE FLOOR FINISH IN ITS ENTIRETY. PATCH & PREP FLOOR FOR SCHEDULED FINISH. SEE SPECIFICATION SECTION 09 05 16 SUBSURFACE PREPARATION FOR FLOOR FINISHES.
- DE2 REMOVE CEILING IN ITS ENTIRETY. INCLUDING ALL MECHANICAL & ELECTRICAL ITEMS. SEE MECHANICAL / ELECTRICAL.
- DE3 REMOVE GYP BD ON ONE SIDE OF PARTITION AS REQUIRED. SEE PLANS AND MECHANICAL / ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- DE4 CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF DOOR AND FRAME AS SCHEDULED. SEE PLAN.
- DE5 REMOVE PORTION OF CEILING AS REQUIRED. SEE PLANS FOR ADDITIONAL INFORMATION.
- DE6 REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED PIPING. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- DE7 REMOVE BASE CABINETS, UPPER CABINETS, TALL CABINETS AND/OR COUNTERTOP.
- DE8 REMOVE CEILING IN THIS AREA AS REQUIRED FOR MEP WORK. SALVAGE CEILING WHERE APPROPRIATE FOR REINSTALLATION. SEE PLANS FOR ADDITIONAL WORK.
- DE9 REMOVE CONDUITS THROUGH FLOOR. SEE PLAN FOR ADDITIONAL INFORMATION.
- DE10 REMOVE PARTITION MOUNTED MIRROR AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION.
- DE11 REMOVE SURFACE MOUNTED PLYWOOD. TEMPORARILY SUPPORT ANY EQUIPMENT. SEE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
- DE12 REMOVE COVERED CONCRETE BASE AT PARTITION.
- DE13 REMOVE PREMANUFACTURED PLASTIC LOCKER(S), SALVAGE FOR REINSTALLATION.
- DE14 REMOVE RAISED FLOOR SYSTEM IN ITS ENTIRETY AND METAL RAMP.
- DE15 REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION.
- DE16 REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. IN PREPARATION FOR RESLOPING AND ROOFOOFING. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION.
- DE17 REMOVE ROOF DRAIN AND ASSOCIATED PIPING. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
- DE18 REMOVE METAL LOUVER AND ALL ASSOCIATED MOUNTING HARDWARE. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
- DE19 CUT OPENING IN BRICK AND METAL STUD BACK UP WALL FOR DOOR AND FRAME AS SCHEDULED. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION.
- DE20 REMOVE PARTIAL HEIGHT CERAMIC TILE AT SINK.
- DE21 REMOVE METAL RADIATOR COVER.
- DE22 REMOVE SURFACE APPLIED WALL COVERING, TRIM, VINYL BASE AND / OR CRASH / HAND RAIL AS NEEDED.
- DE23 REMOVE DOOR, FRAME AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION. SEE PLAN.
- DE24 REMOVE ALUMINUM WINDOW SYSTEM AND ALL ASSOCIATED HARDWARE. REMOVE CAST STONE SILL, EXTERIOR, AND SOLID SURFACE SILL, INTERIOR.
- DE25 CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF EDGE ILLUMINATED PHOTO MURALS.
- DE26 SAW CUT FACE BRICK AND REMOVE PORTION OF WALL. SEE PLAN FOR ADDITIONAL INFORMATION.
- DE27

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN.

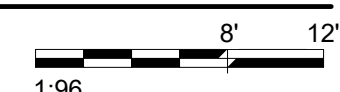
CONSULTANT 	ARCHITECT/ENGINEER OF RECORD 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title FIRST LEVEL DEMOLITION, FLOOR & ENLARGED PLANS - BUILDING 38	Phase BID DOCUMENTS	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910
			Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Drawing Number 38
Revisions:	Date:	Issue Date 02/18/2022	Checked Checker	Drawn Author	AE111-38	



GENERAL NOTES:
1. COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
4. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

SHEET NOTES:
1. CONNECT NEW DIFFUSER TO EXISTING SUPPLY DUCTWORK. SUPPORT FROM STRUCTURE.

