BLACK HILLS VA HEALTHCARE SYSTEM ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - FORT MEADE, SD PROJECT NO.: 568-21-701 CONTRACT NO.: 36C77621C0078 **100% CONSTRUCTION DOCUMENTS SUBMITTAL**

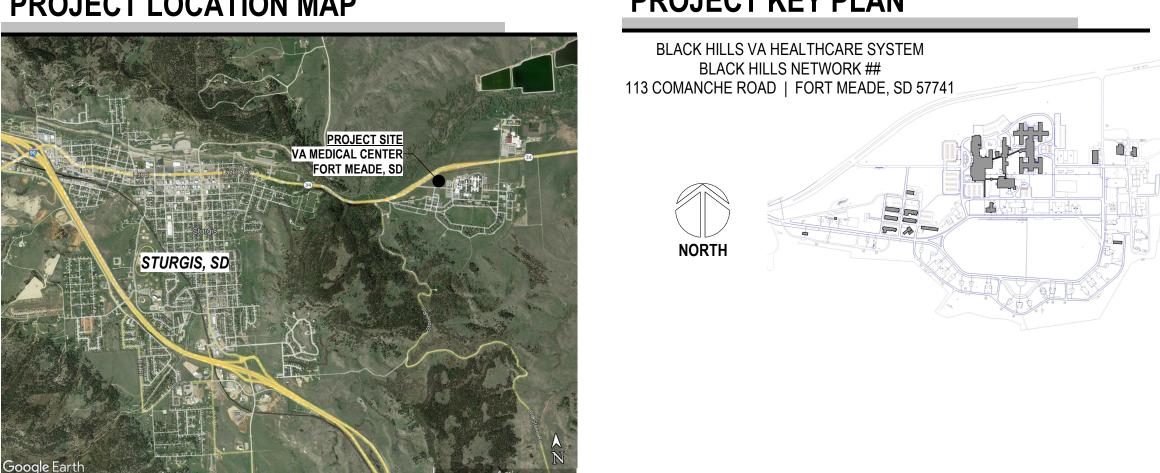
BLACK HILLS VA HEALTHCARE SYSTEM BLACK HILLS NETWORK ## 113 COMANCHE ROAD | FORT MEADE, SD 57741

VOLUME 3

 ELECTRICAL FIRE PROTECTION

THE A/E HAS PARTITIONED THE DRAWINGS INTO SECTIONS THE PRIME CONTRACTOR IS TO PROVIDE COORDINATION AMONG THE TRADES AND DRAWING SECTIONS TO ENSURE ALL MATERIALS, LABOR, EQUIPMENT, AND OTHER SERVICES ARE PROVIDED TO FULFILL THE ENTIRE CONTRACT. FOR EXAMPLE, DOOR HARDWARE REQUIRES ELECTRICAL ARCHITECTURAL, AND FIRE PROTECTION SECTION REVIEW PROVIDE A WORKING OUTCOME FOR ALL MULTI DISCIPLINARY DEFINABLE FEATURES OF WORK.

PROJECT LOCATION MAP



ARCHITECTURAL ABBREVIATIONS

ABV A/C ACT TILE ADDL ADJ AFF ALT ALUM ARCH	ANCHOR BOLT ABOVE AIR CONDITIONING ACOUSTICAL CEILIN ADDITIONAL ADJUSTABLE ABOVE FINISH FLOO ALTERNATE ALUMINUM ARCHITECT(URAL) AWNING
BD BLDG BLKG BM BRG BTWN	BOTTOM OF BOARD BUILDING BLOCKING BEAM OR BENCHMA BEARING BETWEEN BUILT-UP ROOF
CLG CMU UNIT CO COL CONC CONT CONS CG CPT	CONTROL JOINT CENTERLINE CEILING CONCRETE MASONF CLEAN OUT COLUMN CONCRETE CONTINUOUS
DISP DN DR DS DTL	

D

EAST EACH EA EC EXISTING COLUMN G EJ EXPANSION JOINT ELEC ELECTRICAL ELEVATION EL ELEV ELEVATOR DR EQ EQUAL EQUIP EQUIPMENT EWC ELECTRIC WATER COOLER EXH EXHAUST EXIST EXISTING EXP EXPANSION OR EXPOSED EXT EXTERIOR ARK FACP FIRE ALARM CONTROL PANEL FD FLOOR DRAIN FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET F.F. FINISH FLOOR FIN FINISH FIXT FIXTURE RY FLR FLOOR FND FOUNDATION FP FIRE PROTECTION FR FRAME FRMG FRAMING FT FEET/FOOT OR FIRE ION TREATED FTG FOOTING FTNG FOOTING FRP FIBERGLASS **REINFORCED PANEL** FRT FIRE RETARDANT TREATED GA GAUGE GALV GALVANIZED GB GYPSUM BOARD GC GENERAL CONTRACTOR GL GLASS, GLAZING GWB GYPSUM WALL BOARD GYP GYPSUM HC HANDICAP HDR HEADER HDW HARDWARE HM HOLLOW METAL HORIZ HORIZONTAL HR HOUR HT HEIGHT HTD HEATED HVAC HEATING/VENTILATION P & AIR CONDITIONING **Revisions:**

)			
		QT	QUARRY TILE
	INSIDE DIAMETER	QTR	QUARTER
IFO	INFORMATION	QTY	QUANTITY
	ISOCYANURATE		
ISUL	INSULATE / INSULATED /	R	RADIUS
	ATION	RA	
	INTERIOR		RUBBER BASE
١V	INVERT	RD	
.			RECYCLE(D)
T			REFERENCE
BOX			G REFRIGERATOR
IT	KITCHEN		REFRIGERATION REINFORCE
11	RIIGHEN		REQUIRED
	LONG / LENGTH	RM	
ΔМ			ROUGH OPENING
	LAVATORY		RIGHT OF WAY
	LINEAR FEET	11011	
F T	LIGHT	S	SOUTH
		SC	
IAS	MASONRY		SCHEDULE
IATL	MATERIAL	SCHEE) SCHEDULED
IAX	MAXIMUM	SECT	SECTION
IECH	()		SQUARE FEET
			SPRAY APPLIED FIRE
			TIVE MATERIAL
	MANHOLE		SINGLE
IIN			SHEET
lisc	MISCELLANEOUS MASONRY OPENING	SHIG	SHEATHING
IIL	METAL		SPECIFICATIONS SLAB ON DECK
	NORTH		SLAB ON GRADE
IC	NOT IN CONTRACT	20G 20H	
OM	NOMINAL	SS	STAINLESS STEEL
TS			STONE TILE
		STD	STANDARD
C	ON CENTER	STND	STANDARD
D	OUTSIDE DIAMETER OR	STL	STEEL
	LOW DRAIN		
PNG	OPENING		
	OPPOSITE		
	ORIENTED STRAND BOARD		
VHD	OVERHEAD	THRES	SH THRESHOLD
		1.U.	TOP OF
	PLATE PLASTIC LAMINATE		
	BPLUMBING DPLYWOOD	T.O.F.	
	PANEI		TOP OF
NT			TONGUE AND GROOVE
	POLYESTER OR	TFI	TELEPHONE
			THICK
SF	POUNDS PER SQUARE	TRANS	TRANSOM
00T			TELEVISION
	POUNDS PER SQUARE INC		
	PRESSURE TREATED OR		
OINT			
VMT	PAVEMENT		

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e:		1

Dat

CONSULTANT **ARCHITECT A&E DESIGN** 124 NORTH 29TH STREET, #100 BILLINGS, MONTANA 59101 406.248.2633

PAUL SIDERIUS, AIA

https://www.ae.design/

PROJECT KEY PLAN

UL UNDERWRITERS LABORATORY UNO UNLESS NOTED OTHERWISE

VB VINYL BASE VCT VINYL COMPOSITION VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD

TILE

W

W/

WITH

VP VENEER PLASTER VR VAPOR RETARDER VT VINYL TILE VWC VINYL WALL COVERING

WIDE OR WES WC WATER CLOSET

WD WOOD WDW WINDOW WG WALL GUARD WH WATER HEATER

W/IN WITHIN W/O WITHOUT WP WATERPROOF

WR WATER RESISTANT WT WEIGHT WWF WELDED WIRE FABRIC

NUMBER OR POUND

A3.# SECTION EXTERIOR ELEVATION A3.# / WALL A3.# SECTION $\langle X \rangle$ WINDOW TAG

1 BUILDING

EXPLANATION OF SYMBOLS

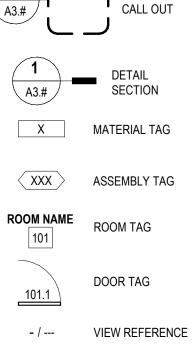
#4 <(A6.#)>#;

(XX-XX) KEYNOTE TAG GRID LINE ELEVATION $\langle XXX-X \rangle$ CEILING TAG

REVISION CLOUD CASEWORK TAG

15

X'-X'



REVISION TAG

INTERIOR

ELEVATION

DETAIL

- CABINET DESIGN SERIES NO.

POSITION OF VIEW ON SHEET - VIEW NAME **VIEW NAME** 1 1/2" = 1'-0"

- VIEW SCALE TYPICAL SHEET VIEW NUMBERING LAYOUT

16				
11				
6				
1	2	3	4	5

ARCH E1 (30"x42") NUMBERING STARTS IN BOTTOM LEFT CORNER, MOVING UPWARDS, SKIPPING NONE

ARCHITECT/ENGINEER OF RECORD

<u>A/E:</u> GDM of Oregon 1308 NE 134th St., Suite A VANCOUVER, WA 98685 P: 541.426.4723 ADAM GODDIN, PE WWW.GDM-AE.COM

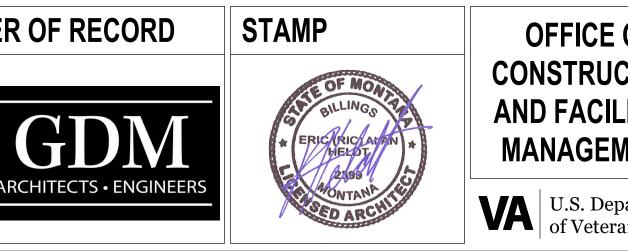
GENERAL PROJECT NOTES

- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWIN EXISTING CONDITIONS, FACILITIES, RESTRICTIONS AND OTH OF ANY CONTRACTOR TO VISIT THE SITE AND ACQUAINT THE RESPECT TO THEIR CONTRACT AND NO EXTRA TIME OR COM COULD HAVE FULLY INFORMED THEMSELVES PRIOR TO BIDDING. GENERAL CONTRACTOR SHALL COORDINATE ALL ASPECTS OF THE BUILDING CONSTRUCTIO
- AND TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COORDINATE ARCHITECTURAL STRUCTURAL AND MECHANICAL. ELECTRICAL & PLUMBING NOTES AND DRAWINGS
- DIMENSIONS OR CONDITIONS.
- APPROVALS TO THE COR PRIOR TO THE COMMENCEMENT OF THE SCOPE.
- SUPPLEMENTARY CONDITIONS OF THE CONTRACT.
- SYSTEM(S)
- MEANS AND METHODS OF CONSTRUCTION, SAFETY AND SECURITY ON SITE

- CHARGE TO THE OWNER, ANY EXISTING WORK DAMAGED DURING THE COURSE OF CONSTRUCTION
- ACTIVITY
- CONTRACT BY THE CONTRACTOR.
- BY THE C.O.R.
- DESCRIBED
- SHUTDOWNS MUST BE SCHEDULED WITH THE COR ONE (1) WEEK PRIOR TO OUTAGE
- RELOCATED. REVISED OR ABANDONED.

- MATERIALS SHALL NOT BE STORED IN CORRIDORS OR ANY OTHER UNAUTHORIZED LOCATION AT ANY TIME.
- 22. FIELD VERIFY ALL EXISTING DIMENSIONS, SERVICES, AND POINTS OF CONNECTION PRIOR TO START OF WORK.
- CONTRACTOR.

- AND SEAMLESS TRANSITION.
- AT NO EXPENSE TO THE OWNER.
- DRAWINGS SCALING SHALL BE CORRECTED.
- APPROVAL OF THE C.O.R. AT NO ADDITIONAL COST TO THE GOVERNMENT.
- LOOK-AHEAD SCHEDULE.
- 33. PROTECT EXISTING FIRE SUPPRESSION SYSTEMS DURING CONSTRUCTION.
- ADDITIONAL MONEY AND ADDITIONAL TIME FOR CRITICAL PATH ACTIVITIES.
- REGARDING SUBMITTING THE FORM.
- 36. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND COORDINATING ANY REQUIRED THIRD PART INSPECTORS
- WITHOUT CEILINGS. PAINT COLOR TO BE RED.



H

GS AND SPECIFICATION AND RELATED CONTRACT DOCUMENTS, VISIT SITE OF WORK, AND RESEARCH ALL	
R MATTERS WHICH CAN AFFECT THE WORK, IN TIMELINE, QUALITY OR COST, THEREOF; FAILURE OR OMISSION	
MSELVES WITH THE EXISTING CONDITIONS, SHALL IN NO WAY RELIEVE THEM FROM ANY OBLIGATION WITH	
PENSATION WILL BE ALLOWED BY REASON OF ANY THING OR MATTER CONCERNING WHICH THE CONTRACTOR	

THE DRAWINGS SHALL BE WORKED IN CONJUNCTION WITH THE TECHNICAL SPECIFICATIONS AND CONDITIONS OF THE PROJECT INCLUDED IN THE PROJECT MANUAL WHICH FORM A PART OF THE CONTRACT DOCUMENTS AND CONTAINS ADDITIONAL INFORMATION REQUIRED TO CONSTRUCT THE WORK OF THIS CONTRACT. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATION NOTIFY THE COR FOR CLARIFICATION SEVEN DAYS BEFORE BEGINNING WORK ON THE AFFECTED ACTIVITIES

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE START OF THE WORK. NOTIFY THE COR OF ANY SIGNIFICANT CHANGES IN

5. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND NECESSARY FACILITIES, AND PERFORM ALL LABOR AND SERVICES OF EVERY DESCRIPTION AS "CONTRACTING OFFICER" OR "C.O.": THE OWNER'S AU REQUIRED TO COMPLETE THE SCOPE OF WORK DEFINED ON THE DRAWINGS AND SPECIFICATIONS WITHIN THE AGREED TIMELINE

THE CONTRACTOR SHALL ARRANGE FOR AND OBTAIN ALL VA ISSUED PERMITS (HOTWORK, ICRA, WEEKENDS, HOLIDAYS, SHUTDOWN, ETC), CERTIFICATES, INSPECTIONS, DEPARTMENT APPROVAL, ETC. FOR WORK PERFORMED UNDER THIS CONTRACT. PROVIDE COPIES OF ALL REQUIRED PERMITS, CERTIFICATES, INSPECTIONS AND AGENCY

FABRICATE AND INSTALL ALL WORK IN STRICT ACCORDANCE WITH THE SPECIFICATIONS. ALL APPLICABLE STATE AND LOCAL CODES. AND THE GENERAL AND

8. U.L. ASSEMBLIES DESCRIBED ARE FOR REFERENCE ONLY. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE INSTALLATION OF THE DESCRIBED

9. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATING WITH OTHER TRADES

CUTTING AND PATCHING SHALL BE PERFORMED BY EACH TRADE AS NECESSARY FOR THE PERFORMANCE AND INSTALLATION OF THE WORK. CUTTING AND PATCHING SHALL BE PERFORMED IN A WORKMANLIKE MANNER CONSISTENT WITH INDUSTRY STANDARDS FOR FINISHES AND SUBSTRATES AFFECTED.

THE CONTRACTOR SHALL PROTECT THE FACILITY FROM WEATHER AND MAINTAIN SECURITY DURING ALL CONSTRUCTION WORK

12. PROTECT EXISTING PROPERTY DURING CONSTRUCTION. REPAIR OR REPLACE AT THE DISCRETION AND TO THE SATISFACTION OF THE C.O.R.. WITHOUT ADDITIONAL

THE WORK SHALL BE COORDINATED IN GOOD FAITH WITH THE COR AND ALL GOVERNMENT EMPLOYEES 14 DAYS IN ADVANCE OF BEGINNING EACH CONSTRUCTION

UNLESS ITEMS OF MATERIAL, EQUIPMENT OR WORK ARE SPECIFICALLY NOTED TO BE PROVIDED OR FURNISHED BY OTHERS, THEY SHALL BE PROVIDED UNDER THIS

. ALL WORK SHALL BE PERFORMED BY SKILLED WORKERS IN A WORKMANLIKE AND PROFESSIONAL MANNER CONSISTENT WITH INDUSTRY STANDARDS AND/OR AS DIRECTED MATERIALS, OWNER'S MANUALS, TRAINING AND ANY OTHER

LEAVE THE SITE AND ALL BUILDINGS AND STRUCTURES IN PROPER WORKING ORDER AND SHALL, WITHOUT ADDITIONAL CHARGE, REPLACE ANY WORK. MATERIALS. OR EQUIPMENT FURNISHED AND INSTALLED UNDER THE CONTRACT WHICH DEVELOPS DEFECTS. DUE TO A POSSIBL (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. THIS IS NOT TO LIMIT OR EXCLUDE ANY OTHER WARRANTY OR WARRANTY PERIOD OTHERWISE

17. CONTRACTOR SHALL SCHEDULE, COORDINATE, AND FACILITATE ALL POWER, WATER, OR TELECOMMUNICATIONS OUTAGES AND SHUTDOWNS. ALL OUTAGES AND

18. FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO REGULATED MATERIALS ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, EQUIPMENT, AND ALL OTHER EXISTING SYSTEMS. MAKE NECESSARY PROVISIONS TO MAINTAIN THE INTEGRITY OF SAID SYSTEMS PRIOR TO THE COMMENCEMENT OF DEMOLITION, IF ANY. SEE MECHANICAL, ELECTRICAL, TELECOMMUNICATIONS, AND ARCHITECTURAL DRAWINGS FOR ANY SYSTEM OR PORTIONS THEREOF TO BE REMOVED, "BY OWNER", "BY VAMC" OR "BY VA":

19. ANY CONSTRUCTION INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED AT NO EXPENSE TO THE OWNER.

20. ALL REQUIRED EXITS FROM OCCUPIED PORTIONS OF THE BUILDING MUST BE MAINTAINED AT ALL TIMES. ESTABLISH PROCEDURES TO MINIMIZE CIRCULATION OF CONSTRUCTION PERSONNEL AND MATERIALS THROUGH OCCUPIED PORTIONS OF THE BUILDING. KEEP ALL AREAS ADJACENT TO THE WORK AREA CLEAN.

21. PRIOR TO DELIVERY OF MATERIALS TO THE CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM THE SITE, VERIFY WITH THE COR FOR AN ACCEPTABLE ACCESS ROUTE AND TIME. UNDER NO CIRCUMSTANCES SHALL ANY AREA OUTSIDE THE CONSTRUCTION ZONE BE USED WITHOUT PRIOR APPROVAL FROM THE COR. ALL BUILDING INTERIOR STAGING AREAS SHALL BE PROTECTED WITH FIRE RESISTANT PLYWOOD ENCLOSURES. ALL TRASH SHALL BE REMOVED FROM THE BUILDING DAILY. CONSTRUCTION

23. THE DESIGN ADEQUACY, SAFETY, AND ERECTION OF BRACING, SHORING, SCAFFOLDING, AND TEMPORARY SUPPORTS AND RESTRAINS IS THE SOLE RESPONSIBILITY OF THE WORK RESULTING IN A LONG-TERM CEILING REMOVAL, NOTI

24. NOTIFY THE FACILITY OF TIMES WHEN THE CONSTRUCTION NOISE WILL BE IN EXCESS OF 80 DB. RESCHEDULE SUCH WORK IF SO REQUIRED BY THE FACILITY.

25. NOTIFY THE COR OF ANY DISCREPANCIES DISCOVERED IN THE FIELD THAT REQUIRE CORRECTIVE ACTION PRIOR TO TAKING ANY ACTION.

26. FOR EXISTING FLOORS, CEILINGS, PARTITIONS, AND SERVICES TO REMAIN, PROTECT ALL FINISHES AND MATERIALS, AND REPAIR OR REPLACE ALL ITEMS THAT ARE DAMAGED OR SOILED DURING THE COURSE OF CONSTRUCTION. ALL FINISHES AND MATERIALS SHALL BE PROPERLY INTEGRATED TO INSTITUTE A UNIFORM APPEARANCE

27. ALL ITEMS TO BE REMOVED AND REPLACED SHALL BE HANDLED WITH PROPER CARE AND STORED IN SUCH A MANNER AS TO PREVENT DAMAGE; WHEN DAMAGED, REPLACE WHERE EXISTING CEILINGS ARE PERMANENTLY REMOVED,

28. ALL EQUIPMENT AND PIPING SHALL BE SUPPORTED OR BRACED IN ACCORDANCE WITH PROVISIONS OF THE TECHNICAL SPECIFICATIONS.

29. ALL DRAWINGS, THOUGH NOTED TO SCALE, ARE FOR ILLUSTRATION ONLY. DO NOT SCALE THE DRAWINGS. FIELD VERIFY ALL DIMENSIONS. ITEMS WRONGLY LOCATED BY

30. SIGNAGE CONSTRUCTION, FONT AND SIZE SHALL BE CONSISTENT WITH THE FACILITY'S EXISTING SIGNAGE SYSTEMS. REFER TO SPECIFICATIONS FOR CODE REQUIRED SIGNAGE. PROVIDE ADDITIONAL SIGNAGE AS MAY BE REQUIRED BY REQUEST OF THE FIRE MARSHAL AND/OR BUILDING CODE OFFICIAL OR C.O.R.

31. EXERCISE CARE DURING CONSTRUCTION TO MINIMIZE DISRUPTION OF THE MEDICAL CENTER ROUTINE, COORDINATE SEQUENCE OF WORK AND PHASING WITH THE COR TO ARCHITECT MINIMIZE DISRUPTION OF THE MEDICAL CENTER. MANY OF THE WORK ITEMS REQUIRE THE WORK TO BE PERFORMED ONLY AT NIGHT, WEEKENDS, OR HOLIDAYS WITH PRIOR **A&E ARCHITECTS**

32. PRIOR TO DRILLING OR CORING EXISTING CONCRETE. CONTRACTOR SHALL LOCATE EXISTING REINFORCEMENT TO MAINTAIN ADEQUATE CLEARANCES FROM AND AVOID DAMAGE TO EXISTING REINFORCEMENT. CONTRACTOR SHALL USE NON-DESTRUCTIVE TESTING (NDT) TO LOCATE REINFORCEMENT. WHENEVER FEASIBLE, CONTRACTOR SHALL USE GROUND PENETRATING RADAR (GPR) OR MEANS OTHER THAN X-RAY. WHERE X-RAY IS REQUIRED, CONTRACTOR SHALL PROVIDE WRITTEN REQUEST AT LEAST THREE (3) WEEKS PRIOR TO EVENT: WORK MAY BE REQUIRED TO BE PERFORMED OUTSIDE NORMAL WORK HOURS AND SHALL BE DOCUMENTED ON THE THREE (3) WEEK

34. IN THE EVENT THE CONTRACTOR DISCOVERS HAZARDOUS MATERIALS WHICH ARE NOT AVOIDABLE BY REROUTING THE WORK AND HAVE NOT BEEN DESCRIBED IN THE CONTRACT, THE CONTRACTOR IS TO NOTIFY THE COR AND THE A/E FOR DIFFERING SITE CONDITION ACKNOWLEDGEMENT. REMEDIATION WOULD BE COMPENSATED BY

35. CONTRACTOR SHALL PROVIDE STAFF THAT WILL UNDERGO TRAINING AND CERTIFICATION TO ALLOW UN-ESCORTED ACCESS TO IT CLOSETS. THE CONTRACTOR SHALL CERTIFY SUFFICIENT NUMBER OF STAFF TO ACCOMMODATE PROPOSED SCHEDULE WITHOUT RELYING ON VA STAFF TO ACCOMPANY AS ESCORTS. THIS WILL REQUIRE PIV 541.436.4723 BADGING REQUIREMENT INCLUDING BACKGROUND INVESTIGATIONS. SEE "CONTRACTOR BACKGROUND INVESTIGATIONS REQUEST" FORM. COORDINATE WITH CO/CS

37. CONTRACTOR TO PAINT ANY EXISTING SPRINKLER PIPING LEFT EXPOSED BY CEILING REMOVAL & PAINT ANY NEW SPRINKLER PIPING EXPOSED IN FINISHED AREAS

- I EXPOSED B	OF CEILING REMOVAL & PAINT ANY NEW SPRINKLER PIPING EXPOSED I	IN FINISHED AREAS 54	1.436.4723		907.917
OF CTION LITIES	DRAWING TITLE COVER AND PROJECT GENERAL INFORMATION - VOLUME 3	PHASE 100% CONSTRUCT DOCUMENTS	ION	PROJECT TITLE EHRM INFRAS UPGRADES	TRUCT
MENT	APPROVED: Project Director	FLS		LOCATION FORT MEADE	, SOUT
partment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRIN	IKLERED	ISSUE DATE 11/05/2024	CHECK
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PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT INCLUDES BUT IS NOT LIM MPROVEMENTS: ELECTRICAL (ELECTRICAL PANEL UPGRAD UPS. BUILDING MANAGEMENT SYSTEM INTERFACES. ASSES RECONFIGURATION. EXPANSION AND RENOVATION OF EXIS FINISHES). COMMUNICATION INFRASTRUCTURE (NEW DATA CABLE) IN BUILDINGS AS NECESSARY, PHYSICAL SECURITY INFRASTRUCTURE BACKBONE CAMPUS WIDE WITHIN BUILD MATERIAL ABATEMENT. PROJECT BUILDING LOCATION INCLU 110. 113. 137. 144. 145. 146. 147. 148. T171. AND T296.

BASIC DEFINITIONS

'OWNER": THE OWNER IS UNITED STATES GOVER IS REFERRED TO THROUGHOUT THE CONTACT DOCUMENTS MEANS THE OWNER OR THE OWNER'S CONTRACTING OFFIC

ADMINISTRATING THE CONTRACT BETWEEN THE GENERAL CERTAIN AUTHORIZED REPRESENTATIVES OF THE CONTRA THEIR AUTHORITY AS DELEGATED BY THE CONTRACTING OF

THE TERM "WORK" MEANS THE CONSTRUCTION DOCUMENTS, WHETHER COMPLETED OR PARTIALLY COMPL MATERIALS, EQUIPMENT AND SERVICES PROVIDED BY THE OBLIGATIONS. THE WORK MAY CONSTITUTE THE WHOLE OR

"PROJECT": THE TOTAL CONSTRUCTION OF WHICH THE W DOCUMENTS

"DRAWINGS", "SHOP DRAWINGS", OR "PLANS": THE GRAPH DOCUMENTS, WHENEVER LOCATED AND WHEREVER ISSUED OF THE WORK. GENERALLY INCLUDING PLANS. ELEVATIONS

"PROJECT SUPERVISOR" OR "SUPERVISOR": MEANS TH PROJECT

"ARCHITECT" OR "ENGINEER": MEANS THE VA'S ARCHITE ENGINEERS PROFESSIONALS FOR THIS PROJECT, AND REFE SINGULAR IN NUMBER

"TRADE CONTRACTOR" OR "CONTRACTORS": MEANS THE GENERAL CONTRACTOR TO PROVIDE THE SPECIFIED GENER WITH THIS PROJECT.

"FURNISHED" OR "FURNISHED": MEANS PROVIDING ALL M. NSURANCE, FIELD MEASUREMENTS, EXPEDITING, SHIPPING INSTALLATION

"INSTALL" OR "INSTALLED": MEANS COMPLETING ALL HIP ISSUE, WITHIN ONE UNPACKING, HOISTING, STORAGE, HANGERS, SUPPORTS, S SHOP DRAWINGS, EXCAVATION, BACKFILL, DEWATERING, INS FIRESTOPPING, CLEAN-UP, INSPECTION, DOCUMENTATION, F ACCESSORIES, SERVICE AND FACILITIES REQUIRED FOR A CO

> MEANS TO FURNIS "PROVIDE" OR "PROVIDED": LIMITATION. ALL LABOR. MATERIALS. EQUIPMENTS. TRANSPO TO COMPLETE THE REFERENCED TASK.

MEANS ITEM JOB SITE AND INSTALLED BY THE OWNER.

"NOT IN CONTRACT" OR "N.I.C.": MEANS MATERIALS OR EC REQUIRE PROVISIONS IN THE CONSTRUCTION FOR FUTURE

OTHER DEFINITIONS OF WORDS AND TERMS USED IN THE DR THE LEGENDS AND SYMBOLS DRAWINGS FOR EACH DISCIPL MANUAL.

TEMPORARY FIRE & SMOKE F

IF MULTIPLE CEILING TILES MUST BE REMOVED AND CANNO SHIFT, A 1-HOUR FIRE BARRIER WILL NEED TO BE CONSTRUC ENCLOSURE MUST BE CONSTRUCTION OR TEMPORARY UPR WORK IS TO BE PART OF THE SUBMITTED SCOPE OF WORK.

IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE TO THE NEED TO PULL ADDITIONAL CABLES, TEMPORARY FI SHOULD BE INSTALLED IN THE PENETRATION TO PROVIDE P THROUGH THE UNSEALED PENETRATION.

WHERE EXISTING CEILINGS ARE TEMPORARILY REMOVED FC PROVIDE TEMPORARY UPRIGHT SPRINKLER HEADS. HEADS WITHIN ONE WORKING SHIFT TO AVOID LOSS OF SPR

PROJECT TEAM

BLACK HILLS VA HEALTHCARE SYSTEM

124 NORTH 29th STREET, SUITE 100

GDM - PUGET SOUND DISTRICT OFFICE

GDM - VANCOUVER DISTRICT OFFICE

GDM - VANCOUVER DISTRICT OFFICE

1308 NW 134TH STREET, SUITE A

1308 NW 134TH STREET. SUITE A

FIRE PROTECTION ENGINEER

VANCOUVER. WA 98685

VANCOUVER, WA 98685

OWNER

FORT MEADE VAMC

113 COMANCHE ROAD

FORT MEADE, SD 57741

BILLINGS, MT 59101

LACEY, WA 98503

360.318.7095

STRUCTURAL

TELECOMMUNICATIONS

4317 6Th AVE SE, SUITE 300

406.248.2633

I LIMITED TO THE FOLLOWING INFR JPGRADE, POWER [NORMAL, EMERG , ASSESS FOR NEW AND UPGRADES OF EXISTING SPACE (DEMO, NEW C W DATA OUTLETS, PATCH PANELS, I CURITY UPGRADES, ASSESS AND U N BUILDINGS AND BETWEEN BUILDIN ON INCLUDE: BUILDINGS 40, 46, 48, 5	GENCY]), BONDING, S TO EXISTING HVAC, ONSTRUCTION, UPGRADE TO CAT 6A IPGRADE FIBER NGS, HAZARDOUS	
GOVERNMENT - DEPARTMENT OF ' UMENTS AS IF SINGULAR IN NUMBE G OFFICER'S AUTHORIZED REPRES ER'S AUTHORIZED REPRESENTATIV	R. THE TERM "OWNER" ENTATIVE.	
NERAL CONTRACTOR AND OWNER CONTRACTING OFFICER ACTING WIT CTING OFFICER. RUCTION AND SERVICES REQUIRE COMPLETED, AND INCLUDES ALL O BY THE CONTRACTOR TO FULFILL T IOLE OR A PART OF THE PROJECT.	. THE TERM INCLUDES THIN THE LIMITS OF D BY THE CONTRACT DTHER LABOR,	
I THE WORK PERFORMED UNDER T	HE CONTRACT B	
E GRAPHIC AND PICTORIAL PORTIO R ISSUED, SHOWING DESIGN, LOCA (ATIONS, SECTIONS, DETAILS, SCHE ANS THE ON-SITE SUPERVISION RE	TION AND DIMENSIONS EDULES AND DIAGRAMS.	
ARCHITECTS, ENGINEERS AND OTH ND REFERRED THROUGHOUT THE I	HER DESIGN AND	
ANS THE ENTITY UNDER CONTRAC D GENERAL AND OR SPECIALTY WC		
IG ALL MATERIALS, SHOP DRAWING HIPPING, HANDLING, PACKAGING, S OTHER ACCESSORIES REQUIRED	TORAGE, TOUCH-UP FOR A COMPLETE	
TING ALL WORK AND COSTS ASSOC ORTS, SLEEVES, SCAFFOLDING, CO RING, INSTALLATION, CUTTING AND TATION, PROTECTION OF SCOPE OF FOR A COMPLETE INSTALLATION.	ORDINATION, LAYOUT, PATCHING,	
FURNISH AND INSTALL AND SHALL	,	
ANS ITEMS WILL BE ORDERED, PAIL		-
LS OR EQUIPMENT NOT IN THE CON FUTURE INSTALLATION AS SPECIFIC IN THE DRAWINGS AND SPECIFICATI	C OR SHOWN. ONS CAN BE FOUND IN	
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OVED FOR LONGER THAN ONE WO		
OVED, COORDINATE INSTALLATION OF SPRINKLER PROTECTION.	N OF UPRIGHT	
ENGINEER, PROJECT LEAD GDM - PUGET SOUND DISTRICT C	DFFICE	
4317 6 Th AVE SE, SUITE 300 LACEY, WA 98503 360.318.7095 MECHANICAL ENGINEER GDM - PUGET SOUND DISTRICT C 4317 6 Th AVE SE, SUITE 300	OFFICE	
LACEY, WA 98503 360.318.7095 ELECTRICAL ENGINEER GDM - VANCOUVER DISTRICT OF		_
1308 NW 134TH STREET, SUITE A VANCOUVER, WA 98685 541.436.4723 CIVIL ENGINEER		
GDM - VANCOUVER DISTRICT OF 1308 NW 134TH STREET, SUITE A VANCOUVER, WA 98685 541.436.4723		
INDUSTRIAL HYGIENE GDM - ARCTIC DISTRICT OFFICE 1401 W 34TH AVE, SUITE 200 ANCHORAGE, ALASKA 99503 907.917.2957		
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	GEN INFO RAWING NUMBER	
SOUTH DAKOTA CHECKED BY PSS JPR	00-GI-000.V3	

		DRAWI					
		VOLUME 1		VOLUME 1	(Continued)	VOLUME	2
		GENERAL INFO		ARCHITECTUR	AL (Continued)	GENERAL INF	
			OVER AND PROJECT GENERAL INFORMATION - VOLUME 1	SHEET NO. S 146-AE-301 1	SHEET NAME 46-ENLARGED PLANS AND ELEVATIONS		SHEET NAME COVER AND PROJECT GENERAL INFORMATION - VOLUME 2
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		CU0300 CU0301	CIVIL - PRIMARY FIBER OPTICS PROFILES CIVIL - PRIMARY FIBER OPTICS PROFILES	046-MD-011 046-MH-011 048-MD-011	046 - MECHANICAL DEMOLITION - OVERALL 046 - MECHANICAL REMODEL - OVERALL 048 - MECHANICAL DEMOLITION - OVERALL	053-TD-021 053-TN-0B0	053 - TELECOM DEMOLITION PLAN - SECOND FLOOR AND ATT 053 - TELECOM DISTANCE ASSESSMENT
		CU0302 CU0303	CIVIL - PRIMARY FIBER OPTICS PROFILES CIVIL - PRIMARY FIBER OPTICS PROFILES	048-MH-011 050-MD-011	048 - MECHANICAL DEMOLITION - OVERALL 048 - MECHANICAL REMODEL - OVERALL 050 - MECHANICAL DEMOLITION - OVERALL	053-TN-0B1 053-TN-021	053 - TELECOM REMODEL PLAN - BASEMENT AND FIRST FLOO 053 - TELECOM REMODEL PLAN - SECOND FLOOR
		CU0304 CU0305	CIVIL - PRIMARY FIBER OPTICS PROFILES CIVIL - PRIMARY FIBER OPTICS PROFILES	050-MD-011 050-MH-011 053-MD-011	050 - MECHANICAL DEMOLITION - OVERALL 050 - MECHANICAL REMODEL - OVERALL 053 - MECHANICAL DEMOLITION - OVERALL	088-TD-011 088-TN-010	088 - TELECOM DEMOLITION PLAN 088 - TELECOM DISTANCE ASSESSMENT
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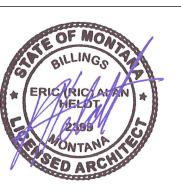


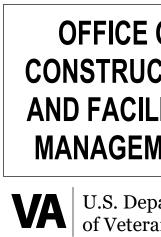
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TELECOMMUNICATIONS (Continued) ELECTRICAL (Continued) SHEET NO. SHEET NAME 145-EJ-001 BUILDING 145 ELECTRICAL ONE-LINE DIAGRAM T171-TD-011 T171 - TELECOM DEMOLITION PLAN - FIRST FLOOR 145-EJ-002 BUILDING 145 ELECTRICAL ONE-LINE DIAGRAM BUILDING 145 ELECTRICAL PANEL SCHEDULES T171-TN-010 T171 - TELECOM DISTANCE ASSESSMENT 145-EJ-003 T171-TN-011 T171 - TELECOM REMODEL PLAN - FIRST FLOOR 145-EJ-004 BUILDING 145 ELECTRICAL PANEL SCHEDULES T296-TD-011 T296 - TELECOM DEMOLITION PLANS 146-EJ-001 BUILDING 146 ELECTRICAL ONE-LINE DIAGRAM & PANEL SCHED T296-TN-010 T296 - TELECOM DISTANCE ASSESSMENT 147-EJ-001 BUILDING 145 ELECTRICAL ONE-LINE DIAGRAM & PANEL SCHED T296-TN-011 T296 - TELECOM REMODEL PLANS 148-EJ-001 BUILDING 148 ELECTRICAL ONE-LINE-DIAGRAM & PANEL SCHED TJ-001 EXISTING TELECOMM RACK ELEVATIONS T171-EJ-001 BUILDING T171 ELECTRICAL ONE-LINE-DIAGRAM & PANEL SCHED T296-EJ-001 BUILDING T296 ELECTRICAL ONE-LINE DIAGRAM & PANEL SCHED TJ-002 EXISTING TELECOMM RACK ELEVATIONS TJ-003 EXISTING TELECOMM RACK ELEVATIONS TJ-004 FIRE PROTECTION TELECOMM CABLE DEMOLITION SCHEDULES TJ-005 TELECOMM CABLE DEMOLITION SCHEDULES TELECOMM CABLE DEMOLITION SCHEDULES TJ-006 SHEET NO. SHEET NAME TJ-007 TELECOMM CABLE DEMOLITION SCHEDULES 00-FP-001

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(Continued)

VOLUME 3

00-FP-002

MCR-FP-101

MCR-FP-103

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(Continued)

TELECOMM CABLE DEMOLITION SCHEDULES

TELECOMM CABLE DEMOLITION SCHEDULES

TELECOMM CABLE DEMOLITION SCHEDULES

TELECOMM CABINET ELEVATIONS - HDA

TELECOMM CABINET ELEVATIONS - MDA and ER

FIBER ONE LINE DIAGRAM

TELECOMM DETAILS

TELECOMM DETAILS

TELECOMM DETAILS

COPPER ONE LINE DIAGRAM

MCR MDA HDA CABLE ONE LINE

TELECOMM MCR CABINET DETAILS

TELECOMM J-HOOK DETAILS

7

VOLUME 2

TJ-008

TJ-009

TJ-010

TJ-011

TJ-012

TJ-013

TJ-014

TJ-015

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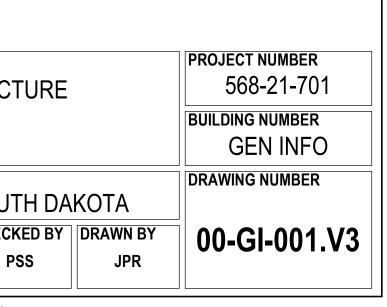
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FIRE PROTECTION GENERAL GDM NOTES, DIAGRAM, AND LEGEND FIRE EXTINGUISHER SIGNAGE REQUIREMENTS MCR FIRE ALARM FLOOR PLAN

MCR-FP-102 FIRE BARRIER PLAN – MCR FIRE SPRINKLER HAZARD CLASSIFICATION PLAN – MCR MCR-FP-104 CLEAN AGENT PLAN - MCR

MCR-FP-105 HYDRANT FLOW TEST INFORMATION



		FEEDER	SCHEDUL	E
1	1¢,2W+G (3 WIRES TOTAL)	1		3¢, 4W+G (5 WIRES TOTAL)
CKT ID	RACEWAY/WIRE	СКТ	CKT ID	CONDUIT AND WIRE
[12-20]	3/4"C, 2#12, #12G	20	[34-20]	3/4"C, 4#12, #12G
[12-30]	3/4"C, 2#10, #10G	30	[34-20N]	3/4"C, 3#12, 1#10N, #12G
[12-40]	3/4"C, 2#8, #10G	40	[34-30]	3/4"C, 4#10, #10G
[12-50]	3/4"C, 2#6, #10G	50	[34-30N]	3/4"C, 3#10, 1#8N, #10G
[12-60]	1"C, 2#4, #10G	60	[34-40]	1"C, 4#8, #10G
[12-70]	1"C, 2#4, #8G	70	[34-50]	1"C, 4#6, #10G
[12-80]	1-1/4"C, 2#2, #8G	80	[34-60]	1-1/4"C, 4#4, #10G
[12-90]	1-1/4"C, 2#2, #8G	90	[34-60N]	1-1/4"C, 3#4, 1#3N, #10G
[12-100]	1-1/4"C, 2#1, #8G	100	[34-70]	1-1/4"C, 4#4, #8G
[12-125]	1-1/4"C, 2#1, #6G	125	[34-80]	1-1/2"C, 4#2, #8G
[12-150]	1-1/4"C, 2#1/0, #6G	150	[34-90]	1-1/2"C, 4#2, #8G
[12-175]	1-1/2"C, 2#2/0, #6G	175	[34-100]	2"C, 4#1, #8G
[12-200]	1-1/2"C, 2#3/0, #6G	200	[34-100]	2"C, 3#1, 1#1/0N, #8G
[12-225]	2"C, 2#4/0, #4G	200	[34-125]	2"C, 4#1, #6G
	2-1/2"C, 2-250KCM, #4G	250		2"C, 4#1/0, #6G
[12-250]			[34-150]	
[12-300]	2-1/2"C, 2-350KCM, #4G	300	[34-150N]	2"C, 3#1/0, 1#2/0N, #6G
[12-400]	2-SETS [2"C, 2#3/0, #3G]	400	[34-175]	2"C, 4#2/0, #6G
	1¢, 3W+G (4 WIRES TOTAL)	400	[34-200]	2"C, 4#3/0, #6G
[13-100]	2"C, 4#1, #8G	100	[34-200N]	2-1/2"C, 3#3/0, 1#4/0N, #6G
[13-100N]	2"C, 3#1, 1#1/0N, #8G	100	[34-225]	2-1/2"C, 4#4/0, #4G
[13-150]	2"C, 4#1/0, #6G	150	[34-250]	3"C, 4-250KCM, #4G
[13-150N]	2"C, 3#1/0, 1#2/0N, #6G	150	[34-300]	3"C, 4-350KCM, #4G
[13-200]	2"C, 4#3/0, #6G	200	[34-400]	2-SETS [2-1/2"C, 4#3/0, #3G]
[13-200N]	2-1/2"C, 3#3/0, 1#4/0N, #6G	200	[34-400N]	2-SETS [2-1/2"C, 3#3/0, 1#4/0N, #30
			[34-500]	2-SETS [3"C, 4-250KCM, #2G]
			[34-600]	2-SETS [3"C, 4-350KCM, #1G]
			[34-700]	2-SETS [4"C, 4-500KCM, #1/0G]
			[34-800]	3-SETS [3"C, 4-300KCM, #1/0G]
	3φ, 3W+G (4 WIRES TOTAL)		[34-1000]	3-SETS [4"C, 4-500KCM, #2/0G]
CKT ID	CONDUIT AND WIRE	CKT	[34-1200]	4-SETS [3"C, 4-350KCM, #3/0G]
[33-20]	3/4"C, 3#12, #12G	20	[34-1600]	4-SETS [4"C, 4-600KCM, #4/0G]
[33-30]	3/4"C, 3#10, #10G	30	[34-2000]	5-SETS [4"C, 4-600KCM, 250KCM G
[33-40]	3/4"C, 3#8, #10G	40		$V\Delta$, 3¢, TRANSFORMER PRIMARY (3)
[33-50]	1"C, 3#6, #10G	50	CKT ID	CONDUIT AND WIRE
[33-60]	1"C, 3#4, #10G	60	[15H]	3/4"C, 3#10, #10G
[33-70]	1-1/4"C, 3#4, #8G	70	[30H]	1"C, 3#4, #10G
[33-80]	1-1/4"C, 3#2, #8G	80	[45H]	1-1/2"C, 3#1, #8G
[33-90]	1-1/4"C, 3#2, #8G	90	[75H]	1-1/2"C, 3#1/0, #6G
[33-100]	1-1/2"C, 3#1, #8G	100	[112H]	2"C, 3#3/0, #6G
[33-125]	1-1/2"C, 3#1, #6G	125	[150H]	2-1/2"C, 3-250KCM, #4G
[33-150]	1-1/2"C, 3#1/0, #6G	150	[225H]	2-SETS [2"C, 3#3/0, #3G]
[33-175]	2"C, 3#2/0, #6G	175	[300H]	2-SETS [3"C, 3-350KCM, #1G]
100 0001	2"C, 3#3/0, #6G	200	[500H]	3-SETS [3"C, 3-300KCM, #1/0G]
[33-200]	0110 0414/0 440	225	208Y/1	20V, 3ø, TRANSFORMER SECONDARY
[33-200]	2"C, 3#4/0, #4G			CONDUIT AND WIRE
	2°C, 3#4/0, #4G 2-1/2"C, 3-250KCM, #4G	250	CKT ID	CONDULT AND WILL
[33-225] [33-250] [33-300]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G	250 300	CKTID [15L]	1-1/4"C, 4#4, #10G
[33-225] [33-250]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G 2-SETS [2"C, 3#3/0, #3G]			1-1/4"C, 4#4, #10G 2"C, 4#1, #6G
[33-225] [33-250] [33-300]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G	300	[15L]	1-1/4"C, 4#4, #10G
[33-225] [33-250] [33-300] [33-400] [33-500]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G 2-SETS [2"C, 3#3/0, #3G]	300 400	[15L] [30L] [45L]	1-1/4"C, 4#4, #10G 2"C, 4#1, #6G
[33-225] [33-250] [33-300] [33-400] [33-500] [33-600]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G 2-SETS [2"C, 3#3/0, #3G] 2-SETS [2-1/2"C, 3-250KCM, #2G] 2-SETS [3"C, 3-350KCM, #1G]	300 400 500	[15L] [30L] [45L] [75L]	1-1/4"C, 4#4, #10G 2"C, 4#1, #6G 2"C, 4#1/0, #6G 2-1/2"C, 4#4/0, #2G
[33-225] [33-250] [33-300] [33-400] [33-500] [33-600] [33-700]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G 2-SETS [2"C, 3#3/0, #3G] 2-SETS [2-1/2"C, 3-250KCM, #2G] 2-SETS [3"C, 3-350KCM, #1G] 2-SETS [3"C, 3-500KCM, #1/0G]	300 400 500 600 700	[15L] [30L] [45L] [75L] [112L]	1-1/4"C, 4#4, #10G 2"C, 4#1, #6G 2"C, 4#1/0, #6G 2-1/2"C, 4#4/0, #2G 2-SETS [2-1/2"C, 4#3/0, #1/0G]
[33-225] [33-250] [33-300] [33-400] [33-500] [33-600] [33-700] [33-800]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G 2-SETS [2"C, 3#3/0, #3G] 2-SETS [2-1/2"C, 3-250KCM, #2G] 2-SETS [3"C, 3-350KCM, #1G] 2-SETS [3"C, 3-500KCM, #1/0G] 3-SETS [3"C, 3-300KCM, #1/0G]	300 400 500 600 700 800	[15L] [30L] [45L] [75L] [112L] [150L]	1-1/4"C, 4#4, #10G 2"C, 4#1, #6G 2"C, 4#1/0, #6G 2-1/2"C, 4#4/0, #2G 2-SETS [2-1/2"C, 4#3/0, #1/0G] 2-SETS [3"C, 4-350KCM, #2/0G]
[33-225] [33-250] [33-300] [33-400] [33-500] [33-600] [33-700] [33-700] [33-800] [33-1000]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G 2-SETS [2"C, 3#3/0, #3G] 2-SETS [2-1/2"C, 3-250KCM, #2G] 2-SETS [3"C, 3-350KCM, #1G] 2-SETS [3"C, 3-500KCM, #1/0G] 3-SETS [3"C, 3-500KCM, #2/0G]	300 400 500 600 700 800 1000	[15L] [30L] [45L] [75L] [112L] [150L] [225L]	1-1/4"C, 4#4, #10G 2"C, 4#1, #6G 2"C, 4#1/0, #6G 2-1/2"C, 4#4/0, #2G 2-SETS [2-1/2"C, 4#3/0, #1/0G] 2-SETS [3"C, 4-350KCM, #2/0G] 3-SETS [3"C, 4-300KCM, #2/0G]
[33-225] [33-250] [33-300] [33-400] [33-500] [33-600] [33-700] [33-800]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G 2-SETS [2"C, 3#3/0, #3G] 2-SETS [2-1/2"C, 3-250KCM, #2G] 2-SETS [3"C, 3-350KCM, #1G] 2-SETS [3"C, 3-500KCM, #1/0G] 3-SETS [3"C, 3-300KCM, #1/0G]	300 400 500 600 700 800	[15L] [30L] [45L] [75L] [112L] [150L]	1-1/4"C, 4#4, #10G 2"C, 4#1, #6G 2"C, 4#1/0, #6G 2-1/2"C, 4#4/0, #2G 2-SETS [2-1/2"C, 4#3/0, #1/0G] 2-SETS [3"C, 4-350KCM, #2/0G]

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Revisions:	Date:	
		ELECTRICAL ENGINEER
		GDM
		1308 NE 134TH ST SUITE A
		VANCOUVER, WA 98685 541.436.4723
		MICHAEL REBSTOCK, PE

FORM	08 - 6231	1

Immun EQUIPMENT CALLOUT. ACP ACCESSIBLE CARD PATH ON LEGEND. MOME RIN ADA AMERICAN DISABILITY ACT ADA AMERICAN DISABILITY ACT 2. ALL FLUSH MOUNT EQUIPMENT, CABINETS, AND PANELBOARDS SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR 2. ONDUIT CONCEALED IN GROUND OR FLOOR ACF ARC FAULT CURRENT COMPLETE INSTALLATION. 2. ALL FLUSH MOUNT TRIM KIT FOR 2. ALL FLUSH MOUNT TRIM KIT FOR 2. COMPLETE INSTALLATION. 2. ALL FLUSH MOUNT TRIM KIT FOR 2. ALL FLUSH MOUNT TRIM KIT FOR 2. COMPLETE INSTALLATION. 2. ALL FLUSH MOUNT TRIM KIT FOR 2. COMPLETE INSTALLATION. 2. ALL FLUSH MOUNT TRIM KIT FOR 2. COMPLETE INSTALLATION. COMPLETE INSTALLATION. 2. COMPLETE INSTALLATION.	CONTRACTOR SHALL BE RESP RETURN FURNITURE, FIXTURE REQUIRED TO COMPLETE EAC OR SECURE, PHI, PPI, AND PEI WORK WITH THE COR. PARTICULAR ATTENTION SHAL EXISTING STRUCTURE AND FIN EXISTING FINISHES. ANY ACCI EXISTING CONDITIONS WILL B CONTRACTOR TO REPAIR OR
ADA AMERICAN DISABILITY ACT ADA AMFRIAM ADA AMFRIAM CONDUIT CONCEALED IN GROUND OF FLOOR AFC CONDUIT CONCEALED IN GROUND OF FLOOR AFC CONDUIT CONCEALED IN CELING OR WALL AFC CONDUIT UP AG CONDUIT UP ATS CONDUCT OWN ATS CONDUCT ONECTION, SEE EQUIPMENT AL ALL FLUES OR SPECTAC AL MID TRIP CONDUCT UP ATS CONDUCT ON ATS CONDUCT ONECTION, SEE EQUIPMENT AL ALL FLUES ON SPECTAC BONDING CONDUCTOR FOR TLECOMMUNICATIONS REQUIREMENTS BCT SPECIAL FUMPOSE RECEPTAGLE CONDUIT SPECIAL FUMPOSE RECEPTAGLE CONDUIT CONNECTION CONDUITS CONNECTION COX CONDUITS CONNECTION COX CONDUITS CONNECTION COX CONDUTTE CONNECTION CX	REQUIRED TO COMPLETE EAC OR SECURE, PHI, PPI, AND PEI WORK WITH THE COR. PARTICULAR ATTENTION SHAL EXISTING STRUCTURE AND FIL EXISTING FINISHES. ANY ACCI EXISTING CONDITIONS WILL B
Conduit Concealed in ground or FLOOR AFC AVAILABLE FAULT CURRENT SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR CONDUIT CONCEALED IN GRUIND OR FLOOR SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR COMDUIT CONCEALED IN GRUIND OR WALL AFC AVAILABLE FAULT CURRENT SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR COMPLETE INSTALLATION. CONDUIT CONCEALED IN GRUIND OR WALL AFC AVAILABLE FAULT CURRENT SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR COMPLETE INSTALLATION. SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR COMPLETE INSTALLATION. CONDUIT UP AT AMP TRIP INSTALLATION OF ELECTRICAL DEVICES PENETRATING INTO OR THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SUCH THAT CONNECTION SCHEDULES FOR SPECIFIC BCT BONDING CONDUCTOR FOR TLECOMMUNICATIONS THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SUCH THAT THE FIRE RATING OF THE WALL IS MAINTAINED. SPECIAL PURPOSE RECEPTACLE C C ONDUIT BONDING CONDUCTOR FOR TLECOMMUNICATIONS 4. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE COCATIONS, FIELD VERIFY EXACT DEVICE, EQUIPMENT CONNECTION 4. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE COCATIONS, FIELD VERIFY EXACT DEVICE, EQUIPMENT COMPLETE INSTALLATION. 23. C SPECIAL EQUIPMENT CONNECTION COM COMMUNICATION 5. BRANCH CIRCUIT HOME RUNS ARE NOT INDICATED WITH NUMBER OF CONDUCTORS/ WIRES ARE NOT INDICATED WITH NUMBER OF CONDUCTORS/ WIRES ARE NOT INDICATED 23. C APLEX RECEPTACLE GROUND. COMM COMMUNICATION 5. BRANCH CIRCUIT HOME RUNS ARE NOT INDICATED WITH NUMBER OF CONDUCTORS/ WIRES AR REQUIRED FOR COMPLETE OPERATION OF ALL DEVICES AND EQUIPMENT INDICATED. 5. BRANCH	WORK WITH THE COR. PARTICULAR ATTENTION SHAL EXISTING STRUCTURE AND FIL EXISTING FINISHES. ANY ACCI EXISTING CONDITIONS WILL B
CONDUIT CONCEALED IN CELLING OR WALL AFF ABOVE FINISHED FLOOR 3. PROVIDE ALL MATERIAL AND LABOR RELATED TO THE 22. CONDUIT DOWN AT AMP TRIP INSTALLATION OF ELECTRICAL DEVICES PENETRATING INTO OR 1. CONDUIT UP ATS AUTOMATIC TRANSFER SWITCH THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SUCH THAT THE FIRE RATING OF THE WALL IS MAINTAINED. 2. CONDUITENT CONNECTION SCHEDULES FOR SPECIFIC REQUIPMENT AL ALUMINUM THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SUCH THAT THE FIRE RATING OF THE WALL IS MAINTAINED. 2. CONDUITENT CONNECTION SCHEDULES FOR SPECIFIC BKR BREAKER 4. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE 2. CONDUIT SPECIAL PURPOSE RECEPTACLE C CONDUIT CONDUCTOR FOR TLECOMMUNICATIONS 4. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE 2. CONTER, E = EMERGENCY, IG = ISOLATED GROUND. CKT CICCUIT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S 2. MA PUPLEX RECEPTACLE CONMUNICATION COMMIC CONMUNICATION SERTATIVE FOR PROPER INSTALLATION. 2. MA PUPLEX RECEPTACLE CONTROL (CONTROL ON THE CONTROL ON COMMUNICATION SERTATIVE FOR PROPER INSTALLATION. 2. MA <td>EXISTING STRUCTURE AND FII EXISTING FINISHES. ANY ACCI EXISTING CONDITIONS WILL B</td>	EXISTING STRUCTURE AND FII EXISTING FINISHES. ANY ACCI EXISTING CONDITIONS WILL B
CONDUIT DOWN AG ABOVE GROUND 3. PROVIDE ALL MATERIAL AND LABOR RELATED TO THE 22. CONDUIT UP AT AMP TRIP INSTALLATION OF ELECTRICAL DEVICES PENETRATING INTO OR 10.00000000000000000000000000000000000	EXISTING STRUCTURE AND FII EXISTING FINISHES. ANY ACCI EXISTING CONDITIONS WILL B
CONDUIT UP ATS AUTOMATIC TRANSFER SWITCH THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SUCH THAT Image: Connection schedules for specific connecticon schedules for specific connecticon schedules for spe	EXISTING FINISHES. ANY ACCI EXISTING CONDITIONS WILL B
CONNECTION SCHEDULES FOR SPECIFIC REQUIREMENTS. ALC MINUM ALC MINUM Infer FIRE RATING OF THE WALL IS MAINTAINED. REQUIREMENTS. BCT BONDING CONDUCTOR FOR TLECOMMUNICATIONS BCT BONDING CONDUCTOR FOR TLECOMMUNICATIONS 4. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE LOCATIONS. FIELD VERIFY EXACT DEVICE, EQUIPMENT 23. Convertion Schedules for specific REQUIREMENTS. CC CONDUIT LOCATIONS. FIELD VERIFY EXACT DEVICE, EQUIPMENT 23. Convertion Schedules for specific Requirements. CC CONDUIT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S CONTRER. = EMERGENCY, IG = ISOLATED GROUND. COMM COMMUNICATION EPRESENTATIVE FOR PROPER INSTALLATION. 23. COMM COMMUNICATION COMM COMMUNICATION COMM COMMUNICATION EPRESENTATIVE FOR PROPER INSTALLATION. 23. A PLEX RECEPTACLE CTRL CONTROL COMM COMMUNICATION COMM COMMUNICATION EPRESENTATIVE FOR PROPER INSTALLATION. 23. A PLEX RECEPTACLE, GECI TYPE, A = ABOVE CU COPPER CU COPPER NUMBER OF CONDUCTORS/ WIRES. PROVIDE ALL BRANCH 10. COUNTER, E = EMERGENCY, IG = ISOLATED GROUND. (E) EXISTING CIRCUIT CONDUCTORS/ WIRES AS REQUIRED FOR COMPLETE 10. A PLEX RECEPTACLE, A = ABOVE COUNTER EC, E.C. ELECTRICAL CONTRACTOR PREVISE AND EQUIPMENT INDICATED.	
Image: Special powpose receptance C CONDUIT LOCATIONS. FIELD VERIFY EXACT DEVICE, EQUIPMENT 23. Image: Special Equipment Connection CKT CIRCUIT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S 23. Image: Special Equipment Connection CKT CIRCUIT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S 23. Image: Special Equipment Connection CKT CIRCUIT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S 23. Image: Special Equipment Connection CKT CIRCUIT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S 23. Image: Special Equipment Connection CKT CIRCUIT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S 23. Image: Special Equipment Connection CO CONDUIT AND PULL-ROPE ONLY REPRESENTATIVE FOR PROPER INSTALLATION. 23. Image: Counter, E = EMERGENCY, IG = ISOLATED GROUND. COM COMMUNICATION Special Equipment on the counter of the	
Image: Special Equipment CONNECTION CKT CIRCUIT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S Image: All Acceptable, GFCI TYPE, A = ABOVE COUNTER, E = EMERGENCY, IG = ISOLATED GROUND. CO CONDUIT AND PULL-ROPE ONLY REPRESENTATIVE FOR PROPER INSTALLATION. Image: All Acceptable, GFCI TYPE, A = ABOVE COUNTER, E = EMERGENCY, IG = ISOLATED GROUND. CTRL CONTROL 5. BRANCH CIRCUIT HOME RUNS ARE NOT INDICATED WITH Image: All Acceptable, GFCI TYPE, A = ABOVE COUNTER, E = EMERGENCY, IG = ISOLATED GROUND. CU COPPER NUMBER OF CONDUCTORS/ WIRES. PROVIDE ALL BRANCH Image: All Acceptable, GFCI TYPE, A = ABOVE COUNTER, E = EMERGENCY, IG = ISOLATED GROUND. ELEC ELECTRICAL CONTRACTOR OPERATION OF ALL DEVICES AND EQUIPMENT INDICATED. Image: All Acceptable, Isolated GROUND TYPE, A = ABOVE COUNTER, E = EMERGENCY ELEC ELECTRICAL EMERGENCY ELEC ELECTRICAL EMERGENCY OPERATION OF ALL DEVICES AND EQUIPMENT INDICATED.	COORDINATE ALL ELECTRICAL
 COUNTER, E = EMERGENCY, IG = ISOLATED GROUND. COMM COMMUNICATION 	INSURE PROPER AND ADEQUA THE WORK SHOWN ON THESE
A 4 PLEX RECEPTACLE, GFCI TYPE, A = ABOVE COUNTER, E = EMERGENCY, IG = ISOLATED GROUND. CU COPPER NUMBER OF CONDUCTORS/ WIRES. PROVIDE ALL BRANCH CIRCUIT CONDUCTORS/ WIRES AS REQUIRED FOR COMPLETE Image: Main and the sector of	PROVIDE COORDINATED SHOP
Image: Construction of the construc	FABRICATION AND INSTALLAT
DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, A = ABOVE COUNTER, E = EMERGENCY EMERGENCY EMERGENCY EMERGENCY	
FLUSH FLOOR BOX WITH DEVICES AS INDICATED EQUIPMENT CONTROL EQUIPMENT SCHEDULES FOR WIRING	
FLUSH FLOOR BOX WITH DEVICES AS INDICATED (F) FUTURE (F) FUTURE FA FIRE ALARM (F) FIRE ALARM	
Image: Disconnect switch CODE SIZED JUNCTION BOX WITH COVER PLATE FDR FEEDER 7. PROVIDE ALL WIRING TO PANELS AND POWER DISTRIBUTION Image: Disconnect switch G, GND GROUND FOR FEEDER FOR FEEDER FOR FEEDER Image: Disconnect switch G, GND GROUND GROUND FOR FEEDER FOR FEEDER Image: Disconnect switch G, GND GROUND GROUND FOR FEEDER FOR FEEDER	
GC, G.C. GENERAL CONTRACTOR	
LIGHTING OR POWER PANEL IDF INTERMEDIATE DISTRIBUTION FRAME AS REQUIRED FOR FULL OPERATION OF ALL OWNER FURNISHED,	
KIRK KEY INTERLOCK J-BOX JUNCTION BOX CONTRACTOR INSTALLED EQUIPMENT. SEE ARCHITECTURAL LCP LIGHTING CONTROL PANEL DRAWINGS TO VERIFY LOCATIONS.	
GAP GENERATOR ANNUNCIATOR PANEL LIU LINE INTERFACE UNIT	
MOTOR CONNECTION LTS LIGHTS GENERAL CONTRACTOR. SEE PAINTING SPECIFICATIONS FOR	
\$ SINGLE-POLE SWITCH LV LV LOW-VOLTAGE SWITCH REQUIREMENTS. \$ LOW-VOLTAGE SWITCH MH MANHOLE MH MANHOLE	
MM MULTI-MODE 10. PROVIDE SEPARATE NEUTRALS FOR ALL BRANCH CIRCUITS.	
LIGHT FIXTURE, SEE SCHEDULE FOR TYPE NEC NATIONAL ELECTRICAL CODE 11. WIRING SYSTEMS SHALL BE CONCEALED WHERE POSSIBLE, OC ON-CENTER EXCEPT IN ELECTRICAL ROOM, MECHANICAL ROOM, AND UTILITY	
LIGHT FIXTURE, SEE SCHEDULE FOR TYPE OFCI OWNER-FURNISHED CONTRACTOR-INSTALLED AREAS, OR AS OTHERWISE NOTED.	
CEILING STRIP LIGHT FIXTURE, SEE SCHEDULE FOR TYPE OFOI OWNER-FURNISHED OWNER-INSTALLED OL OVERLOAD 12. PROVIDE SURFACE METAL RACEWAY AS WIRING METHOD	
LIGHT FIXTURE, SHADING INDICATES EMERGENCY BATTERY BACKUP P POLE WALL MOUNTED LIGHT SET SOLUTION PB POLE PB PULLBOX, PUSHBUTTON WHERE OUTLETS AND WIRING CANNOT BE CONCEALED.	
WALL MOUNTED LIGHT, SEE SCHEDULE FOR TYPE POS POINT OF SERVICE No POS POINT OF SERVICE No EXIT LIGHT, SHADING INDICATES SIGN DIRECTION PRI PRI PRIMARY PRIMARY 13. EXTERIOR MOUNTED ELECTRICAL DEVICES (SUCH AS DISCONNECT SWITCH, STARTER, SPEAKER, FIRE ALARM HORN,	
EXIT LIGHT WITH ARROWS, SHADING INDICATES SIGN DIRECTION (G) REVISED	
SITE PLAN OVERHEAD POWER LINE REF REFERENCE, REFRIGERATOR SEC SEC ONDARY 14. PROVIDE CONDUIT AND WIRE FROM ALL HVAC UNITS 2000 CFM	
SW SWITCH SWITCH SWITCH 15. PROVIDE TEMPORARY POWER FOR CONSTRUCTION.	
P SITE PLAN POWER POLE TC TELECOMMUNICATION GENERATOR SET; CONNECTION TO UTILITIES COMPANY'S	
AUTOMATIC TRANSFER SWITCH TGB TELECOMMUNICATIONS BUS BAR POWER POLE OR EXISTING FACILITY'S ELECTRICAL SYSTEM.	
GGENERATORTHRU THROUGH16.VERIFY WITH CABINET INSTALLER FOR ALL CABINET(TYP) TYPICALLOCATIONS, DIMENSIONS, AND COUNTER HEIGHTS PRIOR TO	
Image: Comparison of the second s	
VLT VAULT BACKSPLASH, AS DIRECTED OR INDICATED IN SPECIFICATIONS.	
W WIRE, WATT VERIFY HEIGHT WITH OWNER'S REPRESENTATIVE OF ANY TELECOMMUNICATIONS OUTLET, WIRELESS ACCESS POINT WP WEATHERPROOF LOCATION THAT CANNOT ACCOMMODATE MOUNTING HEIGHT.	
* TELECOMMUNICATIONS OUTLET, SUBNUMBER=QUANTITY OF DROPS (X) EXISTING TO BE REMOVED (X) EXISTING TO BE REMOVED (X) EXISTING TO BE REMOVED	
▼ TELECOMMUNICATIONS OUTLET, VOICE ONLY INCLUDE EXCAVATION, CUTTING, PATCHING, BACKFILL, AND	
BECURITY SYSTEM CARD READER/KEYPAD STRUCTURAL MEMBERS, OR BUILDING FOUNDATIONS. VERIFY	
EXISTING CONDITIONS PRIOR TO EXCAVATION WORK. INCLUDE	
FLOORBOX. TYPICAL TELECOMM OUTLET IDENTIFIERS: LOCATIONS OF EXISTING COMPONENTS. HAND EXCAVATE IN LOCATIONS WHERE EXISTING UNDERGROUND COMPONENTS	
ARE SUBJECT TO DAMAGE. REPAIR DAMAGE TO EXISTING	
PATCH PANEL LOCATON (RU#) PORT NUMBER XXX-X-XX-PX UTILITIES OR BUILDING STRUCTURE TO OWNER'S SATISFACTION AT THE CONTRACTORS EXPENSE.	
18. ALL ONE-LINE DIAGRAMS AND RACEWAY ROUTING ARE	
EXISTING REQUEST	
BOXES, AND PULLBOXES SHOWN ARE MINIMUM REQUIREMENTS.	
BEAGING STSTEM SPEAKER IN RACEWAY SYSTEMS WHEREVER NECESSARY OR REQUIRED BY	
INERGEN SYSTEM HEAD INERGEN SYSTEM HEAD INERGEN SYSTEM HEAD	
Image: Strain of the provided by the provided b	
EXACT LOCATIONS AND DETAILS OF EXPANSION JOINTS PRIOR	
Image: Comparison of the filter of the fi	
Image: A larm strobe light EXACT LOCATIONS AND DETAILS OF EXPANSION JOINTS PRIOR Image: CAMERA FIRE ALARM STROBE LIGHT Image: CAMERA CAMERA	
Implementation File Alarm Strobe Light End File Alarm Strobe Light End CAMERA	

ARCHITECT/ENGINEER OF RECORD

GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

<u>A/E</u>

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20. PROVIDE ELECTRICAL CONNECTION FOR ALL FAN SPEED SWITCHES. COORDINATE LOCATION OF CONNECTIONS WITH MECHANICAL CONTRACTOR.

E OF UCTION	DRAWING TITLE LEGEND, ABBREVIATIONS, AND GENERAL REQUIREMENTS	PHASE 100% CONSTRUCT DOCUMENTS	ION	PROJECT TITLE EHRM INFRAST UPGRADES	RUCTURE
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RESPONSIBLE TO TEMPORARILY MOVE AND FURES, AND EQUIPMENT WITHIN SPACES AS E EACH DAY'S WORK. THE VA WILL REMOVE, D PERSONAL PROPERTY. COORDINATE THIS

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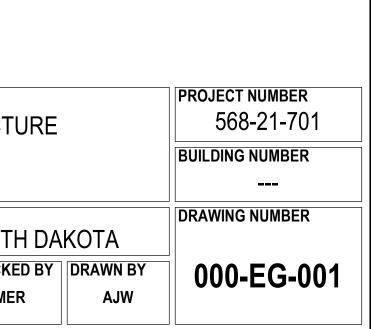
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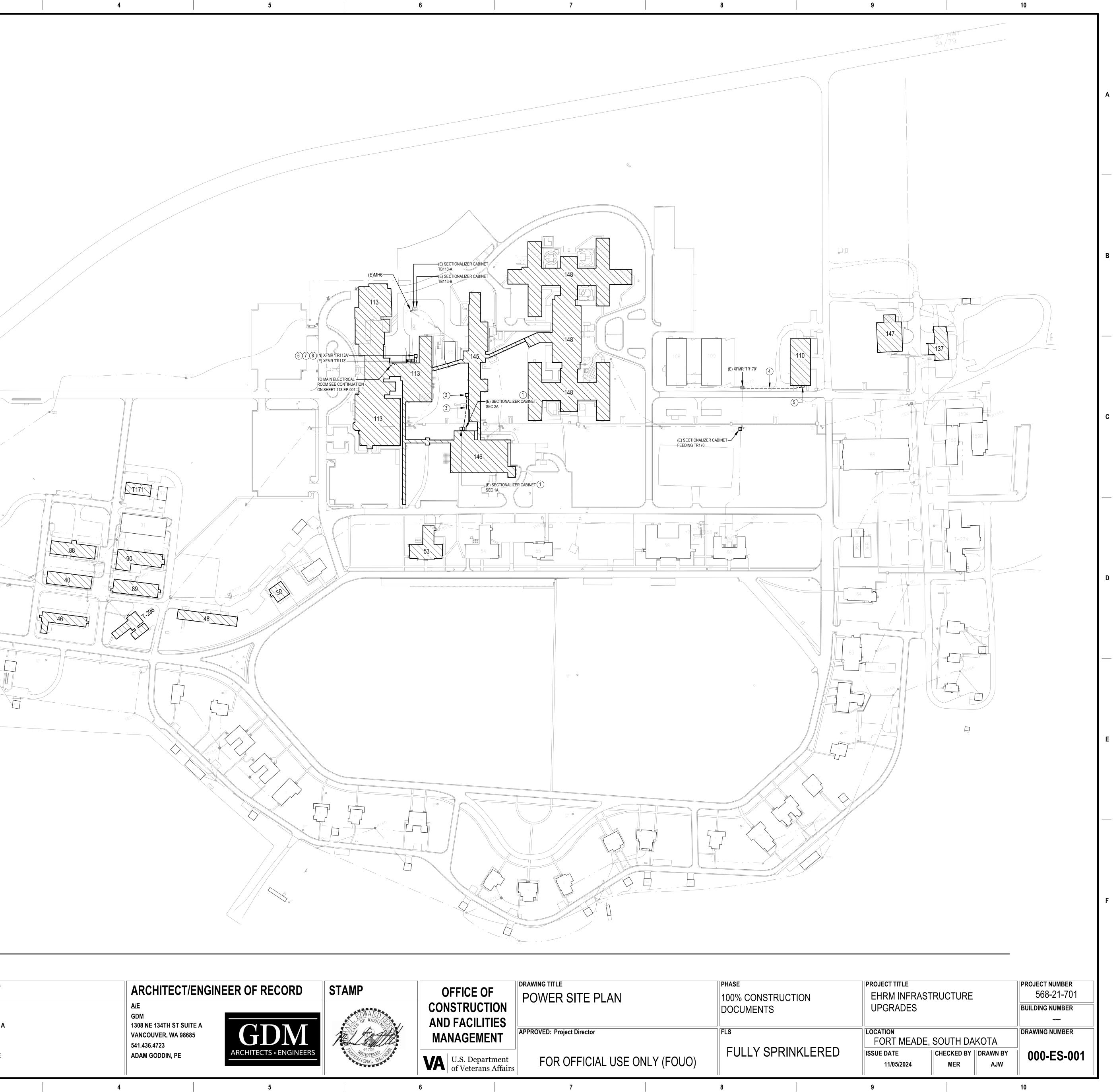
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SHALL BE GIVEN TO THE PROTECTION OF ID FINISHES TO PREVENT ANY DAMAGE OF ACCIDENTAL DAMAGE INCURRED TO ILL BE THE RESPONSIBILITY OF THE COR CORRECT.

RICAL WORK WITH OTHER TRADES TO EQUATE INTERFACE OF THEIR WORK WITH HESE DOCUMENTS. CONTRACTOR SHALL SHOP DRAWINGS FOR APPROVAL PRIOR TO LLATION.



1		2		3
 CORRESPONDING DISCIPLINE'S DR CONTRACTOR SHALL BE RESPONSI FIXTURES, AND EQUIPMENT WITHIN REMOVE OR SECURE PHI, PPI, AND REFER TO ASSOCIATED TN SHEETS REFER TO ELECTRICAL FEEDER SC 	MECHANICAL AND TELECOMMUNICATIONS EQU AWINGS. IBLE FOR TEMOPORARILY MOVING AND RETURI N SPACES AS REQUIRED TO COMPLETE EACH D PERSONALY PROPERTY. COORDINATE THIS W S FOR RACK QUANTITES IN EXISTING AND NEW CHEDULES ON SHEET 000-EG-001 FOR CONDUIT	NING FURNITURE, AYS WORK. THE VA WILL ORK WITH THE COR. TR SPACES.	THIS DRAWING WAS PRODUCED AS-BUILT DRAWINGS AND FIELD MAY NOT REPRESENT AN ACCUR CONDITION. DISCREPANCIES MA AND IT IS THE CONTRACTOR'S RE FIELD VERIFY ALL CONDITIONS.	DBSERVATIONS, AND ATE AS-BUILT Y BE ENCOUNTERED,
FEEDER REQUIREMENTS.				
EXISTING SERVICE SECTIONALIZEF DEMOLISH EXISTING TRANSFORME FROM SEC. CABINETS 'SEC. 1A' & 'S	R PAD, LEAVING EXISTING (2) 4" CONDUITS FOR EC. 2A'. PROVIDE (4) 3" SECONDARY CONDUITS	FROM NEW		
IEW TRANSFORMER PAD AND NEW 45-EJ-001 FOR TRANSFORMER AN IEW SERVICE LOCATION. COORDIN	O NEW SERVICE DISCONNECT '145-ECB-114' IN E V 500 KVA TRANSFORMER. SEE ONE-LINE DIAGF D FEEDER INFORMATION. SEE FLOOR PLAN ON VATE TRANSFORMER PAD WITH CIVIL. ONDUCTORS FROM EXISTING SEC. CABINETS 'S	RAM ON SHEET SHEET 145-EP-011 FOR		
JTILIZING EXISTING 4" CONDUITS. 5 CONTRACTOR TO VERIFY CONDUIT CONDUIT AND CONDUCTORS AS NE	SEE ONE-LINE DIAGRAM ON SHEET 145-EJ-001 F AND CONDUCTOR SIZES CAN SUPPORT A 150A ECESSARY TO FEED NEW 150A SERVICE PANEL NG 100A DISCONNECT WITH NEW 200A DISCONN	OR CONDUCTOR SIZING. A PANEL. UPSIZE		
RATED FUSES. CONTRACTOR TO PROVIDE NEW 50	00KVA, PAD-MOUNTED, TRANSFORMER FOR NE\ T LOCATION OF TRANSFORMER PAD. SEE ONE-I	W TR SERVICE.		
EXISTING TRANSFORMER 'TR113' T 113-EJ-001 FOR FEEDER INFORMAT APPURTENANCES REQUIRED FOR		DIAGRAM ON SHEET ID NECESSARY		
'TR113A' TO NEW DISTRIBUTION BO	ONDUITS FOR SECONDARY FEEDER FROM NEW DARD 'MDP-B' IN MAIN ELECTRICAL ROOM B14B. DF DISTRIBUTION BOARD 'MDP-B'. SEE ONE-LINE TION.	SEE FLOOR PLAN ON		
				, , ,
and a				
		NOT TO SCALE	ITE PLAN	
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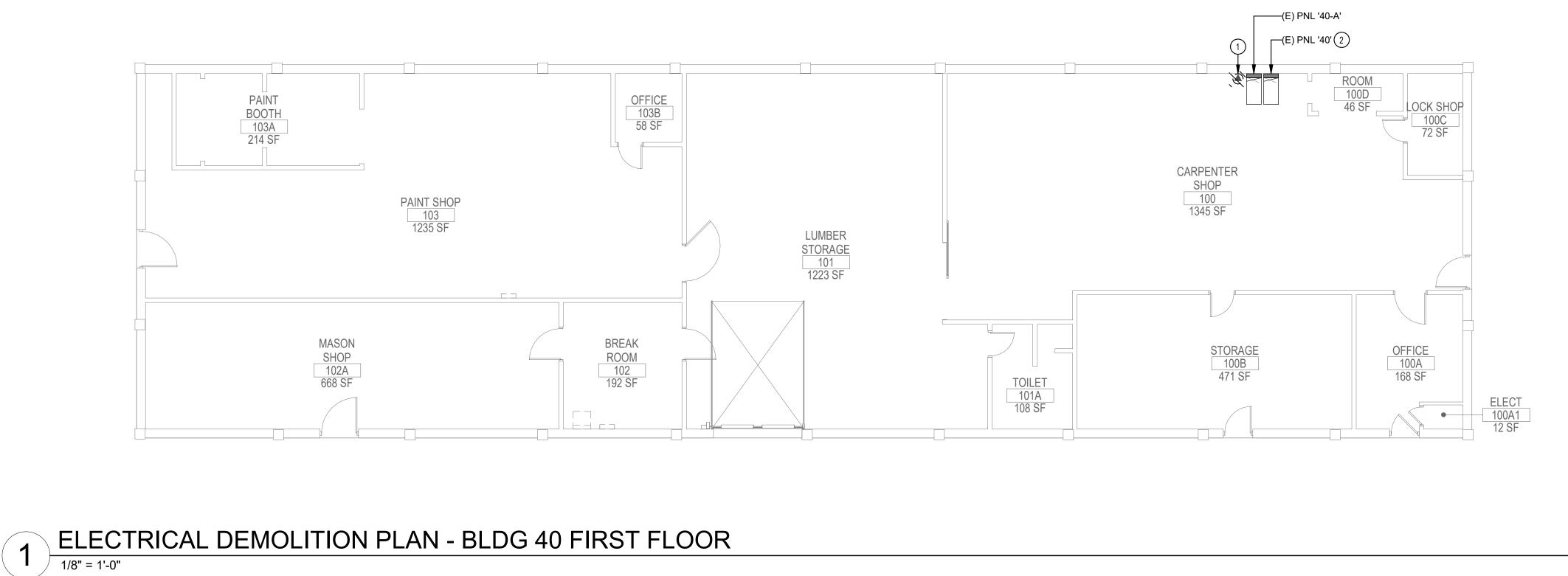
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		MICHAEL REBSTOCK, PE	ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	PEGISTERED TOTAL ENCIPTION	VA U.S. De of Veter
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OF CTION .ITIES	DRAWING TITLE ELECTRICAL DEMOLITION PLAN - FIRST FLOOR	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES
IENT	APPROVED: Project Director	FLS	FORT MEADE, SOUT
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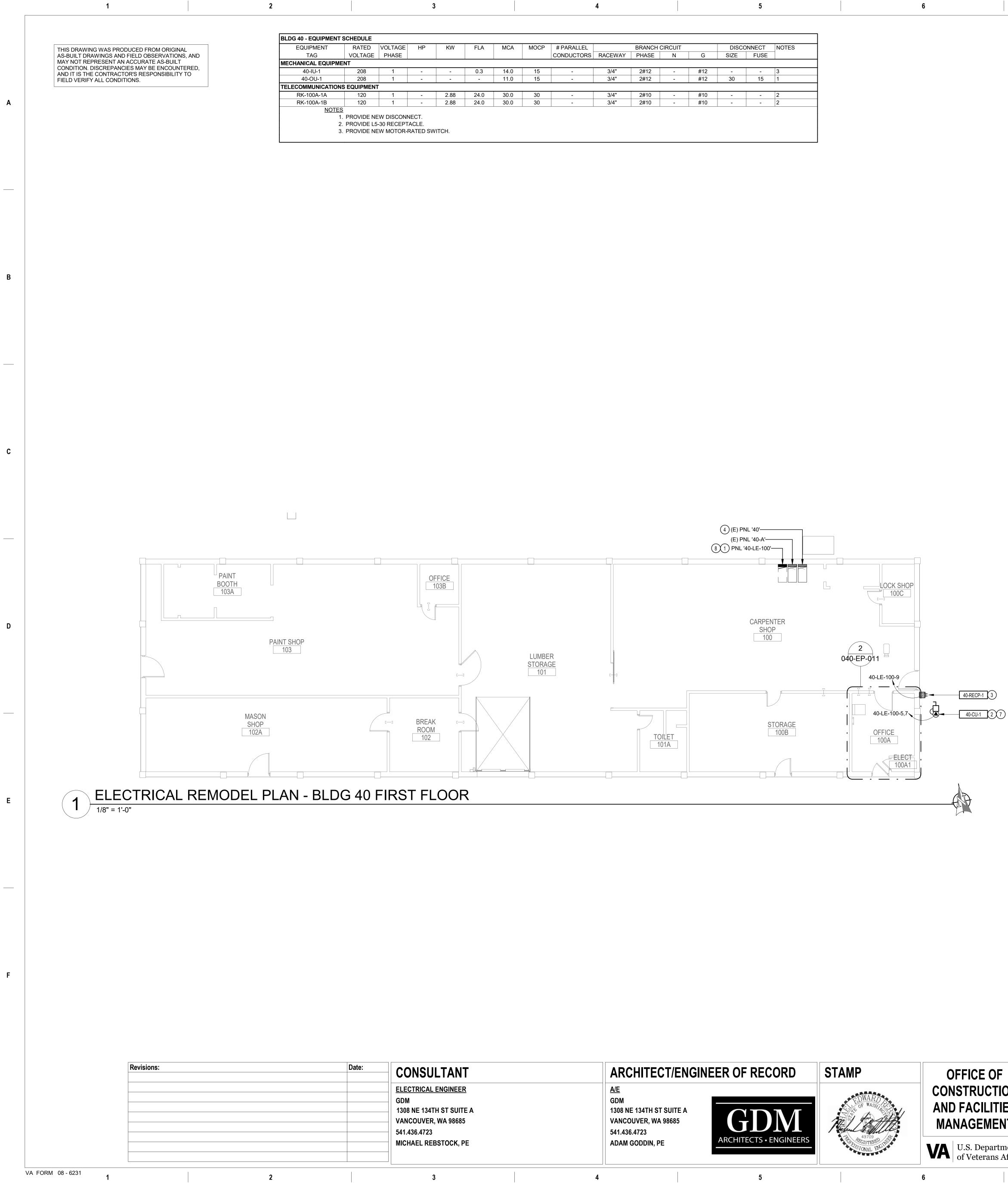
<u>KEYNOTES</u>

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- ELECTRICIAN PRIOR TO DEMOLITION.

- 1 EXISTING STARTER TO BE REMOVED EXISTING BRANCH FEEDER DIRECTL

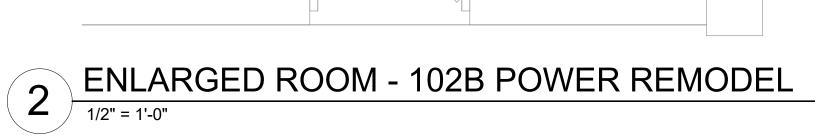
~~	NERAL DEMOLITION NOTES
SH OC CR 	ONTRACTOR SHALL COORDINATE ALL OUTAGES WITH THE COR PRIOR TO BEGINNING WORK. GREAT CARE IALL BE TAKEN TO MINIMIZE OUTAGE DURATION TO SHORTEST EXTENT POSSIBLE. NO DEMOLITION SHALL CCUR ON THE UPS SYSTEM, LIFE SAFETY SYSTEM, TELECOMMUNICATIONS SYSTEM, OR ANY OTHER RITICAL SYSTEM UNTIL THE NEW/REPLACEMENT SYSTEMS ARE IN PLACE AND READY FOR SWITCHOVER. IE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND/OR A
AC	DN-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE CURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS CHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
SH	IE COR SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR IALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE COR. THE CONTRACTOR IALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
RE	SHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO MAIN. DORDINATE WITH THE OTHER DISCIPLINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK.
PR TE	ROVIDE MINOR RELOCATION OF LIGHT FIXTURES AND DEVICES TO ACCOMMODATE NEW MECHANICAL AND LECOM EQUIPMENT LOCATIONS.
ET FIX	R WALL/CEILINGS SCHEDULED TO BE DEMOLISHED, DEMOLISH ALL CONDUIT, WIRE, DEVICES, BOXES, C. BACK TO THE EXTENT PRACTICAL TO ACCOMMODATE DEMOLITION. RELOCATE EXISTING LIGHT KTURES, DEVICES, CONDUIT, AND WIRE AS REQUIRED. PROVIDE EXTENSION OF CONDUIT AND WIRE AS
. FO	QUIRED TO ACCOMMODATE RELOCATED ITEMS. IN THE RENOVATED TELECOMMUNICATIONS ROOMS WITH NEW PAINTED PLYWOOD WALLS, CONTRACTOR IALL DISCONNECT AND TEMPORARILY REMOVE ALL ELECTRICAL DEVICES, BOXES, CONDUIT, AND WIRE TO
AL BC	LOW FOR PLYWOOD INSTALLATION. REINSTALL ALL DEVICES BACK IN SAME LOCATIONS AND PROVIDE DX EXTENSIONS, CIRCUIT EXTENSIONS, ETC. AS REQUIRED TO ACCOMMODATE RENOVATION. DORDINATE WITH THE OTHER DISCIPLINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK.
. LIG	GHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS "HERWISE NOTED
/ _ '	VNOTES
<u>\</u>	<u>EXISTING</u> EXISTING STARTER TO BE REMOVED TO ALLOW FOR PLACEMENT OF NEW ELECTRICAL PANEL. REROUTE EXISTING BRANCH FEEDER DIRECTLY TO EXISTING CIRCUIT BREAKER. COORDINATE WITH VA
	ELECTRICIAN PRIOR TO DEMOLITION. EXISTING 20A/1P BREAKERS IN SPACE 2,4,6 FEEDING EXISTING LOADS TO BE DEMOLISHED TO ALLOW SPACE TO SUB-FEED NEW 100A PANEL. FEEDERS TO REMAIN TO BE RE-CIRCUITED TO NEW PANEL.
	PROJECT KEY PLAN
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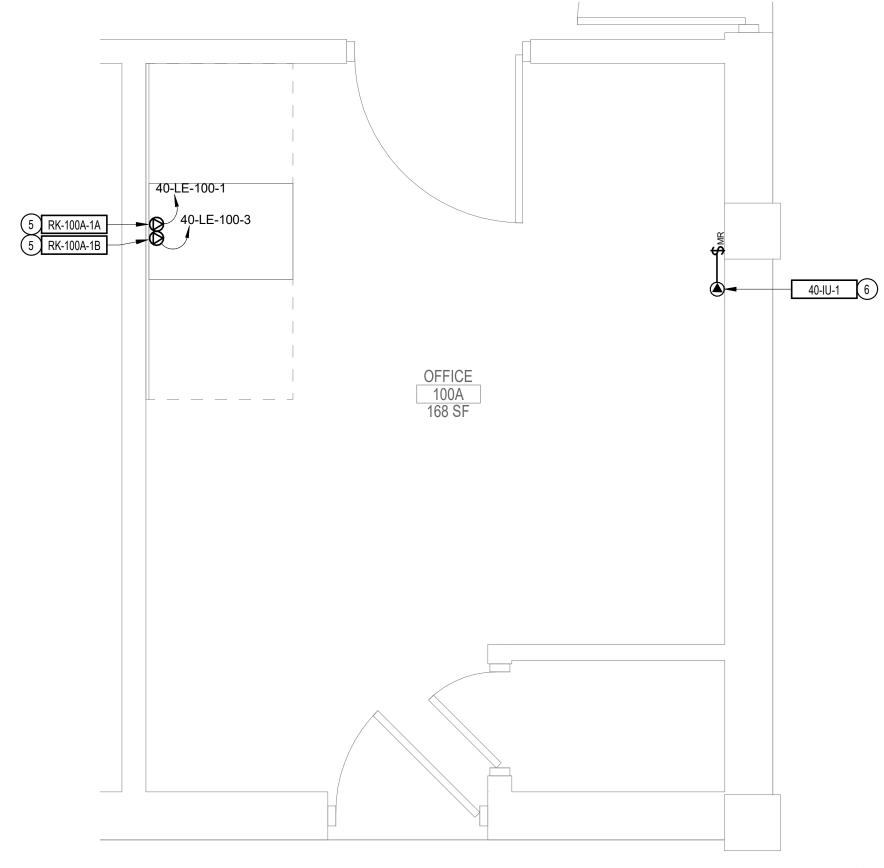
											_
FLA	MCA	MOCP	# PARALLEL		BRANCH	CIRCUIT		DISCO	DNNECT	NOTES	
			CONDUCTORS	RACEWAY	PHASE	Ν	G	SIZE	FUSE		
0.3	14.0	15	-	3/4"	2#12	-	#12	-	-	3	
-	11.0	15	-	3/4"	2#12	-	#12	30	15	1	
24.0	30.0	30	-	3/4"	2#10	-	#10	-	-	2	
24.0	30.0	30	-	3/4"	2#10	-	#10	-	-	2	

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PROJECT KEY PLAN



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- PROTECTION.

- MATCH EXISTING TYPE AND MANUFACTURER.

- OPERATION.

PANEL.

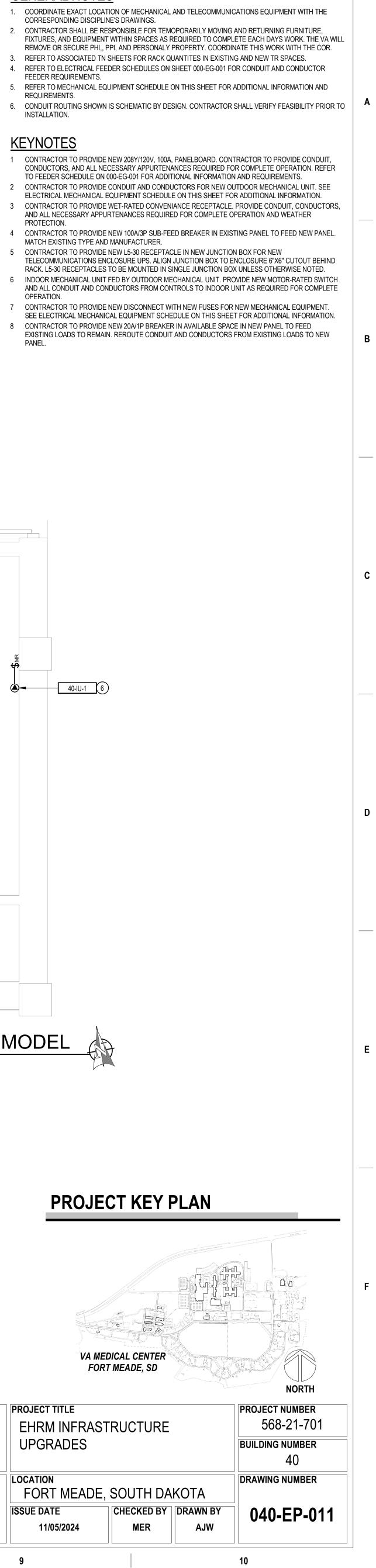
- **KEYNOTES**
- REQUIREMENTS.

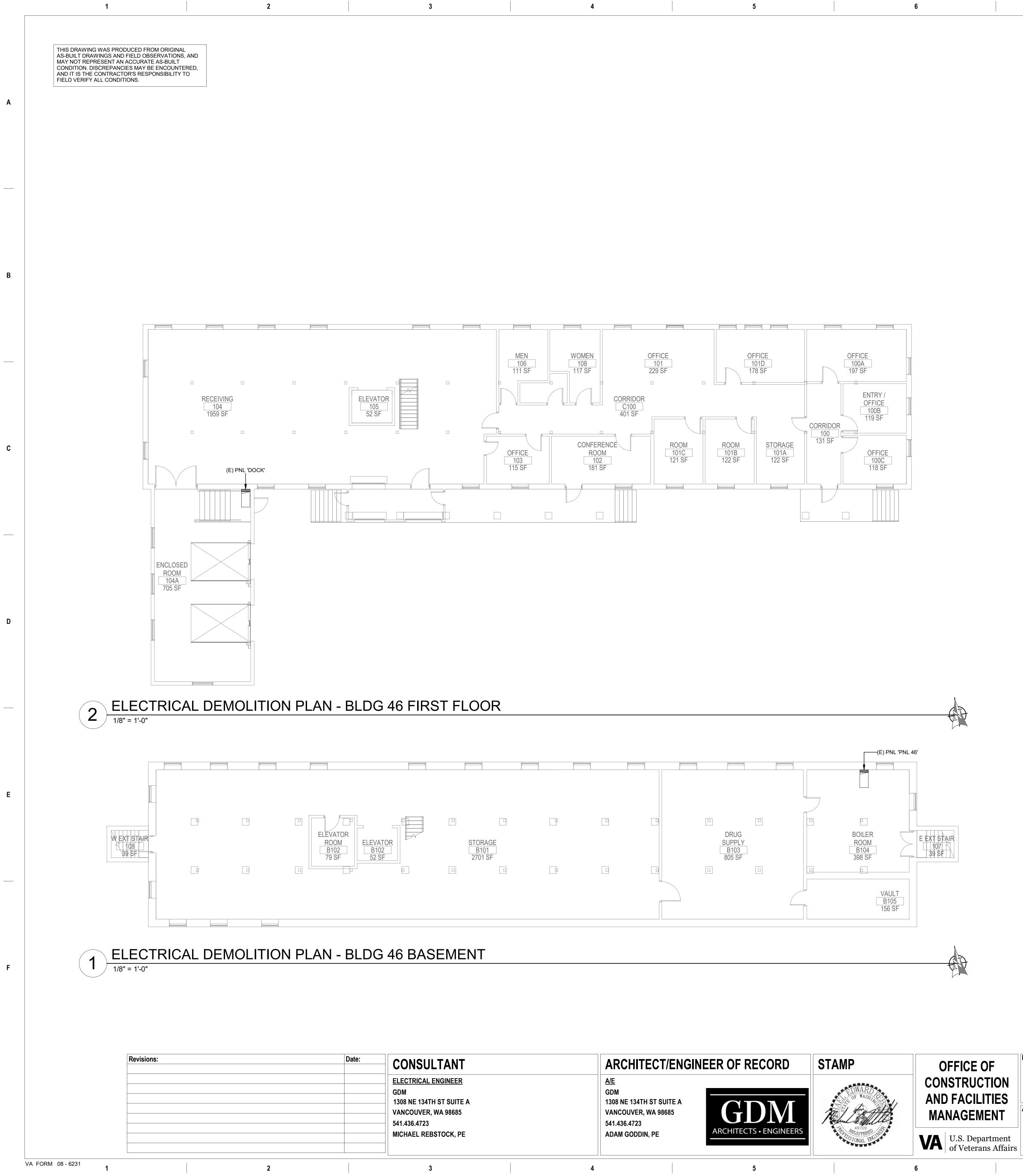
INSTALLATION.

FEEDER REQUIREMENTS.

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- **GENERAL NOTES**
- CORRESPONDING DISCIPLINE'S DRAWINGS.





