BLACK HILLS HEALTH CARE SYSTEM, HOT SPRINGS CAMPUS
ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM)
INFRASTRUCTURE UPGRADES - HOT SPRINGS, SOUTH DAKOTA
PROJECT NO.: 568A-21-702
CONTRACT NO.: 36C776210069
100% CONSTRUCTION DOCUMENTS

BLACK HILLS HEALTH CARE SYSTEM, HOT SPRINGS CAMPUS
500 N. 5TH ST.
HOT SPRINGS, SD 57747

VOLUME 4

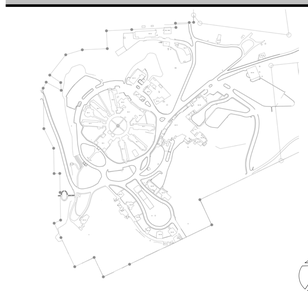
ELECTRICAL

PROJECT VICINITY MAP

ARCHITECTURAL ABBREVIATIONS

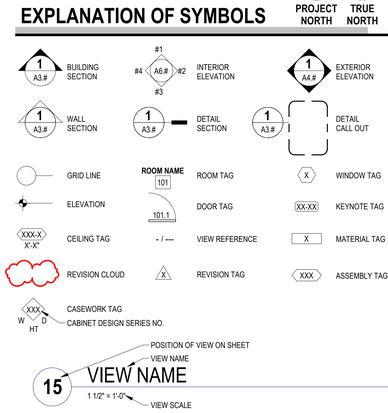
AB	ANCHOR BOLT
ABV	ABOVE
A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECT(URAL)
AWN	AWNING
B/	BOTTOM OF
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM OR BENCHMARK
BRG	BEARING
BTWN	BETWEEN
BUR	BUILT-UP ROOF
CAB	CABINET
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CG	CORNER GUARD
CPT	CARPET
CSMT	CASEMENT
CT	CERAMIC TILE
D	DEEP
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIM(S)	DIMENSIONS
DISP	DISPENSER
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EC	EXISTING COLUMN
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION OR EXPOSED
EXT	EXTERIOR
FACP	FIRE ALARM CONTROL PANEL
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FND	FOUNDATION
FP	FIRE PROTECTION
FR	FRAME
FRMG	FRAMING
FT	FEET/FOOT OR FIRE 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 & AIR CONDITIONING
ID	INSIDE DIAMETER
INFO	INFORMATION
ISO	ISOCYANURATE
INSUL	INSULATE / INSULATED / INSULATION
INT	INTERIOR
INV	INVERT
JT	JOINT
J-BOX	JUNCTION BOX
KIT	KITCHEN
L	LONG / LENGTH
LAM	LAMINATE(D)
LAV	LAVATORY
LF	LINEAR FEET
LT	LIGHT
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANIC(AL)
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER OR
OVERFLOW	DRAIN
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OVHD	OVERHEAD
PL	PLATE
PLAM	PLASTIC LAMINATE
PLMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POLY	POLYESTER OR POLYOLEFIN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED OR POINT
PVMT	PAVEMENT
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
R	RADIUS
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
RECY	RECYCLE(D)
REF	REFERENCE
REFRIG	REFRIGERATOR OR REFRIGERATION
REINF	REINFORCE
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	SOUTH
SC	SOLID CORE
SCH	SCHEDULE
SCHED	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SFRM	SPRAY APPLIED FIRE RESISTIVE MATERIAL
SGL	SINGLE
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SPECS	SPECIFICATIONS
SOD	SLAB ON DECK
SOG	SLAB ON GRADE
SOH	SAME OPPOSITE HAND
SS	STAINLESS STEEL
ST	STONE TILE
STD	STANDARD
STND	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
TEMP	TEMPERED
THK	THICK
THRESH	THRESHOLD
T.O.	TOP OF
TOBM	TOP OF BEAM
T.O.BM.	TOP OF BEAM
T.O.P.	TOP OF PLATE
T.O.S.	TOP OF STEEL
T/	TOP OF
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
THK	THICK
TRANS	TRANSOM
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VENEER PLASTER
VR	VAPOR RETARDER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WIDE OR WEST
W/	WITH
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
@	AT

SITE LEGEND

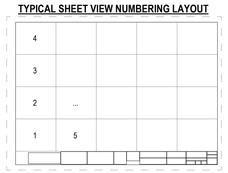


EXPLANATION OF SYMBOLS

PROJECT NORTH TRUE NORTH



TYPICAL SHEET VIEW NUMBERING LAYOUT



ARCH E1 (30"x42")

NUMBERING STARTS IN BOTTOM LEFT CORNER, MOVING UPWARDS, SKIPPING NONE

GENERAL PROJECT NOTES

1. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATION AND RELATED CONTRACT DOCUMENTS, VISIT SITE OF WORK, AND RESEARCH ALL EXISTING CONDITIONS, FACILITES, RESTRICTIONS AND OTHER MATTERS WHICH CAN AFFECT THE WORK OR THE COST THEREOF; FAILURE OR OMISSION OF ANY CONTRACTOR TO VISIT THE SITE AND ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS, SHALL IN NO WAY RELEIVE THEM FROM ANY OBLIGATION WITH RESPECT TO THEIR CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED BY REASON OF ANY THING OR MATTER CONCERNING WHICH THE CONTRACTOR SHOULD HAVE FULLY INFORMED THEMSELVES PRIOR TO BIDDING. GENERAL CONTRACTOR SHALL COORDINATE ALL ASPECTS OF THE BUILDING CONSTRUCTION.
2. THE CONTRACTOR SHALL NOT CONSIDER CONSTRUCTION NOTES TO BE ALL-INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA AND TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COORDINATE ARCHITECTURAL CONSTRUCTION DRAWING AND NOTES WITH CIVIL, STRUCTURAL AND MECHANICAL, ELECTRICAL & PLUMBING NOTES AND DRAWINGS.
3. 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.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE START OF THE WORK. NOTIFY THE COR OF ANY SIGNIFICANT CHANGES IN DIMENSIONS OR CONDITIONS.
5. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND NECESSARY FACILITIES, AND PERFORM ALL LABOR AND SERVICES OF EVERY DESCRIPTION AS MAY BE NECESSARY TO COMPLETE THE SCOPE OF WORK DEFINED ON THE DRAWINGS AND SPECIFICATIONS.
6. 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 APPROVALS TO THE COR.
7. FABRICATE AND INSTALL ALL WORK IN STRICT ACCORDANCE WITH THE SPECIFICATIONS, ALL APPLICABLE STATE AND LOCAL CODES, AND THE GENERAL AND SUPPLEMENTARY CONDITIONS OF THE CONTRACT.
8. U.L. ASSEMBLIES DESCRIBED ARE FOR REFERENCE ONLY. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE INSTALLATION OF THE DESCRIBED SYSTEM(S) .
9. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATING WITH OTHER TRADES, MEANS AND METHODS OF CONSTRUCTION, SAFETY AND SECURITY ON SITE.
10. 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.
11. THE CONTRACTOR SHALL PROTECT THE FACILITY FROM WEATHER AND MAINTAIN SECURITY DURING ALL CONSTRUCTION WORK.
12. PROTECT EXISTING PROPERTY DURING CONSTRUCTION. REPAIR OR REPLACE, WITHOUT ADDITIONAL CHARGE TO THE OWNER, ANY EXISTING WORK DAMAGED DURING THE COURSE OF CONSTRUCTION.
13. THE WORK SHALL BE COORDINATED IN GOOD FAITH WITH THE COR AND ALL GOVERNMENT EMPLOYEES 14 DAYS IN ADVANCE OF BEGINNING EACH CONSTRUCTION ACTIVITY.
14. UNLESS ITEMS OF MATERIAL, EQUIPMENT OR WORK ARE SPECIFICALLY NOTED TO BE PROVIDED OR FURNISHED BY OTHERS, THEY SHALL BE PROVIDED UNDER THIS CONTRACT.
15. ALL WORK SHALL BE PERFORMED BY SKILLED WORKERS IN A WORKMANLIKE AND PROFESSIONAL MANNER CONSISTENT WITH INDUSTRY STANDARDS.
16. THE CONTRACTOR SHALL 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, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
17. CONTRACTOR SHALL SCHEDULE, COORDINATE, AND FACILITATE ALL POWER OUTAGES AND SHUTDOWNS. POWER OUTAGES AND SHUTDOWNS MUST BE SCHEDULED WITH THE COR ONE (1) WEEK PRIOR TO OUTAGE.
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, RELOCATED, REVISED OR ABANDONED.
19. ANY CONSTRUCTION INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED AT NO EXPENSE TO THE OWNER OR ARCHITECT / ENGINEER OF RECORD (EOR).
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 MATERIALS SHALL NOT BE STORED IN CORRIDORS AT ANY TIME.
22. FIELD VERIFY ALL EXISTING DIMENSIONS, SERVICES, AND POINTS OF CONNECTION PRIOR TO START OF WORK.
23. THE DESIGN ADEQUACY, SAFETY, AND ERECTION OF BRACING, SHORING, SCAFFOLDING, AND TEMPORARY SUPPORTS AND RESTRAINS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
24. NOTIFY THE FACILITY OF TIMES WHEN THE CONSTRUCTION NOISE WILL BE EXCESSIVE. RESCHEDULE SUCH WORK IF SO REQUIRED BY THE FACILITY.
25. NOTIFY THE COR OF ANY DISCREPANCIES DISCOVERED IN THE FIELD THAT REQUIRE CORRECTIVE 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 E PROPERLY INTEGRATED TO NSUTE A UNIFORM APPEARANCE AND SEAMESS TRANSITION.
27. ALL ITEMS TO BE REMOVED AND REPLACED SHALL BE HANDLED WITH PROPER CARE AND STORED IN A SAFE PLACE TO PREVENT DAMAGE; WHEN DAMAGED, REPLACE AT NO EXPENSE TO THE OWNER.
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 DRAWINGS SCALING SHALL BE CORRECTED.
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.
31. EXERCISE CARE DURING CONSTRUCTION TO MINIMIZE DISRUPTION OF THE MEDICAL CENTER ROUTINE, COORDINATE SEQUENCE OF WORK AND PHASING WITH THE COR TO MINIMIZE DISRUPTION OF THE MEDICAL CENTER. MANY OF THE WORK ITEMS REQUIRE THE WORK TO BE PERFORMED ONLY AT NIGHT, WEEKENDS, OR HOLIDAYS AT NO ADDITIONAL COST TO THE GOVERNMENT.
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 LOOK-AHEAD SCHEDULE.
33. PROTECT EXISTING FIRE SUPPRESSION SYSTEMS DURING CONSTRUCTION.
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 ADDITIONAL MONEY AND ADDITIONAL TIME FOR CRITICAL PATH ACTIVITIES.
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 BADGING REQUIREMENT INCLUDING BACKGROUND INVESTIGATIONS. SEE "CONTRACTOR BACKGROUND INVESTIGATIONS REQUEST" FORM. COORDINATE WITH CO/CS REGARDING SUBMITTING THE FORM.

PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING INFRASTRUCTURE IMPROVEMENTS: ELECTRICAL (ELECTRICAL PANEL UPGRADE, POWER [NORMAL, EMERGENCY]), BONDING, UPS, BUILDING MANAGEMENT SYSTEM INTERFACES, ASSESS FOR NEW AND UPGRADES TO EXISTING HVAC, RECONFIGURATION, EXPANSION AND RENOVATION OF EXISTING SPACE (DEMO, NEW CONSTRUCTION, FINISHES), COMMUNICATION INFRASTRUCTURE (NEW DATA OUTLETS, PATCH PANELS, UPGRADE TO CAT 6A CABLE) IN BUILDINGS AS NECESSARY, PHYSICAL SECUITY UPGRADES, ASSESS AND UPGRADE FIBER INFRASTRUCTURE BACKBONE CAMPUS WIDE WITHIN BUILDINGS AND BETWEEN BUILDINGS, HAZARDOUS MATERIAL ABATEMENT. PROJECT BUILDING LOCATION INCLUDE: BUILDINGS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 20 23, 29, 43, 53, 65, AND 66.

BASIC DEFINITIONS

"OWNER": THE OWNER IS UNITED STATES GOVERNMENT - DEPARTMENT OF BETERANS AFFAIRS AND IS REFERRED TO THROUGOUT THE CONTACT DOCUMENTS AS IF SINGULAR IN NUMBER. THE TERM "OWNER" MEANS THE OWNER OR THE OWNER'S CONTRACTING OFFICER'S AUTHORIZED REPRESENTATIVE.

"CONTRACTING OFFICER" OR "C.O.": THE OWNER'S AUTHORIZED REPRESENTATIVE RESPONSIBLE FOR ADMINISTRATING THE CONTRACT BETWEEN THE GENERAL CONTRACTOR AND OWNER. THE TERM INCLUDES CERTAIN AUTHORIZED REPRESENTATIVES OF THE CONTRACTING OFFICER ACTING WIHIN THE LIMITS OF THEIR AUTHORITY AS DELEGATED BY THE CONTRACTING OFFICER.

"WORK": THE TERM "WORK" MEANS THE CONSTRUCION AND SERVICES REQUIRED BY THE CONTRACT DOCUMENTS, WHETHER COMPLETED OR PARTIALLY COMPLETED, AND INCLUDES ALL OTHER LABOR, MATERIALS, EQUIPMENT AND SERVICES PROVIDED BY THE CONTRACTOR TO FULFILL THE CONTRACTOR'S OBLIGATIONS. THE WORK MAY CONSTITUTE THE WHOLE OR A PART OF THE PROJECT.

"PROJECT": THE TOTAL CONSTRUCTION OF WHICH THE WORK PERFORMED UNDER THE CONTRACT DOCUMENTS

"DRAWINGS", "SHOP DRAWINGS", OR "PLANS": THE GRAPHIC AND PICTORIAL PORTIONS OF CONTRACT DOCUMENTS, WHENEVER LOCATED AND WHERENEVER ISSUED, SHOWNING DESIGN, LOCATIONAND DIMENSIONS OF THE WORK, GENERALLY INCLUDING PLANS, ELEVATIONS, ASECTIONS, DETAILS, SCHEDULES AND DIAGRAMS.

"PROJECT SUPERVISOR" OR "SUPERVISOR": MEANS THE ON-SITE SUPERVISION REPRESENTATIVE OF THE PROJECT.

"ARCHITECT" OR "ENGINEER": MEANS THE VA'S ARCHITECTS, ENGINEERS AND OTHER DESIGN AND ENGINEERS PROFESSIONALS FOR THIS PROJECT, AND REFERRED THROUGHOUT THE DRAWINGS AS IF SINGULAR IN NUMBER.

"TRADE CONTRACTOR" OR "CONTRACTOS": MEANS THE ENTITY UNDER CONTRACT AGREEMENT WITH THE GENERAL CONTRACTOR TO PROVIDE THE SPECIFIED GENERAL AND OR SPECIALTY WORK IN CONNECTION WITH THIS PROJECT.

"FURNISHED" OR "FURNISHED": MEANS PROVIDING ALL MATERIALS, SHOP DRAWINGS, TRANSPORTATION INSURANCE, FIELD MEASUREMENTS,EXPEDITING, SHIPPING, HANDLING, PACKAGING, STORAGE, TOUCH-UP MATERIALS, OWNER'S MANUALS, TRAINING AND ANY OTHER ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.

"INSTALL" OR "INSTALLED": MEANS COMPLETING ALL WORK AND COSTS ASSOCIATED WITH UNLOADING, UNPACKING, HOISTING, STORAGE, HANGERS, SUPPORTS, SLEEVES, SCAFFOLDING, COORDINATION, LAYOUT, SHOP DRAWINGS, EXCAVATION, BACKFILL, DEWATERING, INSTALLATION, CUTTING AND PATCHING, FIRESTOPPING, CLENA-UP, INSPECTION, DOCUMENTATION, PROTECTION OF SCOPE OF WORK AND ALL ACCESSORIES, SERVICE AND FACILITIES REQUIRED FOR A COMPLETE INSTALLATION.

"PROVIDE" OR "PROVIDED": MEANS TO FURNISH AND INSTALL AND SHALL INCLUDE, WITHOUT LIMITATION, ALL LABOR, MATERIALS, EQUIPMENTS, TRANSPORTATION SERVICES, AND OTHER ITEMS REQUIRED TO COMPLETE THE REFERENCED TASK.

"BY OWNER", "BY VAMC" OR "BY VA": MEANS ITEMS WILL BE ORDERED, PAID FOR, SHIPPED TO THE JOB SITE AND INSTALLED BY THE OWNER.

"NOT IN CONTRACT" OR "N.I.C.": MEANS MATERIALS OR EQUIPMENT NOT IN THE CONTRACT, BUT MAY REQUIRE PROVISIONS IN THE CONSTUCTION FOR FUTURE INSALLATION AS SPECIFIFIED OR SHOWN.

OTHER DEFINITIONS OF WORDS AND TERMS USED IN THE DRAWINGS AND SPECIFICATIONS CAN BE FOUND IN THE LEGENDS AND SYSMBOLS DRAWINGS FOR EACH DISCIPLINE AND IN DISION 0 AND 1 OF THE PROJECT MANUAL.

PROJECT TEAM

OWNER
BLACK HILLS VA HEALTHCARE SYSTEM
HOT SPRINGS VAMC

ENGINEER, PROJECT LEAD
GDM - PUGET SOUND DISTRICT OFFICE
1584 McNEIL ST., SUITE 200
DUPONT, WA 98327
541.380.1237

ARCHITECT
A&E ARCHITECTS
608 NORTH 29th STREET
BILLINGS, MT 59101
406.248.2633

MECHANICAL ENGINEER
GDM - PUGET SOUND DISTRICT OFFICE
1584 McNEIL ST., SUITE 200
DUPONT, WA 98327
360.539.1755

TELECOMMUNICATIONS
RSA
670 W. FIREWEED LN, SUITE 200
ANCHORAGE, ALASKA 99503
907.865.0564

ELECTRICAL ENGINEER
RSA
670 W. FIREWEED LN, SUITE 200
ANCHORAGE, ALASKA 99503
907.865.0564

STRUCTURAL
KREMER, GHELEN, AND ASSOCIATES
400 COLUMBIA STREET, SUITE 240
VANCOUVER, WA 98660-3413
503.289.2661

CIVIL ENGINEER
GDM - COLUMBIA GORGE DISTRICT OFFICE
1000 W STEUBEN ST, UNIT THREE
BINGEN, WA 98605
541.436.4723

FIRE PROTECTION ENGINEER
TERP CONSULTING
14241 E 4TH AVAENUE, SUITE 5-230
AURORA, CO 80011
720.779.0797

INDUSTRIAL HYGIENE
GDM - ARCTIC DISTRICT OFFICE
1401 W 34TH AVE, SUITE 200
ANCHORAGE, ALASKA 99503
907.917.2957

Revisions:	Date:

CONSULTANT
A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD
ARCHITECT
A&E DESIGN
124 NORTH 29TH STREET, #100
BILLINGS, MONTANA 59101
406.248.2633
T. MARCELLO PIERROTTET, AIA

STAMP
STATE OF MONTANA — BILLINGS — ERIC ARNO LAUBIN — 18630 — MONTANA — LICENSED ARCHITECT

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: COVER SHEET VOLUME 4	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 00
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 00-GI-000.4
		ISSUE DATE: 02/23/2022 · CHECKED BY: Checker · DRAWN BY: Author	

DRAWING INDEX

VOLUME 1

GENERAL

SHEET NO.	SHEET NAME
00-GI-000.1	COVER SHEET VOLUME 1
00-GI-001	INDEX OF DRAWINGS
00-GI-002	PROJECT CODE SUMMARY
00-GI-003	GENERAL NOTES
00-GI-004	PROJECT SITE PLAN
00-GI-005	PROJECT ASSEMBLY TYPES
00-GI-006	DOOR SCHEDULE AND DETAILS
00-GI-007	PARTITION DETAILS
00-GI-008	FIRE PROTECTION

CIVIL

SHEET NO.	SHEET NAME
CI0001	GENERAL NOTES
RC0001	EXISTING CONDITIONS PLAN
CS0001	SECONDARY FIBER OPTICS SITE PLAN
CU0100	SECONDARY FIBER OPTICS PLAN AND PROFILE
CU0101	SECONDARY FIBER OPTICS PLAN AND PROFILE
CG0100	BUILDING 1 TELECOM GRADING PLAN
CG0101	BUILDING 1 TELECOM EROSION CONTROL PLAN
CG0200	BUILDING 66 TELECOM GRADING PLAN
CG0300	BUILDING 11 TELECOM GRADING PLAN
CJ0001	DETAILS
CJ0002	DETAILS
CJ0003	DETAILS

STRUCTURAL

SHEET NO.	SHEET NAME
00-SN-001	STRUCTURAL NOTES
00-SN-002	STRUCTURAL NOTES
01-SF-100	01- PLANS
01-SD-100	DETAILS
01-SD-101	DETAILS
01-SD-102	DETAILS
11-SF-100	11 - PLANS
11-SD-100	DETAILS
66-SF-100	66 - PLANS
66-SD-100	DETAILS