1 FIRST LEVEL DUCTWORK FLOOR PLAN - BUILDING 38
1/8" = 1'-0"



Revisions:	Date:

CONSULTANT

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Drawing Title
BUILDING 38 - DUCTWORK FLOOR PLAN

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
Sioux Falls, SD

Issue Date
07/06/2021

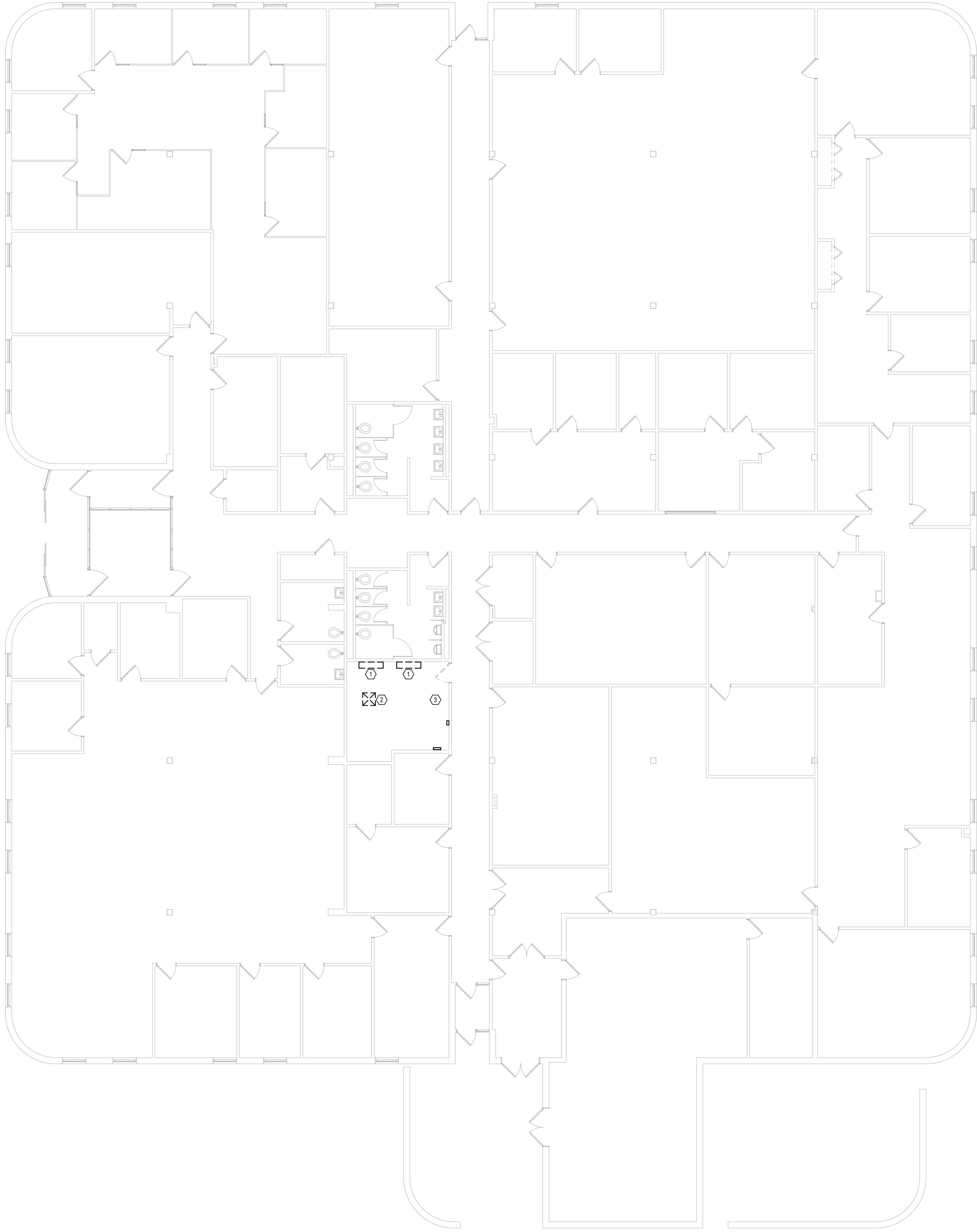
Checked
EGS

Drawn
PHV

Project Number
438-20-910

Building Number
38

Drawing Number
MH111-38



- GENERAL NOTES:**
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- SHEET NOTES:**
- DEMOLISH SPLIT SYSTEMS AND ASSOCIATED PIPING IN ITS ENTIRETY.
 - DEMOLISH EXISTING SUPPLY DIFFUSER, PREPARE SUPPLY DUCT FOR RECONNECTION TO NEW DIFFUSER.
 - DEMOLISH RETURN AIR GRILLE AND DUCTWORK SERVING TELECOM ROOM BACK TO MAIN AND CAP.

BIM 360/202535.DWG - VA Sioux Falls EHRM/202535.DWG - VA Sioux Falls EHRM/202535.DWG - VA Sioux Falls EHRM/202535.DWG - VA Sioux Falls EHRM/202535.DWG
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1 FIRST LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 38
 1/8" = 1'-0"

Revisions:	Date:

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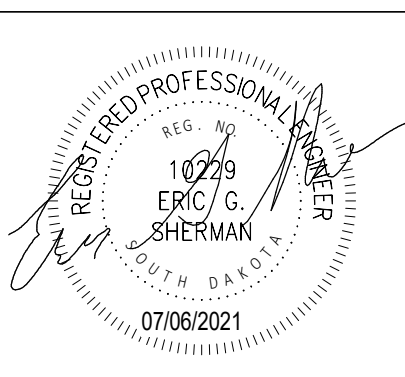
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Office of Construction and Facilities Management