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DRAWING TITLE

ELECTRICAL DEMOLITION PLAN -BASEMENT APPROVED: Project Director

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PHASE 100% CONSTRUCTION DOCUMENTS

EHRM INFRASTRUCTURE UPGRADES LOCATION FORT MEADE, SOUTH DAKOTA **ISSUE DATE** 11/05/2024

VA MEDICAL CENTER FORT MEADE, SD PROJECT TITLE

PROJECT KEY PLAN

<u>KEYNOTES</u>

OTHERWISE NOTED

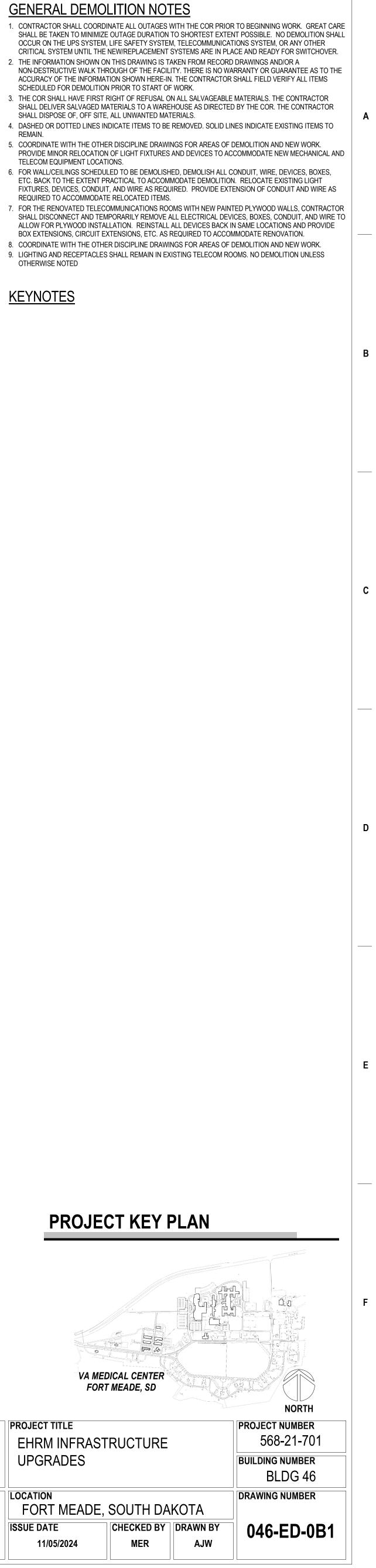
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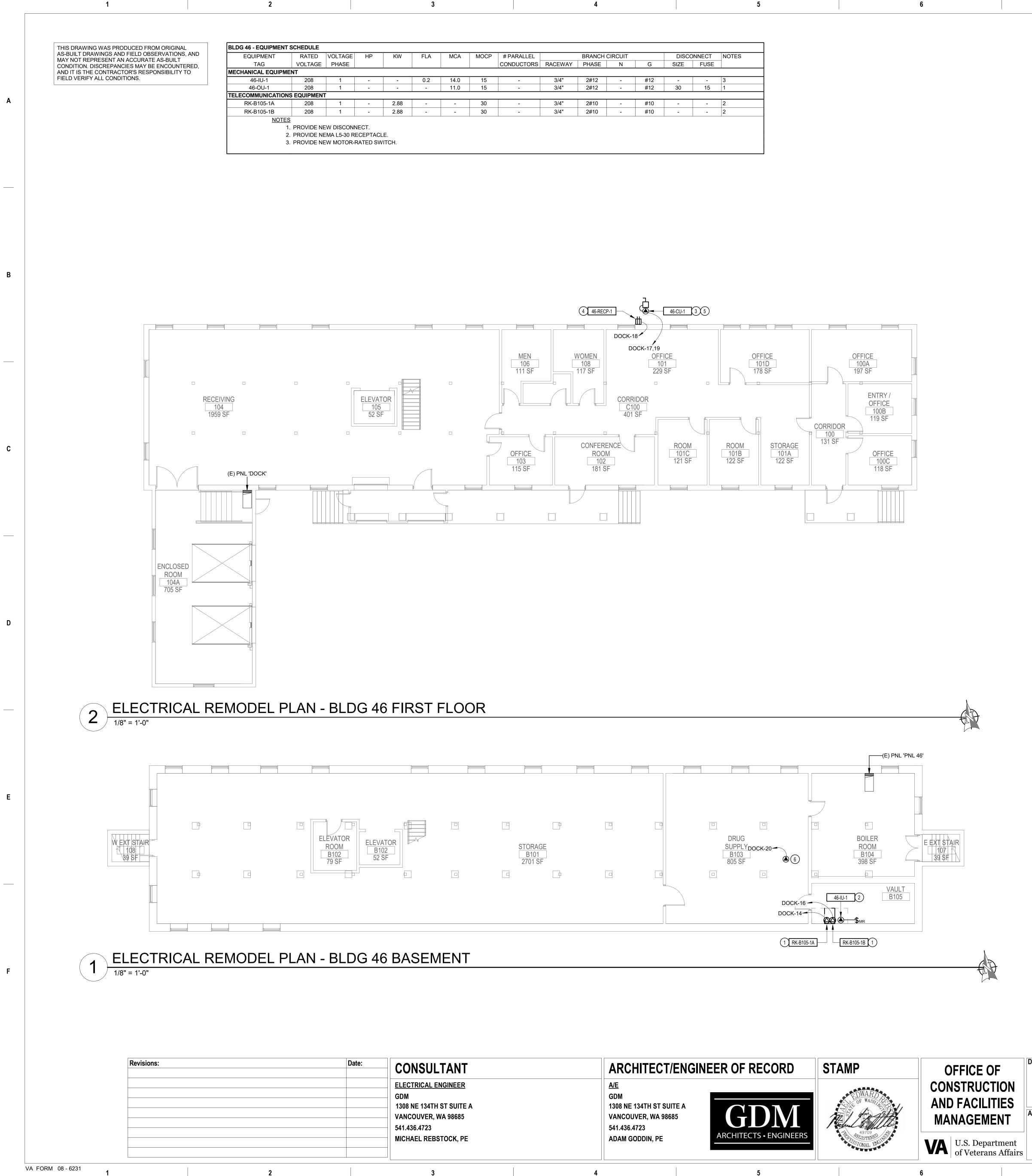
SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

REMAIN.

TELECOM EQUIPMENT LOCATIONS.

REQUIRED TO ACCOMMODATE RELOCATED ITEMS.





MOCP	# PARALLEL		BRANCH CIRCUIT		DISCONNECT		NOTES	
	CONDUCTORS	RACEWAY	PHASE	Ν	G	SIZE	FUSE	
15	-	3/4"	2#12	-	#12	-	-	3
15	-	3/4"	2#12	-	#12	30	15	1
30	-	3/4"	2#10	-	#10	-	-	2
30	-	3/4"	2#10	-	#10	-	-	2

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APPROVED: Project Director

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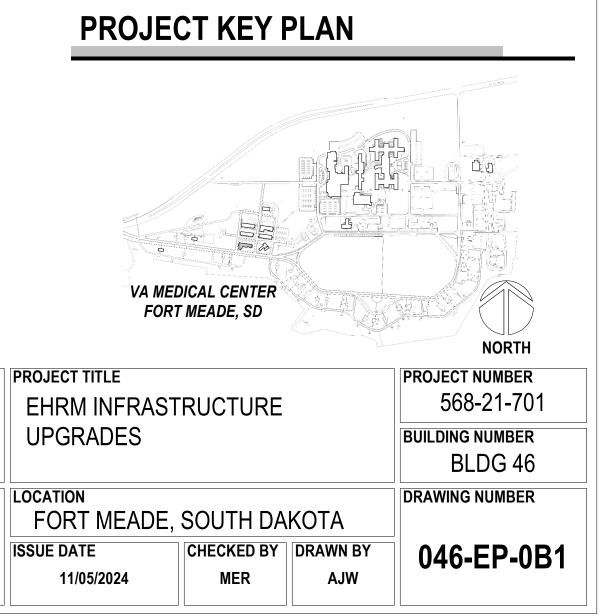
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EHRM INFRASTRUCTURE UPGRADES LOCATION **ISSUE DATE** 11/05/2024



- FEEDER REQUIREMENTS.
- 5. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AND
- REQUIREMENTS. 6. CONDUIT ROUTING SHOWN IS SCHEMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO

KEYNOTES

INSTALLATION.

- OPERATION.

- PROTECTION.

1. COORDINATE EXACT LOCATION OF MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE

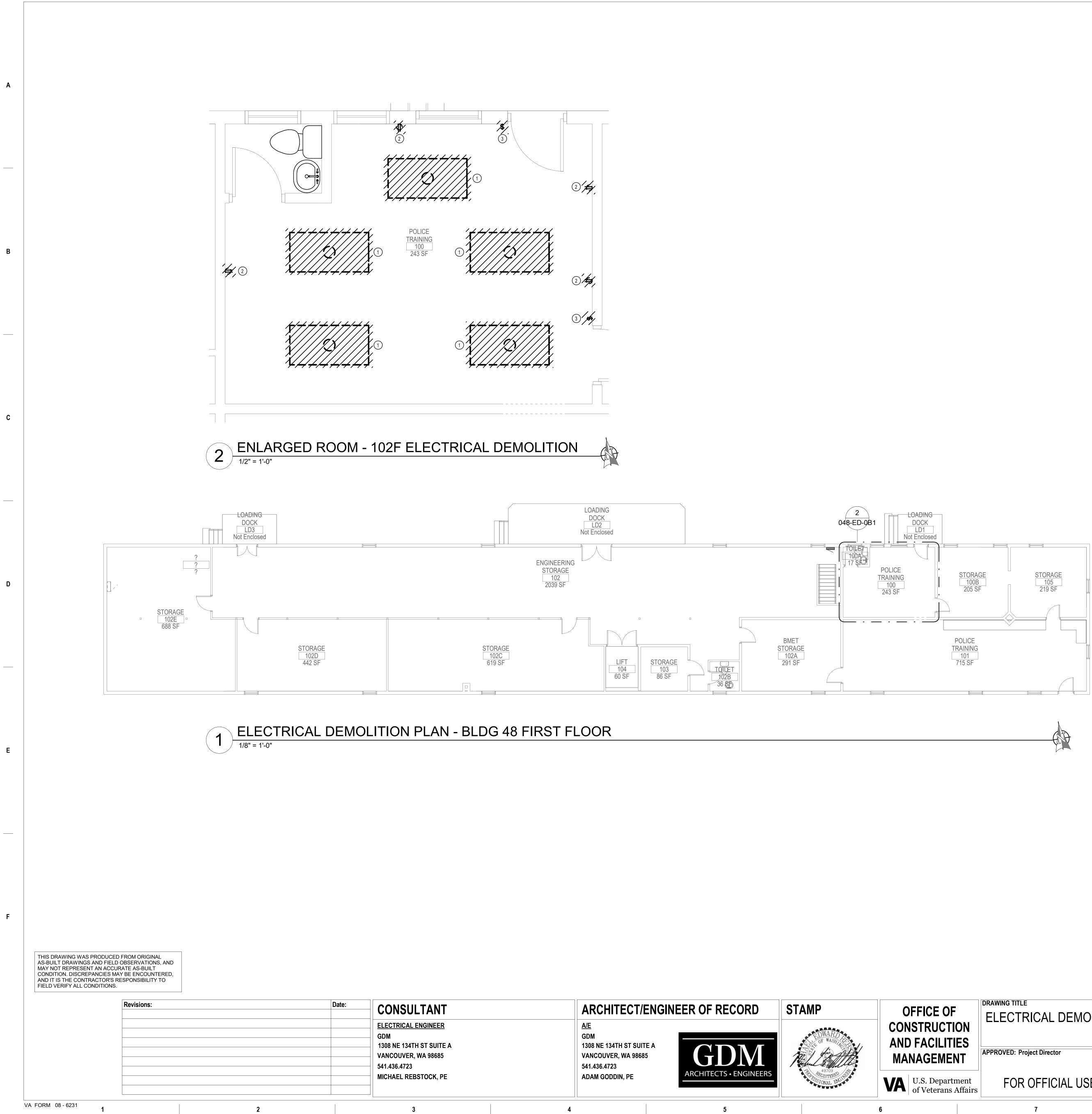
CORRESPONDING DISCIPLINE'S DRAWINGS. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR. 3. REFER TO ASSOCIATED TN SHEETS FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES. 4. REFER TO ELECTRICAL FEEDER SCHEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR

1 CONTRACTOR TO PROVIDE NEW L5-30 RECEPTACLE IN NEW JUNCTION BOX FOR NEW TELECOMMUNICATIONS ENCLOSURE UPS. ALIGN JUNCTION BOX TO ENCLOSURE 6"X6" CUTOUT BEHIND RACK. L5-30 RECEPTACLES TO BE MOUNTED IN SINGLE JUNCTION BOX UNLESS OTHERWISE NOTED. 2 INDOOR MECHANICAL UNIT FED BY OUTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH AND ALL CONDUIT AND CONDUCTORS FROM CONTROLS TO INDOOR UNIT AS REQUIRED FOR COMPLETE

3 CONTRACTOR TO PROVIDE NEW DISCONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. 4 CONTRACTOR TO PROVIDE WET-RATED CONVENIANCE RECEPTACLE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION AND WEATHER

5 CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS FOR NEW OUTDOOR MECHANICAL UNIT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. 6 CONTRACTOR TO PROVIDE CONNECTION TO DRAIN PAN PUMP. PROVIDE CONDUITS AND CONDUCTORS AS REQUIRED FOR COMPLETE OPERATION.

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<u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723	GDM	OWARD OF WASHING	CONSTRUCT AND FACILIT MANAGEME
ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	BURGISTERED WILL	VA U.S. Depar of Veterans

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CRITICAL SYSTEM UNTIL THE NEW/REPLACEMENT SYSTEMS ARE IN PLACE AND READY FOR SWITCHOVER. 2. THE INFORMATION SHOWN ON THIS DRA NON-DESTRUCTIVE WALK THROUGH OF ACCURACY OF THE INFORMATION SHOV SCHEDULED FOR DEMOLITION PRIOR TO 3. THE COR SHALL HAVE FIRST RIGHT OF F SHALL DELIVER SALVAGED MATERIALS SHALL DISPOSE OF, OFF SITE, ALL UNW 4. DASHED OR DOTTED LINES INDICATE IT REMAIN. 5. COORDINATE WITH THE OTHER DISCIPL PROVIDE MINOR RELOCATION OF LIGHT TELECOM EQUIPMENT LOCATIONS. 6. FOR WALL/CEILINGS SCHEDULED TO BE ETC. BACK TO THE EXTENT PRACTICAL FIXTURES, DEVICES, CONDUIT, AND WIR REQUIRED TO ACCOMMODATE RELOCATION 7. FOR THE RENOVATED TELECOMMUNICA SHALL DISCONNECT AND TEMPORARILY ALLOW FOR PLYWOOD INSTALLATION. F BOX EXTENSIONS, CIRCUIT EXTENSIONS 8. COORDINATE WITH THE OTHER DISCIPL 9. LIGHTING AND RECEPTACLES SHALL RE OTHERWISE NOTED <u>KEYNOTES</u>

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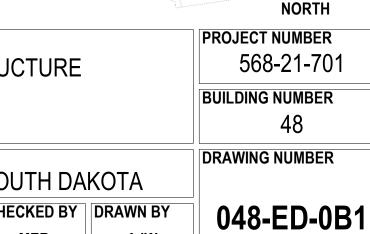
GENERAL DEMOLITION NOTES

- 1 LIGHT FIXTURE TO BE REMOVED. CC BACK TO SOURCE. MAINTAIN CIRCUI
- 2 EXISTING ELECTRICAL RECEPTACLE AND CONDUCTORS BACK TO SOURC 3 EXISTING LIGHT SWITCH TO BE REM

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1. CONTRACTOR SHALL COORDINATE ALL OUTAGES WITH THE COR PRIOR TO BEGINNING WORK. GREAT CARE SHALL BE TAKEN TO MINIMIZE OUTAGE DURATION TO SHORTEST EXTENT POSSIBLE. NO DEMOLITION SHALL OCCUR ON THE UPS SYSTEM, LIFE SAFETY SYSTEM, TELECOMMUNICATIONS SYSTEM, OR ANY OTHER

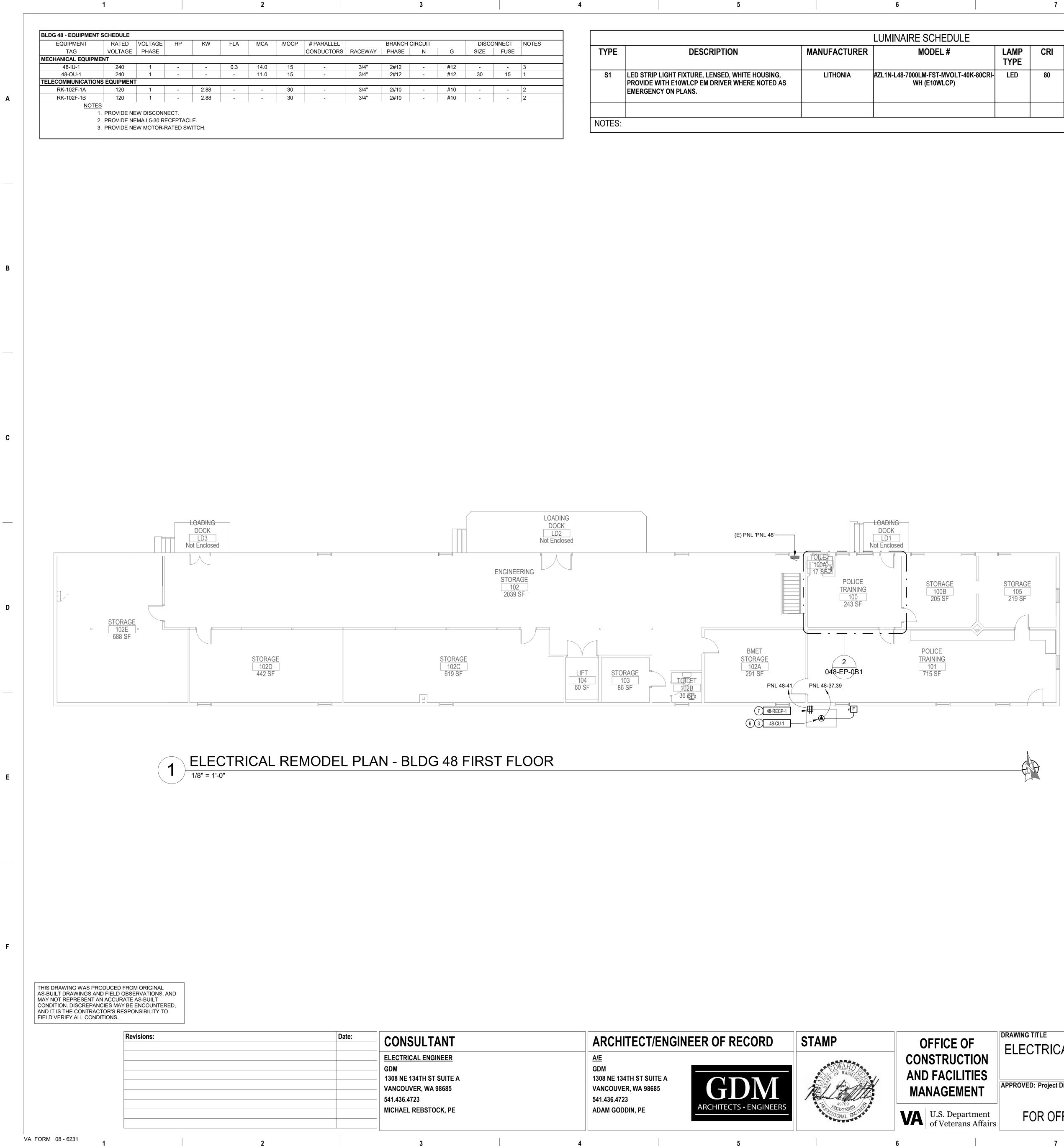
AWING IS TAKEN FROM RECORD DRAWINGS AND/OR A F THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE WN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS O START OF WORK.
REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR TO A WAREHOUSE AS DIRECTED BY THE COR. THE CONTRACTOR WANTED MATERIALS.
TEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO LINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. T FIXTURES AND DEVICES TO ACCOMMODATE NEW MECHANICAL AND
E DEMOLISHED, DEMOLISH ALL CONDUIT, WIRE, DEVICES, BOXES, TO ACCOMMODATE DEMOLITION. RELOCATE EXISTING LIGHT RE AS REQUIRED. PROVIDE EXTENSION OF CONDUIT AND WIRE AS
ATED ITEMS. ATIONS ROOMS WITH NEW PAINTED PLYWOOD WALLS, CONTRACTOR Y REMOVE ALL ELECTRICAL DEVICES, BOXES, CONDUIT, AND WIRE TO REINSTALL ALL DEVICES BACK IN SAME LOCATIONS AND PROVIDE IS, ETC. AS REQUIRED TO ACCOMMODATE RENOVATION. LINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. EMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS
ONTRACTOR TO REMOVE EXISTING CONDUIT AND CONDUCTORS JIT CONTINUITY FOR EXISTING LIGHT FIXTURES TO REMAIN. ES TO BE REMOVED. CONTRACTOR TO REMOVE EXISTING CONDUIT CE.
NOVED. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.
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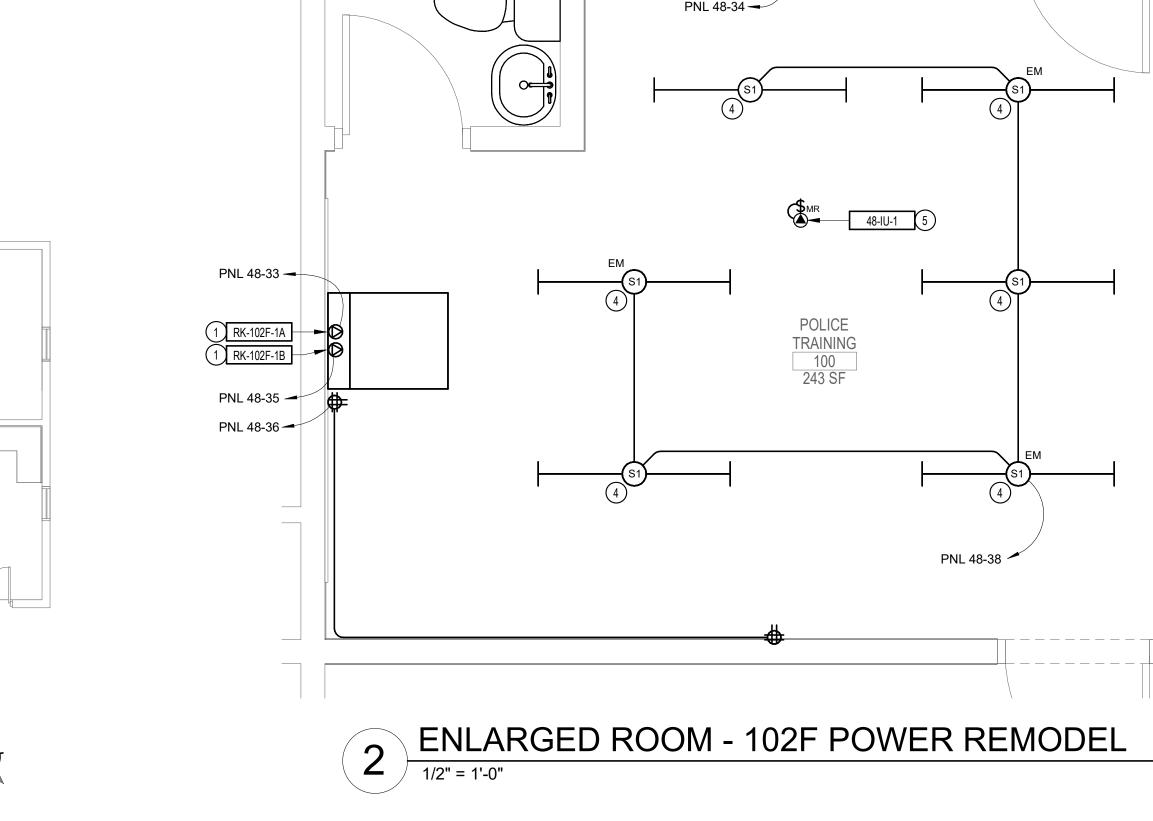


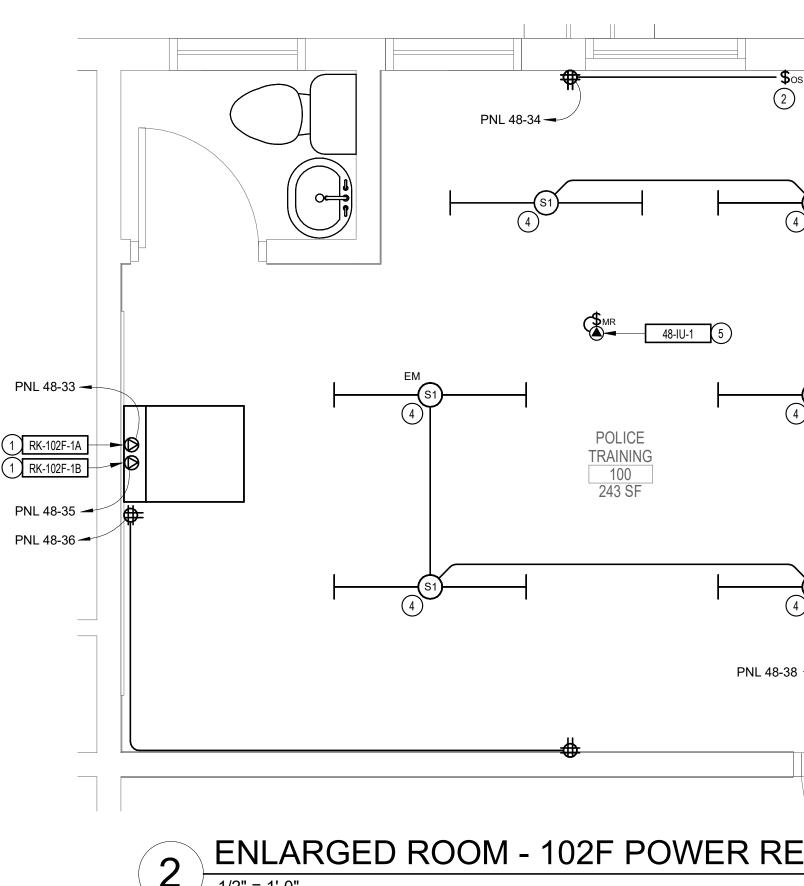
	DISCONNECT		NOTES
	SIZE	FUSE	
2	-	-	3
2	30	15	1
)	-	-	2
)	-	-	2
	1	1	1

[
			LUMINAIRE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	MODEL #	LAMP TYPE	CRI	DELIVERED LUMENS	COLOR TEMP	INPUT WATTS	FINISH
	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS EMERGENCY ON PLANS.	LITHONIA	#ZL1N-L48-7000LM-FST-MVOLT-40K-80CRI- WH (E10WLCP)	LED	80	6785	4000K	52	WHITE
NOTES:									

				DICAL CE T MEADE
OF CTION LITIES	DRAWING TITLE ELECTRICAL REMODEL PLANS	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAST UPGRADES	RUCT
MENT partment ans Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	LOCATION FORT MEADE, ISSUE DATE 11/05/2024	SOUT CHECK ME
[7	8	9	

PROJECT KEY PLAN





1.	COORDINATE EXACT LOCATION OF M CORRESPONDING DISCIPLINE'S DRAV
2.	CONTRACTOR SHALL BE RESPONSIBL FIXTURES, AND EQUIPMENT WITHIN S REMOVE OR SECURE PHI,, PPI, AND P
3.	REFER TO ASSOCIATED TN SHEETS F
4.	REFER TO ELECTRICAL FEEDER SCHE FEEDER REQUIREMENTS.
5.	REFER TO MECHANICAL EQUIPMENT REQUIREMENTS.
6.	CONDUIT ROUTING SHOWN IS SCHEM INSTALLATION.
K	<u>(EYNOTES</u>
1	CONTRACTOR TO PROVIDE NEW L5-30 TELECOMMUNICATIONS ENCLOSURE RACK. L5-30 RECEPTACLES TO BE MC
2	CONTRACTOR TO PROVIDE NEW OCC ALL NECESSARY APPURTENANCES R
3	CONTRACTOR TO PROVIDE NEW DISC SEE ELECTRICAL MECHANICAL EQUIP
4	CONTRACTOR TO PROVIDE NEW LIGH NECESSARY APPURTENANCES REQU SCHEDULE ON THIS SHEET FOR ADDI
5	INDOOR MECHANICAL UNIT FED BY O AND ALL CONDUIT AND CONDUCTORS OPERATION.
6	CONTRACTOR TO PROVIDE CONDUIT ELECTRICAL MECHANICAL EQUIPMEN
7	CONTRACTOR TO PROVIDE WET-RATE

PROTECTION.

8





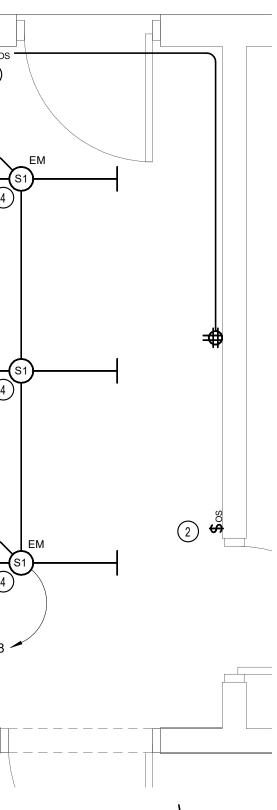
BLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR. FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES. HEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR

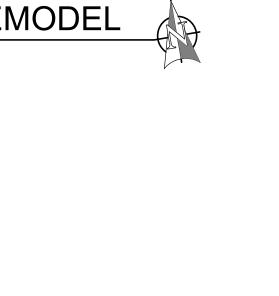
T SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AND EMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO

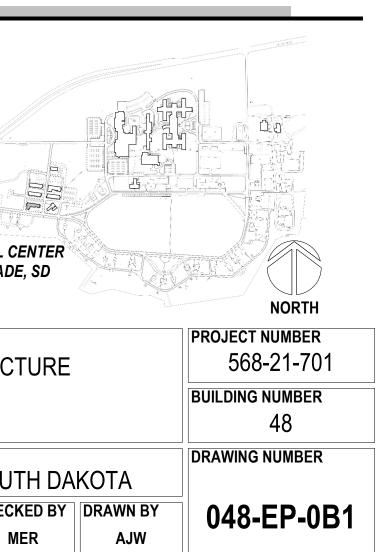
30 RECEPTACLE IN NEW JUNCTION BOX FOR NEW E UPS. ALIGN JUNCTION BOX TO ENCLOSURE 6"X6" CUTOUT BEHIND IOUNTED IN SINGLE JUNCTION BOX UNLESS OTHERWISE NOTED. CCUPANCY SENSOR SWITCH. PROVIDE CONDUIT, CONDUCTORS, AND REQUIRED FOR COMPLETE OPERATION. SCONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT. IPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. GHT FIXTURE. PROVIDE CONDUIT, CONDUCTORS, AND ALL UIRED FOR COMPLETE OPERATION. REFER TO LIGHT FIXTURE DITIONAL INFORMATION AMD REQUIREMENTS.

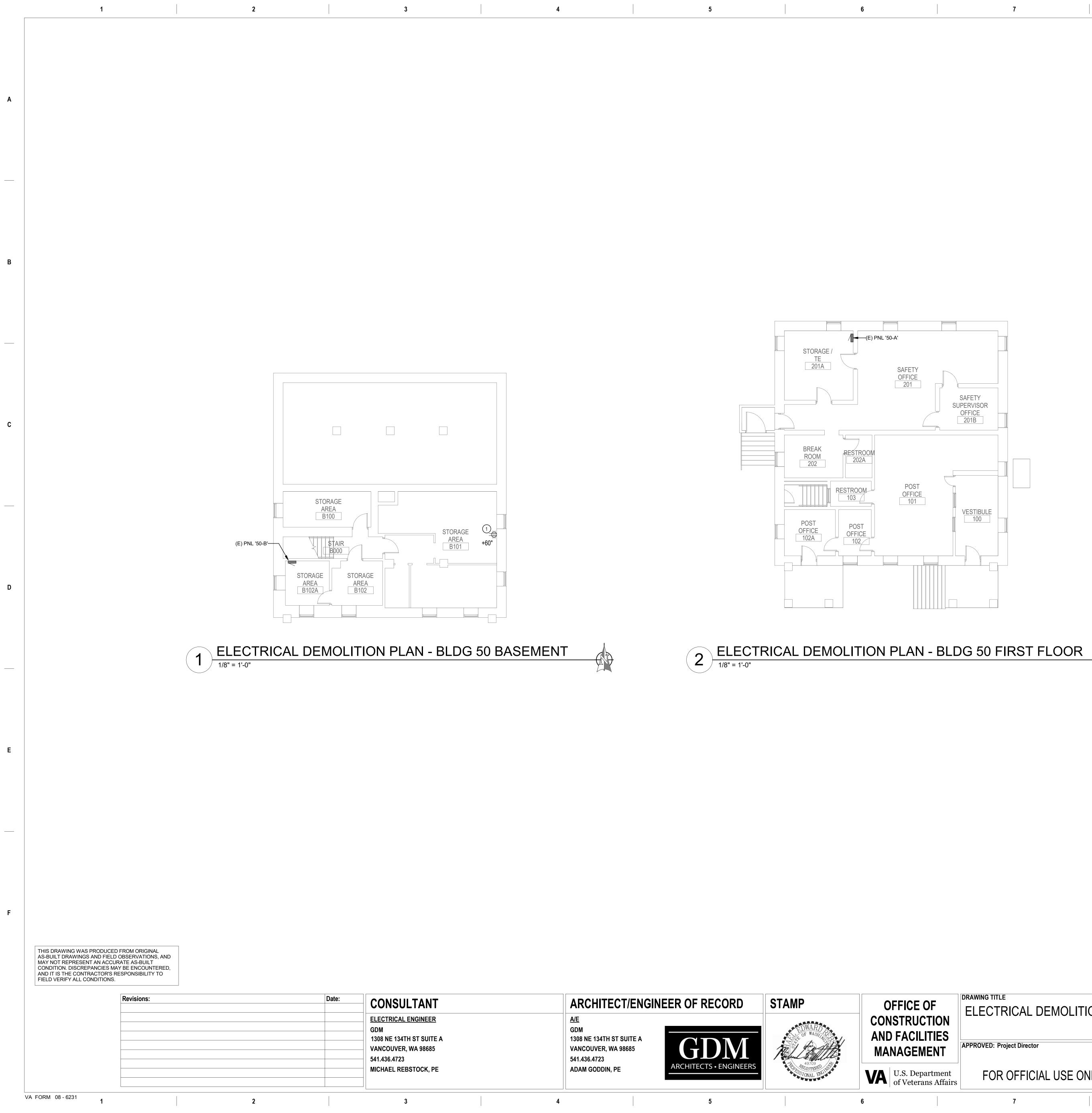
OUTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH RS FROM CONTROLS TO INDOOR UNIT AS REQUIRED FOR COMPLETE

T AND CONDUCTORS FOR NEW OUTDOOR MECHANICAL UNIT. SEE MENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. ATED CONVENIANCE RECEPTACLE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION AND WEATHER

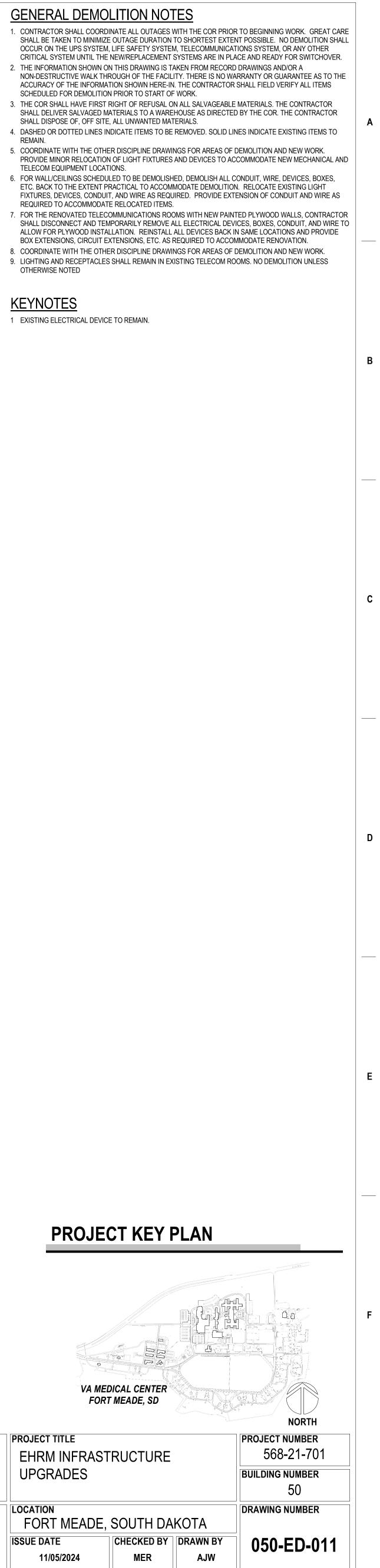








OF TION ITIES	DRAWING TITLE ELECTRICAL DEMOLITION PL	AN	PHASE 100% CONSTRUC DOCUMENTS	TION	PROJECT TITLE EHRM INFRAST UPGRADES	TRU
IENT	APPROVED: Project Director		FLS		FORT MEADE,	SOL
artment ns Affairs	FOR OFFICIAL USE ONLY (FC	OUO)	FULLY SPRI	NKLERED	ISSUE DATE 11/05/2024	CHE
	7		8		9	



OTHERWISE NOTED

<u>KEYNOTES</u>

G	ENERAL DEMOLITIO
1.	CONTRACTOR SHALL COORDINATE ALL SHALL BE TAKEN TO MINIMIZE OUTAGE OCCUR ON THE UPS SYSTEM, LIFE SAFE CRITICAL SYSTEM UNTIL THE NEW/REPL
2.	THE INFORMATION SHOWN ON THIS DRA NON-DESTRUCTIVE WALK THROUGH OF ACCURACY OF THE INFORMATION SHOW SCHEDULED FOR DEMOLITION PRIOR TO
3.	THE COR SHALL HAVE FIRST RIGHT OF F SHALL DELIVER SALVAGED MATERIALS SHALL DISPOSE OF, OFF SITE, ALL UNW
4.	DASHED OR DOTTED LINES INDICATE ITI REMAIN.
5.	COORDINATE WITH THE OTHER DISCIPL PROVIDE MINOR RELOCATION OF LIGHT TELECOM EQUIPMENT LOCATIONS.
6.	FOR WALL/CEILINGS SCHEDULED TO BE ETC. BACK TO THE EXTENT PRACTICAL FIXTURES, DEVICES, CONDUIT, AND WIR REQUIRED TO ACCOMMODATE RELOCA
7.	FOR THE RENOVATED TELECOMMUNICA SHALL DISCONNECT AND TEMPORARILY ALLOW FOR PLYWOOD INSTALLATION. F BOX EXTENSIONS, CIRCUIT EXTENSIONS

TAG CORRUCTOR RAGEWAY PHAGE Image: Constraint of the constraint o
TELECOMUNICATIONS COMPART NOTISH NOTISH 1. TRACTIVA 1 20 1 - 280 - 30 - 34' 24'0 - 1 NOTISH 1. TRACTICE NEW DISCOMECT 2. TRACTICE NEW DISCOMECT 2. TRACTICE NEW DISCOMECT 3. TRACTICE NEW DISCOMECT 3. TRACTICE NEW DISCOMECT 3. TRACTICE NEW DISCOMECT 4. TR
(E) PNL '50-B' STORAGE AREA B102A

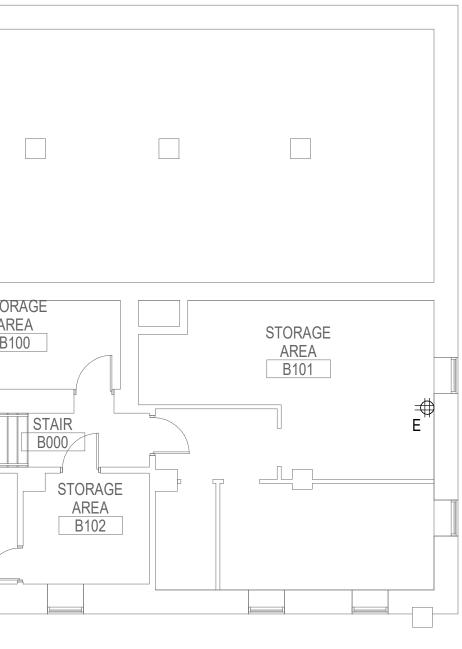
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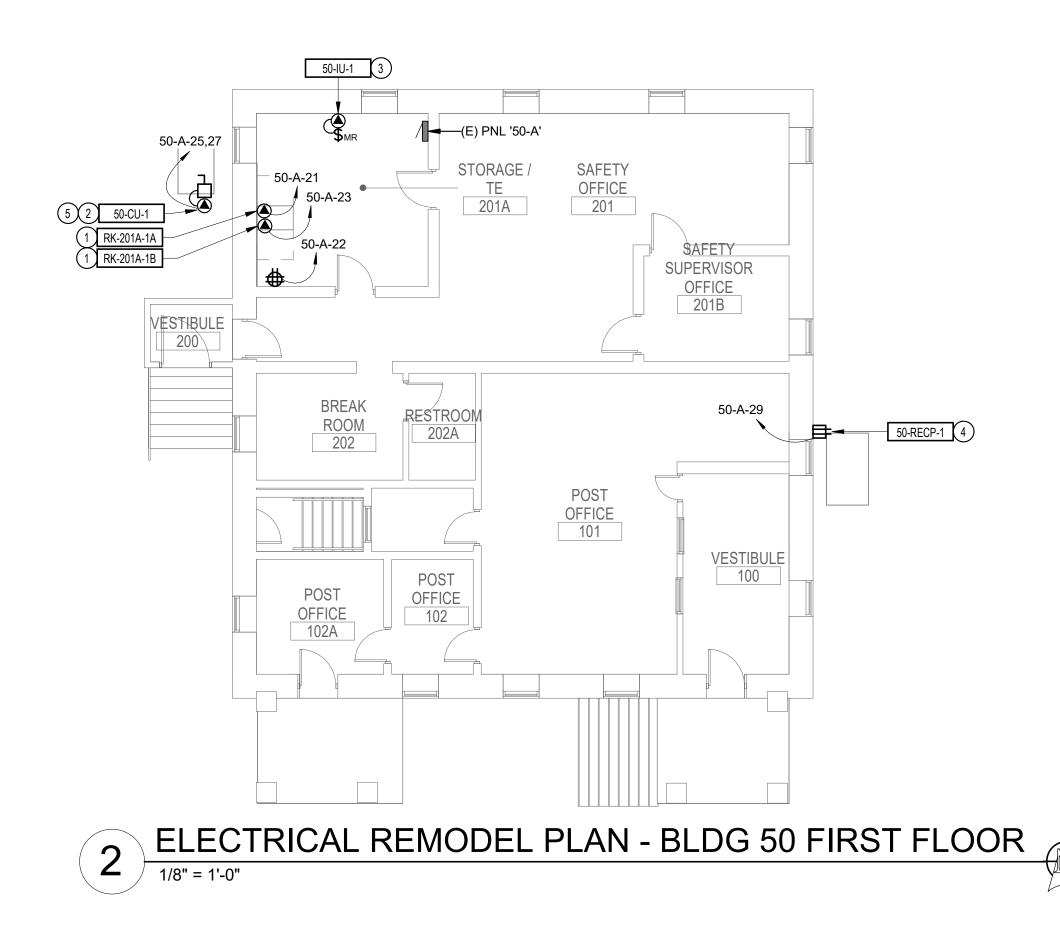
DISCONNECT		NOTES	
SIZE	FUSE		
-	-	3	
30	15	1	
-	-	2	
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DRAWING TITLE

APPROVED: Project Director

7

ELECTRICAL REMODEL PLAN

FOR OFFICIAL USE ONLY (FOUO)

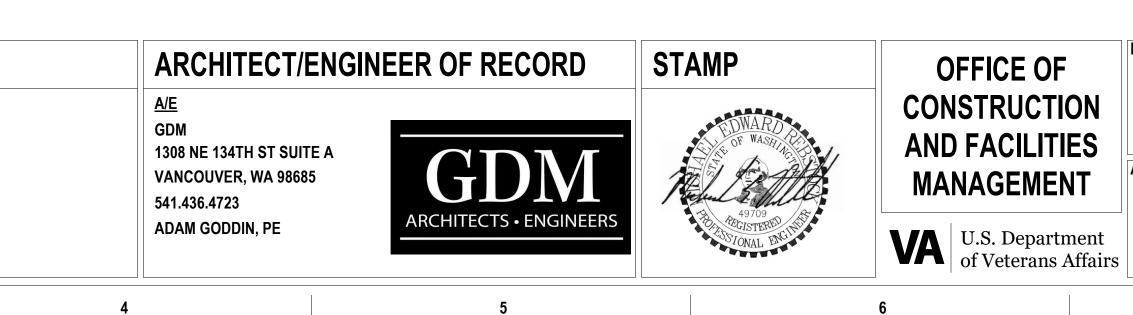
PHASE

FLS

100% CONSTRUCTION

FULLY SPRINKLERED

DOCUMENTS



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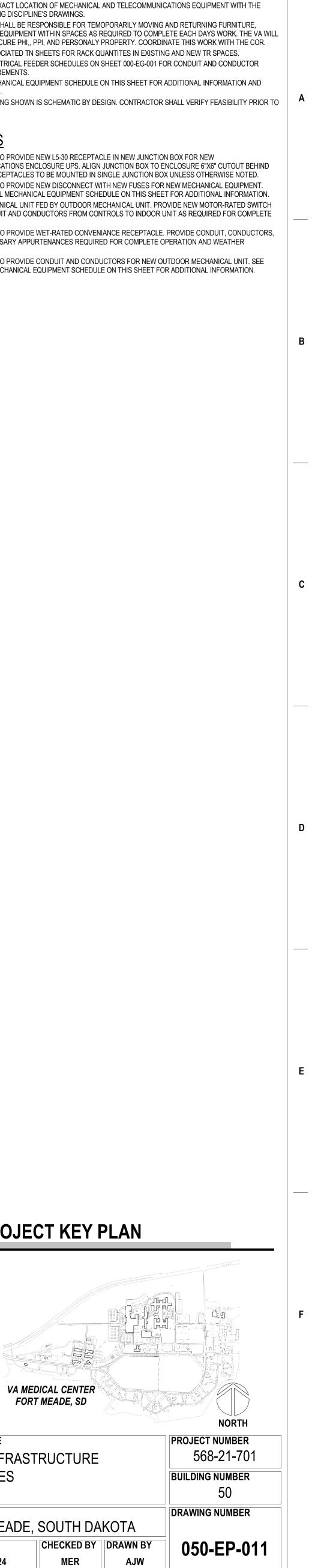
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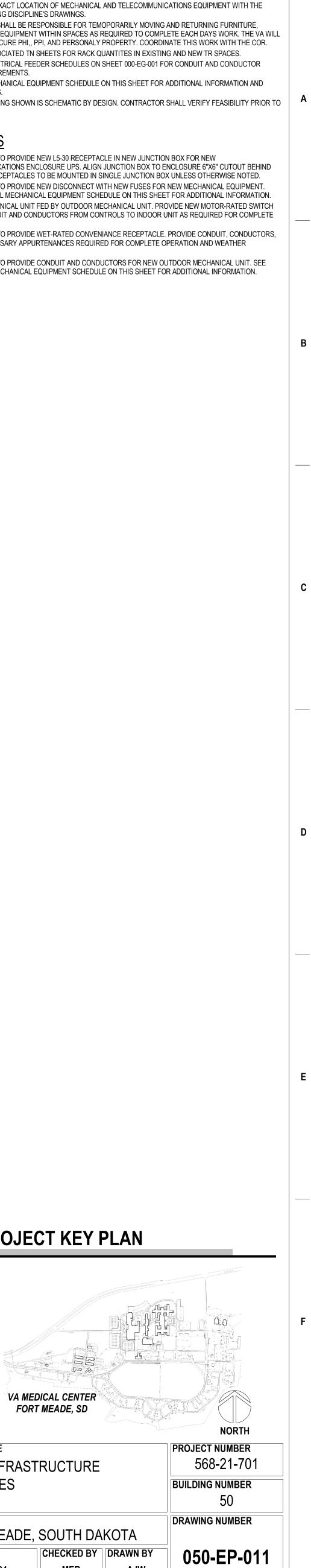
GENERAL NOTES

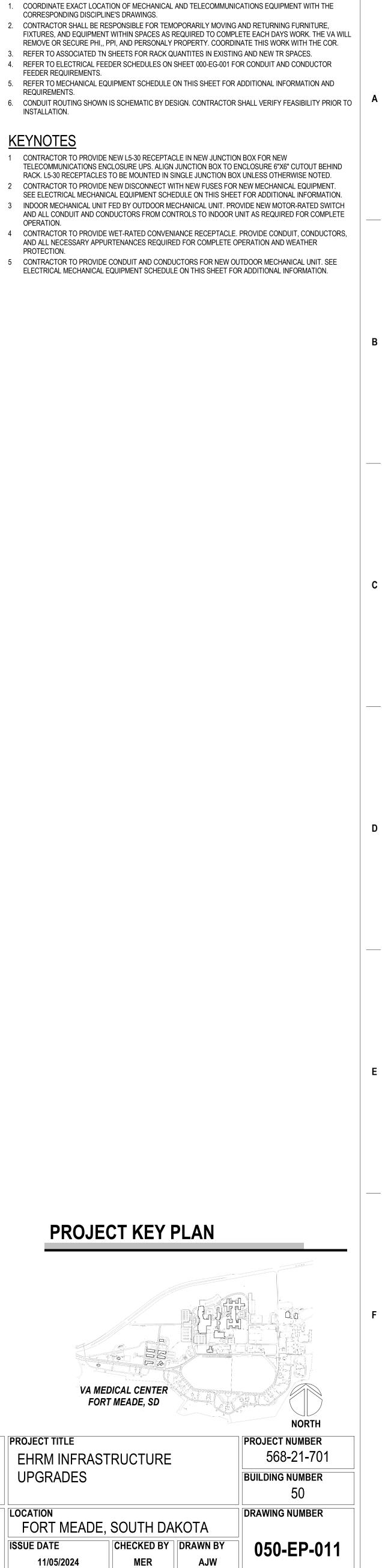
- FEEDER REQUIREMENTS.
- REQUIREMENTS. INSTALLATION.

KEYNOTES

- OPERATION.
- PROTECTION.

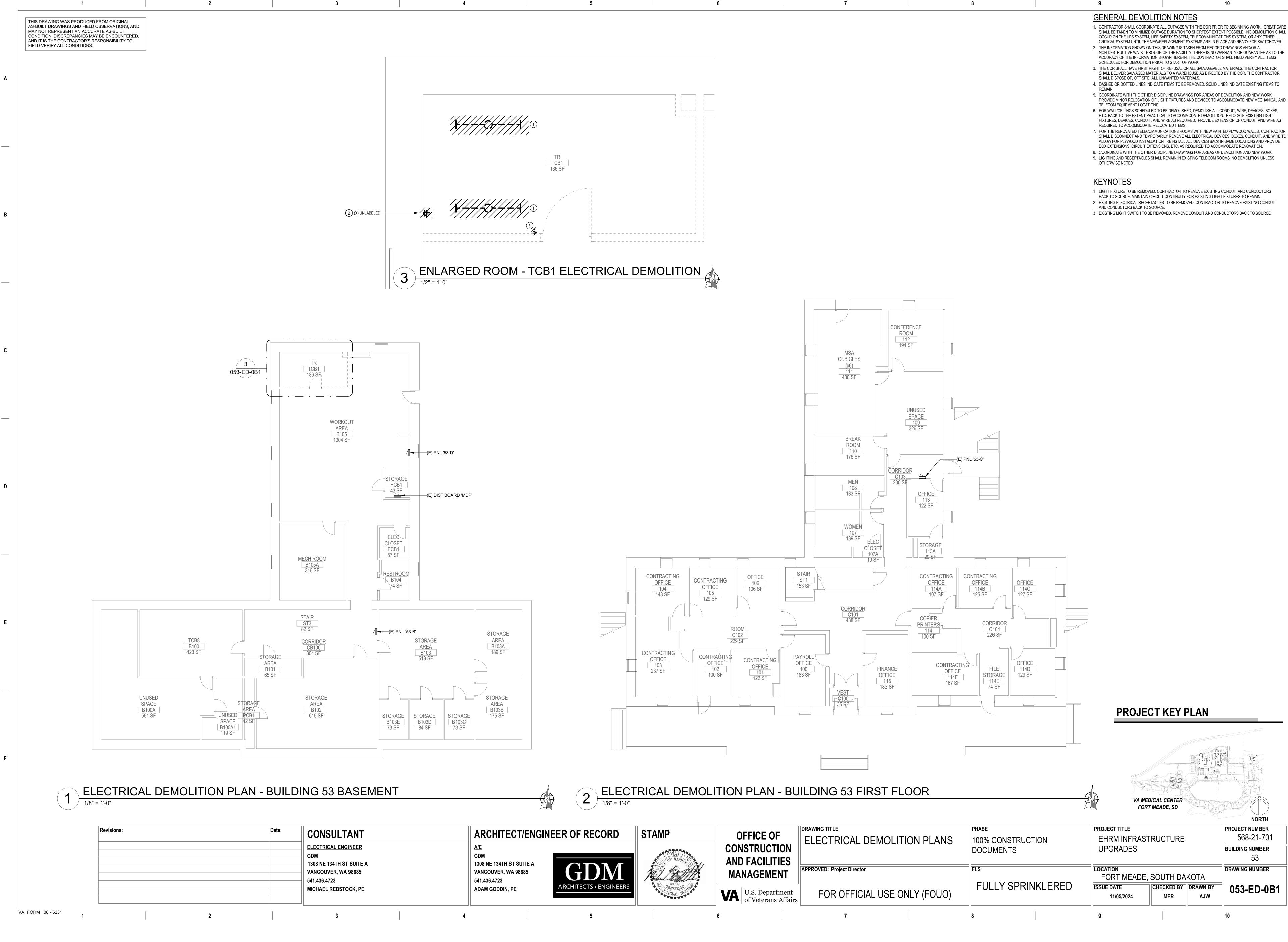






LOCATION

ISSUE DATE



- 1 LIGHT FIXTURE TO BE REMOVED. CONTR BACK TO SOURCE. MAINTAIN CIRCUIT C
- 2 EXISTING ELECTRICAL RECEPTACLES TO
- AND CONDUCTORS BACK TO SOURCE.

Α

WING IS TAKEN FROM RECORD DRAWINGS AND/OR A THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE /N HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS START OF WORK.
EFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR O A WAREHOUSE AS DIRECTED BY THE COR. THE CONTRACTOR INTED MATERIALS.
MS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO
FIXTURES AND DEVICES TO ACCOMMODATE NEW MECHANICAL AND DEMOLISHED, DEMOLISH ALL CONDUIT, WIRE, DEVICES, BOXES,
O ACCOMMODATE DEMOLITION. RELOCATE EXISTING LIGHT E AS REQUIRED. PROVIDE EXTENSION OF CONDUIT AND WIRE AS ED ITEMS.
TIONS ROOMS WITH NEW PAINTED PLYWOOD WALLS, CONTRACTOR REMOVE ALL ELECTRICAL DEVICES, BOXES, CONDUIT, AND WIRE TO EINSTALL ALL DEVICES BACK IN SAME LOCATIONS AND PROVIDE 5, ETC. AS REQUIRED TO ACCOMMODATE RENOVATION.
NE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. MAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS
ACTOR TO REMOVE EXISTING CONDUIT AND CONDUCTORS INTINUITY FOR EXISTING LIGHT FIXTURES TO REMAIN.
) BE REMOVED. CONTRACTOR TO REMOVE EXISTING CONDUIT D. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.
EY PLAN



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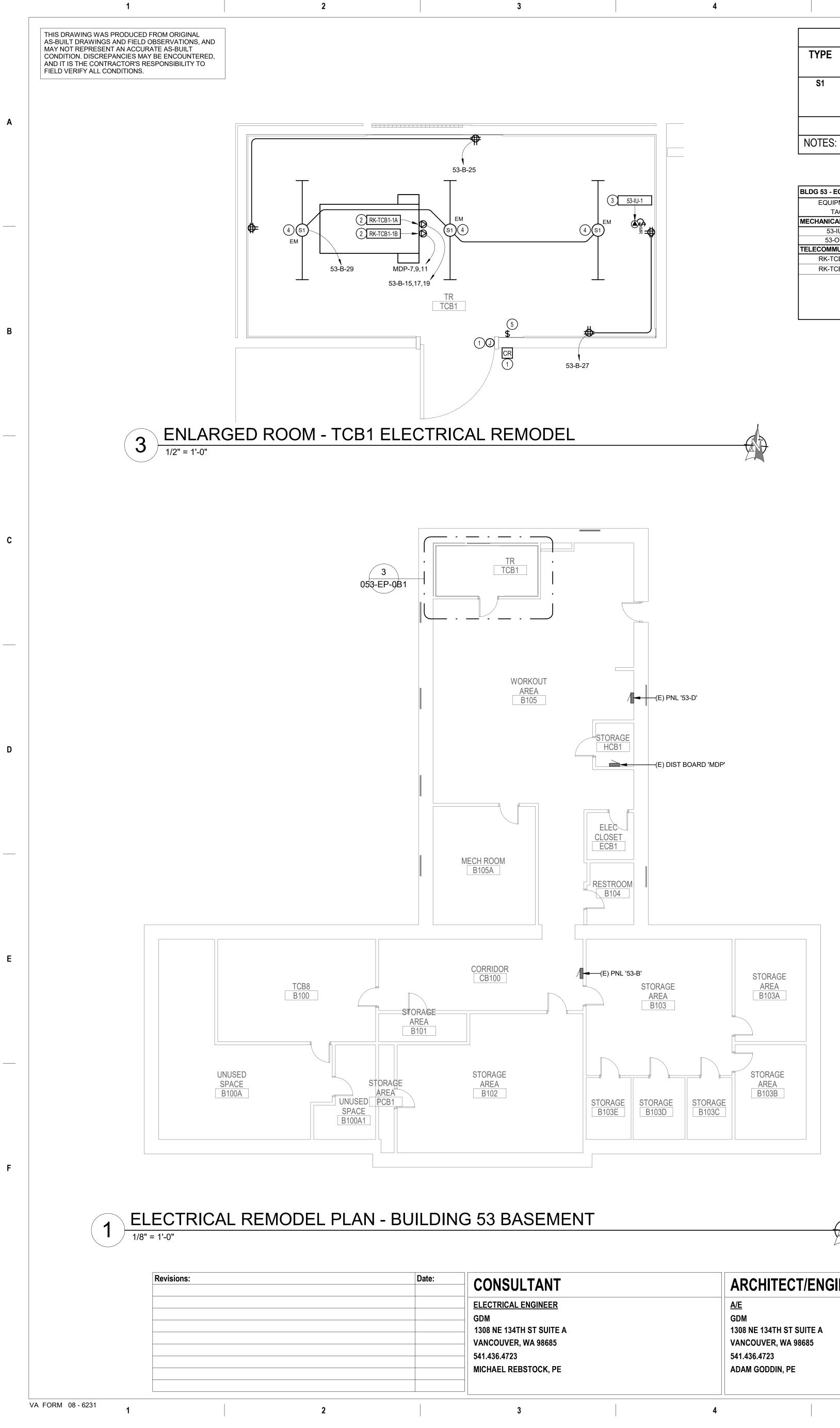
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PROJECT NUMBER

BUILDING NUMBER

DRAWING NUMBER

NORTH



		5

	LUMINAIRE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	MODEL #	LAMP Type				
	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS EMERGENCY ON PLANS.	LITHONIA	#ZL1N-L48-7000LM-FST-MVOLT-40K-80CRI- WH (E10WLCP)	LED				
NOTES								

EQUIPMENT	RATED	VOLTAGE	HP	KW	FLA	MCA	MOCP	# PARALLEL	
TAG	VOLTAGE	PHASE						CONDUCTORS	F
MECHANICAL EQUIPN	IENT								
53-IU-1	208	1	-	-	0.3	14.0	15	-	
53-OU-1	208	1	-	-	-	11.0	15	-	
TELECOMMUNICATIO	NS EQUIPMEN	Г							
RK-TCB1-1A	208	3	-	5.00	-	-	20	-	
RK-TCB1-1B	208	3	-	5.00	-	-	20	-	
NOTE	S								
	1. PROVIDE NE	W DISCONN	ECT.						
	2. PROVIDE NE	EMA L21-20R	INTERLO	CKING RECI	EPTACLE.				
	3. PROVIDE NE		ATED SW	/ITCH					



DISCONNECT NOTES

3/4"

BRANCH CIRCUIT

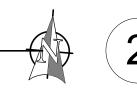
RACEWAY PHASE N G SIZE FUSE

 3/4"
 2#12
 #12
 3

 3/4"
 2#12
 #12
 30
 15
 1

3/4" 3#12 - #12 - - 2

3#12 - #12 - 2





Γ	ARCHITECT/ENGINE	EER OF RECORD	STAMP	C	FFICE OF	D
E A	<u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723	GDM	DWARD OF WASHING	AND	ISTRUCTION DFACILITIES NAGEMENT	A
E	ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	HOLISTERED THE STONAL ENGLIST	VA	U.S. Department of Veterans Affairs	
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FOR OFFICIAL USE ONLY (FOUO)

APPROVED: Project Director

DRAWING TITLE ELECTRICAL REMODEL PLAN -BASEMENT AND FIRST FLOOR

DOCUMENTS FLS

100% CONSTRUCTION

PHASE

FULLY SPRINKLERED

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION FORT MEADE, SOUTH DAKOTA **ISSUE DATE** 11/05/2024

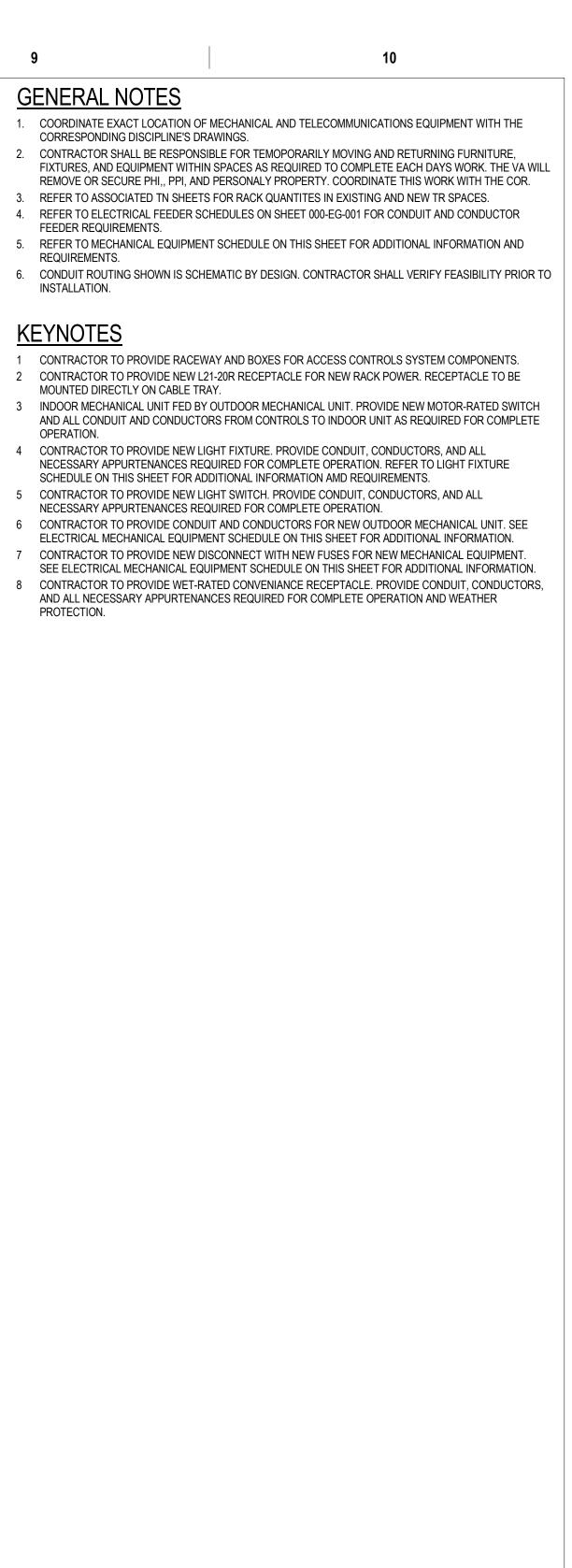
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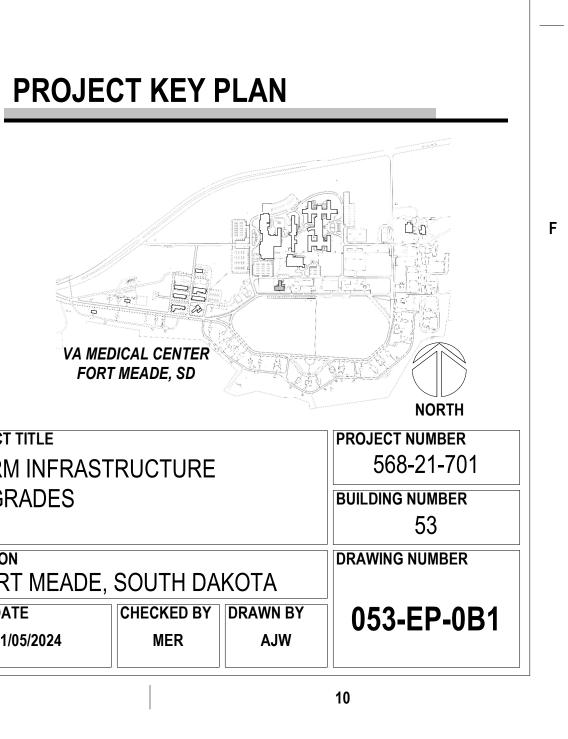
CRI	DELIVERED LUMENS	COLOR TEMP	INPUT WATTS	FINISH
80	6785	4000K	52	WHITE

2.	CONTRACTOR SHALL BE RESPONSIBLE FIXTURES, AND EQUIPMENT WITHIN SPA REMOVE OR SECURE PHI., PPI, AND PEF
3.	REFER TO ASSOCIATED TN SHEETS FOR
4.	REFER TO ELECTRICAL FEEDER SCHED FEEDER REQUIREMENTS.
5.	REFER TO MECHANICAL EQUIPMENT SC REQUIREMENTS.
6.	CONDUIT ROUTING SHOWN IS SCHEMATINSTALLATION.
KE	<u>EYNOTES</u>
1	CONTRACTOR TO PROVIDE RACEWAY A
2	CONTRACTOR TO PROVIDE NEW L21-20 MOUNTED DIRECTLY ON CABLE TRAY.
3	INDOOR MECHANICAL UNIT FED BY OUT AND ALL CONDUIT AND CONDUCTORS F OPERATION.
4	CONTRACTOR TO PROVIDE NEW LIGHT NECESSARY APPURTENANCES REQUIR SCHEDULE ON THIS SHEET FOR ADDITION
5	CONTRACTOR TO PROVIDE NEW LIGHT NECESSARY APPURTENANCES REQUIR
6	CONTRACTOR TO PROVIDE CONDUIT AN ELECTRICAL MECHANICAL EQUIPMENT

PROTECTION.

GENERAL NOTES





THIS DRAWING WAS PRODUCED FROM ORIGINAL
AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND
MAY NOT REPRESENT AN ACCURATE AS-BUILT
CONDITION. DISCREPANCIES MAY BE ENCOUNTERED
AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO
FIELD VERIFY ALL CONDITIONS.

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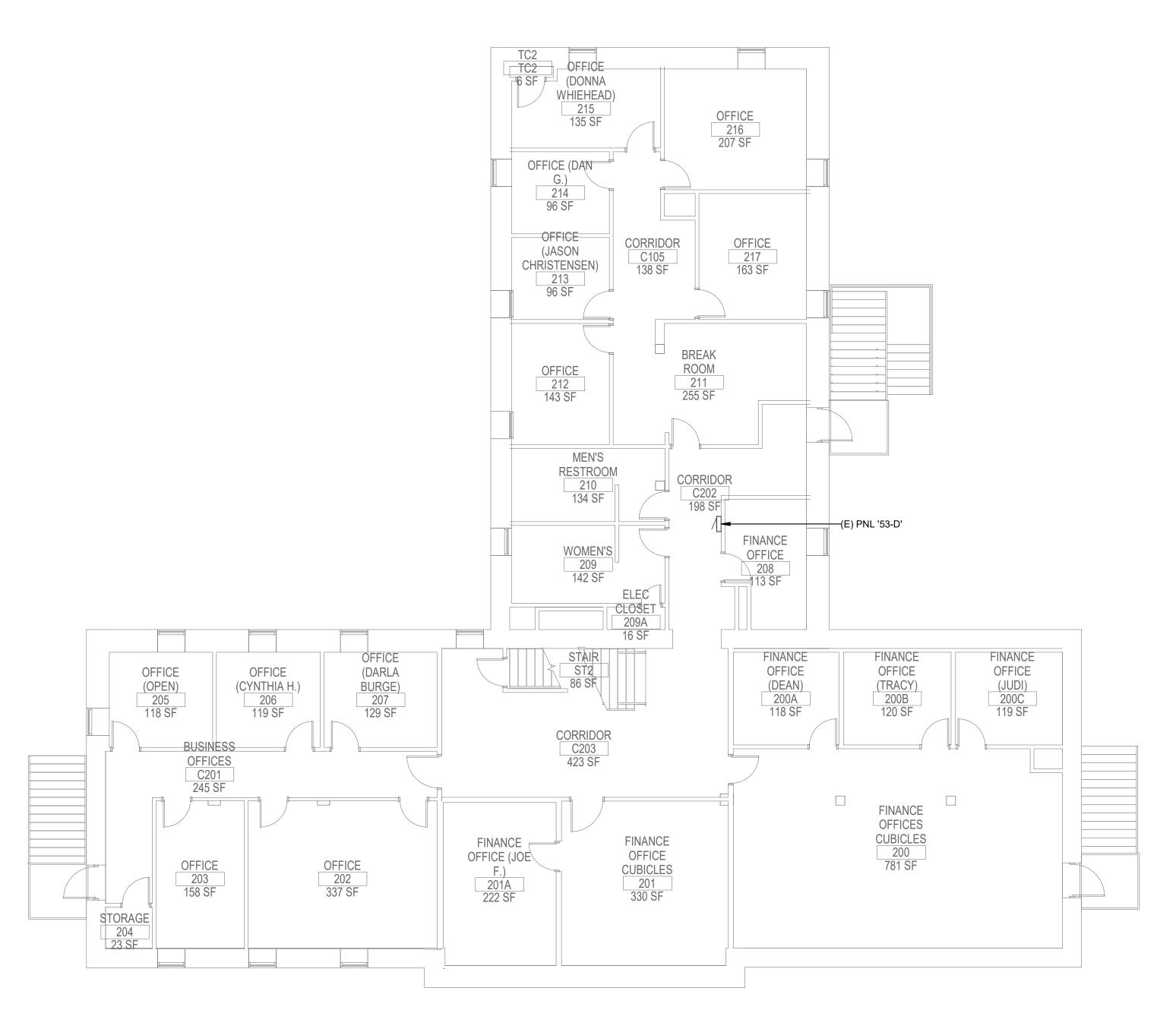
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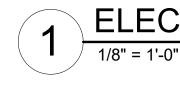
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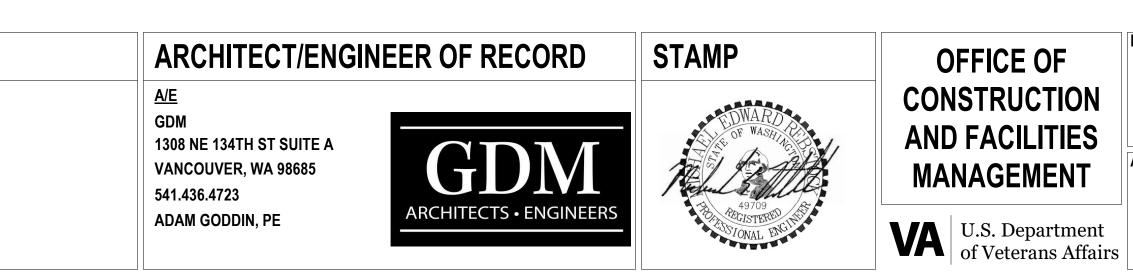
Revisions:	Date:	CONSULTANT
		ELECTRICAL ENGINEER
		GDM 1308 NE 134TH ST SUITE A
		VANCOUVER, WA 98685 541.436.4723
		MICHAEL REBSTOCK, PE

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ELECTRICAL REMODEL PLAN - BUILDING 53 SECOND FLOOR

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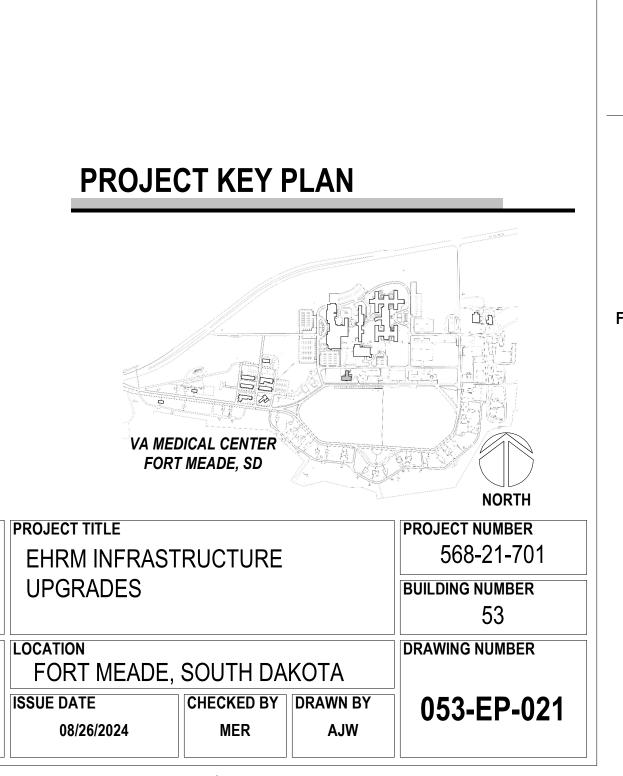
DRAWING TITLE

ELECTRICAL REMODEL PLAN -SECOND FLOOR AND ATTIC APPROVED: Project Director

FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION DOCUMENTS

EHRM INFRASTRUCTURE UPGRADES LOCATION **ISSUE DATE** 08/26/2024



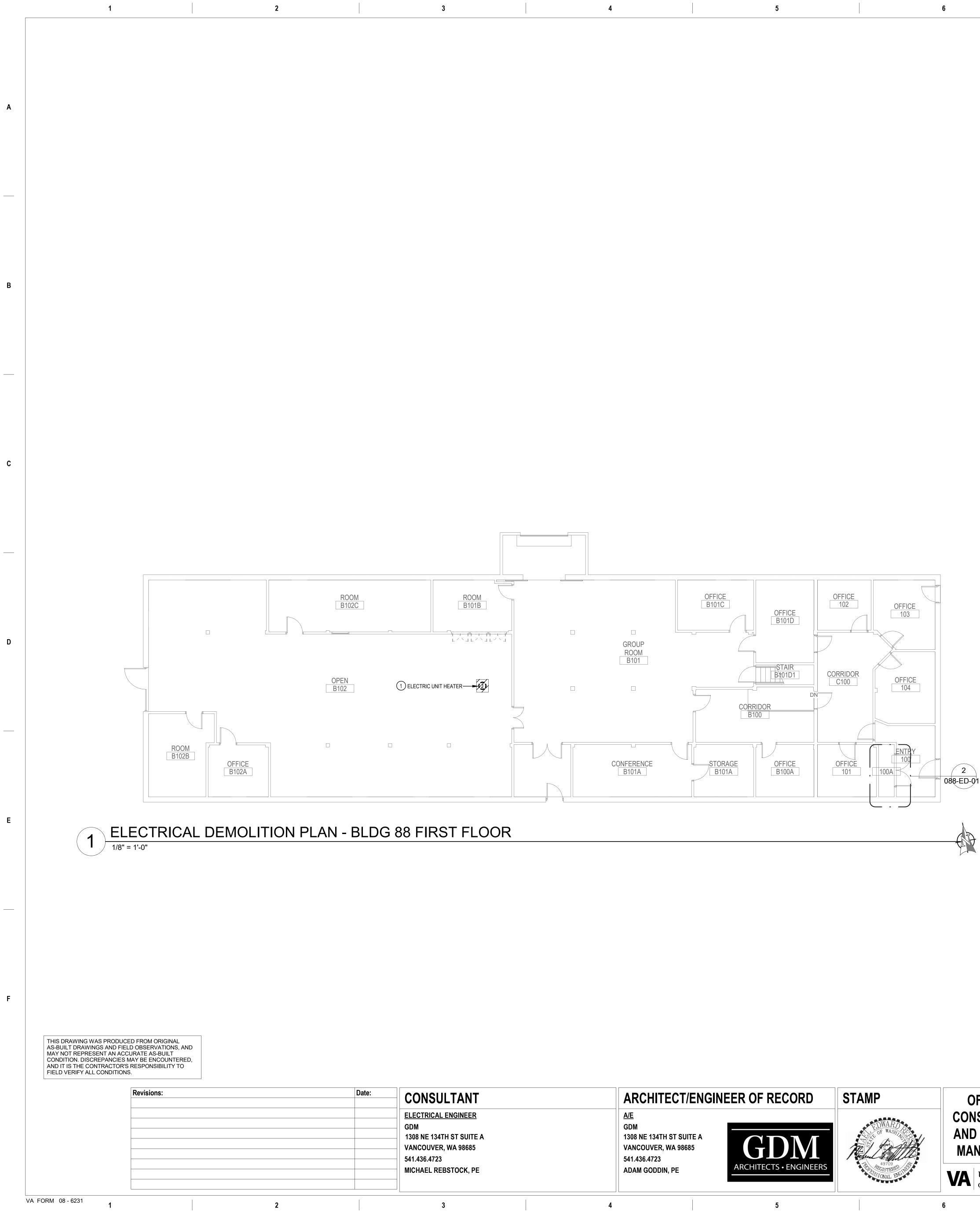
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INSTALLATION.

8

2. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR. 3. REFER TO ASSOCIATED TN SHEETS FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES. 4. REFER TO ELECTRICAL FEEDER SCHEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR 5. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AND 6. CONDUIT ROUTING SHOWN IS SCHEMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO

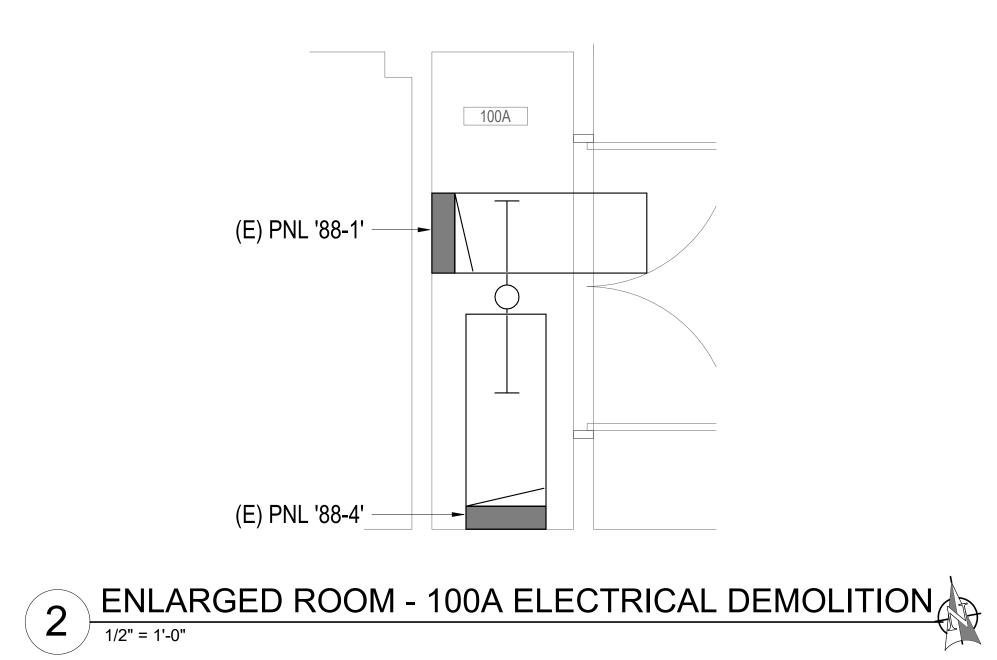
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			VA MEDIC FORT M	
)F	DRAWING TITLE ELECTRICAL DEMOLITION PLAN	PHASE 100% CONSTRUCTION	PROJECT TITLE EHRM INFRASTR	UCT
TION		DOCUMENTS	UPGRADES	
ENT	APPROVED: Project Director		FORT MEADE, S	
artment ns Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE C 11/05/2024	HECKE ME
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PROJECT KEY PLAN

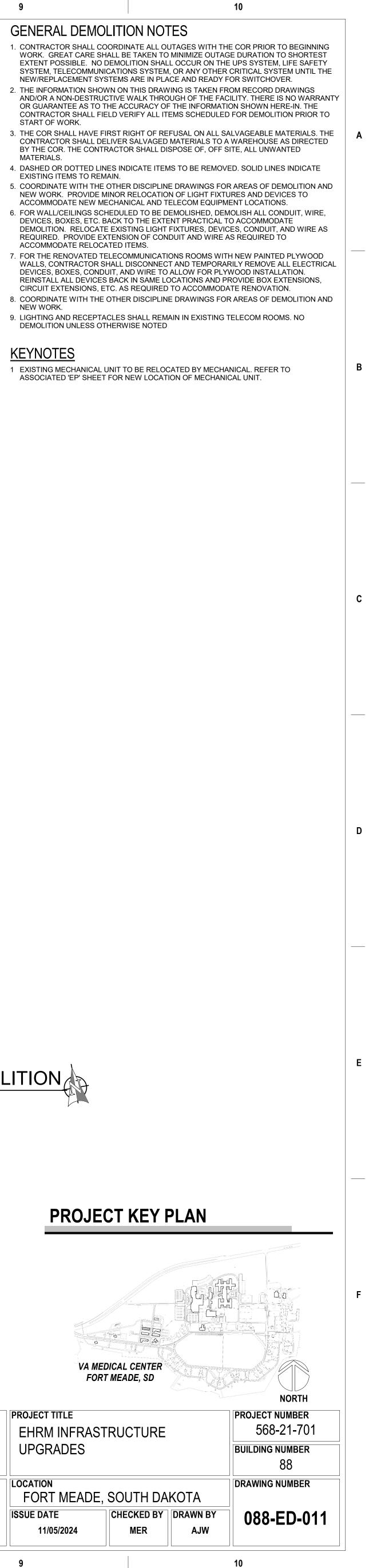


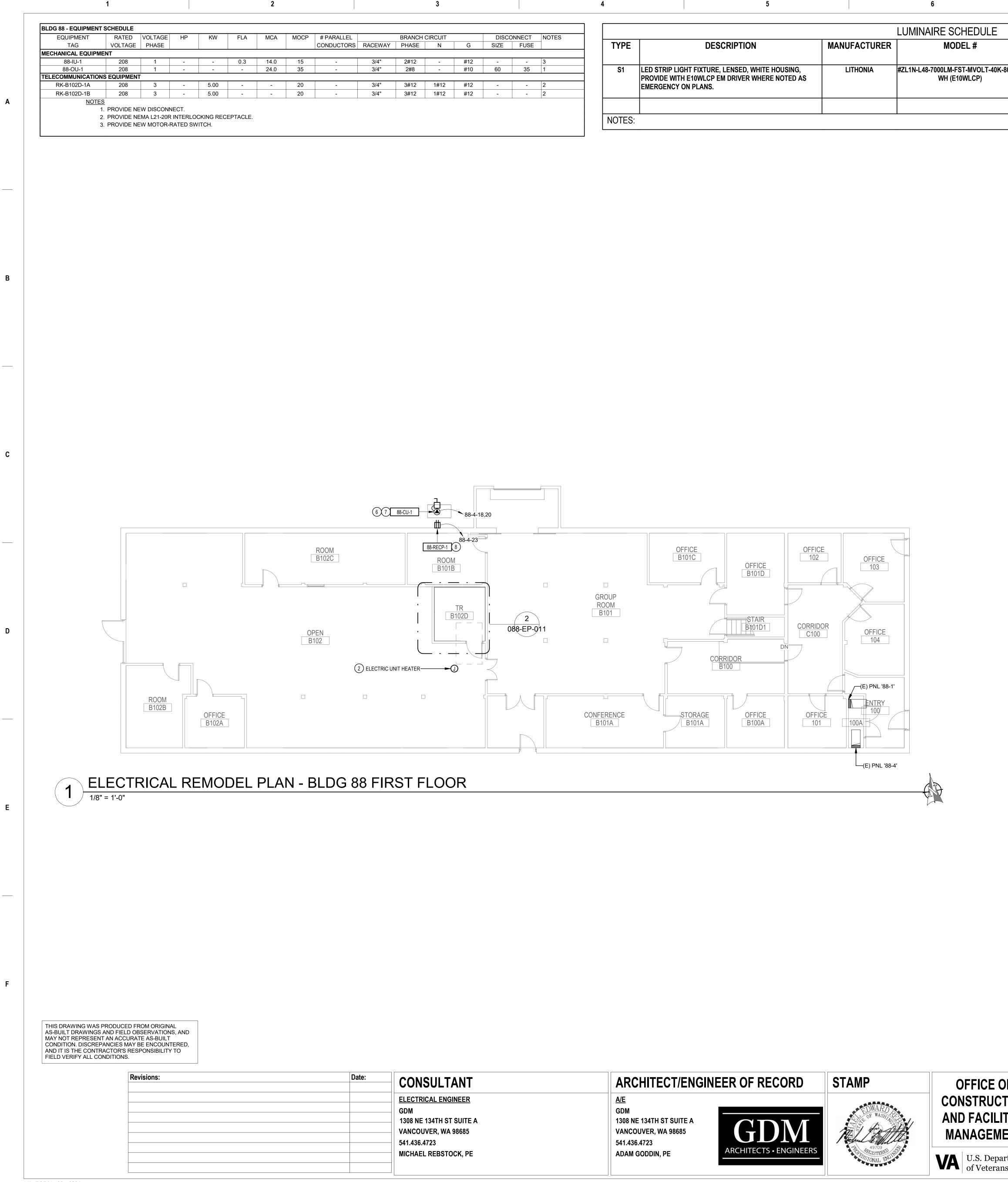
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KEYNOTES

- NEW WORK.
- EXISTING ITEMS TO REMAIN. ACCOMMODATE RELOCATED ITEMS.
- START OF WORK. MATERIALS.





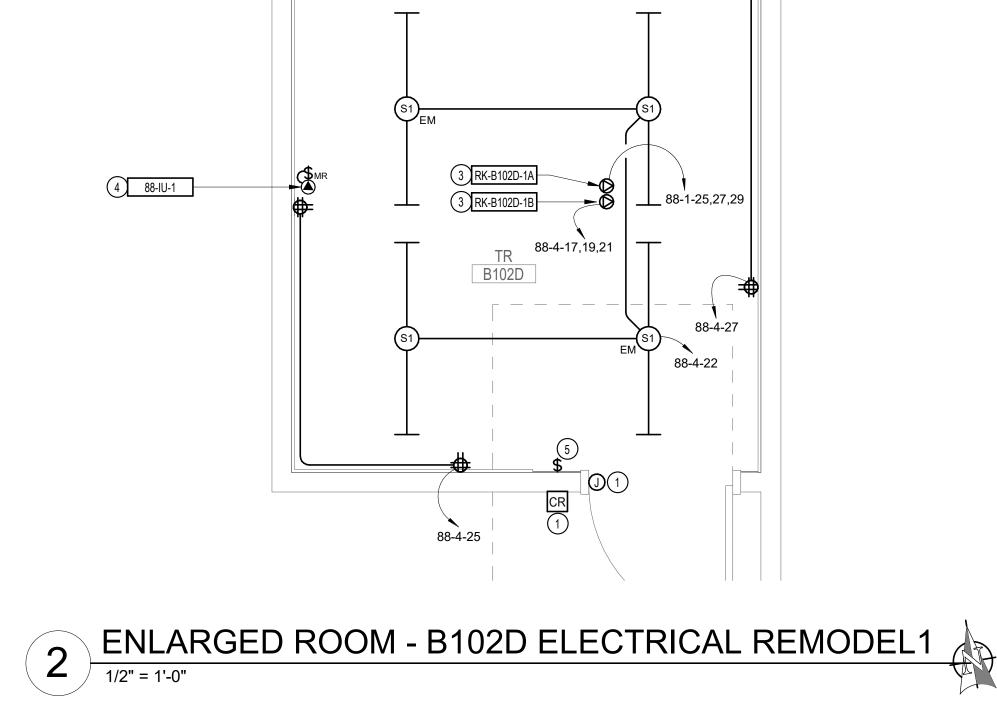
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T	DISCO	ONNECT	NOTES				LUMINAIRE SCHEDULE
	SIZE	FUSE		ТҮРЕ	DESCRIPTION	MANUFACTURER	MODEL #
-			2	_			
	60	- 35	1	\$1	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING,	LITHONIA	#ZL1N-L48-7000LM-FST-MVOLT-40
	-	-	2		PROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS EMERGENCY ON PLANS.		WH (E10WLCP)
	-	-	2				
				NOTES:			

			VA MEDICAL CI FORT MEADE
OF CTION ITIES	DRAWING TITLE ELECTRICAL REMODEL PLAN	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES
AENT Dartment ans Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	LOCATION FORT MEADE, SOUT ISSUE DATE 11/05/2024 M
	7	8	9

PROJECT KEY PLAN



			7			8
ILE						
	LAMP TYPE	CRI	DELIVERED LUMENS	COLOR TEMP	INPUT WATTS	FINISH
T-40K-80CRI-	LED	80	6785	4000K	52	WHITE

INFORMATION AND REQUIREMENTS. FEASIBILITY PRIOR TO INSTALLATION.

SPACES.

GENERAL NOTES

9

- KEYNOTES
- COMPONENTS.
- OPERATION. 3 CONTRACTOR TO PROVIDE NEW L21-20R RECEPTACLE FOR NEW RACK POWER.
- RECEPTACLE TO BE MOUNTED DIRECTLY ON CABLE TRAY.
- INDOOR UNIT AS REQUIRED FOR COMPLETE OPERATION.
- SHEET FOR ADDITIONAL INFORMATION.
- THIS SHEET FOR ADDITIONAL INFORMATION.
- COMPLETE OPERATION AND WEATHER PROTECTION.