ARCHITECTURAL - DEMOLITION

SHEET NO.	SHEET NAME
01-AD-201	01-BASEMENT & FIRST FLOOR DEMOLITION PLANS
01-AD-202	01-SECOND AND THIRD FLOOR DEMOLITION PLANS
02-AD-201	02-DEMOLITION PLANS
03-AD-201	03-DEMOLITION FLOOR PLANS
04-AD-201	BUILDING 4 DEMOLITION FLOOR PLANS
05-AD-201	05-DEMOLITION FLOOR PLANS
06-AD-201	06-DEMOLITION PLANS
07-AD-201	07-DEMOLITION FLOOR PLANS
08-AD-201	08-DEMOLITION FLOOR PLANS
10-AD-201	DEMOLITION FLOOR PLANS
11-AD-201	11-DEMOLITION PLANS
12-AD-201A	12-DEMOLITION BASEMENT FLOOR ENLARGED PLAN SECTOR A
12-AD-201B	12-DEMOLITION BASEMENT FLOOR ENLARGED PLAN SECTOR D
12-AD-202A	12-DEMOLITION GROUND FLOOR ENLARGED PLAN SECTOR A
12-AD-202BCD	12-DEMOLITION GROUND FLOOR ENLARGED PLAN SECTORS B, C, AND D
12-AD-203	12-DEMOLITION FIRST FLOOR ENLARGED PLAN SECTOR A
12-AD-204	12-DEMOLITION SECOND FLOOR ENLARGED PLAN SECTOR A
12-AD-205D	12-DEMOLITION THIRD FLOOR ENLARGED PLAN SECTORS B, C, AND D
12-AD-206	12-DEMOLTION FOURTH FLOOR ENLARGED PLAN SECTOR D
14-AD-201	14- DEMOLITION FLOOR PLANS
53-AD-201	53-DEMOLITION FLOOR PLANS
65-AD-201	65-DEMOLITION PLAN
66-AD-201	66-FIRST FLOOR DEMOLITION PLAN

ARCHITECTURAL - NEW CONSTRUCTION

SHEET NO.	SHEET NAME
00-DOM-AE-101	00-DOM-FLOOR PLANS
01-AE-101	01-BASEMENT & FIRST FLOOR LIFE SAFETY PLAN
01-AE-102	01-SECOND & THIRD FLOOR LIFE SAFETY PLANS
01-AE-200	01-BASEMENT FLOOR PLAN
01-AE-201	01-FIRST FLOOR PLAN
01-AE-202	01-SECOND FLOOR PLAN
01-AE-203	01-THIRD FLOOR PLAN
01-AE-204	01-ROOF PLAN AND ROOF DETAILS
01-AE-205	01-SLAB EDGE PLANS
01-AE-401	01-OVERALL ELEVATIONS
01-AE-402	01-ENLARGED ELEVATIONS
01-AE-501	01-WALL SECTIONS
01-AE-502	01-WALL SECTIONS
01-AE-503	01-SECTION DETAILS
01-AE-504	01-SECTION DETAILS
01-AE-505	01-PLAN DETAILS
01-AE-601	01-TR ELEVATIONS
01-AE-602	01-TR ELEVATIONS
01-AE-801	01-STAIR SECTIONS
01-AE-802	01-STAIR DETAILS
02-AE-200	02-FLOOR PLANS
02-AE-601	02-ENLARGED TR PLANS & INTERIOR ELEVATIONS
03-AE-201	03-BASEMENT, FIRST, AND SECOND FLOOR PLANS
03-AE-202	03-TR PLANS AND ELEVATIONS
04-AE-200	04-BASEMENT, FIRST, & SECOND FLOOR PLANS
05-AE-201	05-BASEMENT, FIRST. & SECOND FLOOR PLANS
05-AE-601	05-ENLARGED TR & ELEVATIONS
06-AE-200	06-BASEMENT, FIRST, & SECOND FLOOR PLANS
06-AE-601	ENLARGED TR PLANS & ELEVATIONS
07-AE-200	07-BASEMENT, FIRST, & SECOND FLOOR PLANS
07-AE-201	07- ENLARGED TR PLANS & ELEVATIONS
08-AE-200	08-BASEMENT, FIRST, AND SECOND FLOOR PLANS
08-AE-201	08-ENLARGED TR PLANS AND INTERIOR ELEVATIONS
09-AE-201	09-FLOOR & ROOF PLANS
10-AE-200	10-FLOOR PLANS
11-AE-200	11-GROUND, FIRST, AND SECOND FLOOR PLANS
11-AE-301	11-ENLARGED PLANS & INT ELEVATIONS
11-AE-501	11-EXTERIOR SECTIONS AND ELEVATIONS

ARCHITECTURAL - NEW CONSTRUCTION (CONTINUED)

SHEET NO.	SHEET NAME
11-AE-502	11-PLAN AND SECTION DETAILS
12-AE-101	12-BASEMENT & GROUND FLOOR OVERALL LIFE SAFETY PLAN
12-AE-102	12-FIRST & SECOND FLOOR OVERALL LIFE SAFETY PLAN
12-AE-103	12-THIRD AND FOURTH FLOOR OVERALL LIFE SAFETY PLANS
12-AE-201	12-BASEMENT FLOOR PLAN
12-AE-201A	12-BASEMENT FLOOR ENLARGED PLANS SECTOR A
12-AE-201CD	12-BASEMENT FLOOR ENLARGED PLANS SECTORS C AND D
12-AE-202	12-GROUND FLOOR PLAN
12-AE-202A	12-GROUND FLOOR ENLARGED PLAN SECTOR A
12-AE-202BCD	12-GROUND FLOOR ENLARGED PLANS SECTORS B, C, AND D
12-AE-203	12-FIRST FLOOR PLAN
12-AE-203A	12-FIRST FLOOR ENLARGED PLAN - SECTOR A
12-AE-203BCD	12-FIRST FLOOR ENLARGED PLANS - SECTORS B, C, AND D
12-AE-204	12-SECOND FLOOR PLAN
12-AE-204A	12-SECOND FLOOR ENLARGED PLANS SECTOR A
12-AE-204BCD	12-SECOND FLOOR ENLARGED PLANS - SECTORS B, C, AND D
12-AE-205	12-THIRD AND FOURTH FLOOR PLANS
12-AE-205BCD	12-THIRD FLOOR ENLARGED PLANS SECTORS B, C, AND D
12-AE-206	12-FOURTH FLOOR ENLARGED PLAN
12-AE-301	12-ENLARGED PBX FLOOR PLAN & RCP
12-AE-302	12-ENLARGED TR PLANS
12-AE-601	12-ENLARGED TR ELEVATIONS
12-AE-602	12-ENLARGED TR ELEVATIONS
12-AE-603	12-ENLARGED TR ELEVATIONS
14-AE-201	14- FLOOR PLANS
18-AE-201	18-FLOOR PLANS
43-AE-201	43 - FIRST FLOOR PLANS
53-AE-201	53-FLOOR PLANS
53-AE-301	ENLARGED FLOOR PLANS & ELEVATIONS
65-AE-201	65-FLOOR PLAN
65-AE-301	65-FLOOR PLANS
66-AE-201	66-FLOOR PLAN
66-AE-202	ENLARGED FLOOR PLANS
66-AE-401	66-ELEVATIONS AND SECTION
66-AE-501	66-PLAN AND SECTION DETAILS
66-AE-601	TR ELEVATIONS

END OF VOLUME 1

VOLUME 2

GENERAL

SHEET NO.	SHEET NAME
00-GI-000.2	COVER SHEET VOLUME 2
00-GI-001	INDEX OF DRAWINGS

HAZARD ABATEMENT

SHEET NO.	SHEET NAME
00-HA-000.1	GENERAL NOTES & QUANTITIES FOR HAZARDS ABATEMENT PLANS
000-HA-0B1	00-BASEMENT & FIRST FLOOR HAZARDS ABATEMENT PLANS
001-HA-0B1	01-BASEMENT HAZARDS ABATEMENT PLANS
001-HA-011	01-FIRST FLOOR HAZARDS ABATEMENT PLANS
001-HA-021	01-SECOND FLOOR HAZARDS ABATEMENT PLANS
001-HA-031	01-THIRD FLOOR HAZARDS ABATEMENT PLANS
002-HA-0B1	02-BASEMENT & SUB-BASEMENT HAZARDS ABATEMENT PLANS
002-HA-011	02-FIRST & SECOND FLOOR HAZARDS ABATEMENT PLANS
003-HA-0B1	03-BUILDING 03 HAZARDS ABATEMENT PLANS
004-HA-0B1	04-BUILDING 04 HAZARDS ABATEMENT PLANS
005-HA-0B1	05-BUILDING 05 HAZARDS ABATEMENT PLANS
006-HA-0B1	06-BUILDING 06 HAZARDS ABATEMENT PLANS
007-HA-0B1	07-BUILDING 07 HAZARDS ABATEMENT PLANS
008-HA-0B1	08-BUILDING 08 HAZARDS ABATEMENT PLANS
009-HA-0B1	09-BUILDING 09 HAZARDS ABATEMENT PLANS
010-HA-0B1	10-BUILDING 10 HAZARDS ABATEMENT PLANS
011-HA-0B1	11-BUILDING 11 HAZARDS ABATEMENT PLANS
012-HA-0BA	12-BASEMENT HAZARDS ABATEMENT PLANS
012-HA-0BD	12-BASEMENT SECTOR D HAZARDS ABATEMENT PLANS
012-HA-0GA	12-GROUND FLOOR SECTOR A HAZARDS ABATEMENT PLANS
012-HA-0GB	01-BASEMENT & FIRST FLOOR HAZARDS ABATEMENT PLANS
012-HA-0GCD	12-GROUND FLOOR SECTORS C&D HAZARDS ABATEMENT PLANS
012-HA-01A	12-FIRST FLOOR SECTOR A HAZARDS ABATEMENT PLANS
012-HA-01B	12-FIRST FLOOR SECTOR B HAZARDS ABATEMENT PLANS
012-HA-01CD	12-FIRST FLOOR SECTORS C&D HAZARDS ABATEMENT PLANS
012-HA-02A	12-SECOND FLOOR SECTOR A HAZARDS ABATEMENT PLANS
012-HA-02B	12-SECOND FLOOR SECTOR B HAZARDS ABATEMENT PLANS
012-HA-02CD	12-SECOND FLOOR SECTORS C&D HAZARDS ABATEMENT PLANS
012-HA-03BCD	12-THIRD FLOOR HAZARDS ABATEMENT PLANS
012-HA-04	12-FOURTH FLOOR HAZARDS ABATEMENT PLANS
013-HA-011	13-BUILDING 13 HAZARDS ABATEMENT PLANS
014-HA-0G1	14-BUILDING 14 HAZARDS ABATEMENT PLANS
017-HA-011	14-BUILDING 14 HAZARDS ABATEMENT PLANS
018-HA-011	01-BASEMENT & FIRST FLOOR HAZARDS ABATEMENT PLANS
020-HA-0B1	20-BUILDING 20 HAZARDS ABATEMENT PLANS
023-HA-0B1	23-BUILDING 23 HAZARDS ABATEMENT PLANS
029-HA-0B1	29-BUILDING 29 HAZARDS ABATEMENT PLANS
043-HA-011	43-BUILDING 43 HAZARDS ABATEMENT PLANS
053-HA-0G1	53-BUILDING 53 HAZARDS ABATEMENT PLANS
065-HA-011	65-BUILDING 65 HAZARDS ABATEMENT PLANS
066-HA-011	66-BUILDING 66 HAZARDS ABATEMENT PLANS

MECHANICAL

SHEET NO.	SHEET NAME
MK-001	MECHANICAL GENERAL INFORMATION
MK-002	MECHANICAL SITE PLAN
MK-003	DETAILS
MK-004	MECHANICAL SCHEDULES
MK-005	MECHANICAL CONTROLS INFORMATION
001-MD-0B1	01-BASEMENT HVAC DEMOLITION PLANS
001-MD-011	01-FIRST FLOOR HVAC DEMOLITION PLANS
001-MD-021	01-SECOND FLOOR HVAC DEMOLITION PLANS
001-MD-031	01-THIRD FLOOR HVAC DEMOLITION PLANS
002-MD-0B1	02-BASEMENT HVAC DEMOLITION PLANS
003-MD-011	03-FIRST FLOOR HVAC DEMOLITION PLANS
004-MD-0B1	04-HVAC DEMOLITION FLOOR PLANS
004-MD-0B2	04-ENLARGED HVAC DEMOLITION PLANS
005-MD-021	05-SECOND FLOOR HVAC DEMOLITION PLANS
006-MD-011	06-FIRST FLOOR HVAC DEMOLITION PLANS

VOLUME 2 - CONTINUED

SHEET NO.	SHEET NAME
007-MD-011	07-FIRST FLOOR HVAC DEMOLITION PLANS
008-MD-011	08-FIRST FLOOR HVAC DEMOLITION PLANS
010-MD-0B1	10-BASEMENT HVAC DEMOLITION PLANS
011-MD-001	11-GROUND FLOOR HVAC DEMOLITION PLANS
012-MD-0B1	12-BASEMENT HVAC DEMOLITION PLANS - SECTOR A
012-MD-001	12-GROUND FLOOR HVAC DEMOLITION PLANS - SECTOR C/D
012-MD-011	12-FIRST FLOOR HVAC DEMOLITION PLANS - SECTOR A
012-MD-012	12-FIRST FLOOR HVAC DEMOLITION PLANS - SECTOR C/D
012-MD-021	12-SECOND FLOOR HVAC DEMOLITION PLANS - SECTOR C/D
012-MD-031	12-THIRD FLOOR HVAC DEMOLITION PLANS - SECTOR C/D
012-MD-041	12-FOURTH FLOOR HVAC DEMOLITION PLANS - SECTOR C/D
014-MD-001	14-GROUND FLOOR HVAC DEMOLITION PLANS
018-MD-011	18-FIRST FLOOR HVAC DEMOLITION PLANS
023-MD-0B1	23-BASEMENT HVAC DEMOLITION PLANS
053-MD-011	53-FIRST FLOOR HVAC DEMOLITION PLANS
065-MD-011	65-FIRST FLOOR HVAC DEMOLITION PLANS
001-MH-0B1	01-BASEMENT HVAC PLANS
001-MH-011	01-FIRST FLOOR HVAC PLANS
001-MH-021	01-SECOND FLOOR HVAC PLANS
001-MH-031	01-THIRD FLOOR HVAC PLANS
001-MH-041	01-ROOF HVAC PLANS
002-MH-0B1	02-BASEMENT HVAC PLANS
002-MH-021	02-SECOND FLOOR AND ROOF HVAC PLANS
003-MH-0B1	03-BASEMENT AND FIRST FLOOR HVAC PLANS
004-MH-0B1	04-HVAC FLOOR PLANS
004-MH-0B2	04-ENLARGED HVAC PLANS
005-MH-0B1	05-BASEMENT AND SECOND FLOOR HVAC PLANS
006-MH-0B1	06-BASEMENT AND FIRST FLOOR HVAC PLANS
007-MH-011	07-FIRST FLOOR HVAC PLANS
008-MH-011	08-FIRST FLOOR HVAC PLANS
010-MH-0B1	10-BASEMENT HVAC PLANS
011-MH-001	11-GROUND FLOOR HVAC PLANS
012-MH-0B1	12-BASEMENT HVAC PLANS - SECTOR A
012-MH-001	12-GROUND FLOOR HVAC PLANS - SECTOR A
012-MH-002	12-GROUND FLOOR HVAC PLANS - SECTOR C/D
012-MH-011	12-FIRST FLOOR HVAC PLANS - SECTOR A
012-MH-012	12-FIRST FLOOR HVAC PLANS - SECTOR C/D
012-MH-021	12-SECOND FLOOR HVAC PLANS - SECTOR A
012-MH-022	12-SECOND FLOOR HVAC PLANS - SECTOR C/D
012-MH-031	12-THIRD FLOOR HVAC PLANS - SECTOR C/D
012-MH-041	12-FOURTH FLOOR AND ROOF HVAC PLANS - SECTOR C/D
014-MH-001	14-GROUND FLOOR HVAC PLANS
018-MH-011	18-FIRST FLOOR AND MEZZANINE HVAC PLANS
023-MH-011	23-BASEMENT AND FIRST FLOOR HVAC PLANS
053-MH-011	53-FIRST FLOOR AND ROOF HVAC PLANS
065-MH-011	65-FIRST FLOOR HVAC PLANS
066-MH-011	66-FIRST FLOOR HVAC PLANS

END OF VOLUME 2

VOLUME 3

TELECOMMUNICATIONS

SHEET NO.	SHEET NAME
00-GI-000.3	COVER SHEET VOLUME 3
00-GI-001	INDEX OF DRAWINGS
001-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 1 BASEMENT
001-TD-011	TELECOM DEMOLITION PLAN -BLDG 1 FIRST FLOOR
001-TD-021	TELECOM DEMOLITION PLAN -BLDG 1 SECOND FLOOR
001-TD-031	TELECOM DEMOLITION PLAN -BLDG 1 THIRD FLOOR
002-TD-0B1	TELECOM DEMO PLAN -BLDG 2 SUB-BASEMENT/BASEMENT
002-TD-011	TELECOM DEMOLITION PLAN -BLDG 2 FIRST & SECOND FLOORS
003-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 3 FLOOR LAYOUTS
005-TD-011	TELECOM DEMOLITION PLAN -BLDG 5
006-TD-0B1	TELECOM DEMOLITION PLANS -BLDG 6
006-TD-011	TELECOM DEMOLITION PLAN -BLDG 6 FIRST FLOOR
007-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 7
007-TD-011	ENLARGED TELECOM DEMOLITION PLAN -BLDG 7
008-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 8 BASEMENT
008-TD-011	TELECOM DEMOLITION PLAN -BLDG 8 FIRST & SECOND FLOOR
009-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 9
010-TD-001	TELECOM DEMOLITION PLAN -BLDG 10
011-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 11
012-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 12 BASEMENT
012-TD-0B1A	TELECOM DEMO -BLDG 12 BASEMENT A ENLARGED
012-TD-0B1C	FILE A TELECOM DEMO -BLDG 12 BASEMENT C/D ENLARGED
012-TD-001	TELECOM DEMOLITION PLAN -BLDG 12 GROUND
012-TD-001A	TELECOM DEMO PLAN -BLDG 12 GROUND A ENLARGED
012-TD-001B	TELECOM DEMO PLAN -BLDG 12 GROUND B ENLARGED
012-TD-001C	TELECOM DEMO PLAN-BLDG 12 GROUND C/D ENLARGED
012-TD-011	TELECOM DEMOLITION PLAN -BLDG 12 FIRST FLOOR
012-TD-011A	TELECOM DEMO PLAN -BLDG 12 FIRST FLOOR A ENLARGED
012-TD-011B	TELECOM DEMO PLAN -BLDG 12 FIRST FLOOR B ENLARGED
012-TD-011C	TELECOM DEMO PLAN -BLDG 12 FIRST FLOOR C/D ENLARGED
012-TD-021	TELECOM DEMOLITION PLAN -BLDG 12 SECOND FLOOR
012-TD-021A	TELECOM DEMO PLAN -BLDG 12 SECOND FLOOR A ENLARGED
012-TD-021B	TELECOM DEMO PLAN -BLDG 12 SECOND FLOOR B ENLARGED
012-TD-021C	TELECOM DEMO PLAN -BLDG 12 SECOND FLOOR C/D ENLARGED
012-TD-031	TELECOM DEMOLITION PLAN -BLDG 12 THIRD FLOOR
012-TD-031B	TELECOM DEMO PLAN -BLDG 12 THIRD FLOOR B ENLARGED
012-TD-031C	TELECOM DEMO PLAN -BLDG 12 THIRD FLOOR C/D ENLARGED
012-TD-041	TELECOM DEMOLITION PLAN -BLDG 12 FOURTH FLOOR
013-TD-011	TELECOM DEMOLITION PLAN -BLDG 13 FIRST FLOOR
014-TD-0G1	TELECOM DEMOLITION PLAN -BLDG 14
017-TD-011	TELECOM DEMOLITION PLAN -BLDG 17 FIRST FLOOR
018-TD-011	TELECOM DEMOLITION PLAN -BLDG 18
020-TD-011	TELECOM DEMOLITION PLAN -BLDG 20
023-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 23
029-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 29
043-TD-011	TELECOM DEMOLITION PLAN -BLDG 43
053-TD-0B1	TELECOM DEMOLITION PLAN -BLDG 53
065-TD-011	TELECOM DEMOLITION PLAN -BLDG 65
065-TD-012	ENLARGED TELECOM DEMOLITION PLAN -ROOM 109
066-TD-011	TELECOM DEMOLITION PLAN -BLDG 66

SHEET NO.	SHEET NAME
TJ-001	GENERAL TELECOM NOTES
TK-101	TELEPHONE BACKBONE CABLING PLAN
TK-102	TELECOM SCHEDULES
TK-103	VOICE GATEWAY 1 SCHEDULE
TK-104	VOICE GATEWAY 2 SCHEDULE
TK-105	VOICE GATEWAY 3 SCHEDULE
TK-106	TELECOM DUCTBANK AND MAN HOLE ONE LINE
TK-107	DUCT BANK SCHEDULE
TK-108	PATCH PANEL SCHEDULES