Drawing Title
FIRST LEVEL MECHANICAL DEMOLITION PLAN - BUILDING 38

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
 Sioux Falls, SD

Issue Date
 07/06/2021

Checked
 EGS

Drawn
 PHV

Project Number
 438-20-910

Building Number
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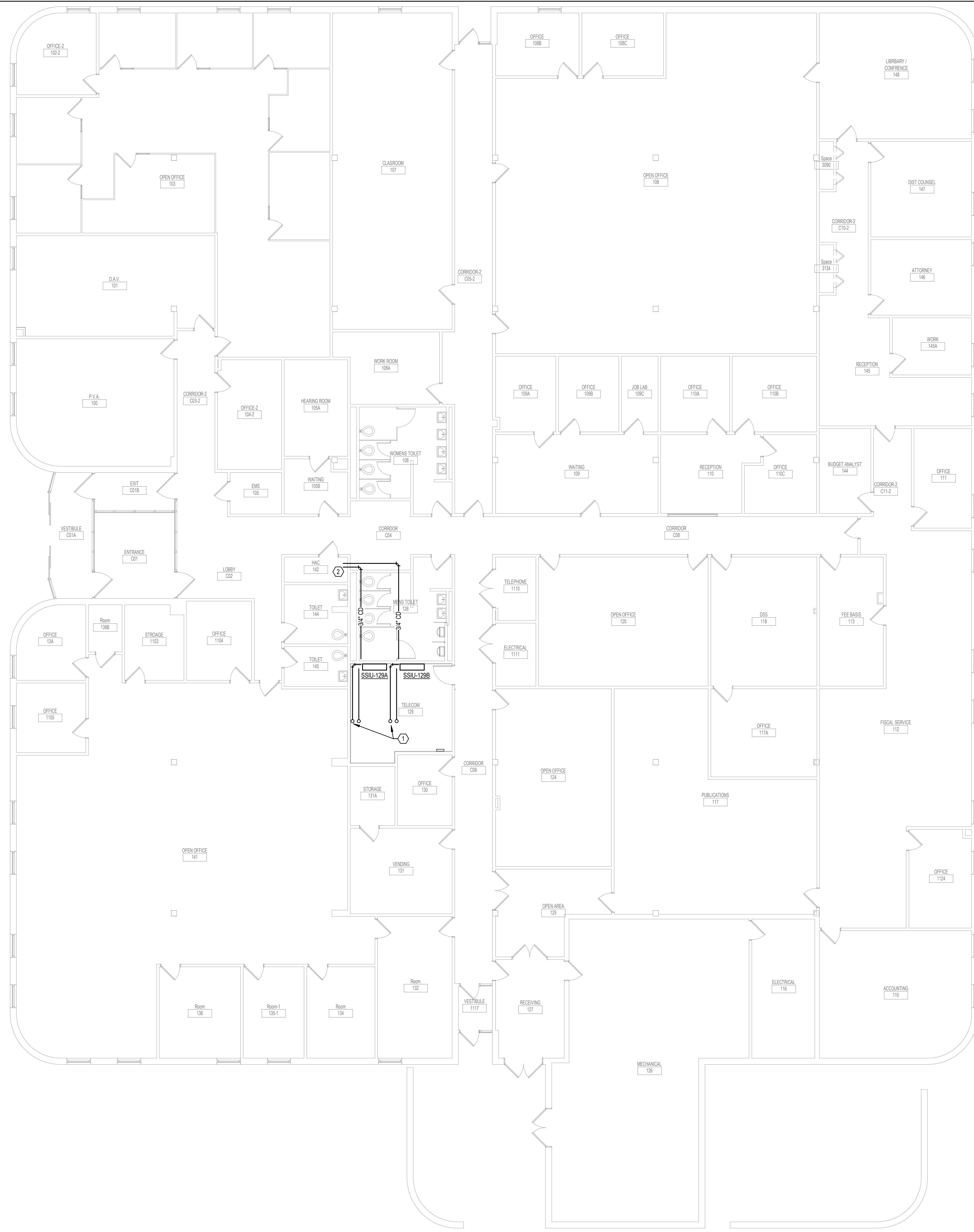
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MD111-38

GENERAL NOTES:

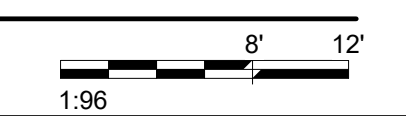
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
- ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
- UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
- THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

SHEET NOTES:

- ROUTE REFS AND REFL PIPING UP TO CONDENSING UNITS MOUNTED ON ROOF DIRECTLY ABOVE.
- ROUTE CONDENSATE DRAIN TO SERVICE SINK.



1 FIRST LEVEL PIPING FLOOR PLAN - BUILDING 38
1/8" = 1'-0"



Revisions:	Date:

CONSULTANT

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL PIPING FLOOR PLAN - BUILDING 38

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
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Issue Date
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Project Number
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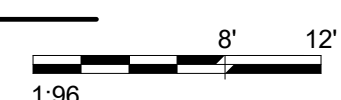
CABLING NOTES:

1. ROOM 129
 EXISTING CABLE COUNT
 DATA (CAT5): 72
 DATA (CAT5): 288
 DATA (CAT5): 312
 VIDEO: 6
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0
 CABLE RELOCATION COUNT
 DATA (CAT5): 0
 DATA (CAT5): 161 TO ROOM 129
 VIDEO: 0
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0
 EXISTING CABLE TO REMAIN
 DATA (CAT5): 72
 DATA (CAT5): 288
 DATA (CAT5): 151
 VIDEO: 6
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0
 FINAL CABLE COUNT
 DATA (CAT5): 233
 DATA (CAT5): 288
 DATA (CAT5): 151
 VIDEO: 6
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