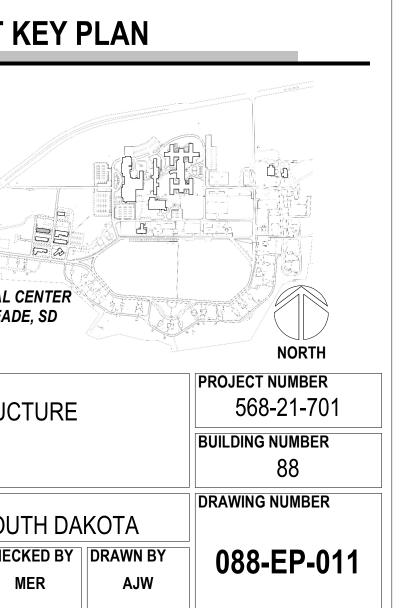
1. COORDINATE EXACT LOCATION OF MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE CORRESPONDING DISCIPLINE'S DRAWINGS. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR. 3. REFER TO ASSOCIATED TN SHEETS FOR RACK QUANTITES IN EXISTING AND NEW TR 4. REFER TO ELECTRICAL FEEDER SCHEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR FEEDER REQUIREMENTS. 5. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL 6. CONDUIT ROUTING SHOWN IS SCHEMATIC BY DESIGN. CONTRACTOR SHALL VERIFY

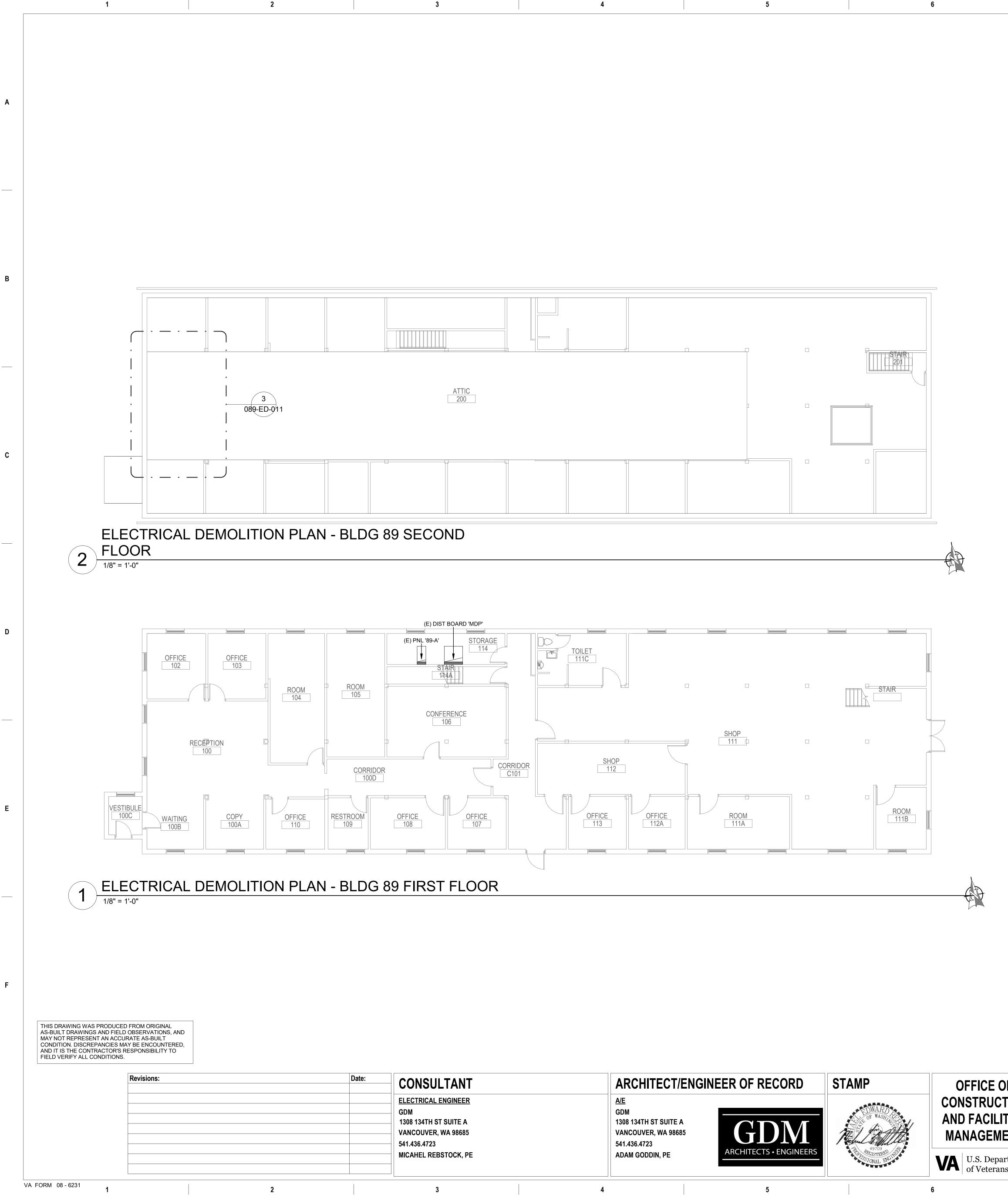
1 CONTRACTOR TO PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM 2 NEW LOCATION OF EXISTING MECHANICAL UNIT. REROUTE EXISTING CONDUIT AND CONDUCTORS TO RELOCATED MACHANICAL UNIT AS REQUIRED FOR COMPLETE

4 INDOOR MECHANICAL UNIT FED BY OUTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH AND ALL CONDUIT AND CONDUCTORS FROM CONTROLS TO 5 CONTRACTOR TO PROVIDE NEW LIGHT SWITCH. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. 6 CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS FOR NEW OUTDOOR MECHANICAL UNIT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS

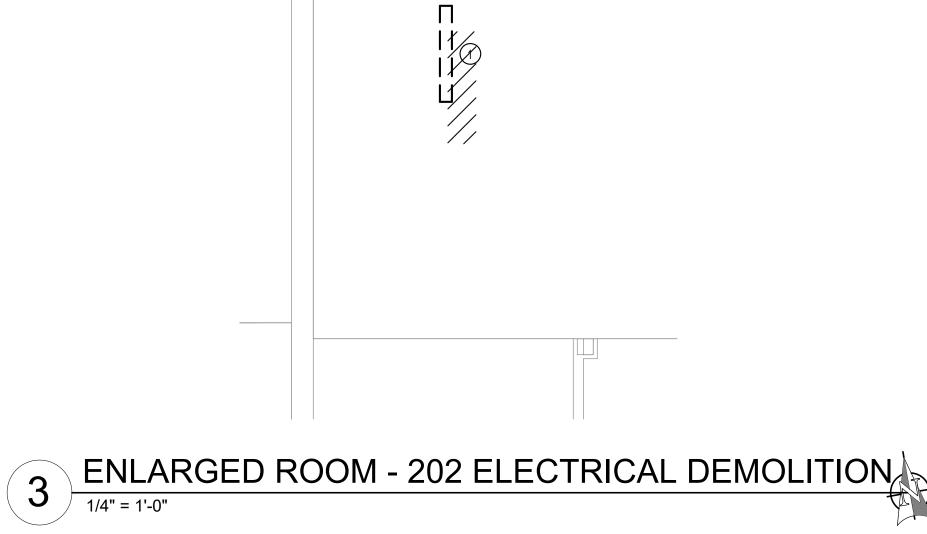
7 CONTRACTOR TO PROVIDE NEW DISCONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON 8 CONTRACTOR TO PROVIDE WET-RATED CONVENIANCE RECEPTACLE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR

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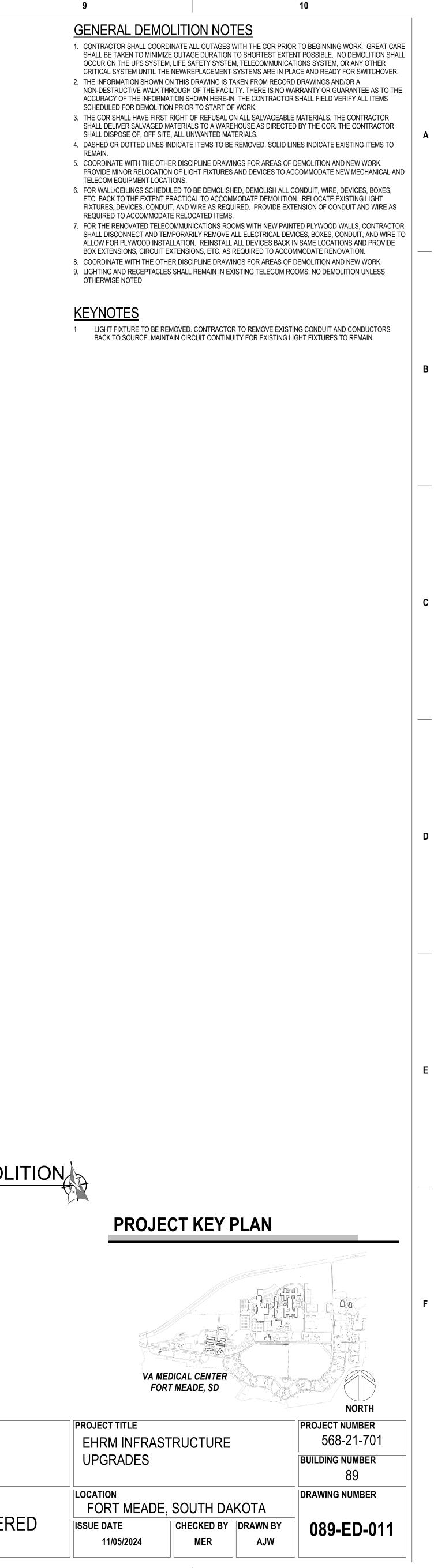


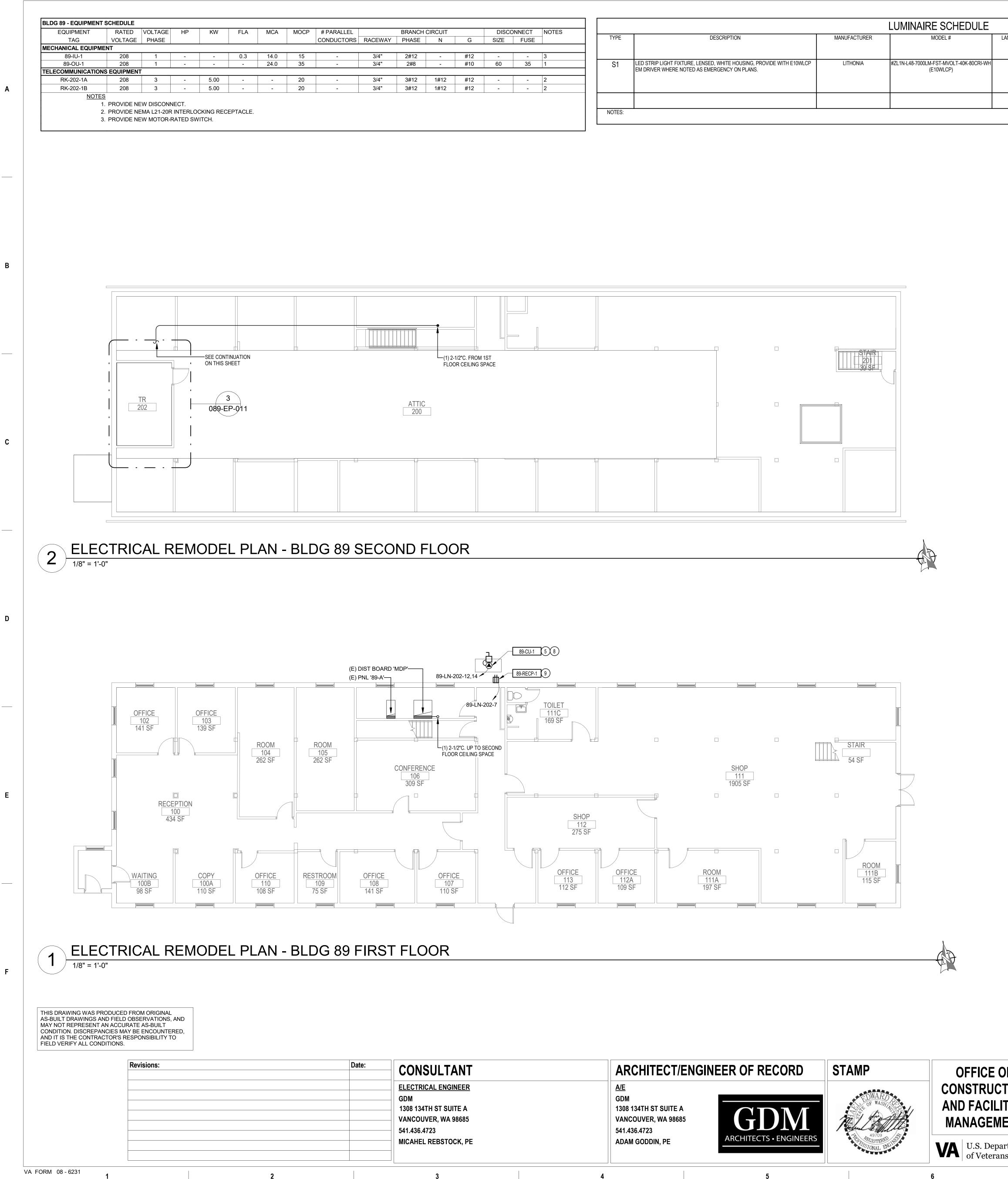


			VA MEDICAL CEL FORT MEADE,
OF CTION .ITIES	DRAWING TITLE ELECTRICAL DEMOLITION PLAN	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES
AENT Dartment ans Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FLS FULLY SPRINKLERED	LOCATION FORT MEADE, SOUT ISSUE DATE 11/05/2024 ME
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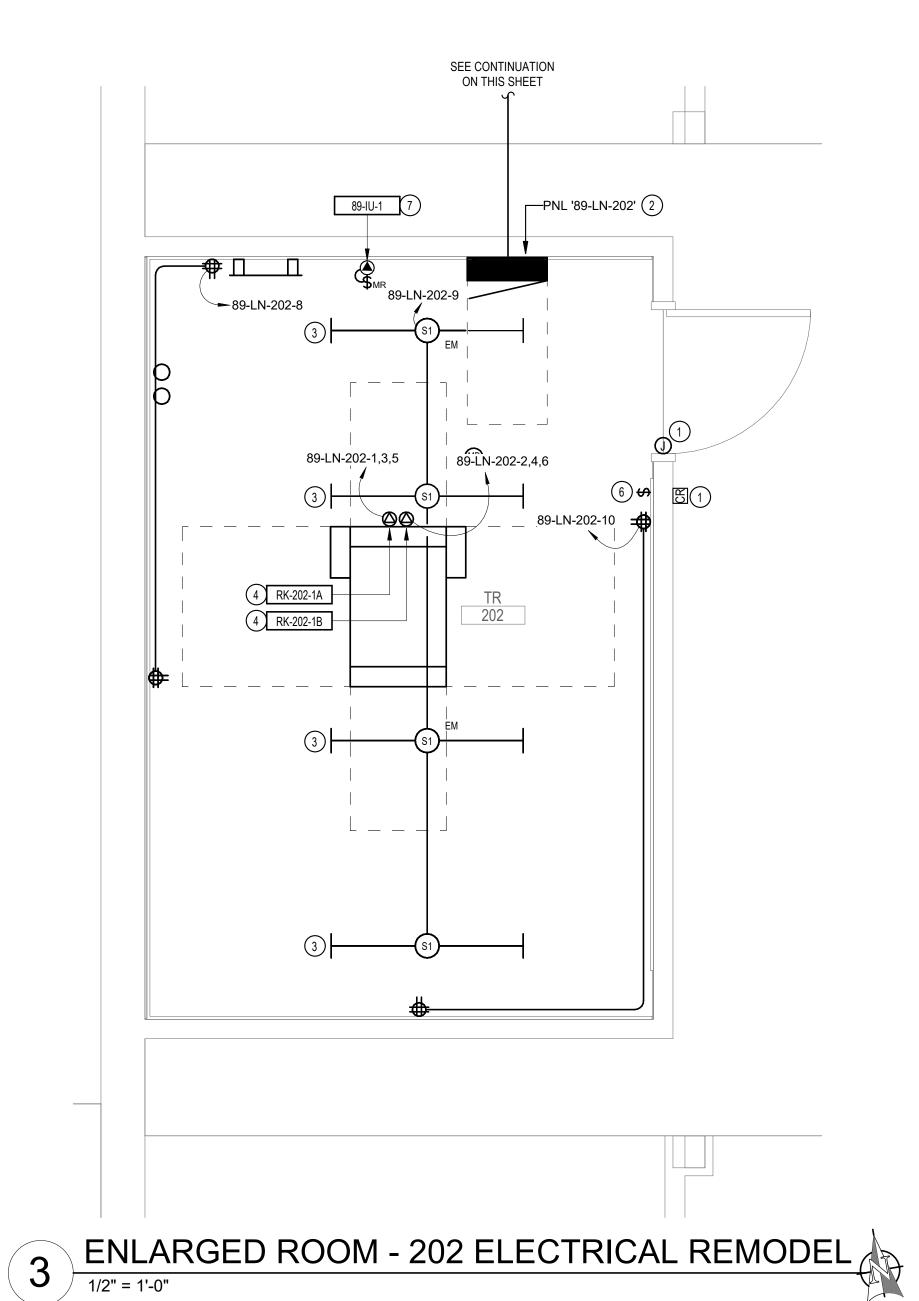
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		ONNECT	NOTES				LUMINAIRE SCHEDULE						
G	SIZE	FUSE		TYPE	DESCRIPTION	MANUFACTURER	MODEL #	LAMP TYPE	CRI	DELIVERED LUMENS	COLOR TEMP	INPUT WATTS	FINISH
#12 #10 #12 #12	- 60 - -	- 35 - -	3 1 2 2	S1	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS EMERGENCY ON PLANS.	LITHONIA	#ZL1N-L48-7000LM-FST-MVOLT-40K-80CRI-WH (E10WLCP)	LED	80	6,785	4000K	52	WHITE
				NOTES									

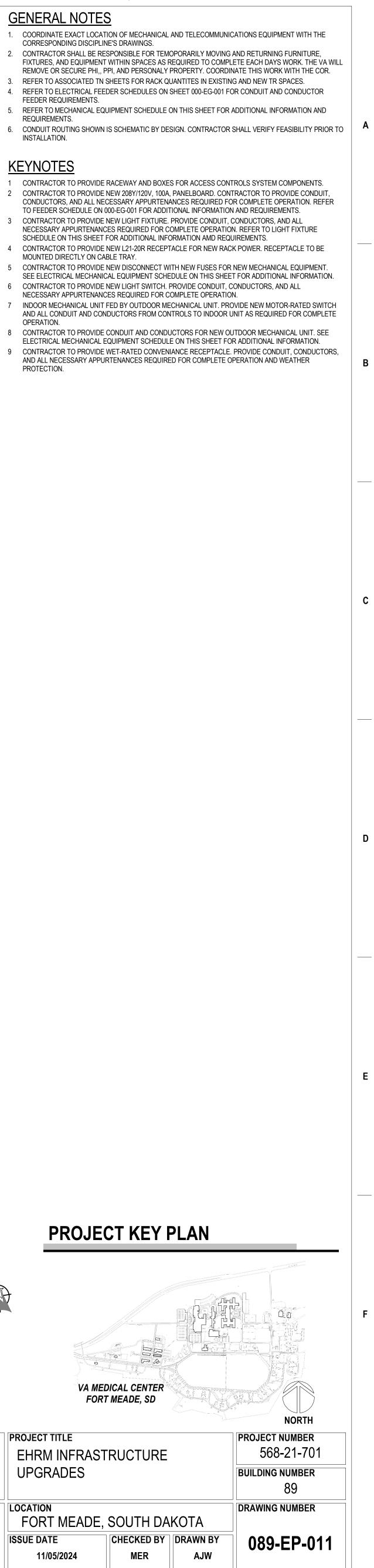
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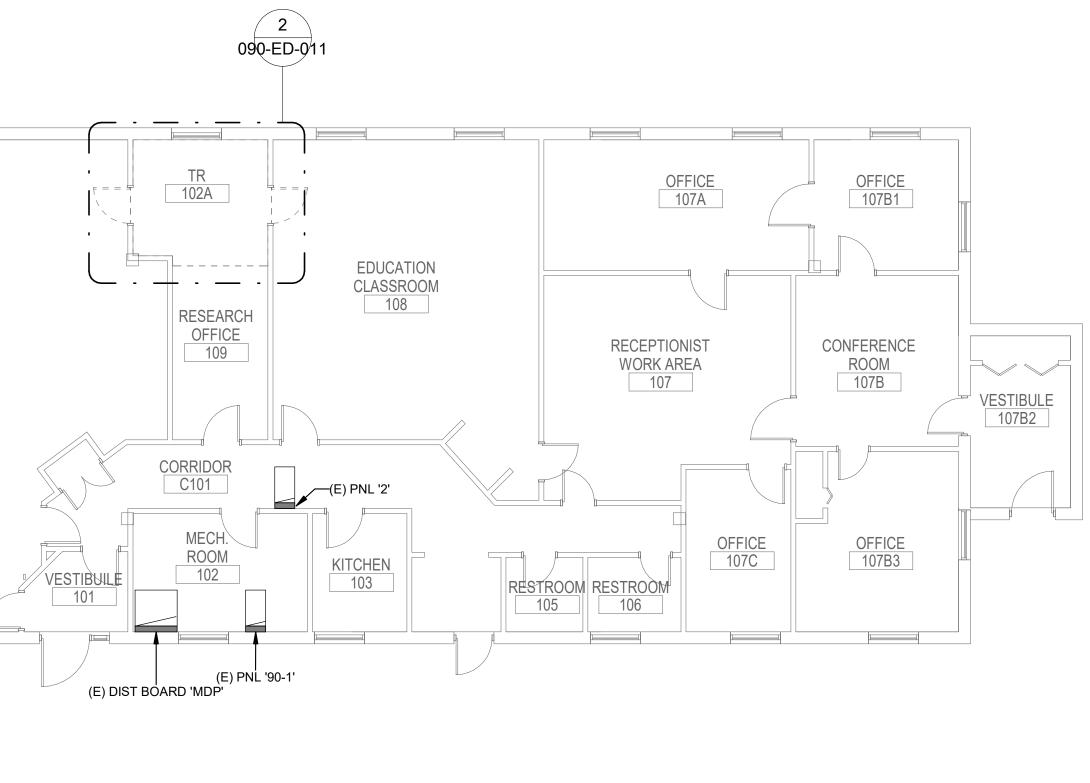
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PROTECTION.

GENERAL NOTES



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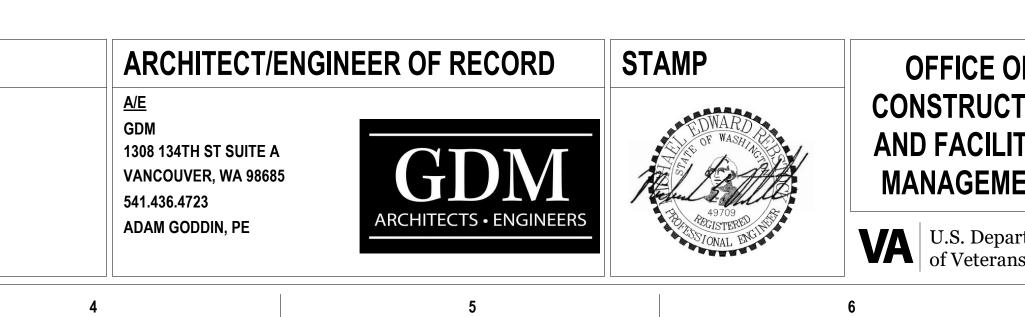


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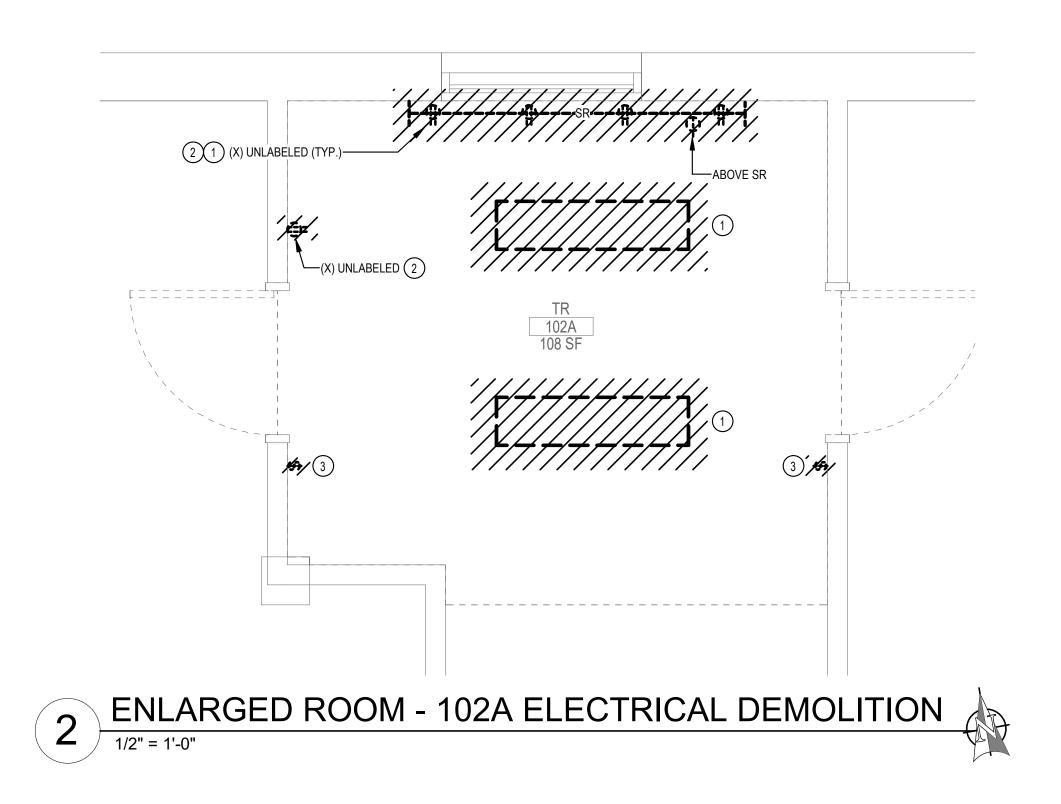
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PROJECT KEY PLAN



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GENERAL DEMOLITION NOTES SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK. SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS. REMAIN. PROVIDE MINOR RELOCATION OF LIGHT FIXTURES AND DEVICES TO ACCOMMODATE NEW MECHANICAL AND TELECOM EQUIPMENT LOCATIONS. REQUIRED TO ACCOMMODATE RELOCATED ITEMS. OTHERWISE NOTED **KEYNOTES**

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1. CONTRACTOR SHALL COORDINATE ALL OUTAGES WITH THE COR PRIOR TO BEGINNING WORK. GREAT CARE SHALL BE TAKEN TO MINIMIZE OUTAGE DURATION TO SHORTEST EXTENT POSSIBLE. NO DEMOLITION SHALL OCCUR ON THE UPS SYSTEM, LIFE SAFETY SYSTEM, TELECOMMUNICATIONS SYSTEM, OR ANY OTHER CRITICAL SYSTEM UNTIL THE NEW/REPLACEMENT SYSTEMS ARE IN PLACE AND READY FOR SWITCHOVER. 2. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND/OR A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS 3. THE COR SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE COR. THE CONTRACTOR 4. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO 5. COORDINATE WITH THE OTHER DISCIPLINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK.

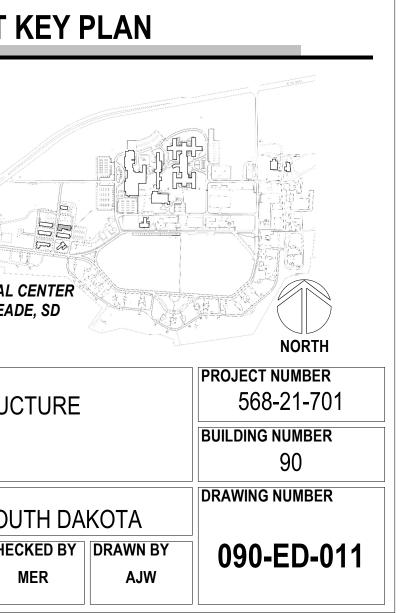
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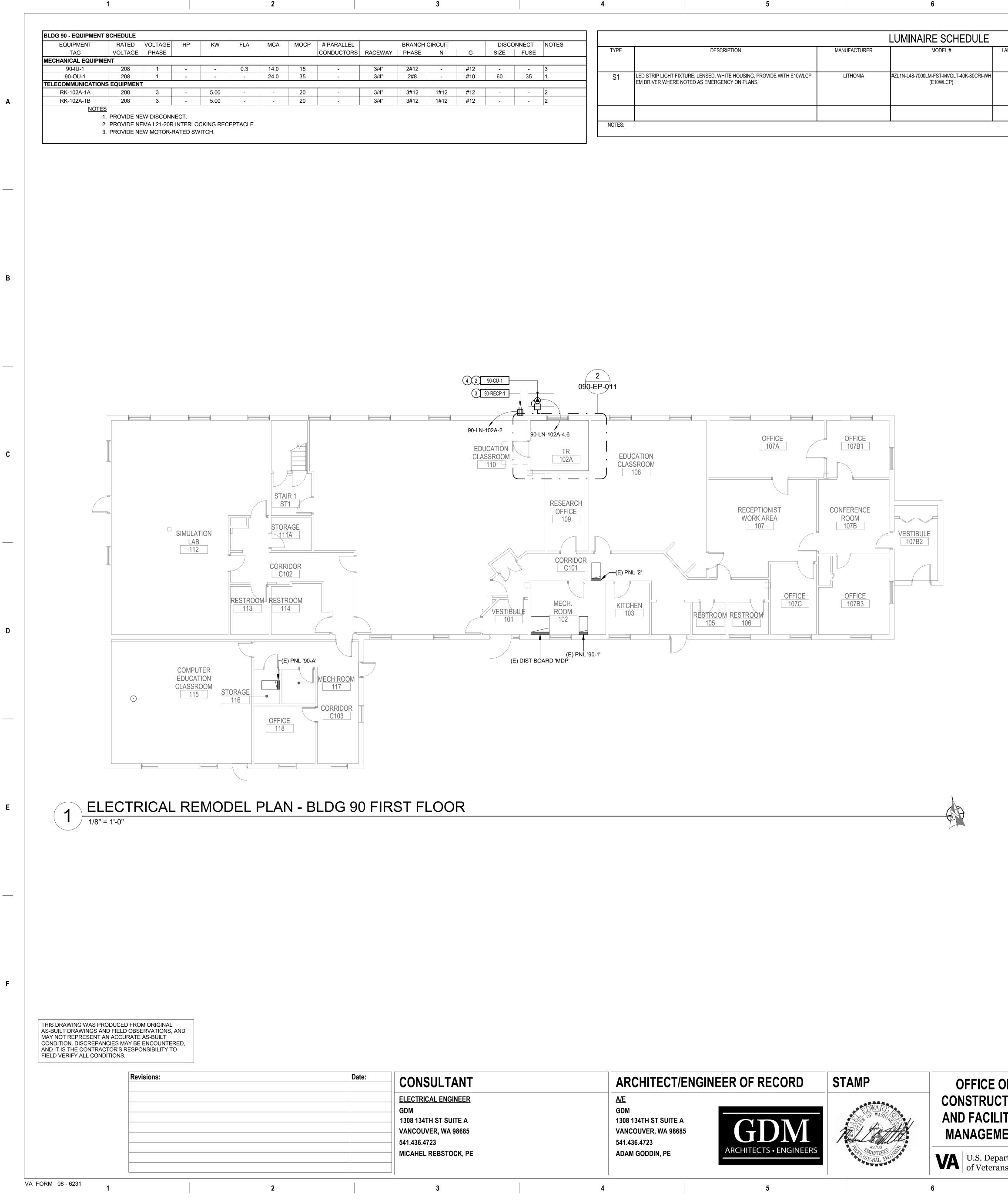
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6. FOR WALL/CEILINGS SCHEDULED TO BE DEMOLISHED, DEMOLISH ALL CONDUIT, WIRE, DEVICES, BOXES, ETC. BACK TO THE EXTENT PRACTICAL TO ACCOMMODATE DEMOLITION. RELOCATE EXISTING LIGHT FIXTURES, DEVICES, CONDUIT, AND WIRE AS REQUIRED. PROVIDE EXTENSION OF CONDUIT AND WIRE AS

7. FOR THE RENOVATED TELECOMMUNICATIONS ROOMS WITH NEW PAINTED PLYWOOD WALLS, CONTRACTOR SHALL DISCONNECT AND TEMPORARILY REMOVE ALL ELECTRICAL DEVICES, BOXES, CONDUIT, AND WIRE TO ALLOW FOR PLYWOOD INSTALLATION. REINSTALL ALL DEVICES BACK IN SAME LOCATIONS AND PROVIDE BOX EXTENSIONS, CIRCUIT EXTENSIONS, ETC. AS REQUIRED TO ACCOMMODATE RENOVATION. 8. COORDINATE WITH THE OTHER DISCIPLINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. 9. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS

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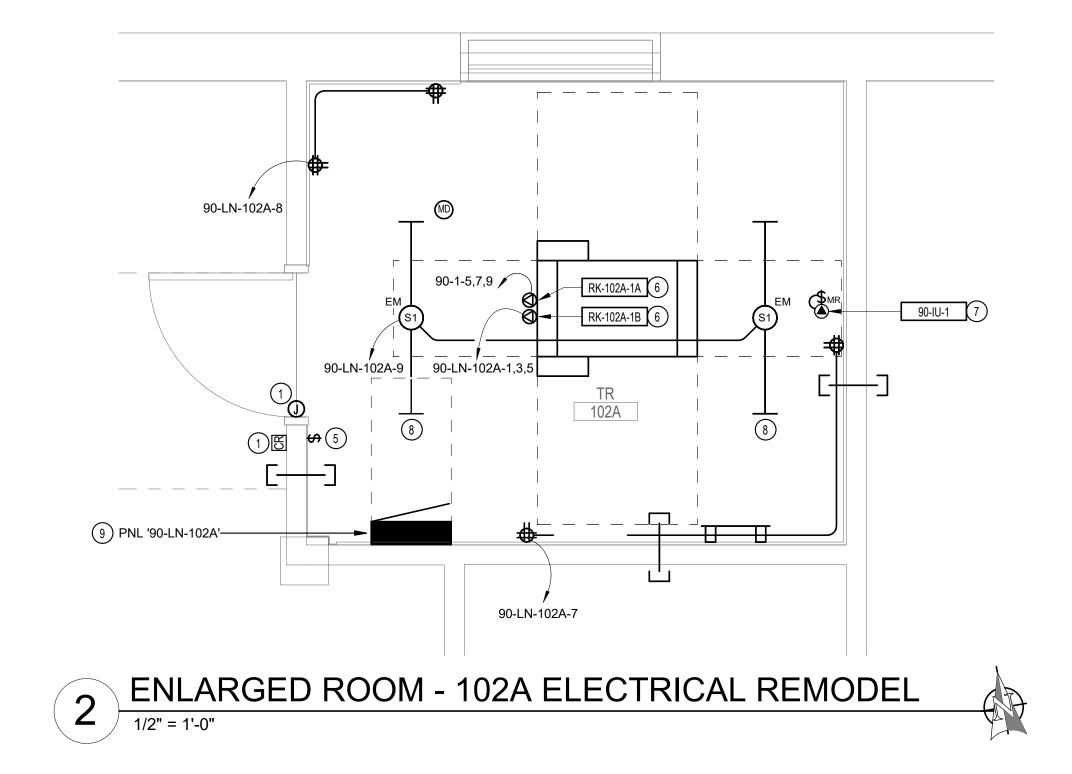




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PROJECT KEY PLAN



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	REMOVE OR SECURE PHI,, PPI, AND PE
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5.	REFER TO MECHANICAL EQUIPMENT S REQUIREMENTS.
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3	CONTRACTOR TO PROVIDE WET-RATE AND ALL NECESSARY APPURTENANCE PROTECTION.
4	CONTRACTOR TO PROVIDE CONDUIT A ELECTRICAL MECHANICAL EQUIPMENT
5	CONTRACTOR TO PROVIDE NEW LIGHT APPURTENANCES REQUIRED FOR COM
6	CONTRACTOR TO PROVIDE NEW L21-24 MOUNTED DIRECTLY ON CABLE TRAY.
7	INDOOR MECHANICAL UNIT FED BY OU AND ALL CONDUIT AND CONDUCTORS OPERATION.

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GENERAL NOTES

1. COORDINATE EXACT LOCATION OF MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE

CORRESPONDING DISCIPLINE'S DRAWINGS. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR. FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES. HEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR

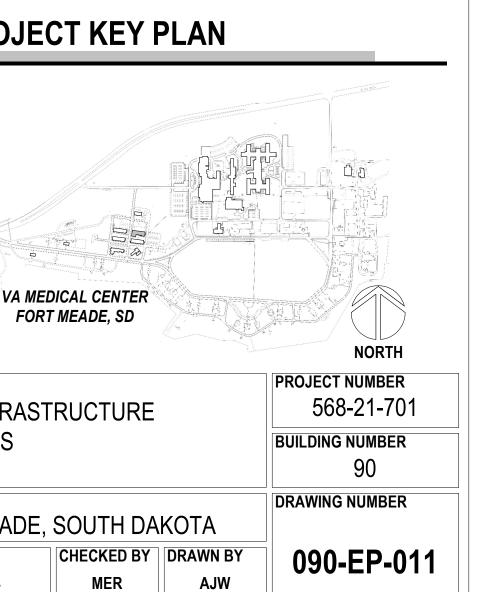
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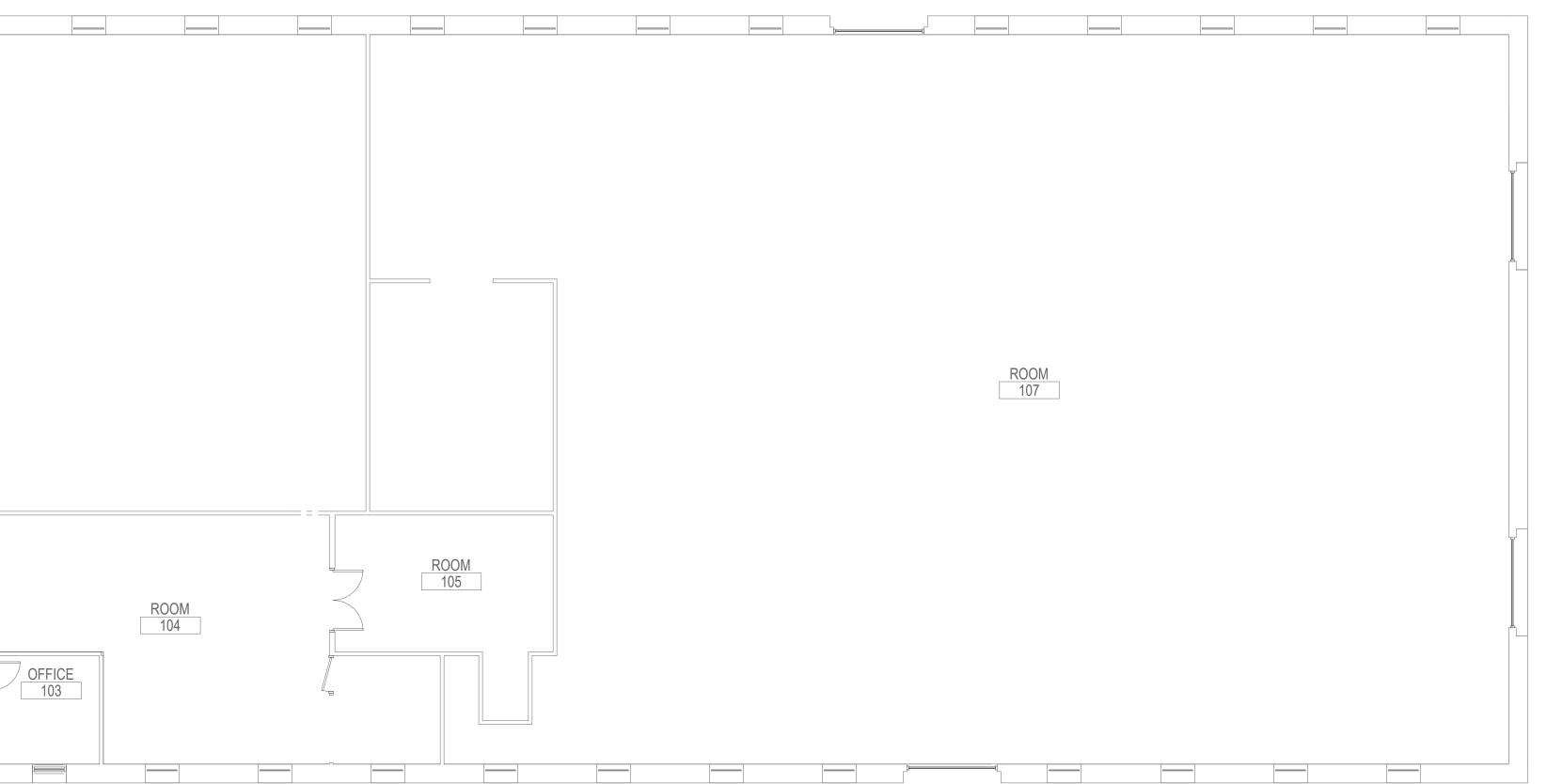
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8 CONTRACTOR TO PROVIDE NEW LIGHT FIXTURE, PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AMD REQUIREMENTS. 9 CONTRACTOR TO PROVIDE NEW 208Y/120V, 100A, PANELBOARD. CONTRACTOR TO PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO FEEDER SCHEDULE ON 000-EG-001 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



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DEMOLITION PLAN - BLDG 110 FIRST FLOOR

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FOR OFFICIAL USE ONLY ((FOUO)

ELECTRICAL DEMOLITION PLAN -FIRST FLOOR APPROVED: Project Director

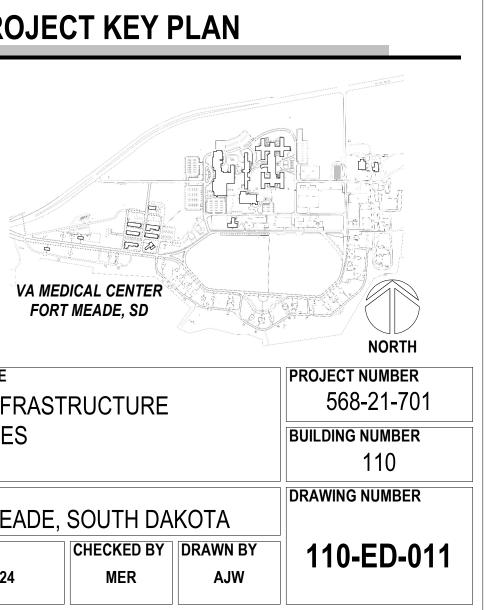
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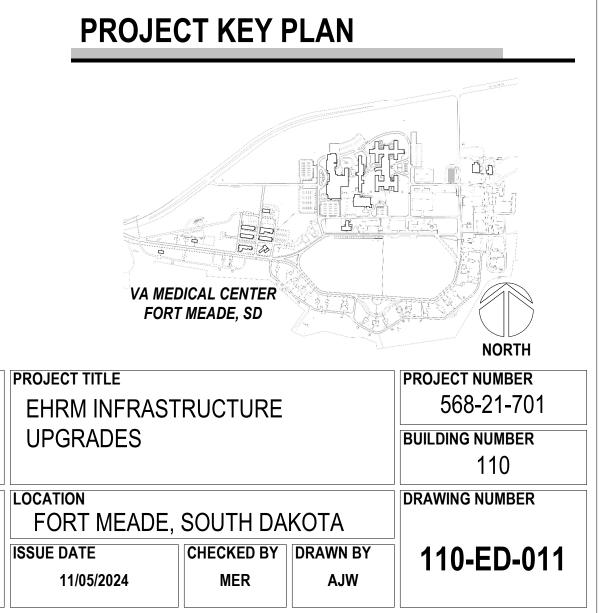
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FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION DOCUMENTS

EHRM INFRASTRUCTURE UPGRADES LOCATION **ISSUE DATE** 11/05/2024





9 **GENERAL DEMOLITION NOTES** 1. CONTRACTOR SHALL COORDINATE ALL OUTAGES WITH THE COR PRIOR TO BEGINNING WORK. GREAT CARE SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK. SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS. REMAIN. TELECOM EQUIPMENT LOCATIONS. 6. FOR WALL/CEILINGS SCHEDULED TO BE DEMOLISHED, DEMOLISH ALL CONDUIT, WIRE, DEVICES, BOXES, REQUIRED TO ACCOMMODATE RELOCATED ITEMS. 7. FOR THE RENOVATED TELECOMMUNICATIONS ROOMS WITH NEW PAINTED PLYWOOD WALLS, CONTRACTOR OTHERWISE NOTED **KEYNOTES**

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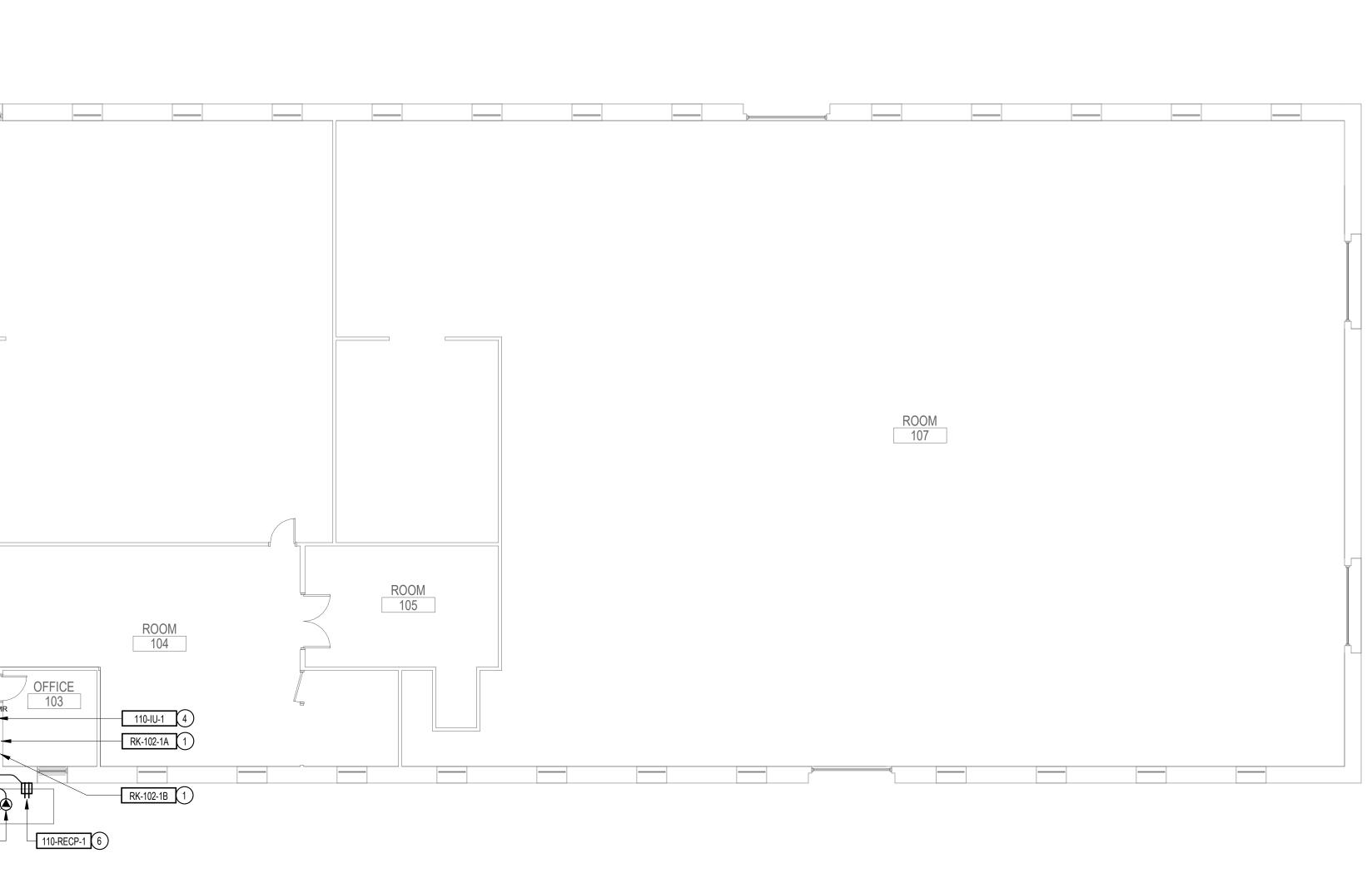
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	BLDG 110 - EQUIPMENT EQUIPMENT	RATED	VOLTAGE	HP	KW	FLA	MCA	MOCP	# PARALLEL		BRANCH CIRCUIT		DI
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REMODEL PLAN - BLDG 110 FIRST FLOOR

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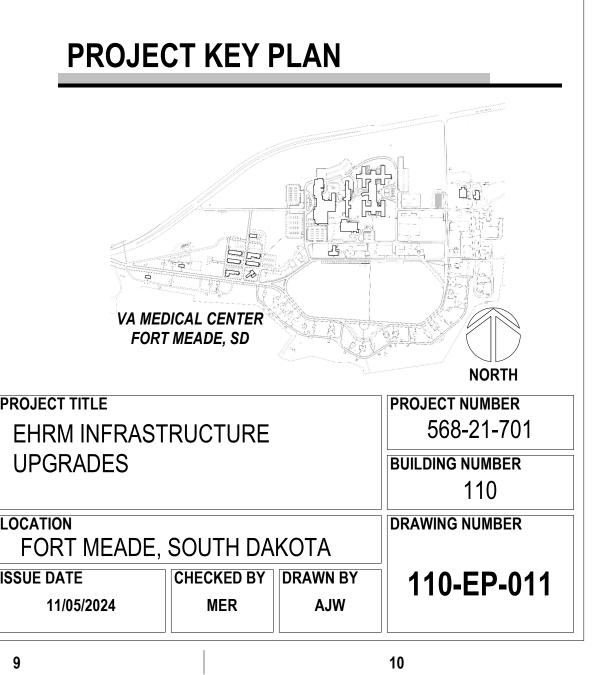
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OF	ELECTRICAL REMODEL PLAN -
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MENT	APPROVED: Project Director

FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION DOCUMENTS

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION **ISSUE DATE** 11/05/2024





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OPERATION.

FEEDER REQUIREMENTS.

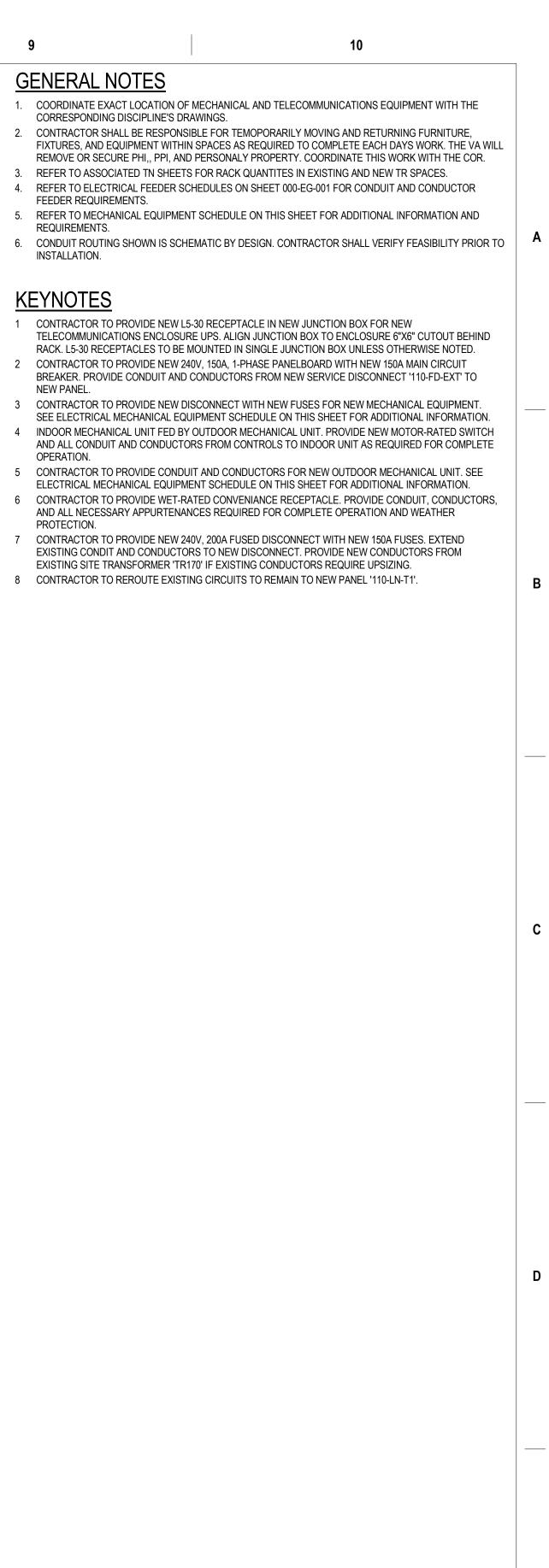
REQUIREMENTS.

INSTALLATION.

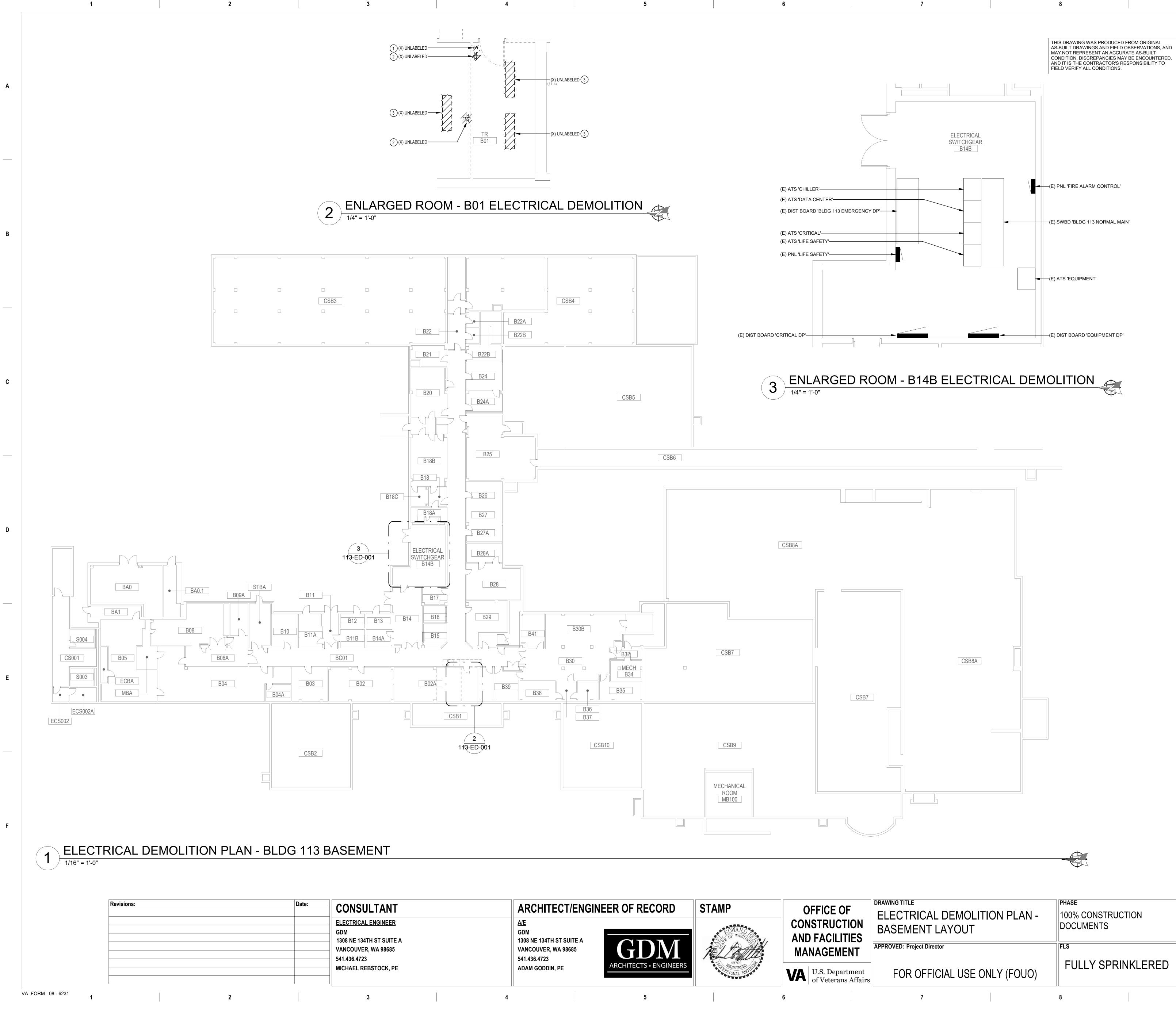
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NEW PANEL.

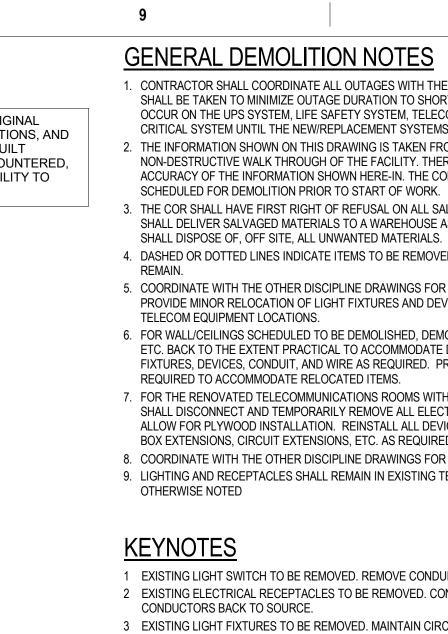
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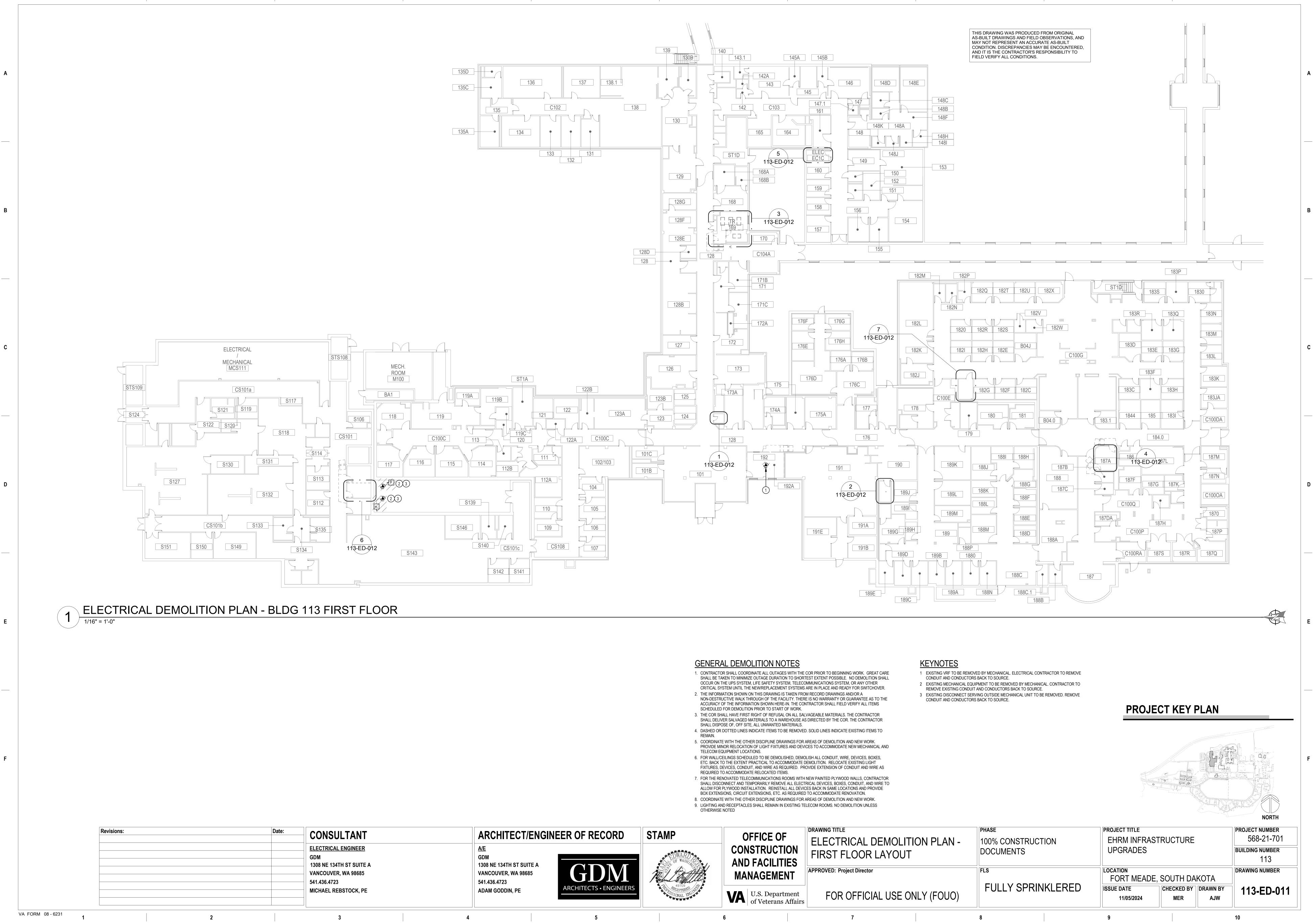
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MENT epartment rans Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	LOCATION FORT MEADE, SOUT ISSUE DATE 11/05/2024 ME
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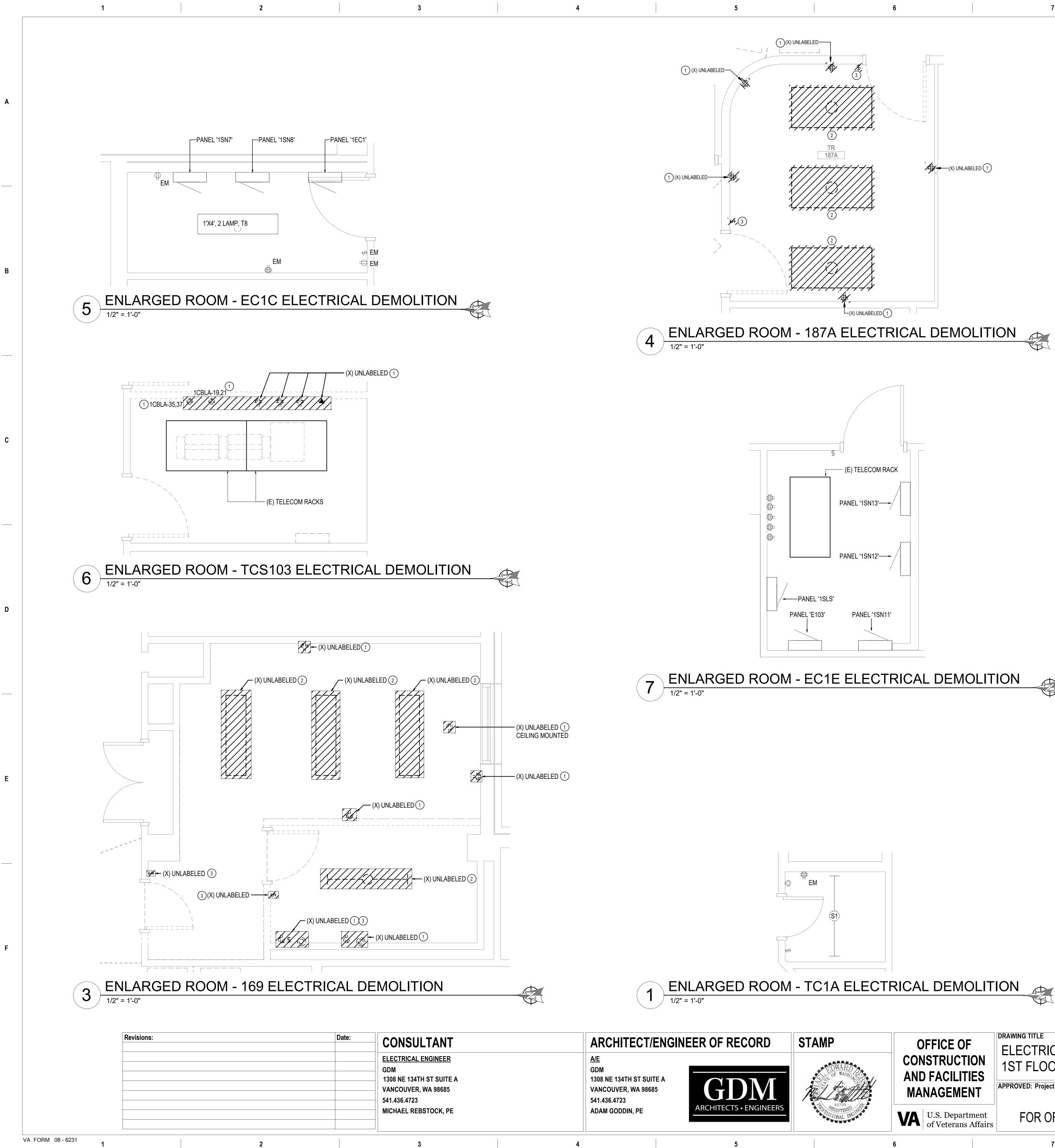
FIXTURES IN CIRCUIT.

PROJECT KE

NOTES DUTAGES WITH THE COR PRIOR TO BEGINNING WORK. GREAT CARE DURATION TO SHORTEST EXTENT POSSIBLE. NO DEMOLITION SHALL TY SYSTEM, TELECOMMUNICATIONS SYSTEM, OR ANY OTHER ACEMENT SYSTEMS ARE IN PLACE AND READY FOR SWITCHOVER. WING IS TAKEN FROM RECORD DRAWINGS AND/OR A THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE N HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS START OF WORK. EFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR O A WAREHOUSE AS DIRECTED BY THE COR. THE CONTRACTOR NED MATERIALS. WIS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO NE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. FIXTURES AND DEVICES TO ACCOMMODATE NEW MECHANICAL AND DEMOLISHED, DEMOLISH ALL CONDUIT, WIRE, DEVICES, BOXES, O ACCOMMODATE DEMOLITION. RELOCATE EXISTING LIGHT E AS REQUIRED. PROVIDE EXTENSION OF CONDUIT AND WIRE AS ED ITEMS. INONS ROOMS WITH NEW PAINTED PLYWOOD WALLS, CONTRACTOR REMOVE ALL ELECTRICAL DEVICES, BOXES, CONDUIT, AND WIRE TO EINSTALL ALL DEVICES BACK IN SAME LOCATIONS AND PROVIDE INSTALL ALL DEVICES BACK IN SAME LOCATIONS AND PROVIDE I, ETC. AS REQUIRED TO ACCOMMODATE RENOVATION. NE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. (AIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS	A
D. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE. D BE REMOVED. CONTRACTOR TO REMOVE EXISTING CONDUIT AND /ED. MAINTAIN CIRCUIT CONTINUITY FOR REMAINING LIGHT	В
	C
	D
	E
EYPLAN	F
PROJECT NUMBER 568-21-701BUILDING NUMBER 113TH DAKOTADRAWN BY AJW113-ED-001	

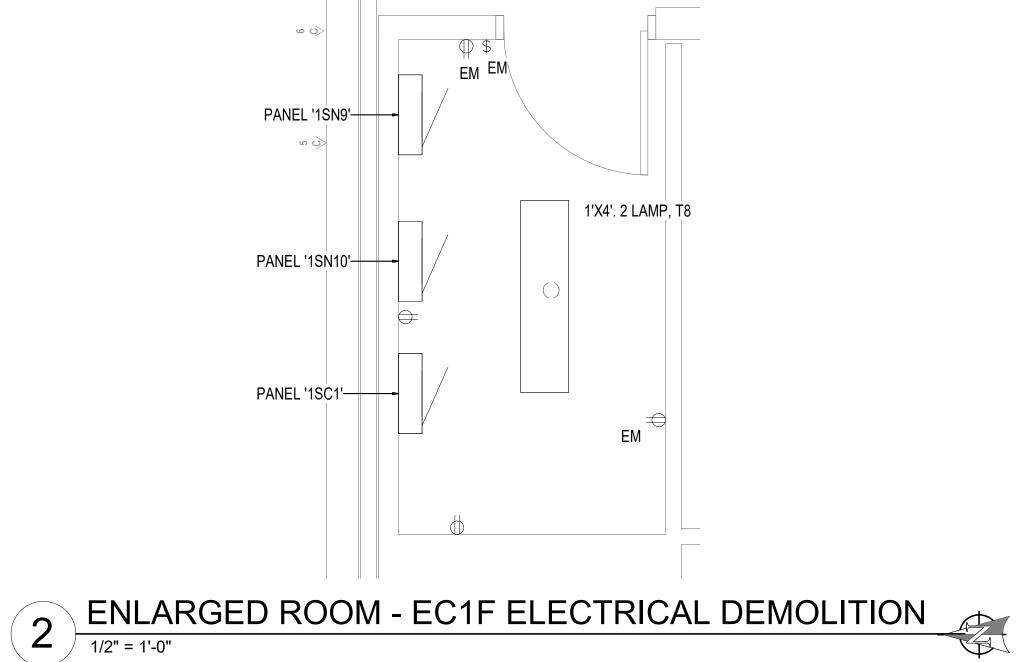


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OF CTION LITIES	DRAWING TITLE ELECTRICAL DEMOLITION PLAN - 1ST FLOOR ENLARGED PLANS	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES
MENT epartment rans Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FLS FULLY SPRINKLERED	LOCATION FORT MEADE, SOUT ISSUE DATE 11/05/2024
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PROJECT KEY PLAN



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THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

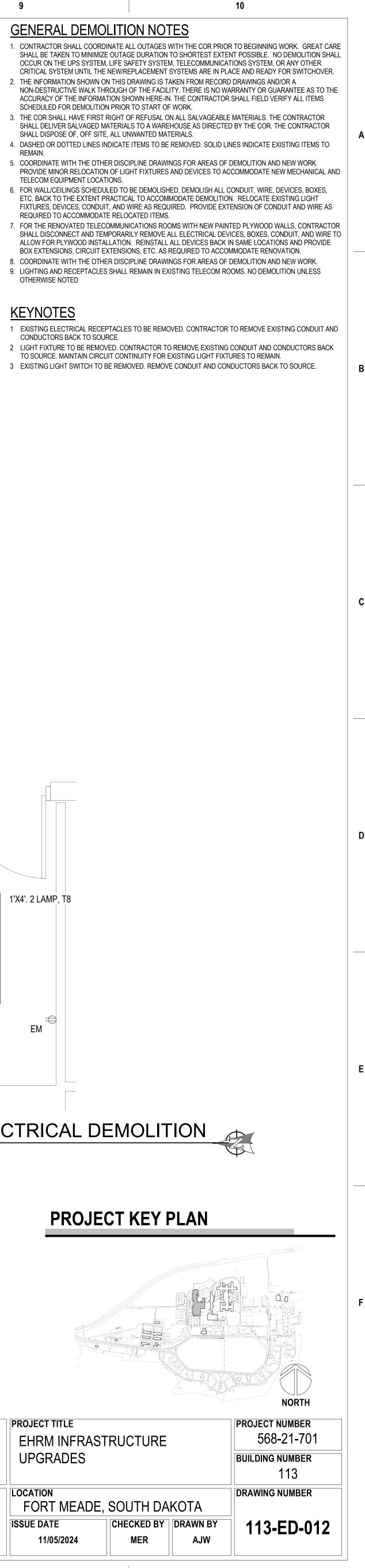
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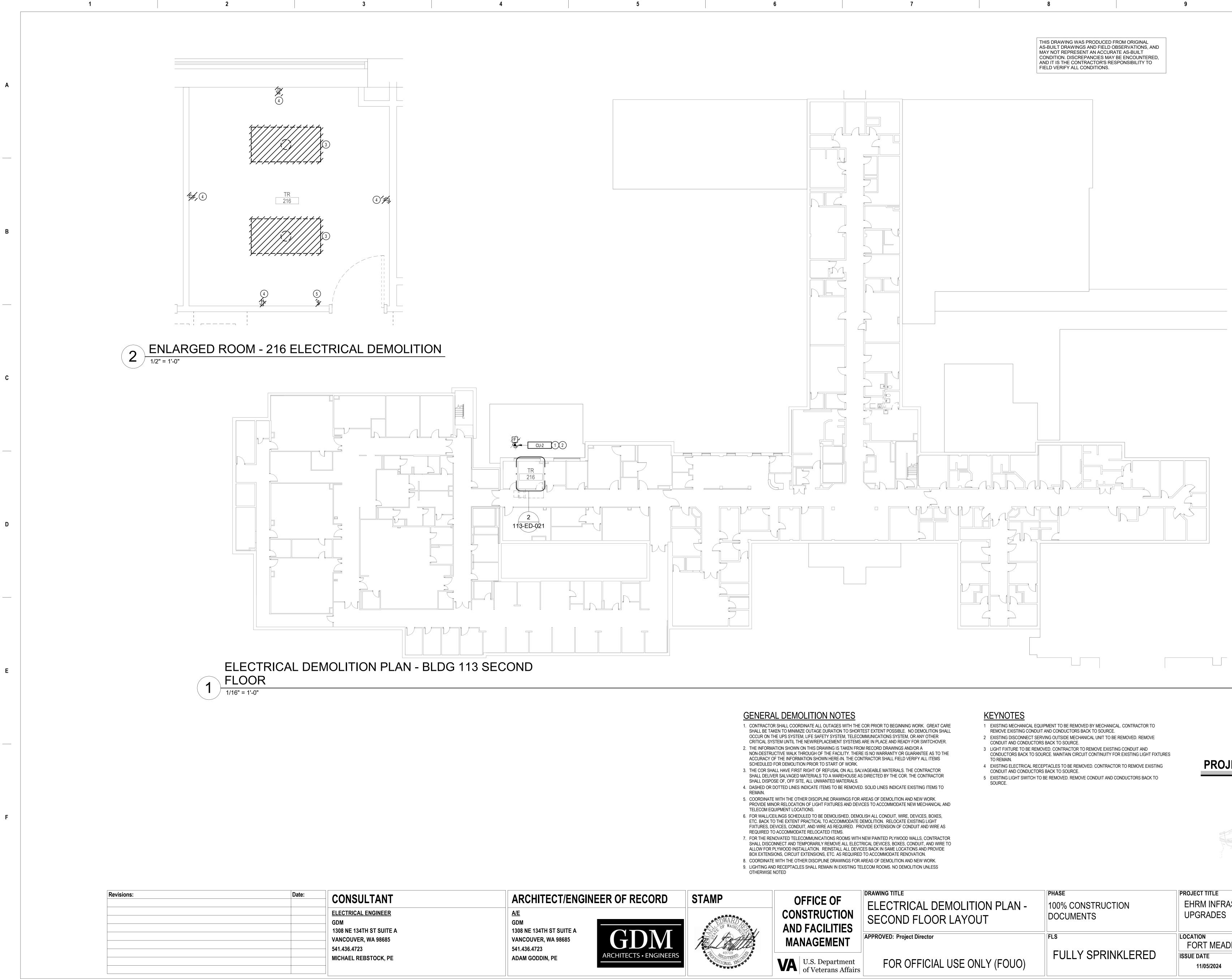
SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS. REMAIN. TELECOM EQUIPMENT LOCATIONS. REQUIRED TO ACCOMMODATE RELOCATED ITEMS.

OTHERWISE NOTED

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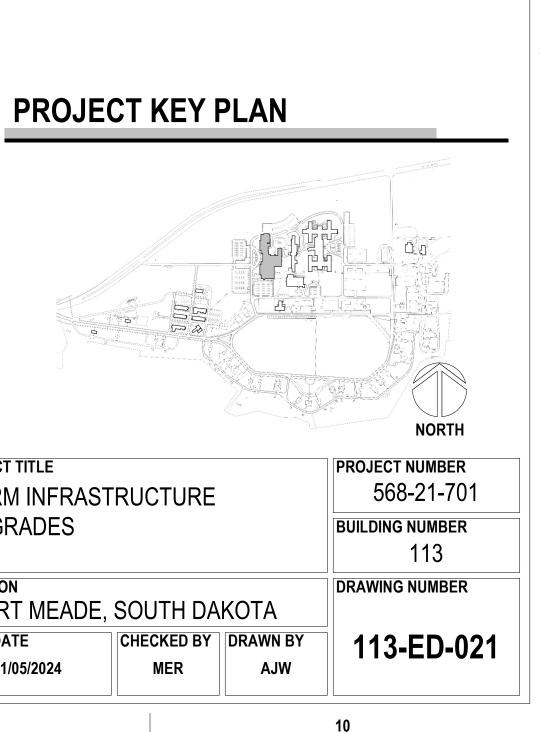
- <u>KEYNOTES</u>
- CONDUCTORS BACK TO SOURCE.



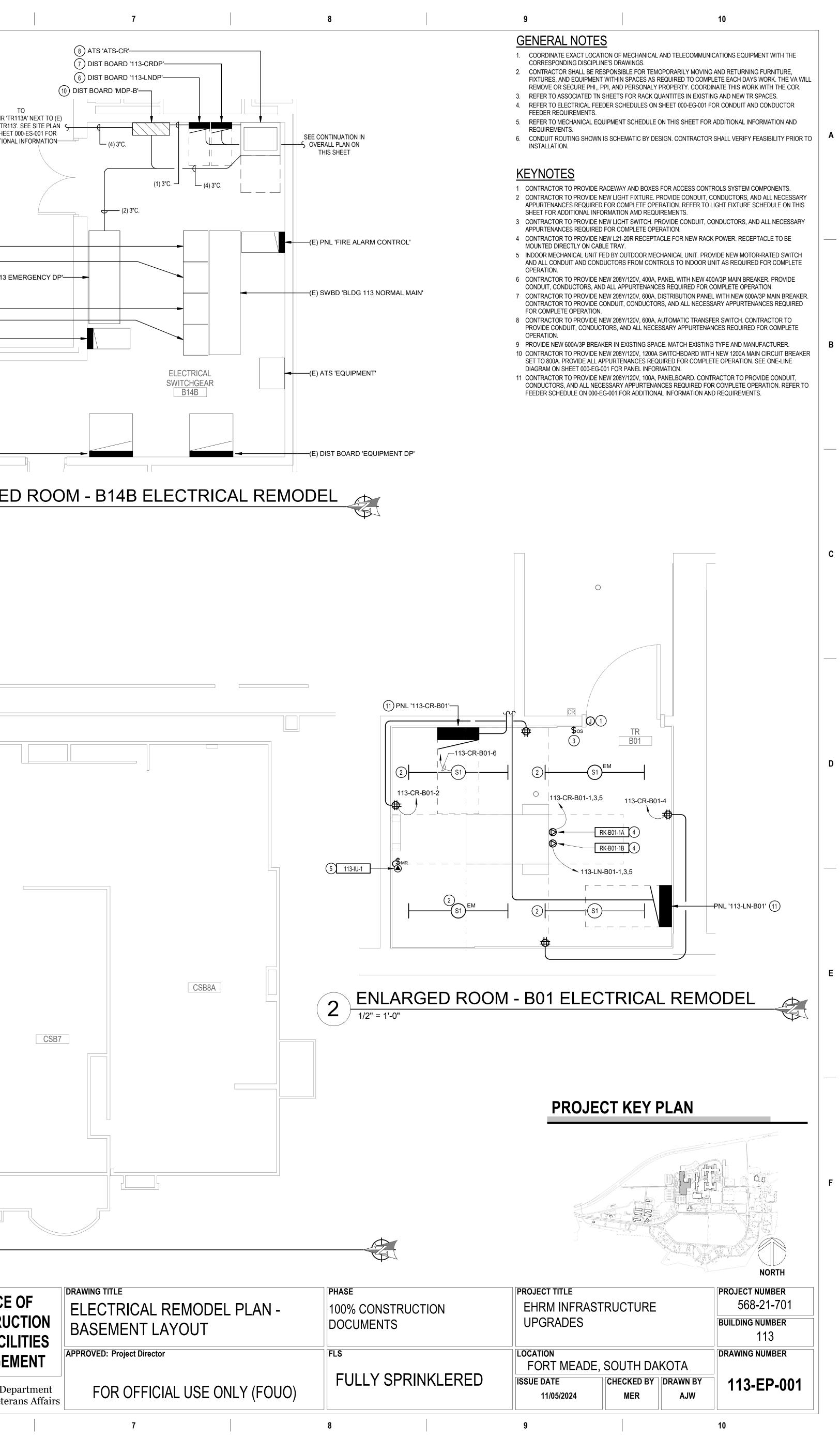


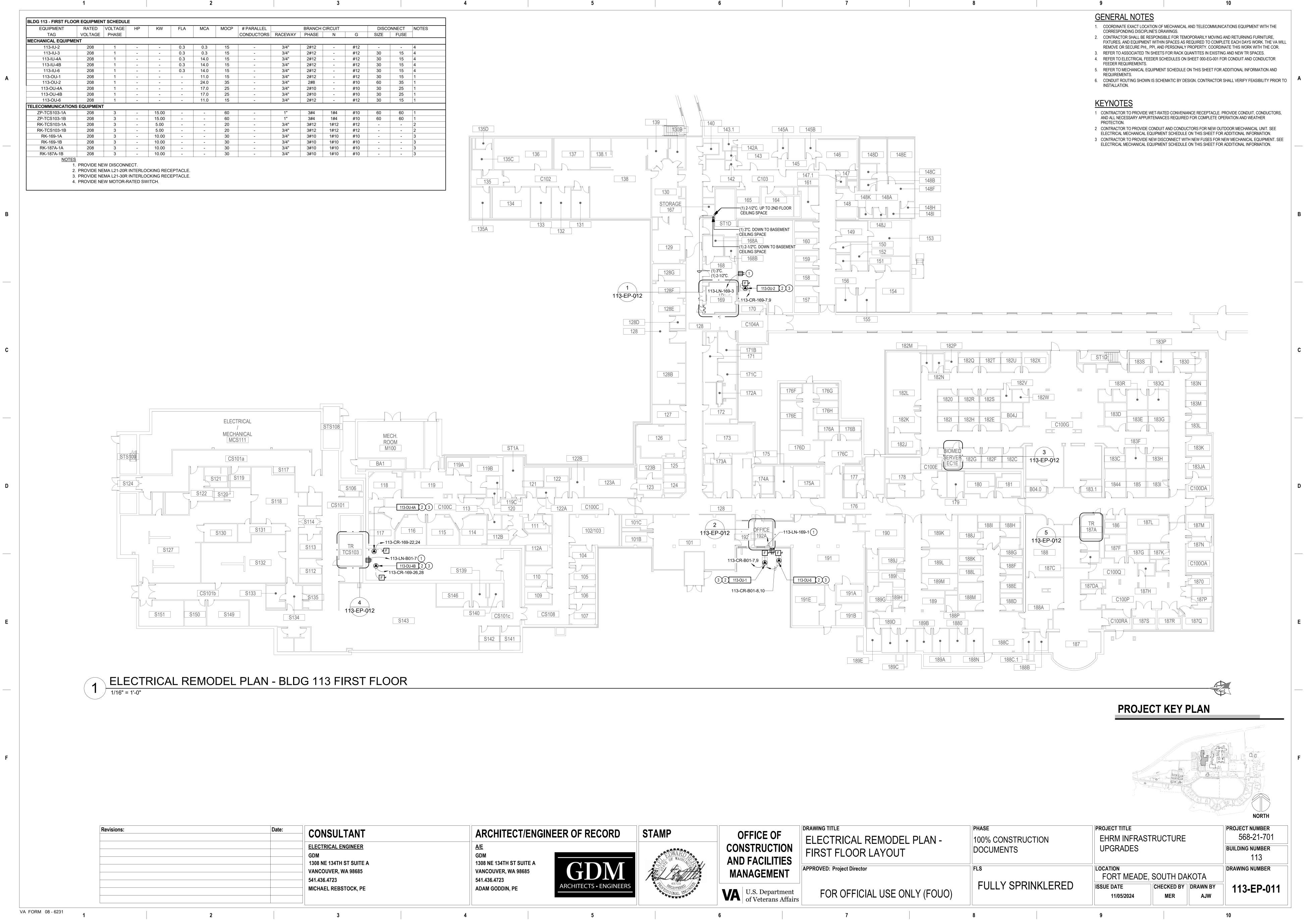
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EHRM INFRASTRUCTURE FORT MEADE, SOUTH DAKOTA

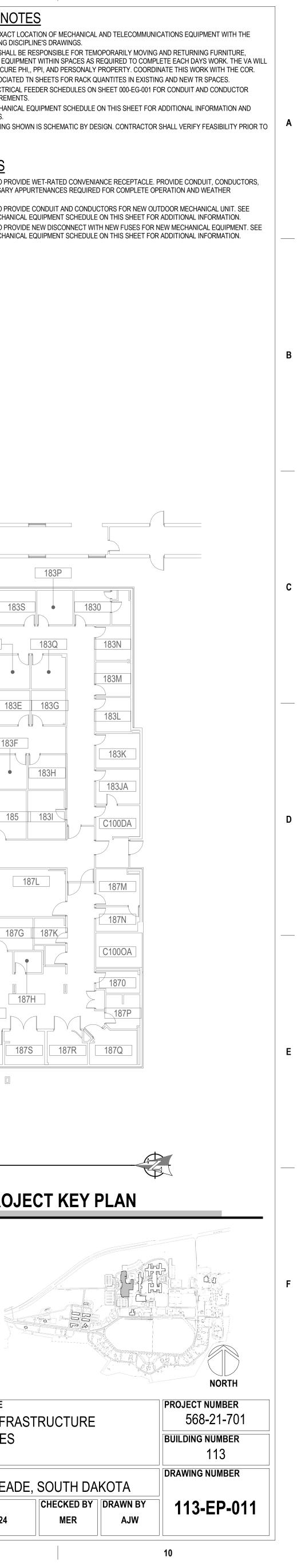


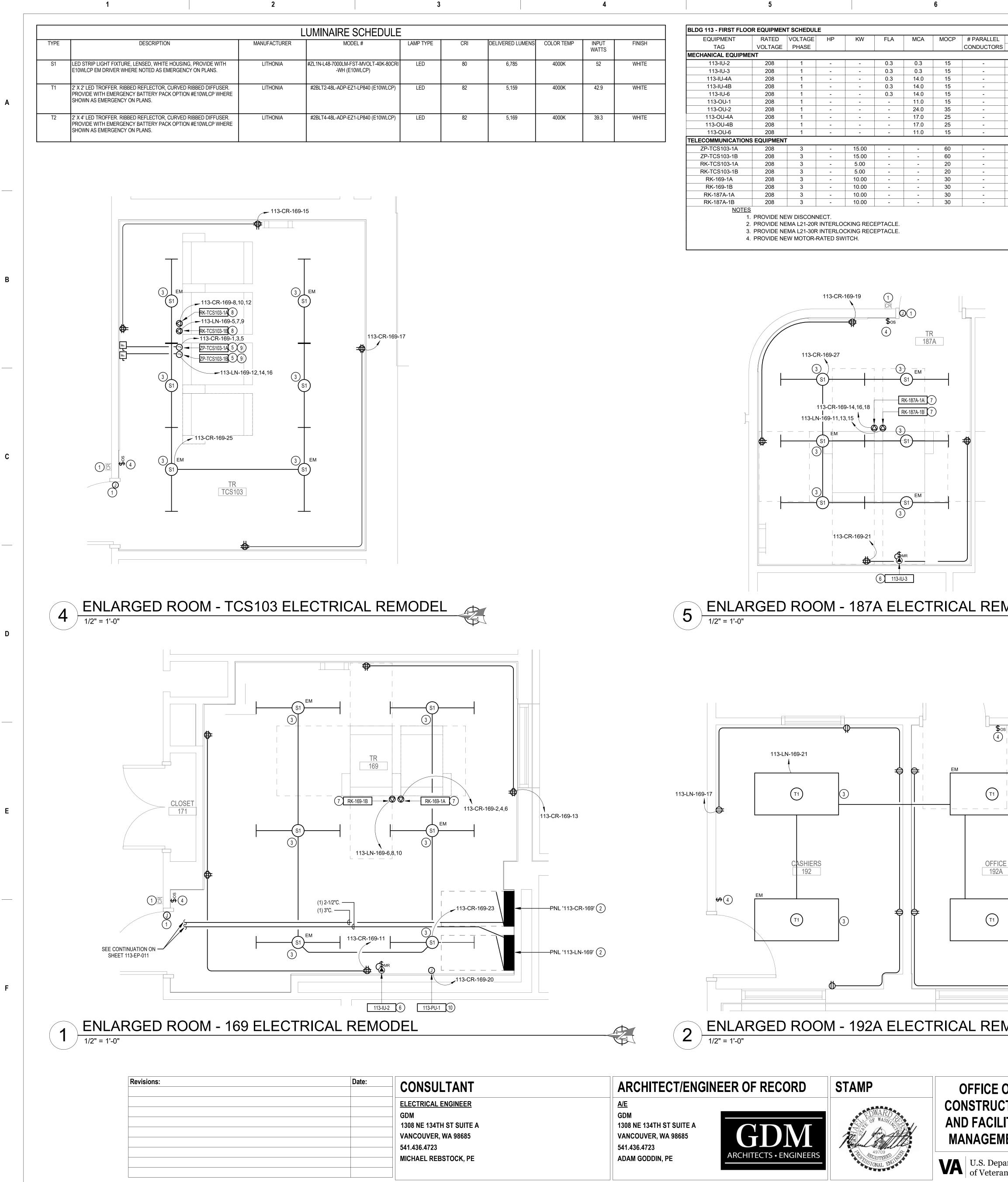
		GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE	GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE	GDN ARCHITECTS • ENGINEERS	TOWARD OF WASHING TO F WASHING	AND FACIL MANAGEN VA U.S. Dep of Vetera
1 1/16" = 1'-0"	DEL FLAN - DEDG TTS DAGE	CONSULTANT ELECTRICAL ENGINEER	ARCHITECT/ENG	INEER OF RECORD	STAMP	OFFICE CONSTRUC
	ODEL PLAN - BLDG 113 BASE				MECHANICAL ROOM MB100	
	CSB2	11	2 3-EP-001			
ECS002A ECS002				6 7 CSB10	CSB9	
CS001 B05 ECBA MBA	B06A B04 B04 B04A B04A	BC01	B39 B38 B38	B32 B32 B34 B34 B35		
BA1 S004		B12 B13 B14 B16 B11B B14A B15	B29 B30B B41		CSB7	
	BA0.1 BO9A B11	(1) 2-1/2 C. (1) 3"C. ELECTRICAL SWITCHGEAR B14B B17	(2) 2"C. B28			
		3 113-EP-001 (4) 2"C. (1) 2-1/2"C.	(2) 2"C. (1) 2-1/2"C. (1) 3"C. B27A B28A			CSB8A
		B18B B18C		CSB6		
		B21 B21 B20	(1) 3"C. UP TO 1ST FLOOR CEILING SPACE (1) 2-1/2"C. UP TO 1ST FLOOR CEILING SPACE B24 B24A	CSB5		
			CSB4			ENLARGE
					(E) DIST BOARD 'CF	ITICAL DP'
					(E	E) ATS 'CRITICAL'
	TELECOMMUNICATIONS EQUIPMENT RK-B01-1A 208 3 - 5.00	20 - 3/4" 20 - 3/4"	2#12 - #12 - 3 3#12 1#12 #12 - - 2 3#12 1#12 #12 - - 2		(E 9) (E	E) ATS 'CHILLER'
	TAG VOLTAGE PHASE MECHANICAL EQUIPMENT	FLA MCA MOCP # PARALLEL CONDUCTORS RACEWAY				
	T1 2' X 2' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED DIFFUSER. PROVIDE WITH EMERGENCY BATTERY PACK OPTION #E10WLCP WHERE SHOWN AS EMERGENCY ON PLANS. T2 2' X 4' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED DIFFUSER. PROVIDE WITH EMERGENCY BATTERY PACK OPTION #E10WLCP WHERE SHOWN AS EMERCENCY ON PLANS.	LITHONIA #2BLT2-48L-ADP-EZ1-LP840 (E10WLCF		4000К 42.9 WHITE 4000К 39.3 WHITE		(N) XFMR 'T XFMR 'TR1 ON SHEE ADDITION
ELD VERIFY ALL CONDITIONS.	S1 LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS EMERGENCY ON PLANS.	LITHONIA #ZL1N-L48-7000LM-FST-MVOLT-40K-800 -WH (E10WLCP)	RI LED 80 6,785	WATTS 4000К 52 WHITE	-	





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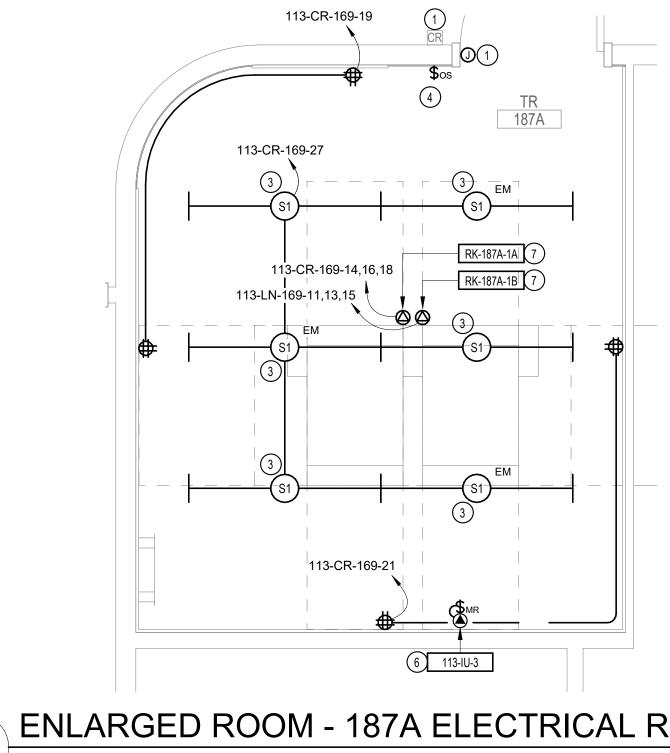
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DELIVERED LUMENS	COLOR TEMP	INPUT WATTS	FINISH
6,785	4000K	52	WHITE
5,159	4000K	42.9	WHITE
5,169	4000K	39.3	WHITE

EQUIPMENT	RATED	VOLTAGE	HP	KW	FLA	MCA	MOCP	# PARALLEL		BRANCH	CIRCUIT		DISCO	ONNECT	NOTES
TAG	VOLTAGE	PHASE						CONDUCTORS	RACEWAY	PHASE	Ν	G	SIZE	FUSE	_
HANICAL EQUIPM	ENT						·								
113-IU-2	208	1	-	-	0.3	0.3	15	-	3/4"	2#12	-	#12	-	-	4
113-IU-3	208	1	-	-	0.3	0.3	15	-	3/4"	2#12	-	#12	30	15	4
113-IU-4A	208	1	-	-	0.3	14.0	15	-	3/4"	2#12	-	#12	30	15	4
113-IU-4B	208	1	-	-	0.3	14.0	15	-	3/4"	2#12	-	#12	30	15	4
113-IU-6	208	1	-	-	0.3	14.0	15	-	3/4"	2#12	-	#12	30	15	4
113-OU-1	208	1	-	-	-	11.0	15	-	3/4"	2#12	-	#12	30	15	1
113-OU-2	208	1	-	-	-	24.0	35	-	3/4"	2#8	-	#10	60	35	1
113-OU-4A	208	1	-	-	-	17.0	25	-	3/4"	2#10	-	#10	30	25	1
113-OU-4B	208	1	-	-	-	17.0	25	-	3/4"	2#10	-	#10	30	25	1
113-OU-6	208	1	-	-	-	11.0	15	-	3/4"	2#12	-	#12	30	15	1
ECOMMUNICATION	IS EQUIPMEN	Г Г													
ZP-TCS103-1A	208	3	-	15.00	-	-	60	-	1"	3#4	1#4	#10	60	60	1
ZP-TCS103-1B	208	3	-	15.00	-	-	60	-	1"	3#4	1#4	#10	60	60	1
RK-TCS103-1A	208	3	-	5.00	-	-	20	-	3/4"	3#12	1#12	#12	-	-	2
RK-TCS103-1B	208	3	-	5.00	-	-	20	-	3/4"	3#12	1#12	#12	-	-	2
RK-169-1A	208	3	-	10.00	-	-	30	-	3/4"	3#10	1#10	#10	-	-	3
RK-169-1B	208	3	-	10.00	-	-	30	-	3/4"	3#10	1#10	#10	-	-	3
RK-187A-1A	208	3	-	10.00	-	-	30	-	3/4"	3#10	1#10	#10	-	-	3
RK-187A-1B	208	3	-	10.00	-	-	30	-	3/4"	3#10	1#10	#10	-	-	3
	<u>s</u> 1. provide ne 2. provide ne 3. provide ne 4. provide ne	EMA L21-20R EMA L21-30R	INTERLO INTERLO	CKING REC											

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EMODE	L				\$	E) TELECOM RA	СК		
113-LN						BIOMED		-(E) PANEL '1	SN13'
	÷		(E) PANEL '1SLS'			SERVER EC1E	/	-(E) PANEL '1	SN12'
FICE 92A 6 113-IU-6	6 MR		(E) PANEL 'E103'- BILAF 1/2" = 1'-0"		- MOO	EC1E EL	ECTRI	CAL R	
3)		J 1/2" = 1'-0"				P	ROJE	ст к
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E OF JCTION ILITIES		AL REMOD	EL PLAN - GED PLANS	PHASE 100% CON DOCUMEN	NSTRUCTIC NTS	DN	PROJECT TI EHRM UPGRA	NFRAST	RUCT
	APPROVED: Project I FOR OF		ONLY (FOUO)	FLS	´ SPRINK	LERED	LOCATION FORT ISSUE DATE 11/05/		SOUT CHECK ME
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THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

8

<u>KEYNOTES</u>

REQUIREMENTS.

INSTALLATION.

- SHEET FOR ADDITIONAL INFORMATION AMD REQUIREMENTS.
- APPURTENANCES REQUIRED FOR COMPLETE OPERATION. 5 CONTRACTOR TO PROVIDE NEW DISCONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT. SEE
- OPERATION. 7 CONTRACTOR TO PROVIDE NEW L21-30R RECEPTACLE FOR NEW RACK POWER. RECEPTACLE TO BE MOUNTED DIRECTLY ON CABLE TRAY.
- 8 CONTRACTOR TO PROVIDE NEW L21-20R RECEPTACLE FOR NEW RACK POWER. RECEPTACLE TO BE MOUNTED DIRECTLY ON CABLE TRAY.
- DRAWINGS FOR LOCATION. PROVIDE CONDUITS AND CONDUCTORS AS REQUIRED FOR COMPLETE OPERATION.

GENERAL NOTES

FEEDER REQUIREMENTS.

1. COORDINATE EXACT LOCATION OF MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE

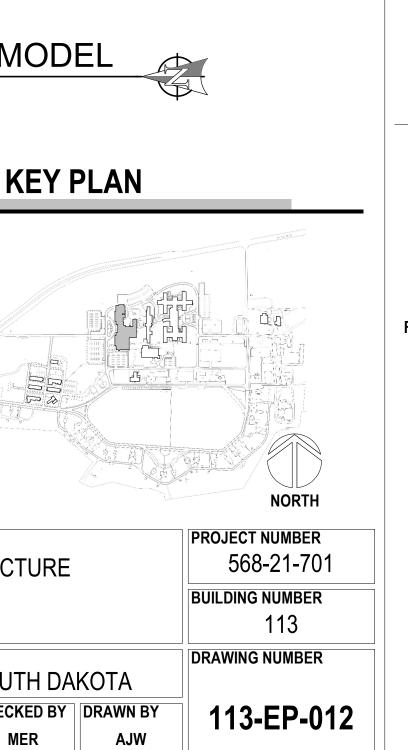
CORRESPONDING DISCIPLINE'S DRAWINGS. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR. 3. REFER TO ASSOCIATED TN SHEETS FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES. 4. REFER TO ELECTRICAL FEEDER SCHEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR

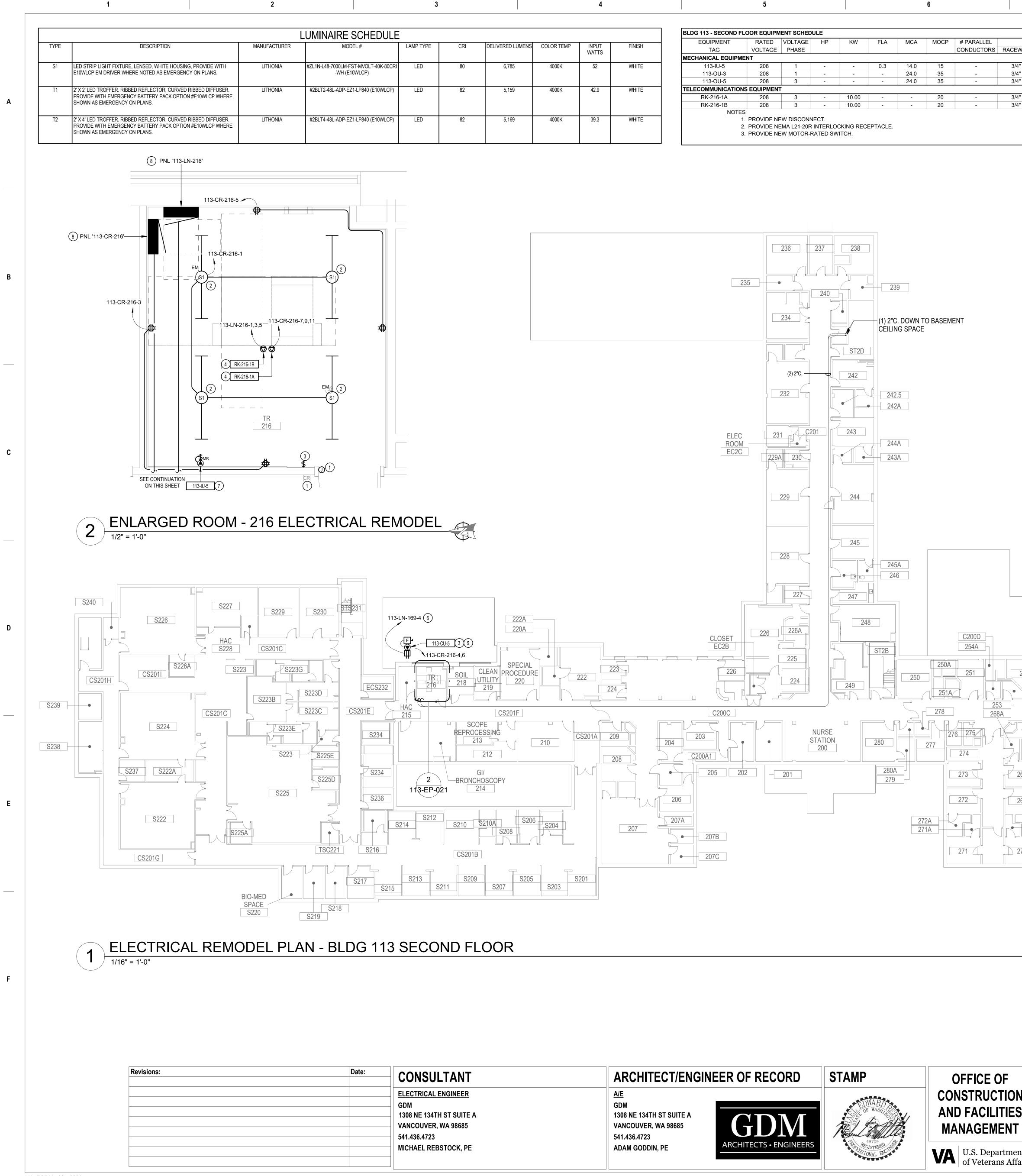
5. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AND 6. CONDUIT ROUTING SHOWN IS SCHEMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO

1 CONTRACTOR TO PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. 2 CONTRACTOR TO PROVIDE NEW 208Y/120V, 225A, PANELBOARD, CONTRACTOR TO PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO FEEDER SCHEDULE ON 000-EG-001 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. 3 CONTRACTOR TO PROVIDE NEW LIGHT FIXTURE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON THIS 4 CONTRACTOR TO PROVIDE NEW LIGHT SWITCH. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY

ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. 6 INDOOR MECHANICAL UNIT FED BY OUTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH AND ALL CONDUIT AND CONDUCTORS FROM CONTROLS TO INDOOR UNIT AS REQUIRED FOR COMPLETE

9 CONTRACTOR TO PROVIDE NEW 208V, 60A, 3-PHASE POWER TERMINATING IN HARD-WIRED JUNCTION BOX FOR NEW RACK POWER. JUNCTION BOX TO BE MOUNTED DIRECTLY ON CABLE TRAY. 10 CONTRACTOR TO PROVIDE CONNECTION TO NEW MECHANICAL PUMP. COORDINATE WITH MECHANICAL





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DELIVERED LUMENS	COLOR TEMP	INPUT WATTS	FINISH
6,785	4000K	52	WHITE
5,159	4000K	42.9	WHITE
5,169	4000K	39.3	WHITE

EQUIPMENT	RATED	VOLTAGE	HP	KW	FLA	MCA	MOCP	# PARALLEL		BRANCH (CIRCUIT		DISCO	DNNECT	NOTES
TAG	VOLTAGE	PHASE						CONDUCTORS	RACEWAY	PHASE	Ν	G	SIZE	FUSE	
CHANICAL EQUIPME	NT														
113-IU-5	208	1	-	-	0.3	14.0	15	-	3/4"	2#12	-	#12	-	-	3
113-OU-3	208	1	-	-	-	24.0	35	-	3/4"	2#8	-	#10	60	35	1
113-OU-5	208	3	-	-	-	24.0	35	-	3/4"	3#8	-	#10	60	35	1
LECOMMUNICATIONS	6 EQUIPMENT														
RK-216-1A	208	3	-	10.00	-	-	20	-	3/4"	3#12	1#12	#12	-	-	2
RK-216-1B	208	3	-	10.00	-	-	20	-	3/4"	3#12	1#12	#12	-	-	2
NOTES				10.00			20	_		5#12	1#12	π12	_		2

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	1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE	Harden Agrog Barren Barren Agrog	MANAGEMENTVAU.S. Department of Veterans Affairs		FULLY SPRINKLERED	FORT MEADE, SOUTH
	ARCHITECT/ENGINEER OF RECORD <u>A/E</u> GDM 1308 NE 134TH ST SUITE A	STAMP STAMP	OFFICE OF CONSTRUCTION AND FACILITIES	ELECTRICAL REMODEL PLAN - SECOND FLOOR LAYOUT	100% CONSTRUCTION DOCUMENTS	
DOR				DRAWING TITLE	PHASE	PROJECT TITLE
S205 S201 S207 S203						PROJECT KE
AN PROCEDURE TY 220 220 CS201F NG 210 CS201 C	223 224 224 224 224 224 224 224 224 224	249 250 NURSE 280 280 279 280 279	251 253 278 268A 275 277 274 273 268 272 269 272 271 271 270 271 270	267 267 267 267 262 262 262 262	259 113-CR-216-12,14 5 3 113-CU3 13-LN-169-2 6	

AS PRODUCED FROM ORIGINAL GS AND FIELD OBSERVATIONS, AND ENT AN ACCURATE AS-BUILT REPANCIES MAY BE ENCOUNTERED, NTRACTOR'S RESPONSIBILITY TO CONDITIONS.