VOLUME 3 - CONTINUED

SHEET NO.	SHEET NAME
TK-109	PATCH PANEL SCHEDULES
TK-110	PATCH PANEL SCHEDULES
TK-111	PATCH PANEL SCHEDULES
TK-112	PATCH PANEL SCHEDULES
TK-113	PATCH PANEL SCHEDULES
TK-114	PATCH PANEL SCHEDULES
TK-115	PATCH PANEL SCHEDULES
TK-116	PATCH PANEL SCHEDULES
TK-117	PATCH PANEL SCHEDULES
TK-118	PATCH PANEL SCHEDULES
TK-119	PATCH PANEL SCHEDULES
TK-120	PATCH PANEL SCHEDULES
TK-121	PATCH PANEL SCHEDULES
TK-122	PATCH PANEL SCHEDULES
TK-123	PATCH PANEL SCHEDULES
TK-124	PATCH PANEL SCHEDULES
TK-125	PATCH PANEL SCHEDULES
TK-126	TELECOM GROUNDING DETAILS
TK-127	TELECOM GROUNDING DETAILS
TK-128	FIBER SITE REMODEL ONE LINE -PRIMARY PATHWAYS
TK-129	FIBER SITE REMODEL ONE LINE -SECONDARY PATHWAYS
TK-130	ANALOG SITE REMODEL
TK-131	TELECOM RACK BONDING DETAILS
TK-132	TELECOM RACK BONDING DETAILS
TK-133	TELECOM RACK BONDING DETAILS
TK-134	TELECOM DETAILS
TK-135	NEW PATCH PANEL SCHEDULE -BLDG 1
TK-136	NEW PATCH PANEL SCHEDULE -BLDG 1 & 2
TK-137	NEW PATCH PANEL SCHEDULE -BLDG 3 & 5
TK-138	NEW PATCH PANEL SCHEDULE -BLDG 6, 7, 8, & 11
TK-139	NEW PATCH PANEL SCHEDULE -BLDG 12
TK-140	NEW PATCH PANEL SCHEDULE -BLDG 12
TK-141	NEW PATCH PANEL SCHEDULE -BLDG 12
TK-142	NEW PATCH PANEL SCHEDULE -BLDG 12
TK-143	NEW PATCH PANEL SCHEDULE -BLDG 12
TK-144	NEW PATCH PANEL SCHEDULE -BLDG 14, 17, 18, 20, 23, 29 & 43
TK-145	NEW PATCH PANEL SCHEDULE -BLDG 53, 65 & 66
TS-001	TELECOM SITE PLAN
TS-002	EXISTING BLOW IN FIBER SITE PLAN

SHEET NO.	SHEET NAME
001-TN-0B1	TELECOM REMODEL PLAN -BLDG 1 BASEMENT
001-TN-0B1.1	TELECOM DISTANCE ASSESMENT -BLDG 1 BASEMENT
001-TN-011	TELECOM REMODEL PLAN -BLDG 1 FIRST FLOOR
001-TN-021	TELECOM REMODEL PLAN -BLDG 1 SECOND FLOOR
001-TN-031	TELECOM REMODEL PLAN -BLDG 1 THIRD FLOOR
002-TN-0B1	TELECOM REMODEL PLAN -BLDG 2 SUB-BASEMENT/BASEMENT
002-TN-0B1.1	TELECOM DISTANCE ASSESMENT -BLDG 2 BASEMENT
002-TN-011	TELECOM REMODEL PLAN -BLDG 2 FIRST & SECOND FLOORS
002-TN-021.1	TELECOM DISTANCE ASSESMENT -BLDG 2 SECOND FLOOR
003-TN-0B1	TELECOM REMODEL PLAN -BLDG 3 FLOOR LAYOUTS
003-TN-0B1.1	TELECOM DISTANCE ASSESMENT -BLDG 3 FIRST FLOOR
005-TN-011	TELECOM REMODEL PLAN -BLDG 5
005-TN-011.1	TELECOM DISTANCE ASSESMENT -BLDG 5 SECOND FLOOR
006-TN-0B1	TELECOM REMODEL PLANS -BLDG 6
006-TN-011.1	TELECOM DISTANCE ASSESMENT -BLDG 6 FIRST FLOOR
007-TN-B1	TELECOM REMODEL PLAN -BLDG 7 BASEMENT
007-TN-011.1	TELECOM DISTANCE ASSESMENT -BLDG 7 FIRST FLOOR
008-TN-B1	TELECOM REMODEL PLAN -BLDG 8 BASEMENT
008-TN-011	TELECOM DISTANCE ASSESMENT -BLDG 8 FIRST & SECOND FLOOR
008-TN-011.1	TELECOM DISTANCE ASSESMENT -BLDG 8
009-TN-B1	TELECOM REMODEL PLAN -BLDG 9
010-TN-001	TELECOM REMODEL PLAN -BLDG 10
011-TN-0B1	TELECOM REMODEL PLAN -BLDG 11
011-TN-0B1.1	TELECOM DISTANCE ASSESMENT -BLDG 11 BASEMENT
012-TJ-0B1A	TELECOM REMODEL PLAN -BLDG 12 BASEMENT A ENLARGED
012-TJ-0B1C	TELECOM REMODEL PLAN -BLDG 12 BASEMENT C/D ENLARGED
012-TJ-001A	TELECOM REMODEL PLAN -BLDG 12 GROUND A ENLARGED
012-TJ-001B	TELECOM REMODEL PLAN -BLDG 12 GROUND B ENLARGED
012-TJ-001C	TELECOM REMODEL PLAN -BLDG 12 GROUND C/D ENLARGED
012-TJ-011A	TELECOM REMODEL PLAN -BLDG 12 FIRST FLOOR A ENLARGED
012-TJ-011B	TELECOM REMODEL PLAN -BLDG 12 FIRST FLOOR B ENLARGED
012-TJ-011C	TELECOM REMODEL PLAN -BLDG 12 FIRST FLOOR C/D ENLARGED
012-TJ-021A	TELECOM REMODEL PLAN -BLDG 12 SECOND FLOOR A ENLARGED
012-TJ-021B	TELECOM REMODEL PLAN -BLDG 12 SECOND FLOOR B ENLARGED
012-TJ-021C	TELECOM REMODEL PLAN -BLDG 12 SECOND FLR C/D ENLARGED
012-TJ-031B	TELECOM REMODEL PLAN -BLDG 12 THIRD FLOOR B ENLARGED
012-TJ-031C	TELECOM REMODEL PLAN -BLDG 12 THIRD FLOOR C/D ENLARGED
012-TN-0B1	TELECOM REMODEL PLAN -BLDG 12 BASEMENT
012-TN-0B1.1	TELECOM DISTANCE ASSESMENT -BLDG 12 BASEMENT
012-TN-001	TELECOM REMODEL PLAN -BLDG 12 GROUND
012-TN-001.1	TELECOM DISTANCE ASSESSMENT -BLDG 12 GND FLR
012-TN-001.2	TELECOM DISTANCE ASSESSMENT -BLDG 12 GND FLR
012-TN-001.3	TELECOM DISTANCE ASSESSMENT -BLDG 12 GND FLR
012-TN-011	TELECOM REMODEL PLAN -BLDG 12 FIRST FLOOR
012-TN-011.1	TELECOM DISTANCE ASSESSMENT -BLDG 12 1ST FLR
012-TN-011.2	TELECOM DISTANCE ASSESSMENT -BLDG 12 1ST FLR
012-TN-021	TELECOM REMODEL PLAN -BLDG 12 SECOND FLOOR
012-TN-021.1	TELECOM DISTANCE ASSESSMENT -BLDG 12 2ND FLR
012-TN-031	TELECOM REMODEL PLAN -BLDG 12 THIRD FLOOR
012-TN-031.1	TELECOM DISTANCE ASSESSMENT -BLDG 12 3RD FLR
012-TN-041	TELECOM REMODEL PLAN -BLDG 12 FOURTH FLOOR
012-TN-041.1	TELECOM DISTANCE ASSESSMENT -BLDG 12 4TH FLR
013-TN-011	TELECOM REMODEL PLAN -BLDG 13 FIRST FLOOR
014-TN-0G1	TELECOM REMODEL PLAN -BLDG 14
014-TN-0G1.1	TELECOM DISTANCE ASSESMENT -BLDG 14 FIRST FLOOR
017-TN-011	TELECOM REMODEL PLAN -BLDG 17 FIRST FLOOR
017-TN-011.1	TELECOM DISTANCE ASSESMENT -BLDG 17 FIRST FLOOR
018-TN-011	TELECOM REMODEL PLAN -BLDG 18
018-TN-011.1	TELECOM DISTANCE ASSESMENT -BLDG 18
020-TN-011	TELECOM REMODEL PLAN -BLDG 20
020-TN-011.1	TELECOM DISTANCE ASSESMENT -BLDG 20
023-TN-0B1	TELECOM REMODEL PLAN -BLDG 23
023-TN-0B1.1	TELECOM DISTANCE ASSESMENT -BLDG 23
029-TN-0B1	TELECOM REMODEL PLAN -BLDG 29
029-TN-0B1.1	TELECOM DIST ASSESSMENT-BLDG 29 BASEMENT
043-TN-011	TELECOM REMODEL PLAN -BLDG 43
043-TN-011.1	TELECOM DISTANCE ASSESSMENT -BLDG 43
053-TN-0B1	TELECOM REMODEL PLAN -BLDG 53
053-TN-021.1	TELECOM DISTANCE ASSESSMENT -BLDG 53
065-TN-011	TELECOM REMODEL PLAN -BLDG 65
065-TN-011.1	TELECOM DISTANCE ASSESSMENT -BLDG 65
065-TN-012	ENLARGED TELECOM REMODEL PLAN -ROOM 109
065-TN-012.1	VA MCR DETAILS
065-TN-012.2	VA MCR DETAILS
065-TN-012.3	VA MCR DETAILS
066-TN-011	TELECOM REMODEL PLAN -BLDG 66
066-TN-011.1	TELECOM DISTANCE ASSESMENT -BLDG 66

END OF VOLUME 3

VOLUME 4

ELECTRICAL

SHEET NO.	SHEET NAME
00-GI-000.3	COVER SHEET VOLUME 3
00-GI-001	INDEX OF DRAWINGS
001-ED-0B1	ELECTRICAL DEMOLITION PLAN -BLDG 1 BASEMENT & 1ST FLOOR
001-ED-021	ELECTRICAL DEMOLITION PLAN -BLDG 1 SECOND & THIRD FLOOR
002-ED-0B1	ELECTRICAL DEMOLITION PLAN -BLDG 2 BASEMENT
002-ED-021	ELECTRICAL DEMOLITION PLAN -BLDG 2 SECOND FLOOR
003-ED-0B1	ELECTR

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

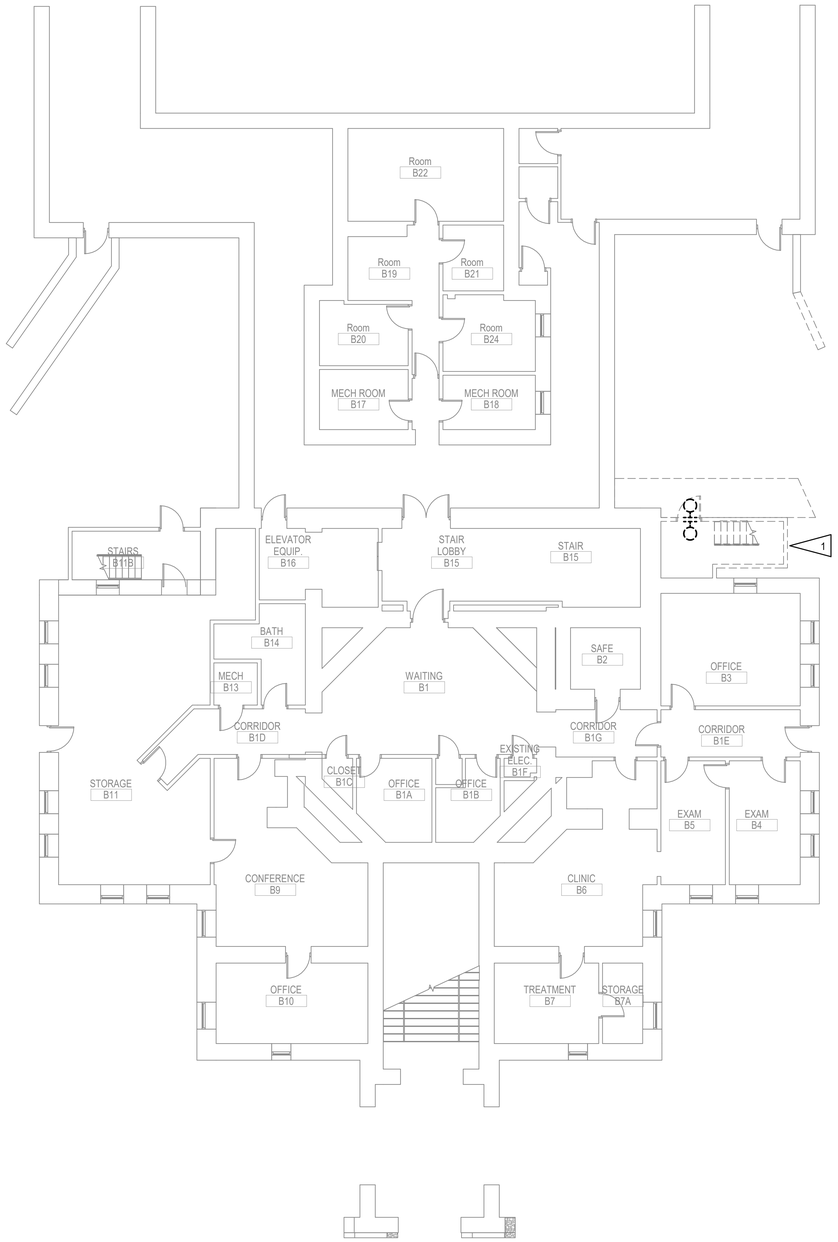
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

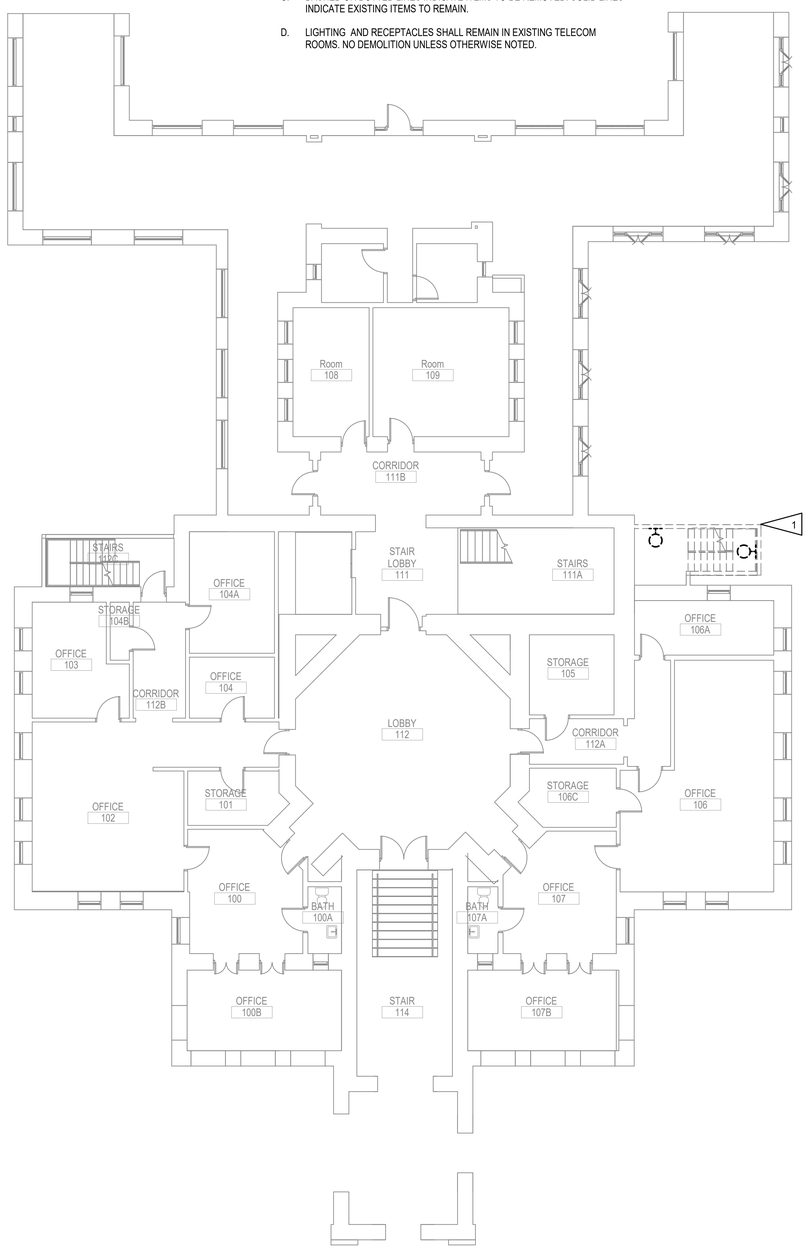
SHEET NOTES: 1

1. DEMOLISH ELECTRICAL SYSTEMS IN ENCLOSED STAIRCASE. SALVAGE LOCAL LIGHTING CIRCUIT FOR EXTENSION TO NEW LOCATION.



1 ELECTRICAL DEMOLITION PLAN - BLDG 1 BASEMENT
1/8" = 1'-0"

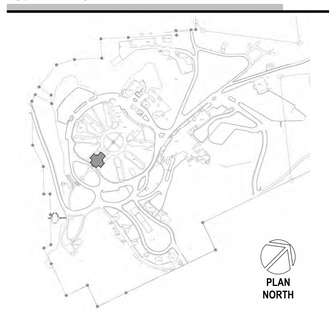
PLAN NORTH



2 ELECTRICAL DEMOLITION PLAN - BLDG 1 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 49TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 1 BASEMENT & 1ST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 001-ED-0B1
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Cadd\Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_-koppCASETM.rvt

2/22/2022 9:22:26 PM

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

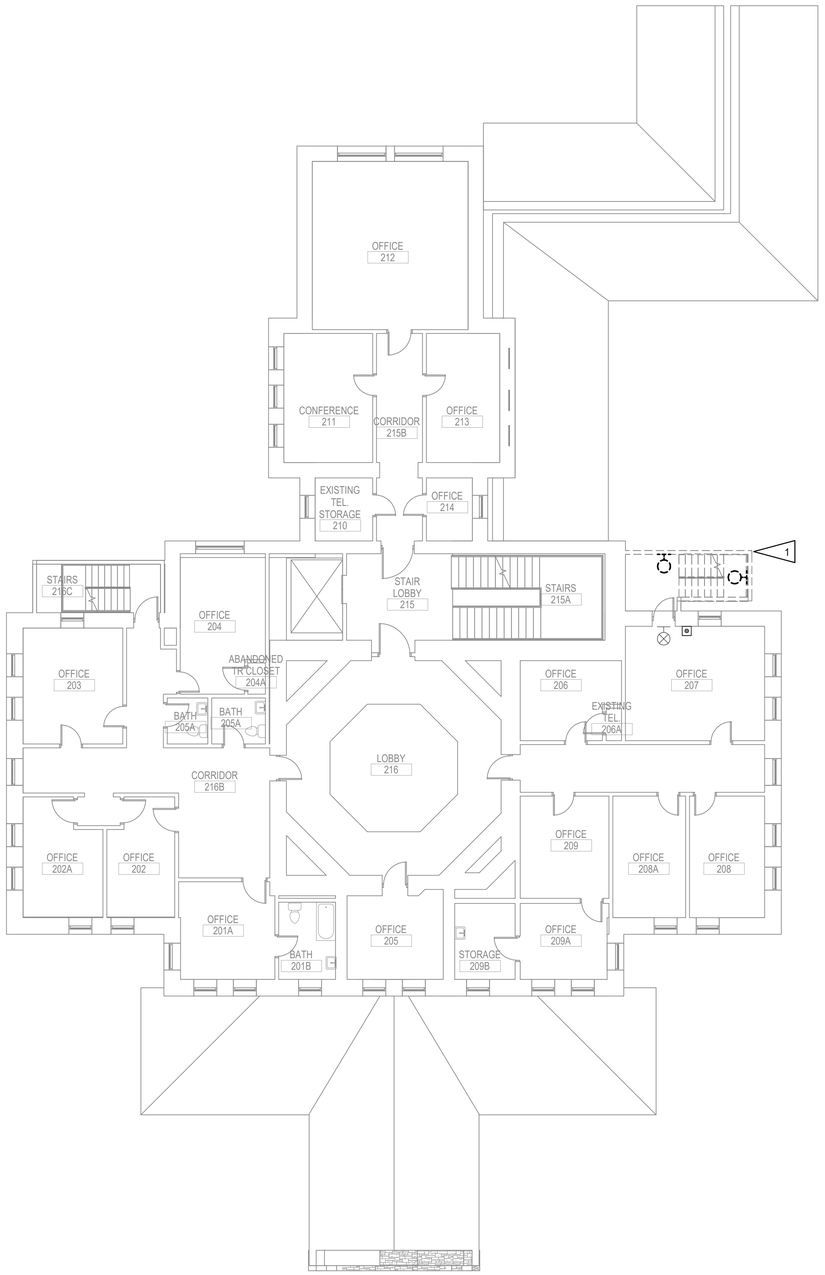
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