SHEET NOTES:

1. LIMITS OF VA SPACE IN BUILDING. THE SCOPE OF THE CABLING REPLACEMENT IN THIS BUILDING IS LIMITED TO THE VA SPACES ONLY. CABLES SERVING OUTSIDE THE DEMARCATED SPACES ARE EXISTING TO REMAIN.
2. EXISTING TELEPHONE WALL FIELD TO BE DEMOLISHED. NEW COPPER BACKBONE TO BE PROVIDED ON PATCH PANELS IN TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.
3. REPLACE EXISTING PANEL L3 IN PLACE WITH NEW PANEL L3. REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION.

1 FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 38
 1/8" = 1'-0"



Revisions:	Date:

CONSULTANT



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STAMP



Office of Construction and Facilities Management

 U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 38

Approved: _____

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location
 Sioux Falls, SD

Issue Date
 07/06/2021

Checked
 KSB

Drawn
 NMT

Project Number
 438-20-910

Building Number
 38

Drawing Number
ED111-38

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CABLING NOTES:

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

ROOM 129

EXISTING CABLE COUNT
 DATA (CAT6): 72
 DATA (CAT5): 288
 DATA (CAT5): 312
 VIDEO: 6
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

CABLE RELOCATION COUNT
 DATA (CAT6): 0
 DATA (CAT5): 0
 VIDEO: 0
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN
 DATA (CAT6): 72
 DATA (CAT5): 288
 DATA (CAT5): 154
 VIDEO: 6
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

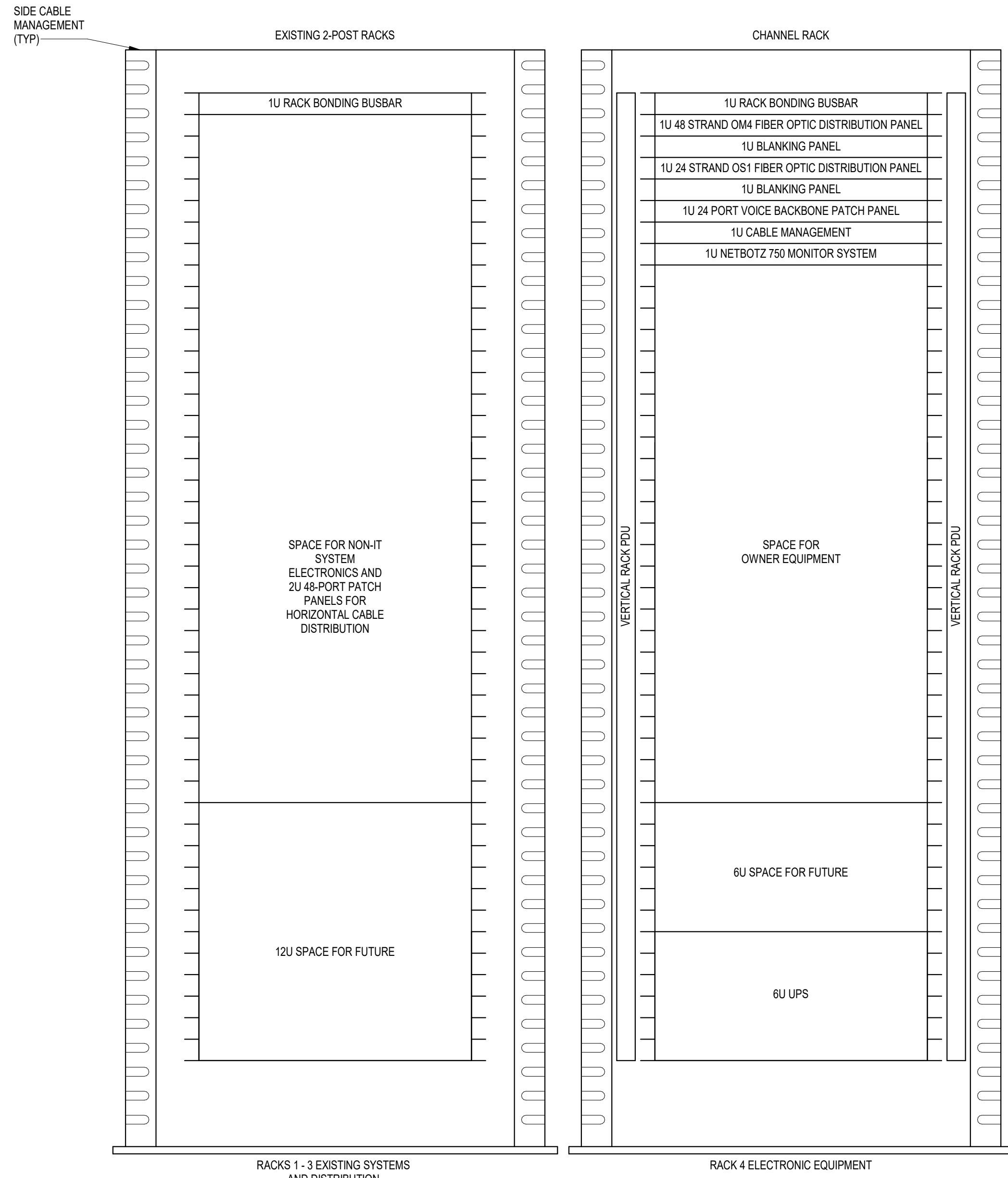
FINAL CABLE COUNT
 DATA (CAT6): 72
 DATA (CAT5): 288
 DATA (CAT5): 151
 VIDEO: 6
 PATIENT MONITORING: 0
 COMMERCIAL WIRELESS: 0