8

<u>KEYNOTES</u>

- SHEET FOR ADDITIONAL INFORMATION AMD REQUIREMENTS.
- MOUNTED DIRECTLY ON CABLE TRAY.

- OPERATION AND WEATHER PROTECTION.
- OPERATION.

GENERAL NOTES

1. COORDINATE EXACT LOCATION OF MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE

	CORRESPONDING DISCIPLINE'S DRAWINGS.
2.	CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR.
3.	REFER TO ASSOCIATED TN SHEETS FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES.
4.	REFER TO ELECTRICAL FEEDER SCHEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR FEEDER REQUIREMENTS.
5.	REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
6.	CONDUIT ROUTING SHOWN IS SCHEMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO INSTALLATION.
<u>n</u>	<u>EYNOTES</u>
1 (CONTRACTOR TO PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS.

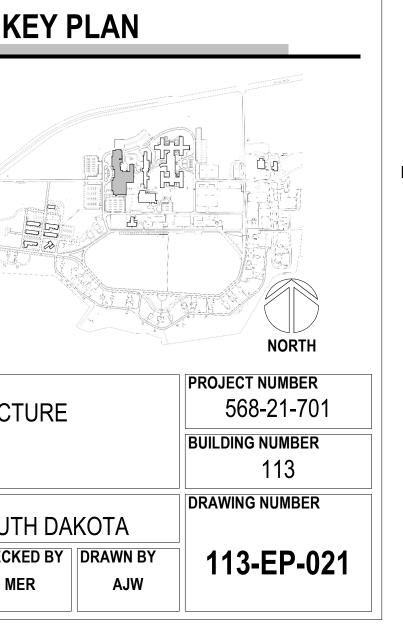
2 CONTRACTOR TO PROVIDE NEW LIGHT FIXTURE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON THIS 3 CONTRACTOR TO PROVIDE NEW DISCONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. 4 CONTRACTOR TO PROVIDE NEW L21-20R RECEPTACLE FOR NEW RACK POWER. RECEPTACLE TO BE

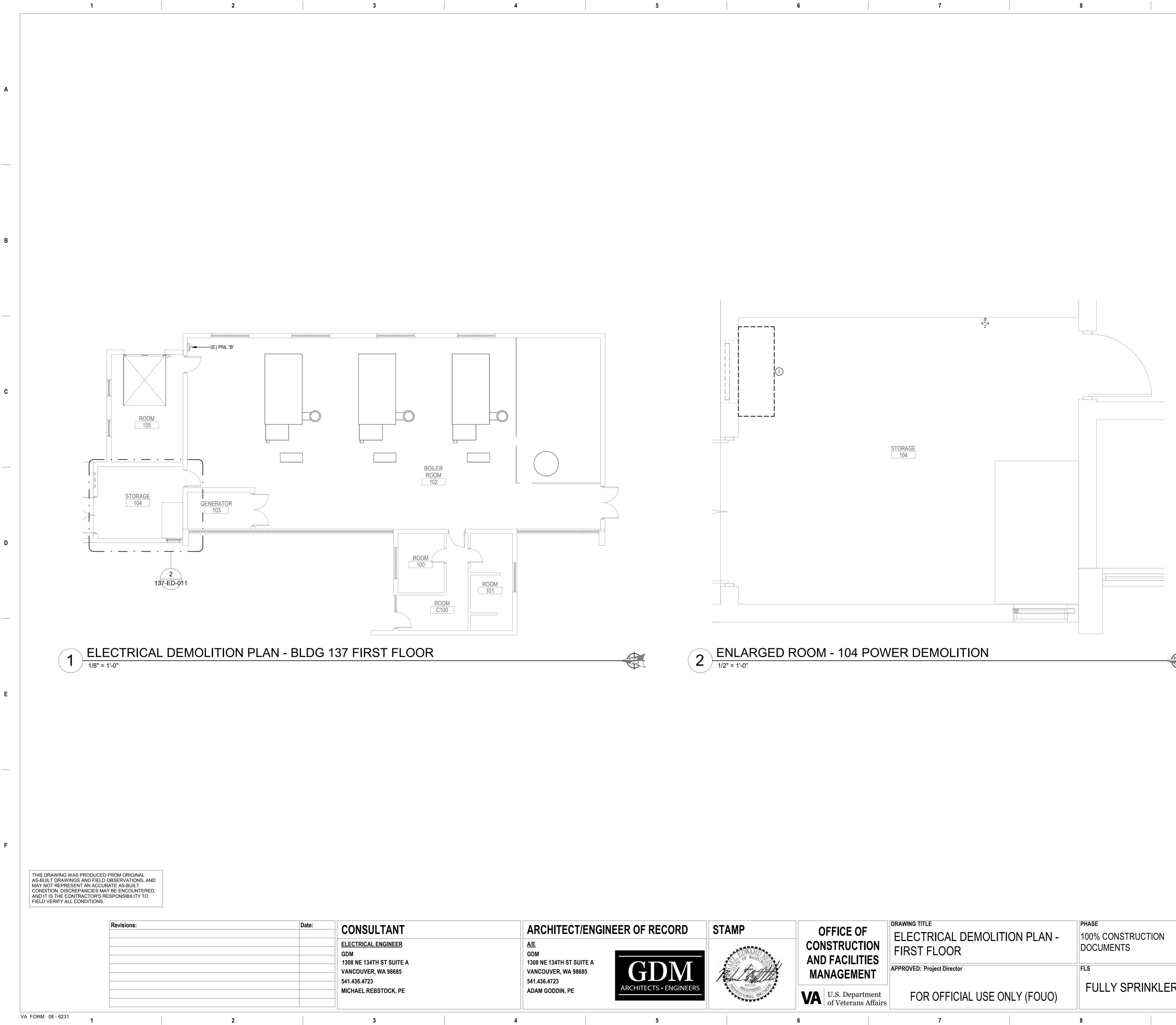
5 CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS FOR NEW OUTDOOR MECHANICAL UNIT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. 6 CONTRACTOR TO PROVIDE WET-RATED CONVENIANCE RECEPTACLE MOUNTED BELOW DISCONNECT. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE

7 INDOOR MECHANICAL UNIT FED BY OUTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH AND ALL CONDUIT AND CONDUCTORS FROM CONTROLS TO INDOOR UNIT AS REQUIRED FOR COMPLETE

8 CONTRACTOR TO PROVIDE NEW 208Y/120V, 100A, PANELBOARD. CONTRACTOR TO PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO FEEDER SCHEDULE ON 000-EG-001 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

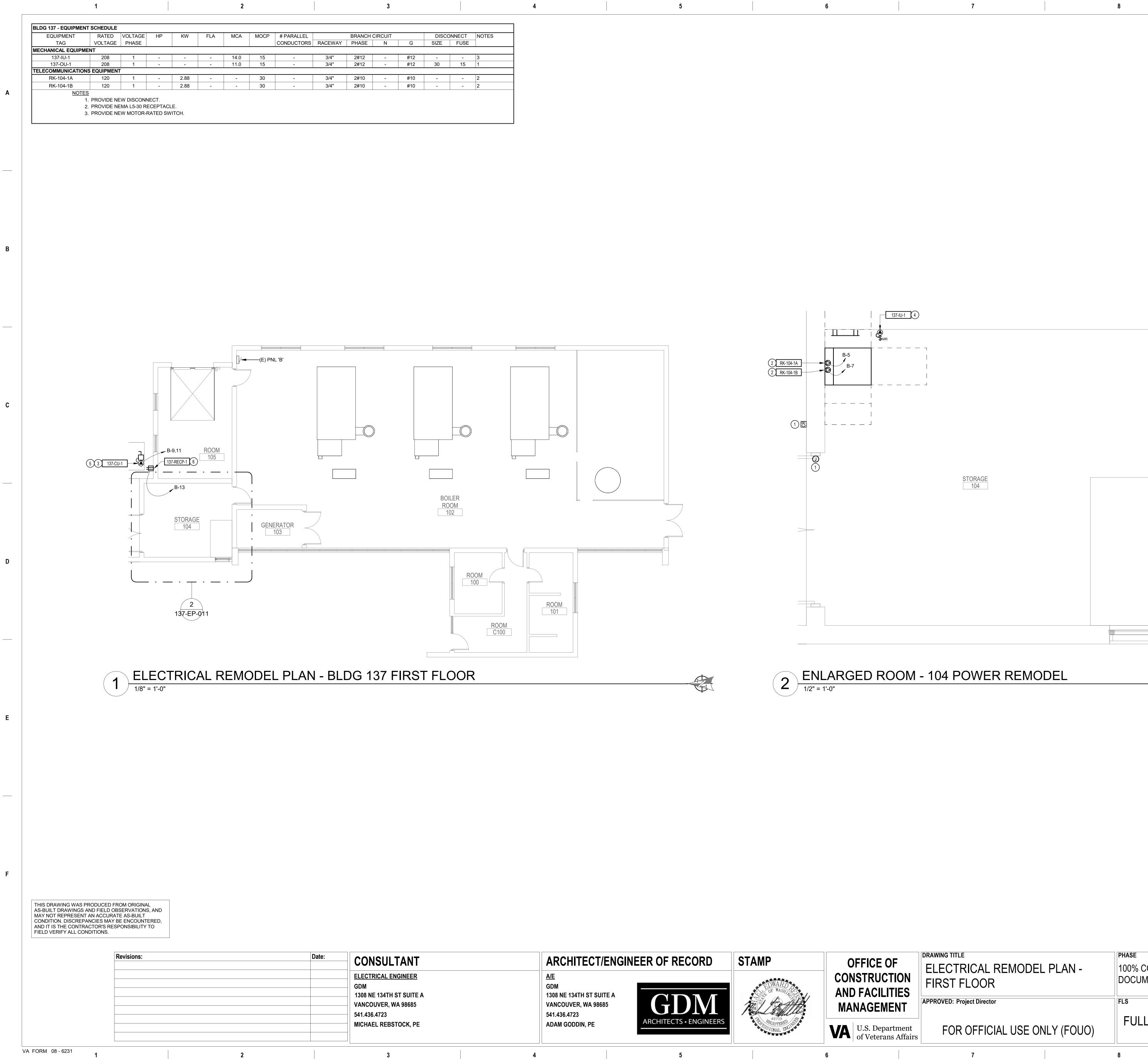
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OF CTION ITIES	DRAWING TITLE ELECTRICAL DEMOLITION PLAN - FIRST FLOOR	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES	
IENT	APPROVED: Project Director	FLS	LOCATION FORT MEADE, SOUT	
artment ins Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024 ME	
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DISCC	NNECT	NOTES
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ARCHITECT/ENGI	NEER OF RECORD	STAMP	OFFICE (
A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723	GDM	TOWARD OF WASHING	CONSTRUC AND FACILI MANAGEM	
ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	Recistered International	VA U.S. Depa of Veterar	

			VA MEDICAL CE FORT MEADE,	
	DRAWING TITLE	PHASE	PROJECT TITLE	
OF	ELECTRICAL REMODEL PLAN -	100% CONSTRUCTION	EHRM INFRASTRUCT	
	FIRST FLOOR	DOCUMENTS	UPGRADES	
IENT	APPROVED: Project Director	FLS	LOCATION FORT MEADE, SOUT	
artment ns Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE CHECKE 11/05/2024 ME	
OF DRAWING TITLE PROJECT TITLE PROJECT TITLE EHRM INFRAS CTION FIRST FLOOR DOCUMENTS PROJECT TITLE EHRM INFRAS APPROVED: Project Director FLS LOCATION FORT MEADE FULLY SPRINKLERED ISSUE DATE	9			

PROJECT KEY PLAN

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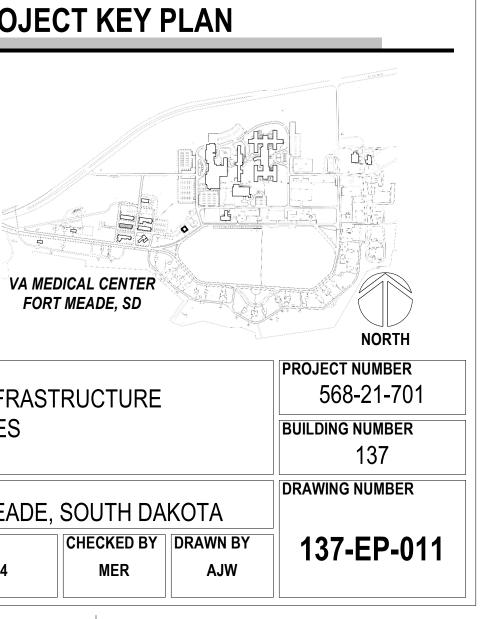
6. CONDUIT ROUTING SHOWN IS SCHEMA INSTALLATION. <u>KEYNOTES</u> 1 CONTRACTOR TO PROVIDE RACEWAY 2 CONTRACTOR TO PROVIDE NEW L5-30 TELECOMMUNICATIONS ENCLOSURE U

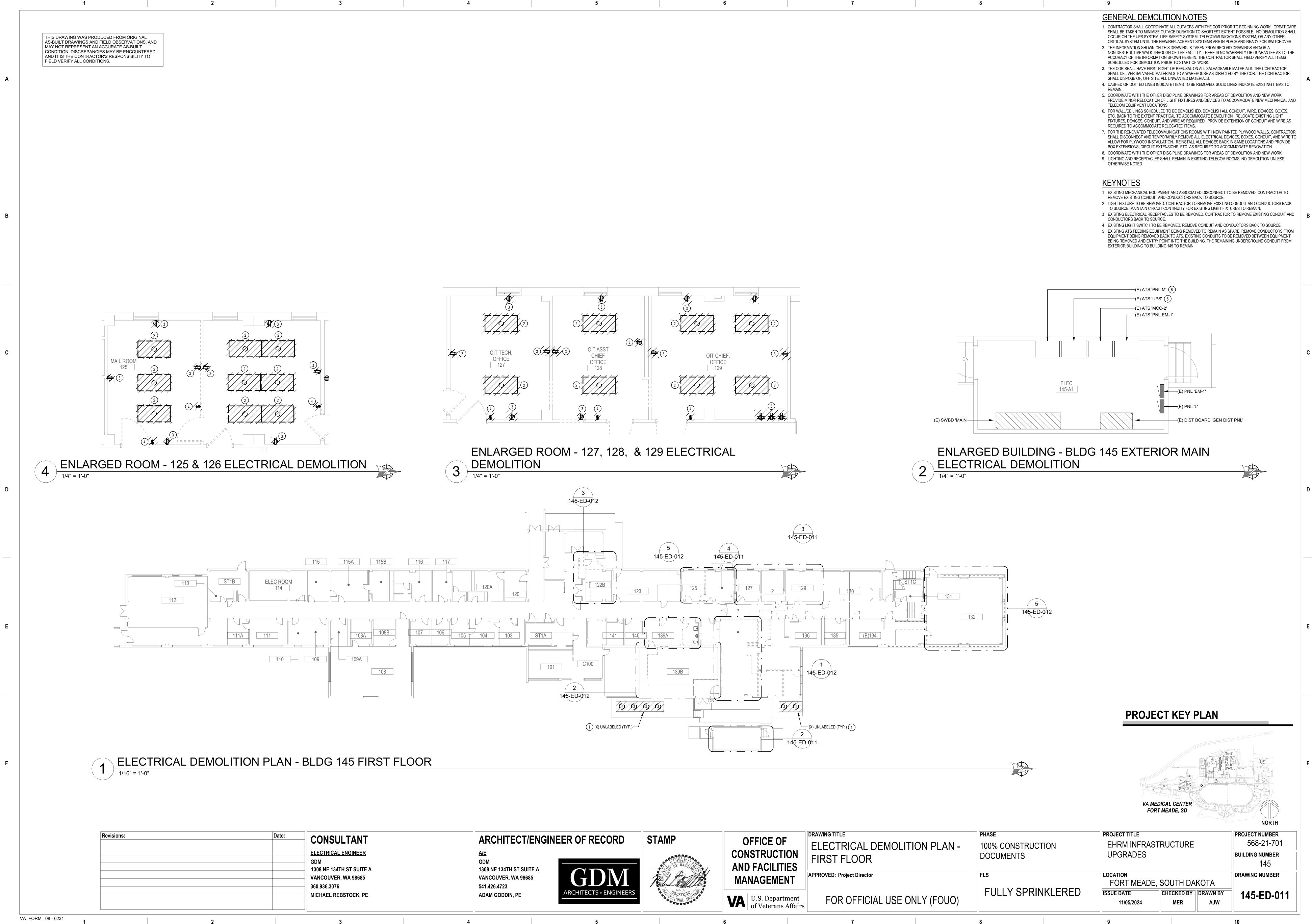
- RACK. L5-30 RECEPTACLES TO BE MOU 3 CONTRACTOR TO PROVIDE NEW DISC
- SEE ELECTRICAL MECHANICAL EQUIPM AND ALL CONDUIT AND CONDUCTORS OPERATION.
- 4 INDOOR MECHANICAL UNIT FED BY OU 5 CONTRACTOR TO PROVIDE CONDUIT A

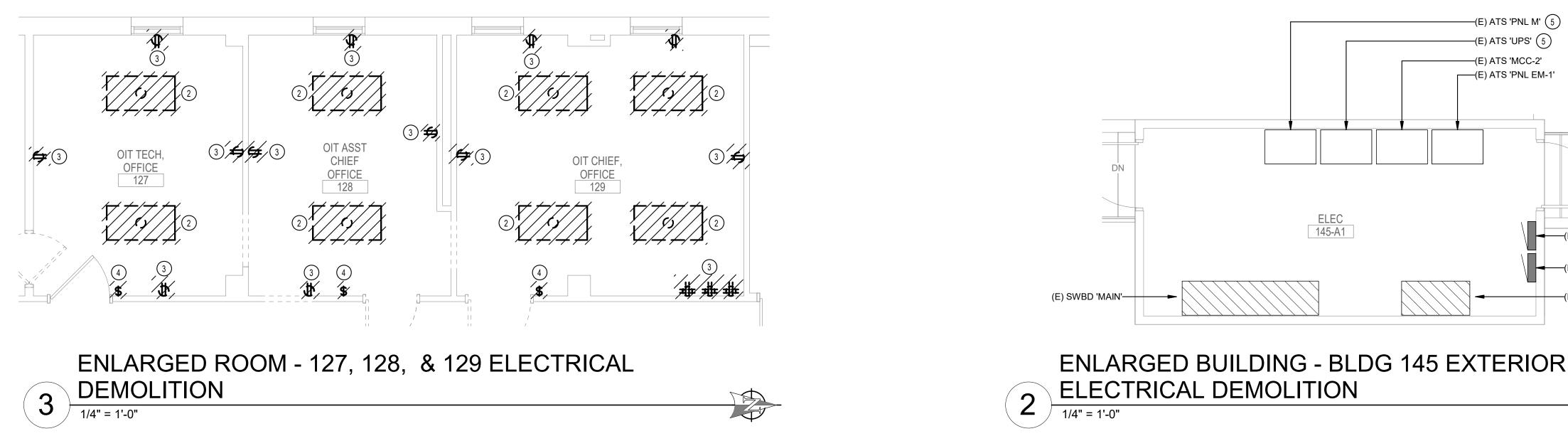
- ELECTRICAL MECHANICAL EQUIPMENT
- 6 CONTRACTOR TO PROVIDE WET-RATE

- **GENERAL NOTES** 1. COORDINATE EXACT LOCATION OF ME CORRESPONDING DISCIPLINE'S DRAW
- 9

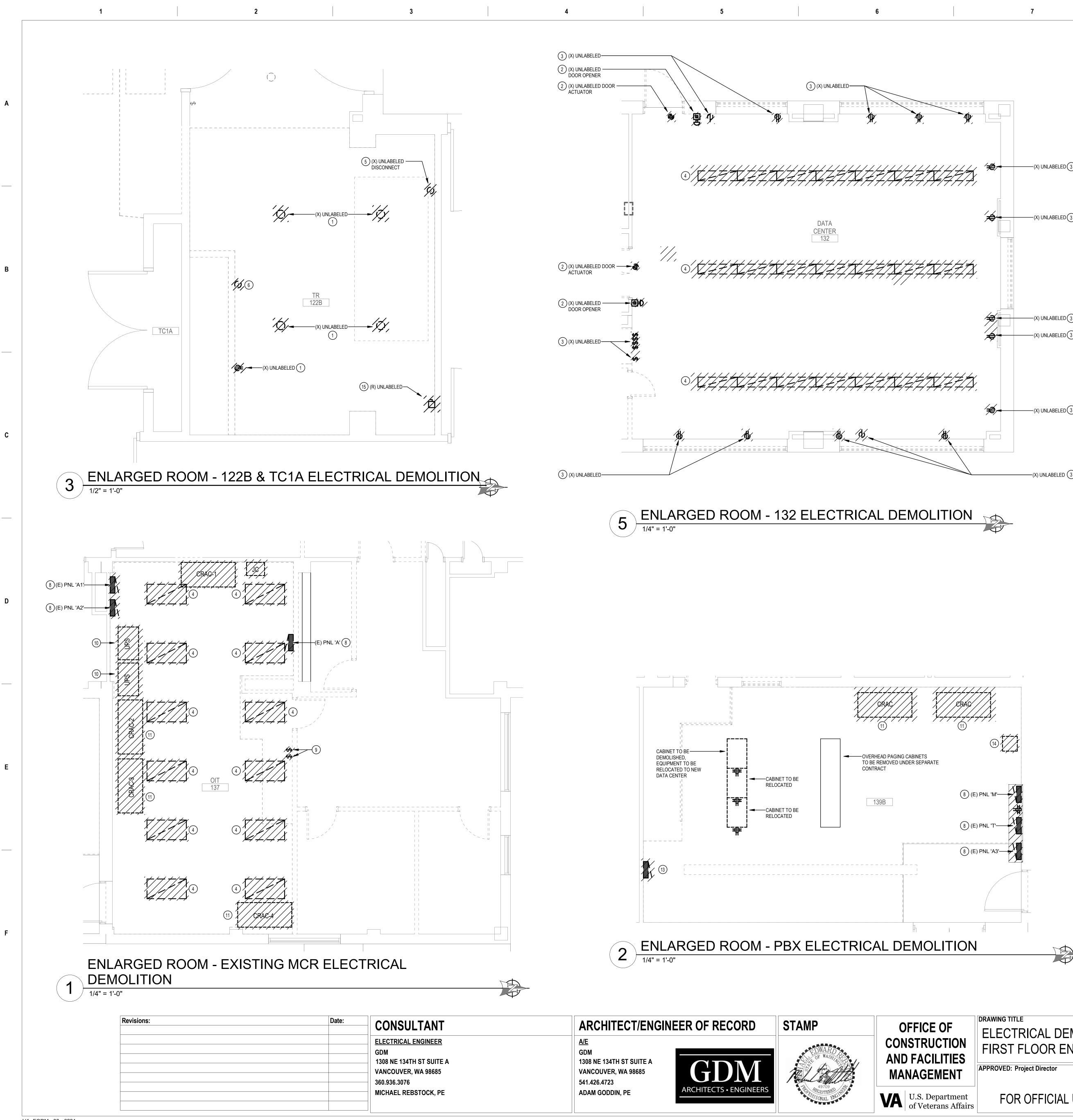
1.	COORDINATE EXACT LOCATION OF MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE CORRESPONDING DISCIPLINE'S DRAWINGS.	
2.	CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL	
2	REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR.	
3. 4.	REFER TO ASSOCIATED TN SHEETS FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES. REFER TO ELECTRICAL FEEDER SCHEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR	
5.	FEEDER REQUIREMENTS. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AND	
6.	REQUIREMENTS. CONDUIT ROUTING SHOWN IS SCHEMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO	Α
	INSTALLATION.	
K	EYNOTES	
1	CONTRACTOR TO PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS.	
2	CONTRACTOR TO PROVIDE NEW L5-30 RECEPTACLE IN NEW JUNCTION BOX FOR NEW TELECOMMUNICATIONS ENCLOSURE UPS. ALIGN JUNCTION BOX TO ENCLOSURE 6"X6" CUTOUT BEHIND	
3	RACK. L5-30 RECEPTACLES TO BE MOUNTED IN SINGLE JUNCTION BOX UNLESS OTHERWISE NOTED. CONTRACTOR TO PROVIDE NEW DISCONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT.	
4	SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. INDOOR MECHANICAL UNIT FED BY OUTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH	
7	AND ALL CONDUIT AND CONDUCTORS FROM CONTROLS TO INDOOR UNIT AS REQUIRED FOR COMPLETE OPERATION.	
5	CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS FOR NEW OUTDOOR MECHANICAL UNIT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.	
6	CONTRACTOR TO PROVIDE WET-RATED CONVENIANCE RECEPTACLE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION AND WEATHER	
	PROTECTION.	
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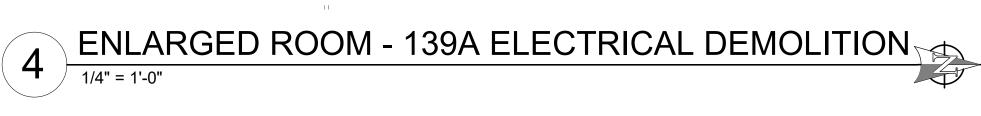
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0	DRAWING TITLE	PHASE	PROJECT TITLE	
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CTION _ITIES	FIRST FLOOR	DOCUMENTS	UPGRADES	
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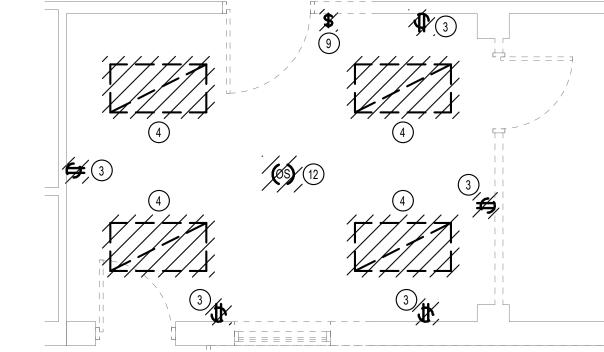


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		GENERAL DEMOLITION NOTE
		 CONTRACTOR SHALL COORDINATE ALL OUTAGES WITH SHALL BE TAKEN TO MINIMIZE OUTAGE DURATION TO S
	THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND	OCCUR ON THE UPS SYSTEM, LIFE SAFETY SYSTEM, T CRITICAL SYSTEM UNTIL THE NEW/REPLACEMENT SYS
	MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.	 THE INFORMATION SHOWN ON THIS DRAWING IS TAKE NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. ACCURACY OF THE INFORMATION SHOWN HERE-IN. TH SCHEDULED FOR DEMOLITION PRIOR TO START OF WO
		 THE COR SHALL HAVE FIRST RIGHT OF REFUSAL ON A SHALL DELIVER SALVAGED MATERIALS TO A WAREHOU SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIAL
		 DASHED OR DOTTED LINES INDICATE ITEMS TO BE REI REMAIN.
		 COORDINATE WITH THE OTHER DISCIPLINE DRAWINGS PROVIDE MINOR RELOCATION OF LIGHT FIXTURES AND TELECOM EQUIPMENT LOCATIONS.
		 FOR WALL/CEILINGS SCHEDULED TO BE DEMOLISHED, ETC. BACK TO THE EXTENT PRACTICAL TO ACCOMMOD FIXTURES, DEVICES, CONDUIT, AND WIRE AS REQUIRE REQUIRED TO ACCOMMODATE RELOCATED ITEMS.
(X) UNLABELED (3)		 FOR THE RENOVATED TELECOMMUNICATIONS ROOMS SHALL DISCONNECT AND TEMPORARILY REMOVE ALL ALLOW FOR PLYWOOD INSTALLATION. REINSTALL ALL BOX EXTENSIONS, CIRCUIT EXTENSIONS, ETC. AS REQ
		 COORDINATE WITH THE OTHER DISCIPLINE DRAWINGS LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTI OTHERWISE NOTED
(X) UNLABELED (3)		
		<u>KEYNOTES</u>
		 DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES. SOURCE.
		2 CONTRACTOR TO REMOVE DOOR ACTUATOR AND SWI CONDUCTORS BACK TO SOURCE.
		3 EXISTING ELECTRICAL RECEPTACLES TO BE REMOVED CONDUCTORS BACK TO SOURCE.
		4 EXISTING LIGHT FIXTURES TO BE REMOVED. MAINTAIN FIXTURES IN CIRCUIT.
		 5 EXISTING BALER AND DISCONNECT TO BE REMOVED. F SOURCE. 6 EXISTING JUNCTION BOX TO BE RELOCATED FROM RO
(X) UNLABELED 3		NORTH WALL. REROUTE AND EXTEND CONDUITS AND 145-EP-012 FOR ADDITIONAL DETAILS.
(X) UNLABELED (3)		7 EXISTING EQUIPMENT TO BE REMOVED. REMOVE CON DEMOLITION TO OCCUR ONLY AFTER NEW MCR IS CON HAS OCCURED.
		8 EXISTING ELECTRICAL PANEL TO BE REMOVED AFTER VERIFY ANY DEVICE CIRCUITS TO REMAIN AND IS TO R 145-EP-012 FOR LOCATION OF NEW PANEL '145-P1'.
		 9 EXISTING LIGHT SWITCH TO BE REMOVED. REMOVE CO 10 EXISTING UPS TO BE REMOVED. REMOVE CONDUIT AN OCCUR ONLY AFTER NEW MCR IS COMPLETELY OPER/
		11 EXISTING MECHANICAL CRAC UNIT TO BE REMOVED. F SOURCE. DEMOLITION TO OCCUR ONLY AFTER NEW M NEW MCR HAS OCCURED.
(X) UNLABELED (3)		12 EXISTING OCCUPANCY SENSOR TO BE REMOVED. CON BACK TO SOURCE.
		 13 EXISTING PANEL TO BE DEMOLISHED. REMOVE FEEDE CIRCUITING AND WIRING DEVICES. 14 EXISTING ABANDONED INVERTER TO BE DEMOLISHED.
		WIRING DEVICES ASSOCIATED WITH THE INVERTER. D WITH CONSTRUCTION OF NEW MCR.
		15 EXISTING DISCONNECT & S.O. CORD FEEDING COMPACE EXISTING CONDUIT AND CONDUCTOR FOR REUSE. SEE RELOCATED DISCONNECT.
(X) UNLABELED 3		

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ITION NOTES
ATE ALL OUTAGES WITH THE COR PRIOR TO BEGINNING WORK. GREAT CARE DUTAGE DURATION TO SHORTEST EXTENT POSSIBLE. NO DEMOLITION SHALL IFE SAFETY SYSTEM, TELECOMMUNICATIONS SYSTEM, OR ANY OTHER EW/REPLACEMENT SYSTEMS ARE IN PLACE AND READY FOR SWITCHOVER.

10

A THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND/OR A COUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE TON SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS I PRIOR TO START OF WORK. RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR ATERIALS TO A WAREHOUSE AS DIRECTED BY THE COR. THE CONTRACTOR ALL UNWANTED MATERIALS.

DICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO R DISCIPLINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. OF LIGHT FIXTURES AND DEVICES TO ACCOMMODATE NEW MECHANICAL AND

DNS. ED TO BE DEMOLISHED, DEMOLISH ALL CONDUIT, WIRE, DEVICES, BOXES, ACTICAL TO ACCOMMODATE DEMOLITION. RELOCATE EXISTING LIGHT AND WIRE AS REQUIRED. PROVIDE EXTENSION OF CONDUIT AND WIRE AS

E RELOCATED ITEMS. OMMUNICATIONS ROOMS WITH NEW PAINTED PLYWOOD WALLS, CONTRACTOR PORARILY REMOVE ALL ELECTRICAL DEVICES, BOXES, CONDUIT, AND WIRE TO LATION. REINSTALL ALL DEVICES BACK IN SAME LOCATIONS AND PROVIDE (TENSIONS, ETC. AS REQUIRED TO ACCOMMODATE RENOVATION. R DISCIPLINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS

NG, AND RECEPTACLES. REMOVE CONDUIT AND CONDUCTORS BACK TO DOR ACTUATOR AND SWITCH. REMOVE EXISTING RACEWAY, BOXES. REMOVE ICE. TACLES TO BE REMOVED. CONTRACTOR TO REMOVE EXISTING CONDUIT AND ICE. BE REMOVED. MAINTAIN CIRCUIT CONTINUITY FOR REMAINING LIGHT NECT TO BE REMOVED. REMOVE CONDUITS AND CONDUCTORS BACK TO BE RELOCATED FROM ROOM 112B SOUTH WALL TO ADJOINING CORRIDOR EXTEND CONDUITS AND CONDUCTORS TO NEW LOCATION. SEE SHEET

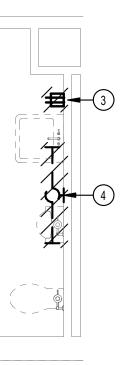
ETAILS. EMOVED. REMOVE CONDUITS AND CONDUCTORS BACK TO SOURCE. AFTER NEW MCR IS COMPLETELY OPERATIONAL AND CUTOVER TO NEW MCR TO BE REMOVED AFTER COMPLETION OF NEW MCR. CONTRACTOR TO FIELD

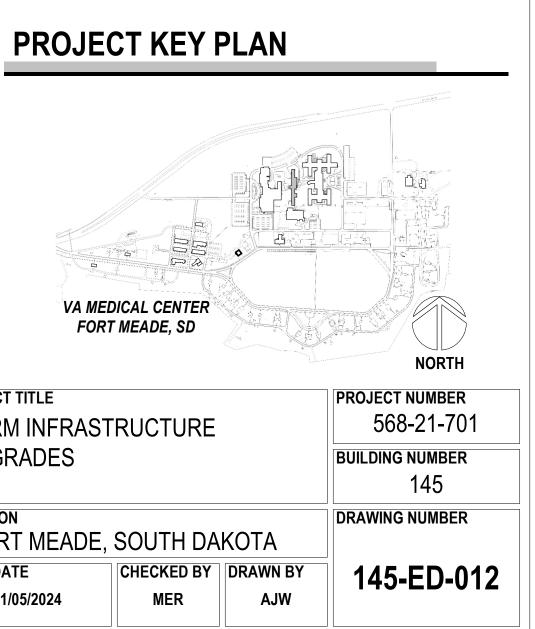
TO REMAIN AND IS TO RE-CIRCUIT TO NEW PANEL '145-P1'. SEE SHEET NEW PANEL '145-P1'. E REMOVED. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE. D. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE. DEMOLITION TO R IS COMPLETELY OPERATIONAL AND CUTOVER TO NEW MCR HAS OCCURED. UNIT TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS BACK TO CUR ONLY AFTER NEW MCR IS COMPLETELY OPERATIONAL AND CUTOVER TO DR TO BE REMOVED. CONTRACTOR TO REMOVE CONDUIT AND CONDUCTORS

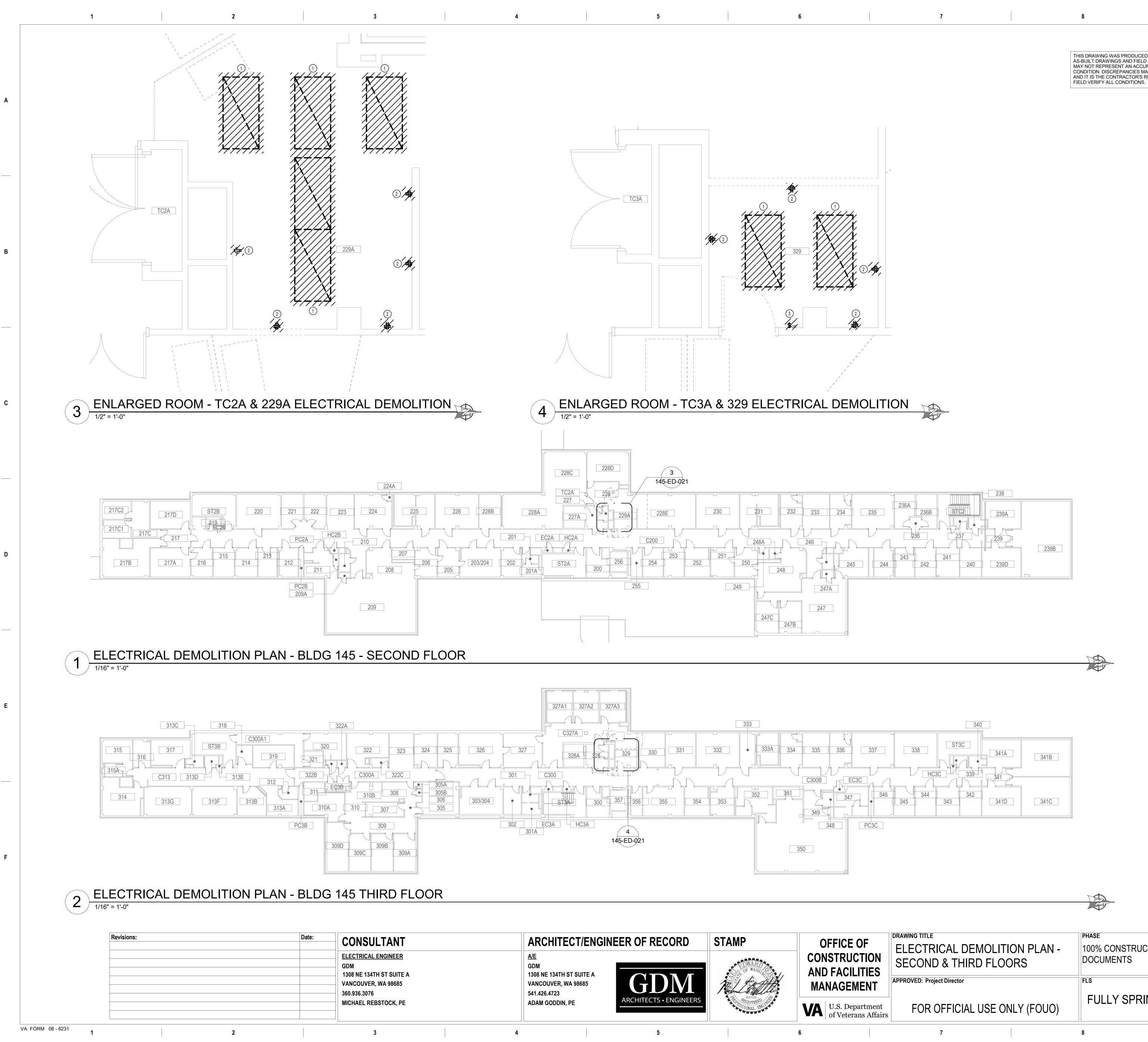
ISHED. REMOVE FEEDERS BACK TO SOURCE AND ALL ASSOCIATED CES.

ER TO BE DEMOLISHED. REMOVE ALL ASSOCIATED FEEDER, CIRCUITING, AND WITH THE INVERTER. DEMOLITION DOES NOT NEED TO BE COORDINATED MCR. CORD FEEDING COMPACTOR TO BE RELOCATED. DISCONNECT AND MAINTAIN UCTOR FOR REUSE. SEE SHEET 145-EP-011 FOR NEW LOCATION OF

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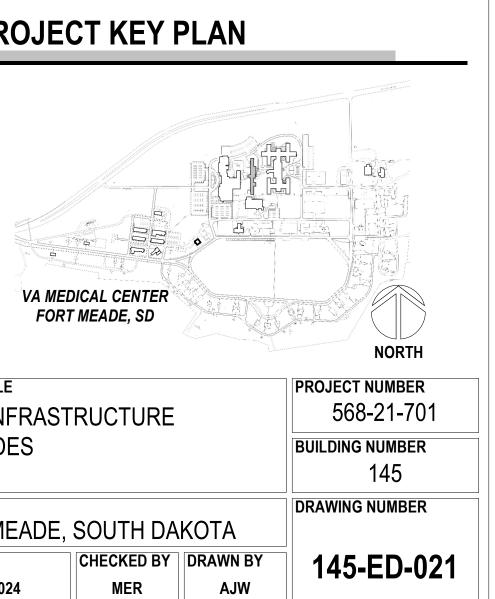


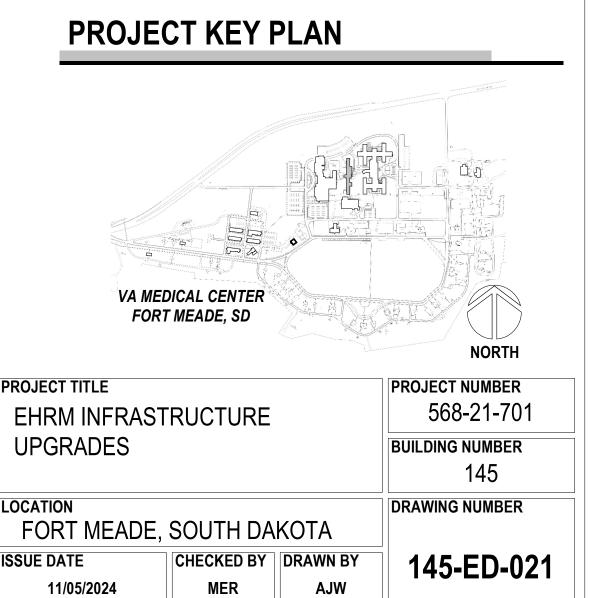
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100% CONSTRUCTION DOCUMENTS

PROJECT TITLE UPGRADES LOCATION **ISSUE DATE**







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THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMAIN.

- SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK. SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS. TELECOM EQUIPMENT LOCATIONS. REQUIRED TO ACCOMMODATE RELOCATED ITEMS.

OTHERWISE NOTED

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KEYNOTES

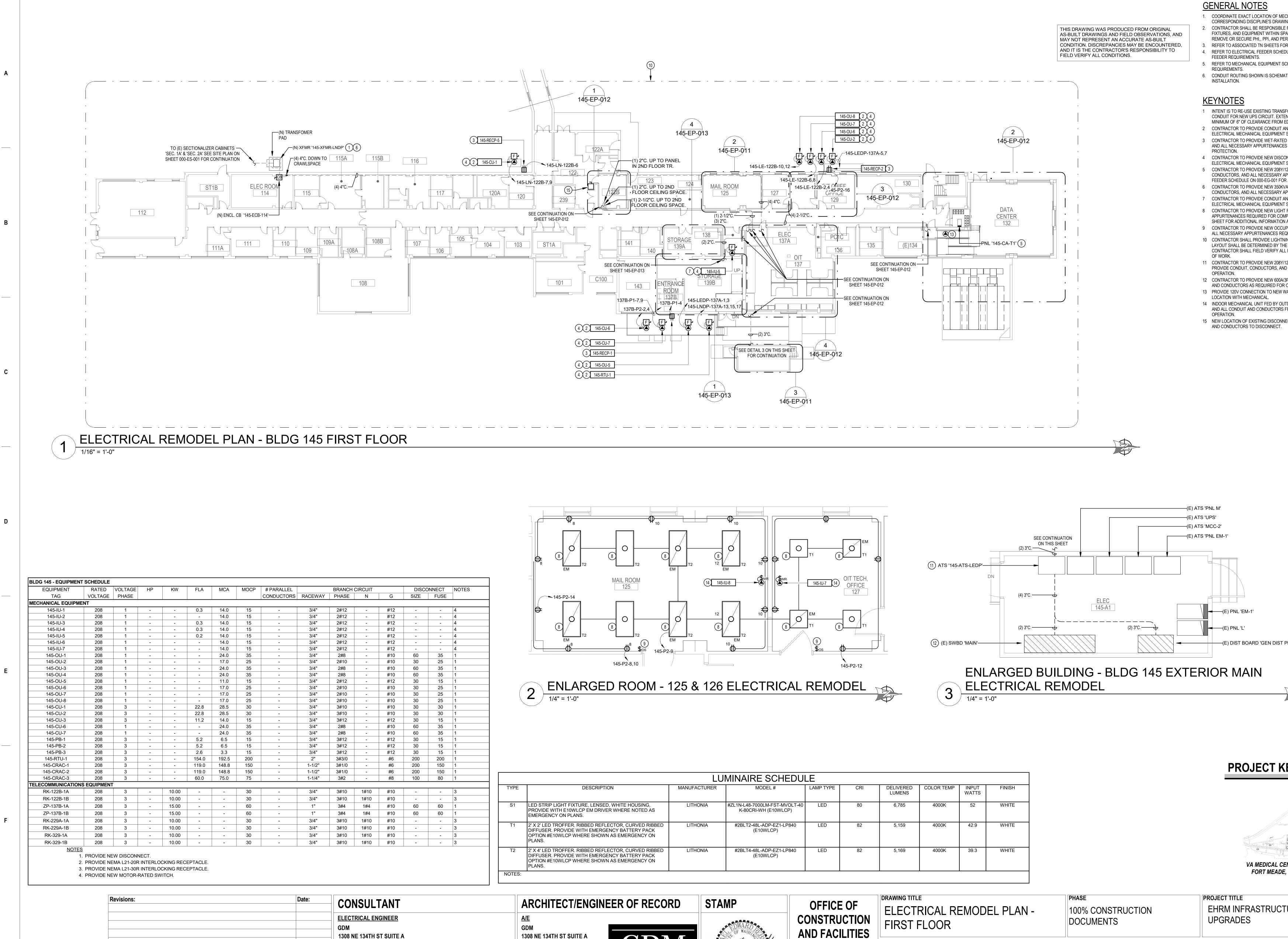
- 1 FIXTURES IN CIRCUIT.
- 2
- AND CONDUCTORS BACK TO SOURCE.

1. CONTRACTOR SHALL COORDINATE ALL OUTAGES WITH THE COR PRIOR TO BEGINNING WORK. GREAT CARE SHALL BE TAKEN TO MINIMIZE OUTAGE DURATION TO SHORTEST EXTENT POSSIBLE. NO DEMOLITION SHALL OCCUR ON THE UPS SYSTEM, LIFE SAFETY SYSTEM, TELECOMMUNICATIONS SYSTEM, OR ANY OTHER CRITICAL SYSTEM UNTIL THE NEW/REPLACEMENT SYSTEMS ARE IN PLACE AND READY FOR SWITCHOVER. 2. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND/OR A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS 3. THE COR SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE COR. THE CONTRACTOR 4. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO 5. COORDINATE WITH THE OTHER DISCIPLINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. PROVIDE MINOR RELOCATION OF LIGHT FIXTURES AND DEVICES TO ACCOMMODATE NEW MECHANICAL AND

6. FOR WALL/CEILINGS SCHEDULED TO BE DEMOLISHED, DEMOLISH ALL CONDUIT, WIRE, DEVICES, BOXES, ETC. BACK TO THE EXTENT PRACTICAL TO ACCOMMODATE DEMOLITION. RELOCATE EXISTING LIGHT FIXTURES, DEVICES, CONDUIT, AND WIRE AS REQUIRED. PROVIDE EXTENSION OF CONDUIT AND WIRE AS

7. FOR THE RENOVATED TELECOMMUNICATIONS ROOMS WITH NEW PAINTED PLYWOOD WALLS, CONTRACTOR SHALL DISCONNECT AND TEMPORARILY REMOVE ALL ELECTRICAL DEVICES, BOXES, CONDUIT, AND WIRE TO ALLOW FOR PLYWOOD INSTALLATION. REINSTALL ALL DEVICES BACK IN SAME LOCATIONS AND PROVIDE BOX EXTENSIONS, CIRCUIT EXTENSIONS, ETC. AS REQUIRED TO ACCOMMODATE RENOVATION. 8. COORDINATE WITH THE OTHER DISCIPLINE DRAWINGS FOR AREAS OF DEMOLITION AND NEW WORK. 9. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS

EXISTING LIGHT FIXTURES TO BE REMOVED. MAINTAIN CIRCUIT CONTINUITY FOR REMAINING LIGHT EXISTING ELECTRICAL RECEPTACLES TO BE REMOVED. CONTRACTOR TO REMOVE EXISTING CONDUIT 3 EXISTING LIGHT SWITCH TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.

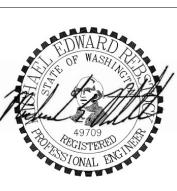


VANCOUVER, WA 98685

MICHAEL REBSTOCK, PE

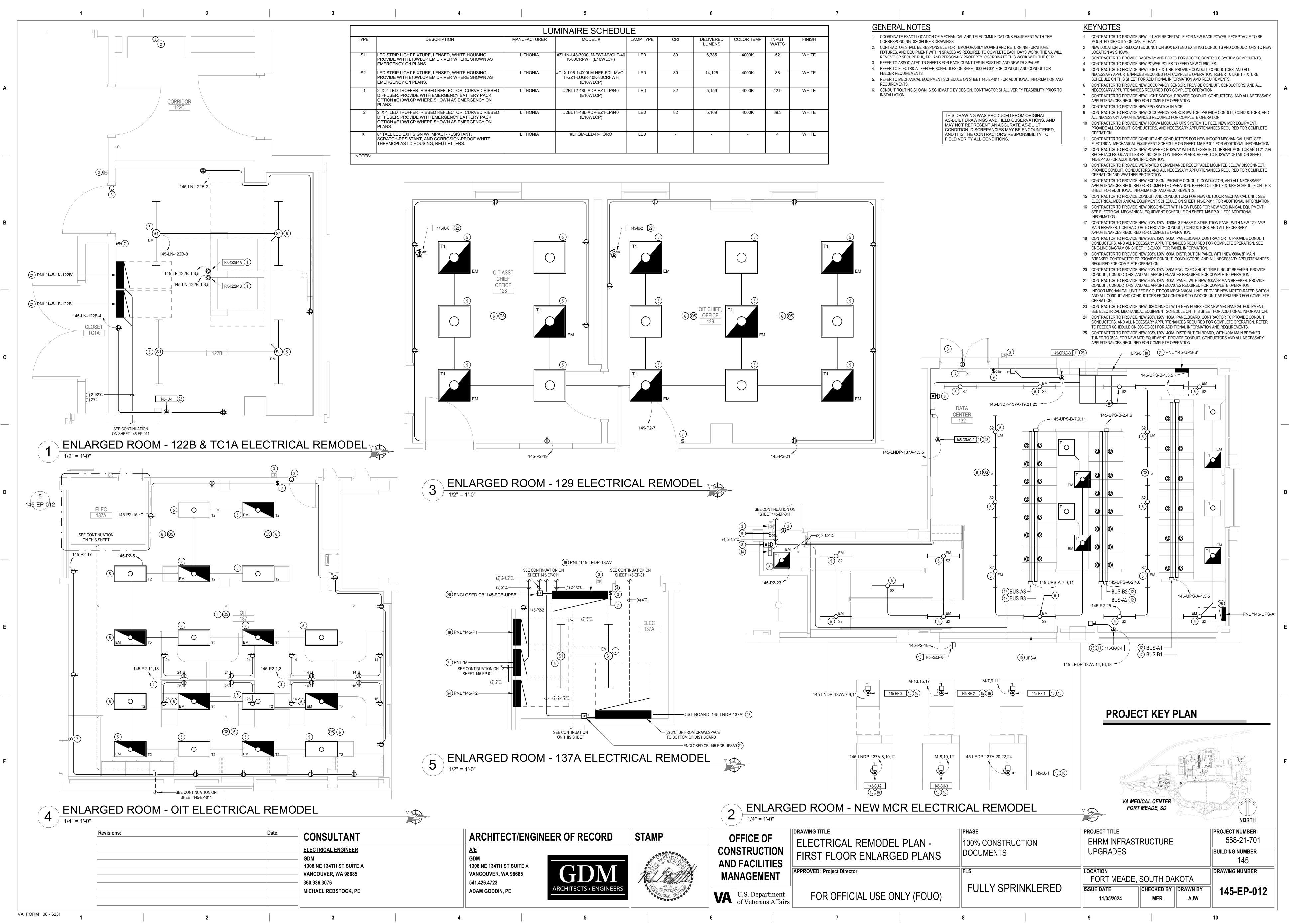
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TYPE		LL	JMINAIRE SCHI								
TYPE		MANUFACTURER		EDULE							PROJECT KE
			MODEL #	LAMP TYP	PE CRI	DELIVERED LUMENS	COLOR TEMP	INPUT WATTS	FINISH		
PRO	ED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, ROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS MERGENCY ON PLANS.	LITHONIA	#ZL1N-L48-7000LM-FST-M K-80CRI-WH (E10WLC		80	6,785	4000K	52	WHITE		
DIF OP ⁻	X 2' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED FFUSER. PROVIDE WITH EMERGENCY BATTERY PACK PTION #E10WLCP WHERE SHOWN AS EMERGENCY ON ANS.	LITHONIA	#2BLT2-48L-ADP-EZ1-LI (E10WLCP)	.P840 LED	82	5,159	4000K	42.9	WHITE		
DIF OP	X 4' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED FFUSER. PROVIDE WITH EMERGENCY BATTERY PACK PTION #E10WLCP WHERE SHOWN AS EMERGENCY ON ANS.	LITHONIA	#2BLT4-48L-ADP-EZ1-L (E10WLCP)	P840 LED	82	5,169	4000K	39.3	WHITE		VA MEDICAL CEN FORT MEADE, S
	CHITECT/ENGINEER OF RECOR) STA	MP	OFFI	CE OF	DRAWING TITL				PHASE	PROJECT TITLE
<u>A/E</u> GDM			OF WASHI	CONST	RUCTION	ELECT FIRST I		EMODI	EL PLAN -	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTU UPGRADES
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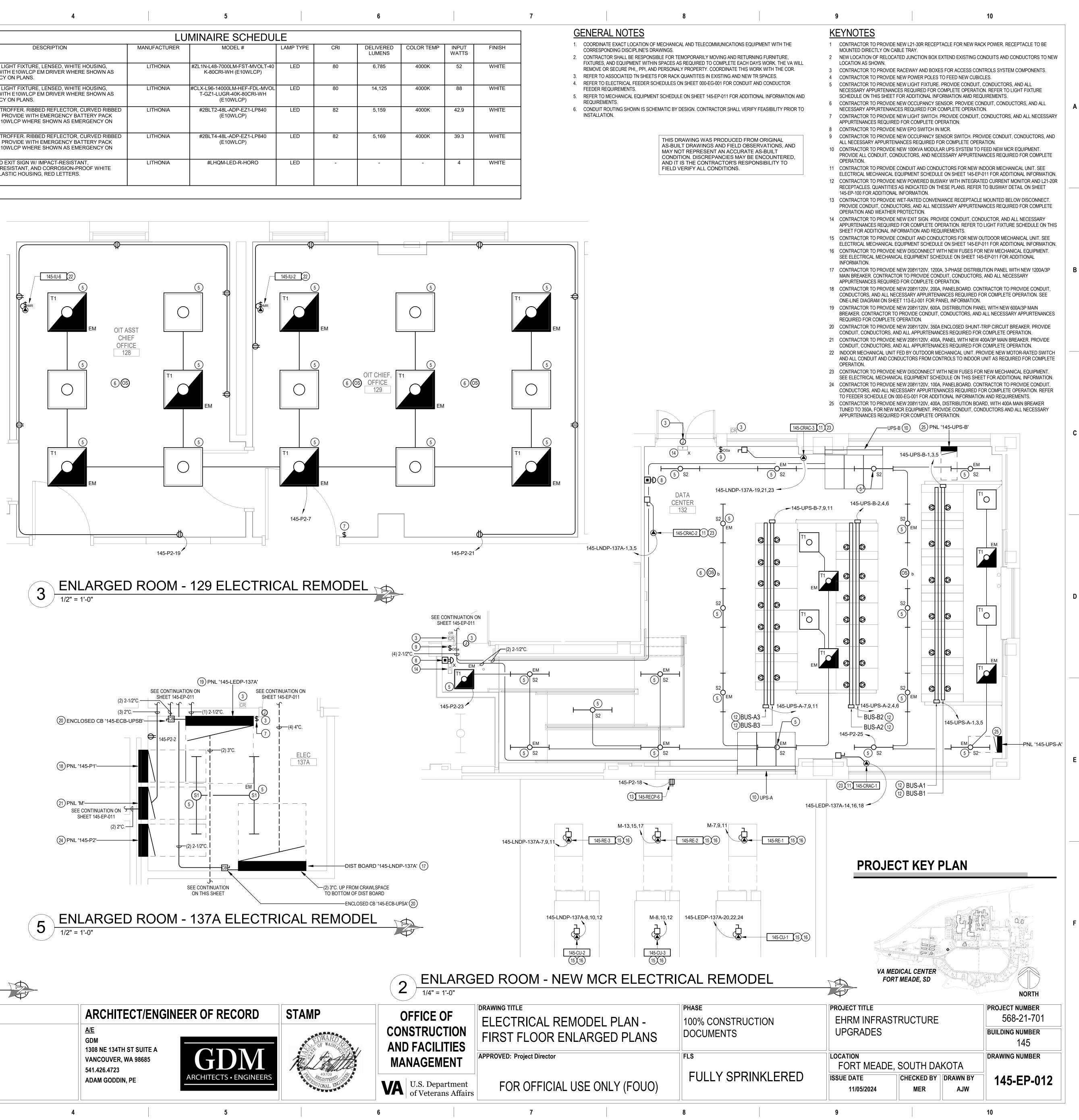


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-	-	4
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30	15	1
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200	150	1
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SCHEDULE ON SHEET 145-EP-011 FOR ADDITIONAL INFORMATION AND ATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO	A
SFORMER PAD, EXISTING (4) 2" CONDUIT, AND EXISTING (2) 3" TEND EXISTING TRANSFORMER PAD AS REQUIRED TO ALLOW FOR A EDGE OF PAD TO TRANSFORMER. AND CONDUCTORS FOR NEW OUTDOOR MECHANICAL UNIT. SEE T SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. ED CONVENIANCE RECEPTACLE. PROVIDE CONDUIT, CONDUCTORS, ES REQUIRED FOR COMPLETE OPERATION AND WEATHER	
CONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT. SEE T SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. (/120V, 100A, PANELBOARD. CONTRACTOR TO PROVIDE CONDUIT, APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO OR ADDITIONAL INFORMATION AND REQUIREMENTS. (VA, 12470/208 STEP-DOWN TRANSFORMER. PROVIDE CONDUIT, APPURTENANCES REQUIRED FOR COMPLETE OPERATION. AND CONDUCTORS FOR NEW INDOOR MECHANICAL UNIT. SEE T SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. IT FIXTURE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY MPLETE OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON THIS N AMD REQUIREMENTS. UPANCY SENSOR SWITCH. PROVIDE CONDUIT, CONDUCTORS, AND EQUIRED FOR COMPLETE OPERATION. NING PROTECTION SYSTEM FOR BUILDING 145. ACTUAL SYSTEM HE CONTRACTOR IN ACCORDANCE WITH NFPA 780 REQUIREMENTS. L EQUIPMENT, PIPING AND BUILDING LAYOUTS PRIOR TO INITIATION (/120V, 600A, AUTOMATIC TRANSFER SWITCH. CONTRACTOR TO ND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE /3P BREAKER IN EXISTING SPACE. CONTRACTOR PROVIDE CONDUIT R COMPLETE OPERATION. WALL-MOUNTED UNIT NETWORK CONTROLLER. COORDINATE EXACT JTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH G FROM CONTROLS TO INDOOR UNIT AS REQUIRED FOR COMPLETE NECT FEEDING EXISTING COMPACTOR. EXTEND EXISTING CONDUIT	B
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TYPE	DESCRIPTION	MANUFACTURER	MODEL #	LAMP TYPE	CRI	DELIVERED LUMENS	COLOR TEMP
S1	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE SHOWN AS EMERGENCY ON PLANS.	LITHONIA	#ZL1N-L48-7000LM-FST-MVOLT-40 K-80CRI-WH (E10WLCP)	LED	80	6,785	4000K
S2	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE SHOWN AS EMERGENCY ON PLANS.	LITHONIA	#CLX-L96-14000LM-HEF-FDL-MVOL T-GZ1-LUGR-40K-80CRI-WH (E10WLCP)	LED	80	14,125	4000K
T1	2' X 2' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED DIFFUSER. PROVIDE WITH EMERGENCY BATTERY PACK OPTION #E10WLCP WHERE SHOWN AS EMERGENCY ON PLANS.	LITHONIA	#2BLT2-48L-ADP-EZ1-LP840 (E10WLCP)	LED	82	5,159	4000K
T2	2' X 4' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED DIFFUSER. PROVIDE WITH EMERGENCY BATTERY PACK OPTION #E10WLCP WHERE SHOWN AS EMERGENCY ON PLANS.	LITHONIA	#2BLT4-48L-ADP-EZ1-LP840 (E10WLCP)	LED	82	5,169	4000K
Х	8" TALL LED EXIT SIGN W/ IMPACT-RESISTANT, SCRATCH-RESISTANT, AND CORROSION-PROOF WHITE THERMOPLASTIC HOUSING, RED LETTERS.	LITHONIA	#LHQM-LED-R-HORO	LED	-	-	-





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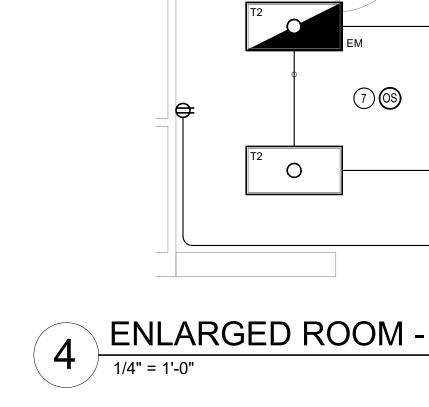
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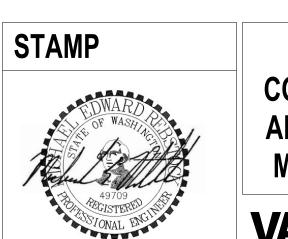
LUMI						
	DESCRIPTION	MANUFACTURER	Ν			
	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS EMERGENCY ON PLANS.	LITHONIA	#ZL1N-L48-70 K-80CRI-			
	2' X 2' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED DIFFUSER. PROVIDE WITH EMERGENCY BATTERY PACK OPTION #E10WLCP WHERE SHOWN AS EMERGENCY ON PLANS.	LITHONIA	#2BLT2-48 (E			
	2' X 4' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED DIFFUSER. PROVIDE WITH EMERGENCY BATTERY PACK OPTION #E10WLCP WHERE SHOWN AS EMERGENCY ON PLANS	LITHONIA	#2BLT4-48 (E			

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CONSTRUCTION AND FACILITIES	FIRST FLOOR ENLARGED PLANS	DOCUMENTS	UPGRADES	
MANAGEMENT	APPROVED: Project Director	FLS	LOCATION FORT MEADE,	
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A U.S. Department of Veterans Affairs	FOR OFFICIAL USE ONLY (FOUO)		11/05/2024	ME
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RE SCHEDULE DELIVERED COLOR TEMP INPUT LUMENS WATTS MODEL # LAMP TYPE FINISH CRI LUMENS 7000LM-FST-MVOLT-40 WHITE LED 6,785 4000K 52 80 RI-WH (E10WLCP) -48L-ADP-EZ1-LP840 WHITE 5,159 4000K 42.9 LED 82 (E10WLCP) -48L-ADP-EZ1-LP840 WHITE 5,169 4000K 39.3 LED 82 (E10WLCP)

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1.	COORDINATE EXACT LOCATION OF M CORRESPONDING DISCIPLINE'S DRAV
2.	CONTRACTOR SHALL BE RESPONSIBL FIXTURES, AND EQUIPMENT WITHIN S REMOVE OR SECURE PHI., PPI, AND P
3.	REFER TO ASSOCIATED TN SHEETS F
4.	REFER TO ELECTRICAL FEEDER SCHE FEEDER REQUIREMENTS.
5.	REFER TO MECHANICAL EQUIPMENT S REQUIREMENTS.
6.	CONDUIT ROUTING SHOWN IS SCHEN INSTALLATION.
K	<u>EYNOTES</u>
1	CONTRACTOR TO PROVIDE NEW LIGH APPURTENANCES REQUIRED FOR CO SHEET FOR ADDITIONAL INFORMATIO

- APPURTENANCES REQUIRED FOR COMPLETE OPERATION.

- GENERAL NOTES
- 9

- AWINGS.

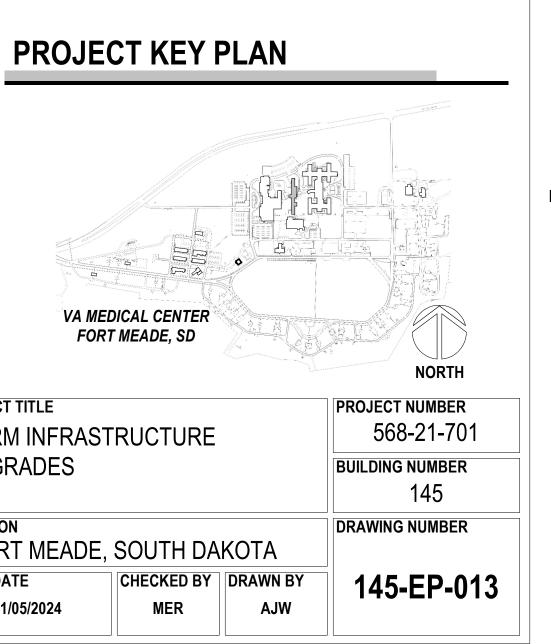
MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE

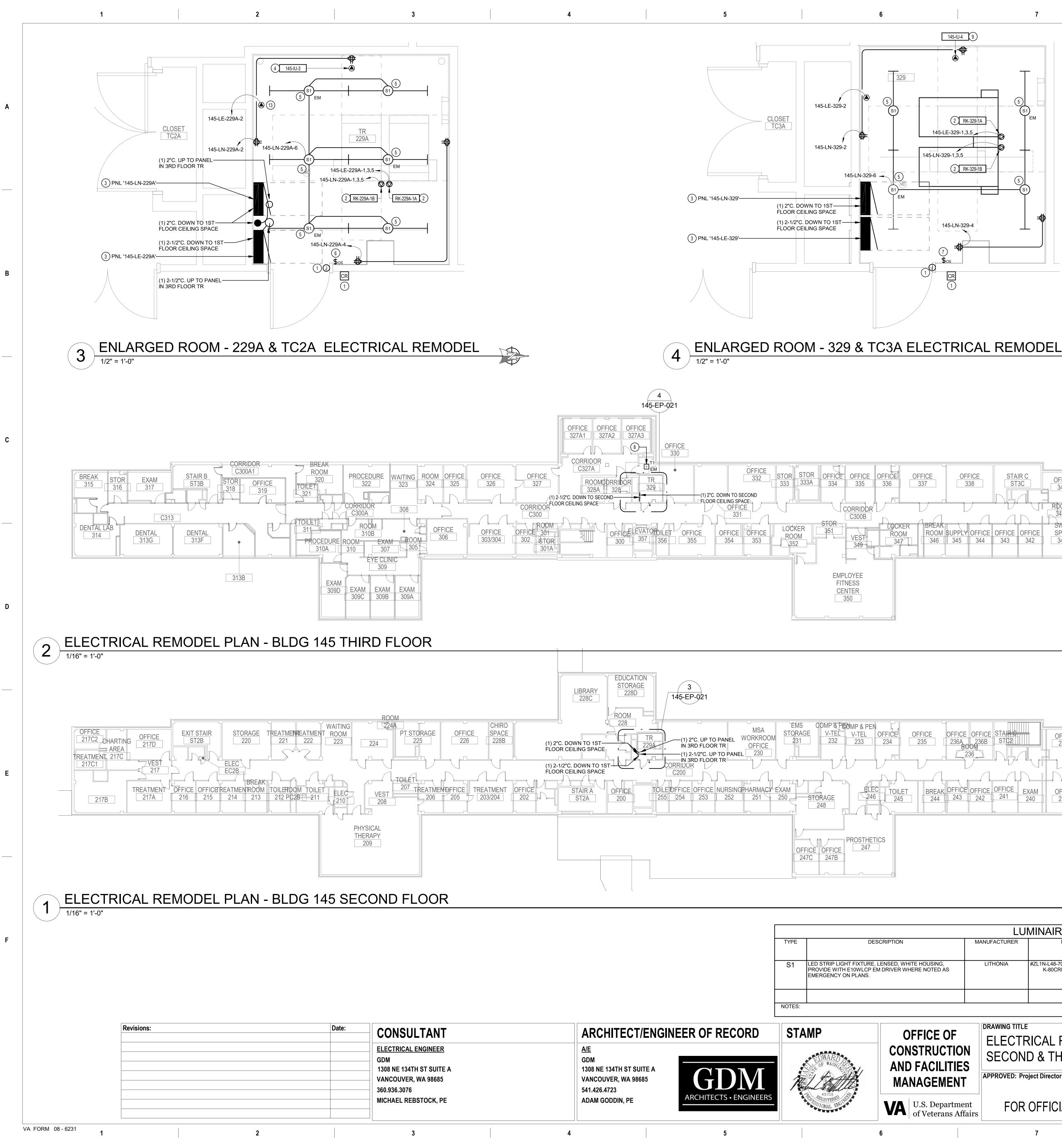
BLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR. FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES. HEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR

T SCHEDULE ON SHEET 145-EP-011 FOR ADDITIONAL INFORMATION AND EMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO

GHT FIXTURE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY COMPLETE OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON THIS ION AMD REQUIREMENTS. 2 CONTRACTOR TO PROVIDE NEW 208V, 60A, 3-PHASE POWER TERMINATING IN HARD-WIRED JUNCTION BOX FOR NEW RACK POWER. JUNCTION BOX TO BE MOUNTED DIRECTLY ON CABLE TRAY. 3 CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS FOR NEW INDOOR MECHANICAL UNIT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON SHEET 145-EP-011 FOR ADDITIONAL INFORMATION. 4 CONTRACTOR TO PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. 5 CONTRACTOR TO PROVIDE NEW LIGHT SWITCH. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY 6 CONTRACTOR TO PROVIDE NEW 208Y/120V, 125A, PANEL WITH NEW 125A/3P MAIN BREAKER. PROVIDE CONDUIT, CONDUCTORS, AND ALL APPURTENANCES REQUIRED FOR COMPLETE OPERATION. 7 CONTRACTOR TO PROVIDE NEW OCCUPANCY SENSOR. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION.

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E OF UCTION CILITIES	SECON											
EMENT	APPROVED: Pr	oject Director			FL					VA MEDICAL CENTER FORT MEADE, SD PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION FORT MEADE, SOUTH DAK ISSUE DATE 11/05/2024 CHECKED BY MER	KOTA	
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KER DM 7 1 346	SUPPLY OFFICE	OFFICE OFFICE 343 342	ROOM 341 SWING SPACE 341D	STOR 341C

		ī	
OFFICE 338	STAIR C ST3C	OFFICE 341A	CONFERENCE ROOM 341B
riiii (11)	OFFICE OFFICE	ROOM 341 SWING SPACE	STOR 341C
345 344	343 342	341D	

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AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

FEEDER REQUIREMENTS. REQUIREMENTS. INSTALLATION. <u>KEYNOTES</u>

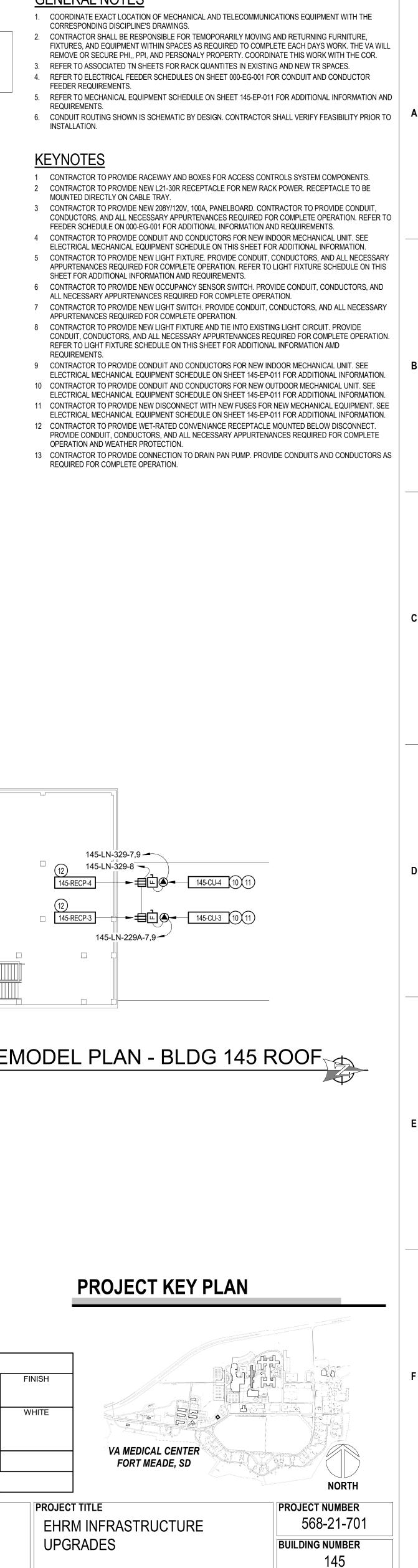
GENERAL NOTES

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- MOUNTED DIRECTLY ON CABLE TRAY.

- SHEET FOR ADDITIONAL INFORMATION AMD REQUIREMENTS.
- APPURTENANCES REQUIRED FOR COMPLETE OPERATION.
- REQUIREMENTS.

- OPERATION AND WEATHER PROTECTION. REQUIRED FOR COMPLETE OPERATION.

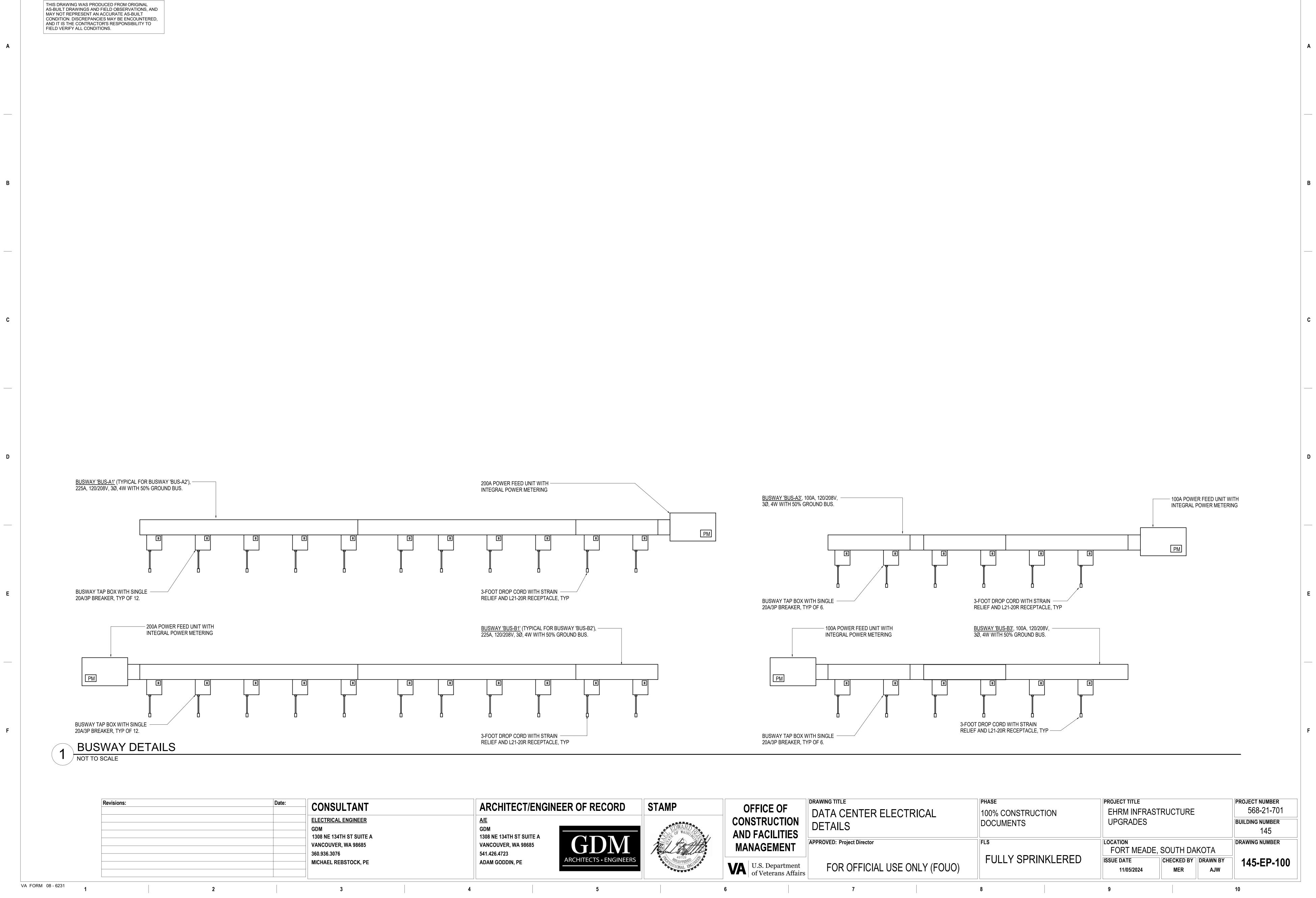


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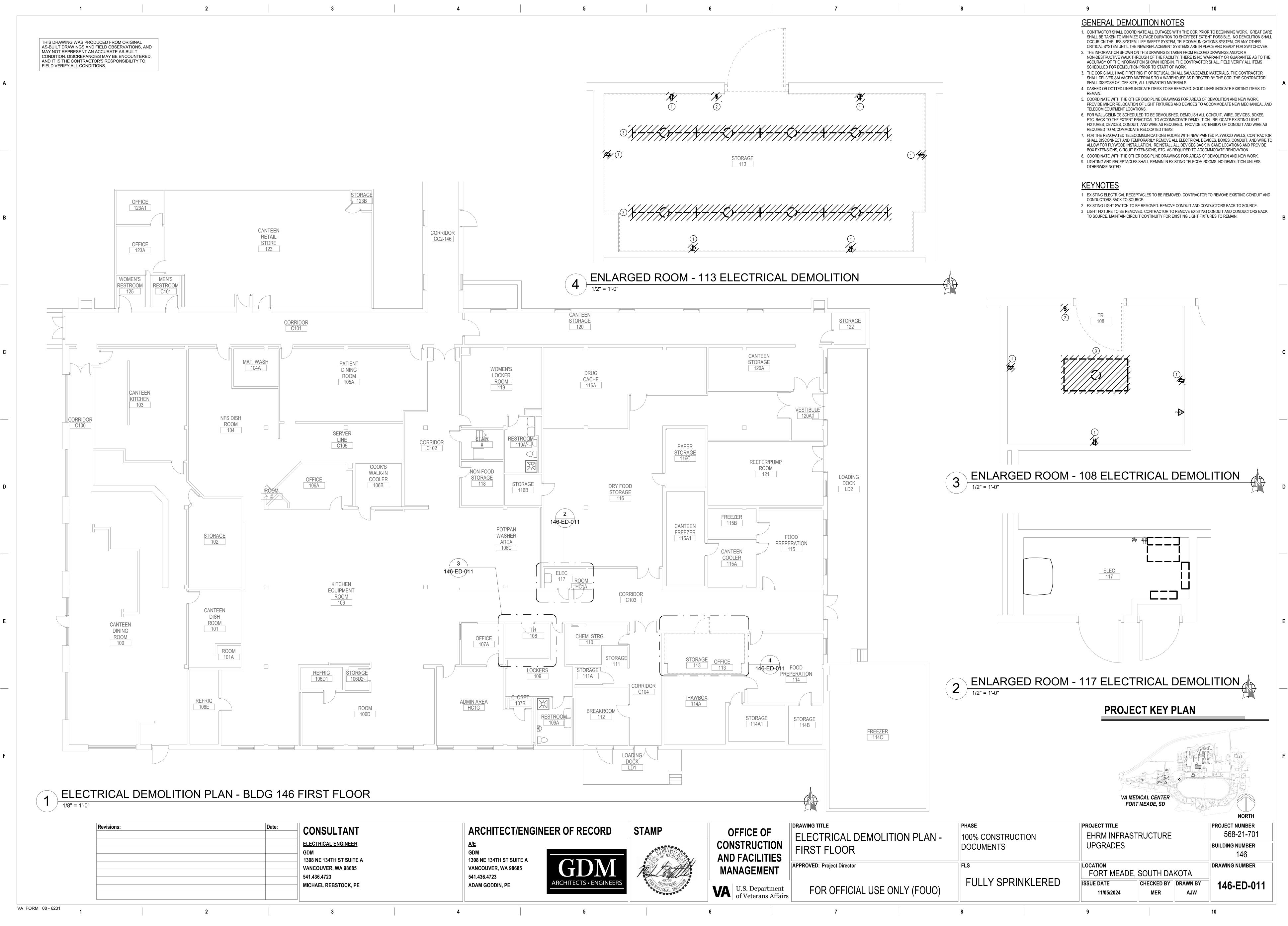
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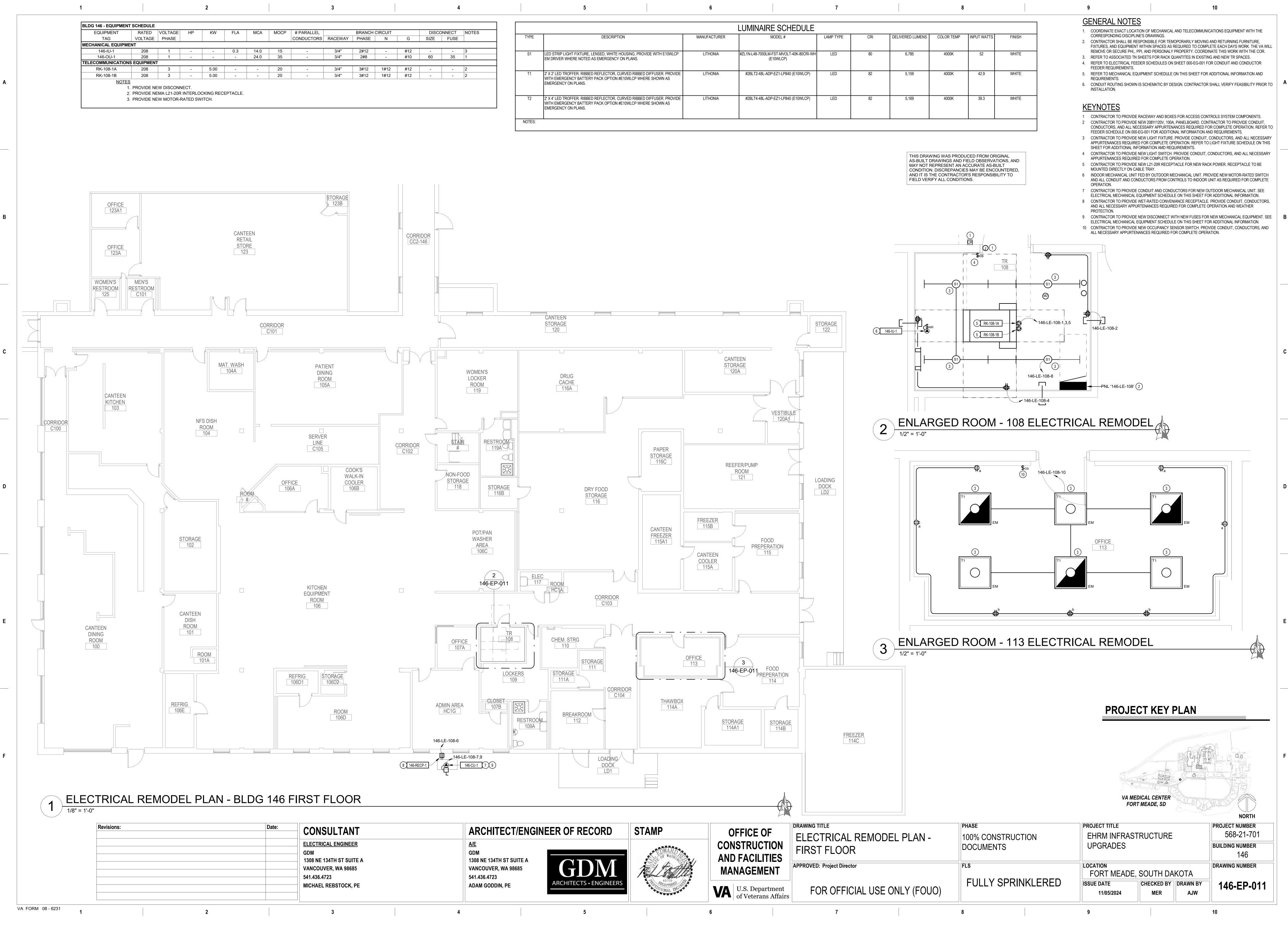
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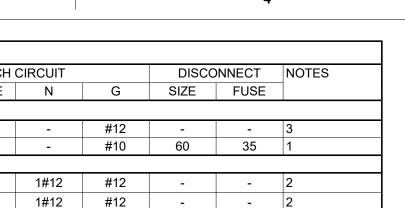


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OF	DRAWING TITLE	PHASE	PROJECT TITLE	







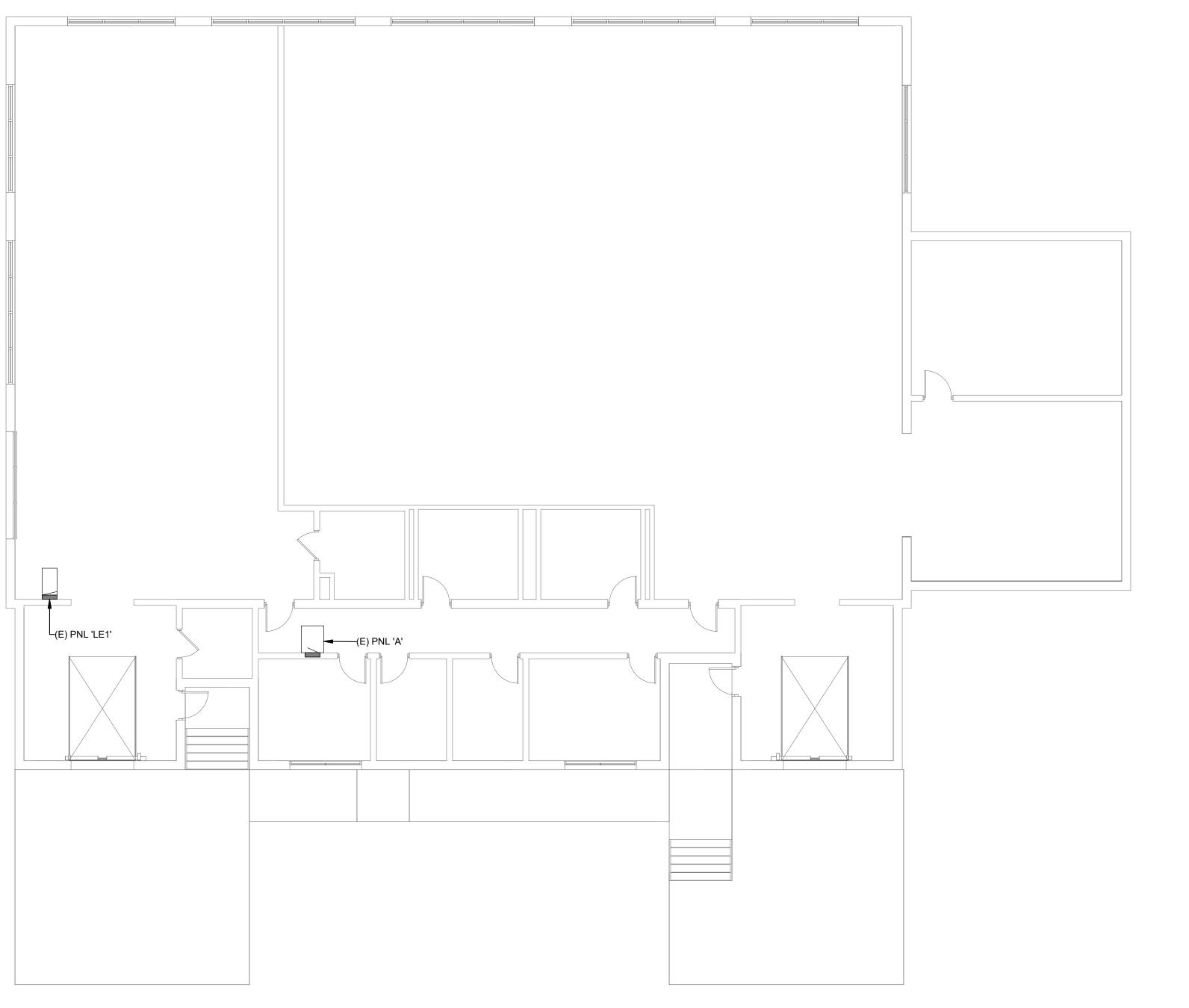
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TYPE	DESCRIPTION	MANUFACTURER	
S1	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS EMERGENCY ON PLANS.	LITHONIA	#ZL1N-L48-7
T1	2' X 2' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED DIFFUSER. PROVIDE WITH EMERGENCY BATTERY PACK OPTION #E10WLCP WHERE SHOWN AS EMERGENCY ON PLANS.	LITHONIA	#2BLT2-4
T2	2' X 4' LED TROFFER. RIBBED REFLECTOR, CURVED RIBBED DIFFUSER. PROVIDE WITH EMERGENCY BATTERY PACK OPTION #E10WLCP WHERE SHOWN AS EMERGENCY ON PLANS.	LITHONIA	#2BLT4-4
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		Revisions:		Date:	
					CONSULTANT
					GDM 1308 NE 134TH ST SUITE A
					VANCOUVER, WA 98685 541.436.4723
					MICHAEL REBSTOCK, PE

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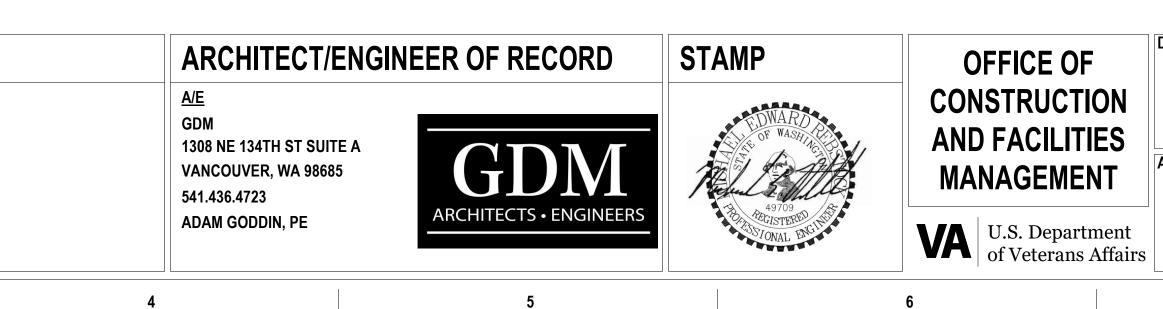


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LITION PLAN - BLDG 147 FIRST FLOOR

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FOR OFFICIAL USE ONLY (FOUO)

FIRST FLOOR APPROVED: Project Director

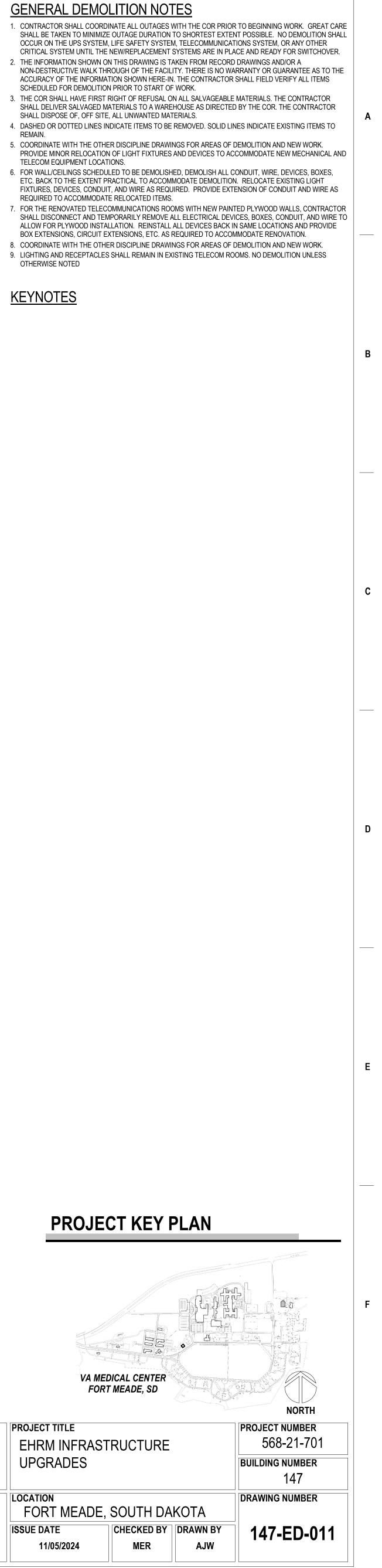
ELECTRICAL DEMOLITION PLAN -

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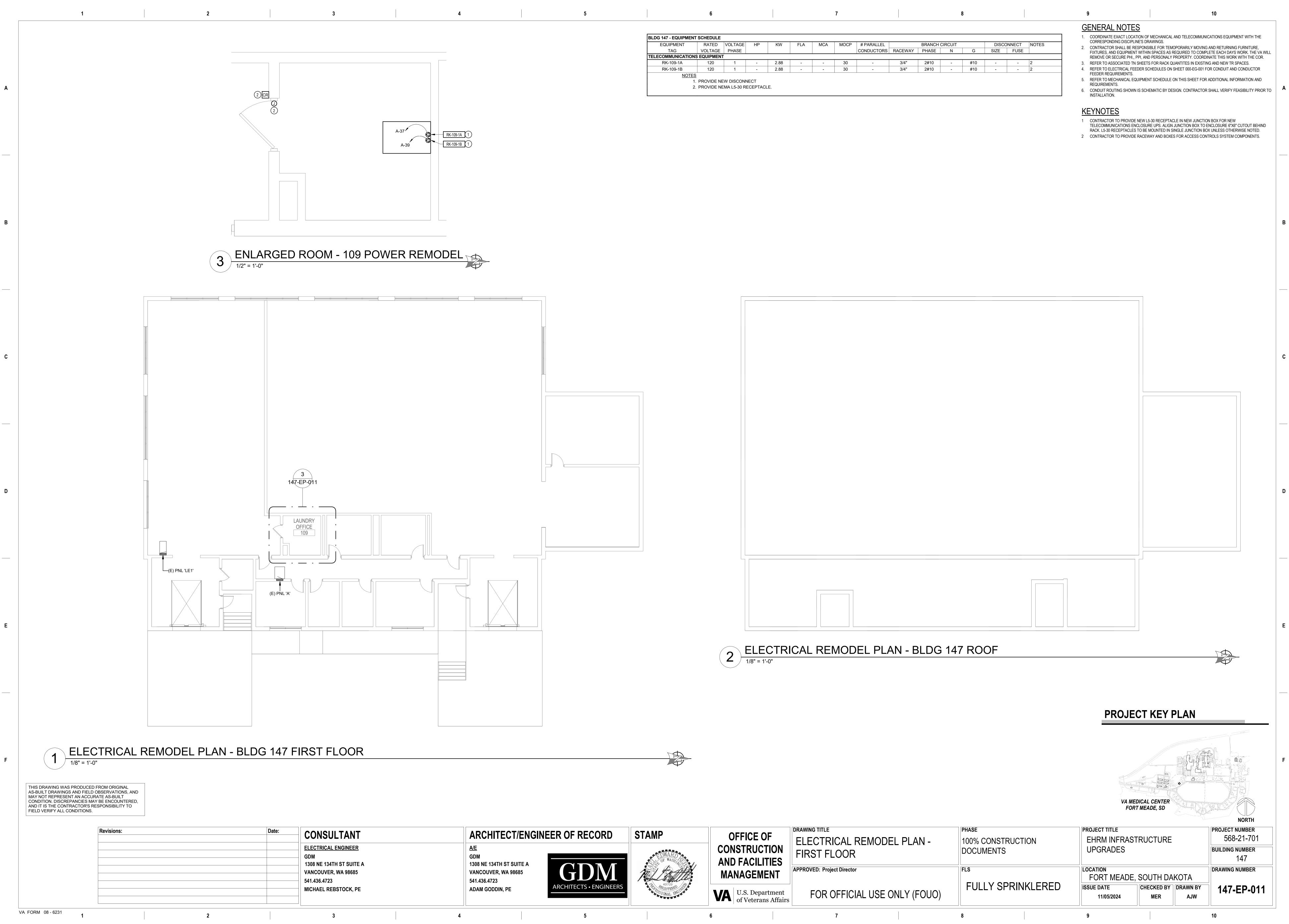
PHASE 100% CONSTRUCTION DOCUMENTS

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION **ISSUE DATE** 11/05/2024



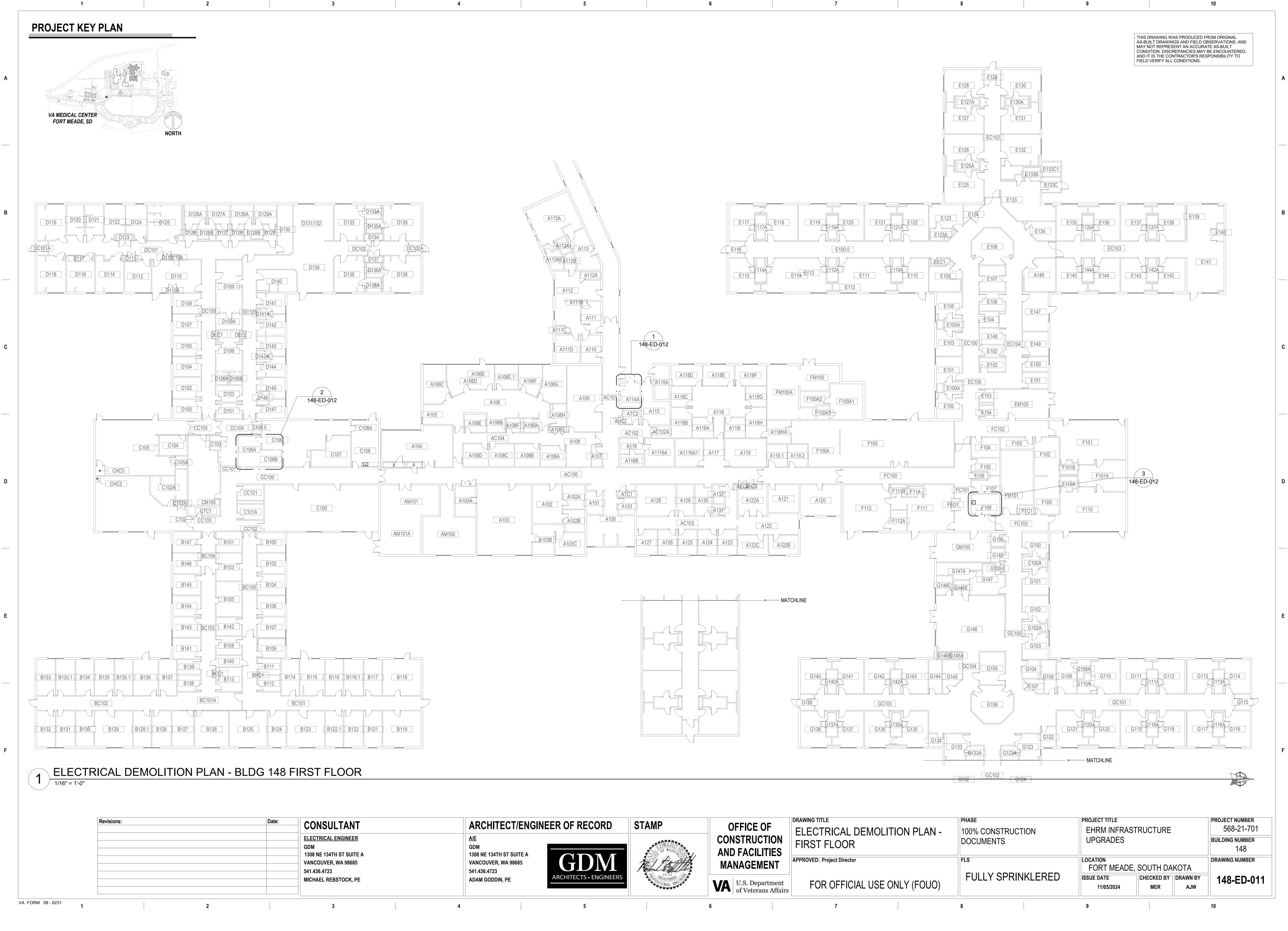
- REMAIN. TELECOM EQUIPMENT LOCATIONS. REQUIRED TO ACCOMMODATE RELOCATED ITEMS.
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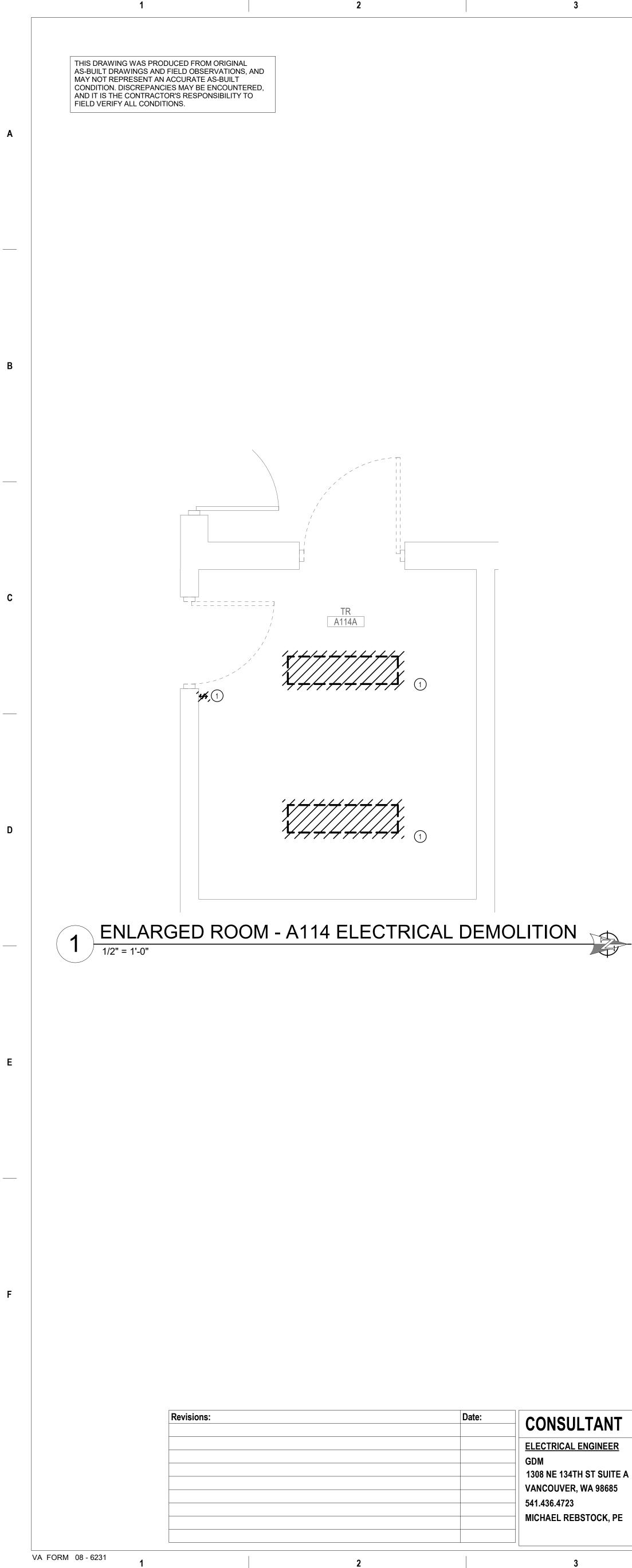
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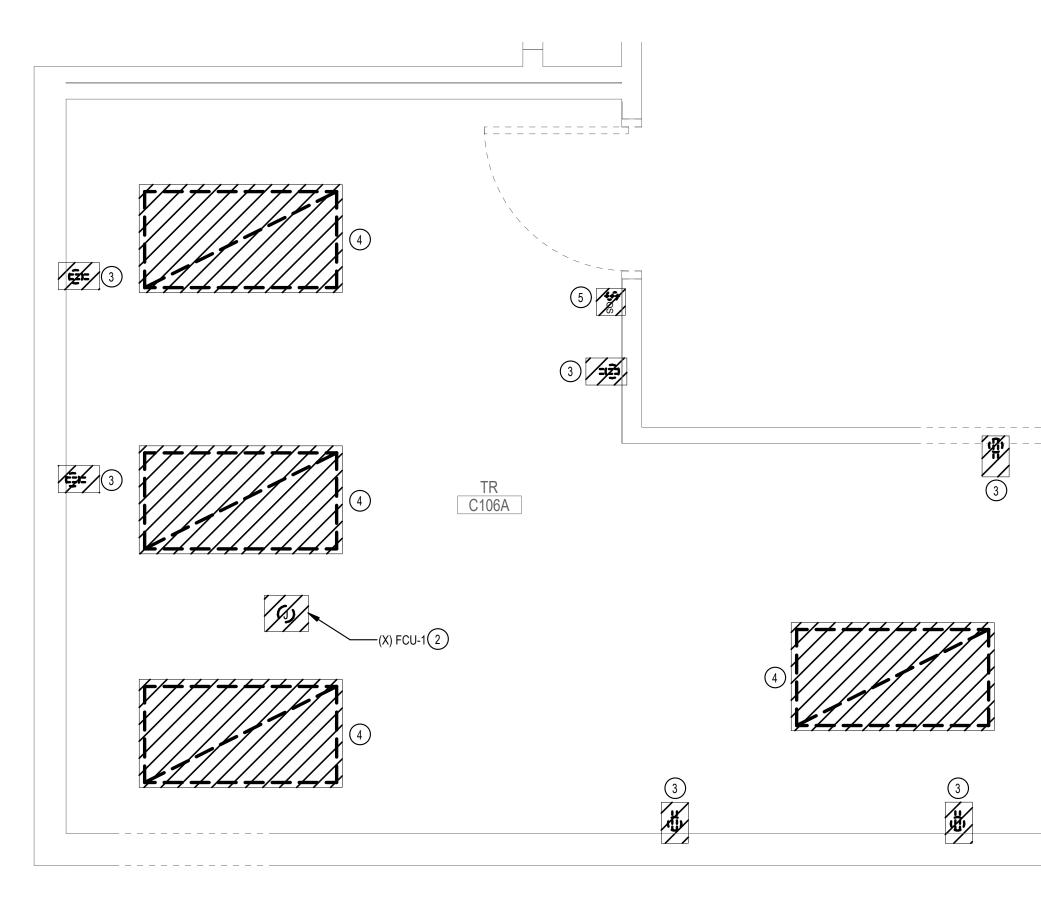


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HP	KW	FLA	MCA	MOCP	# PARALLEL		BRANCH (CIRCUIT		DISCO	ONNECT	NOTES
					CONDUCTORS	RACEWAY	PHASE	Ν	G	SIZE	FUSE	
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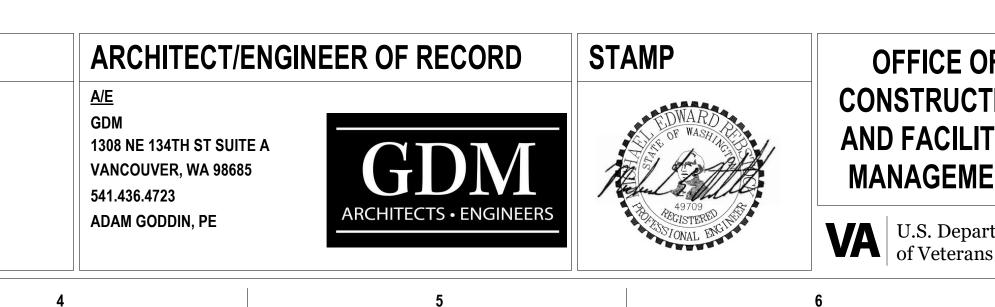
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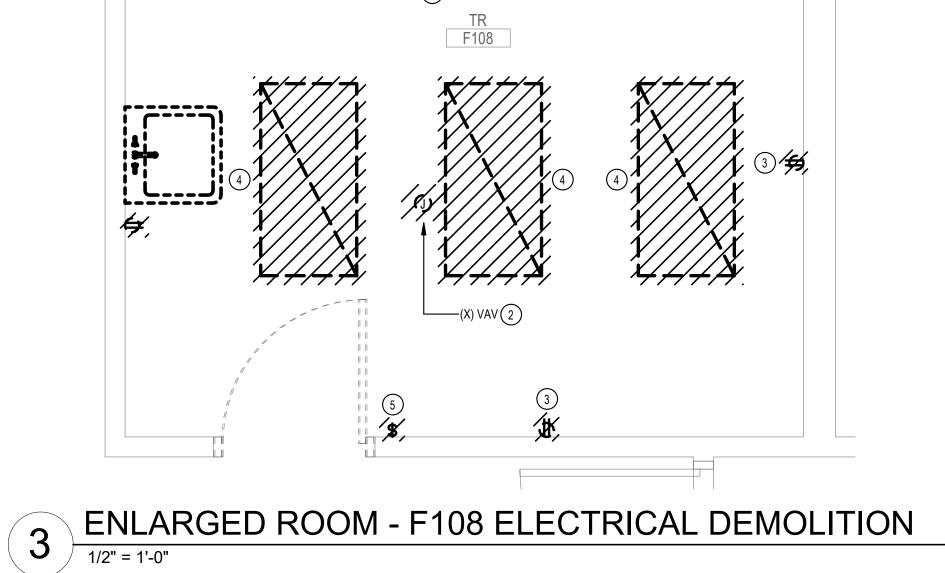
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ENLARGED ROOM - C106A ELECTRICAL DEMOLITION 2 ENLA



			FORT MEADE,
OF TION ITIES	DRAWING TITLE ELECTRICAL DEMOLITION P ENLARGED ROOMS	PHASE LAN - 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES
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PROJECT KEY PLAN



KEYNOTES SOURCE.