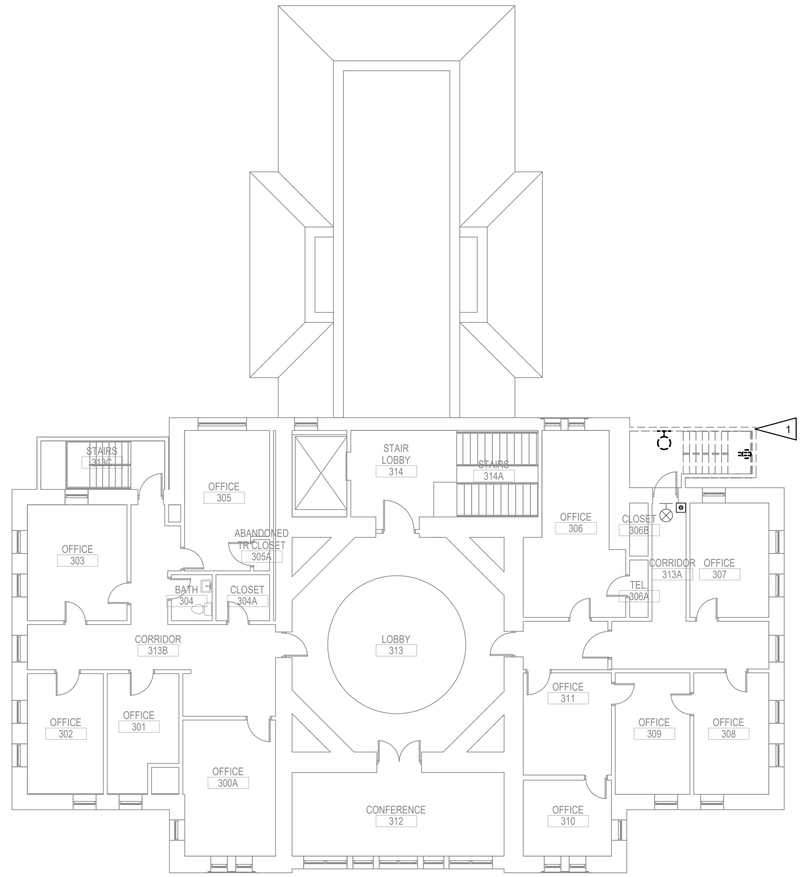
SHEET NOTES: 1

1. DEMOLISH ELECTRICAL SYSTEMS IN ENCLOSED STAIRCASE. SALVAGE LOCAL LIGHTING CIRCUIT FOR EXTENSION TO NEW LOCATION.



1 ELECTRICAL DEMOLITION PLAN - BLDG 1 SECOND FLOOR
1/8" = 1'-0"

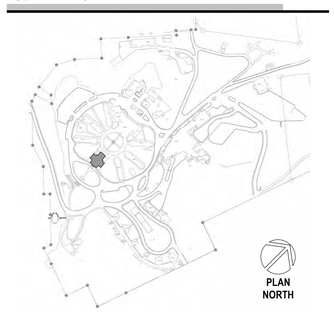
PLAN NORTH



2 ELECTRICAL DEMOLITION PLAN - BLDG 1 THIRD FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 1 SECOND & THIRD FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 001-ED-021
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\ LOCALS\M1121_ESERIES_BLDG 1_20_Jkopp2QETM.rvt

2/22/2023 5:22:28 PM

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

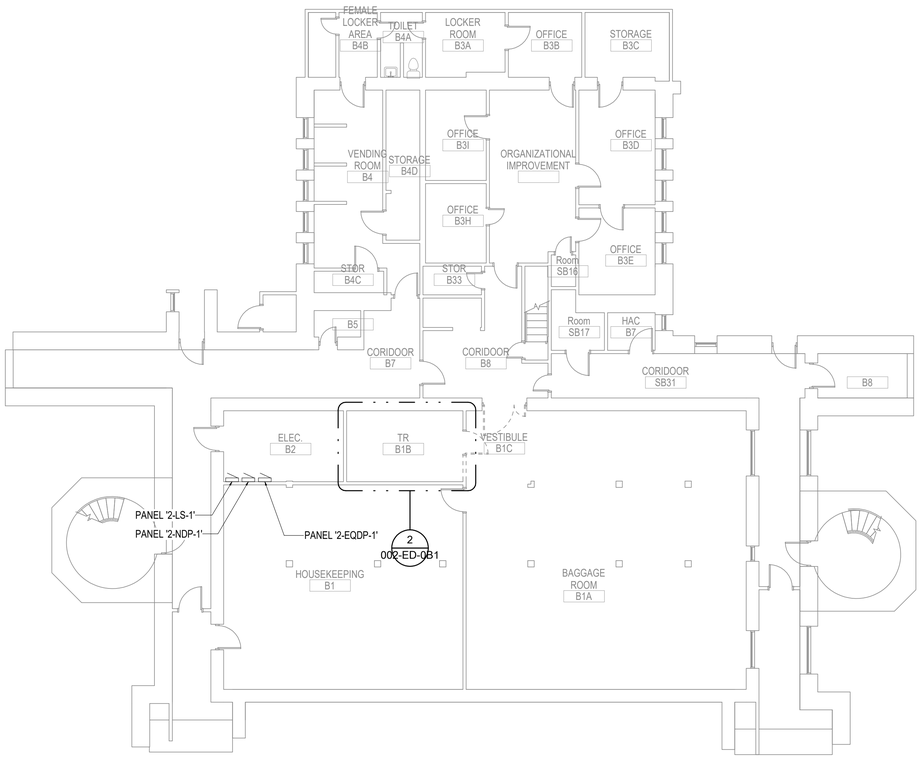
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

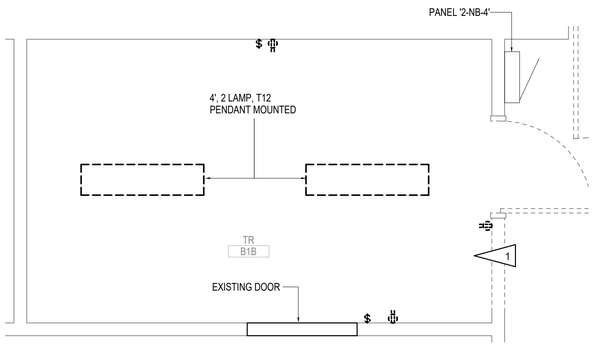
SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



1 ELECTRICAL DEMOLITION PLAN - BLDG 2 BASEMENT
1/8" = 1'-0"

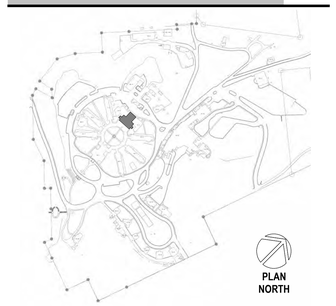
PLAN NORTH



2 ENLARGED ROOM - B1B ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST, UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 2 BASEMENT	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 02
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 002-ED-0B1

VA FORM 08 - 6231

C:\Users\Celto.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 2_r20_dkoppCGETM.rvt

2/22/2022 5:39:15 PM

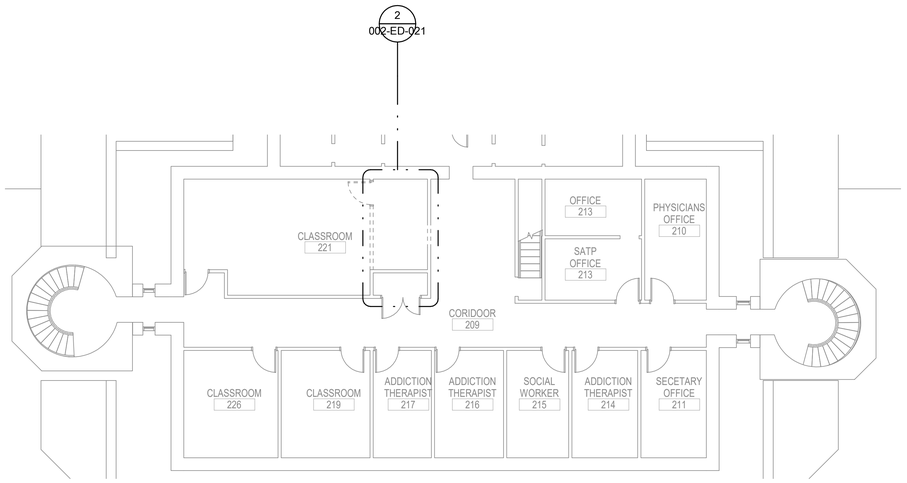
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

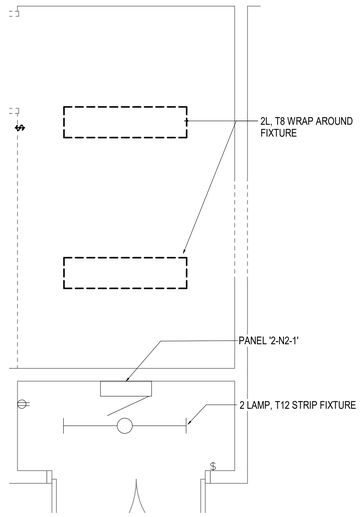
C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION PLAN - BLDG 2 SECOND FLOOR
1/8" = 1'-0"

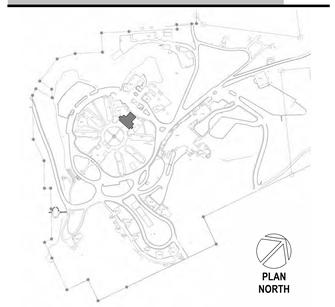
PLAN NORTH



2 ENLARGED ROOM - 218 ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST, UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 2 SECOND FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 02
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 002-ED-021
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 2_(20_)kopppQCETM.rvt

2/22/2022 5:39:16 PM

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK

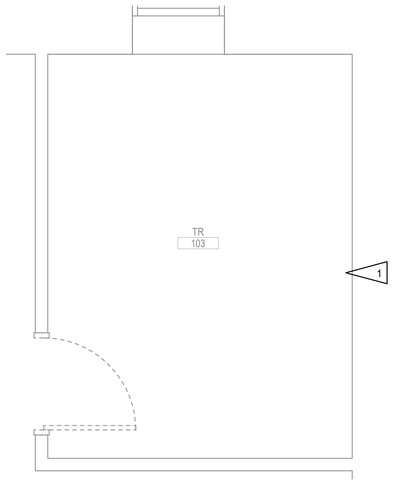
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

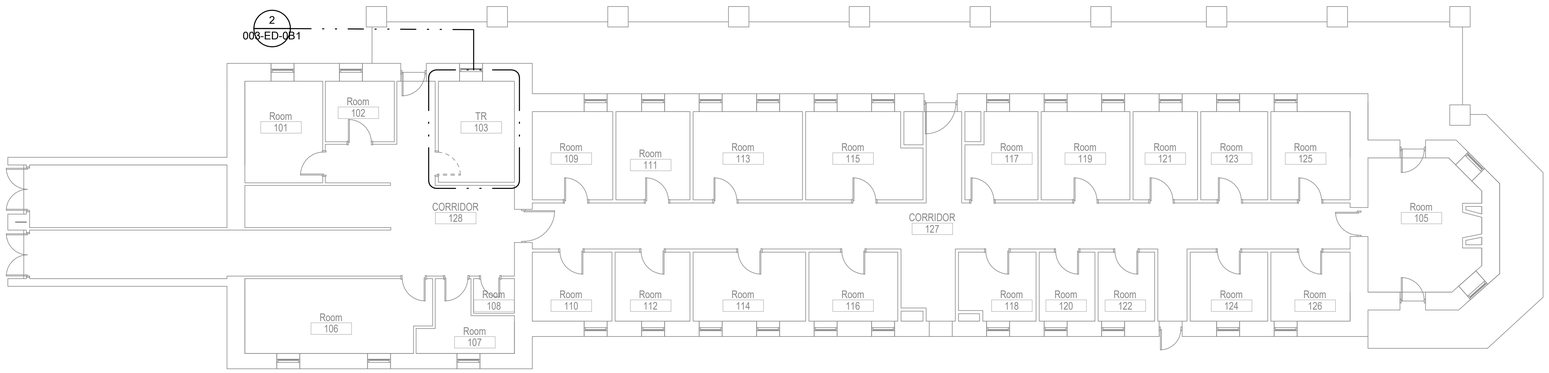
SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



2 ENLARGED ROOM - 103 ELECTRICAL DEMOLITION
1/2" = 1'-0"

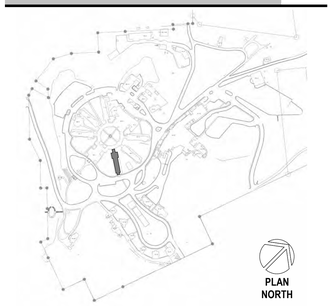
PLAN NORTH



1 ELECTRICAL DEMOLITION - BLDG 3 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

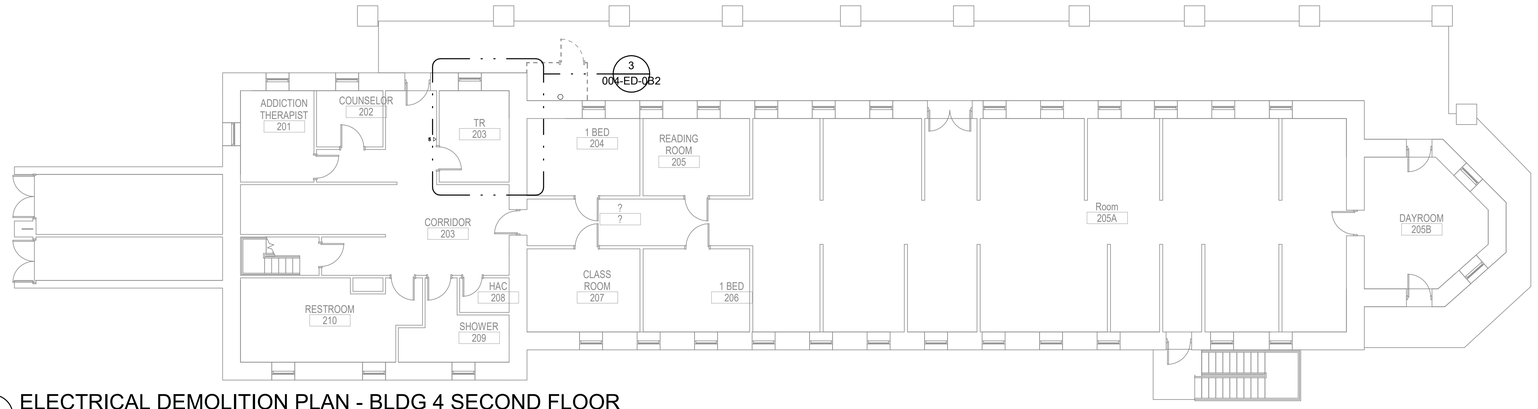
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 3	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 03
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 003-ED-0B1

VA FORM 08 - 6231

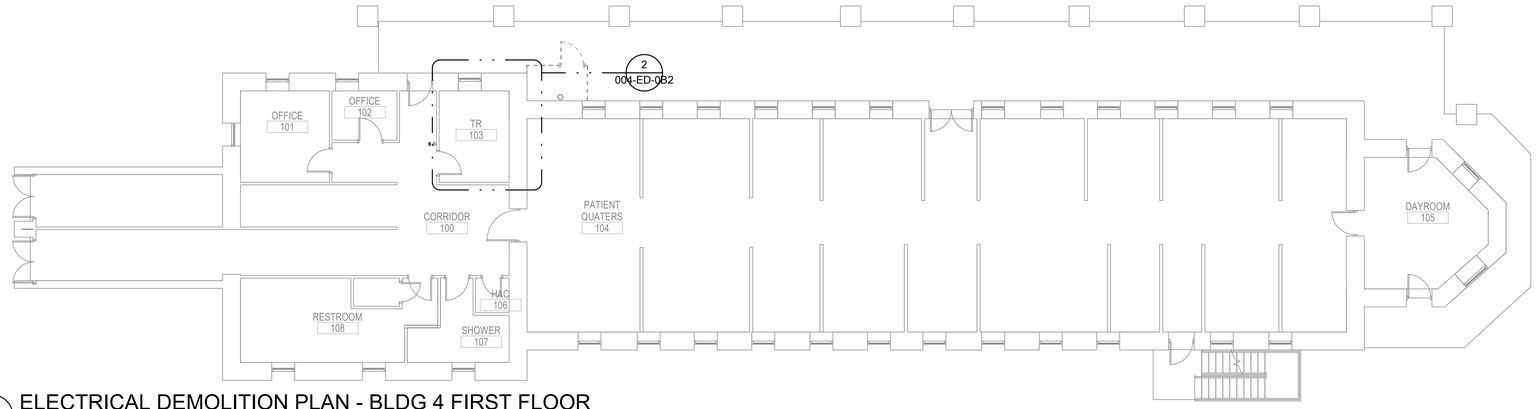
2/22/2022 5:47:38 PM

C:\Users\Caleb.Kopp\Documents\REVIT 2020\ LOCALS\M1121_ESERIES_BLDG 3_r20_ckopp0QETM.rvt



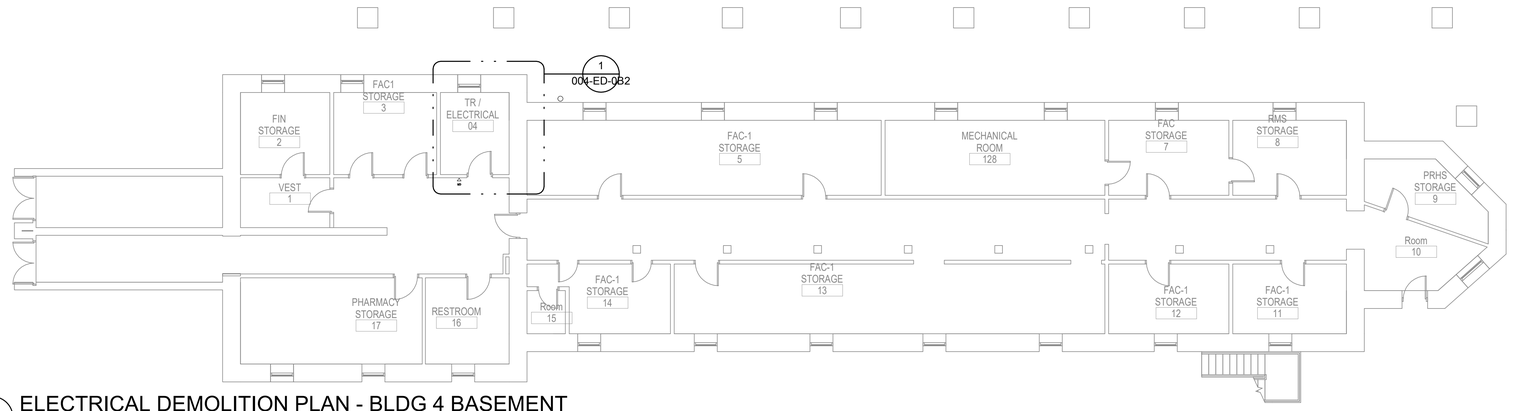
3 ELECTRICAL DEMOLITION PLAN - BLDG 4 SECOND FLOOR
1/8" = 1'-0"

PLAN NORTH



2 ELECTRICAL DEMOLITION PLAN - BLDG 4 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH



1 ELECTRICAL DEMOLITION PLAN - BLDG 4 BASEMENT
1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES:

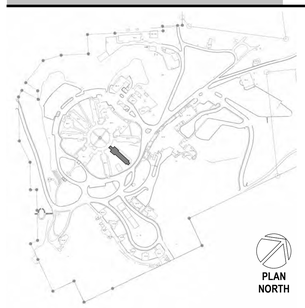
A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 49TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL DEMO PLAN - BLDG 4 LAYOUTS	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
			BUILDING NUMBER: 04
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 004-ED-0B1
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: NVF	

C:\Users\Calib\Kopp\Documents\REVIT 2020 LOCALS\M121_ESERIES_BLDG 4_AD_4koppCAETM.rvt
2/22/2022 6:02:58 PM

VA FORM 08 - 6231

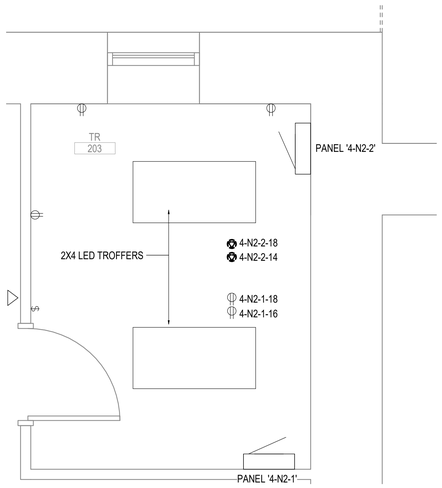
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

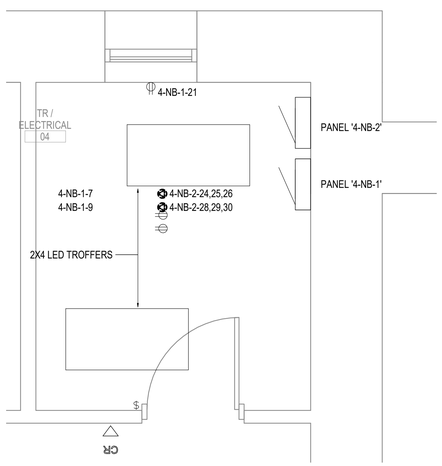
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

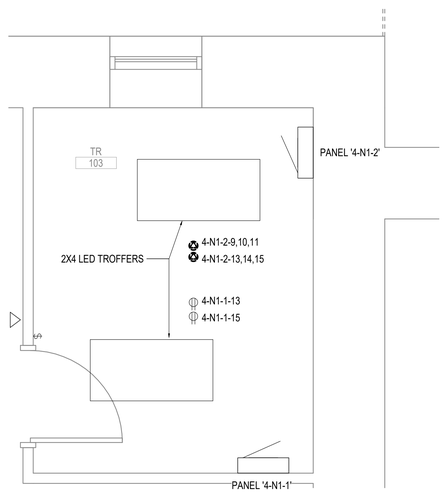
D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



3 ENLARGED ROOM - 203 ELECTRICAL DEMOLITION
1/2" = 1'-0"
PLAN NORTH

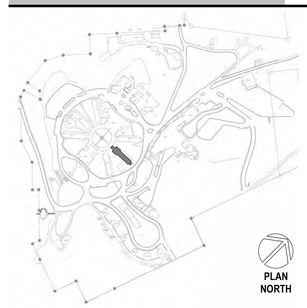


1 ENLARGED ROOM - 04 ELECTRICAL DEMOLITION
1/2" = 1'-0"
PLAN NORTH



2 ENLARGED ROOM - 103 ELECTRICAL DEMOLITION
1/2" = 1'-0"
PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
49TH
JEREMY A. MAXIED
EE-113842
2/22/22
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 4 ENLARGED PLANS	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 04
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 004-ED-0B2
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: NVF	

VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 4_r20_KoppCAGETM.rvt

2/22/2022 6:02:37 PM

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

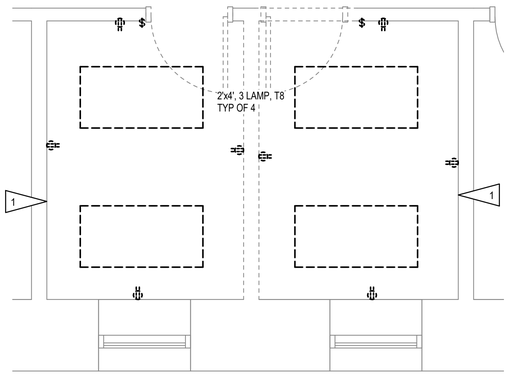
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

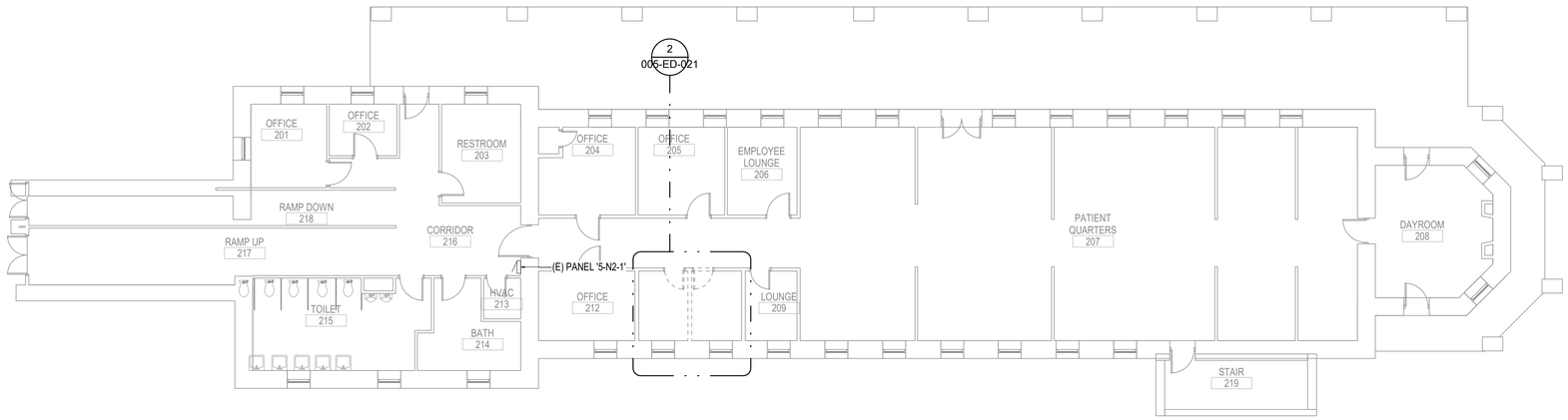
SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



2 ENLARGED ROOM - 211 ELECTRICAL DEMOLITION
1/2" = 1'-0"

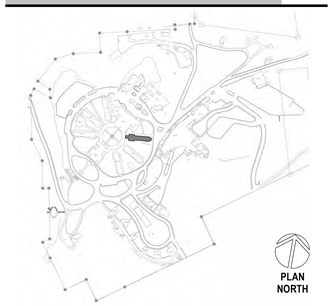
PLAN NORTH



1 ELECTRICAL DEMOLITION PLAN - BLDG 5 SECOND FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

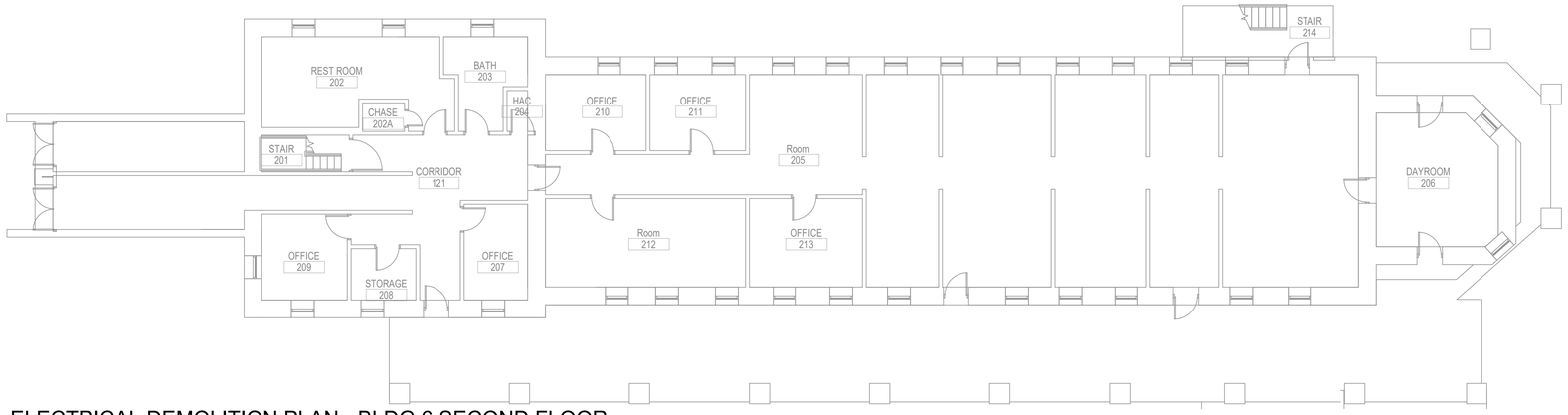
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 5 SECOND FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 05
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 005-ED-021

VA FORM 08 - 6231

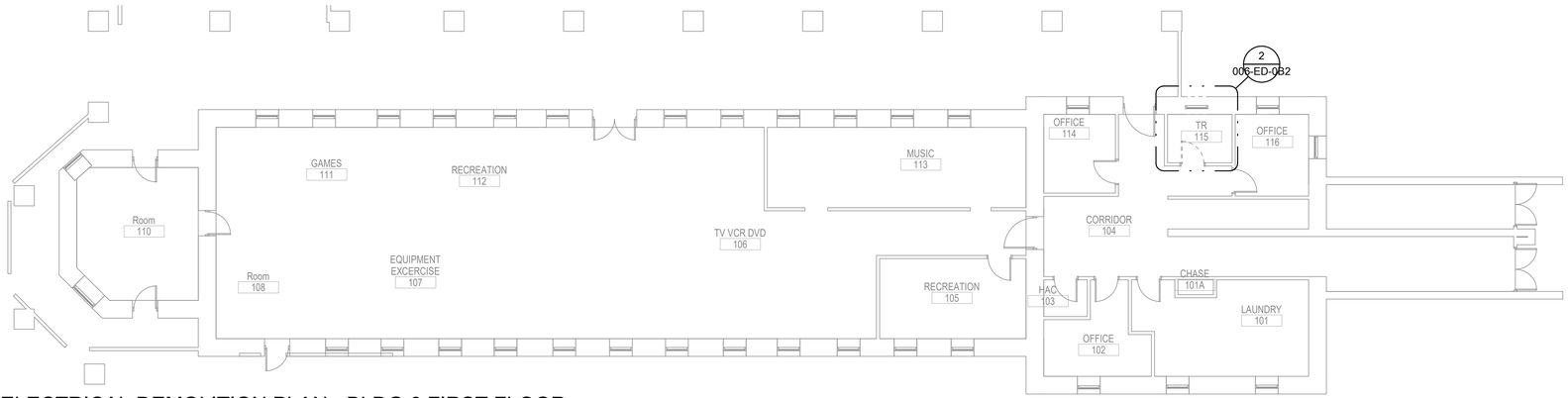
2/22/2022 6:16:05 PM

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 5_r20_ckopp\QCETM.rvt



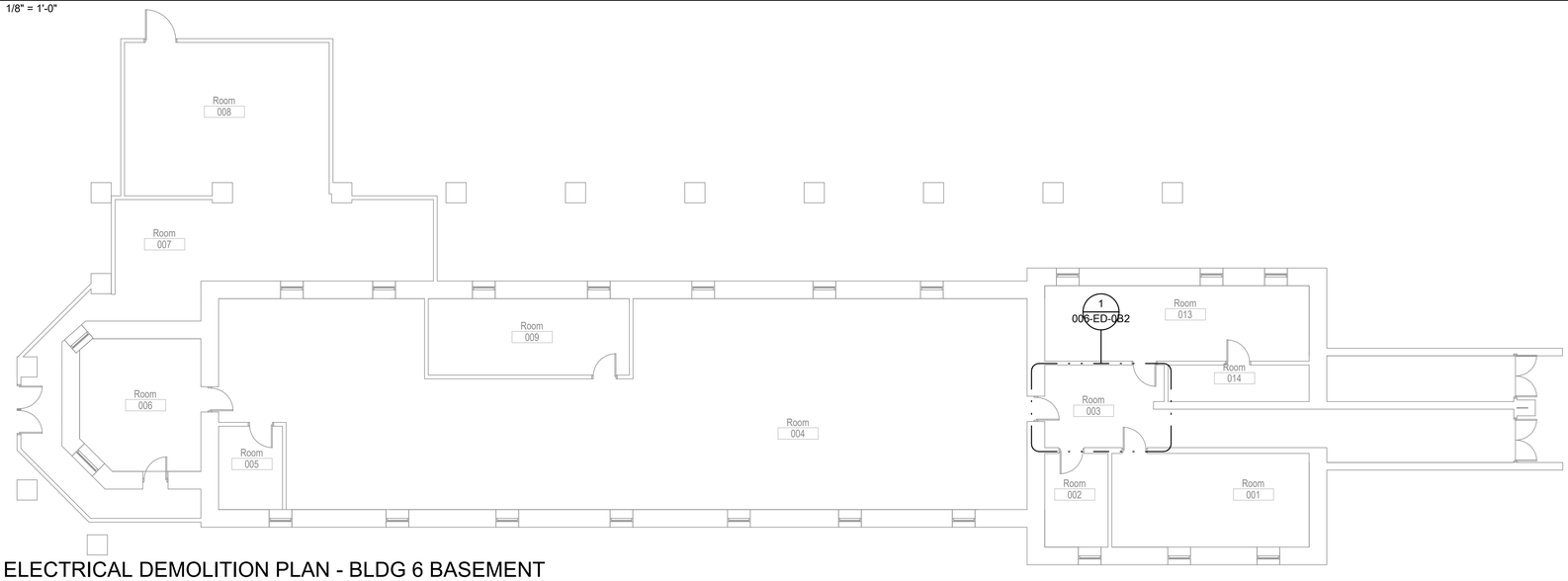
3 ELECTRICAL DEMOLITION PLAN - BLDG 6 SECOND FLOOR
1/8" = 1'-0"

PLAN NORTH



2 ELECTRICAL DEMOLITION PLAN - BLDG 6 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH



1 ELECTRICAL DEMOLITION PLAN - BLDG 6 BASEMENT
1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES:

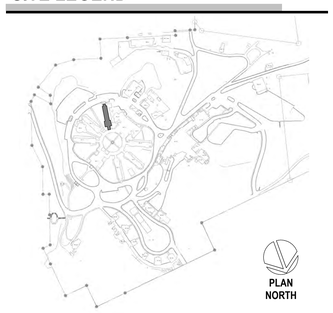
A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS - ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLANS - BLDG 6	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 06
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 006-ED-0B1

VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 6_r20_caleb.rvt
4/28/2022 8:54:21 AM

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

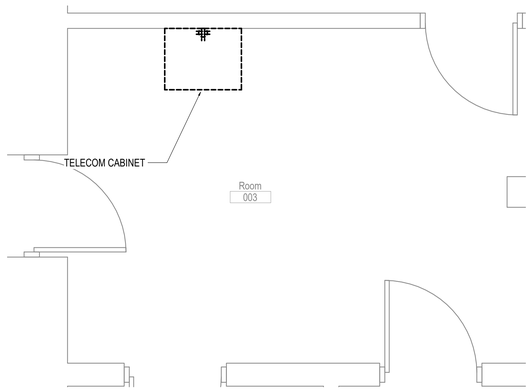
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

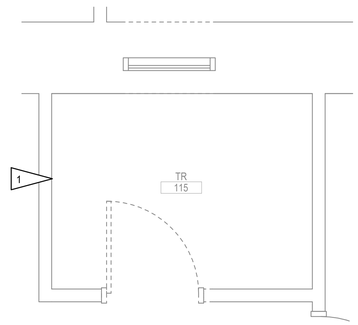
D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.

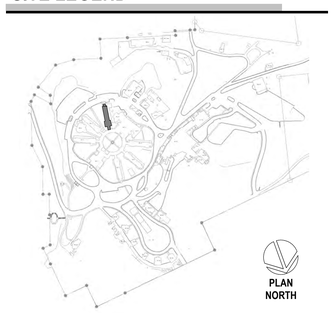


1 ENLARGED ROOM - FOYER ELECTRICAL DEMOLITION
1/2" = 1'-0"



2 ENLARGED ROOM - 115 ELECTRICAL DEMOLITION
1/2" = 1'-0"

SITE LEGEND



Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

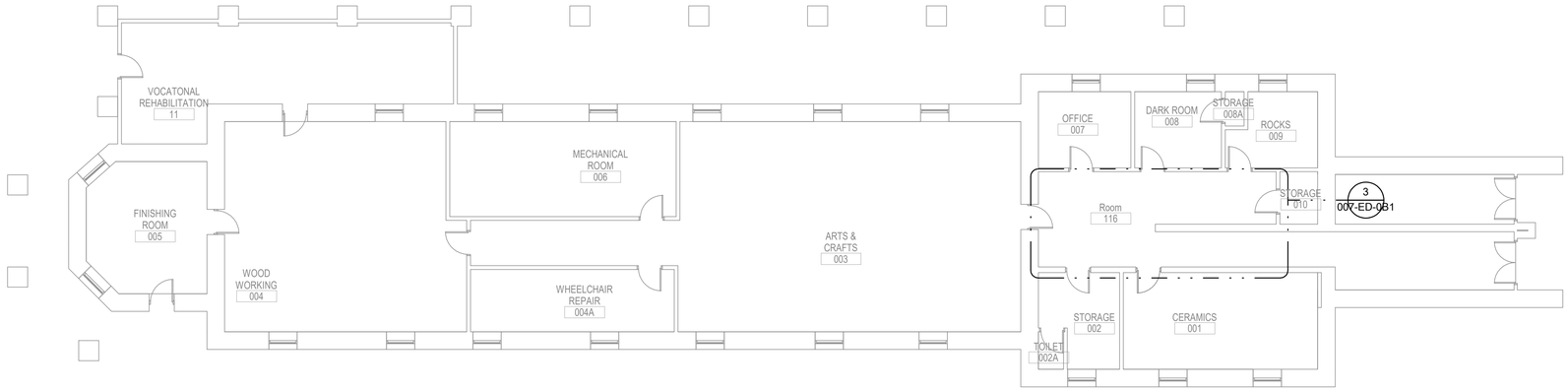
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ENLARGED ELECTRICAL DEMOLITION PLANS - BLDG 6	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 06
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 006-ED-0B2

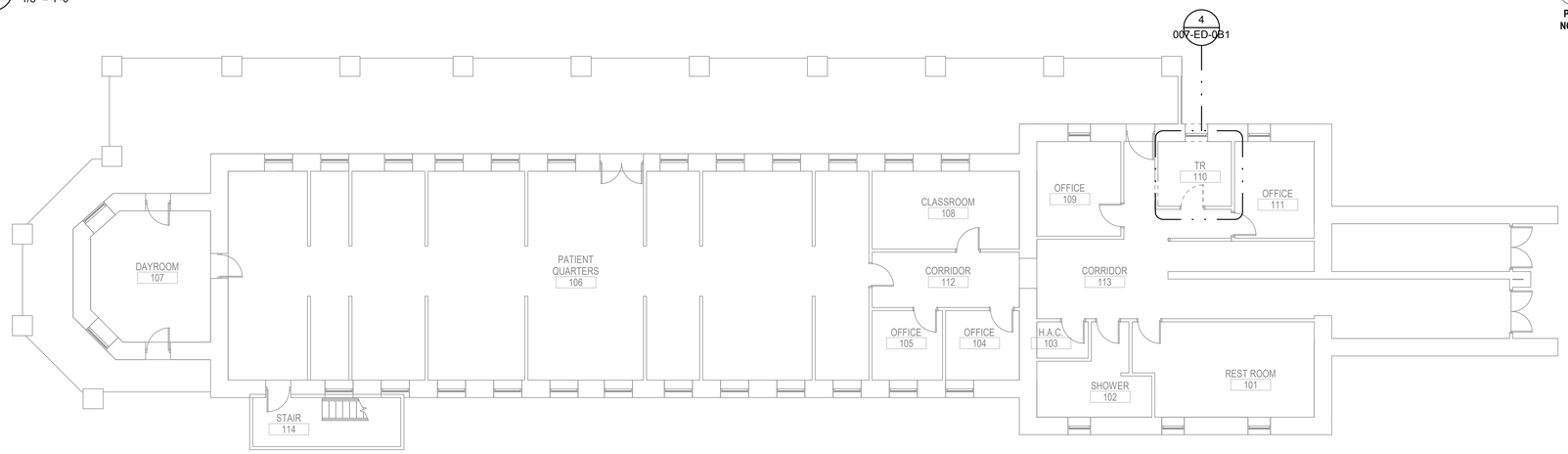
VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\ LOCAL\SM1121_ESERIES_BLDG 6_r20_ckopp\CAETM.rvt
4/28/2022 8:54:22 AM



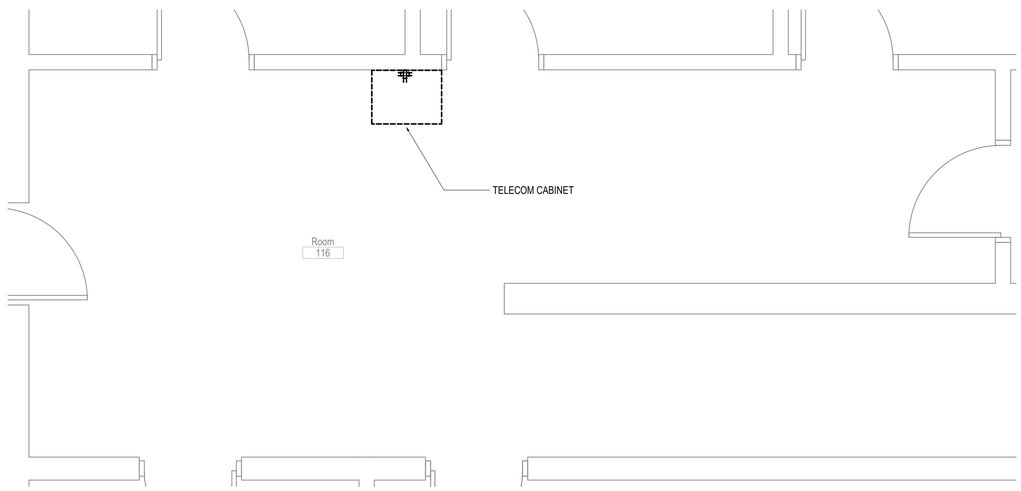
1 ELECTRICAL DEMOLITION PLAN - BLDG 7 BASEMENT
1/8" = 1'-0"

PLAN NORTH



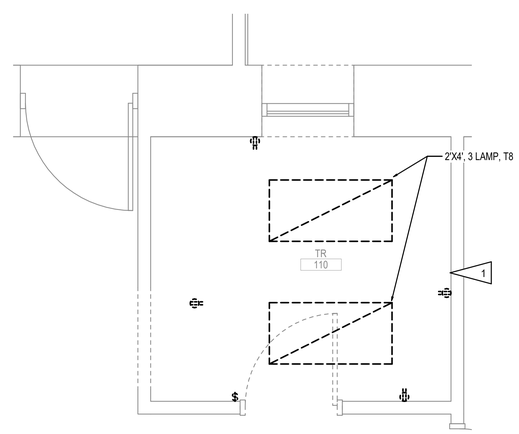
2 ELECTRICAL DEMOLITION PLAN - BLDG 7 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH



3 ENLARGED ROOM - BASEMENT FOYER ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH



4 ENLARGED ROOM - 110 ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

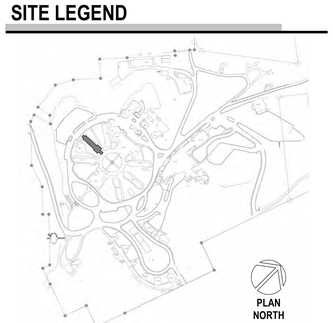
C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM of Oregon
1584 McNeil St. Suite 200
Dupont, WA 98327
P: 360.915.5128
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — 02/22/2022 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLANS - BLDG 7	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Porject Director	FLS: FULLY SPRINKLERED	LOCATION	BUILDING NUMBER: 07
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 007-ED-0B1

C:\Users\Caleb.Kopp\Documents\REVIT 2020\ LOCALS\M1121_ESERIES_BLDG 7_R0_ckopp\QGETM.rvt

2/22/2022 6:25:32 PM

VA FORM 08 - 6231

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

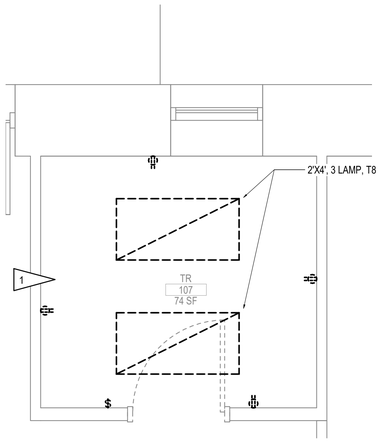
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