SHEET NOTES:

1. PROVIDE NEW 4" CONDUIT FROM TELECOMMUNICATIONS PULL BOX INTO BUILDING. EXCAVATE OUTSIDE OF BUILDING AND CUT BUILDING FLOOR AS REQUIRED TO BRING THE 4" CONDUITS INTO THE BUILDING AND ROUTE UP TO ABOVE THE ACCESSIBLE CEILING. PROVIDE 1" CONDUIT FROM THE ACCESSIBLE CEILING SPACE ABOVE THE CHASE TO THE EXISTING TELECOMMUNICATIONS ROOM. CAP THE REMAINING THREE CONDUITS ABOVE THE ACCESSIBLE CEILING. FIELD COORDINATE THE EXACT LOCATION OF THE CONDUIT ENTRANCE. ROUTE CONDUIT WITHIN THE BUILDING AS HIGH AS PRACTICABLE.

2. CONDENSING UNIT LOCATED ABOVE THIS ROOM ON ROOF LEVEL. PROVIDE (1) (GFCI) RATED DUPLEX RECEPTACLE IN WEATHER PROTECTING CASE WITHIN 25 FEET OF MECHANICAL EQUIPMENT.

3.



NOTES:

- COORDINATE FINAL RACK LAYOUT WITH OWNERS ISIT REPRESENTATIVE.
- PROVIDE COMPONENTS NOT LISTED BY OWNER.
- SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
- COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
- REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
- COORDINATE INSTALLATIONS WITH OWNERS ISIT REPRESENTATIVE.

2 RACK ELEVATION - ROOM 129 - BUILDING 38
NO SCALE

1 FIRST LEVEL LOW VOLTAGE FLOOR PLAN
1/8" = 1'-0"

INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.

INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER.

Revisions: _____ Date: _____	CONSULTANT 	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16090	STAMP Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 RCO	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title FIRST LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 38 Approved: _____	Phase BID DOCUMENTS FULLY SPRINKLERED	Project Title VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES	Project Number 438-20-910			
							Location Sioux Falls, SD	Issue Date 07/06/2021	Checked KSB	Drawn NMT	Building Number 38