OTHERWISE NOTED

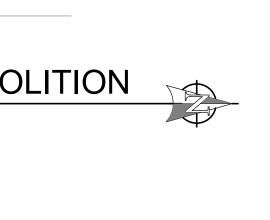
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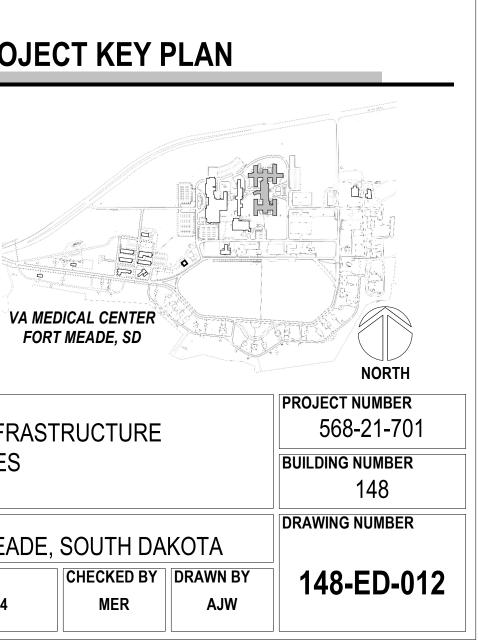
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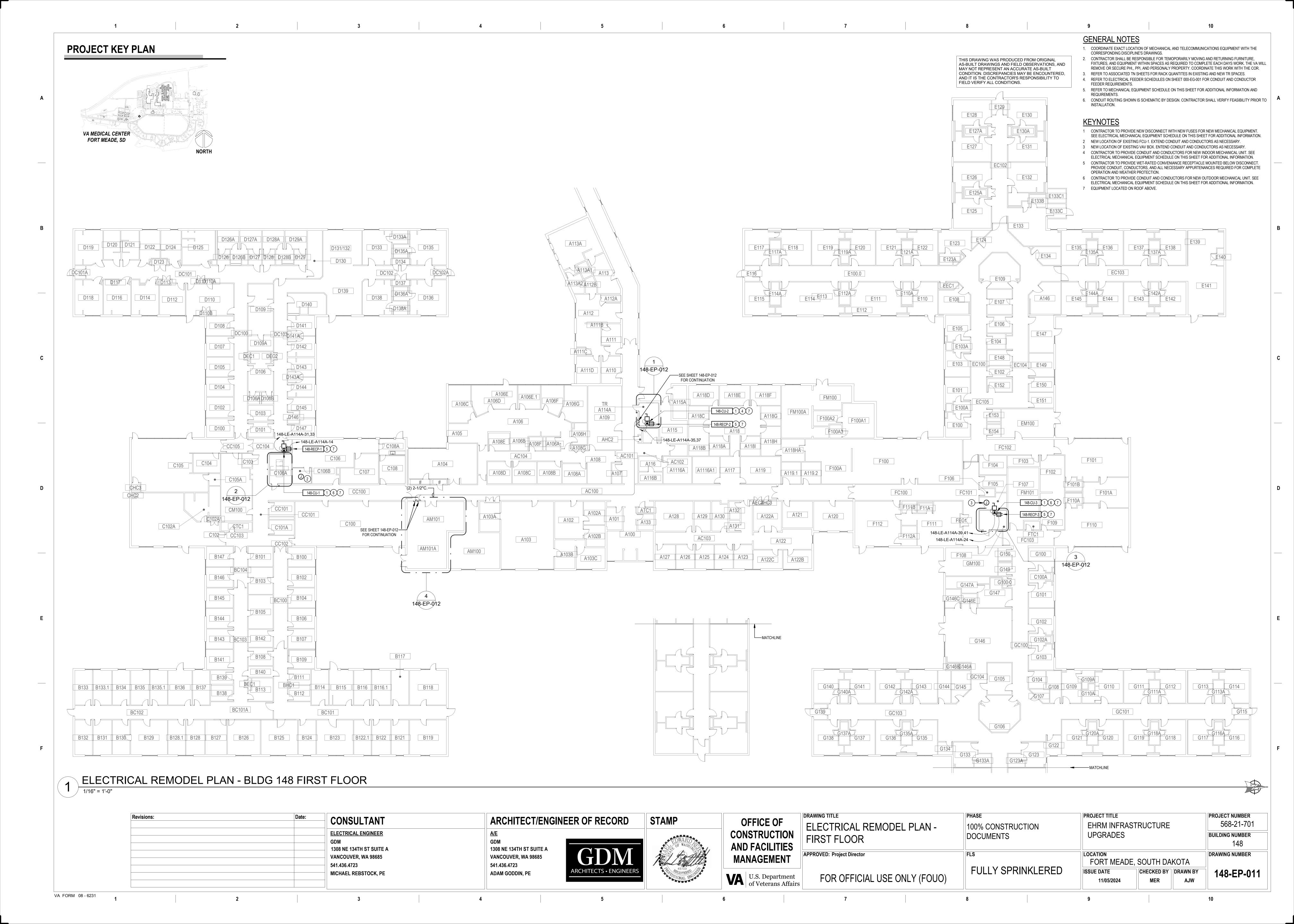
- FOR NEW LOCATION OF MECHANICAL UNIT.
- AND CONDUCTORS BACK TO SOURCE.

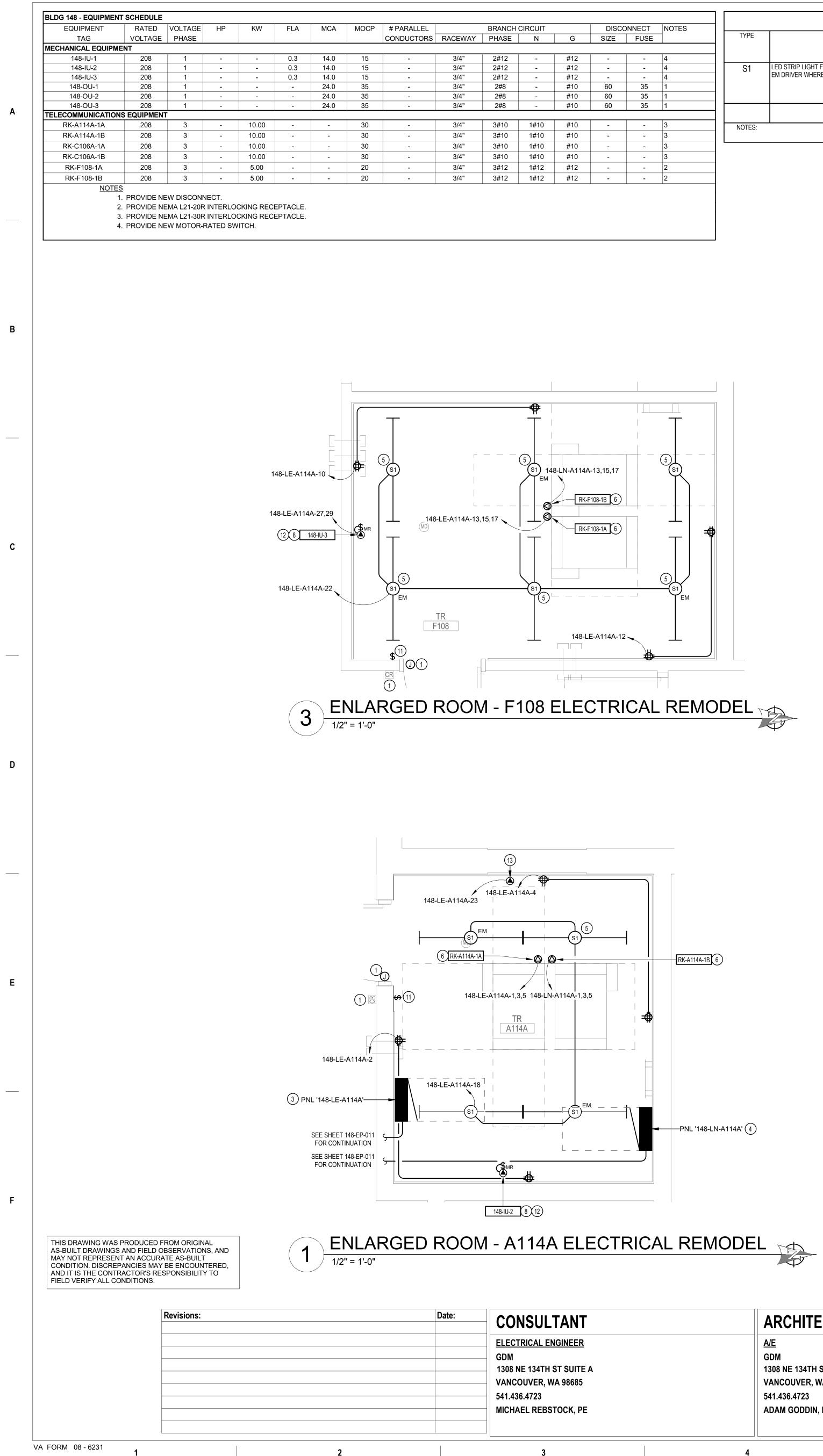
TELECOM EQUIPMENT LOCATIONS.







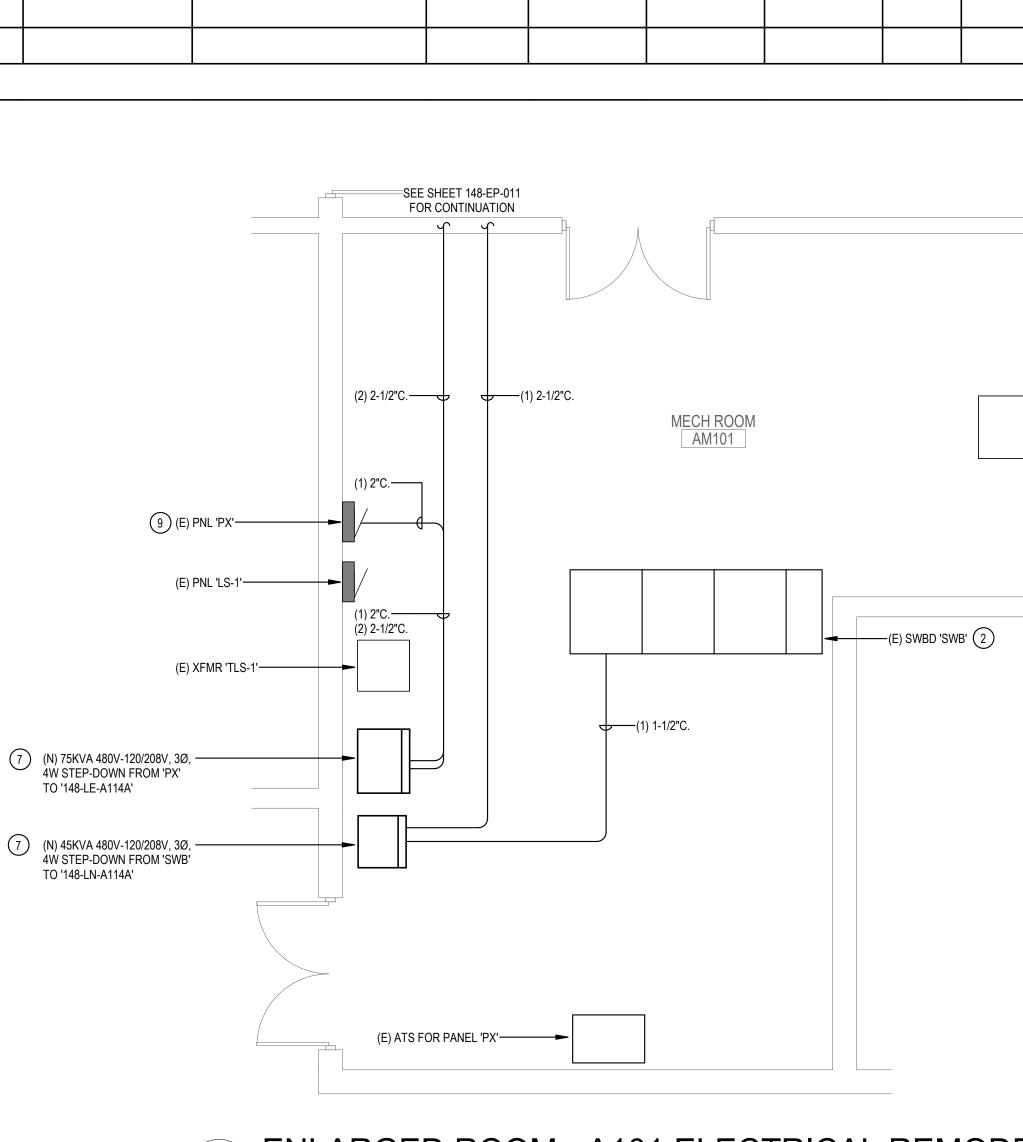


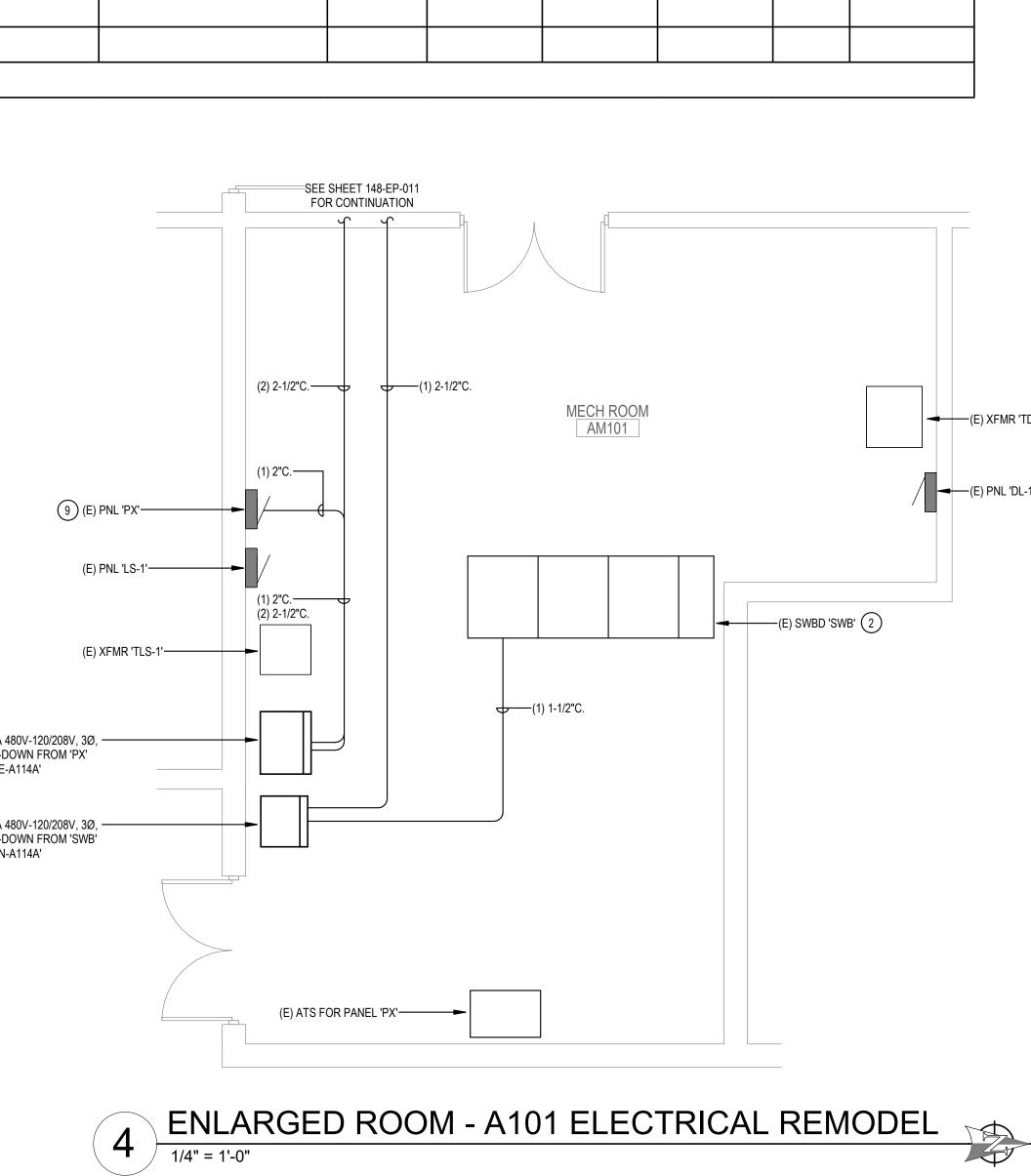


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]			LUMINAIRE SCHEDULE	
DISCO	NNECT FUSE	NOTES	TYPE	DESCRIPTION	MANUFACTURER	MODEL #	LAMP TYP
-	-	4 4 4	S1	LED STRIP LIGHT FIXTURE, LENSED, WHITE HOUSING, PROVIDE WITH E10WLCP EM DRIVER WHERE NOTED AS EMERGENCY ON PLANS.	LITHONIA	#ZL1N-L48-7000LM-FST-MVOLT-40K-80CRI-WH (E10WLCP)	LED
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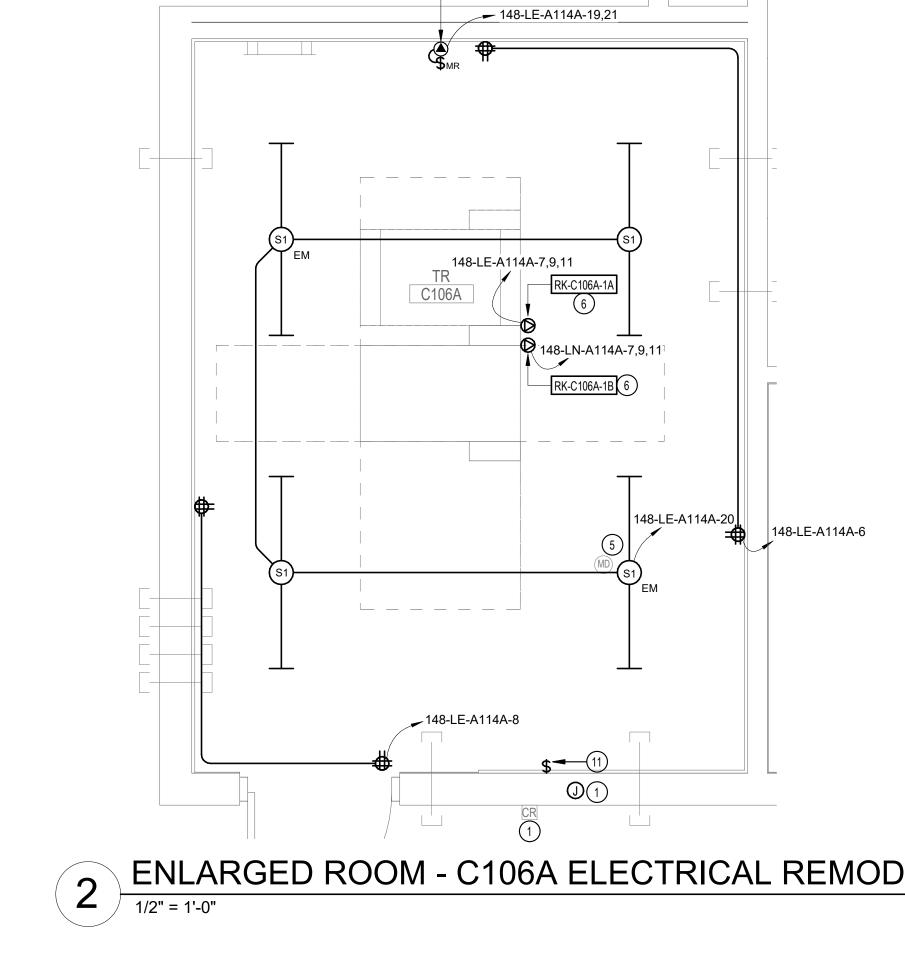
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COLOR TEMP INPUT WATTS

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4000K



ARCHITECT/ENGINEER OF RECORD STAMP OFFICE (<u>A/E</u> GDM 1308 NE 134TH ST SUITE A GDN VANCOUVER, WA 98685 541.436.4723 **ARCHITECTS • ENGINEER** ADAM GODDIN, PE

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CONSTRUC **AND FACILI** MANAGEM

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ROOM	- C106A ELECTRICAL REMODE	EL	VA MEDICAL CENTER FORT MEADE, SD
E OF JCTION ILITIES	DRAWING TITLE ELECTRICAL REMODEL PLAN - ENLARGED ROOMS	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES
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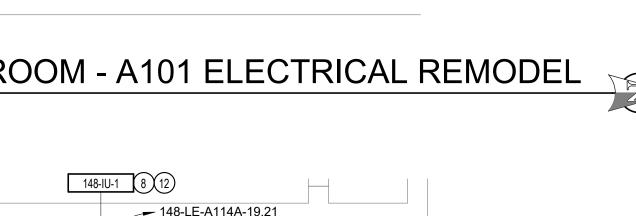
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(E) XFMR 'TDL-1' (10)

(E) PNL 'DL-1'

FINISH

WHITE



G	ENERAL NOTES
1.	COORDINATE EXACT LOCATION OF MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE CORRESPONDING DISCIPLINE'S DRAWINGS.
2.	CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR.
3.	REFER TO ASSOCIATED TN SHEETS FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES.
4.	REFER TO ELECTRICAL FEEDER SCHEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR FEEDER REQUIREMENTS.
5.	REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
6.	CONDUIT ROUTING SHOWN IS SCHEMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO INSTALLATION.
V	EYNOTES
	CONTRACTOR TO PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS.
1 2	USE EXISTING 250A SPARE BREAKER IN EXISTING SWITCHBOARD 'SWB'. ADJUST BREAKER TRIP RATING T
Z	150A. REPLACE PLUG TRIP SENSOR TO 125A.
3	CONTRACTOR TO PROVIDE NEW 208Y/120V, 225A, PANELBOARD. CONTRACTOR TO PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO FEEDER SCHEDULE ON 000-EG-001 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4	CONTRACTOR TO PROVIDE NEW 208Y/120V, 100A, PANELBOARD. CONTRACTOR TO PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO FEEDER SCHEDULE ON 000-EG-001 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5	CONTRACTOR TO PROVIDE NEW LIGHT FIXTURE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AMD REQUIREMENTS.
6	CONTRACTOR TO PROVIDE NEW L21-30R RECEPTACLE FOR NEW RACK POWER. RECEPTACLE TO BE MOUNTED DIRECTLY ON CABLE TRAY.
7	CONTRACTOR TO PROVIDE NEW TRANSFORMER WITH SIZE AS INDICATED. PROVIDE CONDUIT, CONDUTOR, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION.
8	CONTRACTOR TO PROVIDE NEW DISCONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
9	CONTRACTOR TO PROVIDE NEW 175A SUBFEED BREAKER IN EXISTING SPACE NEXT TO MCCX3 TO FEED NEW TRANSFORMER FOR BRANCH PANEL '148-LE-A114A'. MATCH EXISTING TYPE AND MANUFACTURER.
10	PROVIDE LABEL ON EXISTING TRANSFORMER TO READ: TRANSFORMER IS DERATED TO 75KVA AND SHAL NOT EXCEED 80A OF CONTINUOUS LOAD.
11	CONTRACTOR TO PROVIDE NEW LIGHT SWITCH. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION.
12	INDOOR MECHANICAL UNIT FED BY OUTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH AND ALL CONDUIT AND CONDUCTORS FROM CONTROLS TO INDOOR UNIT AS REQUIRED FOR COMPLETE OPERATION.
40	CONTRACTOR TO PROVIDE CONVECTION TO PRAVIL RAN RUMP, PROVIDE CONDUCTO AND CONDUCTORS A

REQUIRED FOR COMPLETE OPERATION.

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PROJECT KEY PLAN

ATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO A

B

13 CONTRACTOR TO PROVIDE CONNECTION TO DRAIN PAN PUMP. PROVIDE CONDUITS AND CONDUCTORS AS

NORTH **PROJECT NUMBER** 568-21-701 CTURE **BUILDING NUMBER**

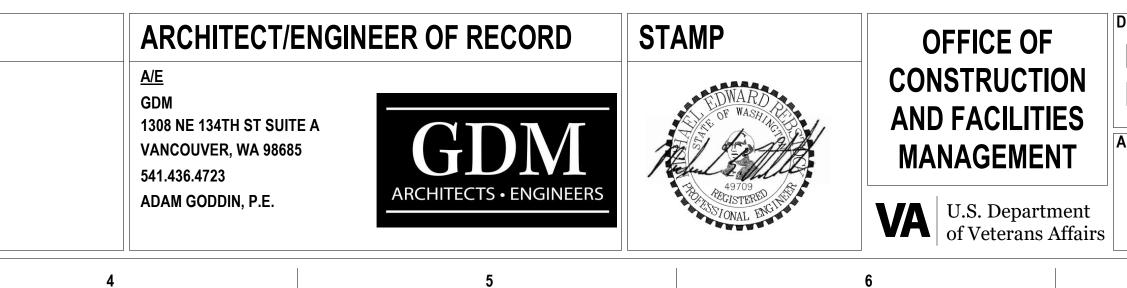
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148-EP-012

DRAWING NUMBER



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ELECTRICAL DEMOLITION PLAN - BLDG T171 FIRST FLOOR

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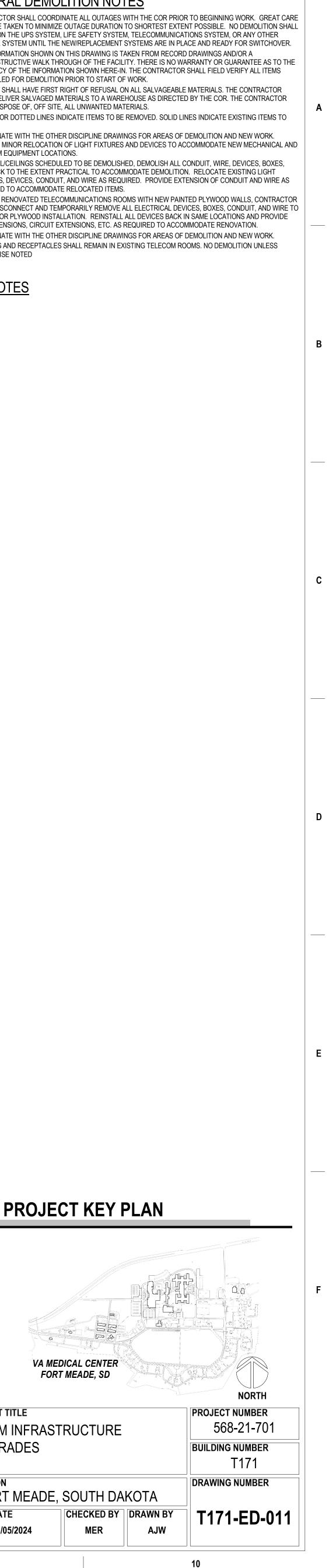
ELECTRICAL DEMOLITION PLAN -FIRST FLOOR APPROVED: Project Director

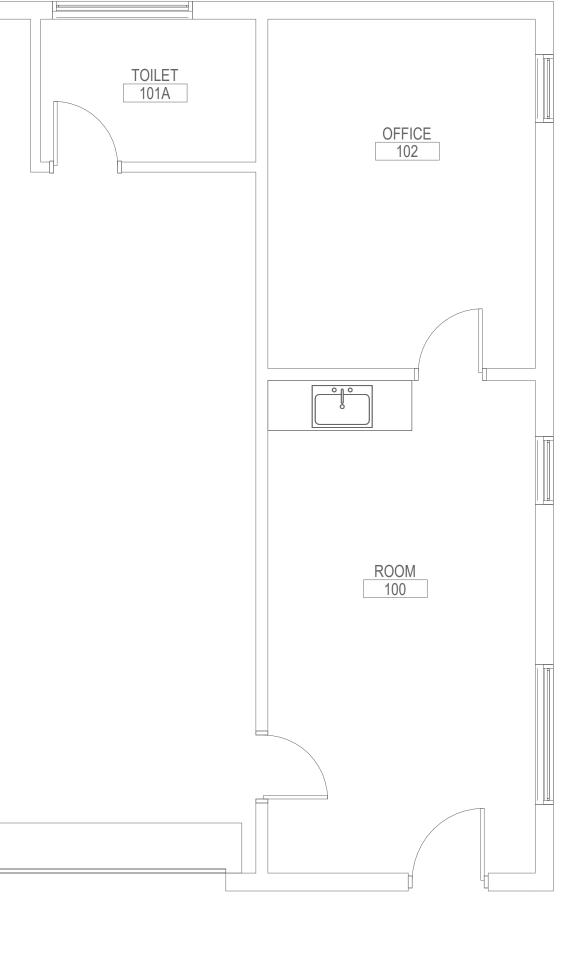
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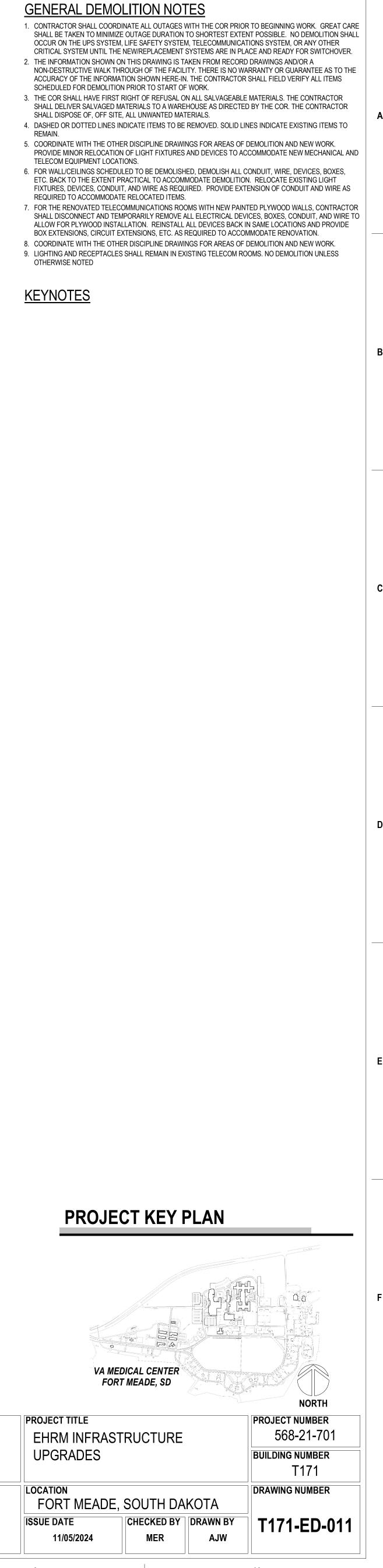
UPGRADES LOCATION **ISSUE DATE** 11/05/2024

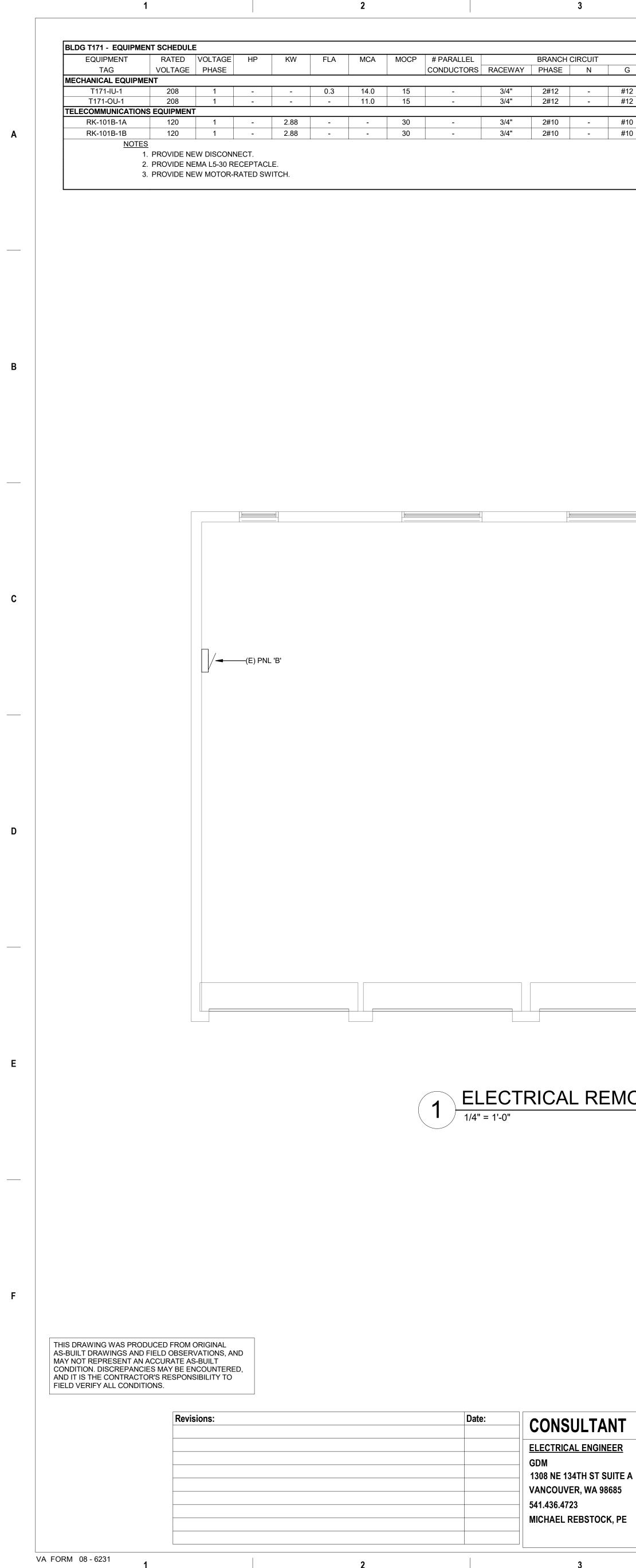




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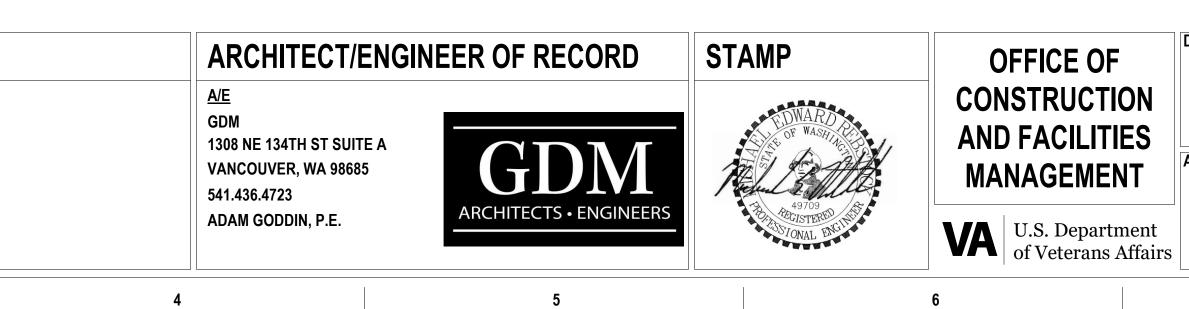
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ELECTRICAL REMODEL PLAN - BLDG T171 FIRST FLOOR



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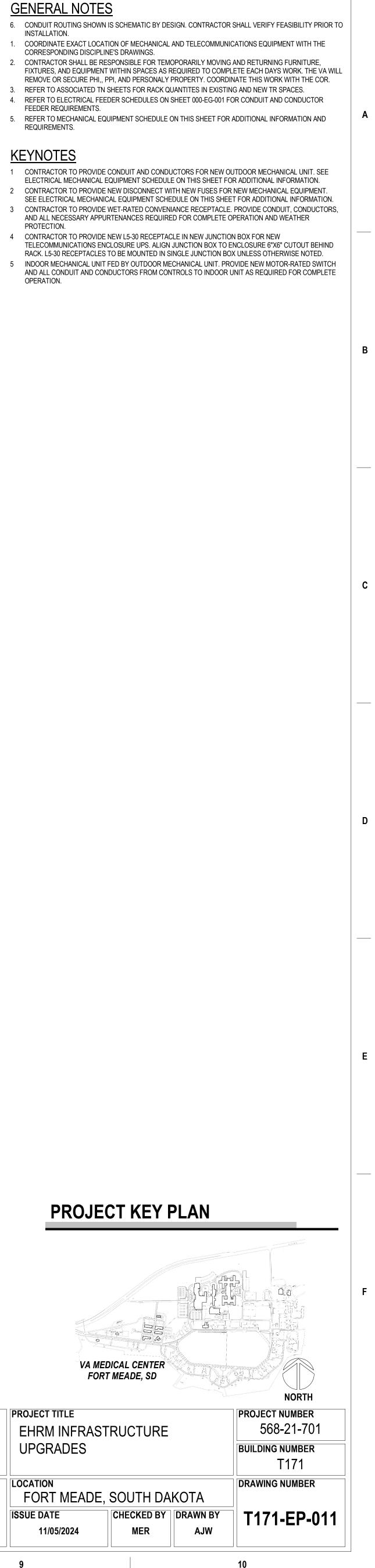
ELECTRICAL REMODEL PLAN -FIRST FLOOR **APPROVED:** Project Director

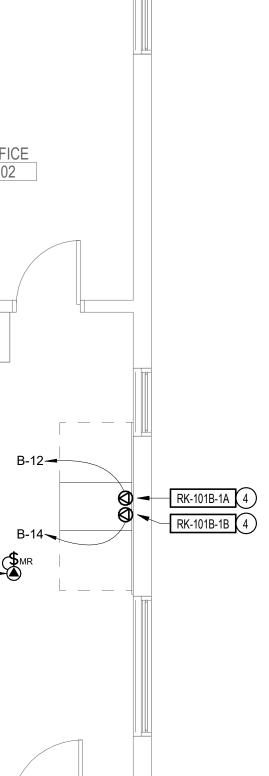
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PHASE 100% CONSTRUCTION DOCUMENTS

EHRM INFRASTRUCTURE UPGRADES LOCATION **ISSUE DATE** 11/05/2024





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- REQUIREMENTS. **KEYNOTES**
 - PROTECTION.

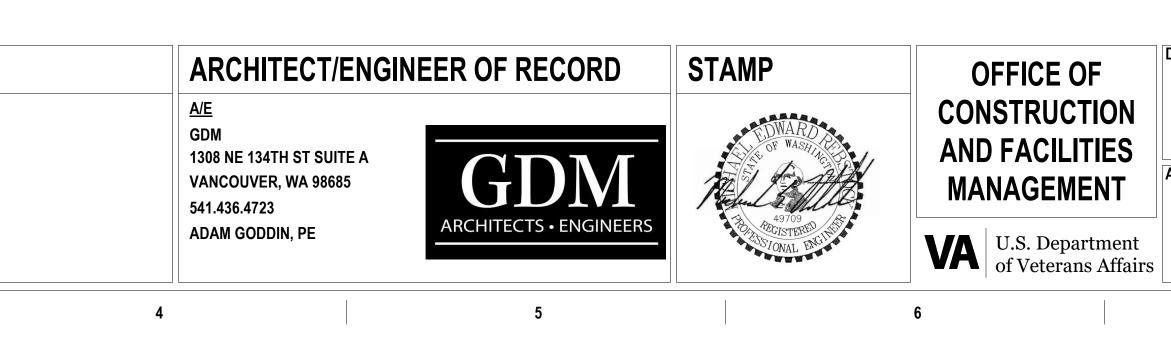
- **GENERAL NOTES**

- INSTALLATION.

- CORRESPONDING DISCIPLINE'S DRAWINGS.

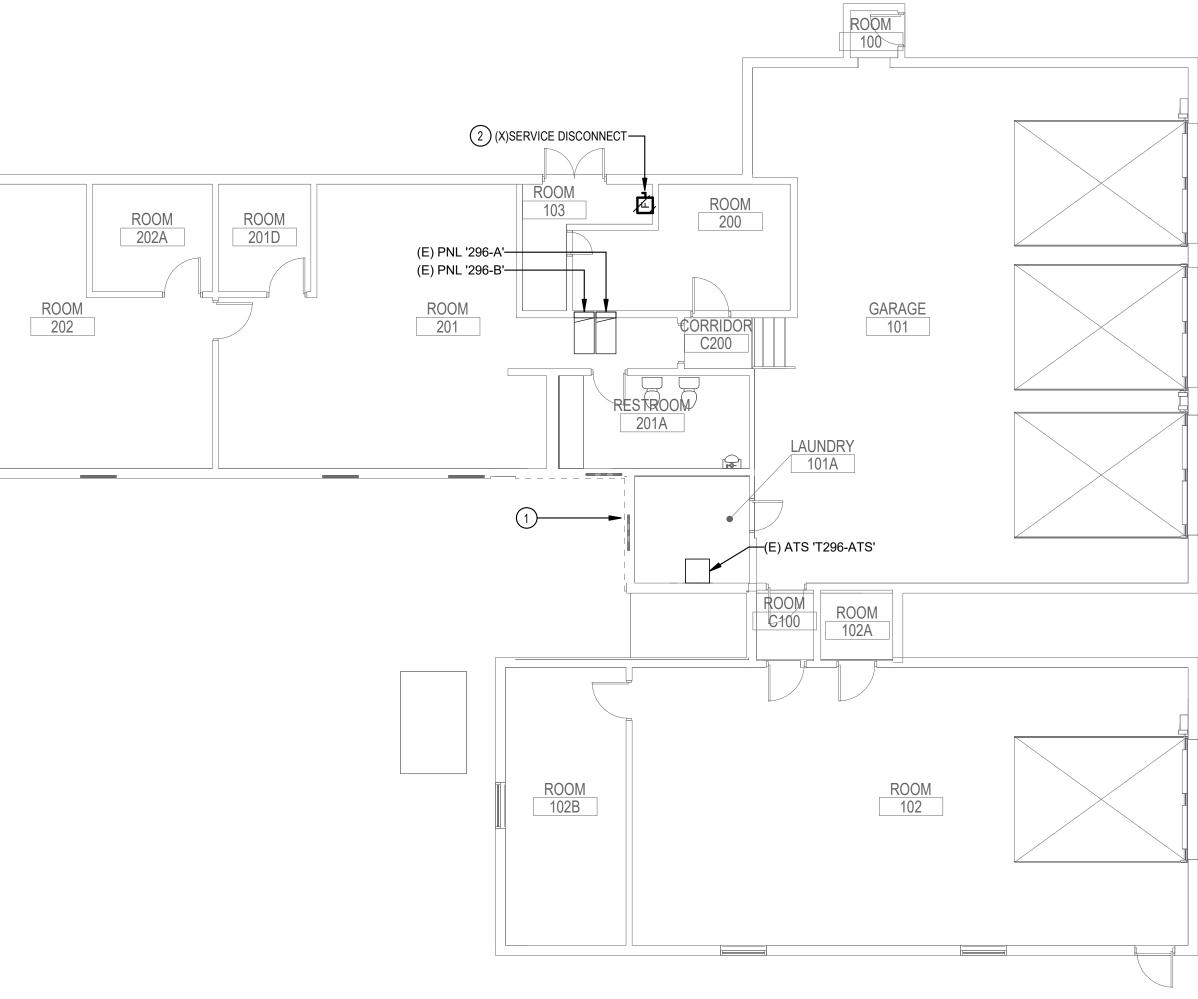
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					1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723
					MICHAEL REBSTOCK, PE

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RICAL DEMOLITION PLAN - BLDG T296 FIRST FLOOR

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APPROVED: Project Director

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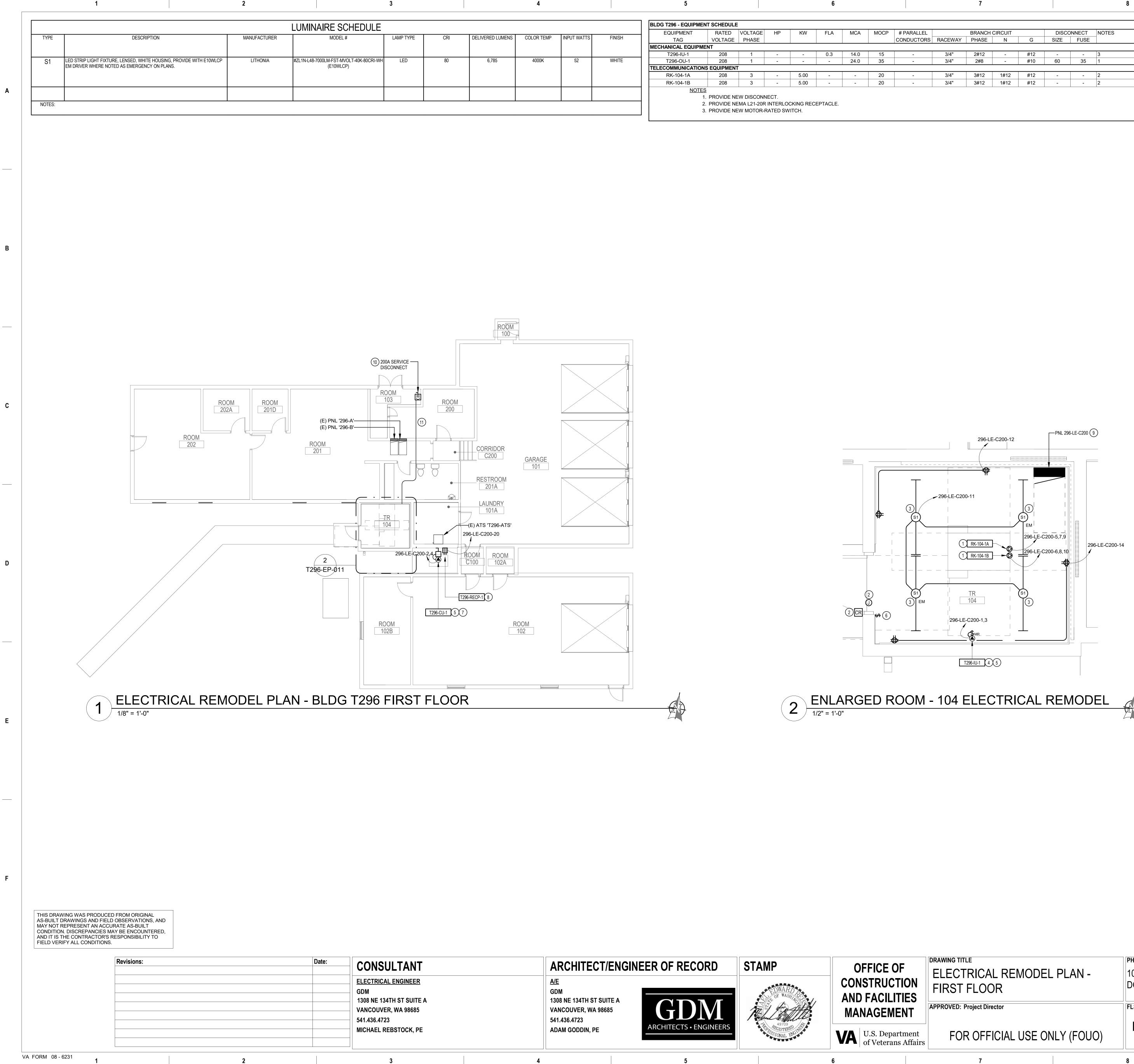
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SHALL DELIVER SALVAGED MATERIALS SHALL DISPOSE OF, OFF SITE, ALL UNW 4. DASHED OR DOTTED LINES INDICATE IT REMAIN. 5. COORDINATE WITH THE OTHER DISCIPL PROVIDE MINOR RELOCATION OF LIGHT TELECOM EQUIPMENT LOCATIONS. 6. FOR WALL/CEILINGS SCHEDULED TO BE ETC. BACK TO THE EXTENT PRACTICAL FIXTURES, DEVICES, CONDUIT, AND WIRI REQUIRED TO ACCOMMODATE RELOCAT 7. FOR THE RENOVATED TELECOMMUNICA SHALL DISCONNECT AND TEMPORARILY ALLOW FOR PLYWOOD INSTALLATION. F BOX EXTENSIONS, CIRCUIT EXTENSIONS 8. COORDINATE WITH THE OTHER DISCIPL 9. LIGHTING AND RECEPTACLES SHALL RE OTHERWISE NOTED <u>KEYNOTES</u>

9		10
	ATE ALL OUTAGES WITH THE COR PI	RIOR TO BEGINNING WORK. GREAT CARE XTENT POSSIBLE. NO DEMOLITION SHALL
OCCUR ON THE UPS SYSTEM, L CRITICAL SYSTEM UNTIL THE N 2. THE INFORMATION SHOWN ON	IFE SAFETY SYSTEM, TELECOMMUN EW/REPLACEMENT SYSTEMS ARE IN THIS DRAWING IS TAKEN FROM REC	ICATIONS SYSTEM, OR ANY OTHER I PLACE AND READY FOR SWITCHOVER. ORD DRAWINGS AND/OR A
ACCURACY OF THE INFORMATIC SCHEDULED FOR DEMOLITION F	ON SHOWN HERE-IN. THE CONTRACT PRIOR TO START OF WORK.	O WARRANTY OR GUARANTEE AS TO THE FOR SHALL FIELD VERIFY ALL ITEMS
SHALL DELIVER SALVAGED MAT SHALL DISPOSE OF, OFF SITE, A DASHED OR DOTTED LINES IND	TERIALS TO A WAREHOUSE AS DIREC ALL UNWANTED MATERIALS.	CTED BY THE COR. THE CONTRACTOR D LINES INDICATE EXISTING ITEMS TO
		OF DEMOLITION AND NEW WORK. D ACCOMMODATE NEW MECHANICAL AND
FOR WALL/CEILINGS SCHEDULE ETC. BACK TO THE EXTENT PRA FIXTURES, DEVICES, CONDUIT,	ED TO BE DEMOLISHED, DEMOLISH A ACTICAL TO ACCOMMODATE DEMOLI AND WIRE AS REQUIRED. PROVIDE	LL CONDUIT, WIRE, DEVICES, BOXES, TION. RELOCATE EXISTING LIGHT EXTENSION OF CONDUIT AND WIRE AS
SHALL DISCONNECT AND TEMP	MMUNICATIONS ROOMS WITH NEW P ORARILY REMOVE ALL ELECTRICAL I	AINTED PLYWOOD WALLS, CONTRACTOR DEVICES, BOXES, CONDUIT, AND WIRE TO CK IN SAME LOCATIONS AND PROVIDE
BOX EXTENSIONS, CIRCUIT EXT COORDINATE WITH THE OTHER LIGHTING AND RECEPTACLES S	TENSIONS, ETC. AS REQUIRED TO AC DISCIPLINE DRAWINGS FOR AREAS SHALL REMAIN IN EXISTING TELECOM	COMMODATE RENOVATION OF DEMOLITION AND NEW WORK.
OTHERWISE NOTED		
	OCATED TO FACILITATE TR ADDITIO	N. CONTRACTOR TO FIELD VERIFY CATION PRIOR TO COMMENCEMENT OF
		NNECT A 50KW PORTABLE GENERATOR TH VA PRIOR TO DEMOLITION FOR
SCHEDULED OUTAGES.		
		-
		-
		-
		_
PROJEC	T KEY PLAN	
273		
VA MEDI	CAL CENTER	
	MEADE, SD	NORTH
		PROJECT NUMBER 568-21-701
EHRM INFRASTF UPGRADES	NUGIURE	BUILDING NUMBER
		T296 DRAWING NUMBER
,	SOUTH DAKOTA checked by drawn by	T296-ED-011
11/05/2024	MER AJW	



3				4			5					6					7					
ULE							BLDG T296 - EQUIPME		E													
			EQUIPMENT RATED VOLTAGE HP KW		KW	FLA	FLA MCA MOCF	MOCP	# PARALLEL	BRANCH CIRCUIT			DISCONNECT NOTES		NOTES							
L	AMP TYPE	CRI	DELIVERED LUMENS	COLOR TEMP	INPUT WATTS	FINISH	TAG	VOLTAGE	PHASE						CONDUCTORS	RACEWAY	PHASE	N	G	SIZE	FUSE	
							MECHANICAL EQUIPM	ENT														
							T296-IU-1	208	1	-	-	0.3	14.0	15	-	3/4"	2#12	-	#12	-	-	3
RI-WH	LED	80	6,785	4000K	52	WHITE	T296-OU-1	208	1	-	-	-	24.0	35	-	3/4"	2#8	-	#10	60	35	1
							TELECOMMUNICATION	NS EQUIPMEN	т			1	1	1								
							RK-104-1A	208	3	-	5.00	-	-	20	-	3/4"	3#12	1#12	#12	-	-	2
							RK-104-1B	208	3	-	5.00	-	-	20	-	3/4"	3#12	1#12	#12	-	-	2
								<u>S</u> 1. PROVIDE N 2. PROVIDE N 3. PROVIDE N	EMA L21-20R	INTERLO		EPTACLE.										

FOR OFFICIAL USE ONLY	(FOUO)

FLS FULLY SPRINKLERED

PHASE DOCUMENTS

100% CONSTRUCTION

UPGRADES LOCATION FORT MEADE, SOUTH DAKOTA **ISSUE DATE** MER 11/05/2024

PROJECT TITLE



PROJECT KEY PLAN

<u>KEYNOTES</u>

FEEDER REQUIREMENTS.

REQUIREMENTS.

INSTALLATION.

- MOUNTED DIRECTLY ON CABLE TRAY.
- SHEET FOR ADDITIONAL INFORMATION AMD REQUIREMENTS.

- OPERATION.

- APPURTENANCES REQUIRED FOR COMPLETE OPERATION.

- PROTECTION.
- 9 CONTRACTOR TO PROVIDE NEW 208Y/120V, 100A, PANELBOARD. CONTRACTOR TO PROVIDE CONDUIT,
- FOR MORE INFORMATION.

- 296-EJ-001 FOR MORE INFORMATION.

GENERAL NOTES

1. COORDINATE EXACT LOCATION OF MECHANICAL AND TELECOMMUNICATIONS EQUIPMENT WITH THE CORRESPONDING DISCIPLINE'S DRAWINGS.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMOPORARILY MOVING AND RETURNING FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAYS WORK. THE VA WILL REMOVE OR SECURE PHI,, PPI, AND PERSONALY PROPERTY. COORDINATE THIS WORK WITH THE COR. 3. REFER TO ASSOCIATED TN SHEETS FOR RACK QUANTITES IN EXISTING AND NEW TR SPACES. 4. REFER TO ELECTRICAL FEEDER SCHEDULES ON SHEET 000-EG-001 FOR CONDUIT AND CONDUCTOR

5. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION AND 6. CONDUIT ROUTING SHOWN IS SCHEMATIC BY DESIGN. CONTRACTOR SHALL VERIFY FEASIBILITY PRIOR TO

1 CONTRACTOR TO PROVIDE NEW L21-20R RECEPTACLE FOR NEW RACK POWER. RECEPTACLE TO BE 2 CONTRACTOR TO PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. 3 CONTRACTOR TO PROVIDE NEW LIGHT FIXTURE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON THIS

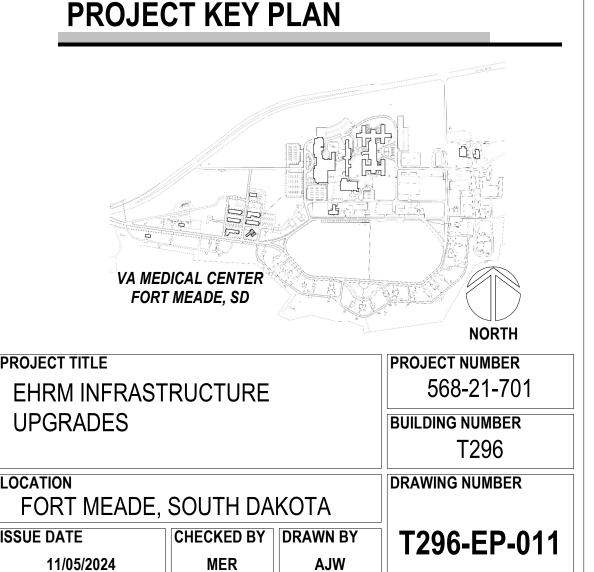
4 INDOOR MECHANICAL UNIT FED BY OUTDOOR MECHANICAL UNIT. PROVIDE NEW MOTOR-RATED SWITCH AND ALL CONDUIT AND CONDUCTORS FROM CONTROLS TO INDOOR UNIT AS REQUIRED FOR COMPLETE

5 CONTRACTOR TO PROVIDE NEW DISCONNECT WITH NEW FUSES FOR NEW MECHANICAL EQUIPMENT. SEE ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. 6 CONTRACTOR TO PROVIDE NEW LIGHT SWITCH. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY 7 CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS FOR NEW OUTDOOR MECHANICAL UNIT. SEE

ELECTRICAL MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. 8 CONTRACTOR TO PROVIDE WET-RATED CONVENIANCE RECEPTACLE. PROVIDE CONDUIT, CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION AND WEATHER

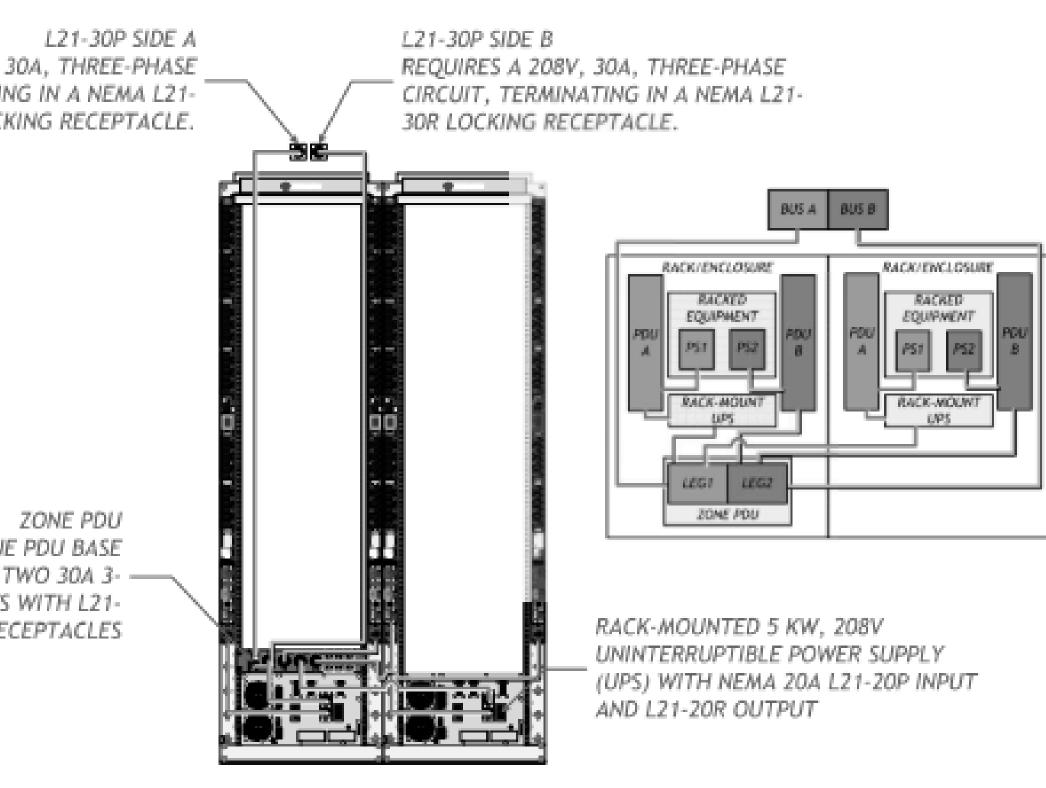
CONDUCTORS, AND ALL NECESSARY APPURTENANCES REQUIRED FOR COMPLETE OPERATION. REFER TO FEEDER SCHEDULE ON 000-EG-001 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. 10 CONTRACTOR TO PROVIDE NEW 200A/3P, 100% RATED ENCLOSED CIRCUIT BREAKER FOR THE NEW SERVICE DISCONNECT. DISCONNECT TEMPORARY POWER AND RECONNECT EXISTING FEEDERS SERVING ATS. COORDINATE SHUTDOWN WITH VA PRIOR TO CONSTRUCTION. SEE ONE-LINE ON SHEET 296-EJ-001

11 PROVIDE 200A FEEDER FROM NEW SERVICE DISCONNECT TO PANEL 296-LE-C200. SEE ONE-LINE ON SHEET





	1		2		3
Α				R CIR	EQUIRES A 208V, 30 CUIT, TERMINATINO 30R LOCKI
В					30A 3-PHASE ZONE UNIT - REQUIRES TV E (WYE) CIRCUITS V 30R REC
C			3	NOT TO S	CAL POWER
D				SECUR	VIEW RED SIDE ED SIDE
E				ACCESS CO PATHWAY ACCESSIBL CONDUIT II CEILINGS. ADDITIONA INSTALL 1-4 READER FL MOUNT CA UNSECURE ON PLANS. AND PATCH CONTINUE JUNCTION	DNTROL PANEL. CABLE SHALL BE J-HOOKS THROUGH E CEILING AREAS AND IN AREAS WITH INACCESSIBLE SEE SPECIFICATIONS FOR L ROUTING REQUIREMENTS CANG CUT-IN BOX FOR CARD USH MOUNT ROUGH-IN. RD READER ON WALL ON D SIDE OF DOOR, AS SHOWN MOUNT FLUSH IN WALL. CUT I WALL AS REQUIRED. UP TO READER CONTROLLER BOX ABOVE DOOR. WHERE SCHEDULE, PROVIDE MULLION
F			1		ATION VIEW
		Revisions:		Date:	CONSULTANT ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE

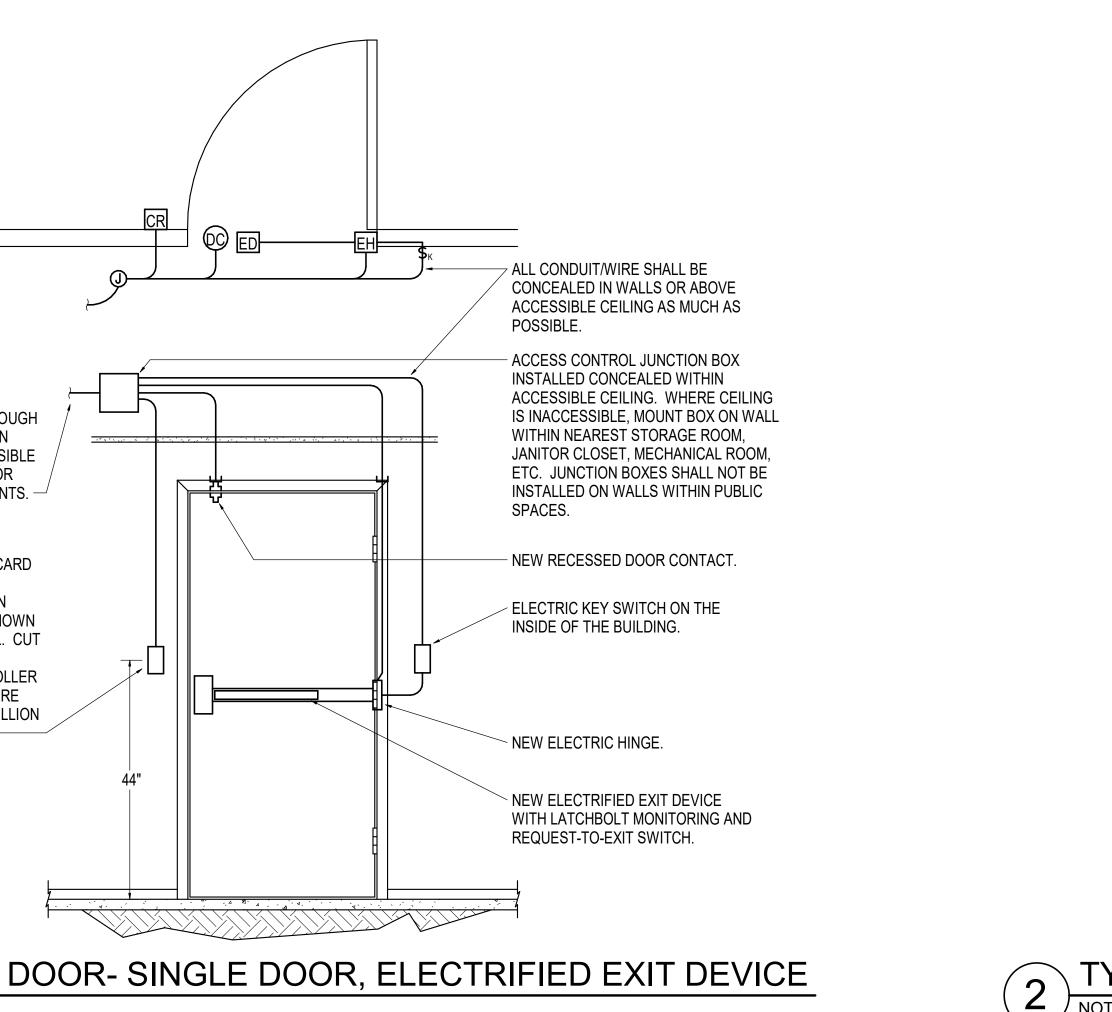


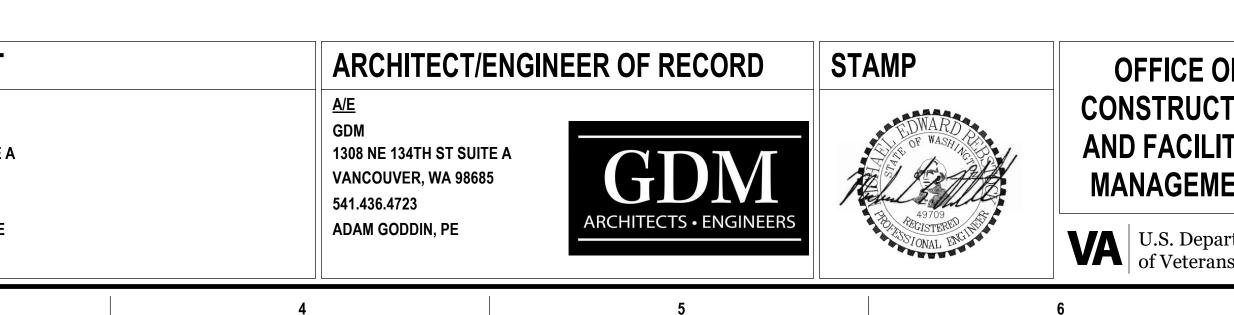
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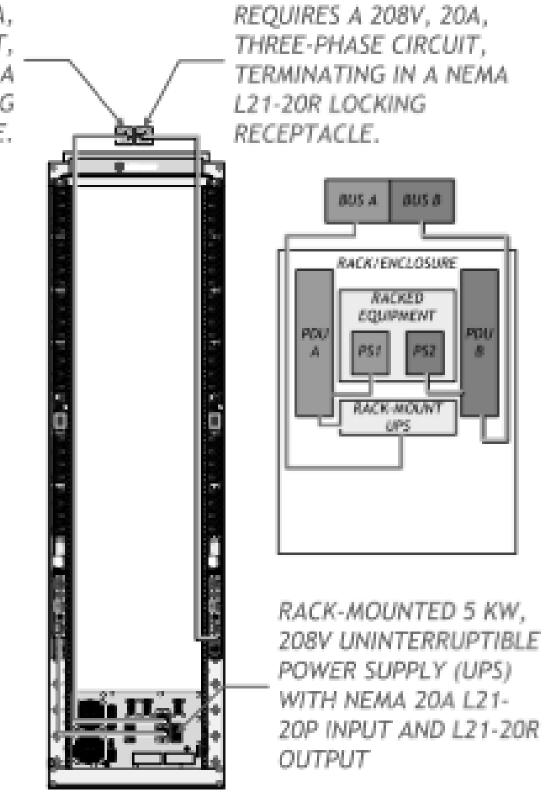
R ELEVATION AND SCHEMATIC FOR A TWO RACK TR





OF CTION LITIES	DRAWING TITLE POWER AND ELEVATION SCHEMATIC FOR TR RACK	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAST UPGRADES	RUCT		
	APPROVED: Project Director	FLS	FORT MEADE, SOU			
oartment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECK		
	7	8	9			

2 TYPICAL POWER ELEVATION AND SCHEMATIC FOR A ONE RACK TR NOT TO SCALE

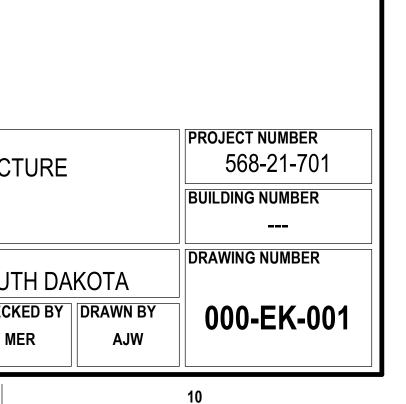


L21-20P SIDE B

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L21-20P SIDE A REQUIRES A 208V, 20A, THREE-PHASE CIRCUIT, TERMINATING IN A NEMA L21-20R LOCKING RECEPTACLE.



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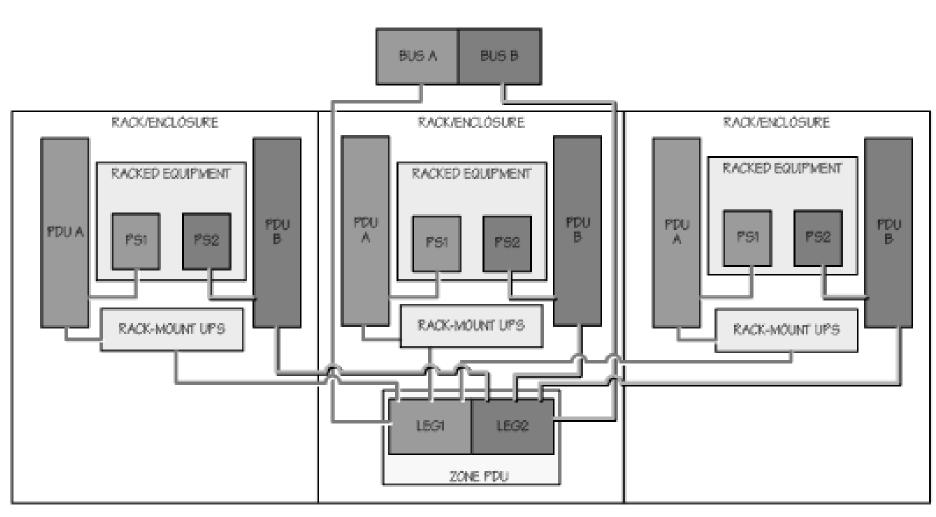
1 2 3 Α _____ SIDE B SIDE A . REQUIRES A 208 V, 60 A, THREE-PHASE CIRCUIT, TERMINATING IN -С A HARD-WIRED JUNCTION BOX A HARD-WIRED JUNCTION BOX ZONE PDU D 60 A 3-PHASE ZONE PDU BASE UNIT -REQUIRES TWO GO A 3-PHASE (WYE) CIRCUITS HARD-WIRED IN JUNCTION BOX; -OPTIONALLY, UPSS AND B-SIDE RPDUS MAY BE POWERED DIRECTLY WITH L21-20 OUTLETS TYPICAL POWER ELEVATION AND SCHEMATIC FOR A THREE RACK TR 12" = 1'-0" Е Date: Revisions: CONSULTANT ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE VA FORM 08 - 6231 1 2 3

----- Requires a 208 V, 60 A, Three-Phase Circuit, terminating in

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RACK-MOUNTED 5 KW, 208 V

UNINTERRUPTIBLE POWER SUPPLY (UPS) WITH NEMA 20A L21-20P INPUT AND L21-20R OUTPUT

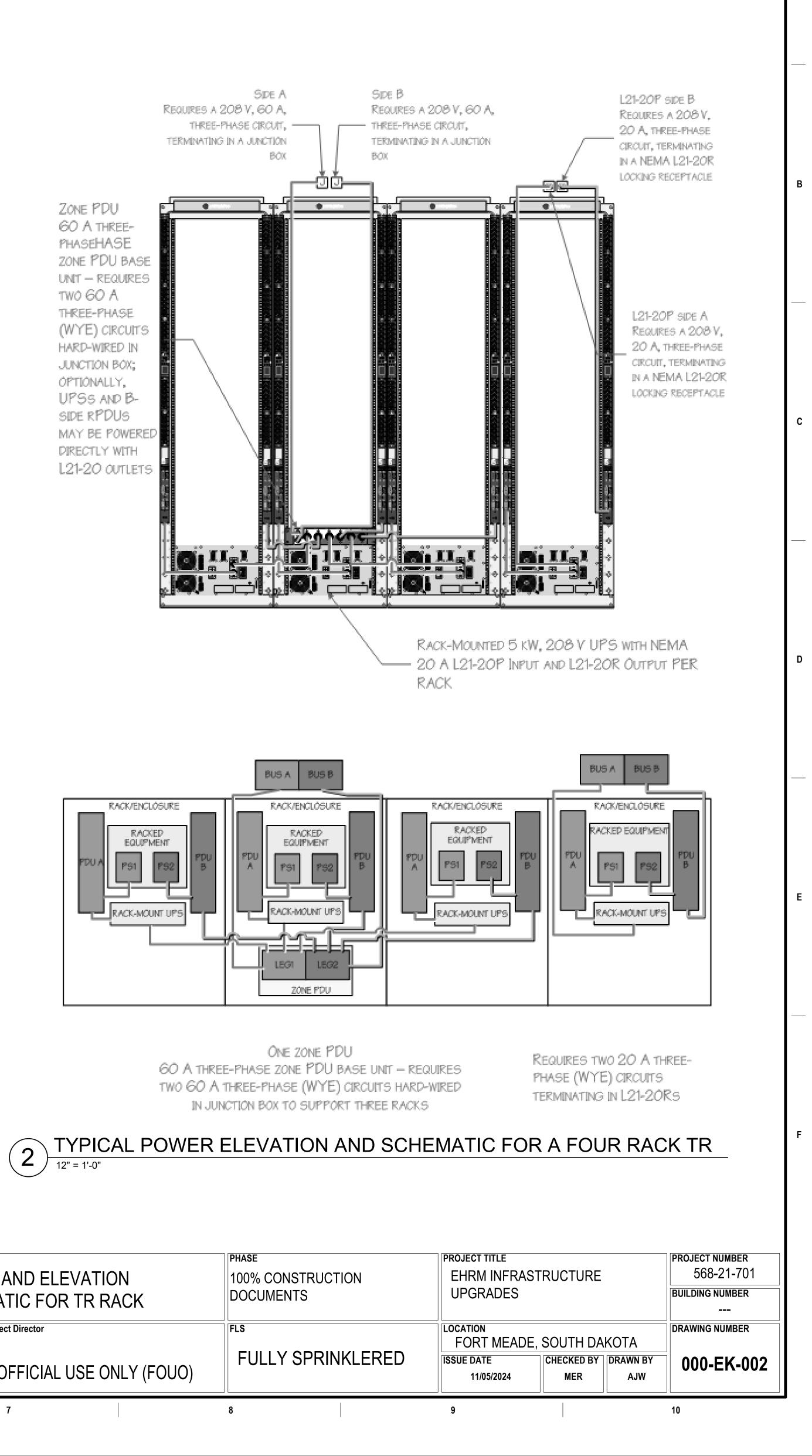
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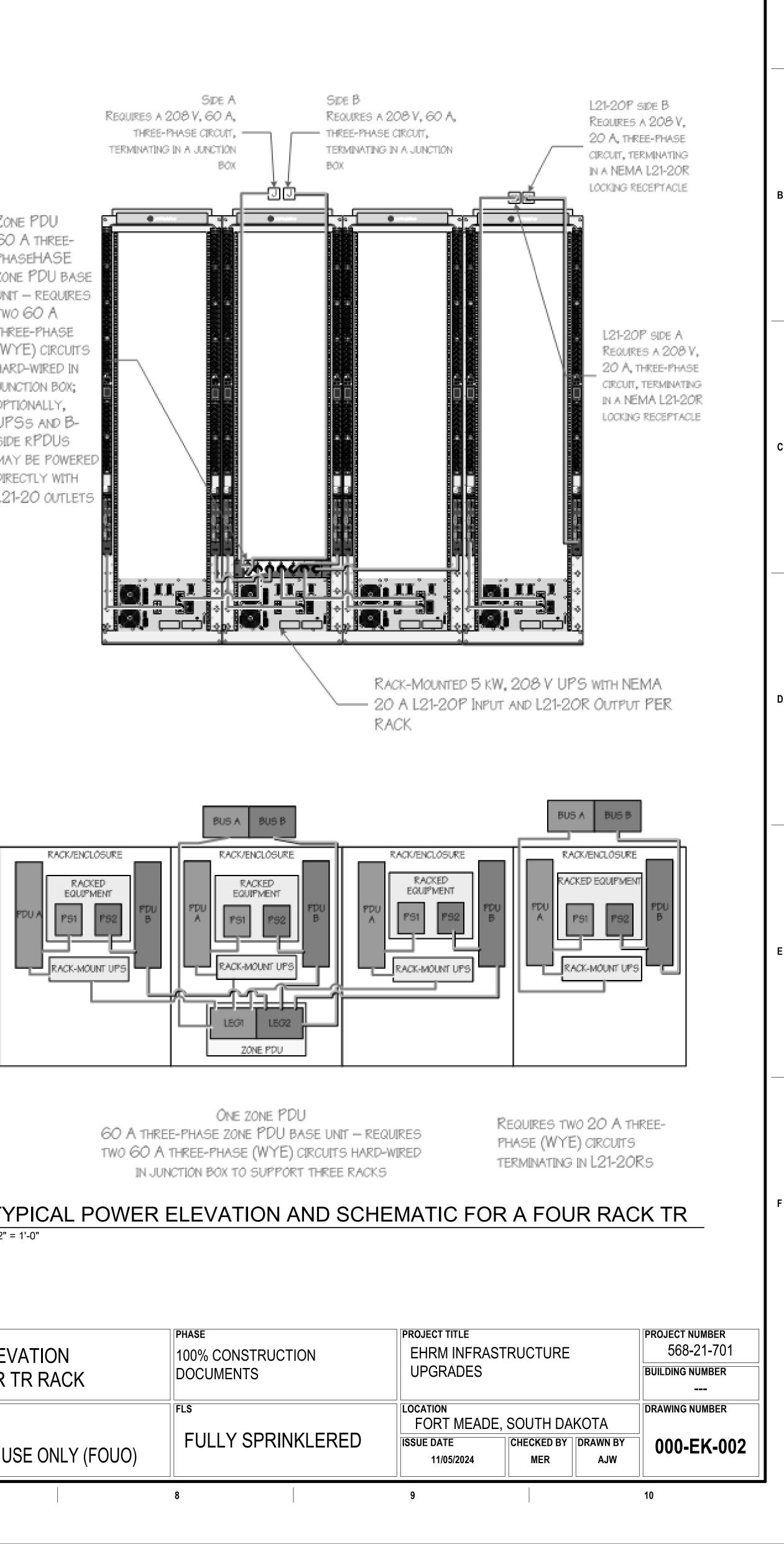
ARCHITECT/ENGIN	IEER OF RECORD	STAMP	OFFICE OF
A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723	GDM	DWARD OF WASHING	CONSTRUCT AND FACILIT MANAGEME
ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	BECISTERED HUS	VA U.S. Depart of Veterans

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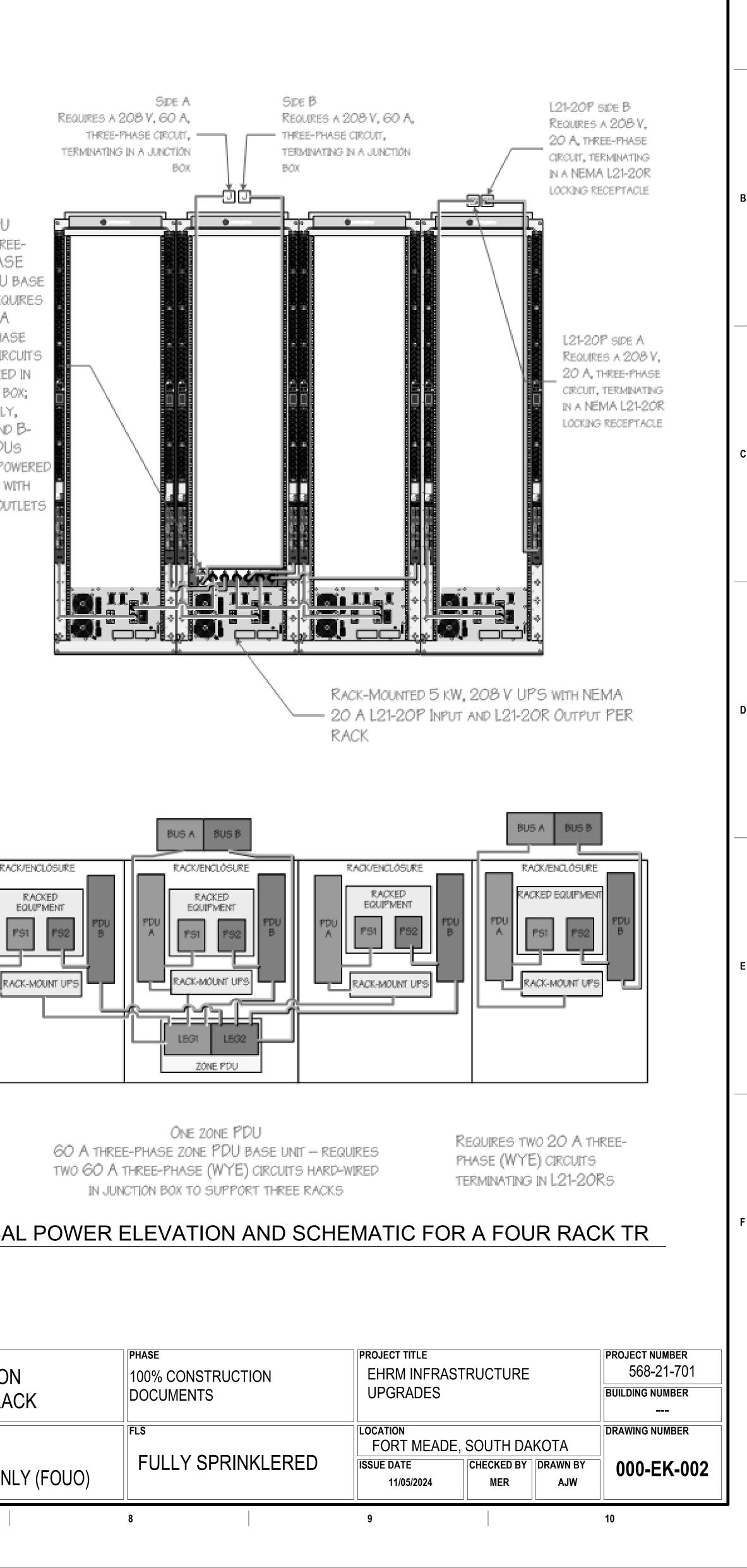
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)F TION TIES	DRAWING TITLE POWER AND ELEVATION SCHEMATIC FOR TR RACK	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES
ENT rtment as Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	LOCATION FORT MEADE, SOUTI ISSUE DATE 11/05/2024 ME
	7	8	9





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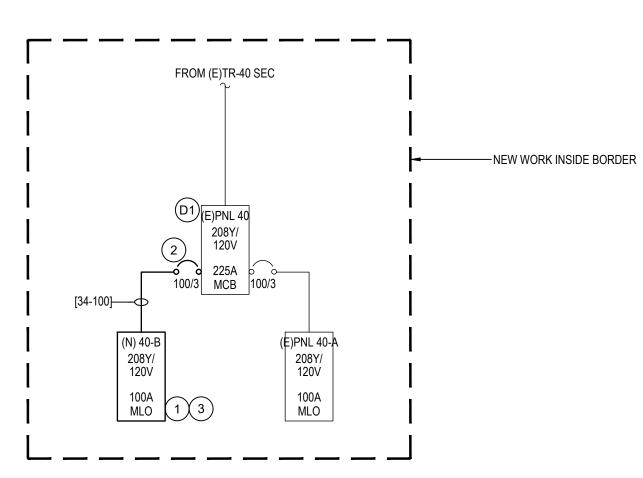
					GDM 1308 NE 134T VANCOUVER 541.436.4723	, WA 9868	
	Revisions:		Date:				
F	THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.			Γ			
F							
E		CALCULATED LOAD NOTES: <u>NEW WORK IN B</u> <u>1. PROVIDE NEW</u> <u>2. EXISTING LOA</u>	BREAKER.	SIZE AS INI	DICATED ON TH	1.25 IS SCHEDUI	 _E. M
		LOAD TYPE APPL PANEL (E)PNL 40 (N) 40-B CONNECTED LOAD (C)	2.88 2.88	HEAT	КІТСН	LTS 1.00 1.00	
		 37 LIGHTS & OUTLETS (2) 39 LIGHTS & OUTLETS (2) 41 VACUUM CLEANER (2) PHASE LOAD PHASE 	A=_#VALUE!	R R D KVA	- - - PHASE B=	20/1 20/1 20/1 #VALUE!	A I !
		27 LIGHTS & OUTLETS (2) 29 OFFICE (2) 31 LIGHTS & OUTLETS (2) 33 LIGHTS & OUTLETS (2) 35 LIGHTS & OUTLETS (2)		R R R R R	- - - -	20/1 20/1 20/1 20/1 20/1 20/1	A
D		19 OUTLETS (2) 21 OUTLETS (2) 23 LIGHTS & OUTLETS (2) 25 LIGHTS & OUTLETS (2)		R R R R	- - - -	20/1 20/1 20/1 20/1	A
		11 - 13 LIGHTS & OUTLETS (2) 15 LIGHTS & OUTLETS (2) 17 LIGHTS & OUTLETS (2)		- R R R	- - - -	- 20/1 20/1 20/1	A
		1 SOD-1 LED T AINLE 40-A(3 - - 5 - - 7 SUB-FEED PAINT (2) - 9 - -	·	- - D -	- - - -	- - - 30/3 -	A I A
		LOCATION: 100 SERVING: BLDG 40 CKT LOAD 1 SUB-FEED PANEL 40-A(PLIED BY	: TR-40 KVA	A/P 100/3	Е) Рн
С		208/120 VOLT	3PHASE		WIRE		
В							
	(D1) DEMOLISH EXISTING 40A/2P BREAKER AND EXISTING 20A/1P BREAKERS IN EXISTING SPACE 14,16,18 TO ALLOW FOR INSTALLATION OF NEW SUB-FEED BREAKER TO FEED NEW PANEL. FEEDERS TO REMAIN TO BE RE-CIRCUITED TO NEW PANEL.SEE PANEL SCHEDULE ON SHEET 040-EJ-002 FOR ADDITIONAL INFORMATION.						
A	2. COORDINATE ANY INTERRUPTIONS OF SERVICE FOR EXISTING EQUIPMENT WITH COR PRIOR TO DEMOLITION OR CONSTRUCTION. DEMOLITION KEYNOTES						
	GENERAL DEMOLITION NOTES 1. VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.						