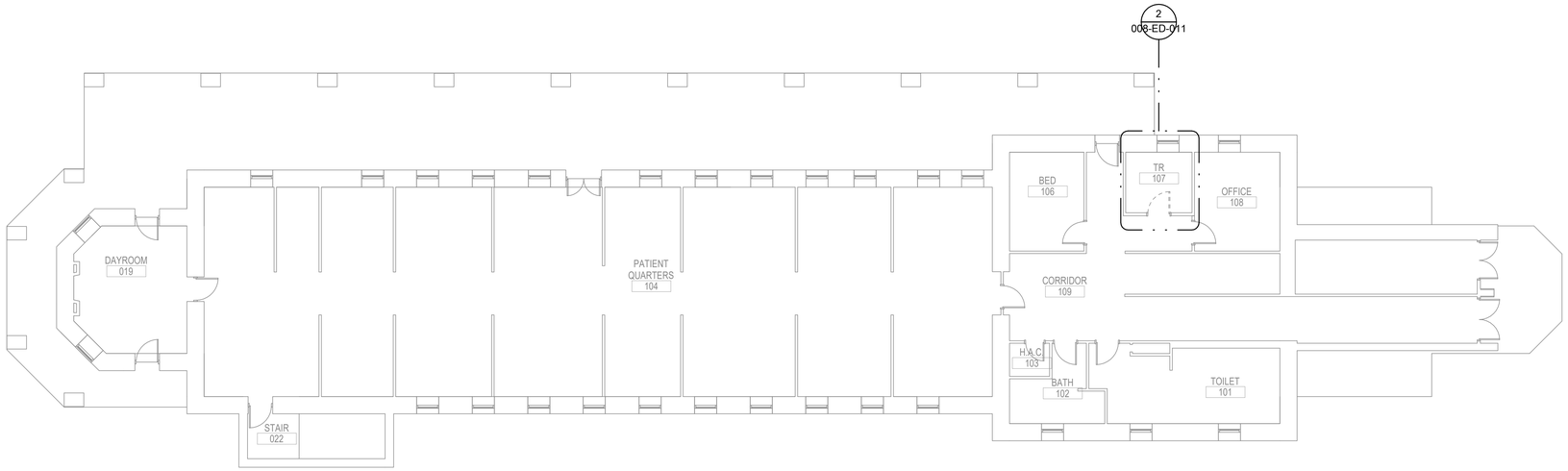
SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



2 ENLARGED ROOM - 107 ELECTRICAL DEMOLITION
1/2" = 1'-0"

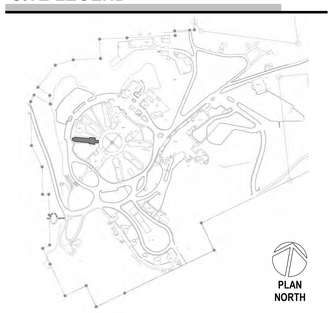
PLAN NORTH



1 ELECTRICAL DEMOLITION PLAN - BLDG 8 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JAQD
JEREMY A. MAXIE
EE-113847
LICENSED PROFESSIONAL ENGINEER
2/22/2022

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 8 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 08
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 008-ED-011
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALS\AR121_ESERIES_BLDG 8_r20_ckopp\CKETM.rvt

2/22/2022 6:28:47 PM

VA FORM 08 - 6231

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

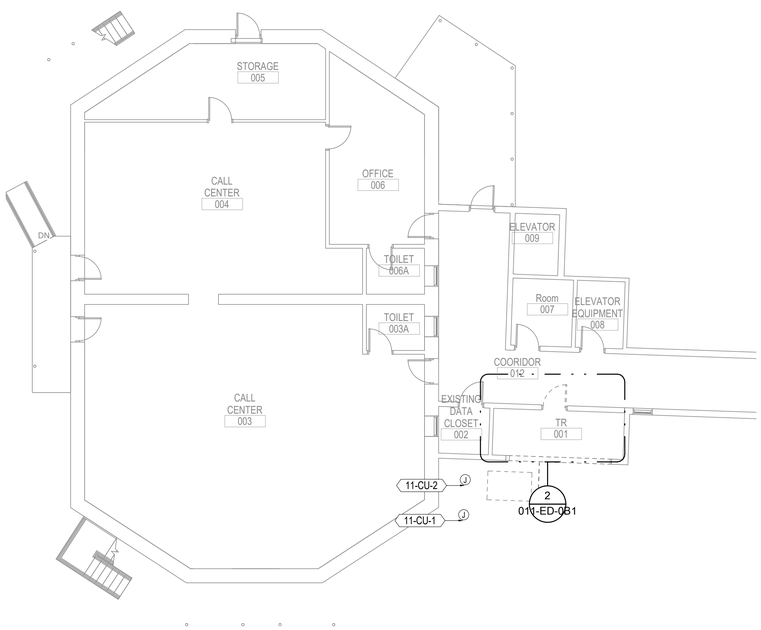
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

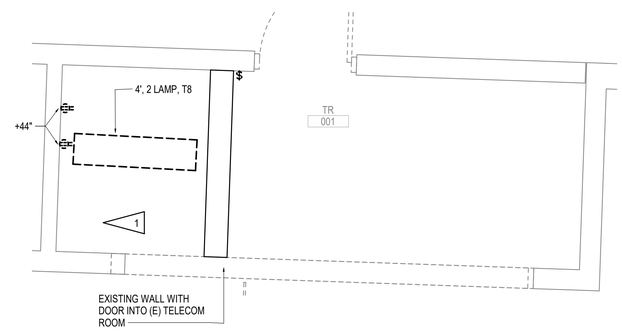
SHEET NOTES: 1

1. EXISTING TELECOM SPACE. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION PLAN - BLDG 11 BASEMENT
1/8" = 1'-0"

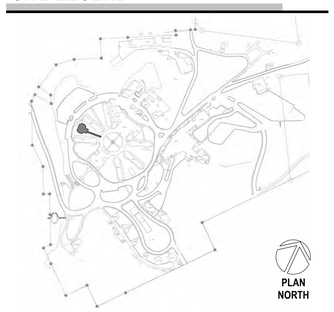
PLAN NORTH



2 ENLARGED ROOM - 01/02 ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 11	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 11
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 011-ED-0B1
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M112L_ESERIES_BLDG 11_r20_ckopp\CKETM.rvt

2/22/2022 6:54:32 PM

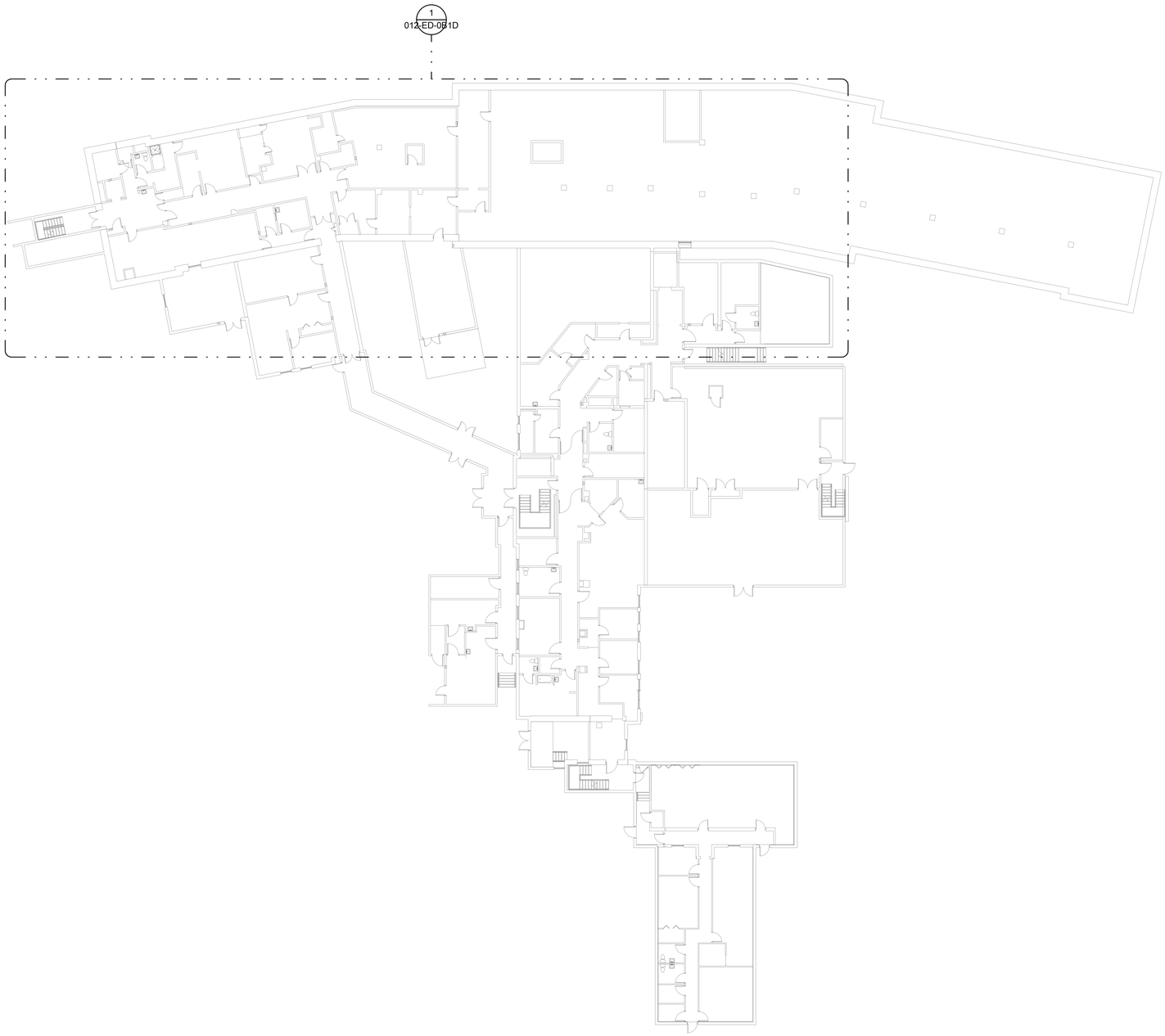
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION LAYOUT - BLDG 12 BASEMENT
1/16" = 1'-0"

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AEOC5342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

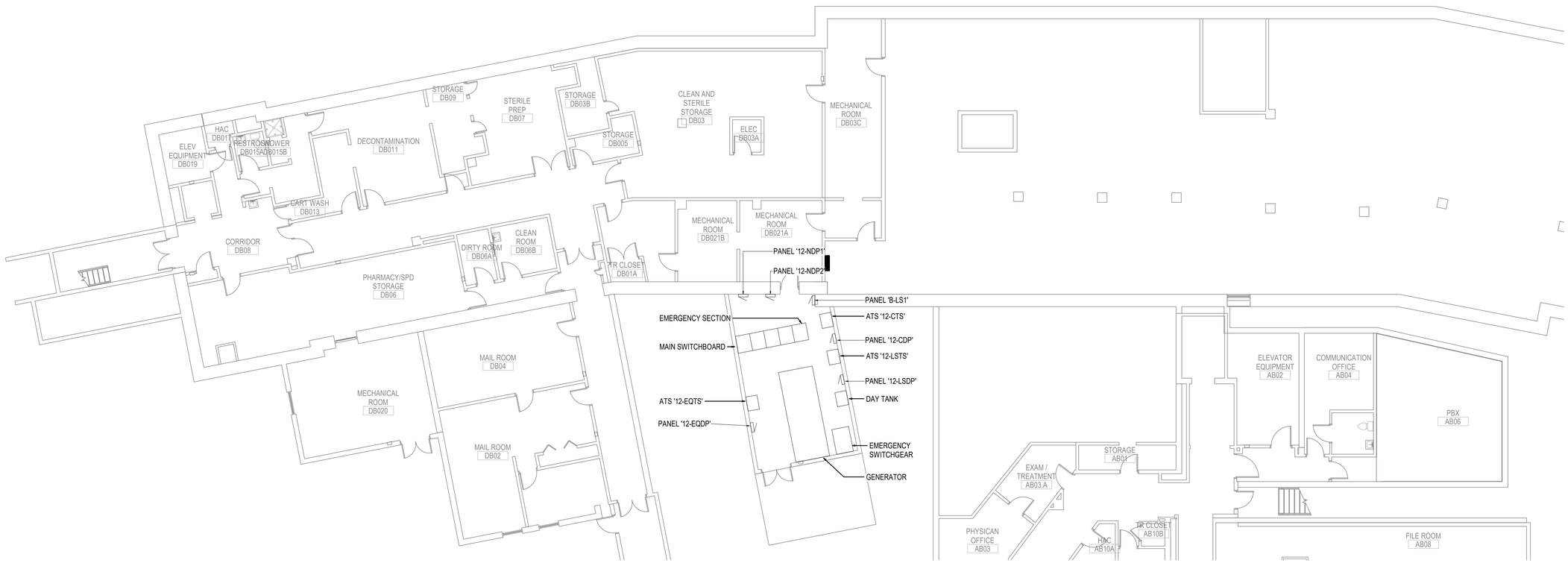
DRAWING TITLE: ELECTRICAL DEMOLITION - BLDG 12 BASEMENT	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-ED-0B1
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 12_r20_kopp0GETM.rvt
2/22/2022 6:48:24 PM

VA FORM 08 - 6231

GENERAL NOTES:

A. SEE SHEET 012-ED-0B1 FOR GENERAL NOTES.



1 ELECTRICAL DEMOLITION PLAN - BLDG 12 BASEMENT SECTOR C AND D

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — 10 OCT 2021 — JEREMY A. MAXIE — EE-113847 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL DEMOLITION - BLDG 12 BASEMENT C/D	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-ED-0B1D
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALS\M121_ESERIES_BLDG 12_20_ckopp2QETM.rvt

2/22/2022 6:48:25 PM

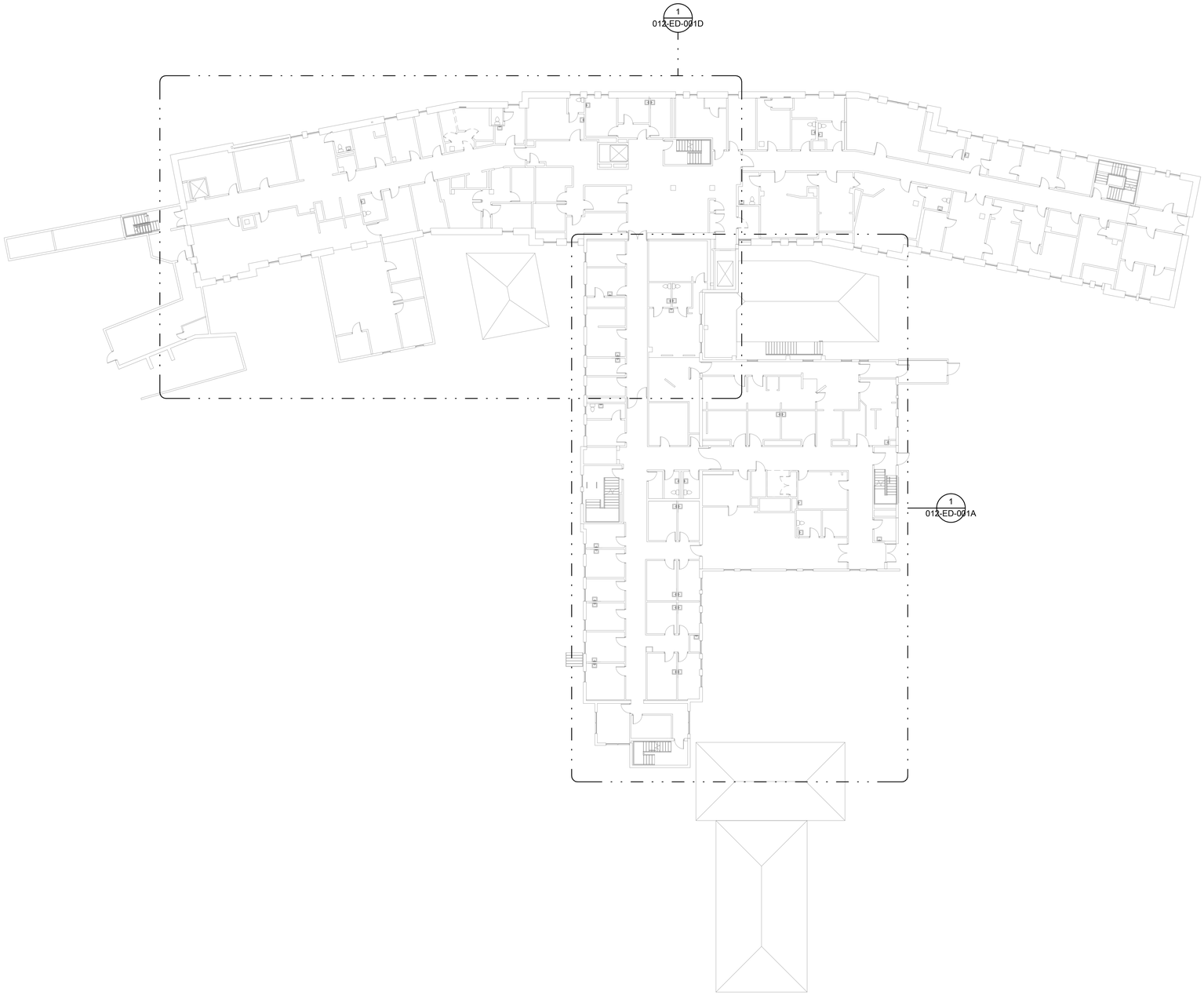
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

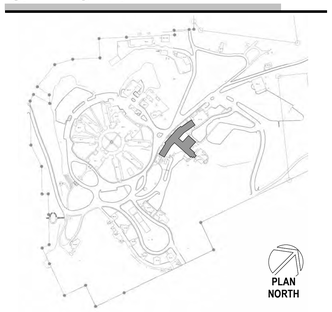
D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION LAYOUT - BLDG 12 GROUND FLOOR
1/16" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS - ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

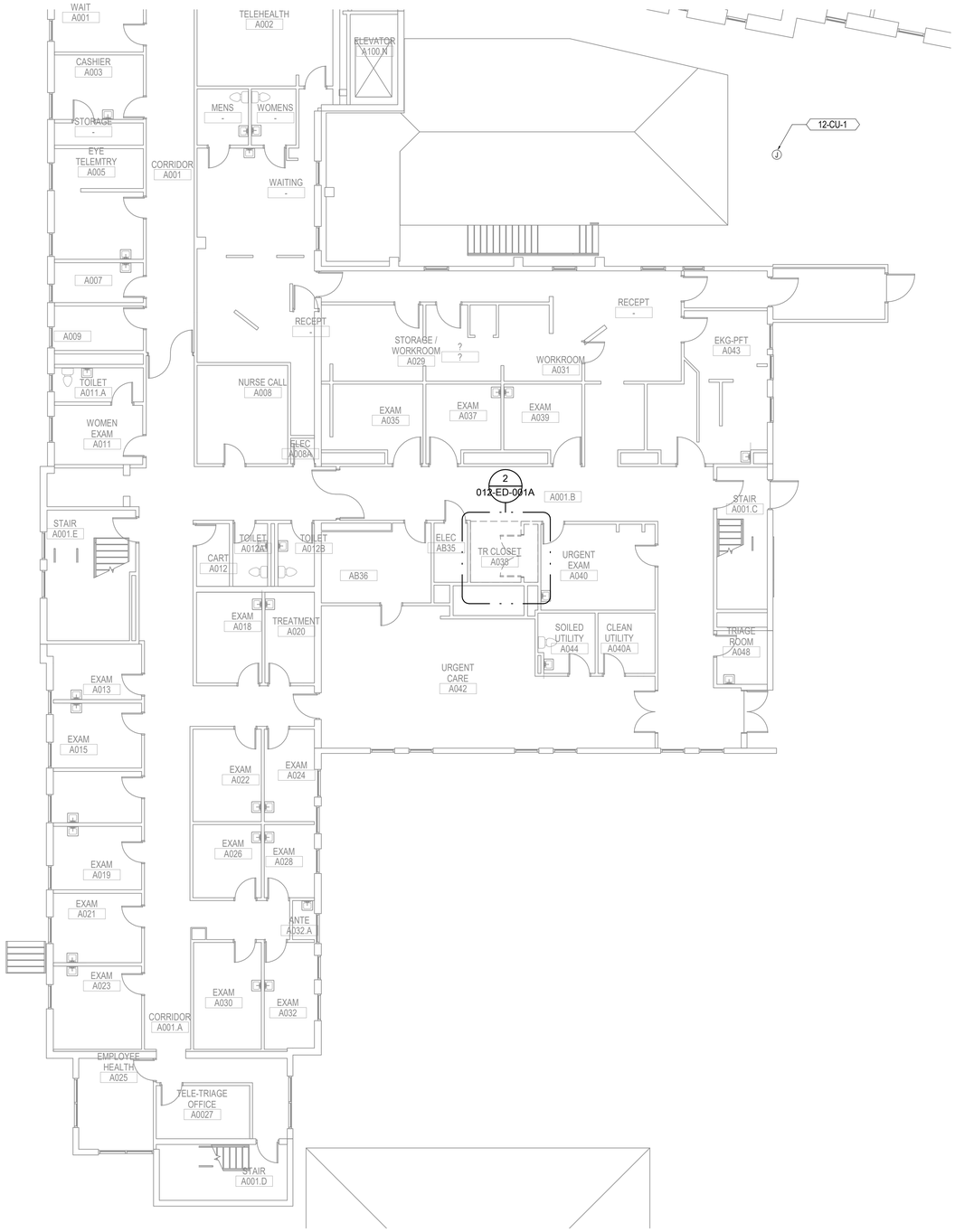
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION - BLDG 12 GROUND FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-ED-001

VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCAL\SM1121_ESERIES_BLDG 12_20_2.kopp2QETM.rvt

2/22/2022 8:48:27 PM



1 ELECTRICAL DEMOLITION PLAN - BLDG 12 GROUND FLOOR SECTOR A

1/8" = 1'-0"

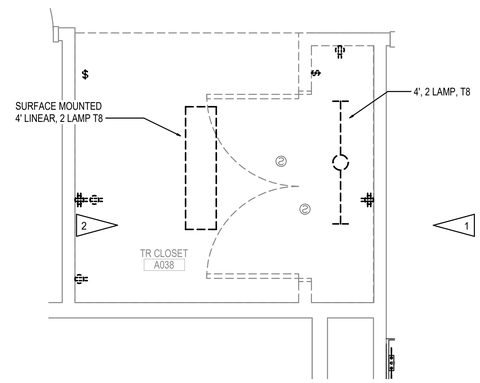
PLAN NORTH

GENERAL NOTES:

A. SEE SHEET 012-ED-001 FOR GENERAL NOTES.

SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.