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MICHAEL REBSTOCK, PE





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PAN	IEL	225 AM	BUS RAT	ING	200 AMP MAIN I	BREAKEI	R	
)PN	IL 40	SCCR	SCCR: EXISTING AFC:					
· /		FEED	: TOP	Μ	OUNTING: SURF	ACE		
PHASE	A/P	KVA	TYPE		LOAD		скт	
Α	20/1	-	-	LIGHTS & (OUTLETS (2)		2	
В	20/1	-	-	LIGHTS & (OUTLETS (2)		4	
С	20/1	-	-	LIGHTS & (OUTLETS (2)		6	
Α	30/3	-	-	EXISTING	LOAD(2)		8	
В	-	-	-	-			10	
С	-	-	-	-			12	
Α	100/3	16.790	Р	(N) PANEL	'40-B' (1)		14	
В	-	-	-	-			16	
С	-	-	-	-			18	
Α	20/1	-	-	HEAT (2)			20	
В	20/1	-	-	LIGHTS & (OUTLETS (2)		22	
С	20/1	-	-	LIGHTS & (OUTLETS (2)		24	
Α	20/1	-	-	LIGHTS (2)			26	
В	20/1	-	-	LIGHTS & (OUTLETS (2)		28	
С	20/1	-	-	LIGHTS & 0	OUTLETS (2)		30	
Α	20/1		S	FIRE ALAR	RM (2)		32	
В	20/1	-	S	LIGHTS & (OUTLETS (2)		34	
С	20/1	_	S	LIGHTS & (OUTLETS (2)		36	
Α	20/1	-	S	LIGHTS & (OUTLETS (2)		38	
В	20/1	_	S	LIGHTS & (OUTLETS (2)		40	
С	20/1	-	S	LIGHTS & (OUTLETS (2)		42	
VA	PHASE C=	#VALUE!	_KVA					
	MTR	RCPT	WTR HTR	LRG MTR	TOTAL LO	DADS		
					KVA		AMP	
	10.82	0.18		6.66	14.88 KVA	41.29		
	10.82	0.18		6.66	14.88 KVA	41.29		
	10.82	0.18		1.66	16.79 KVA	46.60		
MATO								
. MATCH	HEXISTING TYP	E AND MANU	FACIURER					

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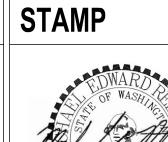
2	208/120 VOLT	3	PHASE	4	WIRE		PAN	NEL	100 AM	P BUS RAT	ING	100 AMP MAIN	BREAKE	ΞR
_oc	ATION: 100		SUP	PLIED BY	: 40-A		(N)4	10-B	SCCR: EXISTING AFC:					
SE	RVING: BLDG 4	0					(••)¬		FEED	D: TOP	МО	UNTING: SURF	ACE	
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	ТҮРЕ		LOAD		ск
1	RK-100A-1A (2)			D	1.440	30/1	Α	20/1	1.000	L	LIGHTS & OU	JTLETS (1)		2
3	RK-100A-1B (2)			D	1.440	30/1	В	40/2	6.656	М	ELECTRIC HEATER (1)			4
5	40-CU-1 (2)			м	4.160	25/2	С	-	-	-	-			6
7	-			-	-	-	Α	-	-	S	SPACE			8
9	40-RECP-1 (2)			R	0.180	20/1	В	-	-	S	SPACE			10
11	SPACE			S	-	-	С	-	-	S	SPACE			12
13	SPACE			S	-	-	Α	-	-	S	SPACE			14
15	SPACE			S	-	-	В	-	-	S	SPACE			10
17	SPACE			S	-	-	С	-	-	S	SPACE			1
19	SPACE			S	-	-	Α	-	-	S	SPACE			2
21	SPACE			S	-	-	В	-	-	S	SPACE			2
23	SPACE			S	-	-	С	-	-	S	SPACE			2
25	SPACE			S	-	-	Α	-	-	S	SPACE			2
27	SPACE			S	-	-	В	-	-	S	SPACE			2
29	SPACE			S	-	-	C	-	-	S	SPACE			3
P	PHASE LOAD	PHASE A=	4.52	_KVA	PHASE B=	4.95	_KVA	PHASE C=	5.41	_KVA	1			
	LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LO	DADS	
CON	NECTED LOAD		2.88			1.00		10.82	0.18		6.66	14.88 KVA	41.29	٨N
CAL	CULATED LOAD		2.88			1.25		10.82	0.18		1.66	16.79 KVA	46.60	AN
	NOTES: NEW WO	RK IN BOL	.D											_
	<u>1. PROVI</u>	DE NEW BI	REAKER T	O FEED EX	KISTING RELOCA	TED LOAD	FROM (E) PNL '40'. SIZE A	S INDICATED	ON THIS S	CHEDULE.			_
					DICATED ON TH		•							

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ARCHITECT/ENGINEER OF RECORD







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GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

A/E

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OF CTION LITIES	DRAWING TITLE BUILDING 40 ELECTRICAL ON PANEL SCHEDULES	IE-LINE &	PHASE 100% CONSTRUC DOCUMENTS	TION	PROJECT TITLE EHRM INFRASTE UPGRADES	RUCT
	APPROVED: Project Director		FLS		LOCATION FORT MEADE, S	SOUT
partment ans Affairs	FOR OFFICIAL USE ONL	_Y (FOUO)	FULLY SPRI	NKLERED	ISSUE DATE 11/05/2024	CHECK
	7		8		9	

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1. COORDINATE ANY INTERRUPTIONS OF SERVICE FOR EXISTING EQUIPMENT WITH COR PRIOR TO DEMOLITION OR CONSTRUCTION. REFER TO ELECTRICAL FEEDER SCHEDULE ON SHEET 000-EG-001 FOR ADDITIONAL INFORMATION AND FEEDER REQUIREMENTS.

KEYNOTES

1 CONTRACTOR TO PROVIDE NEW 208V, 100A, 3-PHASE PANEL. REFER TO ASSOCIATED 'EP' SHEET FOR LOCATION OF NEW PANEL. 2 CONTRACTOR TO PROVIDE NEW 100A/3P SUB-FEED BREAKER IN EXISTING SPACE TO FEED NEW PANEL. MATCH EXISTING TYPE AND MANUFACTURER.

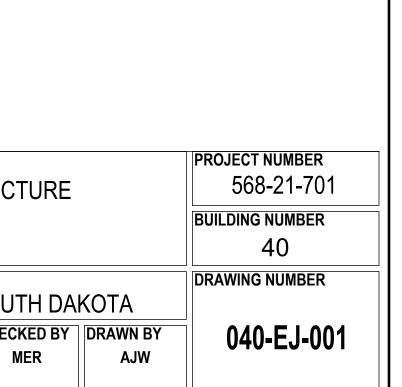
3 CONTRACTOR TO PROVIDE NEW 20A/1P CIRCUIT BREAKERS IN AVAILABLE SPACE IN NEW PANEL TO FEED EXISTING EQUIPMENT. REROUTE CONDUIT AND CONDUCTORS FROM EXISTING EQUIPMENT TO NEW PANEL.

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GENERAL NOTES



THIS DRAWING WAS PRODUCED FROM ORIGINAL
AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND
MAY NOT REPRESENT AN ACCURATE AS-BUILT
CONDITION. DISCREPANCIES MAY BE ENCOUNTERED,
AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO
FIELD VERIFY ALL CONDITIONS.

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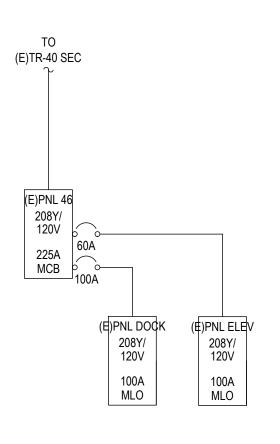
AND

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Revisions:	Date:	
		ELECTRICAL ENGINEER
		GDM
		1308 NE 134TH ST SUITE A
		VANCOUVER, WA 98685
		MICHAEL REBSTOCK, PE

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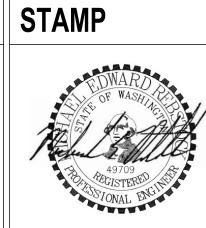
BLDG 46 ELECTRICAL ONE-LINE SCALE: NTS

2	208/120 VOLT	3	PHASE	4	WIRE		PAI	NEL	100 AMF	BUS RAT	ING	100 AMP MAIN E	REAKER
LOC	ATION: DOCK		SUP	PLIED BY	PNL 46		(F)D	OCK	SCCR	EXISTING	3	AFC:	
SEI	RVING: DOCK &	& TE							FEED	TOP	МС	DUNTING: SURFA	CE
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	ск
1	DOCK LIGHTING	()		L	-	20/1	Α	20/1	-	D	DOCK EXH	AUST (2)	2
3	роск оитроо	R LIGHTIN	G (2)	L	-	20/1	В	20/1	-	D	CO-RAY-VA	C (2)	4
5	DOCK SWING L	IGHTS (2)		L	-	20/1	C	20/1	-	М	AC RM 101E	3 (2)	6
7	DOCK RECEPTS	S (2)		R	-	20/1	Α	20/1	-	М	AC RM 1010	C (2)	8
9	SPARE (2)			S	-	20/1	В	20/1	-	R	RECP RM 1	01B (2)	10
11	SPARE (2)			S	-	20/1	C	20/1	-	R	RECP RM 1	01C (2)	12
13	AC (2)			м	-	40/2	Α	20/1	1.440	D	RK-B105-1A	(1)	14
15	-			-	-	-	В	20/1	1.440	D	RK-B105-1E	3 (1)	16
17	46-CU-1 (1)			м	4.160	25/2	c	20/1	0.180	R	46-RECP-1	(1)	18
19	-			-	-	-	A	20/1	0.500	м	DRAIN PUM	IP (1)	20
21	SPACE			S	-	-	В	-	-	S	SPACE		22
23	SPACE			S	-	-	C	-	-	S	SPACE		24
25	DOCK LEVELEF	R NORTH (2)	D	-	20/3	Α	20/3	-	D	DOCK LEVE	ELER SOUTH (2)	26
27	-			-	-	-	В	-	-	-	-		28
29	-			-	-	-	C	-	-	-	-		30
P	HASE LOAD	PHASE A=	#VALUE!	IKVA	PHASE B=	#VALUE!	_KVA	PHASE C=	#VALUE!	_KVA			
	LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LO	ADS
CON	INECTED LOAD		2.88					4.66	0.18		4.16	7.72 KVA	21.43 AM
CAL	CULATED LOAD		2.88					4.66	0.18		1.04	8.76 KVA	24.32 AM
	NOTES: <u>NEW WO</u>	ORK IN BOL	D										
	1. PROV	IDE NEW B	REAKER. S	SIZE AS IND	DICATED ON TH	IS SCHEDUL	LE. MATC	H EXISTING TYP	E AND MANU	FACTURER			
	2. EXIST	ING LOAD											

1

ARCHITECT/ENGINEER OF RECORD







A/E GDM 1308 NE 134TH ST SUITE A

4

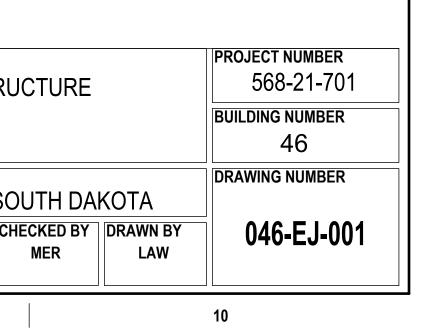
VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

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FFICE OF STRUCTION FACILITIES	DRAWING TITLE BUILDING 46 ELECTRICAL ONE-LINE & PANEL SCHEDULES	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAST UPGRADES	RUCT
NAGEMENT	APPROVED: Project Director	FLS	FORT MEADE,	SOUT
U.S. Department of Veterans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECK
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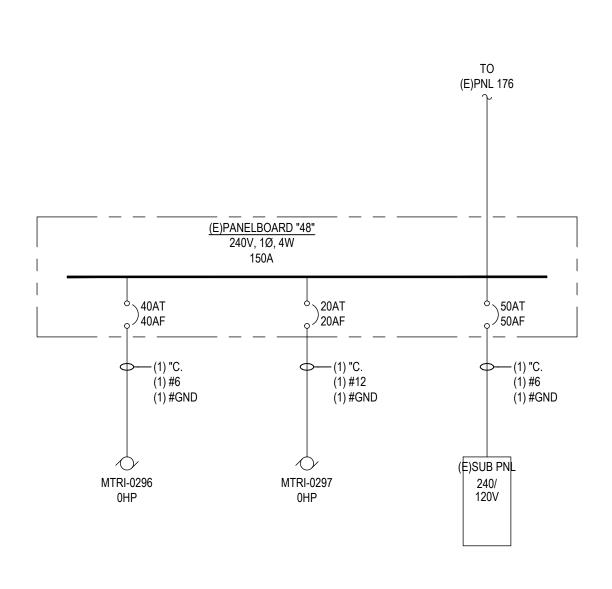
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evisions:	Date:	CONSULTANT
		ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE

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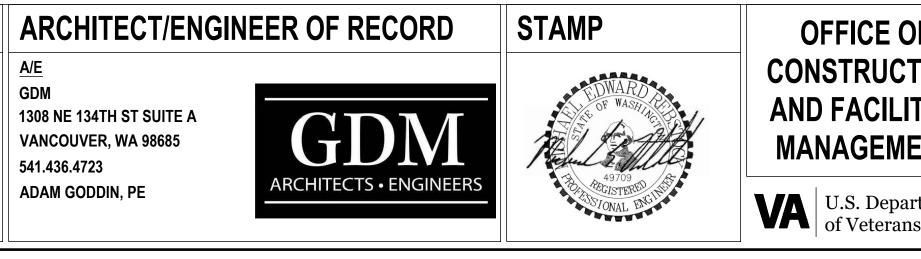
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BLDG 48 ELECTRICAL ONE-LINE SCALE: NTS

SERV 	TION: 102 /ING: BLDG 48 	3 .OAD	SUP	PLIED BY:					150 AMP MAIN LUGS ONLY				
<mark>скт</mark> 1 ^{В/} 3 -	L				PNL 176	(F)	PNL	48	SCCR	EXISTING	G AFC:		
1 B/ 3 -		OAD							FEED	: TOP	M	DUNTING: SURF	ACE
3 -	ASEMENT SUB			TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	СІ
		-PANEL (2)	1	Р	-	50/2	A	20/1	-	Р	FIRE ALARI	M (2)	
5 W				-	-	-	В	20/1	-	L	LIGHTS (2)		
	VAREHOUSE LT	S (2)		L	-	20/1	A	20/1	-	L	LIGHTS (2)		
7 0	OUTLETS (2)			R	-	20/1	В	20/1	-	L	LIGHTS (2)		
9 O	OUTLETS (2)			R	-	20/1	Α	20/1	-	L	LIGHTS (2)		1
11 0	OUTLETS (2)			R	-	20/1	В	20/1	-	L	LIGHTS (2)		1
13 O	OUTLETS (2)			R	-	20/1	Α	20/1	-	L	LIGHTS (2)		1
15 EL	LEVATOR (2)			м	-	20/1	В	20/1	-	L	LIGHTS (2)		1
17 W	V. OFFICE OUTL	ETS (2)		R	-	20/1	A	20/1	-	WH	WATER HEATER (2)		1
19 S.	. OFFICE OUTL	ETS (2)		R	-	20/1	В	20/1	-	L	LIGHTS (2)		2
21 N	IEW EXTERIOR	LIFT (2)		м	-	40/2	Α	20/1	-	L	LIGHTS (2)		2
23 -				-	-	-	В	20/1	-	м	AIRE COMPRESSOR (2)		2
25 EX	XISTING LOAD	(2)		D	-	20/1	Α	20/1	-	м	FURNACE (2)		2
27 EX	XISTING LOAD	(2)		D	-	20/1	В	20/1	-	м	FURNACE (2)		2
29 EX	XISTING LOAD	(2)		D	-	30/2	Α	20/2	-	D	EXISTING L	OAD (2)	3
31 -				-	-	-	В	-	-	-	-		3
33 RI	K-102F-1A (1)			D	1.440	30/1	Α	20/1	0.720	R	RM 100 RE0	CEPTACLES (1)	3
35 RI	K-102F-1B (1)			D	1.440	30/1	В	20/1	0.720	R	RM 100 RE0	CEPTACLES (1)	3
37 48	8-CU-1 (1)			м	4.800	25/2	Α	20/1	0.312	L	RM 100 LIG	HTS (1)	3
39 -				1 -	-	-	В	-	-	S	SPACE		4
41 48	8-RECP-1 (1)			R	0.180	20/1	Α	-	-	S	SPACE		4
			РН		PHASE A=	#VALUE		PHASE B:	= #VALUE!	KVA			
	DAD TYPE	APPL	DED	HEAT	КІТСН	LTS	 	MTR				TOTAL LO	פחאר
	ECTED LOAD		2.88		- Milon	0.31		4.80	1.62		4.80	9.61KVA	40.05 AN
	JLATED LOAD		2.88			0.39		4.80	1.62		1.20	10.89 KVA	45.38 AM
	DTES:NEW WO	RK IN BOI			I	0.00			1.02		1.20		
					ICATED ON							R	
	<u>2. EXISTI</u>					1110 001						١.	

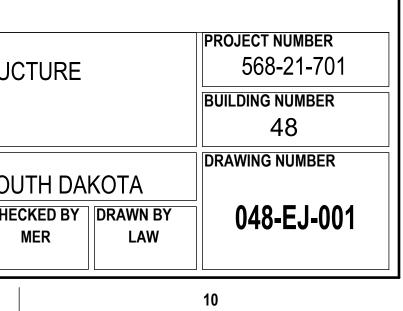


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CE OF RUCTION CILITIES	DRAWING TITLE BUILDING 48 ELECTRICAL ONE-LINE & PANEL SCHEDULES	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUC UPGRADES	CTU
SEMENT	APPROVED: Project Director	FLS	FORT MEADE, SOU	JTH
Department eterans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CKED MER
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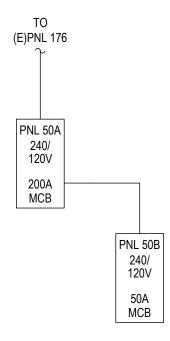
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evisions:	Date:	CONSULTANT
		ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE

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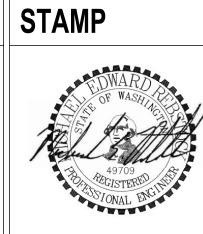
2	40/120 VOLT		1PHASE	3	WIRE		PANEL	-	200 AMF	BUS RAT	ING	200 AMP MAIN	BREAKE	R
LOC	ATION: 102		SUPI	PLIED BY:	PNL 176	/	E)50	Δ	SCCR		G	AFC:		
SE	RVING: BLDG 4	8					L)30	~	FEED	: TOF	мо	UNTING: SURF	ACE	
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD		скт
1	EXISTING LOAD	(2)		D	-	15/1	Α	20/1	-	D	EXISTING LC	DAD (2)		2
3	EXISTING LOAD	(2)		D	-	20/1	E	20/1	-	D	EXISTING LC	DAD (2)		4
5	EXISTING LOAD	(2)		D	-	20/1	Α	15/1	-	D	EXISTING LC	DAD (2)		6
7	EXISTING LOAD	(2)		D	-	20/1	B	20/1	-	D	EXISTING LC	DAD (2)		8
9	EXISTING LOAD	(2)		D	-	15/1	Α	20/1	-	D	EXISTING LC	DAD (2)		10
11	EXISTING LOAD	(2)		D	-	15/1	E	20/2	-	D	EXISTING LC	DAD (2)		12
13	EXISTING LOAD	(2)		D	-	15/1	Α	-	-	-	-			14
15	EXISTING LOAD	(2)		D	-	15/1	E	20/1	-	D	EXISTING LC	DAD (2)		16
17	EXISTING LOAD	(2)		D	-	30/2	Α	20/1	-	D	EXISTING LC	DAD (2)		18
19	-			-	-	-	E	20/1	-	D	EXISTING LC	DAD (2)		20
21	RK-201A-1A (1)			D	1.440	30/1	Α	20/1	0.360	R	TE RM 201A	RECEPTACLE (1)	22
23	RK-201A-1B (1)			D	1.440	30/1	E	-	-	-	SPACE			24
25	50-CU-1 (1)			м	4.800	25/2	Α	-	-	-	SPACE			26
27	-			-	-	-	E	50/2	-	Р	(E) PANEL '5	0-В'		28
29	50-RECP-1 (1)			-	-	20/1	Α	-	-	-	-			30
			PH	ASE LOAD	PHASE A=	#VALUE!	KVA	PHASE B	= #VALUE!	_KVA				
	OAD TYPE	APPL	DED	HEAT	кітсн	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LO	DADS	
CON	NECTED LOAD		2.88					4.80	0.36		4.80	8.04 KVA	33.50	AMP
CAL	CULATED LOAD		2.88					4.80	0.36		1.20	9.24 KVA	38.50	AMP
I	NOTES: NEW WO	RK IN BO	LD											
				IZE AS INC	ICATED ON	THIS SCH	IEDULE. N	ATCH EX	ISTING TYP		NUFACTURER	· ·		
		ING LOAD												

ARCHITECT/ENGINEER OF RECORD



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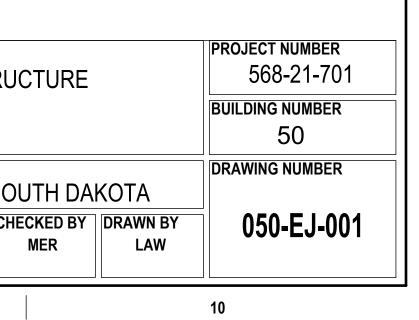




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ICE OF RUCTION ACILITIES	DRAWING TITLE BUILDING 50 ELECTRICAL ONE-L PANEL SCHEDULES	INE &	PHASE 100% CONSTRUCT DOCUMENTS	ION	PROJECT TITLE EHRM INFRASTI UPGRADES	RUCT		
	APPROVED: Project Director				LOCATION FORT MEADE, SOU			
S. Department Veterans Affairs	FOR OFFICIAL USE ONLY	(FOUO)	FULLY SPRIN	KLERED	ISSUE DATE 11/05/2024	CHECK Me		
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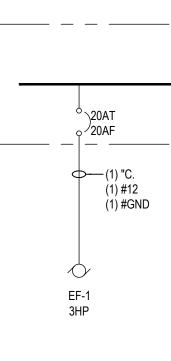
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\100AT /100AF _ _ _ (1) "C. (1) #1 (1) #GND (E)PNL P 208/ 120V

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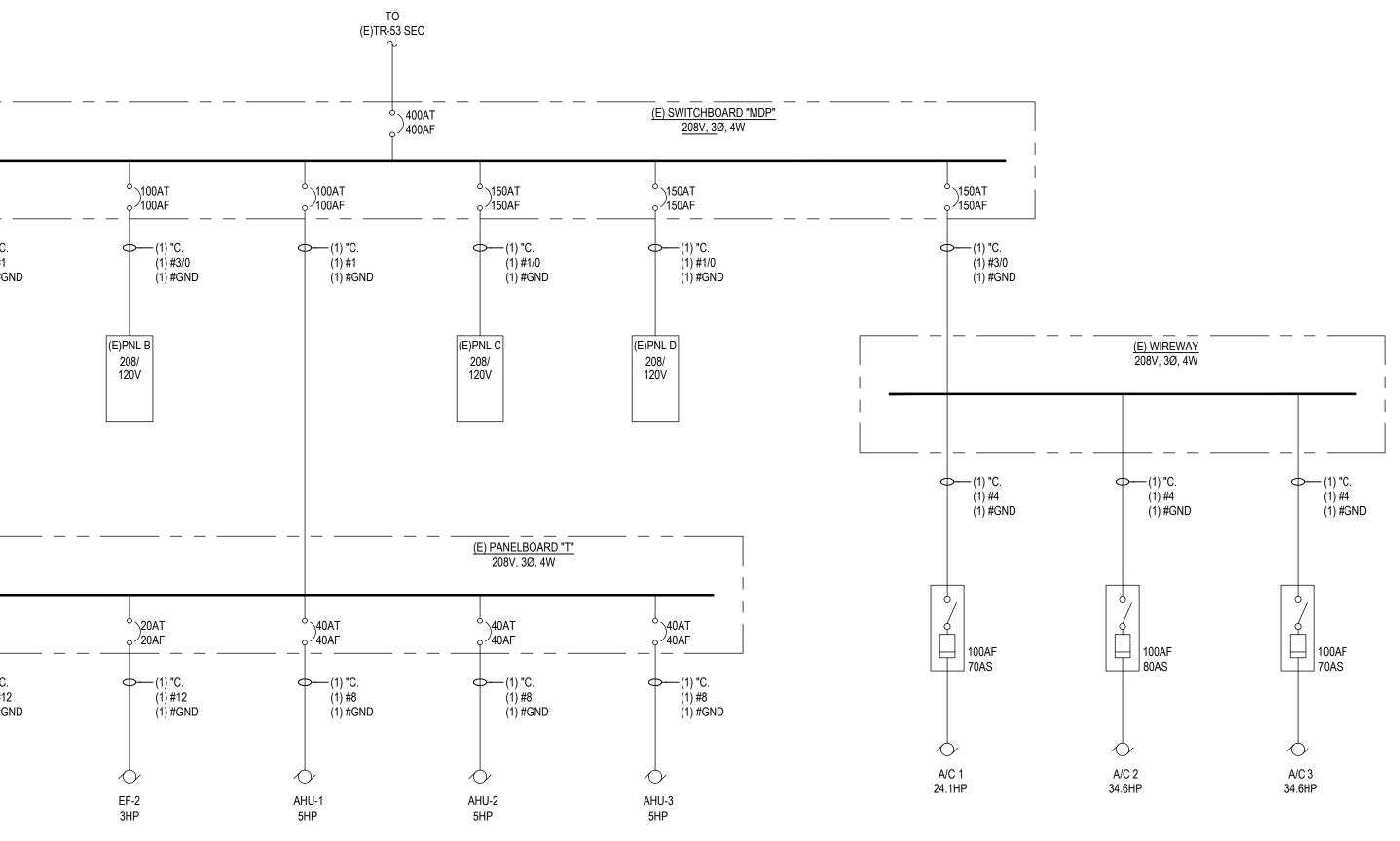
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Revisions:	Date:	CONSULTANT
		ELECTRICAL ENGINEER
		GDM
		1308 NE 134TH ST SUITE A
		VANCOUVER, WA 98685
		541.436.4723 MICHAEL REBSTOCK, PE

2

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5

BLDG 53 ELECTRICAL ONE-LINE SCALE: NTS

2	08/120 VOLT	3	PHASE	4	WIRE		PAN	IEL	150 AMP MAIN LUGS ONLY					
	TION: CB100		SUP	PLIED BY:	TR53		(E)5	3-B	SCCR: EXISTING AFC:					
SEF	VING: BLDG 5	3					(⊏)♥		FEED	: TOP	MOUNTING: SURFACE			
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	СК	
1	BASEMENT LTS	(2)		L	-	20/1	Α	20/1	-	Α		E/REFRIDGERATC	DR (2) 2	
3	B101 (2)			D	-	20/1	В	20/1	-	D		TE GF/LEFT (2)	4	
5	MECH RM LTS			L	-	20/1	С	20/1	-	Α	DISHWASHE	ER (2)	6	
7	RECEPTACLES	(2)		R	-	20/1	Α	20/1	-	D	RANGE (2)		8	
9	RECEPTACLES	(2)		R	-	20/1	В	20/1	-	-	-		10	
11	RECEPTACLES	(2)		R	-	20/1	С	20/1	-	L	LTG 115, 116	6, 117 (2)	12	
13	B104 RECEPTAC	CLES (2)		R	-	20/1	Α	20/1	-	L	LTG 112, 113	3, 114 (2)	14	
15	RK-TCB1-1A (3)			D	5.000	20/3	В	20/2	-	L	LTG 110, 11	1 (2)	16	
17	-			-	-	-	С	-	-	-	-		18	
19	-			-	-	-	Α	-	-	S	SPACE		20	
21	53-CU-1 (1)			м	4.160	25/2	В	-	-	S	SPACE		22	
23	-			-	-	-	С	-	-	S	SPACE		24	
25	TCB1 - RECEPT	ACLES (1)		R	0.720	20/1	Α	-	-	S	SPACE		26	
27	TCB1 - RECEPT	ACLES (1)		R	0.720	20/1	В	-	-	S	SPACE		28	
29	TCB1 - LIGHTS ((1)		L	0.156	20/1	С	-	-	S	SPACE		30	
31	53-RECP-1 (1)			R	0.180	20/1	Α	-	-	S	SPACE		32	
33	SPACE			s	-	-	В	-	-	S	SPACE		34	
35	SPACE			S	-	-	С	-	-	S	SPACE		36	
37	SPACE			S	-	-	Α	-	-	S	SPACE		38	
39	SPACE			S	_	-	В	_	-	S	SPACE		40	
41	SPACE			S	-	-	С	-	-	S	SPACE		42	
Р	HASE LOAD	PHASE A=	#VALUE!	_KVA	PHASE B=	#VALUE	<u>.</u> KVA	PHASE C=	#VALUE!	KVA				
L	OAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTF		TOTAL LO	ADS	
CON	NECTED LOAD		5.00			0.16		4.16	1.62		4.16	10.94 KVA	30.36 AM	
	ULATED LOAD		5.00			0.20		4.16	1.62		1.04	12.02 KVA	33.35 AM	
	OTES: NEW WO		.D											
				IZE AS INC	ICATED ON TH	IS SCHED	ULE. MATO	CH EXISTING TY	PE AND MAN	UFACTURE	R.			
		NG LOAD												

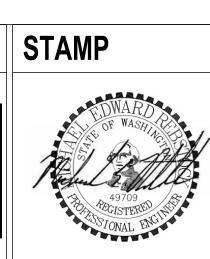
ARCHITECT/ENGINEER OF RECORD

<u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

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H ARCHITECTS • ENGINEER

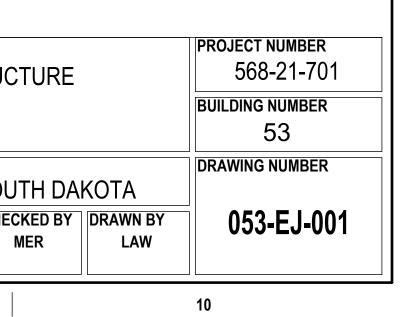
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FFICE OF ISTRUCTION FACILITIES	DRAWING TITLE BUILDING 53 ELECTRICAL ONE-LINE & PANEL SCHEDULES	PHASE 100% CONSTRUCTION DOCUMENTS	EHRM INFRASTI UPGRADES	RUCTURE
NAGEMENT	APPROVED: Project Director	FLS	FORT MEADE, S	SOUTH DAK
U.S. Department of Veterans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECKED BY MER
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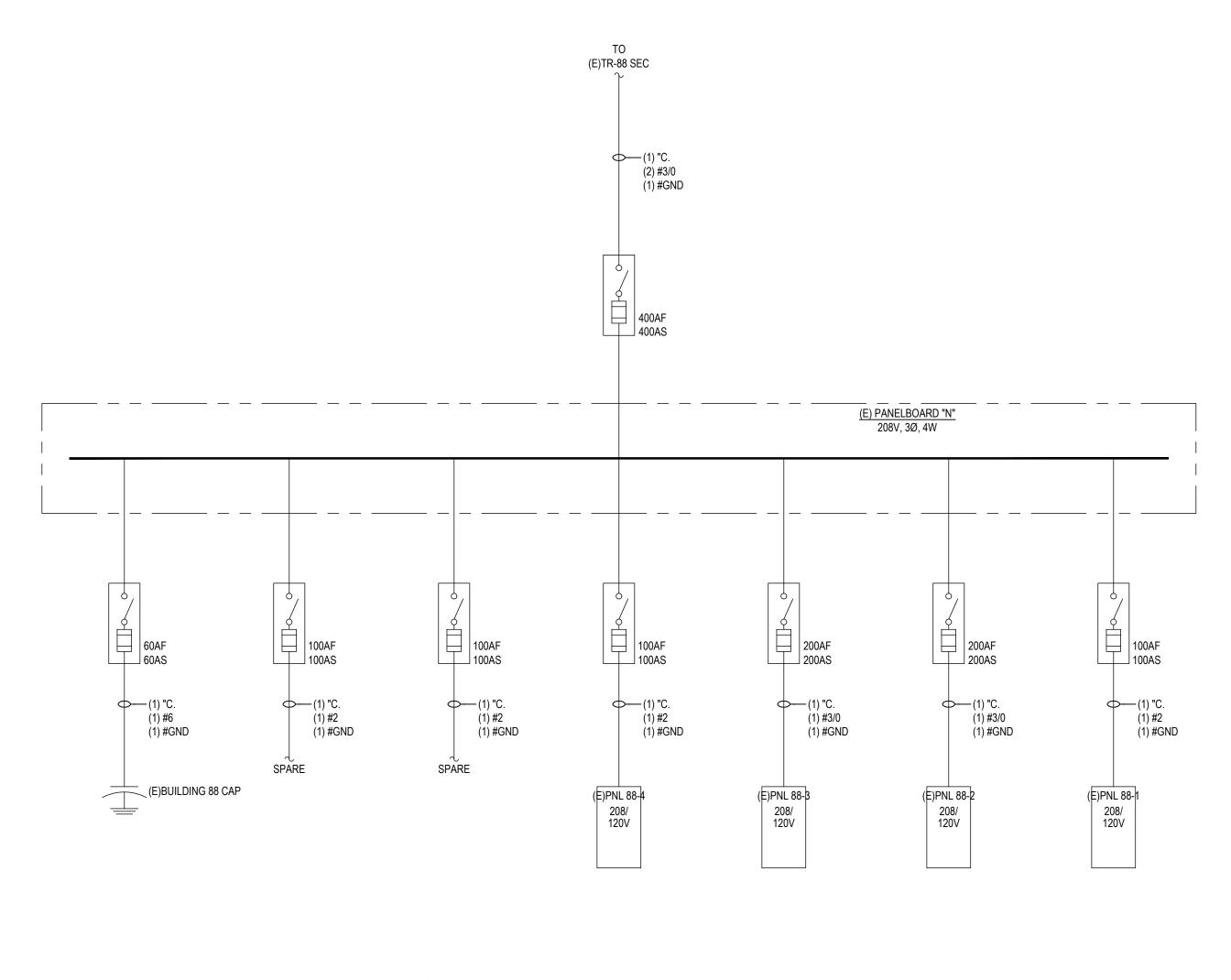
LOC	ATION:		SUP	PLIED BY	:
SEF	RVING:				
скт		LOAD		TYPE	ł
1	PRINT RM. CAM	ERA (2)		D	
3	PANEL OUTLET	SPARE (2)		S	
5	PRINT SHOP RE	CP (2)		R	
7	PRINT SHOP RE		R		
9	BREAK ROOM R		R		
11	COFFEE RECO	(SINK) (2)		R	
13	WATER FOUNT	AIN (2)		D	
15	WINDOW A/C RI	ECP (2)		R	
17	WINDOW A/C RI	ECP (2)		R	
19	OFFICE RECP (2	2)		R	
21	WINDOW A/C RI	ECP (2)		R R D	
23	OFFICE RECP (2	2)			
25	RK-B102D-1A (1)			5
27	-			-	
29	-			-	
Р	HASE LOAD	PHASE A=	#VALUE!	_KVA	PHASE
l	OAD TYPE	APPL	DED	HEAT	к
CON	NECTED LOAD		5.00		
CAL	CULATED LOAD		5.00		
I	NOTES: NEW WC	RK IN BOL	D		
	<u>1. PROVI</u>	DE NEW BR	REAKER. S	SIZE AS IND	
	<u>2. EXIST</u>	ING LOAD			

3 PHASE

4 WIRE

208/120 VOLT

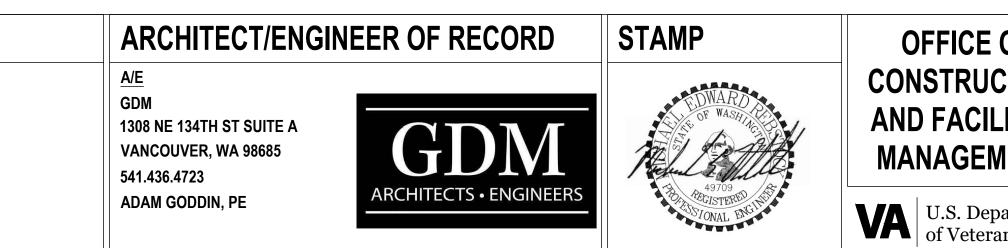
		Revisions:		Da	ite:	CONSULTANT
						ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE
8 - 6231	1		2			3



1 BLDG 88 ELECTRICAL ONE-LINE SCALE: NTS

		PAN			P BUS RAT	100 AMP MAIN E	100 AMP MAIN BREAKER			
		(E)8	8-1	SCCF	R: 22,000 A	AFC:				
				FEED	: TOP	Μ	OUNTING: SURF	ACE		
/A	A/P	PHASE	A/P	KVA	TYPE		СК			
-	30/1	A	20/1	-	L	OFFICE LTG (2)				
-	20/1	В	20/1	-	L	OFFICE LTG (2)				
	20/1	С	20/1	-	L	OFFICE LT	G (2)	6		
	20/1	А	20/1	-	L	OFFICE LTG (2)				
	20/1	В	20/1	-	R	RECP (2)				
	20/1	С	20/1	-	R	RECP (2)		12		
	20/1	A	20/1	-	R	RECP (2)		14		
	20/1	В	20/1	-	D	EXISTING	LOAD (2)	16		
	20/1	С	20/1	-	D	EXISTING LOAD (2)				
	20/1	А	20/1	-	D	EXISTING LOAD (2)				
	20/1	В	20/1	-	D	EXISTING LOAD (2)				
	20/1	С	20/1	-	S	SPARE (2)		24		
00	20/3	Α	20/1	-	R	CONFREN	CE RM RECP	26		
	-	В	40/2	-	м	POWER CO	ONDITIONER	28		
	-	С	_	-	-	-		30		
}=	#VALUE!	_KVA	PHASE C=	#VALUE!	_KVA					
СН	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LC	ADS		
							5.00 KVA	13.88 AM		
							5.00 KVA	13.88 AM		

208/	120 VOLT	3	PHASE	4	WIRE		PANEL			125 AMP BUS RATING 125 AMP MAIN BREAKER				
LOCATI	ON:		SUP	PLIED BY	:		(E)8	88-4	SCCR: EXISTING AFC:					
SERVI	NG:								FEED: TOP MOUNTING: SURFACE					
скт		LOAD		ТҮРЕ	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD		скт
	FICE HEAT (2	2)		н	-	30/2	Α	30/2	-	D	OFFICE HEA	AT (2)		2
3 -				-	-	-	В	-	-	-	-			4
5 SP	RINKLER PUI	MP (2)		D	-	20/2	С	20/1	-	R	PRINT SHOP	P RECP (2)		6
7 -	-			-	-	-	A	20/1	-	D	OFFICE HEA	AT (2)		8
9 PR	INT SHOP A/	C RECP (2)		R	-	20/1	В	20/1	-	D	OFFICE HEA	AT (2)		10
11 PR	PRINT SHOP LTG (2)				-	20/1	С	20/1	-	R	WINDOW A/	C RECP (2)		12
13 PR	PRINT SHOP RECP (2)				-	20/1	Α	20/1	-	L	OFFICE LTG	6 (2)		14
15 PR	PRINT SHOW RECP (2)				-	20/1	В	20/1	-	R	OFFICE REC	CP SPACE (2)		16
17 RK	-B102D-1B (1)		D	5.000	20/3	С	25/2	4.160	м	88-CU-1 (1)			18
19 -				-	-	-	A	-	-	-	-			20
21 -				-	-	-	В	20/1	0.208	L	RM B102D L	IGHTS (1)		22
23 88-	RECP-1 (1)			R	0.180	20/1	С	-	-	S	SPACE			24
25 TR	RM B102D R	ECEPTACL	.ES (1)	R	0.720	20/1	Α	-	-	S	SPACE			26
27 TR	RM B102D R	ECEPTACL	.ES (1)	R	0.720	20/1	В	-	-	S	SPACE			28
29 SP.	ACE			S	-	-	С	-	-	S	SPACE			30
PHA	SE LOAD	PHASE A=	#VALUE!	LKVA	PHASE B=	#VALUE	<u>I</u> KVA	PHASE C=	#VALUE!	_KVA				
LOA	AD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR		TOTAL LO	DADS	
CONNE	CTED LOAD		5.00			0.21		4.16	1.62		4.16	10.99 KVA	30.50) AMP
CALCUL	ATED LOAD		5.00			0.26		4.16	1.62		1.04	12.08 KVA	33.53	3 AMP
NOT	res: <u>new wo</u>	ORK IN BOL	.D											_
	1. PROV	IDE NEW BI	REAKER. S	SIZE AS INI	DICATED ON TI	HIS SCHED	ULE. MAT	CH EXISTING TY	PE AND MAN	UFACTURE	R.			_
	2. EXIST	ING LOAD												_
														-

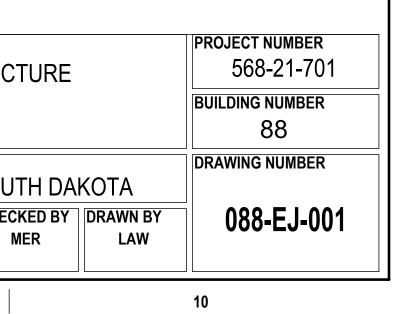


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OFFICE OF NSTRUCTION D FACILITIES	DRAWING TITLE BUILDING 88 ELECTRICAL ONE-LINE & PANEL SCHEDULES	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTI UPGRADES	RUCTURE
ANAGEMENT	APPROVED: Project Director	FLS	FORT MEADE, S	SOUTH DA
U.S. Department of Veterans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECKED BY MER
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THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

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11 SPARE (1)

13 SPARE (1)

15 SPARE (1)

17 SPACE

19 SPACE

21 SPACE

23 SPACE

25 SPACE

27 SPACE

29 SPACE

31 SPACE

33 SPACE

35 SPACE

37 SPACE

39 SPACE

41 SPACE

CONNECTED LOAD

CALCULATED LOAD

	208/120 VOLT ATION: ELEC R		PHASE SU	PPLIED BY	4 WIRE (: MDP		рал (E)8				P BUS RAT R: Existing		225 AMP MAIN E AFC:
SEI	RVING: BLDG 8	9					(–)•			FEED	D: TOP	N	IOUNTING: SURFA
скт		LOAD		TYPE	KVA	A/P	PHAS	SE	A/P	KVA	TYPE		LOAD
1	GENERAL MECI	H LTG (2)		L	-	20/1	Α		50/2	-	D	208V BOIL	ER & PRINT MACHI
3	PLUMBING SHC	P LTG (2)		L	-	20/1	В		-	-	-	-	
5	ELEC SHOP LTO	G UPSTAIR	S (2)	L	-	15/1		С	20/1	-	R	ELEC SHC	P SOUTH RECP (2)
7	PLUMBING SHC	P LTG UPS	TAIRS (2)	L	-	15/1	Α		20/1	-	R	PLUMB SH	HOP RECP S. & W. (2
9	ENGINEERING	OFFICE S. F	RECP (2)	R	-	20/1	В		20/1	-	L	ELEC SHO	DP N. LTG (2)
11	ENGINEERING	OFFICE CEI	NTER LTG ((2) D	-	20/1		С	20/1	-	L	ELECTRIC	SHOP SOUTH LTG
13	ENGINEERING	OFFICE SO	UTH LTG (2	2) D	-	20/1	Α		20/1	-	L	PLUMBING	G SHOP LTG (2)
15	208V AIR COMP	RESSOR (2	2)	D	-	20/3	В		20/1	-	R	ENGINEE	RING OFFICE RECP
17	-			-	-	-		С	20/1	-	D	REST ROO	OM WATER COOLER
19	-			-	-	-	Α		20/1	-	L	HALLWAY	, JANITOR & ENGR.
21	PLUMBING SHC	P S. RECP	(2)	R	-	20/1	В	;	20/1	-	L	ENGR. OF	FICE N. LTG (2)
23	PLUMBING SHC	P S. RECP	(2)	R	-	15/1		С	20/1	-	L	ELEC. & P	LUMB. OFFICE LTG
25	ELEC SHOP RE	CP BENCH	(2)	R	-	20/1	Α		20/3	-	D	ELEC SHC	OP 3PHASE BENCH (
27	ELEC SHOP TO	P BENCH R	ECP (2)	R	-	20/2	В		-	-	-	-	
29	-			-	-	-		С	-	-	-	-	
31	ELEC SHOP BEI	NCH TESTE	ER (2)	S	-	20/1	Α		20/2	-	D	ELEC SHO	OP 208V BENCH (2)
33	EXISTING LOAD	(FIRE ALA	RM) (2)	S	-	20/1	В		_	-	-	-	
35	EXISTING LOAD	0 (2)		S	-	20/1		С	20/3	1.167	D	RK-202-1A	A (1)
37	EXISTING LOAD) (2)		S	-	20/2	Α		-	-	-	-	
39	SPARE				-	-	В		-	-	-	-	
41	EXISTING LOAD) (2)		S	-	20/1		С	20/1	-	S	PLUMBING	G N. RECP (2)
P	HASE LOAD	PHASE A=	#VALUE!	KVA	PHASE B=	#VALUE	! KVA		PHASE C=	#VALUE!	KVA		
	LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS			MTR	RCPT			TOTAL LO
	INECTED LOAD		1.17										1.17 KVA
	CULATED LOAD		1.17										1.17 KVA
	-			IZE AS INDI	CATED ON THIS	S SCHEDUL	E. MATCI	H EX	ISTING TYPE	AND MANUF	ACTURER.		
LOC	208/120 VOLT ATION: 202	3	PHASE	4 \ PLIED BY: N	WIRE MDP	(N)	ран 1 -89		-202	SCCR:	BUS RATIN 22,000 A		00 AMP MAIN BRE AFC:
SEI	RVING: TR T			I			1			FEED:		MOU	JNTING: SURFACE
СКТ		LOAD		TYPE	KVA	A/P	PHASE		A/P	KVA	TYPE	W 000 45 41	LOAD
	RK-202-1A (1)			D	2.500	20/3	A		20/3	2.500	DR	RK-202-1B (1)
3	-			-	-	-	B		-	-			
5				-	-	-	C		-	-			
	89-RECP-1 (1)			R	0.180	20/1	A		20/1	0.720			
9	LIGHTING - RM	202		L	0.208	20/1	B		20/1	0.720	RT	R RM 202 R	ECEPTACLES (1)

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NOTES: NEW WORK IN BOLD	
PROVIDE WITH 200% RATED NEUTRAL.	

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20/1

20/1 A

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20/1 B

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- A

- A

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- |

- |

0.21

0.26

- B

- B

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C

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PHASE LOAD PHASE A= <u>4.65</u> KVA PHASE B= <u>2.59</u> KVA PHASE C=

25/2

-

20/1

20/1

20/1

-

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-

-

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-

-

-

-

-

-

MTR

4.16

4.160 M 89-CU-1 (1)

-

- S SPARE (1)

S SPACE

- S SPACE

S SPARE (1)

S SPARE (1)

-

-

-

-

<u>3.75</u> KVA

1.62

4.16 1.62

1. PROVIDE NEW BREAKER. SIZE AS INDICATED ON THIS SCHEDULE.

LOAD TYPE APPL DED HEAT KITCH LTS

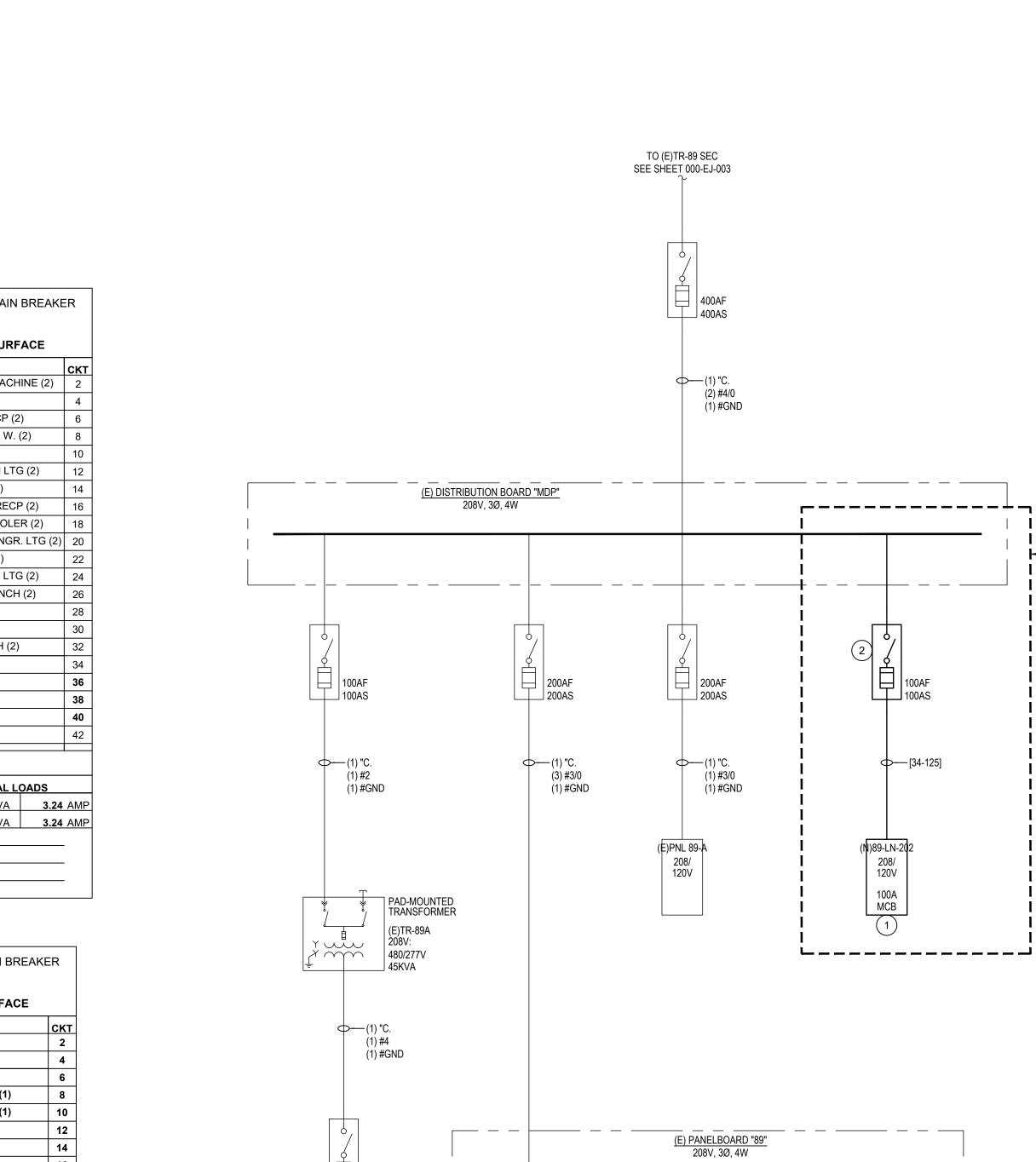
5.00

5.00

Revisions:	Date:	CONSULTANT
		ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE

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° ∖20AT

o²0AF

ф----(1) "С.

SPARE

(1) #4 (1) #GND

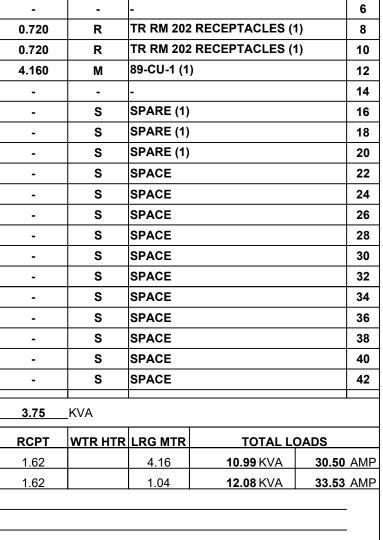
60AF

(1) "C. (1) #4

SPARE

(1) #GND

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[⊃] ∖20AT

(1) "C. (1) #12 (1) #GND

15AF

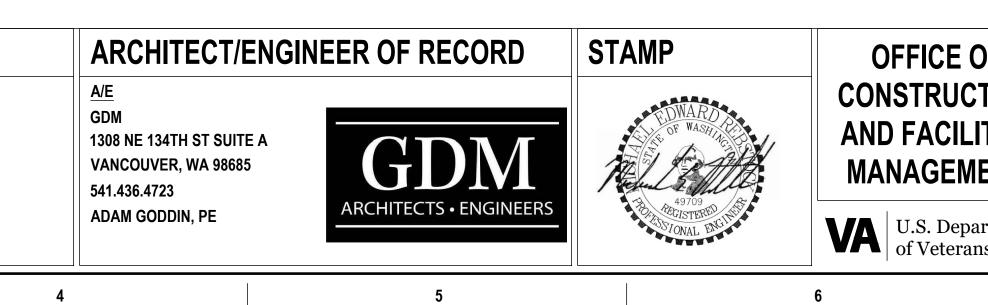
ф----(1) "С.

(1) #12 (1) #GND

MTRI-0262 7HP

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

_♀∕20AF



E OF JCTION ILITIES	DRAWING TITLE BUILDING 89 ELECTRICAL ONE-LINE & PANEL SCHEDULES	PHASE 100% CONSTRUCT DOCUMENTS	ION	PROJECT TITLE EHRM INFRAST UPGRADES	RUCTI
MENT	APPROVED: Project Director	FLS		FORT MEADE,	SOUTH
epartment erans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRIN	KLERED	ISSUE DATE 11/05/2024	CHECKE
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GENERAL NOTES 1. COORDINATE ANY INTERRUPTIONS OF SERVICE FOR EXISTING EQUIPMENT WITH COR PRIOR TO DEMOLITION OR CONSTRUCTION. 2. REFER TO ELECTRICAL FEEDER SCHEDULE ON SHEET

000-EG-001 FOR ADDITIONAL INFORMATION AND FEEDER REQUIREMENTS.

10

KEYNOTES

1 CONTRACTOR TO PROVIDE NEW 208V, 100A, 3-PHASE PANEL WITH NEW 100A MAIN CIRCUIT BREAKER. REFER TO ASSOCIATED 'EP' SHEET FOR LOCATION OF NEW PANEL. 2 CONTRACTOR TO PROVIDE NEW 100A FUSES IN EXISTING SPARE BUCKET IN 'MDP'.

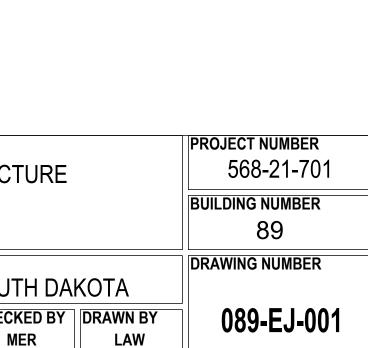
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THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

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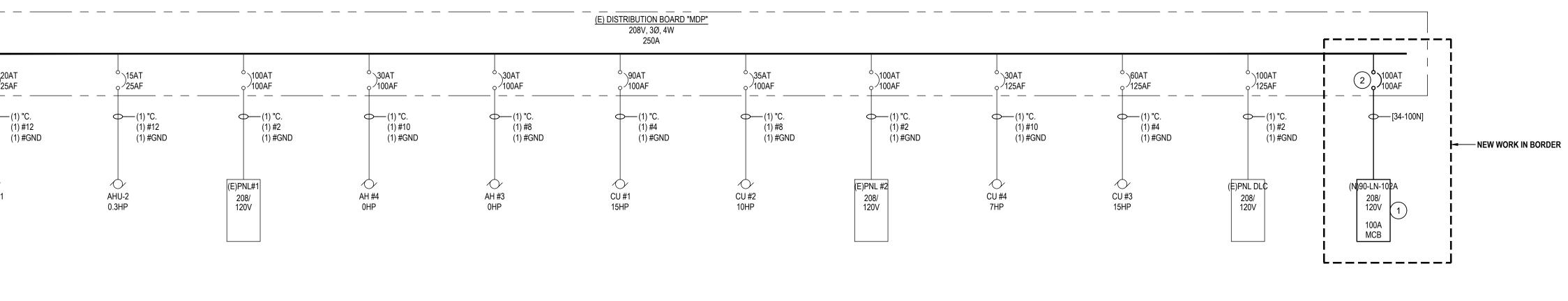
TO (E)TR-89 SEC SEE SHEET 000-EJ-003 \250AT o^{250AF} ф—(1) "С. (1) # (1) #GND °∖20AT o[/]25AF - ---�—(1) "C. (1) #12 (1) #GND AHU-1 3HP

208/120 VOLT LOCATION: 102 SERVING: BLDG 90	3 PHASE SU	JPPLIED BY: 1	WIRE TR89		PANE (E)M		SCCF	P BUS RAT R: EXISTING D: TOP			208/120 VOLT LOCATION: 102 SERVING: BLDG 90		4 WIRE D BY: MDP		PANE (E)90		FEED:	EXISTIN		208/120 LOCATION: SERVING:	102A	3 PHASE SL	E 4	WIRE MDP	(N)9	PANEL 0-LN-1		100 AMP B SCCR: 2 FEED: T	2,000 A	100 AMP MAIN BREAKER AFC: DUNTING: SURFACE
CKTLOAD1EXISTING LOAD (2))	D TYPE	KVA	A/P 20/3		A/P 15/3	KVA	TYPE D	LOAD EXISTING LOAD (2)	<u>CKT</u>	1 ELECTRIC HEAT		<u>(PE KVA</u> H -	A/P 30/2		A/P	KVA	TYPE M	LOADCKTAIR CONDITIONER (2)2	CKT 1 RK-102	LOA 2A-1B (1)	D	TYPE D	KVA 5.000	A/P F 20/3	HASE	A/P 20/1	KVA 0.180	TYPE R 90-RECP-1	LOAD CKT
3 -		-	_	-	В	-	-	-	(_)	4	3 -			-	В	-	-	-	- 4	3 -			-	-	-		35/2	4.992	M 90-OU-1 (1)	4
5 -		-	-	-	c	-	-	-	-	6	5 RK-102A-1A (1)		D 5.000	20/3	c	-	-	М	AIR CONDITIONER (2) 6	5 -			-	-	-	с	-	-		6
7 EXISTING LOAD (2)		D	-	100/3	A	30/3	-	D	EXISTING LOAD (2)	8	7 -			-	A	-	-	-	- 8	7 RM 102	2A RECEPTA	CLES (1)	R	0.720	20/1	<u>م</u>	20/1	0.720	R RM 102A R	CEPTACLES (1) 8
9 -		-	-	-	В	-	-		-	10	9 -			-	В	-	-	D	FIRE ALARM PANEL (2) 10	9 RM 102	2A LIGHTING	(1)	L	0.104	20/1	B	20/1	-	S SPARE (1)	10
11 -		-	-	-	С	-	-	-	-	12	11 SPARE (2)		S -	20/1	С	-	-	D	LTG & RECP (2) 12	11 SPARE	E (1)		S	-	20/1	С	20/1	-	S SPARE (1)	12
13 EXISTING LOAD (2)		D	-	30/3	A	30/3	-	D	EXISTING LOAD (2)	14	13 COMP RECP SC	HOOL (2)	R -	20/1	A	-	-	D	STONE SAW (2) 14	13 SPARE	E (1)		S	-	20/1	A :	20/1	-	S SPARE (1)	14
15 -		-	-	-	В	-	-	-	-	16	15 LTG AND RECP (2)	D -	20/3	В	-	-	-	- 16	15 SPARE	E (1)		S	-	20/1	В	-	-	S SPACE	16
17 -		-	-	-	С	-	-	-	-	18	17 -			-	с	-	-		CONF. RM L RECP (2) 18	17 SPACE			S	-	-	с	-	-	S SPACE	18
19 EXISTING LOAD (2)		D	-	90/3	A	35/3	-	D	EXISTING LOAD (2)	20	19 -			-	A	-	-		CLASSROOM CORR RECP (2) 20	19 SPACE			S	-	-	A	-	-	S SPACE	20
21 -		-	-	-	В	-	-	-	-	22	21 CLASS IG FLR R	. ,	R -	20/1		-	-		CLASS IG FLR RECP (2) 22	21 SPACE			S	-	-	В	-	-	S SPACE	22
23 -		-	-	-	c	-	-	-	-	24	23 CLASS IG FLR R	ECP (2)	R -	20/1		-	-	R	CLASS IG FLR RECP (2) 24	23 SPACE			S	-	-	с	-	-	S SPACE	24
25 EXISTING LOAD (2)		D	-	30/3	A	100/3	-	D	EXISTING LOAD (2)	26	25 CLASS IG FLR R	()	R -	20/1	A	-	-		CLASS IG FLR RECP (2) 26	25 SPACE			S	-	-	A	-	-	S SPACE	26
27 -		-	-	-	В	-	-	-	-	28	27 CLASS IG FLR R		R -	20/1		-	-		NEW CLASSRM LTG (2) 28	27 SPACE			S	-	-	В	-	-	S SPACE	28
29 -		-	-	-	c	-	-	-	-	30	29 CLASS IG FLR R	()	R -	20/1	c	-	-	L	NEW CLASSRM LTG (2) 30	29 SPACE			S	-	-	С	-	-	S SPACE	30
31 EXISTING LOAD (2)		D	-	30/3	A	60/3	-	D	EXISTING LOAD (2)	32	31 CLASS IG FLR R	. ,	R -	20/1	A	20/1	-	S	SPARE (2) 32	PHASE L		ASE A= <u>3.29</u>	κ\/Δ	PHASE B=	4.27 K	VA PHASE		4.16 K		
33 -			-	-	В	-		-	-	34	33 E OFFICE IG REC	. ,	R -	20/1		20/1	-		WATER COLLER RECP (2) 34											
35 -		-	-	-	C	-	-	-	-	36	35 SPARE (2)		S -	20/1		20/1	-		E OFFICE IG RECP (2) 36	LOAD T		PPL DED		КІТСН	LTS		MTR		VTR HTR LRG MTR	TOTAL LOADS
37 90-LN-102A (1)		P	11.716	100/3	A	100/3	-	D	EXISTING LOAD (2)	38	37 SPARE (2)		S -	20/1		20/1	-		CP 1&4 (2) 38	CONNECTE		5.00			0.10	·	4.99	1.62	4.99	11.72 KVA 32.52 AMP
39 -			-	-	В	-	-	-	-	40	39 A-H CONTROLS	· ,	D -	20/1		20/1	-	D	CP 2&3 (2) 40	CALCULATE		5.00			0.13		4.99	1.62	1.25	12.99 KVA 36.06 AMP
41 -		-	-	-	C	-	-	-	-	42	41 SPRINKLER AIR	COMP (2)	D -	20/1	C	20/1	-	D	BOILER (2) 42		NEW WORK									
PHASE LOAD PHA	SE A= #VALUE	JE! KVA F	PHASE B=	#VALUE!	KVA P	HASE C=	#VALUE!	KVA			PHASE LOAD	PHASE A= #VALUE! KVA	PHASE B=	#VALU	E! KVA PH	HASE C=	#VALUE!	KVA	· · · · ·			TH 200% RATE								
LOAD TYPE A					-	MTR															1. PROVIDE	NEW BREAKER	R. SIZE AS INL	DICATED ON TH	HIS SCHEDULE					
	PPL DED		KIICH			MIR	RCPT					APPL DED HI				MTR	RCPT	WIRHIN												
				0.40	+	4.00	4.00		KVA			5.00							5.00 KVA 13.88 AMP											
(N)90-LN-102A	5.00			0.10		4.99	1.62			32.52 AMP									5.00 KVA 13.88 AMP											
	5.00			0.10		4.99	1.62			32.52 AMP	NOTES: NEW WO																			
CALCULATED LOAD NOTES: <u>NEW WORK II</u>				0.13	I I	4.99	1.62	_	1.25 12.99 KVA	36.06 AMP		DE NEW BREAKER. SIZE A	AS INDICATED OF	I TIS SCHED	ULE. MATCHE	EVISTING I AL	<u> AND MANUF</u>	ACIUREN	τ											
			SPACE. SIZE AS		D ON THIS	SCHEDULE. M	ATCH EXISTI	ING TYPE AI	ND MANUFACTURER.		<u>2. EXISTI</u>																			

Revisions:	Date: CONSULTAN
	ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, P

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SCALE: NTS

ARCHITECT/ENGINEER OF RECORD <u>A/E</u>

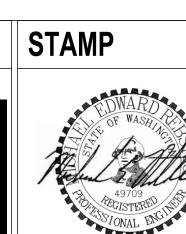
GDM 1308 NE 134TH ST SUITE A

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VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

ARCHITECTS • ENGINEE

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GENERAL NOTES

CONSTRUCTION.

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KEYNOTES

1 CONTRACTOR TO PROVIDE NEW 208Y/120V, 100A, PANEL. REFER TO ASSOCIATED 'EP' SHEET FOR LOCATION OF NEW PANEL. 2 CONTRACTOR TO PROVIDE NEW 100A/3P SUB-FEED BREAKER IN EXISTING SPACE TO FEED NEW PANEL. SIZE AS INDICATED ON THIS SHEET. MATCH EXISTING TYPE AND MANUFACTURER.

BLDG 90 ELECTRICAL ONE-LINE

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OFFICE OF CONSTRUCTION AND FACILITIES	DRAWING TITLE BUILDING 90 ELEC PANEL SCHEDULES	TRICAL ONE-LINE & S	PHASE 100% CONSTRU DOCUMENTS	UCTION	PROJECT TITLE EHRM INFRAS UPGRADES	STRUCTURE	
MANAGEMENT	APPROVED: Project Director		FLS		FORT MEADE	E, SOUTH DA	KO
VA U.S. Department of Veterans Affairs	FOR OFFICIAL	USE ONLY (FOUO)	FULLY SPF	RINKLERED	ISSUE DATE 11/05/2024	CHECKED BY MER	DR
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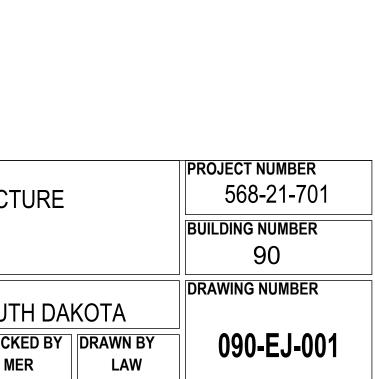
1. COORDINATE ANY INTERRUPTIONS OF SERVICE FOR EXISTING EQUIPMENT WITH COR PRIOR TO DEMOLITION OR 2. REFER TO ELECTRICAL FEEDER SCHEDULE SHEET 000-EG-001

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FOR ADDITIONAL INFORMATION AND FEEDER REQUIREMENTS.



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GENERAL DEMOLITION NOTES 1. VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.

2. COORDINATE ANY INTERRUPTIONS OF SERVICE FOR EXISTING EQUIPMENT WITH COR PRIOR TO DEMOLITION OR CONSTRUCTION.

DEMOLITION KEYNOTES

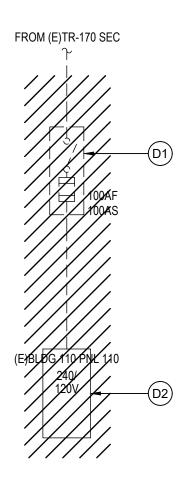
D1 CONTRACTOR TO REMOVE EXISTING 100A SERVICE DISCONNECT EXISTING CONDUIT AND CONDUCTORS TO REMAIN FOR REUSE. CONTRACTOR TO VERIFY CONDUCTOR SIZES TO ENSURE FEEDERS ARE CAPABLE OF SUPPORTING NEW 150A PANEL. REMOVE CONDUCTORS BACK TO SOURCE IF EXISTING FEEDERS NEED TO BE UPSIZED.

D2) CONTRACTOR TO REMOVE EXISTING 100A PANEL. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.

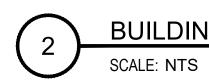


TH ST SUITE A R, WA 98685 BSTOCK, PE
;

	240/120 VOLT 1PHASE		PHASE	3	WIRE	PANEL			150 AMF	BUS RAT	ING	150 AMP MAIN BREAKER	
OCATION: GARAGE SUI			SUPF	PLIED BY: TR170		(N)110-LN-T1		SCCR: 22,000 A			AFC:		
SERVING: BL	.DG 110							FEED	тор			ACE	
СКТ	LOAD			TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	скт
1 EXISTING	LOAD (2)			D	-	20/1	Α	20/2	-	D	EXISTING L	OAD (2)	2
3 EXISTING	LOAD (2)			D	-	20/1	В	-	-	-	-		4
5 EXISTING	LOAD (2)			D	-	20/2	Α	30/2	-	D	EXISTING L	OAD (2)	6
7 -				-	-	-	В	-	-	-	-		8
9 EXISTING	LOAD (2)			D	-	20/1	Α	20/1	-	D	EXISTING L	OAD (2)	10
11 EXISTING	LOAD (2)			D	-	20/1	В	20/1	-	D	EXISTING L	OAD (2)	12
13 EXISTING	LOAD (2)			D	-	20/1	Α	30/2	-	D	EXISTING L	OAD (2)	14
15 EXISTING	LOAD (2)			D	-	20/1	В	-	-	-	-		16
17 EXISTING	LOAD (2)			D	-	15/1	Α	20/1	-	D	EXISTING L	OAD (2)	18
19 EXISTING LOAD (2)			D	-	15/1	В	20/1	-	D	EXISTING LOAD (2)		20	
21 EXISTING LOAD (2)			D	-	20/1	Α	20/1	-	D	EXISTING LOAD (2)		22	
23 EXISTING	3 EXISTING LOAD (2)		D	-	60/2	В	35/2	-	D	EXISTING LOAD (2)		24	
25 -				-	-	-	Α	-	-	-	-		26
27 RK-102-14	A (1)			D	1.440	30/1	В	20/1	-	S	SPARE (1)		28
29 RK-102-18	3 (1)			D	1.440	30/1	Α	20/1	-	S	SPARE (1)		30
31 110-RECP	-1 (1)			R	0.360	20/1	В	20/1	-	S	SPARE (1)		32
33 110-CU-1	(1)			М	4.800	25/2	Α	-	-	S	SPACE		34
35 -				-	-	-	В	-	-	S	SPACE		36
37 SPACE				S	-	-	Α	-	-	S	SPACE		38
39 SPACE				S	-	-	В	-	-	S	SPACE		40
41 SPACE				s	-	-	Α	-	-	S	SPACE		42
			PH	ASE LOAD	PHASE A=	#VALUE	<u>KVA</u>	PHASE B=	#VALUE!	_KVA			
LOAD TYP	E AP	PL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LO	DADS
	OAD		2.88					4.80	0.36		4.80	8.04 KVA	33.50 AMF
CALCULATED	LOAD		2.88					4.80	0.36		1.20	9.24 KVA	38.50 AMF
NOTES: <u>NE</u>	W WORK IN	BOLD)										
<u>PF</u>	OVIDE WITH	H 200%		NEUTRAL.									
<u>1.</u>	PROVIDE NE	EW BRI	EAKER. S	IZE AS IND	ICATED ON	I THIS SCH	IEDULE.						
2.	PROVIDE NE		EAKER FO	OR RELOC	ATED EXIS	TING LOAD	D. SIZE AS	INDICATE	D ON THIS	SCHEDULE			



BUILDING 110 ELECTRICAL DEMOLITION ONE-LINE



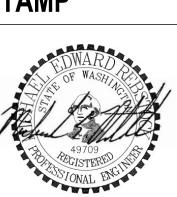
ARCHITECT/ENGINEER OF RECORD STAMP

1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

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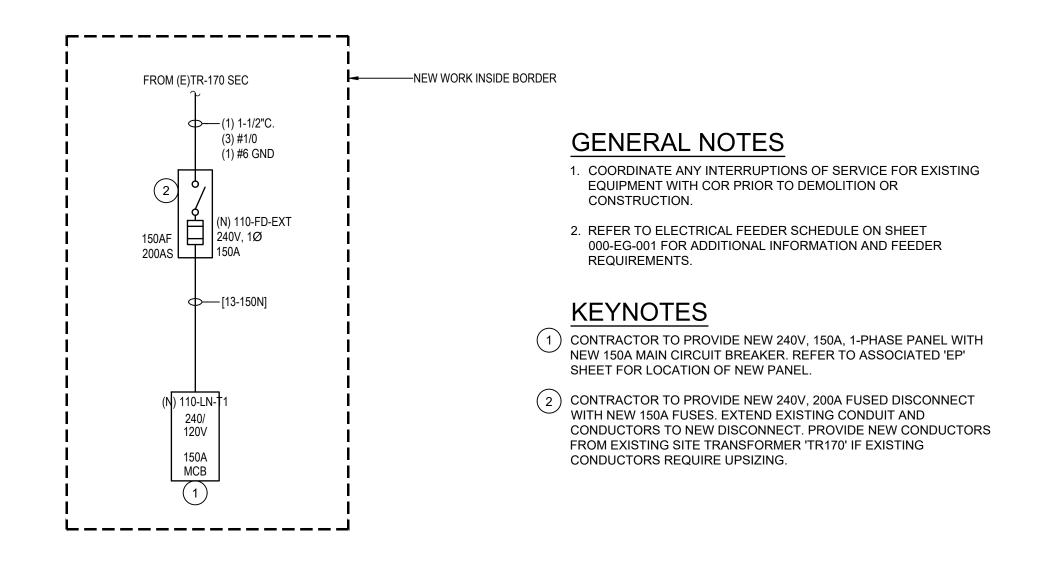


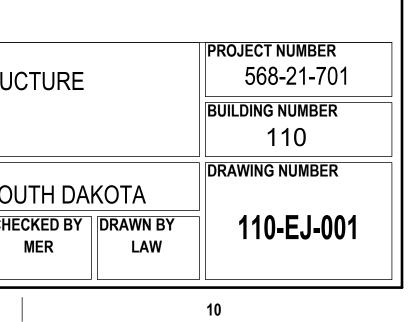


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CE OF RUCTION ACILITIES	DRAWING TITLE BUILDING 110 ELECTRICAL ONE-LINES & PANEL SCHEDULES	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES		
GEMENT	APPROVED: Project Director	FLS	FORT MEADE, SOUT		
. Department /eterans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024		
	7	8	9		

BUILDING 110 ELECTRICAL REMODEL ONE-LINE



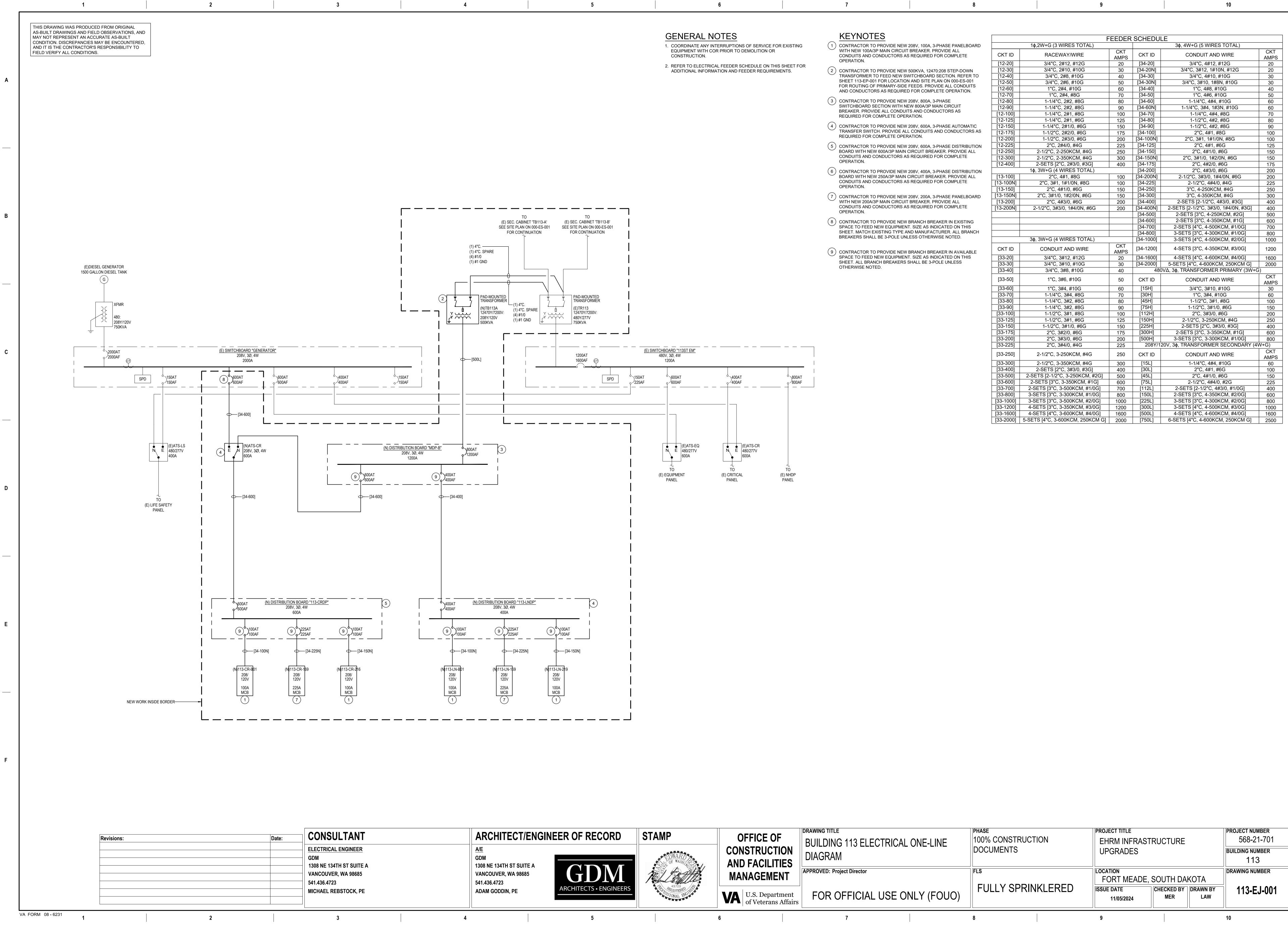


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	F	EEDER	SCHEDU	LE	
	1φ,2W+G (3 WIRES TOTAL)			36, 4W+G (5 WIRES TOTAL)	
CKT ID	RACEWAY/WIRE	CKT AMPS	CKT ID	CONDUIT AND WIRE	CKT AMPS
[12-20]	3/4"C, 2#12, #12G	20	[34-20]	3/4"C, 4#12, #12G	20
[12-30]	3/4"C, 2#10, #10G	30	[34-20N]	3/4"C, 3#12, 1#10N, #12G	20
[12-40]	3/4"C, 2#8, #10G	40	[34-30]	3/4"C, 4#10, #10G	30
[12-50]	3/4"C, 2#6, #10G	50	[34-30N]	3/4"C, 3#10, 1#8N, #10G	30
[12-60]	1"C, 2#4, #10G	60	[34-40]	1"C, 4#8, #10G	40
[12-70]	1"C, 2#4, #8G	70	[34-50]	1"C, 4#6, #10G	50
[12-80]	1-1/4"C, 2#2, #8G	80	[34-60]	1-1/4"C, 4#4, #10G	60
[12-90]	1-1/4"C, 2#2, #8G	90	[34-60N]	1-1/4"C, 3#4, 1#3N, #10G	60
[12-100]	1-1/4"C, 2#1, #8G	100	[34-70]	1-1/4"C, 4#4, #8G	70
[12-125]	1-1/4"C, 2#1, #6G	125	[34-80]	1-1/2"C, 4#2, #8G	80
[12-150]	1-1/4"C, 2#1/0, #6G	150	[34-90]	1-1/2"C, 4#2, #8G	90
[12-175]	1-1/2"C, 2#2/0, #6G	175	[34-100]	2"C, 4#1, #8G	100
[12-200]	1-1/2"C, 2#3/0, #6G	200	[34-100N]	2"C, 3#1, 1#1/0N, #8G	100
[12-225]	2"C, 2#4/0, #4G	225	[34-125]	2"C, 4#1, #6G	125
[12-250]	2-1/2"C, 2-250KCM, #4G	250	[34-150]	2"C, 4#1/0, #6G	150
[12-300]	2-1/2"C, 2-350KCM, #4G	300	[34-150N]	2"C, 3#1/0, 1#2/0N, #6G	150
[12-400]	2-SETS [2"C, 2#3/0, #3G]	400	[34-175]	2"C, 4#2/0, #6G	175
[40,400]	1φ, 3W+G (4 WIRES TOTAL)		[34-200]	2"C, 4#3/0, #6G	200
[13-100]	2"C, 4#1, #8G	100	[34-200N]	2-1/2"C, 3#3/0, 1#4/0N, #6G	200
[13-100N]	2"C, 3#1, 1#1/0N, #8G	100	[34-225]	2-1/2"C, 4#4/0, #4G	225
[13-150]	2"C, 4#1/0, #6G	150	[34-250]	3"C, 4-250KCM, #4G	250
[13-150N]	2"C, 3#1/0, 1#2/0N, #6G	150	[34-300]	3"C, 4-350KCM, #4G	300
[13-200]	2"C, 4#3/0, #6G	200	[34-400]	2-SETS [2-1/2"C, 4#3/0, #3G]	400
[13-200N]	2-1/2"C, 3#3/0, 1#4/0N, #6G	200	[34-400N]		400
			[34-500]	2-SETS [3"C, 4-250KCM, #2G]	500
			[34-600]	2-SETS [3"C, 4-350KCM, #1G]	600
			[34-700] [34-800]	2-SETS [4"C, 4-500KCM, #1/0G] 3-SETS [3"C, 4-300KCM, #1/0G]	700
	3¢, 3W+G (4 WIRES TOTAL)		[34-800]	3-SETS [3 C, 4-500KCM, #1/0G]	800
		СКТ		• • •	1000
CKT ID	CONDUIT AND WIRE	AMPS	[34-1200]	4-SETS [3"C, 4-350KCM, #3/0G]	1200
[33-20]	3/4"C, 3#12, #12G	20	[34-1600]	4-SETS [4"C, 4-600KCM, #4/0G]	1600
[33-30]	3/4"C, 3#10, #10G	30	[34-2000]	5-SETS [4"C, 4-600KCM, 250KCM G]	2000
[33-40]	3/4"C, 3#8, #10G	40	48	0VΔ, 3φ, TRANSFORMER PRIMARY (3W+G	/
[33-50]	1"C, 3#6, #10G	50	CKT ID	CONDUIT AND WIRE	CKT AMPS
[33-60]	1"C, 3#4, #10G	60	[15H]	3/4"C, 3#10, #10G	30
[33-70]	1-1/4"C, 3#4, #8G	70	[30H]	1"C, 3#4, #10G	60
[33-80]	1-1/4"C, 3#2, #8G	80	[45H]	1-1/2"C, 3#1, #8G	100
[33-90]	1-1/4"C, 3#2, #8G	90	[75H]	1-1/2"C, 3#1/0, #6G	150
[33-100]	1-1/2"C, 3#1, #8G	100	[112H]	2"C, 3#3/0, #6G	200
[33-125]	1-1/2"C, 3#1, #6G	125	[150H]	2-1/2"C, 3-250KCM, #4G	250
[33-150]	1-1/2"C, 3#1/0, #6G	150	[225H]	2-SETS [2"C, 3#3/0, #3G]	400
[33-175]	2"C, 3#2/0, #6G	175	[300H]	2-SETS [3"C, 3-350KCM, #1G]	600
[33-200]	2"C, 3#3/0, #6G	200	[500H]	3-SETS [3"C, 3-300KCM, #1/0G] 20V, 3¢, TRANSFORMER SECONDARY (4)	800
[33-225]	2"C, 3#4/0, #4G	225			CKT
[33-250] [33-300]	2-1/2"C, 3-250KCM, #4G 2-1/2"C, 3-350KCM, #4G	250 300	CKT ID [15L]	CONDUIT AND WIRE 1-1/4"C, 4#4, #10G	AMPS 60
[33-400]	2-SETS [2"C, 3#3/0, #3G]	400	[30L]	2"C, 4#1, #10G	100
[33-500]	2-SETS [2-1/2"C, 3-250KCM, #2G]	500	[30L] [45L]	2"C, 4#1, #6G	150
[33-600]	2-SETS [3"C, 3-350KCM, #1G]	600	[43L] [75L]	2-0, 4#1/0, #0G 2-1/2"C, 4#4/0, #2G	225
[33-700]	2-SETS [3"C, 3-500KCM, #1/0G]	700	[112L]	2-SETS [2-1/2"C, 4#4/0, #2G	400
[33-800]	3-SETS [3"C, 3-300KCM, #1/0G]	800	[150L]	2-SETS [3"C, 4-350KCM, #2/0G]	600
[33-1000]	3-SETS [3"C, 3-500KCM, #2/0G]	1000	[130L] [225L]	3-SETS [3"C, 4-300KCM, #2/0G]	800
[33-1200]	4-SETS [3"C, 3-350KCM, #3/0G]	1200	[223L] [300L]	3-SETS [4"C, 4-500KCM, #3/0G]	1000
[33-1600]	4-SETS [4"C, 3-600KCM, #4/0G]	1200	[500L]	4-SETS [4"C, 4-600KCM, #4/0G]	1600
					2500
[33-2000]	5-SETS [4"C, 3-600KCM, 250KCM G]	2000	[750L]	6-SETS [4"C, 4-600KCM, 250KCM G]	2

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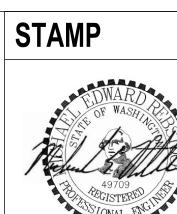
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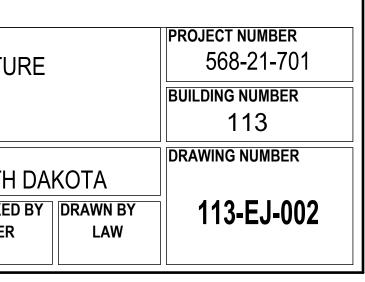
208/120 VOLT 3 F OCATION: B14B SERVING: BLDG 113 TR'S	HASE 4 WIRE SUPPLIED BY: TB113A	PANEL (N)MDP	P-B	00 AMP BUS RATING800 AMP MSCCR: 22,000 AAFC:FEED: TOPMOUNTING: \$	AIN BREAKER 208/120 VOLT LOCATION: URFACE SERVING:	3 PHASE SUPPLIED E	4 WIRE ^{BY: ATS-CRDP-B14B<mark>(N)113</mark>}	PANEL 3-CRDP-B14B	600 AMP BUS R/ SCCR: 22,000 FEED: TOP		208/120 VOLT LOCATION: SERVING:	3 PHASE 4 WIRE SUPPLIED BY: MDP-E	³ (N)113	PANEL -LNDP-B14B	400 AMP BUS RATING SCCR: 22,000 A FEED: TOP	NG 250 AI AF MOUNTIN
CKT LOAD 1 PANEL '113-CRDP-B14B' (1)	TYPE KVA P 96.968	A/P PHASE 600/3 A		KVA TYPE LOAD 52.872 P PANEL '113-LNDP-B148	CKT CKT '(1) 2 1 PANEL '113-CR-	LOAD TYPE B01' (1) P	E KVA A/P 19.024 100/3	PHASE A/P A 200/3	KVA TYPE 57.976 P	E LOAD CKT PANEL '113-CR-169' (1) 2	CKT LOAD 1 PANEL '113-LN-B01' (1)	P 5	(VA A/P .180 100/3	PHASE A/P A 225/3		LC PANEL '113-LN-16
3 - 5 - 7 SPACE	 S -	- B - C - A	-	 - S SPACE	4 3 - 6 5 - 8 7 PANEL '113-CR-	 - 216' (1) P	 19.968 100/3	B	 	- 4 - 6 SPACE 8	3 - 5 - 7 PANEL '113-LN-216' (1)	-	 5.000 100/3	B - C - A -		- - SPACE
7 SPACE 9 SPACE 11 SPACE	S - S - S -	- B	-	- S SPACE - S SPACE - S SPACE	10 9 -	· · · ·		A - B - C -		SPACE 10				B - C -	- S SF	SPACE SPACE SPACE
11 SPACE 13 SPACE 15 SPACE	<u> </u>	- C - A		- S SPACE - S SPACE - S SPACE	12 11 - 14 13 SPACE 16 15 SPACE			A - R			11 - 13 SPACE 15 SPACE		· · ·	A -	- S SF	SPACE SPACE SPACE
15 SPACE 17 SPACE 19 SPACE	<u> </u>	- В - С		- S SPACE - S SPACE - S SPACE	16 15 SPACE 18 17 SPACE 20 19 SPACE	S S		C -	- S	SPACE 18	15 SPACE 17 SPACE 19 SPACE	5 5 6	· · ·	C -	- S SF	SPACE SPACE SPACE
19 SPACE 21 SPACE 23 SPACE	S - S - S -	- A - B	-	- S SPACE	20 19 SPACE 22 21 SPACE 24 23 SPACE	S S		B -	- S		19 SPACE 21 SPACE 23 SPACE	3 S 0	- · ·	A - B -	- S SF	SPACE SPACE SPACE
25 SPACE	S -	- C - A	-	- S SPACE - S SPACE	26 25 SPACE	S S	· · ·	A -	- S - S	SPACE 26	25 SPACE	S S		C - A -	- S SF	SPACE SPACE SPACE
27 SPACE 29 SPACE 31 SPACE	S - S -	- B - C	-	- S SPACE - S SPACE	28 27 SPACE 30 29 SPACE 32 31 SPACE	S S		C -	- S	SPACE 28 SPACE 30 SPACE 32	27 SPACE 29 SPACE 31 SPACE	S S		B -	- S SF	SPACE
31 SPACE 33 SPACE	S - S -	- A - B	-	- S SPACE - S SPACE	32 31 SPACE 34 33 SPACE 26 25 SPACE	S S	· · ·	A	- S		31 SPACE 33 SPACE	S S	· · ·	A - B -	- S SF	SPACE
35 SPACE 37 SPACE	S - S -	- C - A	-	- S SPACE - S SPACE	36 35 SPACE 38 37 SPACE	S S	· ·	A -	- S - S	SPACE 38	35 SPACE 37 SPACE	S S	· ·	C -	- S SF	SPACE SPACE
39 SPACE 41 SPACE	S - S -	- В - С	-	- S SPACE - S SPACE	40 39 SPACE 42 41 SPACE	S S	· · ·	В - С -	- S	SPACE 40 SPACE 42	39 SPACE 41 SPACE	S S	· ·	В - С -		SPACE SPACE
PHASE LOAD PHASE A=_	KVA PHASE B=	1 1 1		KVA	PHASE LOAD		PHASE B=	KVA PHASE C=	KVA		PHASE LOAD PHAS			KVA PHASE C=	KVA	
PANEL (N)MDP-B	DED HEAT KITCH	LTS		P	AL LOADS LOAD TYPE /A AMP PANEL (N)113-CRDP		r KITCH LTS	MTR		ITR LRG MTR TOTAL LOADS	PANEL (N)113-LNDP-B14B		ITCH LTS	MTR	RCPT WTR HTR LF	
PANEL 113-CRDP-B141B PANEL 113-NDP-B14B	55.00 60.00	0.99 0.17		7.20 4.16 96.97 k 2.70 62.87 k	/A 174.51 AMP PANEL 113-CR-1	69 40.00	0.10	12.48 12.98	1.44 4.32	4.16 19.02 KVA 52.81 AMP 4.16 57.98 KVA 160.93 AMP	PANEL 113-LN-169	5.00 40.00	0.17		0.18	<u> </u>
CONNECTED LOAD CALCULATED LOAD	115.00 115.00	1.16 1.45		9.90 4.16 159.84 k 9.90 1.04 161.17 k	A 447.36 AMP CONNECTED LO	AD 55.00	0.21	8.32 33.78	1.44 7.20	4.16 19.97 KVA 55.43 AMP 4.16 96.97 KVA 269.16 AMP	PANEL 113-LN-216 CONNECTED LOAD	15.00 60.00	0.17		2.70	15.0 62.3
	FEED EXISTING RELOCATED LOAD.	MATCH EXISTING TYPE ANI	ID MANUFACTURER.		CALCULATED LC NOTES: <u>NEW WO</u>	ORK IN BOLD	1.24	33.78	7.20	1.04 98.26 KVA 272.73 AMP	CALCULATED LOAD		0.21		2.70	62.
2. EXISTING LOAD						DE NEW BREAKER TO FEED EXISTIN ING LOAD	G RELOCATED LOAD. MATCH EXIS	STING TYPE AND MANUFACTURE	ER.		<u>1. PROVIDE NEW BF</u> 2. EXISTING LOAD	REAKER TO FEED EXISTING RELC	DCATED LOAD. MATCH EX	ISTING TYPE AND MANUFA	CTURER.	
208/120 VOLT 3 PHASE		PANEL	100 AMP BUS RAT		208/120 VOLT 3 PHASE	E 4 WIRE	PANEL 2	200 AMP BUS RATING 2	200 AMP MAIN BREA	AKER 208/120 VOLT 3 PHAS	E 4 WIRE	PANEL	100 AMP BUS RATING	6 100 AMP MAIN B		
OCATION: SUPF SERVING:	LIED BY: 113-CRDP-B14B (N)	113-CR-B01	SCCR: 22,000 A FEED: TOP	AFC: MOUNTING: SURFACE	LOCATION: SU	E 4 WIRE		SCCR: 22,000 A	AFC:	LOCATION: S	GUPPLIED BY: 113-CRDP-B14B		SCCR: 22,000 A	AFC:		
CKT LOAD 1 RK-B01-1A (1)	TYPE KVA A/P D 5.000 20/3	PHASE A/P A 20/1	KVA TYPE	RM B01 REC (1) 2				FEED: TOP MOU	UNTING: SURFACE	SERVING:		A/P PHASE A/P	FEED: TOP	MOUNTING: SURFA	CE	
3 - 5 -	· · · ·	B 20/1 C 20/1	0.720 R	RM B01 REC (1) 4	1 ZP-TCS103-1A (1) 3 -	D 15.000 60/		10.000 D RK-169-1A (1)		2 1 RM 216 LIGHTS (1) 4 3 RM 216 REC (1)	L 0.208 2	A/P PHASE A/P 20/1 A 20/1 20/1 B 25/2		ARE (1)	2	
7 113-CU-1 (1) 9 -	M 4.160 25/2	A 25/2 B -		113-CU-6 (1) 8 - 10	5 - 7 113-CU-2 (1)		C - 2 A 20/3	 5.000 D RK-TCS103-1	1A (1)	6 5 RM 216 REC (1) 8 7 RK-216-1A (1)	R 0.720 2	20/1 C - 30/3 A 20/1		ARE (1)	6	
3 - 11 113-CU-4 (1) 13 -	M 4.160 25/2	C 20/1 A 20/1		SPARE (1) 12	9 - 11 RM 169 REC (1)	IVI 4.160 25/ - - - - R 0.720 20/	В -			0 7 INC210-1A (1) 10 9 - 12 11 -		- B 20/1 - C 25/2		ARE (1)	10	
13 - 15 SPARE (1) 17 SPARE (1)	S - 20/1 S - 20/1	A 20/1 B 20/1 C -	- S	SPARE (1) 16	11 RM 169 REC (1) 13 RM 169 REC (1) 15 RM TCS103 REC (1)	R 0.720 20/ R 0.720 20/ R 0.720 20/	1 A 30/3 1	 10.000 D RK-187A-1A ((1)	12 11 - 14 13 SPARE (1) 16 15 SPARE (1)	<u> </u>	- <u> </u>	4.160 M 113		14	
19 SPARE (1)	S - 20/1	A -	- S	SPACE 20	17 RM TCS103 REC (1)	R 0.720 20/	'1 C -			18 17 SPARE (1)	S - 2	20/1 C -	- S SP	ACE		
21 SPACE 23 SPACE	S S	р - С -	- S	SPACE 24	19 RM 187A REC (1) 21 RM 187A REC (1) 23 RM 169 LIGHTS (1)	R 0.720 20/ R 0.720 20/	1 B 25/2	0.500 M 113-PU-1 (1) 4.160 M 113-OU-4A (1)		20 19 SPACE 22 21 SPACE 24 23 SPACE	S -	- A - - B -	- S SP, - S SP,	ACE	20 22	
25 SPACE 27 SPACE	s s	A - B -	- S	SPACE26SPACE28	23 RM 169 LIGHTS (1) 25 RM TCS103 LIGHTS (1)	L 0.312 20/ L 0.208 20/	1 A 25/2	 4.160 M 113-OU-4B (1)	1)	24 23 SPACE 26 25 SPACE	S - 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	- C -	- S SP. - S SP.	ACE	24	
29 SPACE 31 SPACE	S S	C - A -	- S	SPACE 32	27 RM 187A LIGHTS (1) 29 SPARE (1)	L 0.156 20/ S - 20/	'1 C 20/1	 - S SPARE (1)		28 27 SPACE 30 29 SPACE	S	- B - - C -	- S SP	ACE	28 30	
33 SPACE 35 SPACE	S S	B - C -	- S	SPACE34SPACE36	31 SPARE (1) 33 SPARE (1)	S - 20/ S - 20/	1 A 20/1 1 B 20/1	- S SPARE (1) - S SPARE (1)		32 31 SPACE 34 33 SPACE	S - S -	- A - - B -	- S SP. - S SP.	ACE	<u> </u>	
37 SPACE 39 SPACE	S S	A - B -		SPACE 38 SPACE 40	35 SPACE 37 SPACE	S - - S - - -	C - A -	- S SPACE - S SPACE		36 35 SPACE 38 37 SPACE	S - S -	- C - - A -	- S SP. - S SP.		36 38	
41 SPACE					39SPACE41SPACE	S S	B - C -	- S SPACE - S SPACE		40 39 SPACE 42 41 SPACE	S - S -	- B - - C -	- S SP. - S SP.		40 42	
PHASE LOAD PHASE A= <u>8.63</u> LOAD TYPE APPL	A PHASE B= 6.55 HEAT KITCH LTS	_KVA PHASE C= MTR	<u>3.85</u> KVA RCPT WTR HTF	LRG MTR TOTAL LOADS	PHASE LOAD PHASE A= 19.64	4_KVA PHASE B=21.1	17_KVA PHASE C=	<u>17.17</u> KVA		PHASE LOAD PHASE A= <u>5.6</u>	2KVA PHASE B=6	5.13 KVA PHASE C=	8.21KVA			
CONNECTED LOAD5.00CALCULATED LOAD5.00	0.10	12.48 12.48	1.44 1.44	4.16 19.02 KVA 52.81 AM 1.04 20.09 KVA 55.76 AM		HEAT KITCH LT 0 0.6		RCPT WTR HTR LRG MTR 4.32 4.16	TOTAL LOADS 57.98 KVA 160.			LTS MTR 0.21 8.32	RCPT WTR HTR LR 1.44	G MTR TOTAL LO/ 4.16 19.97 KVA		
NOTES: <u>NEW WORK IN BOLD</u> 1. PROVIDE NEW BRANCH BRE	AKER. SIZE AS INDICATED ON THIS	SCHEDULE.			CALCULATED LOAD 40.00 NOTES: NEW WORK IN BOLD			4.32 1.04	59.19 KVA 164.			0.26 8.32	1.44	1.04 21.06 KVA		
						% RATED MAIN BREAKER. SIZE AS IN BREAKER. SIZE AS INDICATED ON TI				<u>1. PROVIDE NEW BRANCH</u>	I BREAKER. SIZE AS INDICATED ON	THIS SCHEDULE.				
208/120 VOLT 3 PH	ASE 4 WIRE	PANEL	100 AMP B	JS RATING 100 AMP MAIN BRE/	KER 208/120 VOLT 3	PHASE 4 WIRE	PANEL	200 AMP BUS RATING	200 AMP MAIN	N BREAKER 208/120 VOLT :	3PHASE 4 WIRE	PANEL	100 AMP BUS		IP MAIN BREAKER	
OCATION:		(N)113-LN-B	01 SCCR: 22	2,000 A AFC:	LOCATION: RM 169	SUPPLIED BY: 113-LNDP-B14		SCCR: 22,000 A	AFC:	LOCATION:	3PHASE 4 WIRE SUPPLIED BY: 113-LNDP-B		16 SCCR: 22,0	DOD A AFC	c:	
SERVING:		A/P PHASE A/P	FEED: TO		SERVING: TR EQUIPMENT CKT LOAD	TYPE KVA	A/P PHASE A/P	FEED: TOP	MOUNTING: SURI	RFACE SERVING: CKT CKT LOAD	TYPE KVA	A/P PHASE A	FEED: TOF		G:SURFACE	
1 RK-B01-1B (1) 3 -		20/3 A 20/1 - B 20/1	1 -	S SPARE (1) S SPARE (1)	2 1 113-RECP-1 (1) 4 3 113-RECP-2 (1)	R 0.180	20/1 A 20/1 20/1 B 20/1	0.180 R 113-R		2 1 ZP-169-1A (1) 4 3 -	D 15.000	- B 20	/1 -	S SPARE (1) S SPARE (1)	2	
5 - 7 113-RECP-4 (1)	 R 0.180	- C 20/1 20/1 A -		S SPARE (1) S SPACE	6 5 RK-TCS-103-1B (1) 8 7 -	D 5.000	20/3 C 30/3		69-1B (1)	6 5 - 8 7 SPARE (1)	 S -	- C 20 20/1 A -	/1 -	S SPARE (1) S SPACE	6	
9 SPARE (1) 11 SPARE (1)	S -	20/1 A - 20/1 B - 20/1 C -		S SPACE	10 9 -		- A - - B - 30/3 C 60/3		CS103-1B /1)	10 9 SPARE (1)	<u> </u>	20/1 B -	-	S SPACE		
13 SPARE (1)	S -	20/1 A -		S SPACE S SPACE	12 11 RK-187A-1B (1) 14 13 - 16 15 -	D 10.000	- A -	15.000 D ZP-TC		12 11 SPARE (1) 14 13 SPACE 16 15 SPACE	3 - S -	20/1 C -	-	S SPACE S SPACE S SPACE	12	
15 SPACE 17 SPACE	S -	- B - - C -		S SPACE S SPACE	16 15 - 18 17 RM 192 REC (1)	 R 0.900	- B - 20/1 C 20/1	 - S SPAR	()	16 15 SPACE 18 17 SPACE	S - S -	- B -	-	S SPACE S SPACE	16 18	
19 SPACE 21 SPACE		- A - - B -		S SPACE S SPACE	20 19 RM 192A REC (1) 22 21 RM 192/192A LIGHTS (1)	R 0.900 L 0.172	20/1 A 20/1 20/1 B 20/1	- S SPAR - S SPAR	RE (1)	20 19 SPACE 22 21 SPACE	S - S -	- A -	-	S SPACE S SPACE	20 22	
23 SPACE 25 SPACE		- C -		S SPACE S SPACE	24 23 SPARE (1) 26 25 SPARE (1)	S - S -	20/1 C - 20/1 A -	- S SPAC - S SPAC	CE	24 23 SPACE 26 25 SPACE	S - S -	- C -	-	S SPACE S SPACE	24 26	
27 SPACE 29 SPACE	S -	- B - - C -		S SPACE S SPACE	28 27 SPARE (1) 30 29 SPACE	S - S -	20/1 B - - C -	- S SPAC - S SPAC	CE	28 27 SPACE 30 29 SPACE	S - S -	- B -	-	S SPACE S SPACE	28 30	
31 SPACE 33 SPACE		- A - - B -	-	S SPACE S SPACE	32 31 SPACE 34 33 SPACE	S - S -	- A - - B -	- S SPAC - S SPAC	CE	32 31 SPACE 34 33 SPACE	S - S -	- A -	-	S SPACE S SPACE	32 34	
35 SPACE 37 SPACE	S - S -	- C - - A -	-	S SPACE S SPACE	36 35 SPACE 38 37 SPACE	S - S -	- C -	- S SPAC - S SPAC		36 35 SPACE 38 37 SPACE	S - S -	- C -	-	S SPACE S SPACE	36	
39 SPACE 41 SPACE		- B - - C -	-	S SPACE S SPACE	40 39 SPACE 42 41 SPACE	S - S -	- B - - C -	- S SPAC	CE	40 39 SPACE 42 41 SPACE	S - S -	- B -	-	S SPACE S SPACE	40	
	.85KVA PHASE B=	1.67 KVA PHASE C=			PHASE LOAD PHASE A=		<u>13.86</u> KVA PHASE C=	KVA		PHASE LOAD PHASE A	= <u>5.00</u> KVA PHASE B=	<u>5.00</u> KVA PHASE C=				
	ED HEAT KITCH	LTS MTR	R RCPT W 0.18	TR HTR LRG MTR TOTAL LOADS	LOAD TYPE APPL 38 AMP CONNECTED LOAD	DED HEAT KITCH 40.00	LTS MTR 0.17	RCPT WTR HTR LRG M 2.52		LOADS LOAD TYPE APPL 118.50 AMP CONNECTED LOAD	DED HEAT KITCH 15.00	LTS MT	R RCPT WTF		TOTAL LOADS 00 KVA 41.64 AMP	
	.00		0.18		38 AMP CONNECTED LOAD 38 AMP CALCULATED LOAD NOTES: NEW WORK IN BOL	40.00	0.17	2.52		118.62 AMP CONNECTED LOAD NOTES: NEW WORK IN BO	15.00				00 KVA 41.64 AMP	
	AKER. SIZE AS INDICATED ON THIS	SCHEDULE.				D RANCH BREAKER. SIZE AS INDICATE	D ON THIS SCHEDULE.				LD IRANCH BREAKER. SIZE AS INDICAT	TED ON THIS SCHEDULE.				
Revisions:			Date:	CONSULTANT		ARCHITECT/E	NGINEER OF REC	CORD STAM	/IP	OFFICE OF			PHAS	E % CONSTRUCTI		PROJECT TITL EHRM IN
				ELECTRICAL ENGINEER		<u>A/E</u>				CONSTRUCTION	BUILDING 113 EL	EUTICAL PANEL			U 11	
1				GDM 1308 NE 134TH ST SUITE A		GDM 1308 NE 134TH ST SUITE A		A A A A A A A A A A A A A A A A A A A	EDWARD		SCHEDULES					
				VANCOUVER, WA 98685		VANCOUVER, WA 98685			Little		APPROVED: Project Director		FLS			LOCATION FORT M
				541.436.4723		541.436.4723	ARCHITECTS		10700 /0.		— — — — —		Fl	JLLY SPRIN	KLERED	ISSUE DATE
							ARCHITECTS		49709 RECISTERED IN ISSIONAL ENGINE	WANAGEWIEN I VA U.S. Department of Veterans Affairs	FOR OFFICIA	L USE ONLY (F		JLLY SPRIN	KLERED	

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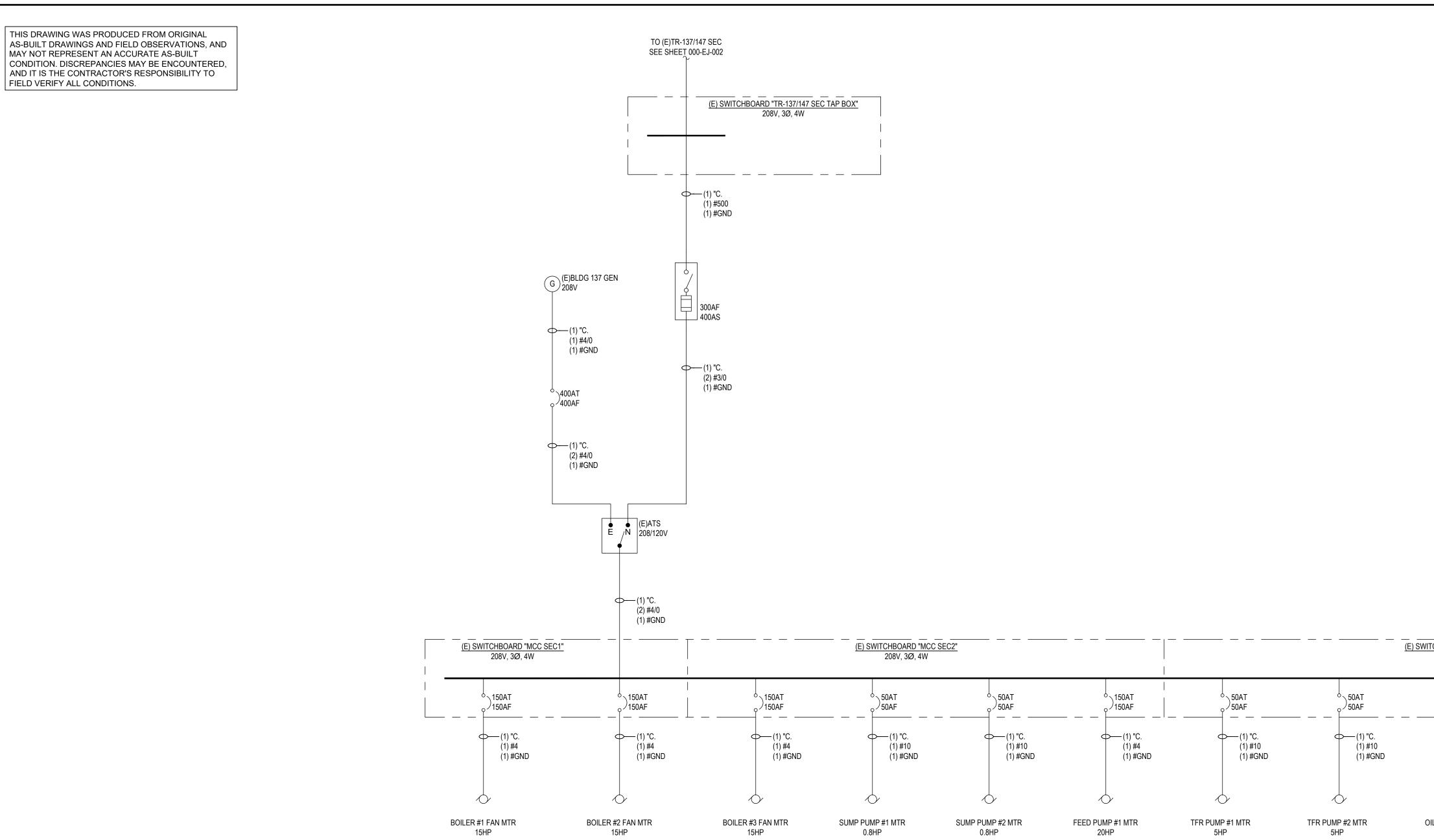
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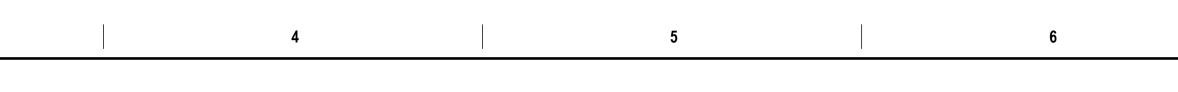
2	08/120 VOLT	3	PHASE	4	WIRE		PAN	IEL	225 AM	MAIN LUC	GS ONLY		
LOC	ATION: BOILER	ROOM	SUP	PLIED BY	:		(E)13	37-B	SCCR: EXISTING FEED: TOP		3	AFC: MOUNTING: S	
SEF	RVING: BUILDI	NG 137					(—)				М		
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	
1							Α						
3							В	20/2	-	D	EXISTING I	_OAD (2)	
5	RK-104-1A (1)			D	1.440	30/1	C	-	-	-	-		
7	RK-104-1B (1)			D	1.440	30/1	Α	-	-	S	SPACE		
9	137-CU-1 (1)			М	4.160	25/2	В	-	-	S	SPACE		
11	-			-	-	-	С	50/2	-	D	EXISTING I	_OAD (2)	
13	137-RECP-1 (1)			R	0.180	20/1	Α	-	-	-	-		
15	SPACE			D	-	20/1	В	20/1	-		EXISTING I	. ,	
17	SPACE			D	-	20/1	С	30/1	-	D	EXISTING I	_OAD (2)	
19	SPACE			D	-	15/1	Α	20/1	-	D	EXISTING I	_OAD (2)	
21	SPACE			D	-	15/1	В	20/1	-	D	EXISTING I	_OAD (2)	
23	SPACE			D	-	20/1	С	20/1	-	D	EXISTING I	_OAD (2)	
25	EXISTING LOAD	(2)		D	-	20/2	Α	20/1	-	D	EXISTING I	_OAD (2)	
27	-			-	-	-	В	20/1	-	-	-		
29	EXISTING LOAD) (2)		D	-	20/3	С	20/1	1.602	М	110-CU-1 (1)	
31	-			-	-	-	Α	20/1	-	-	-		
33	-			- 1	-	-	В	20/3	2.880	D	RK-102-1A	(1)	
35	EXISTING LOAD	(2)		D	-	20/3	С	-		-	-		
37	-			1 -	-	-	Α	-		-	-		
39	-			1 -	-	-	В						
41							С						
Р	HASE LOAD	PHASE A=	#VALUE!	_KVA	PHASE B=	#VALUE	<u>.</u> KVA	PHASE C=	#VALUE!	_KVA	1		
	LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	LRG MTR	тот	
CON	INECTED LOAD		5.76					5.76	0.18		4.16	11.70 K	
CAL	CULATED LOAD		5.76					5.76	0.18		1.04	12.74 K	
	NOTES: <u>NEW WO</u>	ORK IN BOL	D										
	<u>1. PR</u> OV	IDE NEW BI	REAKER. S	IZE AS INI	DICATED ON TH	HIS SCHED	ULE. MATC	CH EXISTING TY	PE AND MAN	UFACTURE	R.		
	2. EXIST	ING LOAD											

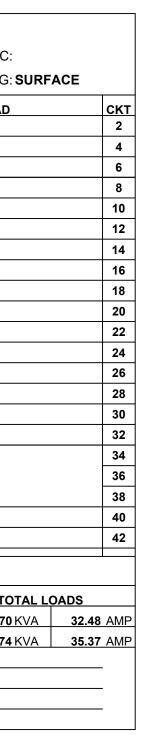
Revisions:	Date:	
		ELECTRICAL ENGINEER
		GDM
		1308 NE 134TH ST SUITE A
		VANCOUVER, WA 98685
		541.436.4723
		MICHAEL REBSTOCK, PE

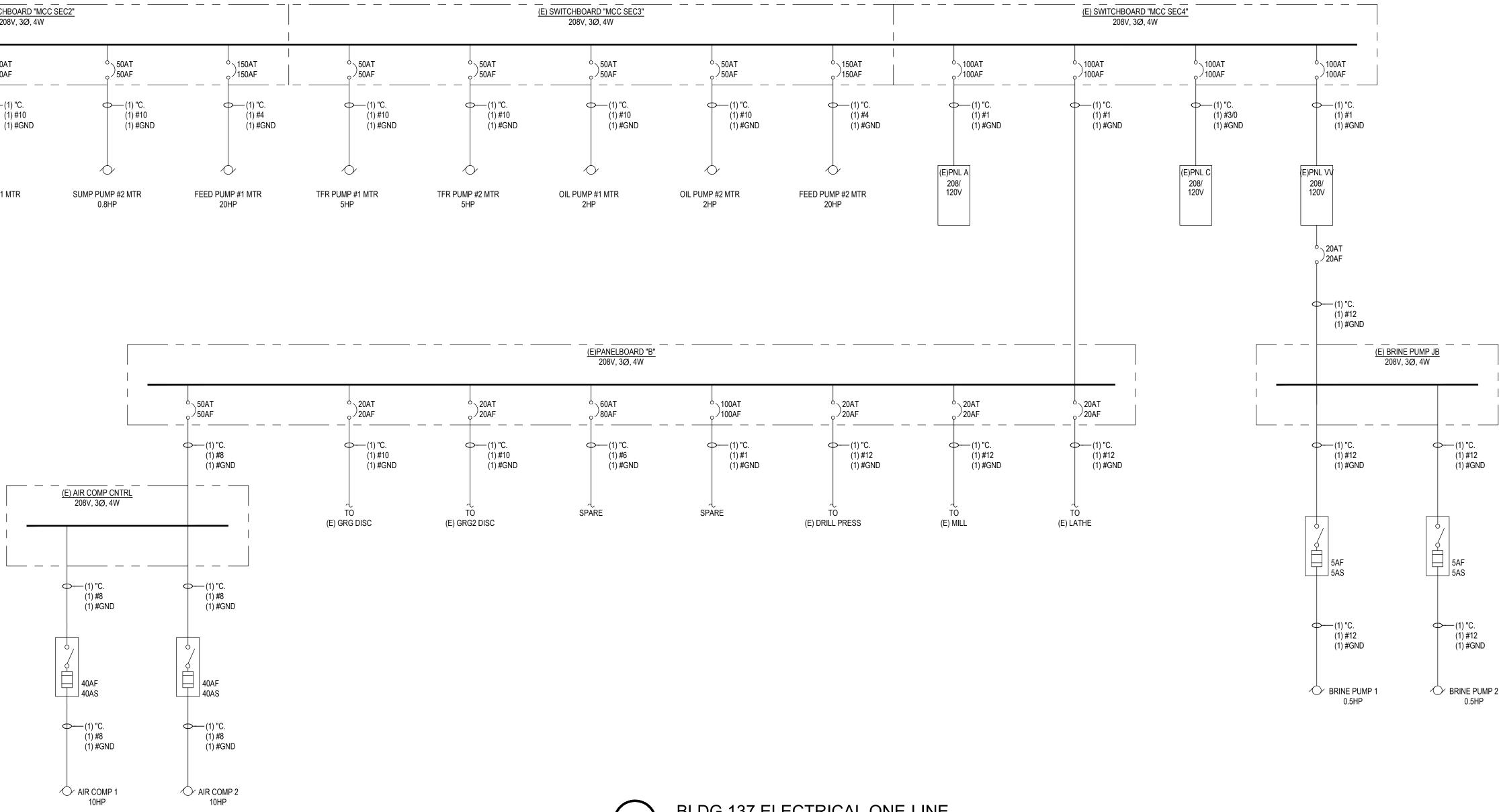
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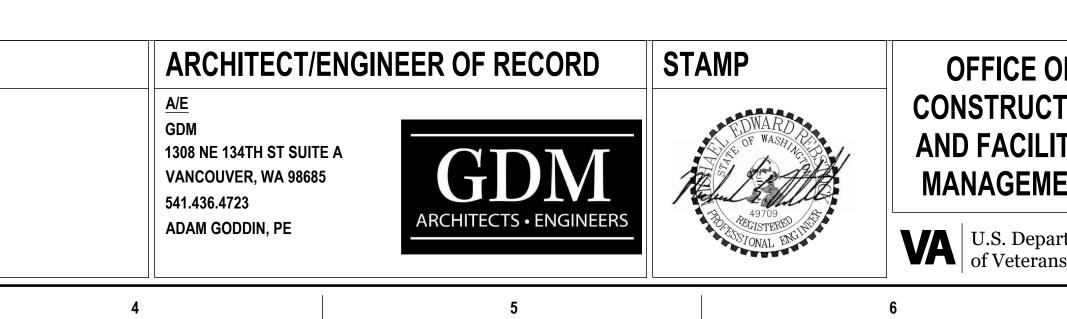
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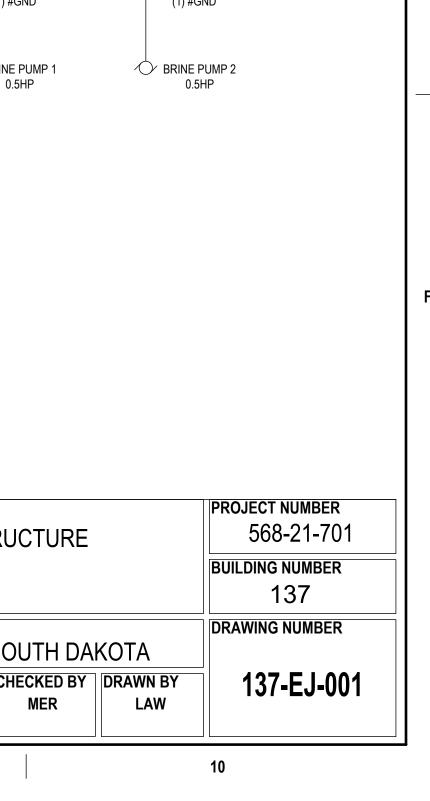






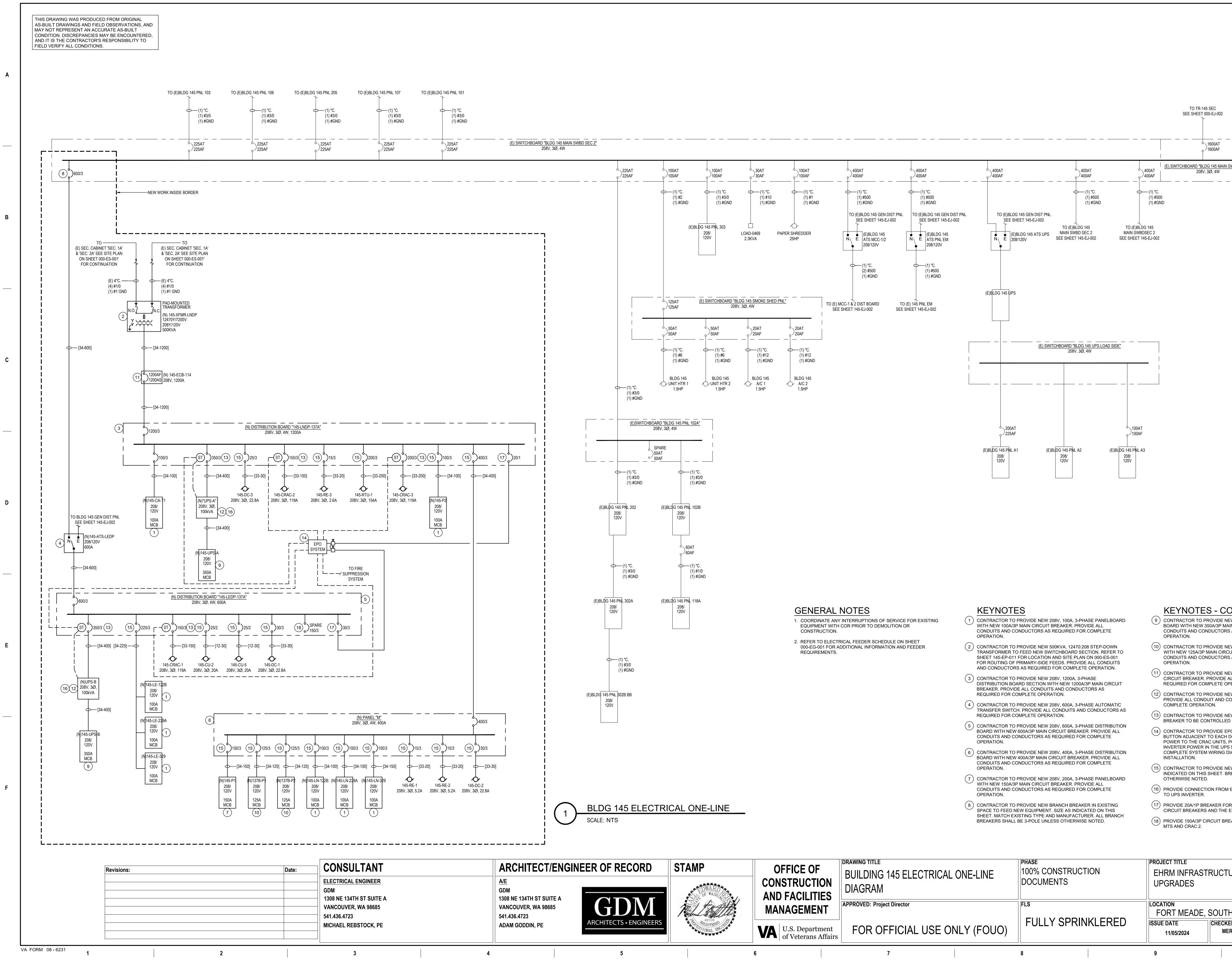
ICE OF RUCTION ACILITIES	BUILDING 137 ELECTRICAL ONE-LINE & PANEL SCHEDULES	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES		
GEMENT	APPROVED: Project Director	FLS	FORT MEADE, SOUT		
S. Department Veterans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECKE	
	7	8	9		

BLDG 137 ELECTRICAL ONE-LINE SCALE: NTS



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- (10) CONTRACTOR TO PROVIDE NE WITH NEW 125A/3P MAIN CIRCU
- (11) CONTRACTOR TO PROVIDE NE CIRCUIT BREAKER. PROVIDE A
- (12) CONTRACTOR TO PROVIDE NE PROVIDE ALL CONDUIT AND C
- (13) CONTRACTOR TO PROVIDE NE
- ['] BUTTON ADJACENT TO EACH D POWER TO THE CRAC UNITS, F INVERTER POWER IN THE UPS
- (15) CONTRACTOR TO PROVIDE NE INDICATED ON THIS SHEET. BR

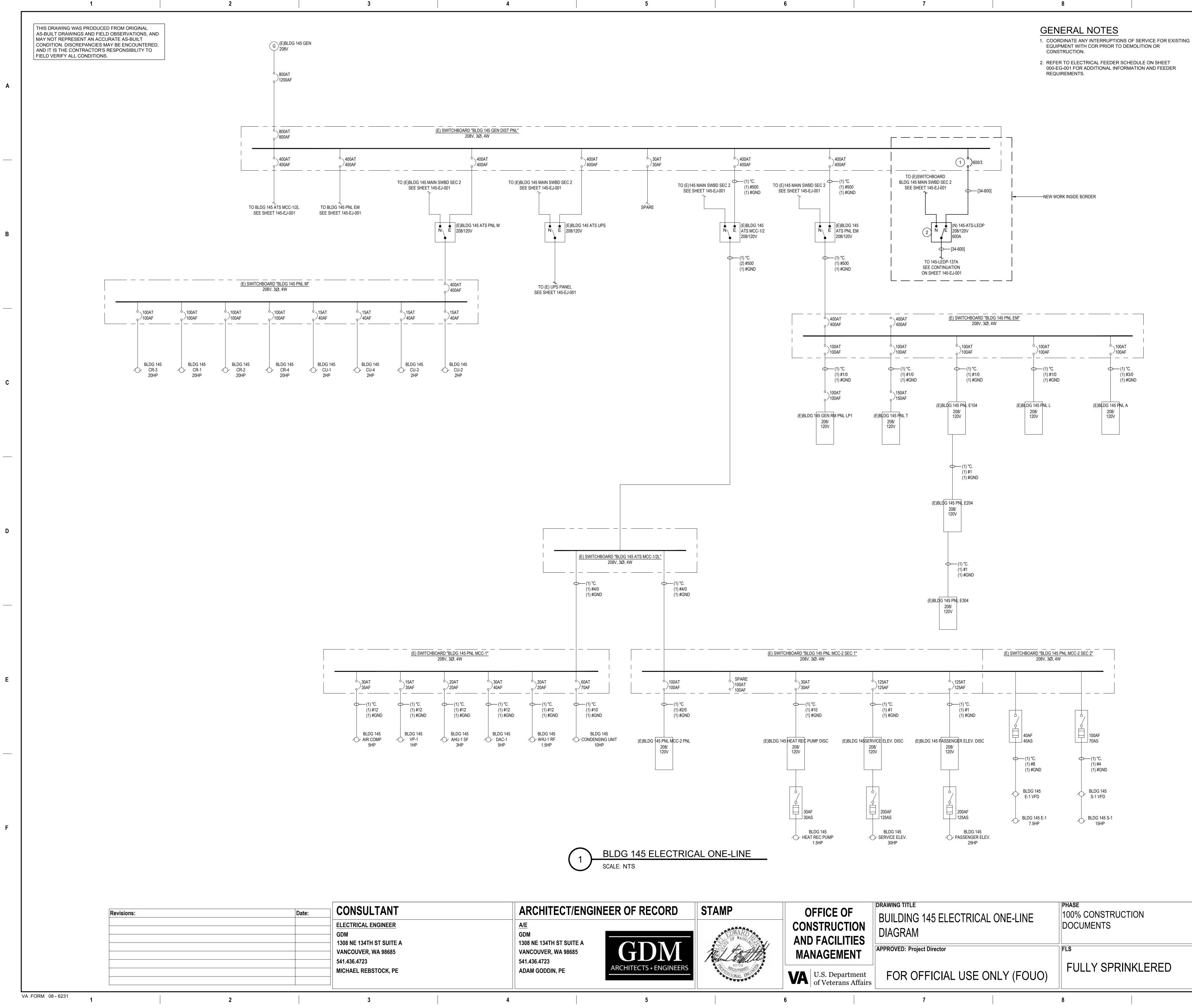
OF CTION LITIES	DRAWING TITLE BUILDING 145 ELECTRICAL ONE-LINE DIAGRAM	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAST UPGRADES	RUCTU
MENT	APPROVED: Project Director	FLS	FORT MEADE, 3	SOUTH
partment cans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECKED MER
	7	8	9	

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ONT.		
IEW 208V, 400A, 3-PHASE D AIN CIRCUIT BREAKER. PR S AS REQUIRED FOR COM	OVIDE ALL	
IEW 208V, 150A, 3-PHASE P CUIT BREAKER. PROVIDE A S AS REQUIRED FOR COM	\LL	E
IEW 208V, 1200A RATED EN ALL CONDUITS AND COND IPERATION.		
IEW 100KVA MODULAR UPS CONDUCTORS AS REQUIRE		
IEW 350A/3P SHUNT-TRIP (D BY NEW EPO SYSTEM.	CIRCUIT	
PO SYSTEM TO INCLUDE A DOOR, WHICH SHALL TUR POWER TO THE UPS', ANE S SYSTEMS. CONTRACTOF DIAGRAM FOR APPROVAL	N OFF) DISABLE R TO SUBMIT	
IEW BRANCH BREAKER. SI REAKERS SHALL BE 3-POL		
I EPO SYSTEM TO DISABLE	E DC POWER	F
DR 120V POWER TO THE SI EPO SYSTEM.	HUNT-TRIP	
EAKER FOR FUTURE CON	NECTION TO	
URE	PROJECT NUMBER 568-21-701	
ONE	BUILDING NUMBER	
	DRAWING NUMBER	
H DAKOTA ED BY ER LAW	145-EJ-001	
	10	J

SWBD SEC 1"	

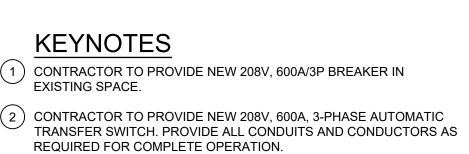
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E OF ICTION ILITIES	DRAWING TITLE BUILDING 145 ELECTRICAL ONE-LINE DIAGRAM	PHASE 100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRU	ICTU
MENT epartment rans Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FLS FULLY SPRINKLERED	LOCATION FORT MEADE, SO ISSUE DATE 11/05/2024	UTH Eckei Mer
	7	8	9	

2. REFER TO ELECTRICAL FEEDER SCHEDULE ON SHEET 000-EG-001 FOR ADDITIONAL INFORMATION AND FEEDER



ED BY ER	DRAWN BY LAW	145-EJ-002
H DA	KOTA	DRAWING NUMBER
		BUILDING NUMBER 145
URE		PROJECT NUMBER 568-21-701

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(1) CONTRACTOR TO PROVIDE NEW 208V, 600A/3P BREAKER IN (2) CONTRACTOR TO PROVIDE NEW 208V, 600A, 3-PHASE AUTOMATIC

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 | NECH
 | ATS-LEDP (N)14
 | 45-LEDP- | 137A
 | ,
 | AFC:
TING: SURFACE
 | LOCATION: 137A
SERVING: PANELS, UP
 | | SUPPLIED BY: 145-
 | •XFMR-LNDP (N)
 |)145-LNDP | -137A
 | SCCR: 22,00
FEED: TOP | DA AFC:
MOUNTING: SURFACE | LOCATIO | N: 122B
G: TR EQUIPME | SUPPLIED BY: PNL
 | · M (N)1 | 145-LN-12 | SCCR: 22,000 A
FEED: TOP | AFC:
MOUNTING: SUR | | |

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 | KVA TYPE L(00.00 D UPS-B (3)
 | LOAD CKT
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 | 1 145-CRAC-2 (3)
 | OAD | M
-
 | KVA A
42.871 15
-
 | A/P PHASE
150/3 A
- B | A/P
350/3
-
 | KVA TY
100 [| E LOAD
UPS-A (3)
- | CKT CKT 2 1 RK-1 4 3 - | LOAD
22B-1B (1) |
 | KVA A/P 10.000 30/3 - - | | 1 0.720 R | LOAD
RM 122B REC (1)
RM 122B REC (1) | | |
| 145-CU-2 (1)
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8 7 145-0 | CU-1 (1) |
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LTG RM 122B (1) | | |
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 | E A= <u>107.16</u> KVA PHAS
 |
 | KVA Pha s |
 | 92.81 KVA
 |
 | PHASE LOAD
 | PHASE A= <u>105</u> | I
 |
 | 97.10 KVA PH |
 | KVA | | | | E A= <u>6.34 </u> KVA PHA
 | | | | | | |
| PANEL (N)145-LEDP-137A
 | 100.00
 | KITCH LTS
 | | MTR RC 59.40
 |
 | TOTAL LOADS 159.40 KVA 442.46 AMP
 | LOAD TYPE
PANEL (N)145-LNDP-137/
 | | 0.00
 | KITCH L
 | <u>.TS</u> | MTR
151.31
 | RCPT WTR | 55.48 251.31 KVA 697.57 | | | PL DED HEAT 10.00
 | KITCH LTS 0.21 | 4.1 | | 4.16 15.99 KVA | | |
| PANEL 145-LE-122B
PANEL 145-LE-122B
 | 10.00
10.00
 |
 | | 10.61
0.50
 |
 | 20.61KVA 57.20 AMP 10.50 KVA 29.15 AMP
 | PANEL M
PANEL 145-P2
 | 72. | 2.00
 |
 | 0.97
3.99 | 38.32
 | 26.16
10.80 | 8.30 137.45 KVA 381.52 14.79 KVA 41.05 | | TED LOAD
S: <u>NEW WORK IN</u> | 10.00 BOLD
 | 0.26 | 4.1 | 6 1.62 | 1.04 17.08 KVA | | |
| PANEL 145-LE-329
CONNECTED LOAD
 | 10.00
130.00
 |
 | | 0.50
 |
 | 10.50 KVA 29.15 AMP 201.01 KVA 557.95 AMP
 | CONNECTED LOAD
 | | 2.00
 |
 | 4.96
6.19 | <u>189.63</u>
189.63
 | 36.96
23.48 | 55.48 403.55 KVA 1,120.14 13.87 405.18 KVA 1,124.66 | | | <u>200% RATED NEUTRAL.</u>
W BREAKER. SIZE AS INDICAT
 | FED ON THIS SCHEDU | JLE. | | | | |
| CALCULATED LOAD NOTES: NEW WORK IN BOLD
 | 130.00
 |
 | | 71.01
 |
 | 211.73 KVA 587.70 AMP
 | NOTES: <u>NEW WORK IN</u>
 | N BOLD | E AS INDICATED ON T
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| 1. PROVIDE NEW BREAK
 | ER. SIZE AS INDICATED ON TH
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 | AS INDICATED ON | HIS SCHEDULE.
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 | 2. PROVIDE N
 | IEW 100% RATED MA | IAIN CIRCUIT BREAKE
 | KER IN THIS PANEL. SIZI
 | | HIS SCHEDULE
 | <u>.</u> | | | |
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| 3. PROVIDE NEW SHUNT
 | T-TRIP BREAKER. SIZE AS INDI
 | CATED ON THIS SCHED
 | <u>/ULE.</u> |
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| 208/120 VOLT 3 PHAS
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 |
 | | 100 AMP BUS RAT
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 | |
 | PANEL
 | 225 AMP BUS F |
 | 225 AMP MAIN | | | 4 WIRE | PANEL
 | | BUS RATING | 100 AMP MAIN BREAKER | | | |
| CATION: 122B
ERVING: TR EQUIPMENT
 | SUPPLIED BY: 145-LEDP-137
 | ^{87A} (N)145-LE
 | 122B | SCCR: 22,000 A
FEED: TOP
 | A AFC:
MOUNTING: SURFACE
 | E LOCATION: 229
SERVING: TR
 |
 | PLIED BY: PNL M | (N)1∕
 | 45-LN-229A
 | SCCR: 22,000
FEED: TOP |
 | AFC:
OUNTING: SURF | ACE LOCATION: 229A
SERVING: TR EQUIPMENT | SUPPLIED B | Y: 145-LE-122B | (N)145-LE-22
 | 29A SCCR: 2
FEED: 1 | 22,000 A
TOP M | AFC:
IOUNTING: SURFACE | | | |
| T LOAD
RK-122B-1A (1)
 | TYPE KVA D 10.000
 | A/P PHASE
30/3 A
 | | KVA TYPE
3.536 M
 | LOAD 145-OU-6 (1)
 | CKT CKT
2 1 RK-229A-11
 | LOAD
B (1)
 | TYPE KV
D 10.0 |
 | PHASE A/P
A 20/1
 | <u>KVA</u> TYP
0.720 R | E
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 | LOAD
EC (1) | CKT CKT LOAD 2 1 RK-229A-1A (1) | TYPE
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 | <u>.87 KVA PHASE B=</u>
 | <u>6.87</u> KVA PI
 | -
PHASE C= | <u>6.87</u> KVA
 |
 |
 | D PHASE A= <u>6.13</u>
 | _KVA PHASE E | B= <u>6.13</u> K
 | KVA PHASE C=
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 | | | = <u>3.83</u> KVA | PHASE B= | <u>3.33</u> KVA PHASE C=
 | := <u>3.33</u> k | | | 7 | | |
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0.13 | 10.50 KVA 29.15 AN 10.63 KVA 29.49 AN | | | |
| NOTES: <u>NEW WORK IN BOLD</u>
<u>PROVIDE WITH 200% RAT</u>
1. PROVIDE NEW BREAK
 | TED NEUTRAL.
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 | <u>PRC</u>
 | W WORK IN BOLD
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| 208/120 VOLT 3 PHAS
CATION: 329
 | SE 4 WIRE
SUPPLIED BY: PNL M
 | PANE
(N)145-L
 | | 225 AMP BUS RAT
SCCR: 22,000 A
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 | EAKER 208/120 VO
 |
 | 4 WIRE
PLIED BY: 145-LE- 2 |
 | PANEL
145-LE-329
 | 100 AMP BUS F
SCCR: 22,00 |
 | 100 AMP MAIN
AFC: | 3REAKER 208/120 VOLT LOCATION: 132 1000000000000000000000000000000000000 | 3 PHASE
SUPPLIED B | 4 WIRE
Y: UPS-A | PANEL
(N)145-UPS
 | | BUS RATING
22,000 A | 350 AMP MAIN BREAKER
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 | RM 329 REC (1)
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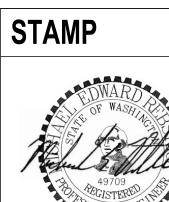
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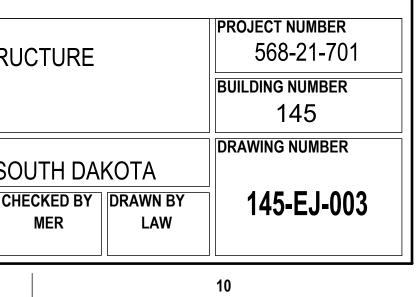


	JEHAOL	-			1 70			- D03 IVA I	ING		
	SUP	PLIED BY:	145-LE-122B	(N)1	45-L	.E-229A	SCCR	22,000 A		AFC:	
QUIPMENT				()			FEED	TOP	M	DUNTING: SURF	ACE
LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	СКТ
1)		D	10.000	30/3	A	20/1	0.500	м	DRAIN PUN	IP (1)	2
		-	-	-	В	-	-	S	SPACE		4
		-	-	-	С	-	-	S	SPACE		6
		S	-	-	Α	-	-	S	SPACE		8
		S	-	-	В	-	-	S	SPACE		10
		S	-	-	С	-	-	S	SPACE		12
		S	-	-	Α	-	-	S	SPACE		14
		S	-	-	В	-	-	S	SPACE		16
		S	-	-	С	-	-	S	SPACE		18
		S	-	-	Α	-	-	S	SPACE		20
		S	-	-	В	-	-	S	SPACE		22
		S	-	-	С	-	-	S	SPACE		24
		S	-	-	A	-	-	S	SPACE		26
		S	-	-	В	-	-	S	SPACE		28
		S	-	-	С	-	-	S	SPACE		30
		S	-	-	A	-	-	S	SPACE		32
		S	-	-	В	-	-	S	SPACE		34
		S	-	-	С	-	-	S	SPACE		36
		S	-	-	A	-	-	S	SPACE		38
		S	-	-	В	-	-	S	SPACE		40
		S	-	-	С	-	-	S	SPACE		42
		1									
PHASE A	A= <u>3.83</u>	_KVA	PHASE B=	3.33	_KVA	PHASE C=	3.33	_KVA			
APPL	DED	HEAT	кітсн	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LO	DADS
D	10.00					0.50			0.50	10.50 KVA	29.15 AMP
D	10.00					0.50			0.13	10.63 KVA	29.49 AMP

2	08/120 VOLT	3	PHASE	4	WIRE		PAN	NEL	100 AMF	BUS RAT	ING	100 AMP MAIN	BREAKER
LOCA	ATION: 122B		SUP	PLIED BY	PNL M	(N)1	45-L	.N-122B	SCCR	22,000 A		AFC:	
SEF	RVING: TR EQL	JIPMENT							FEED	: TOP	MC	UNTING: SURF	ACE
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	СК
1	RK-122B-1B (1)			D	10.000	30/3	Α	20/1	0.720	R	RM 122B RE	C (1)	2
3	-			-	-	-	В	20/1	0.720	R	RM 122B RE	C (1)	4
5	-			-	-	-	С	20/1	0.180	R	145-RECP-5		6
7	145-CU-1 (1)			м	4.160	25/2	Α	20/1	0.208	L	LTG RM 122	B (1)	8
9	-			-	-	-	В	20/1	-	S	SPARE (1)		10
11	SPARE (1)			S	-	20/1	С	20/1	-	S	SPARE (1)		12
13	SPARE (1)			S	-	20/1	Α	20/1	-	S	SPARE (1)		14
15	SPARE (1)			S	-	20/1	В	-	-	S	SPACE		16
17	SPACE			S	-	-	С	-	-	S	SPACE		18
19	SPACE			S	-	-	Α	-	-	S	SPACE		20
21	SPACE			S	-	-	В	-	-	S	SPACE		22
23	SPACE			S	-	-	С	-	-	S	SPACE		24
25	SPACE			S	-	-	Α	-	-	S	SPACE		26
27	SPACE			S	-	-	В	-	-	S	SPACE		28
29	SPACE			S	-	-	С	-	-	S	SPACE		30
31	SPACE			S	-	-	Α	-	-	S	SPACE		32
33	SPACE			S	-	-	В	-	-	S	SPACE		34
35	SPACE			S	-	-	С	-	-	S	SPACE		36
37	SPACE			S	-	-	Α	-	-	S	SPACE		38
39	SPACE			S	-	-	В	-	-	S	SPACE		40
41	SPACE			S	-	-	С	-	-	S	SPACE		42
P	HASE LOAD	PHASE A=_	6.34	_KVA	PHASE B=	6.13	_KVA	PHASE C=	3.51	_KVA	1		
L	OAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR		TOTAL LO	DADS
CON	NECTED LOAD		10.00			0.21		4.16	1.62		4.16	15.99 KVA	44.38 AM
CALC	ULATED LOAD		10.00			0.26		4.16	1.62		1.04	17.08 KVA	47.41 AM
N	NOTES: <u>NEW WO</u>		D										
	PROVID	E WITH 200%	6 RATED	NEUTRAL.									

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208/120 VOLT 3 PHASE LOCATION: 132 SUP SERVING: MCR	4 PLIED BY:	WIRE UPS-B	(N)	PANEL 145-UF	PS-B		BUS RATIN 22,000 A TOP		350 AMP MAIN AFC: DUNTING: SURF		LOCAT	/ 120 VOLT ION: 137A ING: PANEL		PHASE SUPF		WIRE 145-LNDP-137/	۵.	рал (N)			0 AMP B SCCR: 2 FEED: T			400 AMP MAIN F AFC: DUNTING: SURF		208/1 LOCATIC SERVIN		87A
CKT LOAD	TYPE	KVA	A/P	PHASE	A/P	KVA	ТҮРЕ		LOAD	скт	скт		LOAD		TYPE	KVA	A/P	PHASE	A	'P P	(VA	TYPE		LOAD	скт	СКТ		
1 BUS B-1 (2)		21.000	125/3	A	125/3	35.000		US B-2 (2)		2		7B-P1 (1)			P	26.898	125/3	A	12		5.619		37B-P2 (1)		2		SW ROC	
3 -	-	-	-	В	-	-				4	3 -				-	-	-	В	-		-	- -			4	3 E. S	SW ROC	OM R
5 -	-	-	-	С	-	-				6	5 -				-	-	-	С	-		-	- -			6	5 E.S	SW ROC	OM R
7 BUS B-3 (2)	D	35.000	125/3	A	-	-	S SI	PACE		8	7 14	5-RE-1 (1)			м	1.874	15/3	Α	30	/3 2	.330	M 1	45-CU-3 (1)	8	7 N.S	SW ROC	
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15 SPACE	s	-	-	в	-	-		PACE		16	15 -				-	-	-	В	-		-	S S	PACE		16	15 W. S	SW RO	
17 SPACE	s	-	-	c	-	-		PACE		18	17 -				-	-	-	С	-		-		PACE		18	17 W. S	SW RO	
19 SPACE	S	-	-	A	-	-		PACE		20	19 PA	NEL '145-LE	E-122B' (1)		Р	17.080	225/3	Α	-		-	S S	PACE		20	19 WA	ALL RE(C [FF
21 SPACE	S	-	-	в	-	-		PACE		22	21 -				-	-	-	В	-		-		PACE		22	21 WA		
23 SPACE	S	-			-	-		PACE		24	23 -				-	-			-		-		PACE		24	23 WA		
25 SPACE	S			A	_	-		PACE		26		NEL '145-LE	-229A' (1)		Р	16.770	225/3	A			-		PACE		26	25 WA		-
27 SPACE	S			B		_		PACE		28	27 -		(,			-		В			-		PACE		28	27 WA		
29 SPACE	S	-			-	-		PACE		30	29 -				_	_		с С			-		PACE		30	29 WA		-
31 SPACE	S S		-	A				PACE		32		NEL '145-LE	-329' (1)		P	17.195	225/3	۰ ۸					PACE		32	31 WA		
31 SPACE		-	+ -		-	-						I+J-LC	(1)			17.190	223/3		-		-		PACE		32	31 WA		
	S	-			•	-				34	33 -				-	-	-	B	-		-				34	┥┝──┥──		
35 SPACE	S	-	-		-	-				36	35 -	NEL '145-P1	(4)		-	-	-	C	-		-				36	35 SPA		
37 SPACE	S	-	-	A	-	-		PACE		38	-	NEL 145-P1	r (1)		Р	29.600	225/3	A _	-		-		PACE		38	37 SPA		
39 SPACE	S	-	-	В	-	-		PACE		40	39 -				-	-	-	В	-		-		PACE		40	39 SPA		
41 SPACE	S	-	-	С	-	-	S SI	PACE		42	41 -				-	-	-	С	-		-	S S	PACE		42	41 SPA	ACE	
PHASE LOAD PHASE A= <u>30.33</u>	_KVA	PHASE B=	30.33	_KVA PHAS	SE C=	30.33	_KVA				РНА	SE LOAD	PHASE A=_	21.67	KVA	PHASE B=	13.33	KVA	PHASE C	=2	0.33 K	VA				PHAS	SE LOA	٩D
LOAD TYPE APPL DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR LI		TOTAL LO	DADS	LO	AD TYPE	APPL	DED	HEAT	КІТСН	LTS		МТ	<u>R</u> R	<u>срт и</u>			TOTAL LC	DADS	LOA	D TYPE	<u>E</u>
CONNECTED LOAD 91.00									91.00 KVA	252.59 AMP	PA	NEL (N)M							6.0	8			2.33	6.08 KVA	16.87 AMP	CONNEC	CTED L	
CALCULATED LOAD 91.00									91.00 KVA	252.59 AMP	PANE	EL 137B-P1		15.00					8.9)2 ().90		8.30	24.82 KVA	68.90 AMP		ATED L	LOA
NOTES: <u>NEW WORK IN BOLD</u>											PANE	EL 137B-P2		15.00			0.50		8.9	2			8.30	24.42 KVA	67.78 AMP	NOT	ES: <u>NE</u>	<u>:w w</u>
PROVIDE WITH 200% RATED I	NEUTRAL.										PANEL	145-LE-122B	3	10.00			0.21		4.1	6 ·	.62		4.16	15.99 KVA	44.38 AMP	41	<u>1. F</u>	PRO
1. PROVIDE NEW BREAKER. S	SIZE AS INC	DICATED ON THIS	S SCHEDUL	LE.							PANEL	. 145-LE-229		10.00			0.10		4.1	6	.44		4.16	15.70 KVA	43.59 AMP	4	<u>2. F</u>	EXIS
											PANEL	. 145-LE-329		10.00			0.16		4.1	6	.80		4.16	16.12 KVA	44.73 AMP			
											PAN	EL 145-P1		12.00					1.9	2 2	0.40		1.92	34.32 KVA	95.26 AMP	4		
											CONNE	CTED LOAD)	72.00			0.97		38.	32 2	6.16		8.30	137.45 KVA	381.52 AMP	4		
											CALCU		D	72.00			1.21		38.	32 1	8.08		2.07	131.69 KVA	365.52 AMP	4		
											NO	TES: <u>NEW W</u>	ORK IN BOLD	כ												1		
												<u>1. PRO</u>	VIDE NEW BR	EAKER. S	IZE AS IND	ICATED ON THIS	SCHEDUL	E.								1		
												<u>2. PRO</u>	VIDE NEW 10	0% RATED	D MAIN CIR	CUIT BREAKER	IN THIS PAN	NEL. SIZE	AS INDIC	ATED ON TH	S SCHED	OULE.						
																										1		
208/120 VOLT 3 PHASE		4 WIRE		PA	NEL	10	0 AMP BUS I	RATING	100 AMP	MAIN BREAK	ER	208/120	VOLT	3 PHA	ASE	4 WIRE			PANE	EL	100	AMP BU	S RATING	100 AF	MP MAIN BRE	AKER	20	208/12
OCATION: 137A	SUPPLIE	ED BY: PNL M		(N)12	45-P2	:	SCCR: 22,00	0 A	AFC:		L	OCATION:			SUPPLI	ED BY:			(E)4	3	S	SCCR: 22,	000 A	AF	EC:		LOCA	ΑΤΙΟ
SERVING: LIGHTS & RECEPTACLES				(••)•-			FEED: TOP		MOUNTING:	SURFACE		SERVING:									l F	FEED: TO	Р	MOUNTIN	IG: SURFACE	<u>.</u>	SER	RVIN
	1										┯━━┥┝╴							•									-	-
CKT LOAD 1 RM 137 CUBICLE REC (1)		<u>YPE KV/</u> R 0.72		A/P PHASE	E A/P 20/1		<u>(VA TYF</u> .180 R		LOAD 37A REC (1)				LOA DM RACK 2 B			TYPE K D	VA	A/P	PHASE	A/P	<u> </u>	VA 1	YPE TEL	LOA LECOM RACK 1 B			<u>СКТ</u>	
3 RM 137 CUBICLE REC (1)				20/1 A					37A REC (1) 39A LIGHTS (1)				DM RACK 2 B	. ,			-	-	A	-		-		LECOM RACK 1 B	. ,		1 3 \	
		R 0.72		20/1 B	20/1		.236 L		. ,				DM RACK 2 M	. ,		-	-	-	В	-		-		LECOM RACK 1 M	. /			
5 RM 137 LIGHTS (1)		L 0.66		20/1 (C 20/1		.720 R		39A REC (1)					. ,		D	-	-	C	-		-			. ,		5	
7 RM 129 LIGHTS (1)		L 0.64		20/1 A	20/1		.720 R		25 REC (1)		+		IONE BOARD			R	-	-	A	-		-			1 LINK (2)		7 8	
9 RM 125 & 126 LIGHTS (1)		L 0.47		20/1 B	20/1		.720 R		25 REC (1)				IONE BOARD		. ,		-	-	В	-		-		ARE (2)			9 E	
11 RM 137 CUBICLE REC (1)		R 0.72		20/1 0	C 20/1		.720 R		26 REC (1)				IONE BOARD		ACLE (2)	R	-	-	С	•		-		ARE (2)			11 \$	
13 RM 137 CUBICLE REC (1)		R 0.72	20	20/1 A	20/1		.720 R		26 REC (1)				OM RACK 3 (2	•		D	-	-	Α	-		-		ARE (2)			13	
15 RM 137 REC (1)		R 0.90	00	20/1 B	20/1	0.	.180 R	145-R	RECP-2 (1)				OM RACK 3 (2	•		D	-	-	В	-		-	S SPA	ARE (2)			15 \$	
17 RM 137 REC (1)		R 1.08	30	20/1 0	C 20/1	0.	.180 R	145-R	RECP-6 (1)		18	17 TELECC	OM RACK 3 (2	2)		D	-	-	С	-		-	S SPA	ARE (2)		18	17 \$	SPA
19 RM 129 REC (1)		R 0.90	00	20/1 A	-		- S	SPAC	CE		20	19 SPARE	(2)			S	-	-	Α	-		-	S SPA	ARE (2)			19	
21 RM 129 REC (1)		R 0.90	00	20/1 B	-		- S	SPAC	CE		22	21 SPACE				S	-	-	В	-			S SPA	ACE		22	21	MIDE
23 MCR LIGHTS (1)		L 1.00	07	20/1 (c -		- S	SPAC	CE		24	23 SPACE				S	-	-	С	-		-	S SPA	ACE		24	23 L	UND
25 MCR LIGHTS (1)		L 0.96	63	20/1 A	-		- S	SPAC	CE		26	25 SPACE		_		S	-	-	Α	-		-	S SPA	ACE			25 L	
27 SPACE		S -		- B	-		- S	SPAC	CE		28	27 SPACE				S	-	-	В	-		-	S SPA	ACE			27 L	
29 SPACE		S -		- (c -		- S	SPAC	CE		30	29 SPACE				S	-	-	С	-		-	S SPA	4CE			29 L	
31 SPACE		S -		- A	-		- S	SPAC				31 SPACE				•	-	-	Α	-		-	S SPA				31 L	
33 SPACE		S -		- B	-		- s	SPAC				33 SPACE				0	-	-	В	-		-	S SPA				33 L	
35 SPACE		s -		- (c -			SPAC				35 SPACE				S	_	-	С	-		-	S SPA				35	
37 SPACE		S -		- Δ	-		- 9	SPAC				37 SPACE				S		-	A	-		_	S SPA				37	
	1				-	1	1 0	10.70			I I I				I	- 1					1						1 ** I	

NOTES: NEW WORK IN BOLD

2. EXISITING LOAD

2	208/120 VOLT	3 F	PHASE	4	WIRE		PAI	NEL	100 AMI	BUS RAT	ING	100 AMP MAIN	BREAKER	2	208/120 VOLT	
LOC	ATION: 137A		SU	PPLIED BY	PNL M		(N)14	15-P2	SCCF	22,000 A		AFC:		LOC	ATION:	
SE	RVING: LIGHTS &	& RECEPT	ACLES						FEED	: TOP	M	OUNTING: SURF	ACE	SEF	RVING:	
скт		LOAD		TYPE	KVA	A/P	PHASE		KVA	TYPE		LOAD	СКТ	скт		LO
	RM 137 CUBICLE			R	0.720	20/1	Α	20/1	0.180		RM 137A R		2		TELECOM RAC	
	RM 137 CUBICLE	. ,		R	0.720	20/1	В	20/1	0.236	_	RM 139A LI		4		TELECOM RAC	
	RM 137 LIGHTS (,		L	0.669	20/1	C	20/1	0.720		RM 139A R	. ,	6		TELECOM RAC	
7	RM 129 LIGHTS (1)		L	0.643	20/1	Α	20/1	0.720	R	RM 125 RE	C (1)	8	7	TELEPHONE B	OAF
9	RM 125 & 126 LIG	HTS (1)		L	0.472	20/1	В	20/1	0.720	R	RM 125 RE	C (1)	10	9	TELEPHONE B	OAR
11	RM 137 CUBICLE	REC (1)		R	0.720	20/1	C	20/1	0.720	R	RM 126 RE	C (1)	12	11	TELEPHONE B	OAF
13	RM 137 CUBICLE	REC (1)		R	0.720	20/1	Α	20/1	0.720	R	RM 126 RE	C (1)	14	13	TELECOM RAC	CK 3
15	RM 137 REC (1)			R	0.900	20/1	В	20/1	0.180	R	145-RECP-2	2 (1)	16	15	TELECOM RAC	CK 3
17	RM 137 REC (1)			R	1.080	20/1	C	20/1	0.180	R	145-RECP-	6 (1)	18	17	TELECOM RAC	:K 3
19	RM 129 REC (1)			R	0.900	20/1	Α	-	-	S	SPACE		20	19	SPARE (2)	
21	RM 129 REC (1)			R	0.900	20/1	В	-	-	S	SPACE		22	21	SPACE	
23	MCR LIGHTS (1)			L	1.007	20/1	C	-	-	S	SPACE		24	23	SPACE	
25	MCR LIGHTS (1)			L	0.963	20/1	Α	-	-	S	SPACE		26	25	SPACE	
27	SPACE			S	-	-	В	-	-	S	SPACE		28	27	SPACE	
29	SPACE			S	-	-	C	-	-	S	SPACE		30	29	SPACE	
31	SPACE			S	-	-	Α	-	-	S	SPACE		32	31	SPACE	
33	SPACE			S	-	-	В	-	-	S	SPACE		34	33	SPACE	
35	SPACE			S	-	-	C	-	-	S	SPACE		36	35	SPACE	
37	SPACE			S	-	-	Α	-	-	S	SPACE		38	37	SPACE	
39	SPACE			S	-	-	В	-	-	S	SPACE		40	39	SPACE	
41	SPACE			S	-	-	C	-	-	S	SPACE		42	41	SPACE	
F	HASE LOAD F	PHASE A=_	5.57	KVA	PHASE B=	4.13	KVA	PHASE C=	5.10	KVA			I	P	HASE LOAD	PH
	LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL L	OADS		LOAD TYPE	
CO	NNECTED LOAD					3.99			10.80			14.79 KVA	41.05 AMP	CON	INECTED LOAD	, [
	CULATED LOAD					4.99			10.40			15.39 KVA	42.71 AMP			
	NOTES: NEW WOF			•			•	•		•	• •				NOTES: NEW W	
					D ON THIS SCH	EDULE.									1. PRO\	
															2 FXIS	

2	208/120 VOLT	3	PHASE	4	WIRE		PAN	IEL	100 AMI	P BUS RAT	ING	100 AMP MAIN BREAK	ER
_0C	ATION: 635		SUP	PLIED BY:			(E))T	SCCF	R: 22,000 A		AFC:	
SE	RVING: TR 635						(-	/•	FEED	: TOP	МС	DUNTING: SURFACE	
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	скт
1	SPARE			S	-	-	A	-	-	R	SWBD RM (CONSOLE RECPT (2)	2
3	S. SW ROOM RE	ECEPT (2)		R	-	-	В	-	-	R	W. SW ROC	OM RECEPT (2)	4
5	E. SW ROOM RE	ECEPT (2)		R	-	-	С	-	-	R	W. SW ROC	OM RECEPT (2)	6
7	E. SW ROOM RE	ECEPT (2)		R	-	-	Α	-	-	R	OUTLET E \	WALL UNDER FLOOR (2)	8
9	REC NEXT TO P	ANEL M (2))	R	-	-	В	-	-	D	OLD PA PO	WER (2)	10
11	REC NEXT TO P	ANEL M (2))	R	-	-	C	-	-	S	SPACE		12
13	RECTIFIER SHE	LF #1 SLO	T A (2)	D	-	-	Α	-	-	D	INVERTER	(2)	14
15	RECTIFIER SHE	LF #1 SLO	T A (2)	D	-	-	В	-	-	D	INVERTER	(2)	16
17	RECTIFIER SHE	LF #1 SLO	T E (2)	D	-	-	С	-	-	D	RECTIFIER	SHELF #1 SLOT D (2)	18
19	RECTIFIER SHE	LF #1 SLO	T E (2)	D	-	-	Α	-	-	D	RECTIFIER	SHELF #1 SLOT D (2)	20
21	RECTIFIER SHE	LF #2 SLO	T A (2)	D	-	-	В	-	-	D	RECTIFIER	SHELF #1 SLOT H (2)	22
23	RECTIFIER SHE	LF #2 SLO	T A (2)	D	-	-	С	-	-	D	RECTIFIER	SHELF #1 SLOT H (2)	24
25	RECTIFIER SHE	LF #2 SLO	T E (2)	D	-	-	Α	-	-	D	RECTIFIER	SHELF #2 SLOT D (2)	26
27	RECTIFIER SHE	LF #2 SLO	T E (2)	D	-	-	В	-	-	D	RECTIFIER	SHELF #2 SLOT D (2)	28
29	SPARE			S	-	-	С	-	-	D	RECTIFIER	SHELF #2 SLOT H (2)	30
31	SPARE			S	-	-	Α	-	-	D	RECTIFIER	SHELF #2 SLOT D (2)	32
33	N. SW ROOM RE	ECEPT (2)		R	-	-	В	-	-	D	DOOR SEC	URITY (2)	34
35	N. SW ROOM RE	ECEPT (2)		R	-	-	С	-	-	D	TVSS (2)		36
37	RM 138 PA REC	EPT (2)		R	-	-	Α	-	-	D	TVSS (2)		38
39	RM 138 PA REC	EPT (2)		R	-	-	В	-	-	D	TVSS (2)		40
41	RM 138 NC, RTL	S RECEPT	(2)	R	-	-	С	-	-	D	TVSS (2)		42
F	HASE LOAD	PHASE A=	#VALUE!	KVA	PHASE B=	#VALUE!	_KVA	PHASE C=	#VALUE!	KVA			
	LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LOADS	
CON	INECTED LOAD											KVA	AMP
	CULATED LOAD											KVA	AMP
	NOTES: <u>NEW WC</u>	ORK IN BOL	.D										
	1. PROVI	IDE NEW BI	REAKER TO	O FEED EX	ISTING RELOCA	ATED LOAD	. MATCH E	EXISTING TYPE A		CTURER.			
		ING LOAD											_

Revisions:	Date:	CONSULTANT
		ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE

2

1

4	5	6

ARCHITECT/ENGINEER OF RECORD

<u>A/E</u> GDM

4

1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

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1. PROVIDE NEW BREAKER TO FEED EXISTING RELOCATED LOAD. MATCH EXISTING TYPE AND MANUFACTURER.

S

S

LOAD TYPE APPL DED HEAT KITCH LTS

PHASE LOAD PHASE A= <u>#VALUE!</u> KVA PHASE B= <u>#VALUE!</u> KVA PHASE C=

- B

- C

-

-

MTR

- S SPACE

- S SPACE

RCPT WTR HTR LRG MTR

TOTAL LOADS

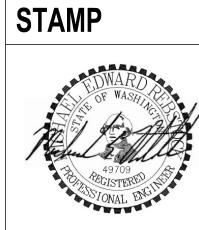
KVA

KVA

#VALUE! KVA



5





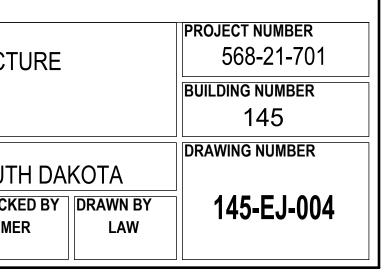
6

7		8
·		

3 PHASE	4	WIRE		PAN	IEL	200 AM	BUS RAT	ING	150 AMP MAIN I	BREAKER
SL	JPPLIED BY	PNL M		'N\1 /	5-P1	SCCR	22,000 A		AFC:	
NG CIRCUITS						FEED	: TOP	M	OUNTING: SURF	ACE
LOAD	TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	СК
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	Α	20/1	1.200	D	MISC CKTS	[FROM PNL 'A1'] (1) 2
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	В	20/1	1.200	D	MISC CKTS	[FROM PNL 'A1'] (1) 4
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	С	20/1	1.200	D	MISC CKTS	[FROM PNL 'A1'] (1) 6
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	Α	20/1	1.200	D	MISC CKTS	FROM PNL 'A1'] (1) 8
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	В	20/1	1.200	D	MISC CKTS	FROM PNL 'A1'] (1) 10
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	С	20/1	1.200	D	MISC CKTS	FROM PNL 'A1'] (1) 12
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	Α	20/1	1.200	D	MISC CKTS	FROM PNL 'A2'] (1) 14
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	В	20/1	1.200	D	MISC CKTS	FROM PNL 'A2'] (1) 16
RECEPT[FROM PNL 'T'] (1)	R	1.200	20/1	С	20/1	1.200	D	MISC CKTS	[FROM PNL 'A2'] (1) 18
ROM (E)PNL 'A'] (1)	R	1.200	20/1	Α	20/1	1.200	D	MISC CKTS	[FROM PNL 'A2'] (1) 20
ROM (E)PNL 'A'] (1)	R	1.200	20/1	В	20/1	1.920	м	AC UNIT 14	13 (2)	22
ROM (E)PNL 'A'] (1)	R	1.200	20/1	С	-	-	S	SPACE		24
ROM (E)PNL 'A'] (1)	R	1.200	20/1	Α	-	-	S	SPACE		26
ROM (E)PNL 'A'] (1)	R	1.200	20/1	В	-	-	S	SPACE		28
ROM (E)PNL 'A'] (1)	R	1.200	20/1	С	-	-	S	SPACE		30
ROM (E)PNL 'A'] (1)	R	1.200	20/1	Α	-	-	S	SPACE		32
ROM (E)PNL 'A'] (1)	R	1.200	20/1	в	-	-	s	SPACE		34
	s	-	-	С	-	-	s	SPACE		36
	s	-	-	Α	-	-	s	SPACE		38
	S	-	-	в	-	-	S	SPACE		40
	S	-	-	С	-	-	S	SPACE		42
			40.70			0.60				
PHASE A= 12.00	KVA	PHASE B=	12.72	_KVA	PHASE C=	9.60	_KVA	<u>і г</u>		
APPL DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LC	
12.00					1.92	20.40		1.92	34.32 KVA	95.26 AM
D 12.00					1.92	15.20		0.48	29.60 KVA	82.16 AM
ORK IN BOLD										
/IDE NEW BREAKER TO FE	ED EXISTING	<u>G RELOCATED L</u>	OAD. SIZE	AS INDICA	TED ON THIS SO	CHEDULE.				
TING LOAD.										

EAKI	ĒR	2	08/120 VOLT	3	PHASE	4	WIRE		PAN	IEL	100 AMP BUS RATING 100 AMP MAIN BREA				EAKER
		LOC	ATION:		SUPI	PLIED BY:	:		(E)	Δ	SCCR	22,000 A		AFC:	
Ξ		SEF	RVING:						(-)		FEED	ТОР	МО	UNTING: SURFAC	E
	скт	скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	скт
	2	1	SPARE (2)			S	-	-	A	-	-	R	WALL REC (2)	2
	4	3	WEST UPS (2)			D	-	-	В	-	-	R	WALL REC (2)	4
	6	5	WEST UPS (2)			D	-	-	С	-	-	R	WALL REC (2)	6
	8	7	SPARE (2)			S	-	-	Α	-	-	D	NEW UPS (2		8
	10	9	EM SHUTDOWN	l (2)		D	-	-	В	-	-	D	NEW UPS (2)		10
	12	11	SPARE (2)			S	-	-	С	-	-	D	NEW UPS (2)		12
	14	13	SPARE (2)			S	-	-	Α	-	-	D	SE CORNER (2)		14
	16	15	SPARE (2)			S	-	-	В	-	-	D	SE CORNER (2)		16
	18	17	SPARE (2)			S	-	-	С	-	-	D	SE CORNER (2)		18
	20	19	SPARE (2)			S	-	-	Α	-	-	м	COND UNIT	(2)	20
	22	21	MIDDLE UPS (2))		D	-	-	В	-	-	м	COND UNIT	(2)	22
	24	23	UNDER FLOOR	REC (2)		R	-	-	С	-	-	S	SPARE (2)		24
	26	25	UNDER FLOOR	REC (2)		R	-	-	Α	-	-	R	WALL REC (2)	26
	28	27	UNDER FLOOR	REC (2)		R	-	-	В	-	-	R	WALL REC (2)		28
	30	29	UNDER FLOOR	REC (2)		R	-	-	С	-	-	S	SPARE (2)		30
	32	31	UNDER FLOOR	REC (2)		R	-	-	Α	-	-	R	WALL REC (2)	32
	34	33	UNDER FLOOR	REC (2)		R	-	-	В	-	-	м	AC (2)		34
	36	35	SPARE (2)			S	-	-	С	-	-	м	AC (2)		36
	38	37	SPARE (2)			S	-	-	Α	-	-	S	SPARE (2)		38
	40	39	WALL REC (2)			R	-	-	В	-	-	S	SPARE (2)		40
	42	41	WALL REC (2)			R	-	-	С	-	-	S	SPACE		42
		P	HASE LOAD	PHASE A=	#\/ALLIE!		PHASE B=	#VALUE!	κ\/Δ	PHASE C=	#VALUE!				
				r		-						-			
S				APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WIRHIR	LRG MTR		
	AMP		NECTED LOAD											KVA	AMP
	AMP		CULATED LOAD											KVA	AMP
	-		NOTES: <u>NEW WC</u>												<u> </u>
	-				REAKER TO	J FEED EX	ISTING RELOCAT	ED LOAD.	MATCHE	EXISTING TYPE AN	ND MANUFA	JURER.			
	-		<u>2. EXIST</u>	ING LOAD											

OF CTION LITIES	DRAWING TITLE BUILDING 145 ELECTRICAL PANEL SCHEDULES	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRU UPGRADES	JCT
	APPROVED: Project Director	FLS	FORT MEADE, SC) UT
oartment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLER	RED ISSUE DATE 11/05/2024	HECK Mi
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THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

1

GENERAL NOTES

1. COORDINATE ANY INTERRUPTIONS OF SERVICE FOR EXISTING EQUIPMENT WITH COR PRIOR TO DEMOLITION OR CONSTRUCTION.

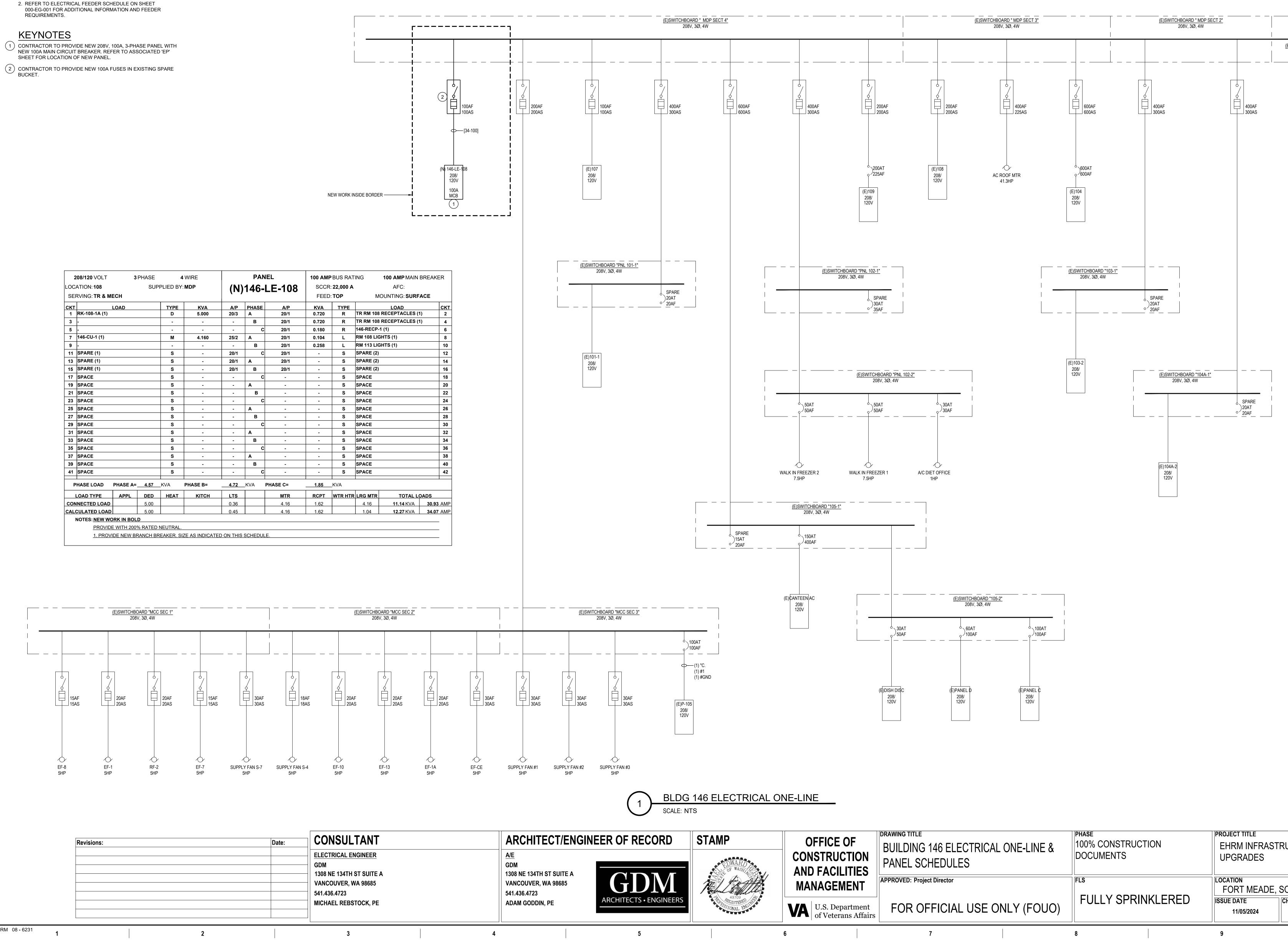
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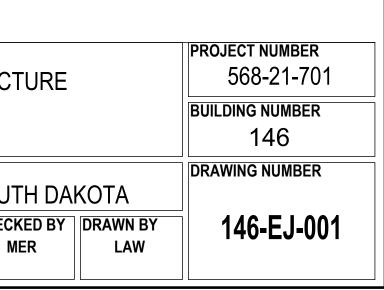
NEW 100A MAIN CIRCUIT BREAKER. REFER TO ASSOCIATED 'EP' SHEET FOR LOCATION OF NEW PANEL.

2	08/120 VOLT	3	PHASE	4	WIRE		PAN	NEL	100 AM	P BUS RA	TING
LOC	ATION: 108		SUP	PLIED BY	MDP	(N)	146-	LE-108	SCCF	R: 22,000 A	L .
SEF	RVING: TR & ME	ЕСН				(,,,			FEED	D: TOP	М
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE	
	RK-108-1A (1)			D	5.000	20/3	Α	20/1	0.720	R	TR RM 108
3	-			-	-	-	В	20/1	0.720	R	TR RM 108
5	-			-	-	-	C	20/1	0.180	R	146-RECP-1
7	146-CU-1 (1)			м	4.160	25/2	Α	20/1	0.104	L	RM 108 LIG
9	-			-	-	-	В	20/1	0.258	L	RM 113 LIG
11	SPARE (1)			S	-	20/1	C	20/1	-	S	SPARE (2)
13	SPARE (1)			S	-	20/1	Α	20/1	-	S	SPARE (2)
15	SPARE (1)			S	-	20/1	В	20/1	-	S	SPARE (2)
17	SPACE			S	-	-	C	-	-	S	SPACE
19	SPACE			S	-	-	Α	-	-	S	SPACE
21	SPACE			S	-	-	В	-	-	S	SPACE
23	SPACE			S	-	-	C	-	-	S	SPACE
25	SPACE			S	-	-	Α	-	-	S	SPACE
27	SPACE			S	-	-	В	-	-	S	SPACE
29	SPACE			S	-	-	C	-	-	S	SPACE
31	SPACE			S	-	-	Α	-	-	S	SPACE
33	SPACE			S	-	-	В	-	-	S	SPACE
35	SPACE			S	-	-	C	-	-	S	SPACE
37	SPACE			S	-	-	Α	-	-	S	SPACE
39	SPACE			S	-	-	В	-	-	S	SPACE
41	SPACE			S	-	-	C	-	-	S	SPACE
Р	HASE LOAD	PHASE A=	4.57	LKVA	PHASE B=	4.72	_KVA	PHASE C=	1.85	KVA	
L	OAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTF	
	NECTED LOAD		5.00			0.36		4.16	1.62		4.16
	CULATED LOAD		5.00			0.45		4.16	1.62		1.04
	NOTES: NEW WO	RK IN BOL									
		E WITH 2009		NEUTRAL.							
					ZE AS INDICATE	D ON THIS	SCHEDU	LE.			

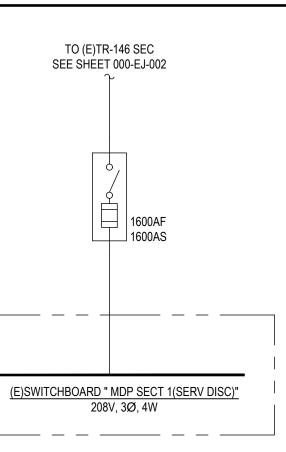


Revisions:	Date:	CONSULIANI
		ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE

	DRAWING TITLE	PHASE	PROJECT TITLE	
OF CTION LITIES	BUILDING 146 ELECTRICAL ONE-LINE & PANEL SCHEDULES	100% CONSTRUCTION DOCUMENTS	EHRM INFRAST UPGRADES	RUCT
MENT	APPROVED: Project Director	FLS	FORT MEADE,	SOUT
partment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECK
	7	8	0	







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THIS DRAWING WAS PRODUCED FROM ORIGINAL
AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND
MAY NOT REPRESENT AN ACCURATE AS-BUILT
CONDITION. DISCREPANCIES MAY BE ENCOUNTERED,
AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO
FIELD VERIFY ALL CONDITIONS.

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Revisions:	Date: CON	NSULTANT
	ELECT	RICAL ENGINEER
	GDM	
		E 134TH ST SUITE A
		DUVER, WA 98685
	541.430	
	MICHA	EL REBSTOCK, PE

2

1

SE	RVING: 147 & TI	E			_
кт		LOAD		TYPE	
1	SUP/LOCKER RI	M LTG (2)		L	
3	ISSUE/BRK RM I	_TG (2)		L	
5	EXTERIOR LTG	(2)		L	
7	SUPERVISOR R	ECP (2)		R	
9	LOCKER RM RE	CP (2)		R	
11	CORR/EXTERIO	R RECP (2)		R	
13	BREAK RM REC	P (2)		R	
15	BREAK RM COU	NT RECP (2	2)	R	
17	BREAK RM VEN	DING RECF	P (2)	D	
19	BREAK RM REFI	RIGERATO	R (2)	A	
21	BREAK ROOM C	VEN (2)		A	
23	-			-	
25	VAV CONTROL I		Р		
27	UH-L, EF-1 (2)		D		
29	P-2, EF-2, UH-2 (D		
31	RTU-1 (2)			D	
33	-			1 -	
35				-	
37	RK-109-1A (1)			D	
39	RK-109-1B (1)			D	
41	SPACE			S	
Р	HASE LOAD	PHASE A=	#VALUE!	KVA	PHA
	LOAD TYPE	APPL	DED	HEAT	
CON	NECTED LOAD		5.76		
AL	CULATED LOAD		5.76		
	NOTES: NEW WO	RK IN BOL	D	•	
		DE NEW B		IZE INDIC	ATED
		ING LOAD.			

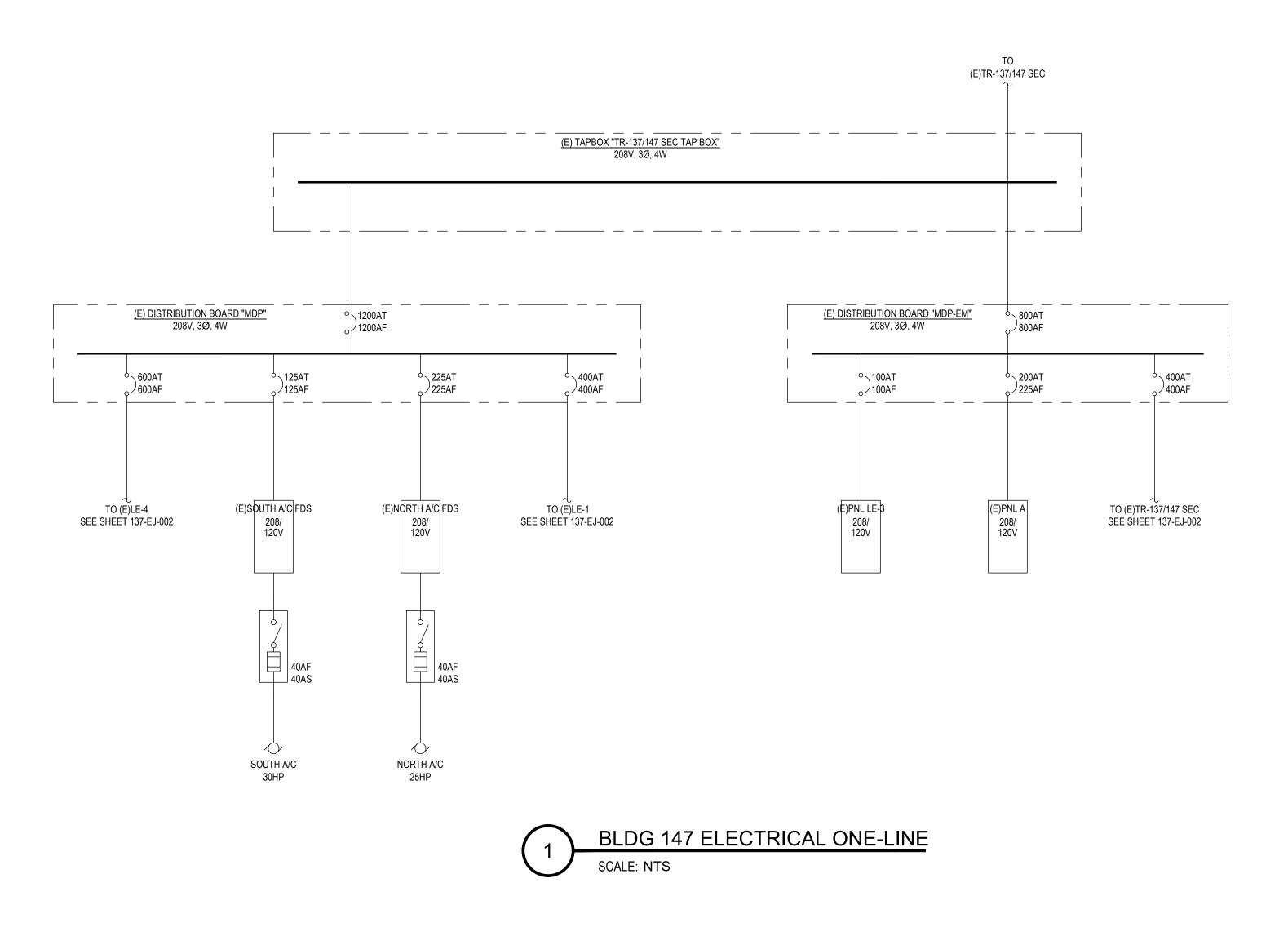
3 PHASE

208/120 VOLT

LOCATION: CORRIDOR

PHASE 4 WIRE				PAN		225 AMF	BUS RAT	ING	225 AMP MAIN BREAKER		
SUPF	PLIED BY:	MDP-EM		(E)14	47-A	SCCR FEED	:: 22,000 A :: TOP	Μ	AFC: OUNTING: FLUSH	1	
	TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	скт	
	L	-	20/1	Α	20/1	-	L	CORR. LTO	G (2)	2	
	L	-	20/1	В	20/1	-	L	RECEIVIN	G RM LTG (2)	4	
	L	-	20/1	С	20/1	-	L	BATH RM I	_TG/ EX FAN (2)	6	
	R	-	20/1	A	20/1	-	R	BATH RM I	RECP (2)	8	
	R	-	20/1	В	20/1	-	R	BATH RM I	RECP (2)	10	
)	R	-	20/1	С	20/1	-	R	RECEIVIN	G RECP (2)	12	
	R	-	20/1	Α	20/1	-	R	ISSUE REC	CP (2)	14	
(2)	R	-	20/1	В	20/1	-	R	ISSUE REC	CP (2)	16	
P (2)	D	-	20/1	С	20/3	-	D	DOCK LEV	ELER-SOUTH (2)	18	
)R (2)	Α	-	20/1	Α	-	-	-	-		20	
	Α	-	50/2	В	-	-	-	-		22	
	-	-	-	С	20/3	-	D	DOCK LEV	ELER-NORTH (2)	24	
	Р	-	20/1	Α	-	-	-	-		26	
	D	-	20/1	В	-	-	-	-		28	
	D	-	20/1	С	20/1	-	WH	WATER HE	EATER (2)	30	
	D	-	35/3	Α	20/1	-	D	P-1 (2)		32	
	-	-	-	В	20/1	-	D	P-2 (2)		34	
	-	-	-	С	20/1	-	A	MICROWA	VE (2)	36	
	D	2.880	30/1	Α	-	-	S	SPACE		38	
	D	2.880	30/1	В	-	-	S	SPACE		40	
	S	-	20/1	С	-	-	S	SPACE		42	
= #VALUE!	KVA	PHASE B=	#VALUE!	_KVA	PHASE C=	#VALUE!	_KVA				
DED	HEAT	кітсн	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LC	ADS	
5.76									5.76 KVA	15.99 AMP	
5.76									5.76 KVA	15.99 AMP	
LD											
REAKER. S	IZE INDICA	ATED ON THIS SC	HEDULE.	MATCH E	XISTING TYPE AN	ID MANUFAC	TURER.				

_



ARCHITECT/ENGINEER OF RECORD

<u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

4



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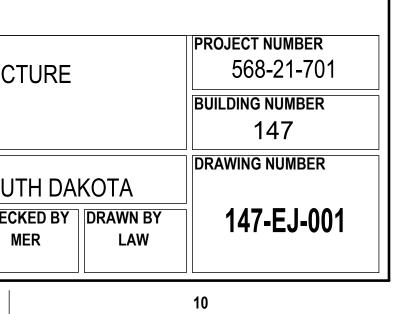


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6

OF CTION LITIES	DRAWING TITLE BUILDING 147 ELECTRICAL PANEL SCHEDULES	ONE-LINE &	PHASE 100% CONSTRUCTI DOCUMENTS	ON	PROJECT TITLE EHRM INFRASTE UPGRADES	RUCT
	APPROVED: Project Director FOR OFFICIAL USE ON		FLS FULLY SPRIN	KLERED	LOCATION FORT MEADE, S ISSUE DATE 11/05/2024	SOUT CHECK ME
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THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

1

- **GENERAL NOTES**
- 1. COORDINATE ANY INTERRUPTIONS OF SERVICE FOR EXISTING EQUIPMENT WITH COR PRIOR TO DEMOLITION OR CONSTRUCTION.
- 2. REFER TO ELECTRICAL FEEDER SCHEDULE ON SHEET 000-EG-001 FOR ADDITIONAL INFORMATION AND FEEDER REQUIREMENTS.
- **KEYNOTES**

MANUFACTURER.

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- (1) CONTRACTOR TO PROVIDE NEW 208Y/120V, 100A, PANEL. REFER TO ASSOCIATED 'EP' SHEET FOR LOCATION OF NEW PANEL.
- 2 CONTRACTOR TO PROVIDE NEW 45KVA STEP-DOWN TRANSFORMER. PROVIDE ALL CONDUITS AND CONDUCTORS
- REQUIRED FOR COMPLETE OPERATION. (3) CONTRACTOR TO PROVIDE NEW BREAKER IN EXISTING SPACE. SIZE AS INDICATED ON THIS SHEET. MATCH EXISTING TYPE AND
- (4) CONTRACTOR TO PROVIDE NEW 208Y/120V, 225A, PANEL. REFER TO ASSOCIATED 'EP' SHEET FOR LOCATION OF NEW PANEL.
- 5 CONTRACTOR TO PROVIDE NEW 75KVA STEP-DOWN TRANSFORMER. PROVIDE ALL CONDUITS AND CONDUCTORS

REQUIRED FOR COMPLETE OPERATION.

PANEL 225 AMP BUS RATING 208/120 VOLT 3 PHASE **4** WIRE (N)148-LE-A114A LOCATION: A114A SUPPLIED BY: PNL PX SCCR: 22,000 A AFC: SERVING: TR & MECH FEED: TOP MOUNTING: SURFACE TYPE KVA A/P PHASE LOAD KVA TYPE LOAD A/P 1 RK-A114A-1A (1) 10.000 0.720 R TR RM A114A RECEPTACLES (1) 30/3 A D 20/1 в 0.720 R TR RM A114A RECEPTACLES (1) -20/1 --0.720 R TR RM C106A RECEPTACLES (1) 20/1 ---0.720 R TR RM C106A RECEPTACLES (1) 7 RK-C106A-1A (1) D 10.000 30/3 A 20/1 20/1 0.720 R TR RM F108 RECEPTACLES (1) B ---0.720 R TR RM F108 RECEPTACLES (1) 20/1 11 ---C 13 RK-F108-1A (1) 0.180 R 148-RECP-1 (1) D 10.000 30/3 A 20/1 0.180 R 148-RECP-2 (1) 15 · -- | B | 20/1 -0.208 L RM A114A LIGHTS (1) 20/1 17 --C -19 148-CU-1 (1) 0.208 L RM C106A LIGHTS (1) М 0.208 25/2 A 20/1 0.312 L RM F108 LIGHTS (1) B 20/1 ---0.180 R 148-RECP-3 (1) 23 148-CU-2 (1) Μ 0.208 25/2 20/1 0.500 M DRAIN PUMP (1) 25 -20/1 --- | A 27 148-CU-3 (1) 0.208 20/1 S SPARE (1) Μ 25/2 B -S SPARE (1) 29 ---C 20/1 --31 SPARE (1) S 20/1 S SPARE (1) 20/1 A --33 SPARE (1) S 20/1 B S SPACE -35 SPARE (1) S 20/1 S SPACE ---S S SPACE 37 SPACE -- | A -39 SPACE S - | B | S SPACE ---41 SPACE S S SPACE --C --PHASE LOAD PHASE A= <u>12.54</u> KVA PHASE B= <u>12.14</u> KVA PHASE C= <u>12.04</u> KVA LOAD TYPE APPL DED HEAT KITCH LTS MTR RCPT WTR HTR LRG MTR TOTAL LOADS 0.73 1.12 4.86 0.50 30.00 CONNECTED LOAD 30.00 0.91 1.12 0.13 37.02 KVA 102.75 AMF 4.86 CALCULATED LOAD NOTES: NEW WORK IN BOLD

2

PROVIDE WITH 200% RATED NEUTRAL.

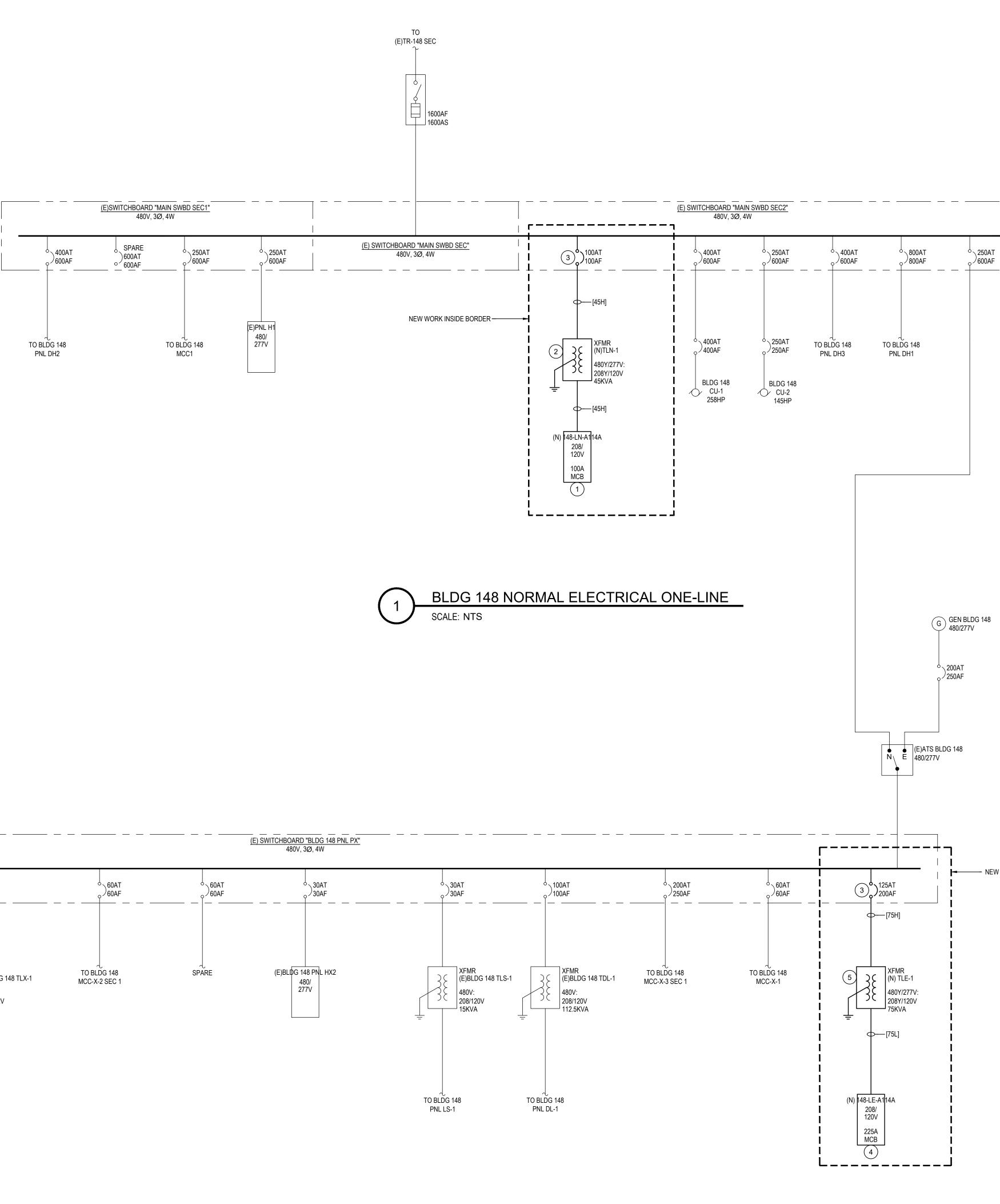
1. PROVIDE NEW BRANCH BREAKER. SIZE AS INDICATED ON THIS SCHEDULE.