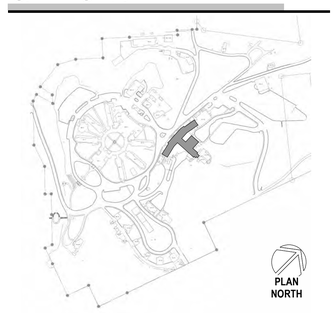


2 ENLARGED ROOM - A038 ELECTRICAL DEMOLITION

1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
2/22/22
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

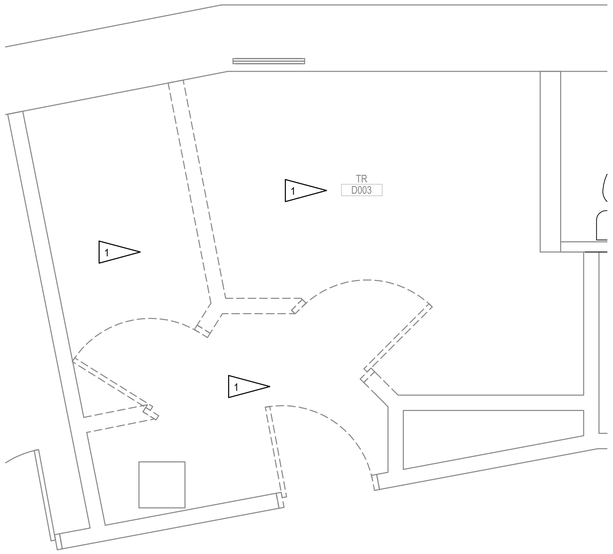
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMO - BLDG 12 GROUND A ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-ED-001A
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

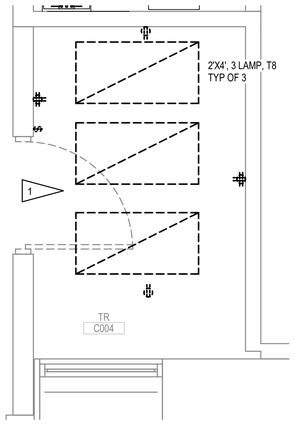
C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCAL\SM1121_ESERIES_BLDG 12_20_zkopp\QGETM.rvt

2/22/2022 8:48:28 PM



2 ENLARGED ROOM - D003.A ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH



3 ENLARGED ROOM - C004 ELECTRICAL DEMOLITION
1/2" = 1'-0"

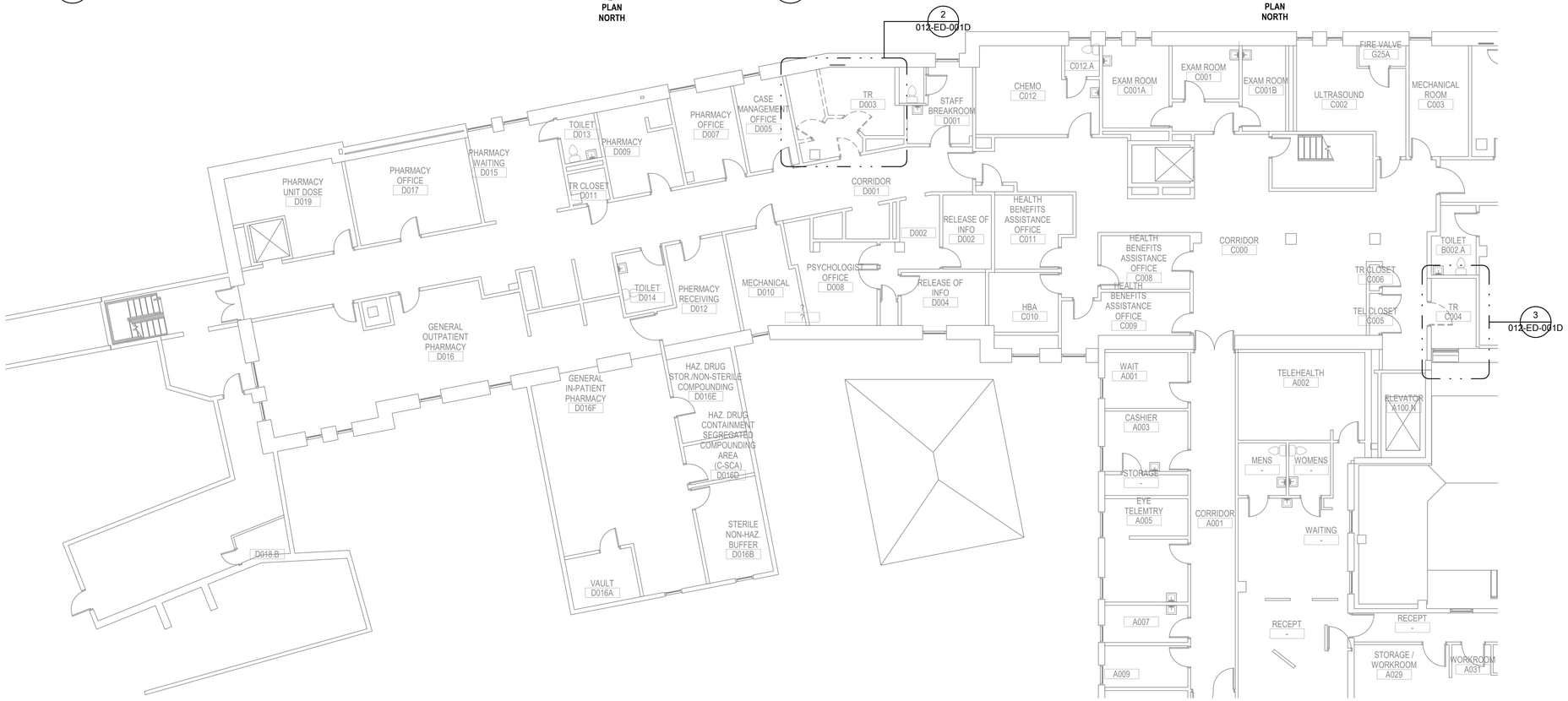
PLAN NORTH

GENERAL NOTES:

A. SEE SHEET 012-ED-001 FOR GENERAL NOTES.

SHEET NOTES: 1

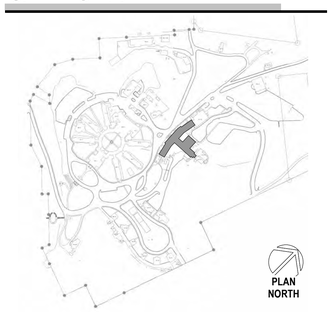
1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



1 ELECTRICAL DEMOLITION PLAN - BLDG 12 GROUND FLOOR SECTOR C AND D
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMO - BLDG 12 GROUND C/D ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-ED-001D

VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 12_20_2.kopp2QETM.rvt

2/22/2022 8:48:39 PM

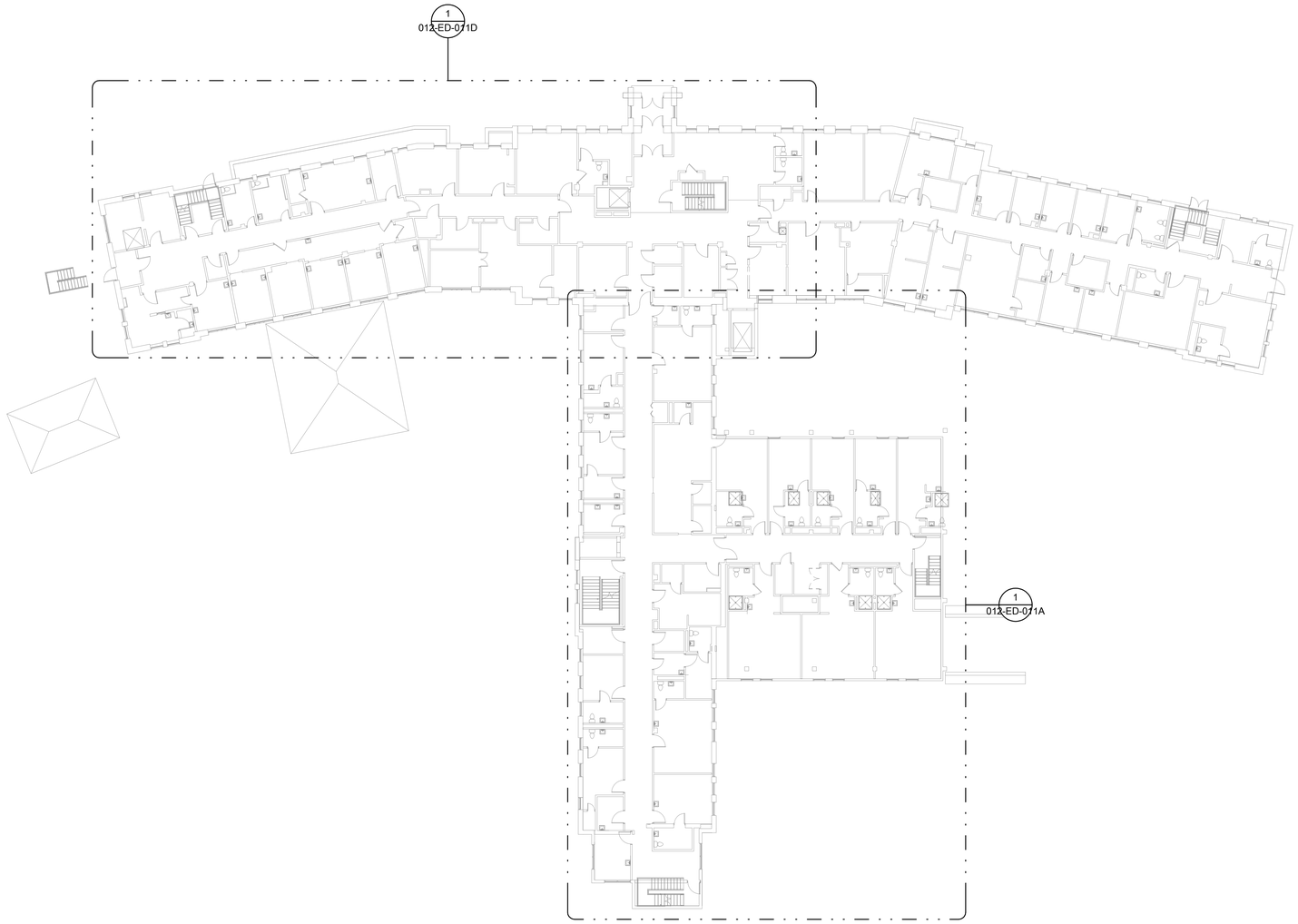
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

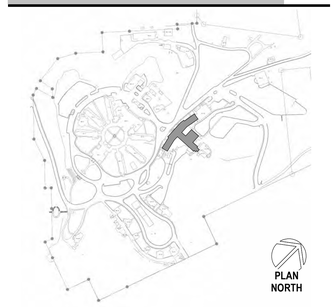
D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION LAYOUT - BLDG 12 FIRST FLOOR
1/16" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
7/4/2022
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 12 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-ED-011

VA FORM 08 - 6231

C:\Users\Caleb.Kopf\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 12_2D_ckopfQCETM.rvt

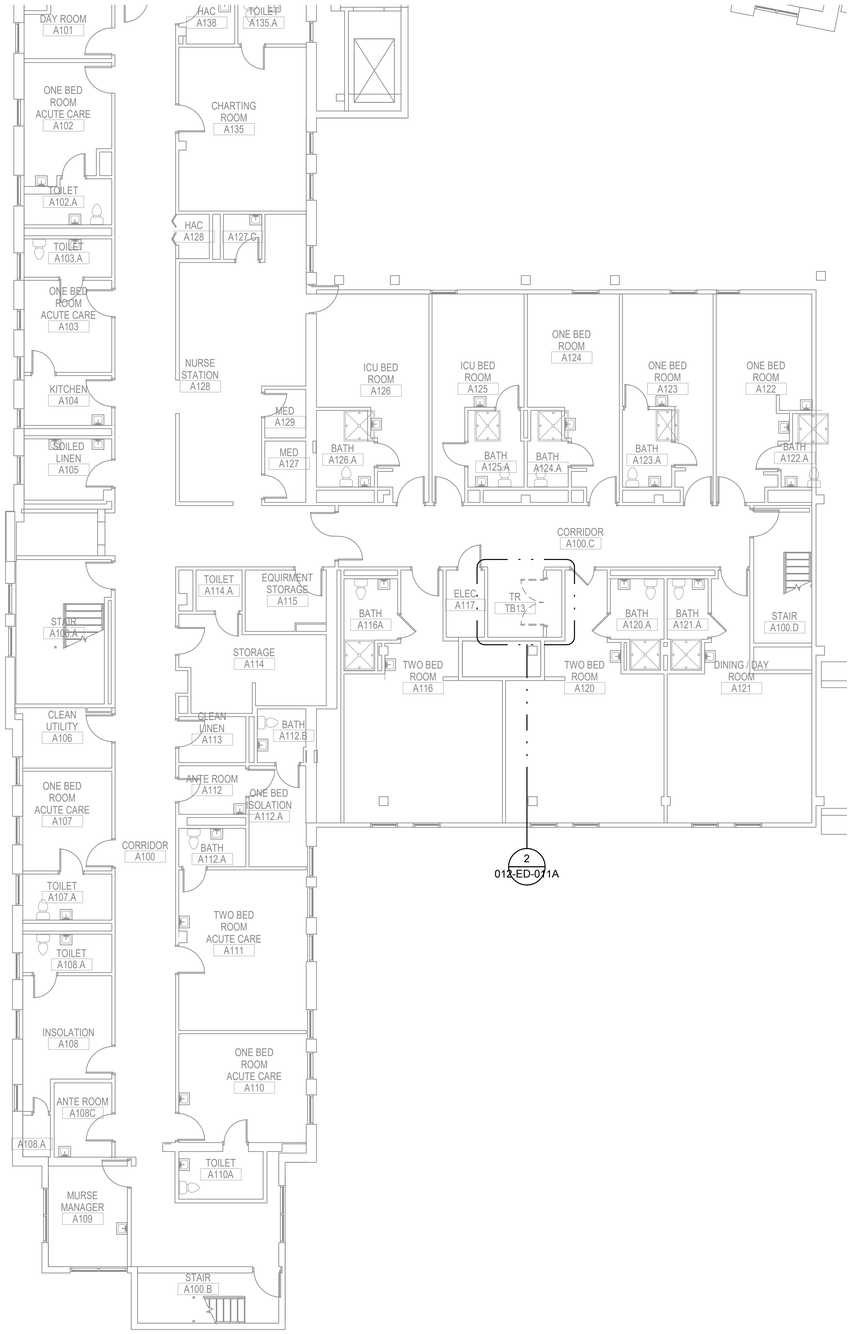
2/22/2022 6:48:32 PM

GENERAL NOTES:

A. SEE SHEET 012-ED-011 FOR GENERAL NOTES.

SHEET NOTES: 1

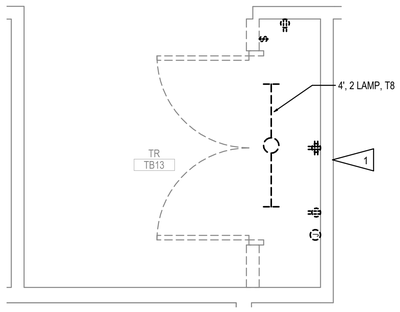
1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



1 ELECTRICAL DEMOLITION PLAN - BLDG 12 FIRST FLOOR SECTOR A

1/8" = 1'-0"

PLAN NORTH

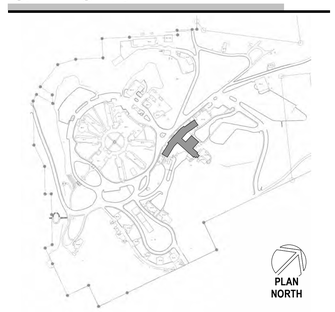


2 ENLARGED ROOM - A119 ELECTRICAL DEMOLITION

1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMO - BLDG 12 FIRST FLOOR A ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-ED-011A

VA FORM 08 - 6231

2/22/2022 8:48:34 PM

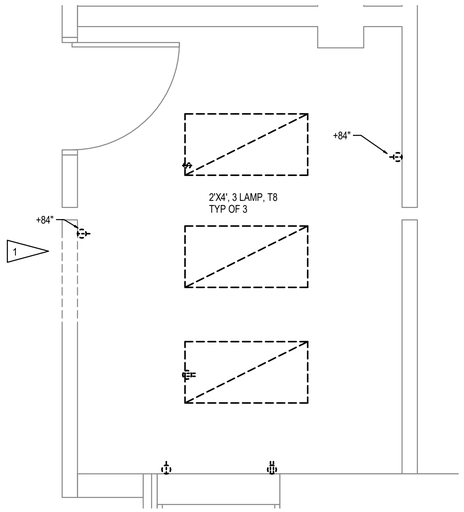
C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCAL\SM1121_ESERIES_BLDG 12_r20_kopp\CKETM.rvt

GENERAL NOTES:

A. SEE SHEET 012-ED-011 FOR GENERAL NOTES.

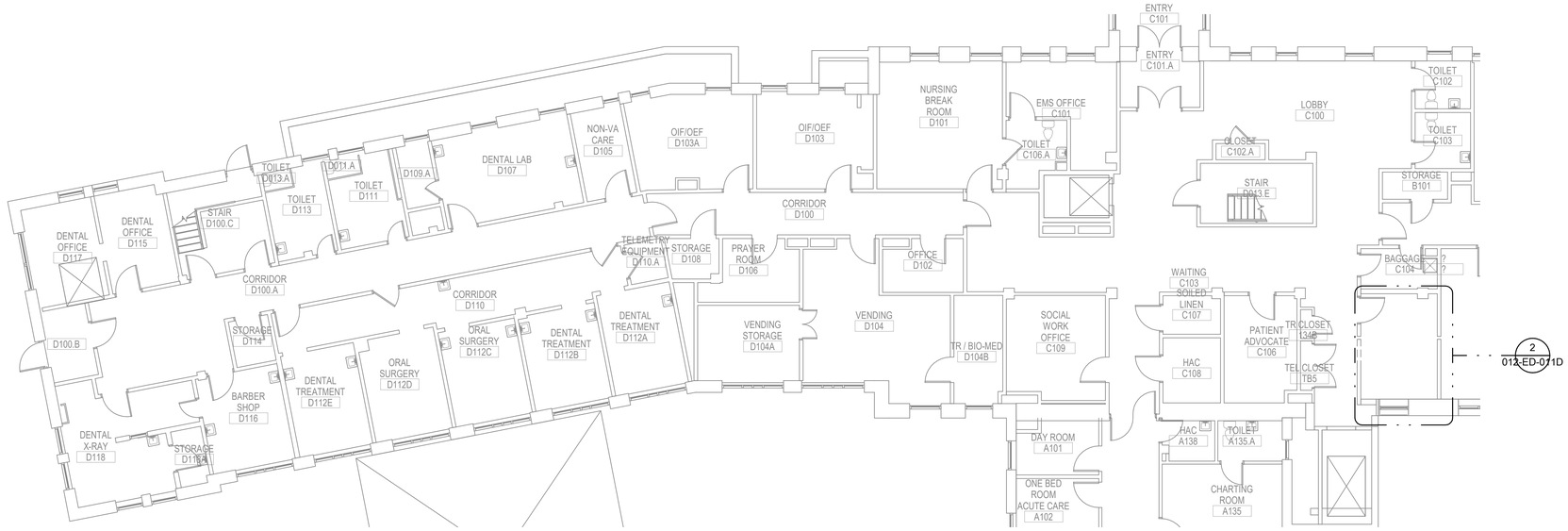
SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



2 ENLARGED ROOM - C105 ELECTRICAL DEMOLITION
1/2" = 1'-0"

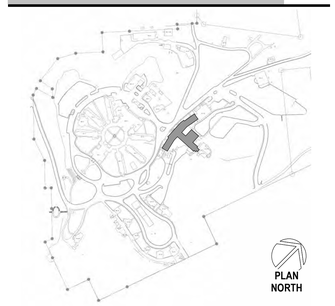
PLAN NORTH



1 ELECTRICAL DEMOLITION PLAN - BLDG 12 FIRST FLOOR SECTOR C AND D
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMO - BLDG 12 FIRST FLOOR C/D ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-ED-011D