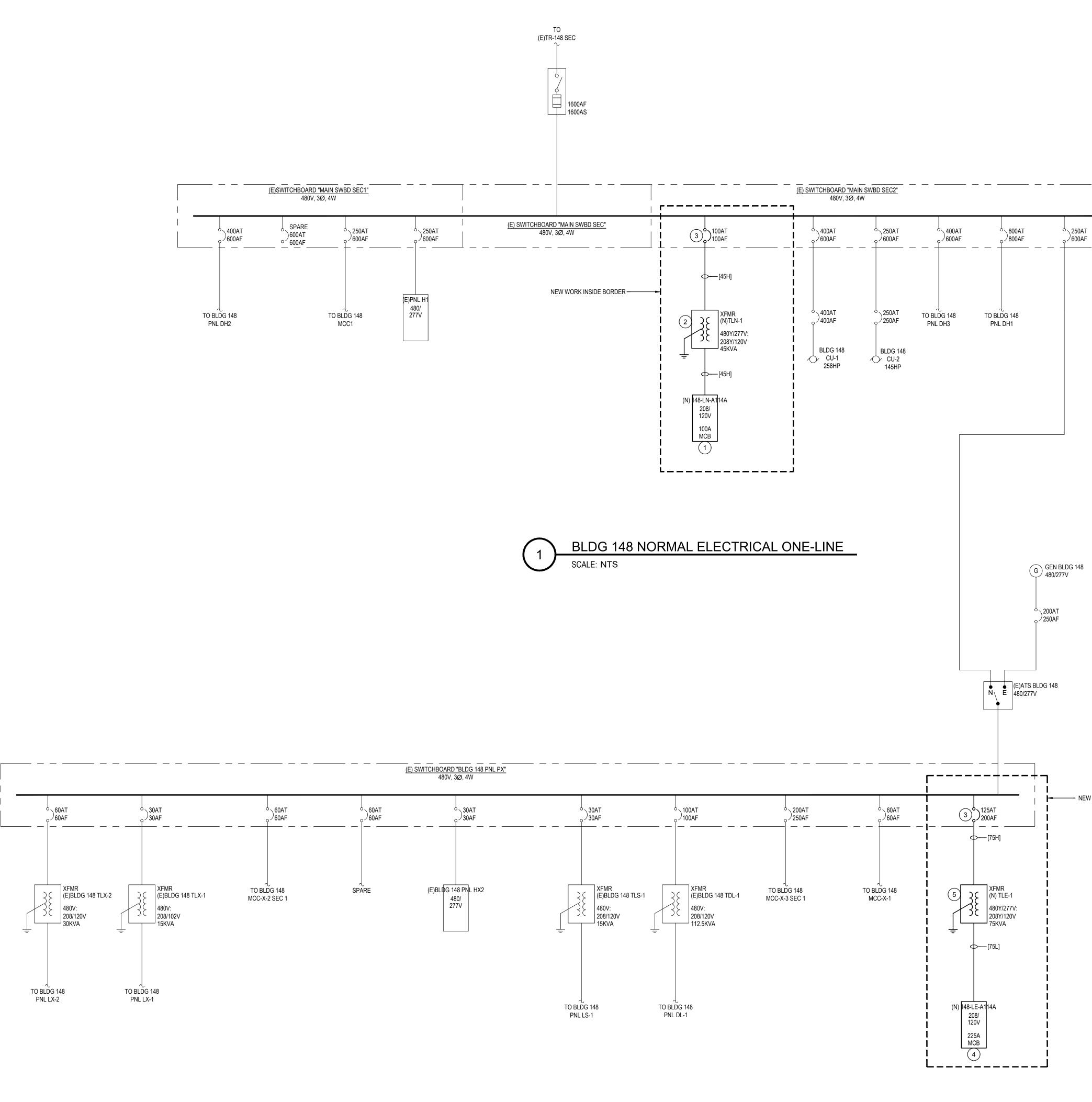
2	208/120 VOLT	3	PHASE	4	WIRE		PAN	EL	100 AM	P BUS RAT	ING	100 AMP MAIN E	BREAKER
LOC	ATION: A114A		SUP	PLIED BY:	B146 MSWB	(N)1	48-LN	N-A114A	SCCF	R: 22,000 A		AFC:	
SE	RVING: TR					(,-			FEED	D: TOP	МС	DUNTING: SURFA	ACE
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD	скт
1	RK-A114A-1B (1	1)		D	10.000	30/3	A	20/1	-	S	SPARE (2)		2
3	-			-	-	-	В	20/1	-	S	SPARE (2)		4
5	-			-	-	-	С	201	-	S	SPARE (2)		6
7	RK-C106A-1B (1	1)		D	10.000	30/3	A	-	-	S	SPACE		8
9	-			-	-	-	В	-	-	S	SPACE		10
11	-			-	-	-	С	-	-	S	SPACE		12
13	RK-F108-1B (1)			D	10.000	30/3	A	-	-	S	SPACE		14
15	-			-	-	-	В	-	-	S	SPACE		16
17	-			-	-	-	С	-	-	S	SPACE		18
19	SPACE			S	-	-	A	-	-	S	SPACE		20
21	SPACE			S	-	-	В	-	-	S	SPACE		22
23	SPACE			S	-	-	С	-	-	S	SPACE		24
25	SPACE			S	-	-	A	-	-	S	SPACE		26
27	SPACE			S	-	-	В	-	-	S	SPACE		28
29	SPACE			S	-	-	С	-	-	S	SPACE		30
31	SPACE			S	-	-	A	-	-	S	SPACE		32
33	SPACE			S	-	-	В	-	-	S	SPACE		34
35	SPACE			S	-	-	С	-	-	S	SPACE		36
37	SPACE			S	-	-	A	-	-	S	SPACE		38
39	SPACE			S	-	-	В	-	-	S	SPACE		40
41	SPACE			S	-	-	С	-	-	S	SPACE		42
F	PHASE LOAD	PHASE A=	10.00	LKVA	PHASE B=	10.00	_KVA	PHASE C=	10.00	_KVA			
	LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	LRG MTR	TOTAL LO	ADS
cor	NNECTED LOAD		30.00									30.00 KVA	83.27 AMP
CAL	CULATED LOAD		30.00									30.00 KVA	83.27 AMP
	NOTES: NEW WO	ORK IN BOL	.D										
	PROVID	E WITH 200	% RATED I	NEUTRAL.									
	1. PROV	IDE NEW BI	RANCH BR	EAKER. SI	ZE AS INDICATE	<u>ED ON THIS</u>	SCHEDUL	E.					

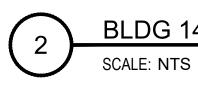
Revisions:	Date:	
		ELECTRICAL ENGINEER
		GDM
		1308 NE 134TH ST SUITE A
		VANCOUVER, WA 98685
		541.436.4723
		MICHAEL REBSTOCK, PE

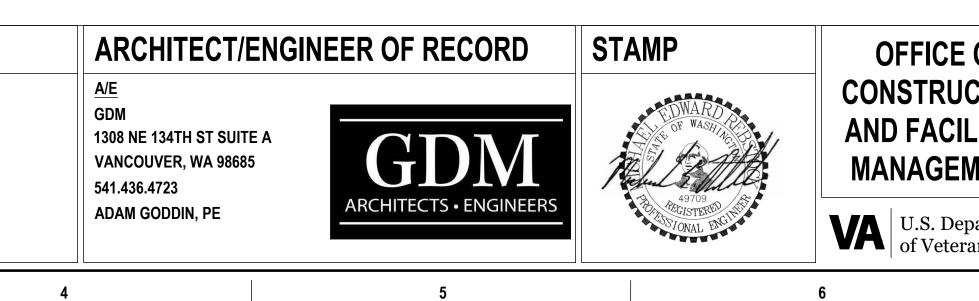
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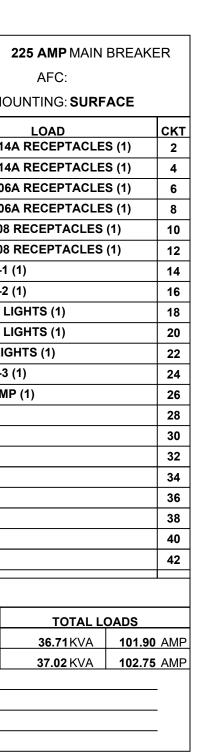


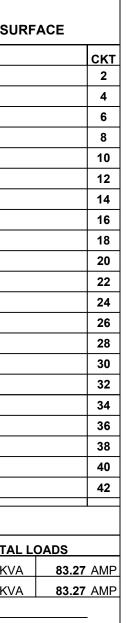






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BLDG 148 EMERGENCY ELECTRICAL ONE-LINE

E OF JCTION II ITIES	DRAWING TITLE BUILDING 148 ELECTRICAL ONE-LINE & PANEL SCHEDULES	PHASE 100% CONSTRUCT DOCUMENTS	ION	PROJECT TITLE EHRM INFRASTRUCT UPGRADES		
	APPROVED: Project Director	FLS		LOCATION FORT MEADE, S	SOUTI	
E OF JCTION ILITIES	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRIN	KLERED	ISSUE DATE 11/05/2024	CHECKE	
	7	8		9		

URE		PROJECT NUMBER 568-21-701
		BUILDING NUMBER
H DAKOTA		
ED BY	DRAWN BY LAW	148-EJ-001
		10

------ NEW WORK INSIDE BORDER

BLDG 146

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THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

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LOC	208/120 VOLT ATION: GARAG RVING: GARAG	E	3PHASE SUP	PLIED BY	4 WIRE		рал (Е)		SCCF	P BUS RAT 2: 22,000 A 2: TOP	-
скт		LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE	
1	TANK MONITOR	(2)		D	-	20/1	А	20/1	-	D	EM SH
3	TANK ALARM (2)		D	-	20/1	В	30/2	-	Р	PANE
5	OUTSIDE LIGHT	S (2)		L	-	20/1	С	-	-	-	-
7	COVE HEATER ((2)		н	-	15/2	А	30/2	-	L	PUMP
9	-			-	-	-	В	-	-	-	-
11	WELDER (2)			D	-	50/2	С	30/1	1.440	D	RK-10
13	-			-	-	-	А	30/1	1.440	D	RK-10
15	T171-CU-1 (1)			м	4.160	25/2	В	-	-	S	SPAC
17	-			-	-	-	С	-	-	S	SPAC
19	T171-RECP-1 (1)			R	0.180	20/1	А	-	-	S	SPAC
21	SPACE			S	-	-	В	-	-	S	SPAC
23	SPACE			S	-	-	С	-	-	S	SPAC
P	HASE LOAD	PHASE A=	= #VALUE!	_KVA	PHASE B=	#VALUE	LKVA	PHASE C=	#VALUE!	_KVA	<u> </u>
	LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT	WTR HTR	
CON	NECTED LOAD		2.88					4.16	0.18		4.1
CAL	CULATED LOAD		2.88					4.16	0.18		1.0
	NOTES: <u>NEW WO</u>	RK IN BOI	LD								
	<u>1. PROVI</u>	DE NEW B	REAKER A	S INDICAT	ED ON THIS SCH	HEDULE. MA	ATCH EXIS	STING TYPE AND	MANUFACT	URER.	
	<u>2. EXISTI</u>	ING LOAD.									
	3. LOAD	REPRESE	NTED AS 5		E OVERALL LOAI	D FOR THE	ACTIVE E	QUIPMENT IN TH	E TELECOM	MUNICATIC	NS EN
	<u>3. LOAD</u>	REPRESE	NTED AS 50	0% OF THE	E OVERALL LOA	D FOR THE	ACTIVE E	QUIPMENT IN TH	E TELECOM		

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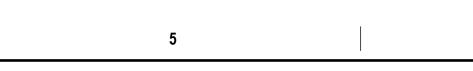
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Revisions:	Date:	
		ELECTRICAL ENGINEER GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 MICHAEL REBSTOCK, PE

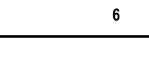
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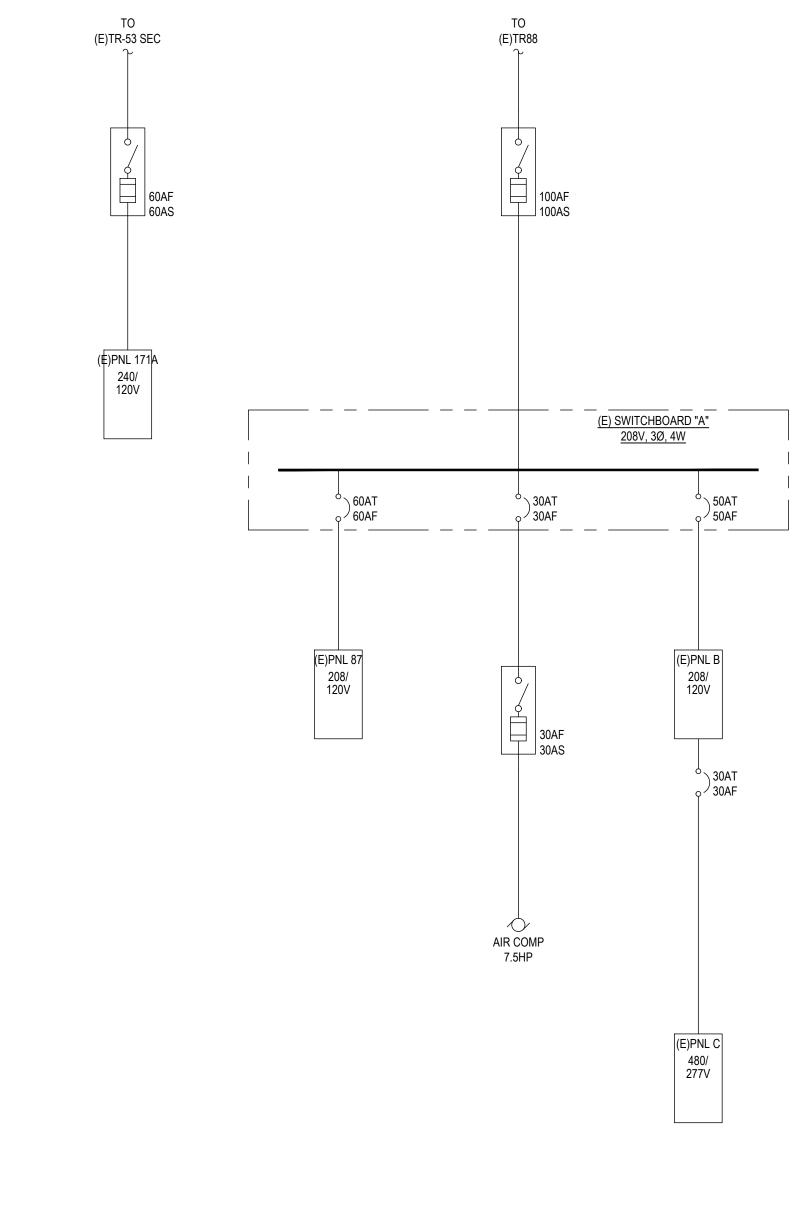
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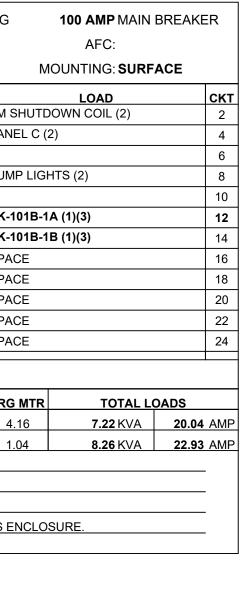
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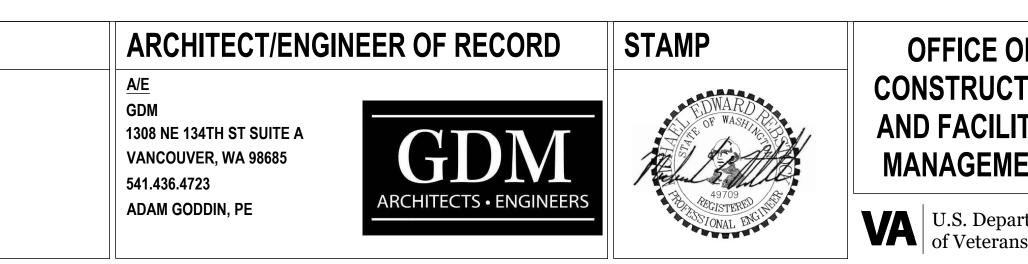












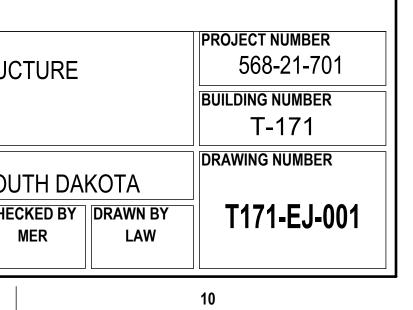
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CE OF RUCTION CILITIES	BUILDING T-171 ELECTRICAL ONE-LINE & PANEL SCHEDULES	PHASE 100% CONSTRUCTION DOCUMENTS	EHRM INFRASTE	RUCT
	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FLS FULLY SPRINKLERED	LOCATION FORT MEADE, S ISSUE DATE 11/05/2024	SOUT CHECK ME
	7	8	9	

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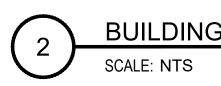
_	1	2		3	
	THIS DRAWING WAS PRODUCED FROM ORIGINAL		-701 FORT MEADE EHRM		208/120 VO
	AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO	30-DAY DEN VOLTS: 208 V 3PH/4W	MAND: PANEL : 296-A FEEDER RATING: OCPD RATING:	200 A 200 A	LOCATION: C2 SERVING: CR
	FIELD VERIFY ALL CONDITIONS.	PEAK DEMAND, MEASURED FROM	07/29/24 - 08/01/24:	130.06 A	СКТ 1 RK-104-1A
		POWER FACTOR: 1	DIVIDE BY: 100%	46.85 KVA	3 - 5 -
		MAX. DEMAND AT 125% (NEC 220	87): 125%	58.57 KVA	7 T296-RECI 9 TR RM 104 11 SPARE (1)
		NEW LOAD ADDED		12.7 KVA	13 SPARE (1) 13 SPARE (1) 15 SPARE (1)
		MAXIMUM DEMAND AT 125% PLU MAXIMUM DEMAND AT 125% PLU	S NEW LOAD IN AMPS:	71.23 KVA 197.7 A	17 SPACE 19 SPACE
		EXISTING FEEDER CAPACITY IN AM NEW DEMAND LOAD DOES NOT E>	PS: (CEED EXISTING FEEDER AMPACITY(?):	200 A YES	21SPACE23SPACE
					25 SPACE 27 SPACE
					29 SPACE PHASE LOA
					LOAD TYPE CONNECTED L
					CALCULATED I NOTES: <u>NE</u>
					<u>PR</u> 1.1
					2.0
				ТО	
	GENERAL DEMOLITIO	O INITIATION OF WORK TO	G (E)BLDG T-296 G 208V	EN (E)XFMR 'TR-40	'
	ASCERTAIN THE CONDITIONS AND LIM CONSTRUCTION.		0 ∖100AT		
	2. COORDINATE ANY INTERRUPTIONS OF EQUIPMENT WITH COR PRIOR TO DEM CONSTRUCTION.		0 /100AF		
	<u>DEMOLITION KEYNO</u>	TES			
	(D1) EXISTING SERVICE DISCONNECT TO BE R FEEDERS TO REMAIN FOR REUSE.	EMOVED. EXISTING			(D1)
					AS
				● ● (E)A E /N 208/	TS T-296 BLDG T-296 /120V
				(E)PNL 296A 208Y/ 120V	(E)PNL 296 208Y/ 120V
				225A MLO	225A MLO
		$\left(1 \right)$	BUILDING T-296 SCALE: NTS	ELECTRICA	L DEMO
			SCALE. INTS		
	Revisions:		Date:	NSULTANT	
				TRICAL ENGINEER	
				NE 134TH ST SUITE A	
			541.4	COUVER, WA 98685 36.4723	
			МІСН	AEL REBSTOCK, PE	
	A FORM 08-6231	-	J		1
	1	2		3	

208/120 VOLT	3	PHASE	2	I WIRE		PAN	EL	100 AMI	BUS RAT	TING	100 AMP MAIN	BREAKE	ER
LOCATION: C200		SUF	PLIED BY	: (E) ATS	(N):	296-I	E-C200	SCCF	R: 22,000 A		AFC:		
SERVING: CRITICA	AL LOADS							FEED	FEED: TOP MOUNTING: FLUSH				
скт	LOAD		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE		LOAD		ск
1 RK-104-1A (1)			D	2.500	20/3	Α	45/2	4.560	м	T296-CU-1 (1)		2
3 -			-	-	-	В	-	-	-	-			4
5 -			-	-	-	С	20/3	2.500	D	RK-104-1B (1)		6
7 T296-RECP-1 (1)		R	0.180	20/1	Α	-	-	- 1	-			8
9 TR RM 104 LIGH	HTS (1)		L	0.104	20/1	В	-	-	- 1	-			10
11 SPARE (1)			S	-	20/1	С	20/1	0.720	R	TR 104 RECE	EPTACLES (1)		12
13 SPARE (1)			S	-	20/1	Α	20/1	0.720	R	TR 104 RECE	EPTACLES (1)		14
15 SPARE (1)			S	-	20/1	В	20/1	-	S	SPARE (1)			16
17 SPACE			S	-	-	С	20/1	-	S	SPARE (1)			18
19 SPACE			S	-	-	Α	20/1	-	S	SPARE (1)			20
21 SPACE			S	-	-	В	-	-	S	SPACE			22
23 SPACE			S	-	-	С	-	-	S	S SPACE			24
25 SPACE			S	-	-	Α	-	-	S	SPACE			26
27 SPACE			S	-	-	В	-	-	S	SPACE			28
29 SPACE			S	-	-	С	-	-	S	SPACE			30
PHASE LOAD	PHASE A=	4.85	_KVA	PHASE B=	4.05	_KVA F	PHASE C=	2.39	_KVA				I
LOAD TYPE	APPL	DED	HEAT	КІТСН	LTS		MTR	RCPT			TOTAL LO	DADS	
CONNECTED LOAD		5.00			0.10		4.56	1.62		4.56	11.28 KVA	31.32	AM
CALCULATED LOAD		5.00			0.13		4.56	1.62		1.14	12.45 KVA	34.56	i AM
NOTES: NEW WO	ORK IN BOL	D											_
PROVID	E WITH 2009	<u>% RATED</u>	NEUTRAL.										_
<u>1. PROV</u>	IDE NEW BF	REAKER.	SIZE AS INI	DICATED ON TH	IS SCHEDU	ILE.							_
2. CIRCL	JIT MOVED	FROM EX	ISTING PAI	NEL 296-A. RER	<u>DUTE EXIS</u>	TING COND	UIT AND CONDU	CTORS TO	NEW BREA	KER.			

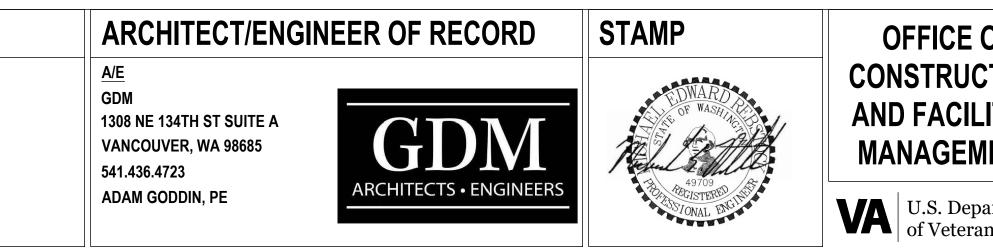
CAL DEMOLITION ONE-LINE

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(E)PNL 296B 208Y/ 120V



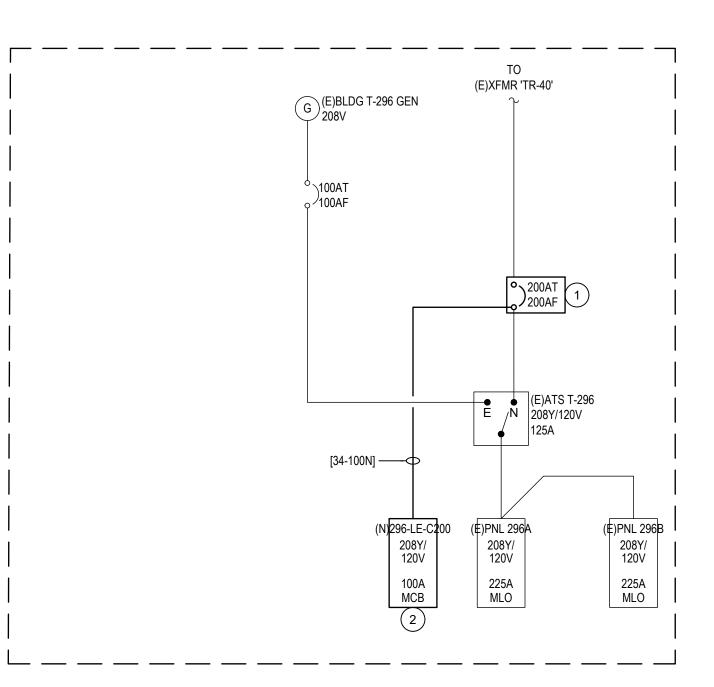
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E OF ICTION ILITIES	DRAWING TITLE BUILDING T-296 ELECTRICAL C PANEL SCHEDULES	NE-LINES &	PHASE 100% CONSTRUC DOCUMENTS	TION	PROJECT TITLE EHRM INFRASTE UPGRADES	RUCT
MENT	APPROVED: Project Director		FLS		LOCATION FORT MEADE, S	SOUT
epartment rans Affairs	FOR OFFICIAL USE ONLY	′ (FOUO)	FULLY SPRI	NKLERED	ISSUE DATE 11/05/2024	CHECK ME
	7		8		9	

BUILDING T-296 ELECTRICAL REMODEL ONE-LINE

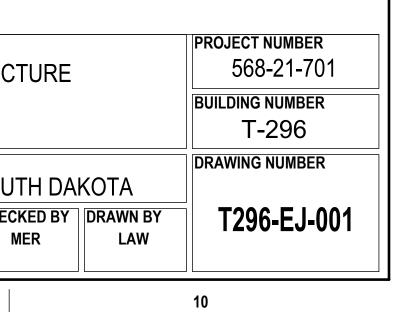


GENERAL NOTES

- 1. COORDINATE ANY INTERRUPTIONS OF SERVICE FOR EXISTING EQUIPMENT WITH COR PRIOR TO DEMOLITION OR CONSTRUCTION.
- 2. REFER TO ELECTRICAL FEEDER SCHEDULE ON SHEET 000-EG-001 FOR ADDITIONAL INFORMATION AND FEEDER REQUIREMENTS.

KEYNOTES

- 1 PROVIDE NEW 200A/3P, 100% RATED ENCLOSED CIRCUIT BREAKER RATED AT 208V, IN NEMA 1 ENCLOSURE. RECONNECT EXISTING FEEDERS. PROVIDE ENCLOSED CIRCUIT BREAKER WITH NEW DOUBLE LUG KIT.
- 2 CONTRACTOR TO PROVIDE NEW 208Y/120V, 100A, PANEL. REFER TO ASSOCIATED 'EP' SHEET FOR LOCATION OF NEW PANEL.



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B	 NFPA 13: STANDARD FOR TH NFPA 70: NATIONAL ELECTR NFPA 70E: STANDARD FOR E NFPA 72: NATIONAL FIRE AL/ NFPA 75: STANDARD FOR TH TECHNOLOGY EQUIPMENT, 7 NFPA 101: LIFE SAFETY COD NFPA 241: STANDARD FOR S AND DEMOLITION OPERATIC NFPA 291: RECOMMENDED F MARKING OF HYDRANTS, 202 NFPA 2011: STANDARD ON C 2022 DEPARTMENT OF VETERANS AFFA VA FIRE PROTECTION DESIG DEFINITIONS SF INSTALLATION AND TERMIN AND CABLE. TELECOMMUN DATA CENTERS, MAIN COM VERTICAL PATHWAYS, ETC USED INTERCHANGEABLY V A. DATA CENTER ROOM ANSI/TIA-942-B PLANN B. ENTRANCE ROOM 137 ANSI/TIA-942-B PLANN B. ENTRANCE ROOM 137 ANSI/TIA-942-B PLANN INFRASTRUCTURE ST TABLE 3. TELECOMMUNICATIONS RC DIFFERS FROM EQUIPMENT SPACE IS A FLOOR-SERVIN BETWEEN BACKBONE AND "TELECOM CLOSET," "PHON FRAME (IDF)," ETC. ARE NO ABBREVIATION "TR." A. THE TYPICAL TELECCOM 	OCIATION (NFPA) OCIATION (NFPA) ORTABLE FIRE EXTINGUISHERS, 2022 IE INSTALLATION OF SPRINKLER SYSTEMS, 2022 IECTRICAL SAFETY IN THE WORKPLACE, 2021 ARM AND SIGNALING CODE, 2022 IE FIRE PROTECTION OF INFORMATION 2020 E, 2021 AFEGUARDING CONSTRUCTION, ALTERATION, NS, 2022 PRACTICE FOR WATER FLOW TESTING AND 22 LEAN AGENT FIRE EXTINGUISHING SYSTEMS NRS IN MANUAL, 9TH EDITION, NOVEMBER 2023 PACE: AN AREA USED FOR HOUSING THE IATION OF TELECOMMUNICATIONS EQUIPMENT ICATIONS SPACES INCLUDE ENTRANCE ROOMS, PUTER ROOMS, HORIZONTAL PATHWAYS, . THE TERM "IT SUPPORT SPACE." 132 IS A TELECOMMUNICATION SPACES WITH A IED RATING OF 3. 7B IS A TELECOMMUNICATION SPACES WITH IED RATING OF 1 AS IDENTIFIED IN THE OIT 'ANDARD FOR TELECOMMUNICATION SPACES, DOM (TR): A TELECOMMUNICATION SPACES WITH IED RATING OF 1 AS IDENTIFIED IN THE OIT 'ANDARD FOR TELECOMMUNICATION SPACES, DOM (TR): A TELECOMMUNICATION SPACES WITH IED RATING OF 1 AS IDENTIFIED IN THE OIT 'ANDARD FOR TELECOMMUNICATION SPACES, DOM (TR): A TELECOMMUNICATION SPACES, DOM (TR): A TELECOMMUNICATION SPACE THAT I ROOMS AND ENTRANCE ROOMS IN THAT THIS G SPACE THAT PROVIDES A CONNECTION POINT HORIZONTAL CABLING. THE TERMS "CLOSET," IE CLOSET," "INTERMEDIATE DISTRIBUTION LONGER USED. BLUEPRINTS ARE TO USE THE DMMUNICATION ROOM FOR THIS PROJECT HAS	 CONTRACTORS F CALCULATIONS A SYSTEMS. SPRINKLER SHOP INSTALLATION OF MAINTAINED AT A ALL PIPE LOCATIO AND INSTALLATIO ALL PIPE LOCATIO AND INSTALLATIO ALL PIPES AND H/ HANGERS ARE TO ALL VALVES SHAL FUNCTION AND B ALL VALVES SHAL FUNCTION AND B ALL VALVES CON' SPRINKLER SYST APPROVED CENT SPRINKLER PIPE / 10. PIPE JOINTS MUS FITTINGS, MECHA PRODUCTS OF TH THE INSTALLER S THE PRESENCE O ALL SYSTEM PIPIN TWO HOURS OR / WHICHEVER IS GF PROVIDE AIR VEN NFPA 13-2022 16.7 ALL SPRINKLER P FIRE SUPPF TELECOMM ALL SPRINKLER P 	OR SUPPRESSION ND WORKING DI DRAWINGS SHA ANY PIPE. A SE LL TIMES. DNS ARE TO BE NS ARE TO BE NS ARE TO BE NS PRINKLE DWN FOR SCHEI AYOUT AND AR ANGERS ARE TO DE U.L. LISTED L HAVE A PERM UILDING PROTE TROLLING THE V EMS SHALL BE F RAL STATION. AND FITTINGS M T CONFORM TO NICAL COUPLIN IE SAME MANUF HALL PERFORM OF THE FIRE INSI NG SHALL BE HY AT 50 PSI ABOVE REATER. NG SERVING TH W PIPING TO DR ITING AT HIGH P IPING TO BE PA RESSION SUPPRESSION S M AS REQUIRED	MATIC PURPOSES ONLY. CONTRACTOR TO RANAGEMENT ON SHOP DRAWINGS. D BE INSTALLED PER NFPA 13 (2022). OR F.M. APPROVED. IANENTLY AFFIXED SIGN INDICATING CTED. WATER SUPPLY FOR AUTOMATIC ELECTRICALLY SUPERVISED BY AN IUST BE METAL. NFPA 13 GS, AND RUBBER GASKETS MUST BE FACTURER. I ALL REQUIRED ACCEPTANCE TESTS IN PECTOR DROSTATICALLY TESTED AT 200 PSI FOR THE SYSTEM OPERATING PRESSURE, E MAIN COMPUTER ROOM SHALL BE RAIN COMPLETELY TO MINIMIZED TRAPPED POINTS IN THE SYSTEM AS REQUIRED BY
		ANNED RATING OF 1 AS IDENTIFIED IN THE OIT			Y WITH NFPA 2001. IRE PROTECTION DESIGN MANUAL,
	TABLE 3.	ANDARD FOR TELECOMMUNICATION SPACES,	TELECOMMUNIC	ATION SPACES S	SHALL BE PROVIDED WITH COMPLETE WET
					RAGE. SPRINKLERS MUST BE FUSIBLE LINK RD RESPONSE HEADS, INTERMEDIATE
	FIRE EXTINGUIS	пекэ			LISTED MECHANICAL GUARDS.
		NT OR CO2 EXTINGUISHERS AND NEW FIRE FOR ALL TELECOMMUNICATIONS ROOMS (TRs)			
	AND TELECOMMUNICATION	ENCLOSURES (TES) OUTSIDE OF THE ROOM,		RESSION	I SUMMARY FOR
С		FEET AWAY. COORDINATE LOCATIONS OF NEW TECTURAL DRAWINGS. THE TOTAL QUANTITY			
	OF TR AND TE CLEAN AGEN	IT FIRE EXTINGUISHERS AND CABINETS IS	TELECOWIN	UNICAI	ION ROOMS
	QUANTITY 30. 2. PROVIDE QUANTITY 2 NEW	CLEAN AGENT OR CO2 EXTINGUISHERS AND	1. EXISTING SPRINKL	ERS SHALL NOT	BE REINSTALLED AFTER REMOVAL.
	TWO FIRE EXTINGUISHER (CABIENTS FOR THE MAIN COMPUTER ROOM	_		PROTECTED BY THE EXISTING SPRINKLER
	WITHIN THE DATA CENTER 3. PROVIDE QUANTITY 1 NEW	ROOM 132. CLEAN AGENT OR CO2 FIRE EXTINGUISHER AND			D WALLS, SMOKE DETECTION, OR A
	A FIRE EXTINGUISHER CAB	INET FOR ENTRANCE ROOM 137B.	GASEOUS SUPPRE 3. EXISTING FIRE SPR		TS MUST BE MODIFIED AS NEEDED FOR
		EXTINGUISHER SIGNAGE FOR EVERY NEW FIRE SIGN TYPE SHALL BE 9" HIGH X 9" WIDE,			ND OBSTRUCTIONS IN ACCORDANCE
	ACRYLIC PLAQUE WITH ALL	JMINUM BRACKET FOR FLAG MOUNTING.	WITH NFPA 13.		
		BE DIRECT DIGITAL PRINT ON SECOND SURFACE AND SYMBOL SHALL BE WHITE. BACKGROUND			CHANGE, SPRINKLERS WILL BE HEIGHT IN ACCORDANCE WITH NFPA 13.
		HY SHALL BE HELVETICA BOLD. MINIMUM	5. ALL TELECOMMUN	ICATION ROOMS	S TO BE PROTECTED AS LIGHT HAZARD
		BOTTOM OF THE SIGN SHALL BE 80". MOUNT	AS DEFINED BY NF 6. PROVIDE INTERME		ATURE, STANDARD RESPONSE, FUSIBLE
		TINGUISHER CABINET. REFER TO VA SIGNAGE SIGN IN-01.31 FOR LAYOUT OF SIGNAGE.			OMMUNICATION ROOMS, ENCLOSURES,
	DESIGN WANDAL, FO 10-10,	SIGN IN-01.51 FOR LATOUT OF SIGNAGE.	AND ENTRANCE RO	OMS. PROVIDE	MECHANICAL GUARDS.
					IDARD AND QUICK RESPONSE IENT AS DEFINED BY NFPA 13.
	FIRESTOPPING C	OF WALL PENETRATIONS			IENT AS DEFINED BY NIFA 13.
D	1. AS OUTLINED IN SPECIFICA	TION 07 84 00, THE CONTRACTOR IS REQUIRED	-		
		LENT FIRESTOPPING SYSTEMS FOR THE			
		N WALLS, FLOORS, AND ROOF DECKS AGAINST IEAT AND SMOKE OR GASES IN FIRE RESISTANT			ND NOTIFICATION -
	RATED CONSTRUCTION.		GENERAL N	OTES	
		JIRED TO ENGAGE A QUALIFIED THIRD PARTY NSPECTIONS AND FINAL REPORTS OF ALL			
	FIRESTOPPING SYSTEMS.				TO PROVIDE ALL LABOR, MATERIALS, S REQUIRED FOR THE INSTALLATION AND
	-	ED FIRESTOPPING SYSTEM IS REQUIRED FOR NETRATIONS THROUGH RATED WALLS.	INTEGRATION OF		ALARM DEVICES WITH THE EXISTING FIRE
	INCLUDING BUT NOT LIMIT	ED TO:	ALARM SYSTEM.	HIS PROJECT IS	TO BRING TELECOMMUNICATION SPACES
	A. CABLE TRAY PENETR B. OTHER CABLE PENET		AND ROOMS WITH	IN THE EHRM P	ROGRAM INTO COMPLIANCE WITH
	C. PIPE PENETRATIONS				. THIS INCLUDES THE MODIFICATION OF IN THE SCOPE OF WORK AREAS.
	D. DUCT PENETRATIONS E. 1 HOUR. 2 HOUR. AND	3 3 HOUR RATED WALL ASSEMBLIES			FIRE ALARM SYSTEM SHALL BE DESIGNED
	4. THE CONTRACTOR MUST R	EQUEST A PERMIT ON ALL FIRE AND/OR SMOKE			WITH THE VA FIRE PROTECTION DESIGN 0-2020, AND NFPA 72-2022.
	RATED WALLS THAT REQUI WORK.	RE NEW PENETRATIONS TO ACCOMPLISH THE	3. FIRE ALARM CON	TRACTOR IS RE	SPONSIBLE FOR DEVELOPING
	5. THE CONTRACTOR MUST S	UBMIT ALL PROPOSED PENETRATIONS			INGS FOR THE MAIN COMPUTER ROOM.
Е		NOR TO BEGINNING CONSTRUCTION. THE UL	PLAN CHANGES.		
	IDENTIFIED. THE FIRESTOP	PING PENETRATIONS WILL NEED TO BE			L MATCH EXISTING MANUFACTURER AND
		ELECTED SYSTEM NUMBERS. EAL ANY PENETRATIONS IN RATED WALLS THAT	STROBES SHALL	BE WHITE FINIS	H TO MATCH EXISTING DEVICES.
	ARE ABANDONED DUE TO V	VORK COMPLETED FOR THIS SCOPE IN			TE AND VERIFY DEMOLITION OR NER PRIOR TO COMMENCING WORK TO
		ED PENETRATION ASSEMBLY CORRESPONDING ING OF THE BARRIER BEING PENETRATED.	PREVENT INTERR	UPTION OF SER	RVICE.
					RIX IS PROVIDED FOR NEW DEVICES . ALL OTHER INPUTS SHALL MATCH
	TEMPORARY FIR	E SUPPRESSION	EXISTING PANEL.		
		EM WILL BE MODIFIED AS NECESSARY TO			DE BOTH AUDIBLE AND VISUAL ALARMS TO MEET NFPA AND VA REQUIREMENTS.
	MAINTAIN PROTECTION DU	RING ALL CONSTRUCTION, ALTERATION, AND	PROVIDE SMOKE	DETECTION IN T	ELECOMMUNICATION SPACES IN
	DEMOLITION. SUPPRESSIO OPERATIONAL THROUGHO	N SYSTEM IS TO BE MAINTAINED AS	ACCORDANCE WI AND NFPA 72.	IT VA FIRE PRC	DTECTION DESIGN MANUAL SECTION 3.7.C
	2. IN ACCORDANCE WITH NFP	A 241, EITHER TEMPORARY RATED			DTIFICATION AND DETECTION DEVICES IN
		OR CONTINUED FIRE SPRINKLER COVERAGE AFETY PROTECTION DURING CONSTRUCTION.	9. PROVIDE NEW AU		RN STROBE UNITS WITH COMBINATION
	CONTINUOUS FIRE SPRINK	LER COVERAGE MUST COMPLY AS FOLLOWS: IN		IING ALARM STR	ROBE AS SPECIFIED IN THE FOLLOWING
		G DROP CEILING IS REMOVED FOR HIS SCOPE OF WORK, NEW UPRIGHT	10. ALL NEW FIRE AL	ARM WIRING IS	TO BE INSTALLED IN STEEL EMT CONDUIT.
F	SPRINKLERS ARE REQUIRE	D TO BE PROVIDED TO MATCH THE DECK			INTED COLOR RED.
•		INGS THAT ARE TEMPORARILY REMOVED PRINKLER HEADS TO BE TEMPORARILY			
	INSTALLED UNTIL THE NEW	DROP CEILING IS INSTALLED AND NEW	FLOW TEST		
		E INSTALLED. ANY SPRINKLER WHICH IS PENDENT INSTALLATION MUST BE REPLACED			
	WITH A NEW PENDENT SPR	INKLER. SPRINKLERS CANNOT BE REMOVED	-	-	S PROJECT'S CONTRACTOR TO PROVIDE A
	AND REINSTALLED. 3. PER NFPA 241-2022 EDITION	N, 8.7.3.1 - IF AUTOMATIC SPRINKLER	REQUIREMENTS	OF NFPA 13 AND	NFPA 291, PRIOR TO SUBMITTING FIRE
	PROTECTION IS TO BE PRO	VIDED, THE INSTALLATION SHALL BE PLACED IN	SPRINKLER SHOP 2. PRELIMINARY FLO		MATION IS PROVIDED ON SHEET MCR-
	SERVICE AS SOON AS PRAC	JICABLE.	FP-105.		
		Revisions:	1	Date:	
					CONSULTANT
					FIRE PROTECTION ENGINEERING
					GDM
					1308 NE 134th St., Suite A
					Vancouver, WA 98685
					541.436.4723
					Conrad Chandler, PE
					1

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REMOTE MAXIMUM AREA HOSE SPRINKLER CHARACTERISTIC				R CHARACTERISTIC	S						
MARK			DENSITY GPM/SF	AREA SQ FT	PER SPRINKLER SQ FT		TYPE	K-FACTOR	FINISH	CODE REFERENCES	NOTES
	LIGHT HAZARD	WET	0.10	1500	225	100	SEE NOTES	5.6	SEE NOTES	NFPA 13-2022 Table 10.2.4.2.1(a), Table 19.2.3.1.1, Table 19.2.3.1.2,	1,2,3,4,6,7
	ORDINARY HAZARD (GROUP 1)	WET	0.15	1500	130	250	SEE NOTES	5.6	SEE NOTES	NFPA 13-2022 Table 10.2.4.2.1(b), Table 19.2.3.1.1, Table 19.2.3.1.2	1,2,3,4,5,6,7
	ORDINARY HAZARD (GROUP 2)	WET	0.20	1500	130	250	SEE NOTES	5.6	SEE NOTES	NFPA 13-2022 Table 10.2.4.2.1(b), Table 19.2.3.1.1, Table 19.2.3.1.2	1,2,3,4,5

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IN ACCORDANCE WITH THE VA FIRE PROTECTION DESIGN MANUAL, ALL SPRINKLERS ARE REQUIRED TO BE FM APPROVED NOTE 1: PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS IN MECHANICAL, ELECTRICAL, TELECOMMUNICATION SPACES, TELE NOTE 2: NOTE 3: WHERE CEILINGS ARE NOT PROVIDED, USE QUICK RESPONSE BRASS UPRIGHT SPRINKLERS, UNLESS OTHERWISE NOTED TELECOMMUNICATION ROOMS. PROVIDE LISTED MECHANICAL GUARDS FOR SPRINKLERS IN ALL TELECOMMUNICATION R NOTE 4: WHERE CEILINGS ARE PRESENT, USE WHITE QUICK-RESPONSE SPRINKLERS, UNLESS OTHERWISE NOTED. NOTE 5: IN TELECOMMUNICATION SPACES, PROVIDE STANDARD RESPONSE SPRINKLERS. NOTE 6:

PROVIDE LISTED GUARDS FOR SPRINKLERS IN ROOM 132 DATA CENTER, ROOM 137B ENTRANCE ROOM A, AND ALL TELEC NOTE 7: PROVIDE FUSIBLE LINK SPRINKLERS IN TELECOMMUNICATION ROOMS, ROOM 132 DATA CENTER, AND ROOM 137B ENTRAN

		SCOPE OF WORK F 1, AND OTHER AFFI		MMUNICATION ROOMS, E ES	INTRANCE ROOMS, MAIN	Light Hazard (Note A)	Ordinary Hazard Group 1 (Note B)	Ordinary Hazard Group 2 (Note C)	Smoke Detection Required (Note D)	Clean Agent Fire Extingu and Cabinet Required
		NORK AREAS					B	C	D	
	Building	Current Room #	Room #	Department	Function	A	D	L	No	Yes
1	40	102		Carpentry	TE				No	Yes
2	46	B101	B105		TE				No	Yes
2	48	102E	100	Logistics Law Enforcement	TE				No	Yes
<u>5</u> л	50	B101		Post Office	TE				No	Yes
4 c						•				
5	53	B108		Finance/ CITC	TR Abandoned TD	•			No	Yes
0	53	TE304		Finance/CITC	Abandoned TR	•			No	No
/	88	100A		CWT		•			No	Yes
8	89	200		Engineering	TR	•			No	Yes
9	90	109		Education		•			No	Yes
10	103	-		Bowling/Storage	TE	•			No	Yes
11	110	102		Storage	TE	•			No	Yes
12	113	B01		Pharmacy/Basement	TR	•			No	Yes
13	113	EC1F		Pharmacy 1st floor	Electrical Room		•		No	No
14	113	TC1A	n/a	Main entrance	Abandoned TR	•			No	No
15	113	169	169A	-	TR	•			No	Yes
16	113	187A		Office	TR	•			No	Yes
17	113	192		Cashier/Office	Office Remodel	•			No	No
18	113	EC1C	169	Radiology	TR	•			No	Yes
19	113	EC1E	n/a	Primary Care/ BioMed	TR	•			No	Yes
20	113	S104	TCS103	Surgery Tower	TR	•			No	Yes
21	113	TCS103	TCS103	Surgery Tower	TR	•			No	Yes
22	113	TC2A	n/a	Med/Surg	Abandoned TR	•			No	No
23	137	104	104	Boiler Plant	TE	•			No	Yes
24	144	TE	n/a	Hoptel	TE	•			No	Yes
25	145	TC1A	122B	1st floor	TR	•			No	Yes
26	145	139B	n/a	PBX room	Storage			•	No	No
27	145	TC2A	229A	2nd floor	TR	•			No	Yes
28	145	TC3A		3rd floor	TR	•			No	Yes
29	146	117		NFS	TR	•			No	Yes
30	147	109	n/a	Laundry	TE	•			No	Yes
31	148	ATC2		Director's office	TR	•			No	Yes
32	148	FTC1		E & G ward	TR	•			No	Yes
33	148	CTC1		Mental Health	TR	•			No	Yes
34	T171	100		Garage	TE	•			No	Yes
<u>35</u>	T296	-		Fire Station	TR	•			No	Yes
55		COMPUTER ROOM								
36	145	132		MCR	Data Center				Yes	Yes - Quantity 2
<u>30</u> 37	145	145-132A		MCR	Clean Agent Room				Above RSFACU only	
							▼			
38	145	137B	137B	Entrance Room	Entrance Room		-		Vac	Vac
30	THJ	1310	1310				B	С	Yes D	Yes

THIS SYMBOL INDICATES SCOPE INCLUDED AS PART OF THIS CONSTRUCTION CONTRACT. "YES" ALSO INDICATES SCOPE INCLUDED AS PART OF THIS CON NOTES:

FIRE SPRINKLER MODIFICATIONS WILL BE LIMITED TO SPACES BEING REMODELED AND IMPACTED ADJACENT SPACES, HOWEVER, THE EXISTING SPACES Α. EXISTING OVERHEAD FIRE SPRINKLER SYSTEMS ARE TO BE MODIFIED BY RELOCATING EXISTING SPRINKLER HEADS AND BRANCH PIPING AS NECESSAR' BRANCH LINE WILL NEED TO BE REPLACED WITH SCHEDULE 40 PIPE. FIRE SPRINKLER COVERAGE WITHIN EACH RENOVATED SPACE WILL BE MODIFIED TO SYSTEMS WILL INCLUDE COORDINATION OF FIRE SYSTEM SHUT-DOWN AND DRAINAGE ON EACH FLOOR LEVEL. SHUT DOWN OF A MONITORED SPRINKLE BUILDING OR FLOOR LEVEL DURING THE ENTIRE PERIOD THE SPRINKLER SYSTEM IS SHUT-OFF.

ORDINARY HAZARD GROUP 1 CLASSIFICATIONS REQUIRED PER VA MASTER SPECIFICATION 21 13 13 1.3.A.2.b ORDINARY HAZARD GROUP 2 CLASSIFICATIONS REQUIRED PER VA MASTER SPECIFICATION 21 13 13 1.3.A.2.c

D. THE TELECOMMUNICATIONS ROOMS HAVE BEEN DESIGNATED AS AN ANSI/TIA-942-B RATING 1 SPACE/NON-MISSION CRITICAL AND WILL THEREFORE NOT CONTRACTOR TO DEMOLISH EXISTING SMOKE DETECTORS IN TELECOMMUNICATION ROOMS AS APPLICABLE.

ARCHITECT/ENGINEER OF RECORD

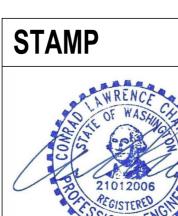
<u>A/E</u> GDM

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1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE

GI **ARCHITECTS • ENGINEER**

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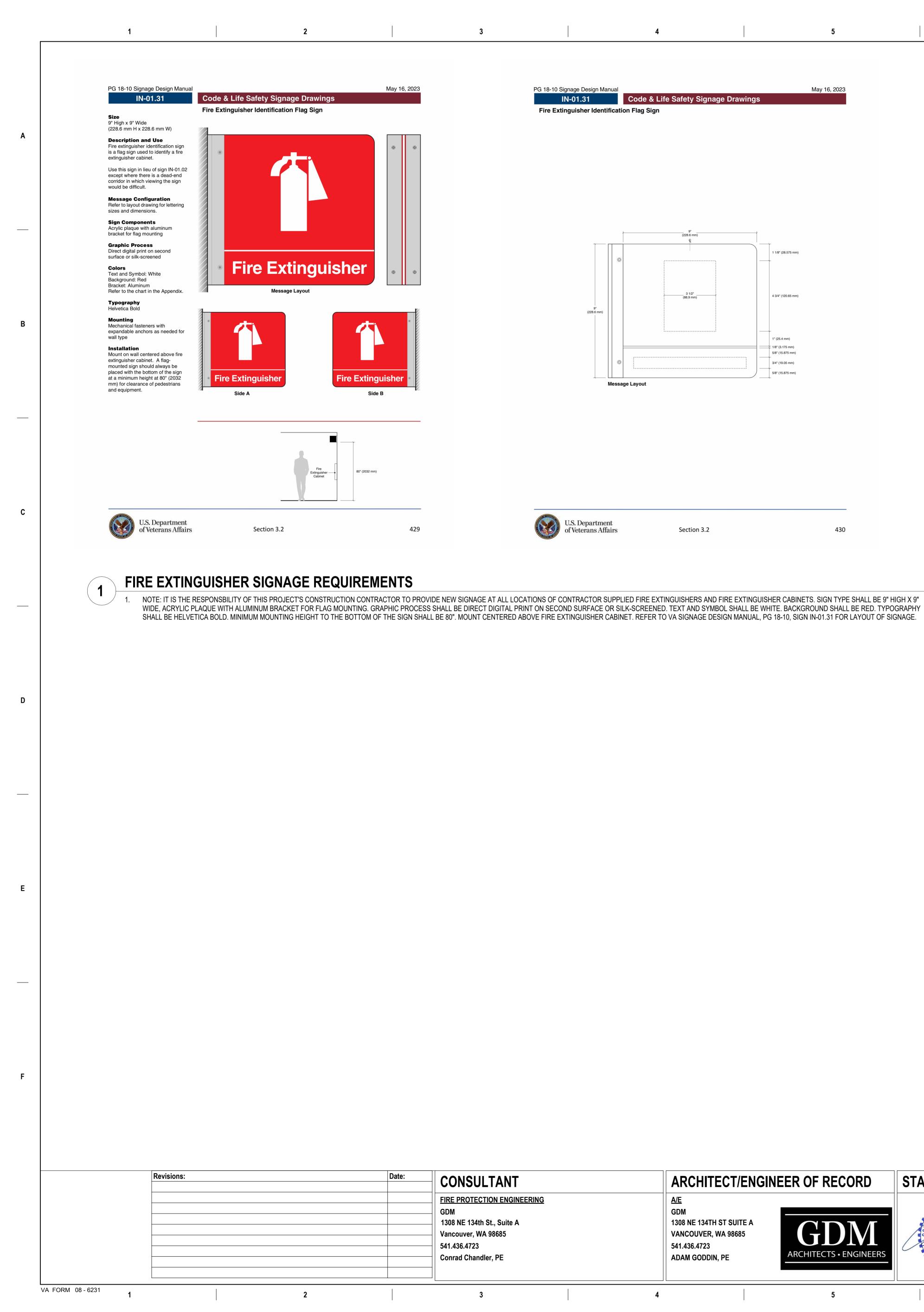
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					EAN AGENT SUPPRESSION SYSTEM LEGEND
	SPRINKLER	CHARACTERISTICS		RSF	SFACU RELEASING SERVICE FIRE ALARM CONTROL UNIT
K-FA	CTOR	FINISH			SPD SURGE SUPPRESSION DEVICE
5.6		SEE NOTES	NFPA 13-2022 Table 10.2.4.2. Table 19.2.3.1.1, Table 19.2.3.	.2, 1,2,3,4,6,7	CA CLEAN AGENT SYSTEM MANUAL PULL STATION
5.6		SEE NOTES	NFPA 13-2022 Table 10.2.4.2. Table 19.2.3.1.1, Table 19.2.3.	(b), .2 1,2,3,4,5,6,7	CA CLEAN AGENT SYSTEM ABORT SWITCH
56			NFPA 13-2022 Table 10.2.4.2.	(b),	KM KEYED MAINTENANCE SWITCH
5.6		SEE NOTES	Table 19.2.3.1.1, Table 19.2.3.	.2 1.2.3.4.5	SOLENOID VALVE
			R TEMPERATURES WHERE RE		CT DISCRETE OUTPUT - DRY CONTACT
). PRC OOMS		ARD RESPONSE, UPR	RIGHT, BRASS, AND FUSIBLE LI		CLEAN AGENT SYSTEM DISCHARGE RED STROBE
OMM	UNICATION R	OOMS.			CLEAN AGENT SYSTEM PRE-DISCHARGE AMBER STROBE
NCE R	ROOM.				
	inary Hazard	Smoke Detection	Clean Agent Fire Extinguishe		VS VALVE SUPERVISORY SWITCH PS PRESSURE SWITCH
Grou	up 2 (Note C)	Required (Note D)	and Cabinet Required		AIM ADDRESSABLE INPUT MODULE
	L	D No	E Yes		CLEAN AGENT ZONE BOUNDARY
		No No	Yes Yes	В	BATT SECONDARY POWER SUPPLY (BATTERY)
		No No	Yes		
		No	Yes		
		No No	No Yes		
		No No	Yes		FIRE SPRINKLER SYSTEM LEGEND
+		No	Yes		UPRIGHT SPRINKLER
+		No No	Yes Yes		
		No No	No No		
		No	Yes		ETAIL AND SECTION VIEW LEGEND
		No No	Yes No		
		No No	Yes Yes		DETAIL/SECTION TITLE
		No	Yes		SECTION, DETAIL OR ELEVATION
		No	No		XX SECTION, DETAIL OR ELEVATION TITLE
		No No	Yes Yes		X-XXX PLATE NUMBER WHERE SECTION,
	•	No No	Yes No		DETAIL OR ELEVATION IS TAKEN
		No	Yes		DETAIL CALLOUT SYMBOL
		No No	Yes Yes		
		No No	Yes Yes		
		No No	Yes		PLATE NUMBER WHERE X-XXX DETAIL IS DRAWN
		No	Yes		SECTION CUT SYMBOL
		No	Yes		
		Yes Above RSFACU onl	Yes - Quantity 2 ly No		PLATE NUMBER WHERE
		Yes	Yes		SECTION IS DRAWN
	C	D	E		
Y FOR (O PROV R SYST	ERVED BY PVC E Changes to Sp. /IDE light haza 'Em Will Requif	ACE FUNCTION, NEW DUC ARD OCCUPANCIES BASED RE NOTIFICATION OF THE I	NEED TO BE REPLACED IN FULL WITH TWORK AND ELECTRICAL EQUIPMENT ON NFPA 13. MODIFICATIONS TO ACT FIRE DEPARTMENT AND A FIRE WATC	ANY AFFECTED PVC VE FIRE SPRINKLER OF THE ENTIRE	
		PROTECTION	GENERAL AND LEGEND	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLEPROJECT NUMBEREHRM INFRASTRUCTURE568-21-701UPGRADESBUILDING NUMBER145
F ION IES NT		Project Director		FLS	LOCATION FORT MEADE, SOUTH DAKOTA

LEAN A	
	GENT SUPPRESSION SYSTEM LEGEND
RSFACU	RELEASING SERVICE FIRE ALARM CONTROL UNIT
SPD	SURGE SUPPRESSION DEVICE
CA	CLEAN AGENT SYSTEM MANUAL PULL STATION
	CLEAN AGENT SYSTEM ABORT SWITCH
КМ	KEYED MAINTENANCE SWITCH
	SOLENOID VALVE
СТ	DISCRETE OUTPUT - DRY CONTACT
X	CLEAN AGENT SYSTEM DISCHARGE RED STROBE
_	CLEAN AGENT SYSTEM PRE-DISCHARGE AMBER STROBE
\mathbf{X}	
$\langle \underline{S} \rangle_{z}$	ZONE SMOKE DETECTOR
vs	VALVE SUPERVISORY SWITCH
PS	PRESSURE SWITCH
	ADDRESSABLE INPUT MODULE
BATT	CLEAN AGENT ZONE BOUNDARY SECONDARY POWER SUPPLY (BATTERY)
D/ (TT	
DETAIL	AND SECTION VIEW LEGEND
DETAI	IL/SECTION TITLE
	SECTION, DETAIL OR ELEVATION DENTIFICATION MARK
XX s	SECTION, DETAIL OR ELEVATION TITLE
X-XXX P	PLATE NUMBER WHERE SECTION,
	DETAIL OR ELEVATION IS TAKEN
DET	TAIL CALLOUT SYMBOL
DETAIL	AIL CALLOUT SYMBOL
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DETAIL PLATE DETAIL SEC PLAT SEC I	NUMBER TX NUMBER WHERE TX IS DRAWN TX OD CUT SYMBOL TX ION LETTER TX TE NUMBER WHERE TX TON US TON TX VIEW SECTION TX VIEW SECTION TY ROJECT TITLE TX EHRM INFRASTRUCTURE PROJECT NUMBER UPGRADES BUILDING NUMBER
DETAIL PLATE DETAIL SEC PLAT SEC I	AIL CALLOUT SYMBOL
	ROJECT TITLE EHRM INFRASTRUCTURE UPGRADES





IN-01.31 Extinguisher Identi		e & Life Safety Sig Sign	inage Drawin	gs	
	<u> </u>	9° (228.6 mm) C		-	
		<u>و</u>			1 1/8" (28.575 mm)
	Ô			-	-
		3 1/2" (88.9 mm)			4 3/4" (120.65 mm)
9* (228.6 mm) 					
					-
				=	1" (25.4 mm) 1/8" (3.175 mm) 5/8" (15.875 mm)
	0				3/4" (19.05 mm)
	Message Layout	t)	5/8" (15.875 mm)



Section 3.2

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ARCHITECT/ENGINEER OF RECORD

<u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE



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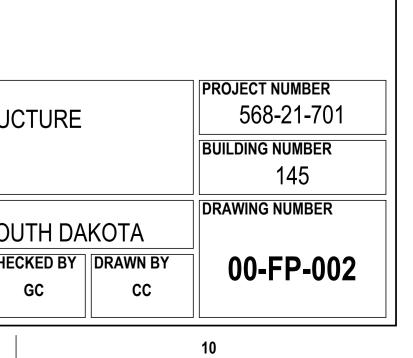


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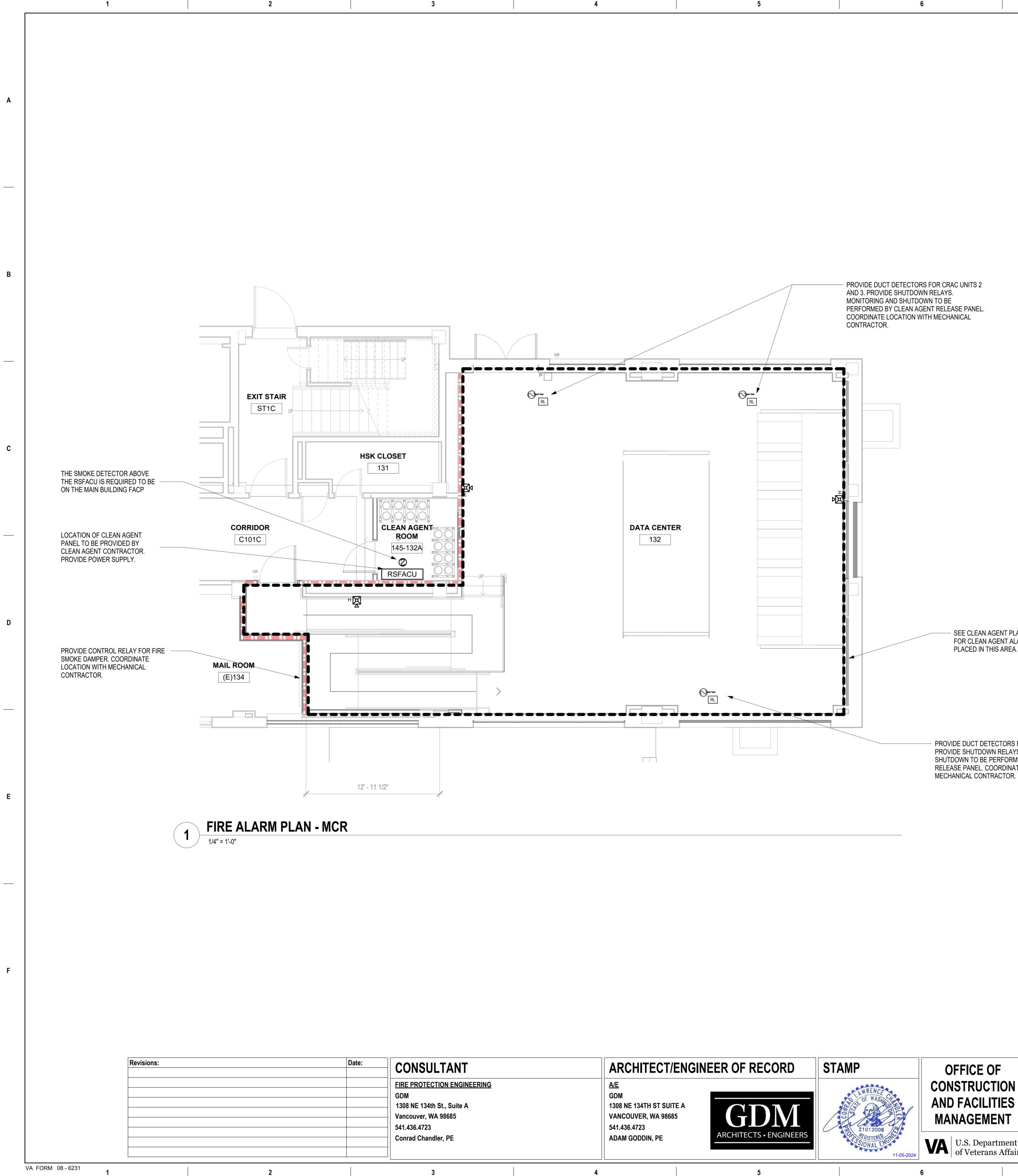
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. Department Veterans Affairs	FOR OFFICIAL USE ONLY (FOUO)		09/27/2024	GC
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CTION ITIES	MCR FIRE ALARM FLOOR PLAN	100% CONSTRUCTION DOCUMENTS	EHRM INFRAST UPGRADES	RUC
MENT	APPROVED: Project Director	FLS	LOCATION FORT MEADE,	SOU
oartment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 09/27/2024	CHECI (
	7	8	9	



UNLOCK

DEDICATED 120V CIRCUITS,

NOTES:

SEPERATE HOME RUN AND INSULATED GROUND.

2 FIRE ALARM ONE LINE DIAGRAM

THE EXISTING BUILDING FIRE ALARM SYSTEM FOR COMMON ALARM, TROUBLE AND SUPERVISORY SIGNALS. EXISTING BUILDING FACP WILL ALSO MONITOR NEW DUCT SMOKE DETECTORS. 7. PROVIDE SHUT DOWN CONNECTIONS FOR CRAC UNITS. 8. SET ALL VISUAL DEVICES TO PROVIDE THE RIGHT COVERAGE OF CANDELA FOR THE SPACE PER NFPA 72 AND AHJ CODES. 9. SET ALL AUDIO DEVICES TO TEMPORAL AND TO BE 15dB ABOVE AMBIENT SOUND LEVEL OF THE ROOM PER NFPA 72 CODES TABLE. 10. ALL AUDIO AND VISUAL DEVICE WILL BE SYNC PER NFPA 72 CODES. 11. PROVIDE COMPLETE REPROGRAMMING OF SYSTEM TO UPDATE ALL ZONES, ADDRESSES, AND DIALER MONITORING BY POINTS. 12. PROVIDE COMPLETE SHOP PLANS FOR INSTALLATION AND AS-BUILT SET OF THESE PLANS NEXT TO FIRE ALARM PANEL ON COMPLETION. 13. PROVIDE CD-ROM, DVD, OR FINGER DRIVE OF PROGRAM DATA IN FIRE ALARM PANEL AS REQUIRED BY NFPA-72 CODES. 14. PROVIDE PLENUM RATED FIRE CABLE FOR ALL NAC HORN/STROBE CIRCUITS MINIMUM 2#14 AND SLC LOOP MINIMUM 2#16. 15. PROVIDE NAC BOOSTER POWER SUPPLIES AS REQUIRED FOR THE NOTIFICATION DEVICE COUNTS AND DEMAND LOAD CALCULATIONS FOR A COMPLETE OPERATIONAL SYSTEM. 16. ALL NEW FIRE ALARM WIRING IS TO BE INSTALLED IN STEEL EMT CONDUIT. CONDUIT SHALL BE FACTORY PAINTED COLOR RED.

PROVIDE DUCT DETECTORS FOR CRAC UNIT 1. PROVIDE SHUTDOWN RELAYS. MONITORING AND SHUTDOWN TO BE PERFORMED BY CLEAN AGENT RELEASE PANEL. COORDINATE LOCATION WITH

SEE CLEAN AGENT PLAN MCR-FP-106 FOR CLEAN AGENT ALARM DEVICES

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MONITOR MODULE - GASEOUS SUPPRESSION SYSTEM _____M____M FIRE ALARM SLC LOOP WET FIRE SPRINKLER **RISER TAMPER** SWITCHES WET FIRE SPRINKLER **RISER FLOW SWITCH RISER PIV SWITCH** WET FIRE SPRINKLER **RISER TAMPER** SWITCHES WET FIRE SPRINKLER RISER FLOW SWITCHES EMCS CONTROL ACCESS CONTROL

XISTING

FIRE ALARM

PANEL(FACP)

BATTERY CABINET

3. PROVIDE FLUSH MOUNT BACK BOXES FOR ALL DEVICES IN ALL FINISHED SPACE.

5. SEE FIRE ALARM SPECIFICATION FOR COMPLETE DETAILS.

4. PROVIDE COMPLETE GROUNDING TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION.

GROUNDING

- UNIT (RSFACU) AND POWER SUPPLY. NEW RSFACU TO BE MONITORED BY
- 1. PROVIDE NEW CLEAN AGENT RELEASING SERVICE FIRE ALARM CONTROL EXISTING BUILDING FIRE ALARM CONTROL PANEL. THE EXISTING ADDRESSABLE FIRE ALARM SHALL BE EXTENDED AND MODIFIED IN A MANNER TO MAINTAIN ADEQUATE AUDIBILITY THROUGHOUT THE FACILITY. EXTENSION OF THE EXISTING FIRE ALARM SYSTEM IS REQUIRED FOR THE NEW DATA CENTER. ANY AND ALL DEVICE LOCATIONS AND WIRING RUNS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. ACTUAL LOCATIONS SHALL BE IN ACCORDANCE WITH NFPA 72 AND

THIS SPECIFICATION AND COORDINATED BY THE CONTRACTOR PRIOR TO

SUBMITTING SHOP DRAWINGS. PROVIDE SHOP DRAWINGS FOR THE NEW

- 5. INITIATING DEVICE CIRCUITS(IDC) SHALL BE CLASS B. 6. SIGNAL LINE CIRCUITS(SLC) SHALL BE CLASS B. 7. NOTIFICATION APPLIANCE CIRCUITS(NAC) SHALL BE CLASS B. 8. COMMUNICATIONS BETWEEN BUILDING FIRE ALARM CONTROL PANELS SHALL BE CLASS X. FIRE ALARM - PLAN NOTES
- 3. ALL FIRE ALARM DETECTORS ARE TO BE 3-FEET AWAY FROM HVAC DIFFUSERS. COORDINATE LOCATIONS WITH MECHANICAL CONTRACTOR. 4. PROVIDE DUCT SMOKE DETECTOR(S) FOR EACH UNIT GREATER THAN

2,000 CFM. ELECTRICAL CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTORS, MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTORS, AND ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAY/WIRE AND MAKE CONNECTIONS FOR THE COMPLETE OPERATION. COORDINATE LOCATIONS AND REQUIREMENTS WITH

FIRE ALARM GENERAL NOTES

1. PROVIDE ALL REQUIRED APPURTENANCES, PROGRAMMING, J-BOXES, RACEWAY/CONDUIT, CABLING, MOUNTING HARDWARE AS REQUIRED FOR A COMPLETE OPERATION.

2. PROVIDE HANGERS, SUPPORTS, PENETRATIONS, CUTTING, PATCHING,

9

AND SEALING AS REQUIRED.

MECHANICAL CONTRACTOR AND AHJ.

DATA CENTER ONLY.

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FIRE	ALARM LEGEN
FAA	FIRE ALARM CONTROL PANEL
◎	DUCT SMOKE DETECTOR
F	HEAT DETECTOR
Ø	SMOKE DETECTOR
Р	FIRE ALARM MANUAL PULL STATION
× X ⊢	FIRE ALARM HORN/STROBE
¥	STROBE ONLY
<\$>	DETECTOR, TAMPER SWITCH
\diamond	DETECTOR, FLOW SWITCH
RL	CONTROL RELAY

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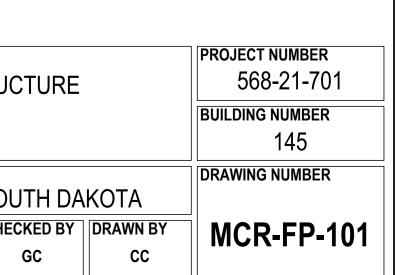
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AUDIO/VISUAL ALARM CIRCUIT(TYPICAL)

DEVICES AND DETECTORS (TYPICAL)

1. PROVIDE ALL J-BOXES, CONDUIT, WIRING & CONNECTIONS TO ALL DEVICES FOR COMPLETE FIRE ALARM SYSTEM. (NO OPEN WIRING) 2. ALL DEVICES WILL BE MOUNTED IN AN ACCESSIBLE SPACE AND AT THE ELEVATION PER NFPA 72, ADA, AND AHJ CODES.

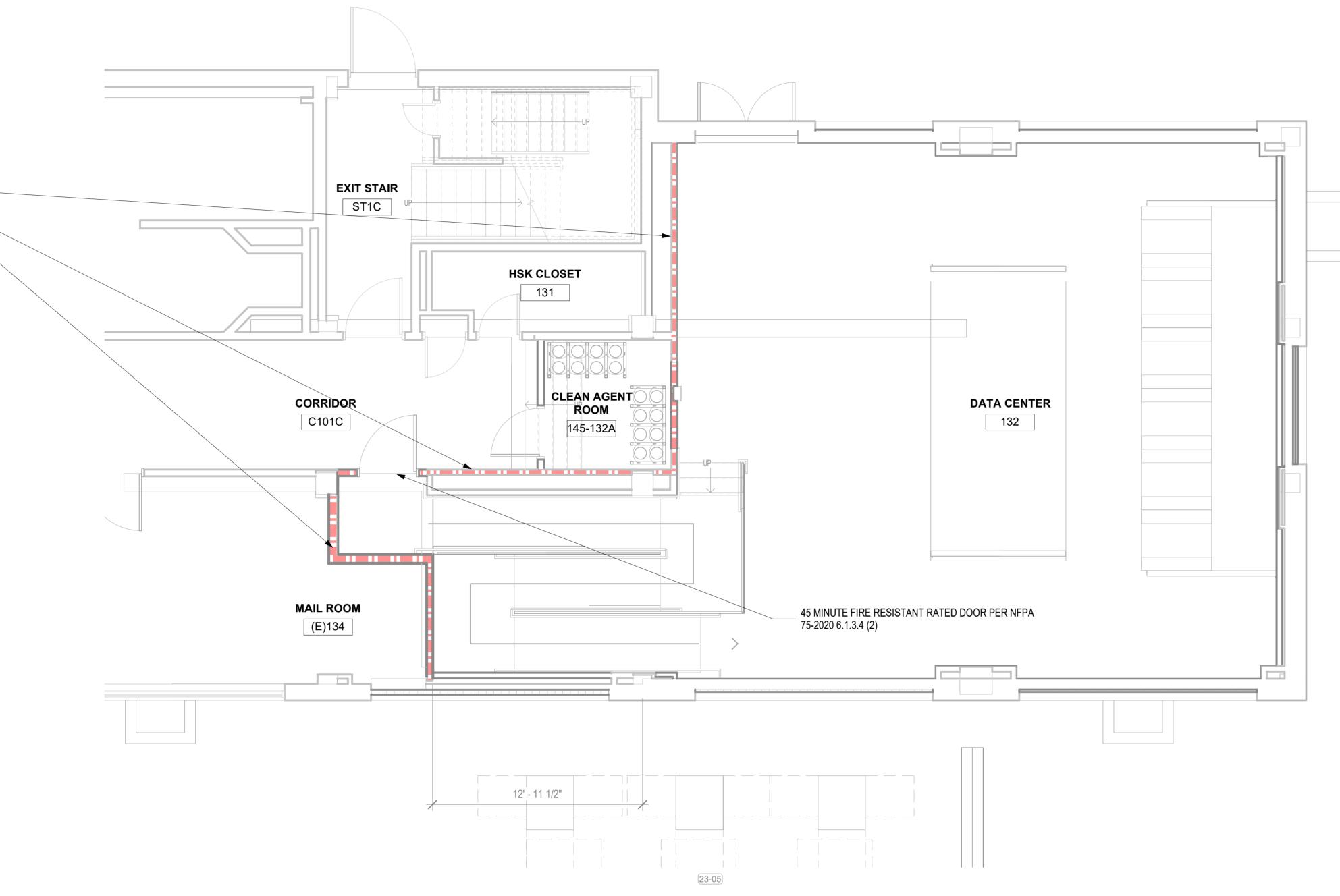
6. THE MCR DOES NOT REQUIRE A NEW FIRE ALARM PANEL BUT A NEW CLEAN AGENT SYSTEM RELEASE PANEL WHICH WILL BE MONITORED BY



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В				
		1 HOUR FIRE RESISTANT	RATED CONSTRUCTION PER	ξ
		NFPA 75-2020 6.1.3.2		
С				
D				
E			1 FIRE 1/4" = 1'-	RATED BARRIE
F				

Revisions:	Date:	
		CONSOLIANT
		FIRE PROTECTION ENGINEERIN
		GDM
		1308 NE 134th St., Suite A
		Vancouver, WA 98685
		541.436.4723
		Conrad Chandler, PE

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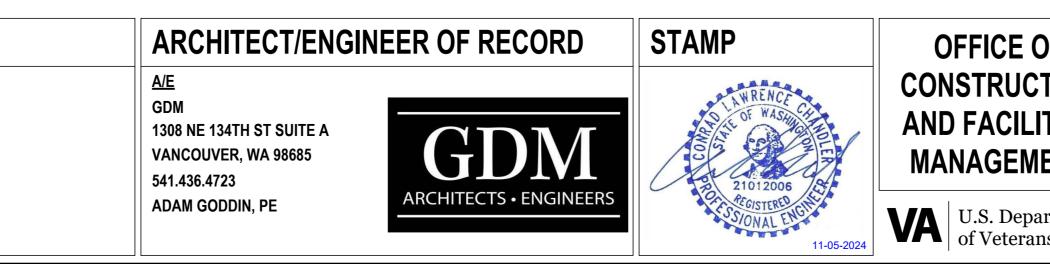
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ER PLAN - MCR

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OF CTION LITIES	DRAWING TITLE FIRE BARRIER PLAN - MO	CR	PHASE 100% CONSTRUC DOCUMENTS	TION	PROJECT TITLE EHRM INFRASTRUC UPGRADES	
-	APPROVED: Project Director		FLS		FORT MEADE, SOU	
partment cans Affairs	FOR OFFICIAL USE ONL	_Y (FOUO)	FULLY SPRINKLERED		ISSUE DATE CHE0 09/27/2024 CHE0	
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PROPOSED OCCUPANCY CLASSIFICATION

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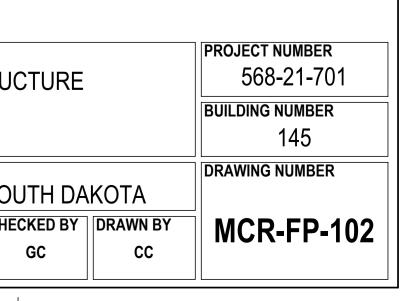
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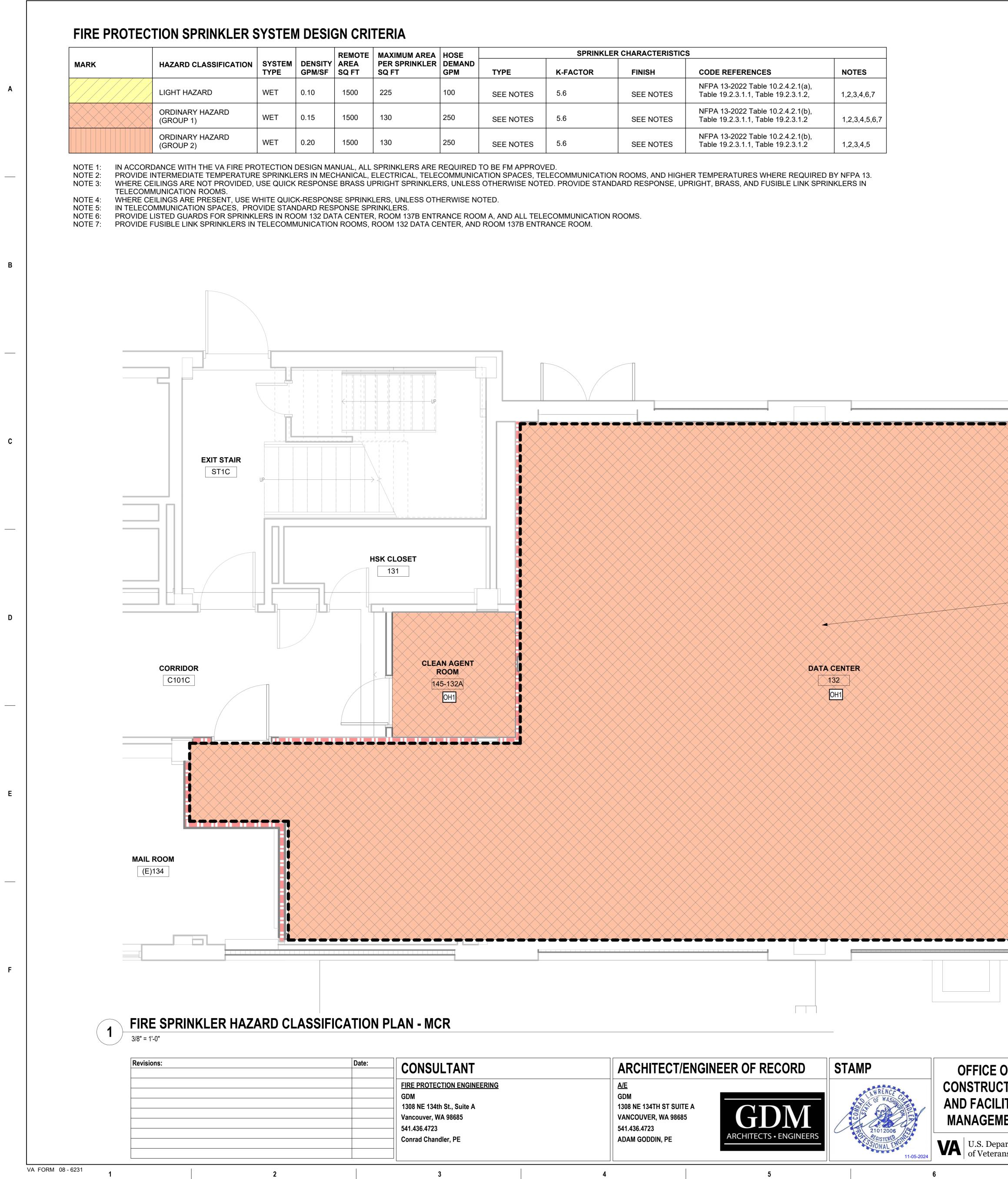
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1. THE PROPOSED OCCUPANCY FOR THE NEW MAIN COMPUTER ROOM BUILDING IS BUSINESS OCCUPANCY IN ACCORDANCE WITH NFPA 101-2021 6.1.11.1.

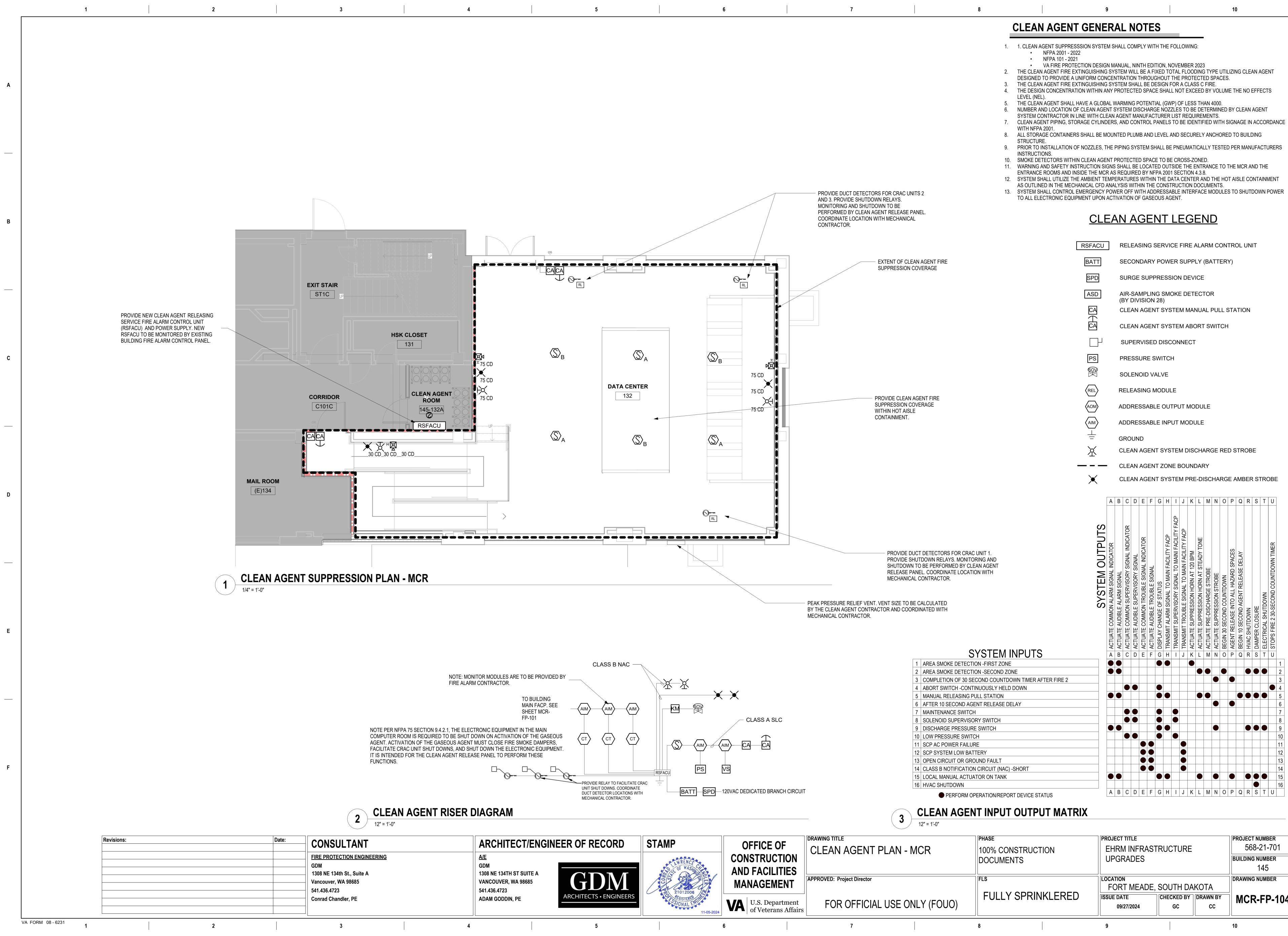




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	SPRINKLER CHARACTERISTICS								
ID	TYPE	K-FACTOR	FINISH	CODE REFERENCES	NOTES				
	SEE NOTES	5.6	SEE NOTES	NFPA 13-2022 Table 10.2.4.2.1(a), Table 19.2.3.1.1, Table 19.2.3.1.2,	1,2,3,4,6,7				
	SEE NOTES	5.6	SEE NOTES	NFPA 13-2022 Table 10.2.4.2.1(b), Table 19.2.3.1.1, Table 19.2.3.1.2	1,2,3,4,5,6,7				
	SEE NOTES	5.6	SEE NOTES	NFPA 13-2022 Table 10.2.4.2.1(b), Table 19.2.3.1.1, Table 19.2.3.1.2	1,2,3,4,5				

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	PROVIDE FIRE SPRINKLER COVERAGE WITHIN HOT ASLE CONTAINMENT.	T 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 10. 11. 12. 13. 14. 15. 14. 15. 14. 15. 14. 15. 15. 16. 17. 18. 19. 19. 10. 11. 12. 13. 14. 15. 15. 16. 17. 17. 17. 17. 17. 17. 17. 17	 FLECOMMUN THE CONTRACTOR IS R SYSTEM FOR THIS BUIL FIRE SPRINKLER SYSTEA NFPA 13, STANDA SYSTEMS, 2022 EI B. NFPA 75, STANDA TECHNOLOGY EQ C. NFPA 101, LIFE SA D. VA FIRE PROTECTION SYSTEM. NEW CLEAN AGENT SYS PROVIDE COVERAGE W SPRINKLER PROTECTION SYSTEM. NEW CLEAN AGENT SYS PROVIDE COVERAGE W SPRINKLER HEADS LOOD TO BE LOCATED SO THING IMPACT THE SPRINKLEFS SPRINKLER SYSTEM TO IN ACCORDANCE WITH HAZARD GROUP I. LOCATION AND INSTALL RESTRAINTS AND GUID TELECOMMUNICATION IN HEADS THAT MEET THE A. ORDINARY OR INTIN B. STANDARD RESPICE. C. FUSIBLE LINK D. PROTECTIVE CAGE E. FM APPROVED ALL NEW VALVES ON TH LIMITED TO SECTIONAL VALVES TO BE MARKED THE VALVES NORMAL OS SPRINKLER DESIGN IS IN SPRINKLER DESIGN IS IN SPRINKLER LAYOUT AN CONTRACTOR. SPRINKLER LAYOUT AN CONTRACTOR. SPRINKLER LAYOUT AN CONTRACTOR. SPRINKLER LAYOUT AN CONTRACTOR. SPRINKLER SINSTALLEI INTENDED TO BE LOCA' HYDRAULIC CALCULATI CONTRACTOR. SPRINKLER SINSTALLEI INTENDED TO BE LOCA' HYDRAULIC CALCULATI CONTRACTOR. SPRINKLER SINSTALLEI INTENDED TO BE LOCA' HYDRAULIC CALCULATI CONTRACTOR. A 10% SAFETY FACTOR TO A POINT NO GREATE SUPPLY CURVE OR SUP CURVE FOR EACH SPRINST STREAMS. CLEAN AGENT PIPING, S IDENTIFIED WITH SIGNA' FIRESTOPPING SHALL E RESISTANT CONSTRUCC THE FIRE SPRINKLER SYSTEM FILLED WITH WATER WI ABOVE 40°F AT ALL TIM ACCORDANCE WITH A SPRINKLER WENCH FOR SPRINKLER WENCH FOR SPRINKLER WENCH FOR SPRINKLER WENCH FOR SPRINKLER WENCH FOR SPRINKLER WENCH FOR NFPA 13 FOR AREAS SU WATER FLOW SWITCH FOR SPRINKLER WENCH FOR NFPA 13 FOR AREAS SU WATER FLOW SWITCH FOR SPRINKLER ALD TO BE PIPE DALANS WILL NOT BE UID WHERE ALARM SYSTEM IN ALL CONTROL VALVES IN ALL CONTROL VALVES IN 	ICATION SPACE EQUIRED TO PROVIDE A NEW F DING. EM SHALL COMPLY WITH THE F RO FOR THE INSTALLATION OF DITION RD FOR THE FIRE PROTECTION UPMENT, 2020 EDITION FETY CODE, 2021 EDITION TON DESIGN MANUAL, NINTH EI SPACES (TS) WILL BE PROVIDED IN AND CLEAN AGENT GASEOUT STEM MUST BE MODIFIED AS NE ITHIN THE HOT AISLE CONTAIN ATED INSIDE THE HOT AISLE C E HOT AISLE CONTAINMENT CU RSPACES (TS) WILL BE PROVIDED SPACES (TS) WILL BE PROVIDED IN AND CLEAN AGENT GASEOUT STEM MUST BE MODIFIED AS NE ITHIN THE HOT AISLE CONTAINMENT CU RSPACING OF THE SPRINKLER BE WET PIPE SYSTEM DESIGN NFPA 13 OCCUPANCY IS PRIMA ATION OF PIPE SUPPORTS (HA ES) MUST MEET THE REQUIREN SPACES (TS) WILL BE PROTECT FOLLOWING CHARACTERISTIC TERMEDIATE TEMPERATURE DNSE ES RE RISER AND TRIM PIPING, INC VALVES, INSPECTOR'S TEST V WITH PERMANENT TAGS OR S IPERATING POSITION AS DETAIL PRELIMINARY ONLY. FINAL DES D PIPE SIZING TO BE COMPLET D IN AREAS WITH DROP-IN CEIL TED "CENTER-TILE". ONS TO BE COMPLETED BY INS MUST BE INCLUDED BY CALCU IR THAN 10% BELOW THE AVAILAI INCLED DEMAND INCLUDING TH STORAGE CYLINDERS, AND CON GE IN ACCORDANCE WITH NFP E PROVIDED FOR ALL PENETR. TION. YSTEM PROTECTING THE TELES D STORAGE CYLINDERS, AND CON GE IN ACCORDANCE WITH NFP E PROVIDED FOR ALL PENETR. TION THAT IS READILY ACCESS INFOA 75. IS TO BE PROVIDED WITH THE F D ALL RATINGS AND TYPES IN DR EACH TYPE OF SPRINKLER I D ADJACENT TO THE RISER. MIS DESIGNED AS A "WET" SY AILLE IN SERVICE. IT MUST BE M. ES. VICE: THERE SHALL BE NO INTE ROTECTION, WATER, ELECTRIC IOR PERMISSION OF THE CONT EVELOP AN INTERIM FIRE PROT SINVOLVE OCCUPIED SPACES. WEEK PRIOR TO THE PLANNED D TO THE EXTERIOR OF THE CONT EVELOP AN INTERIM FIRE PROT ESTALLED IN ACCORDANCE WITH STALLED TO THE EXTERIOR OF THE CONT ESTALLED IN ACCORDANCE WITH STALLED IN ACCORDANCE WITH STALLED IN ACCORDANCE WITH STALLED TO THE EXTE	 IRE SPRINKLER OLLOWING: SPRINKLER OF INFORMATION DITION, NOVEMBER D WITH WET PIPE SUPPRESSION ECESSARY TO MENT. ONTAINMENT AREA RTAINS WILL NOT SYSTEM. ED AND INSTALLED RILY ORDINARY NGERS, VERTICAL MENTS OF NFPA 13. ED WITH SPRINKLER S: LUDING BUT NOT ALVE, AND DRAIN IGNS INDICATING LED IN THE IGN INCLUDING ED BY INSTALLING INGS ARE NOT STALLING LATING THE DEMAND ABLE WATER BLE WATER SUPPLY E REQUIRED HOSE NTROL PANELS TO BE A2001. ATIONS OF FIRE- COMMUNICATIONS PRINKLER SYSTEMS, IBLE, AND LABELED, REQUIRED NUMBER STALLED, AND A N ACCORDANCE STEM AND WILL BE AINTAINED AT OR ERRUPTION OF THE C, OR FIRE ALARM RACTING OFFICER. TEM AND WILL BE AINTAINED AT OR STEM AND WILL BE AINTAINED AT OR
		SPACE TO BE SEPARATELY ZONED FROM THE REST OF THE BUILDING.			
		DEMOLITION ALL EXISTING BRANCH LINES IN THIS AREA. RECONFIGURE BRANCH LINES IN ACCORDANCE WITH THE DESIGN CRITERIA ABOVE. SUBMIT SHOP DRAWINGS AND HYDRAULIC CALCULATIONS FOR THE DATA CENTER MODIFICATIONS.			
OFFICE OF CONSTRUCTION	DRAWING TITLE FIRE SPRINKLER HAZARD CLASSIFICATION PLAN - MCR	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAST UPGRADES	RUCTURE	PROJECT NUMBER 568-21-701 BUILDING NUMBER
AND FACILITIES MANAGEMENT	APPROVED: Project Director	FLS FULLY SPRINKLERED	LOCATION FORT MEADE, ISSUE DATE	SOUTH DAKOTA CHECKED BY DRAWN BY	145 DRAWING NUMBER MCR-FP-103
VA U.S. Department of Veterans Affairs	FOR OFFICIAL USE ONLY (FOUO)		09/27/2024	GC CC	



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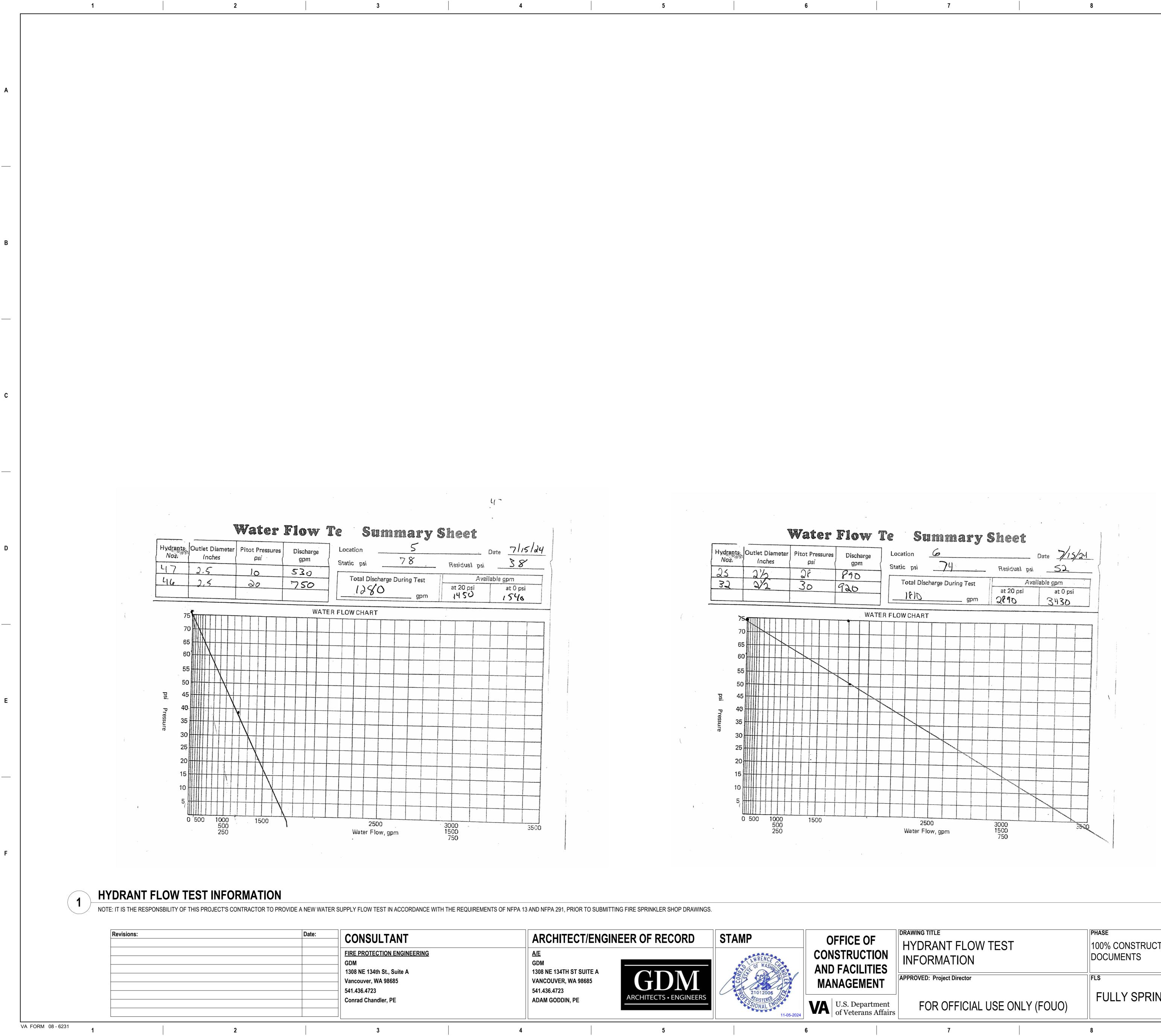
CLEAN AGENT SYSTEM PRE-DISCHARGE AMBER STROBE

CLEAN AGENT SYSTEM DISCHARGE RED STROBE

CLEAN AGENT SYSTEM MANUAL PULL STATION

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