VA FORM 08 - 6231

2/22/2022 6:48:35 PM

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 12_r20_Kopp\CSETM.rvt

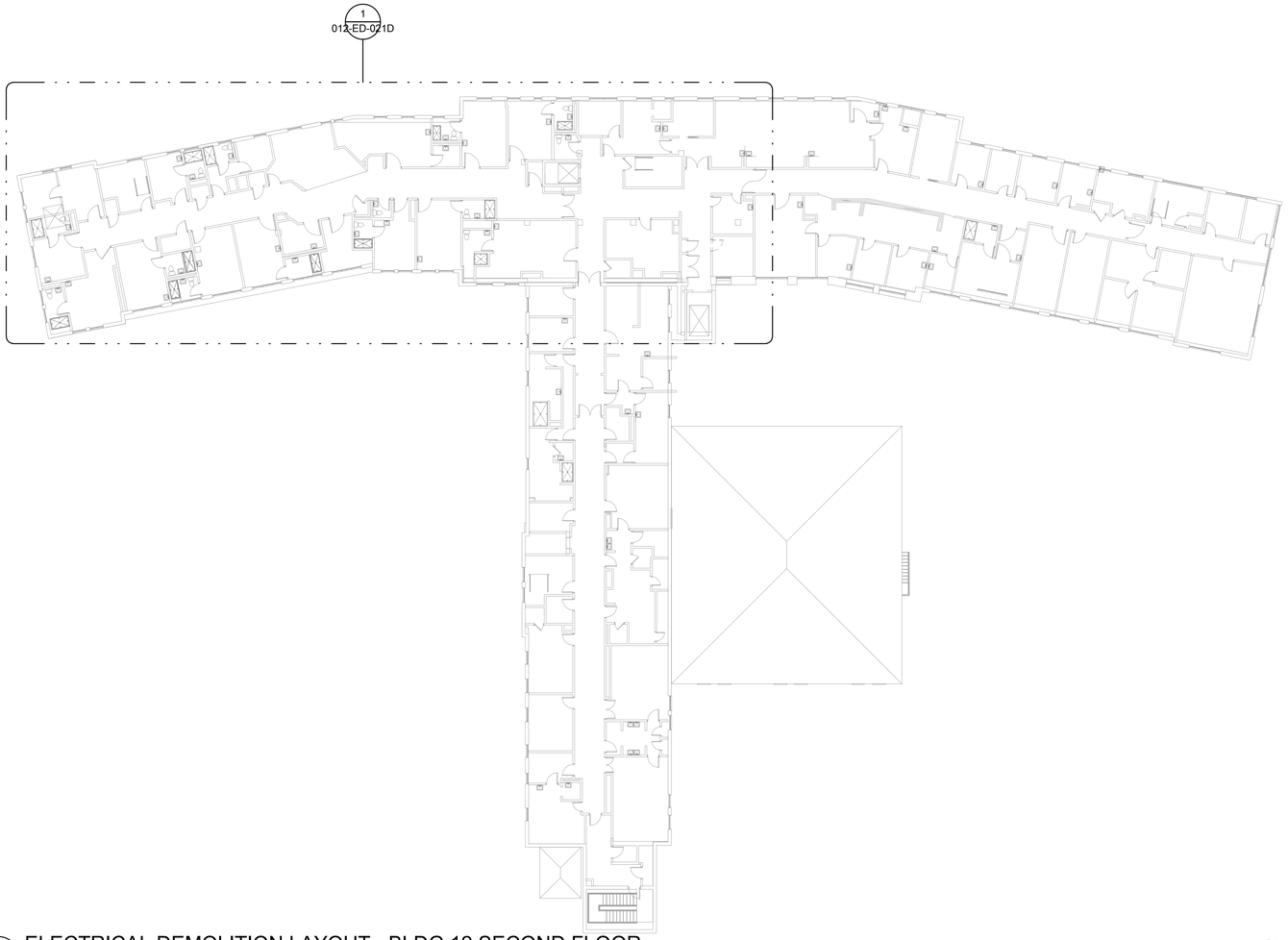
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

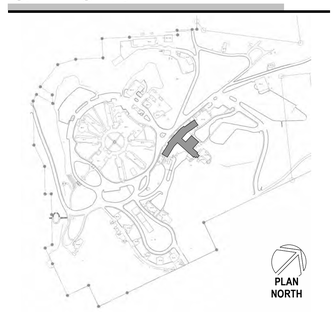
D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION LAYOUT - BLDG 12 SECOND FLOOR
1/16" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 12 SECOND FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-ED-021

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCAL\SM1121_ESERIES_BLDG 12_(20_)eappCGETM.rvt

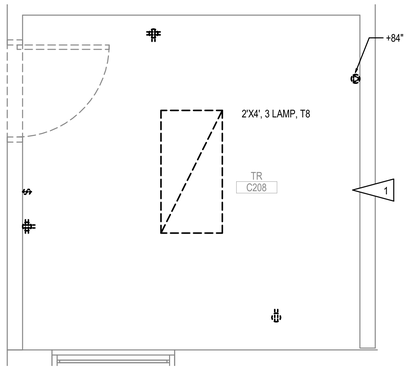
2/22/2022 9:48:37 PM

GENERAL NOTES:

A. SEE SHEET 012-ED-021 FOR GENERAL NOTES.

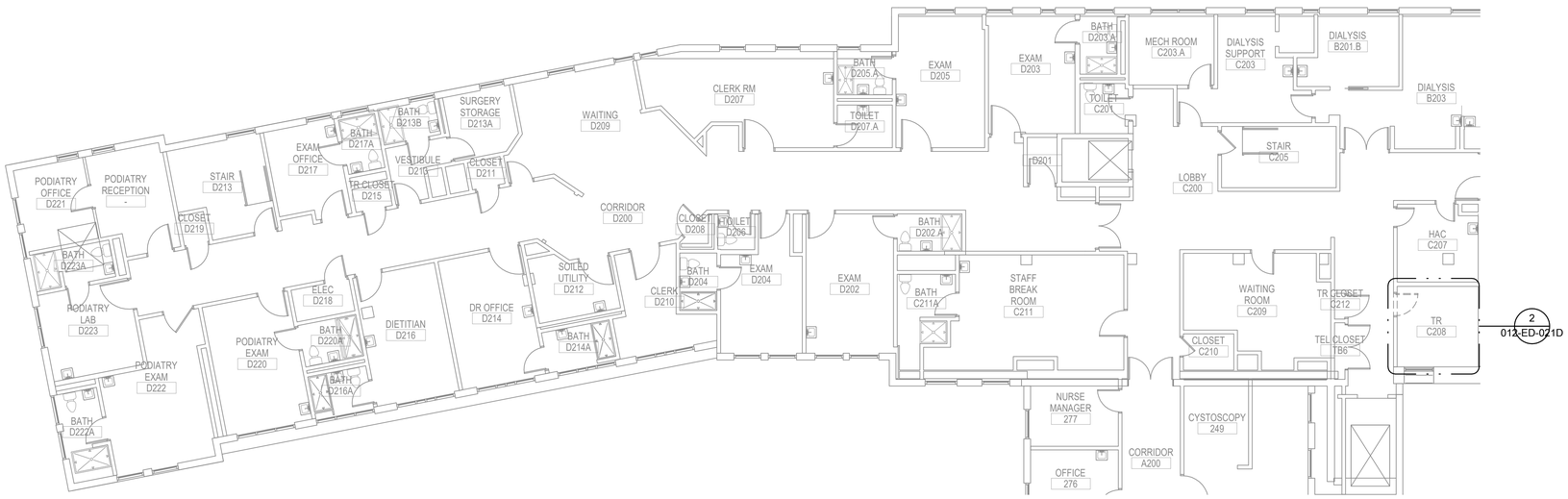
SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



2 ENLARGED ROOM - C208 ELECTRICAL DEMOLITION
1/2" = 1'-0"

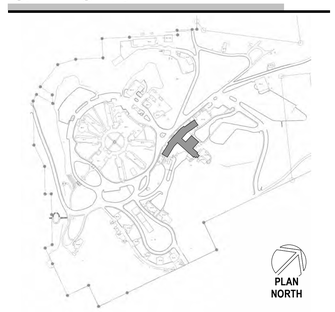
PLAN NORTH



1 ELECTRICAL DEMOLITION PLAN - BLDG 12 SECOND FLOOR SECTOR C AND D
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMO - BLDG 12 SECOND FLOOR C/D ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-ED-021D
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCAL\S4R121_ESERIES_BLDG 12_r20_caleb.kopp@GETM.rvt

2/22/2022 9:48:39 PM

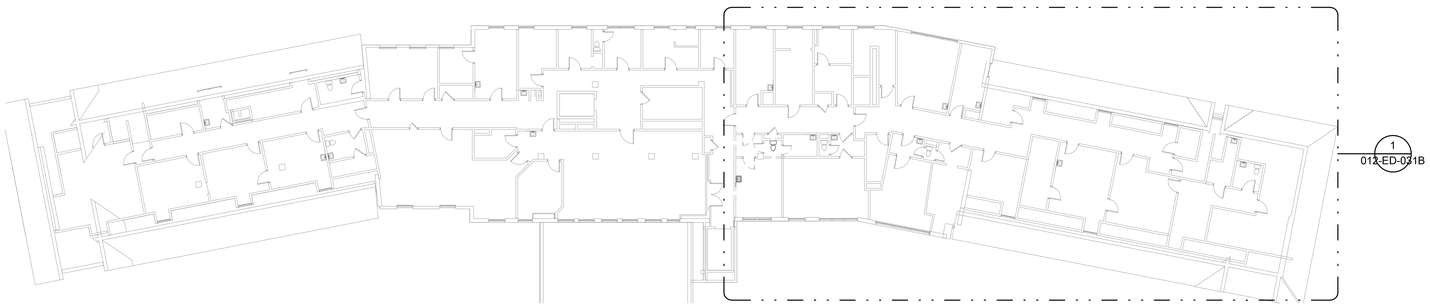
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

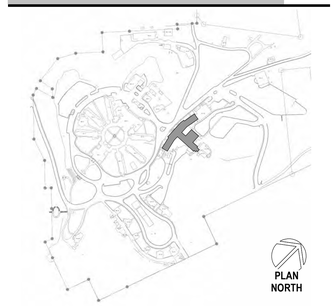
D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION LAYOUT - BLDG 12 THIRD FLOOR
1/16" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

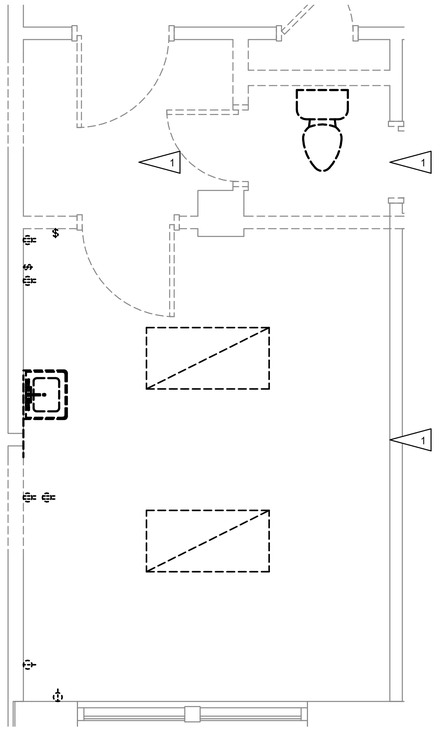
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 12 THIRD FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-ED-031
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCAL\SM1121_ESERIES_BLDG 12_r20_Kopp\CSETM.rvt

2/22/2022 6:44:40 PM



2 ENLARGED ROOM - B302 ELECTRICAL DEMOLITION
1/2" = 1'-0"

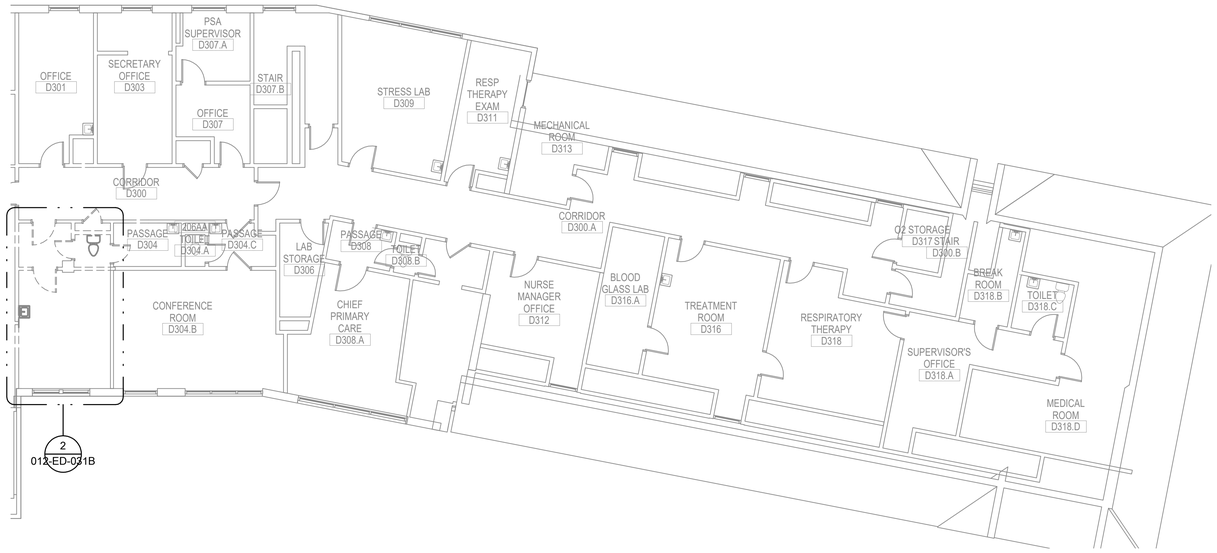
PLAN NORTH

GENERAL NOTES:

A. SEE SHEET 012-ED-031 FOR GENERAL NOTES.

SHEET NOTES: 1

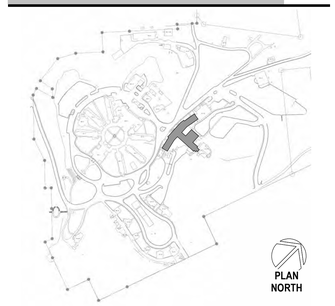
1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



1 ELECTRICAL DEMOLITION PLAN - BLDG 12 THIRD FLOOR SECTOR B
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AEOC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMO PLAN - BLDG 12 THIRD FLOOR ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-ED-031B
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 12_r20_kopp\CSETM.rvt

2/22/2022 6:48:41 PM

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

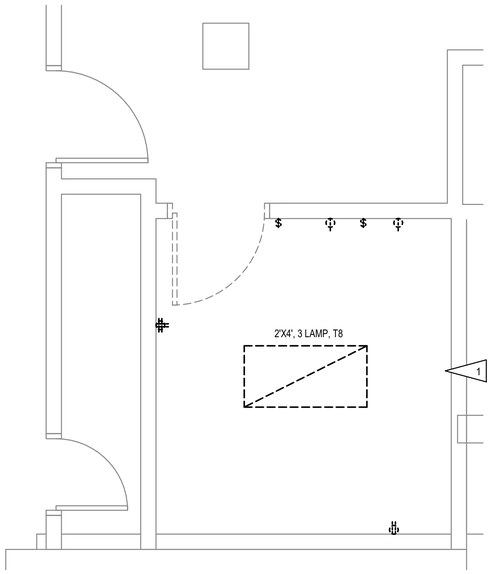
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

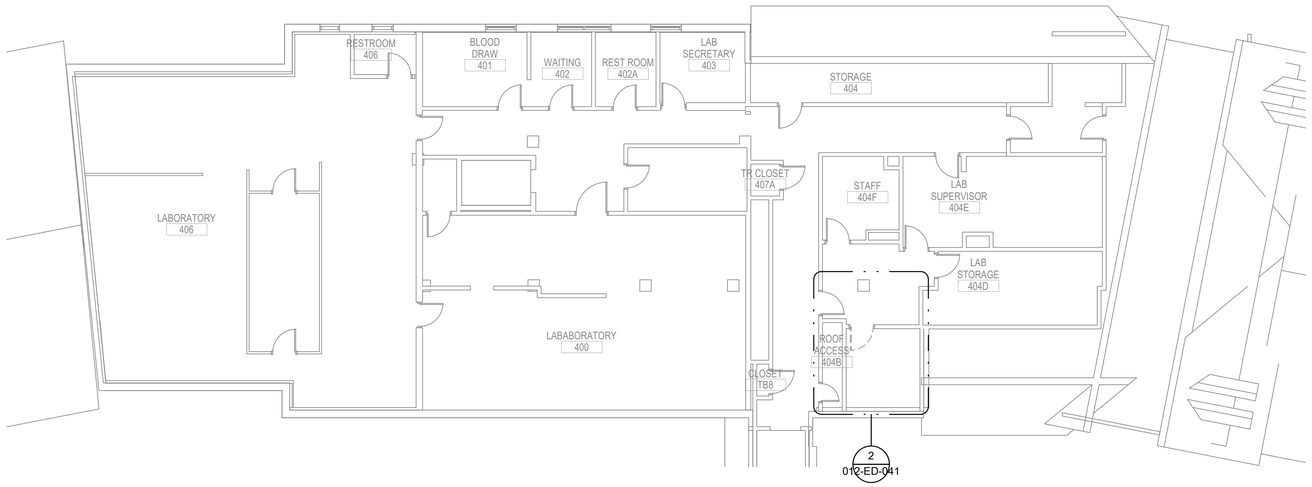
D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



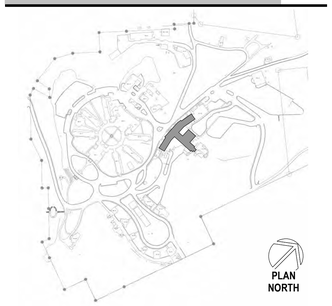
2 ENLARGED ROOM - 404C ELECTRICAL DEMOLITION
1/2" = 1'-0"



1 ELECTRICAL DEMOLITION PLAN - BLDG 12 FOURTH FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 49th JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMO PLAN - BLDG 12 FOURTH FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-ED-041

VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCAL\SM1121_ESERIES_BLDG 12_r20_kopp\CKETM.rvt

2/22/2022 6:48:42 PM

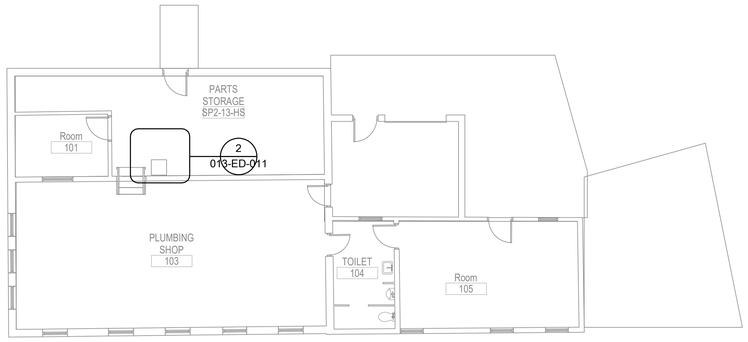
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

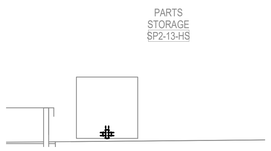
C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION PLAN - BLDG 13 FIRST FLOOR
1/8" = 1'-0"

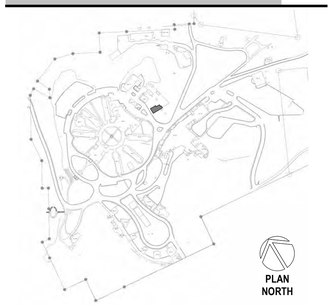
PLAN NORTH



2 ENLARGED ROOM - 102 ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 13 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 13
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 013-ED-011

VA FORM 08 - 6231

2/22/2022 6:58:46 PM

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 13_r20_kopp3GETM.rvt

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

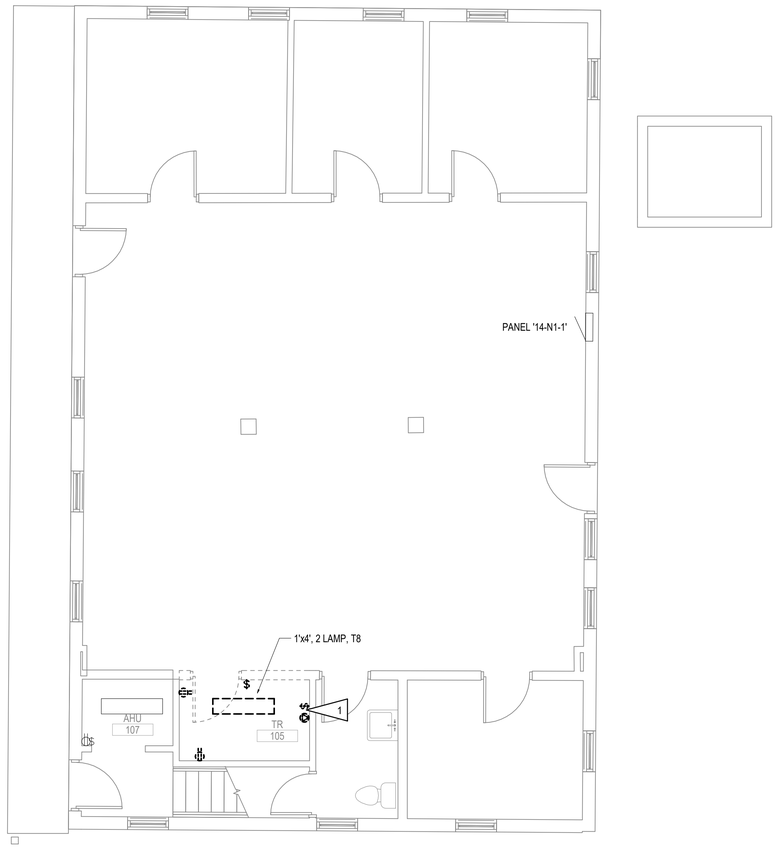
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

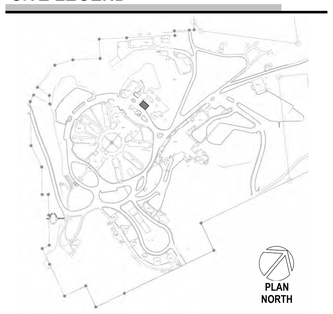
1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



1 ELECTRICAL DEMOLITION PLAN - BLDG 14 FIRST FLOOR
1/4" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 14	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 14
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 014-ED-0G1

C:\Users\Lilly.Aragon\Documents\R20Locals\M1121_ESERIES_BLDG 14_r20_laragonRT693.rvt

2/22/2022 5:23:01 PM

VA FORM 08 - 6231

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

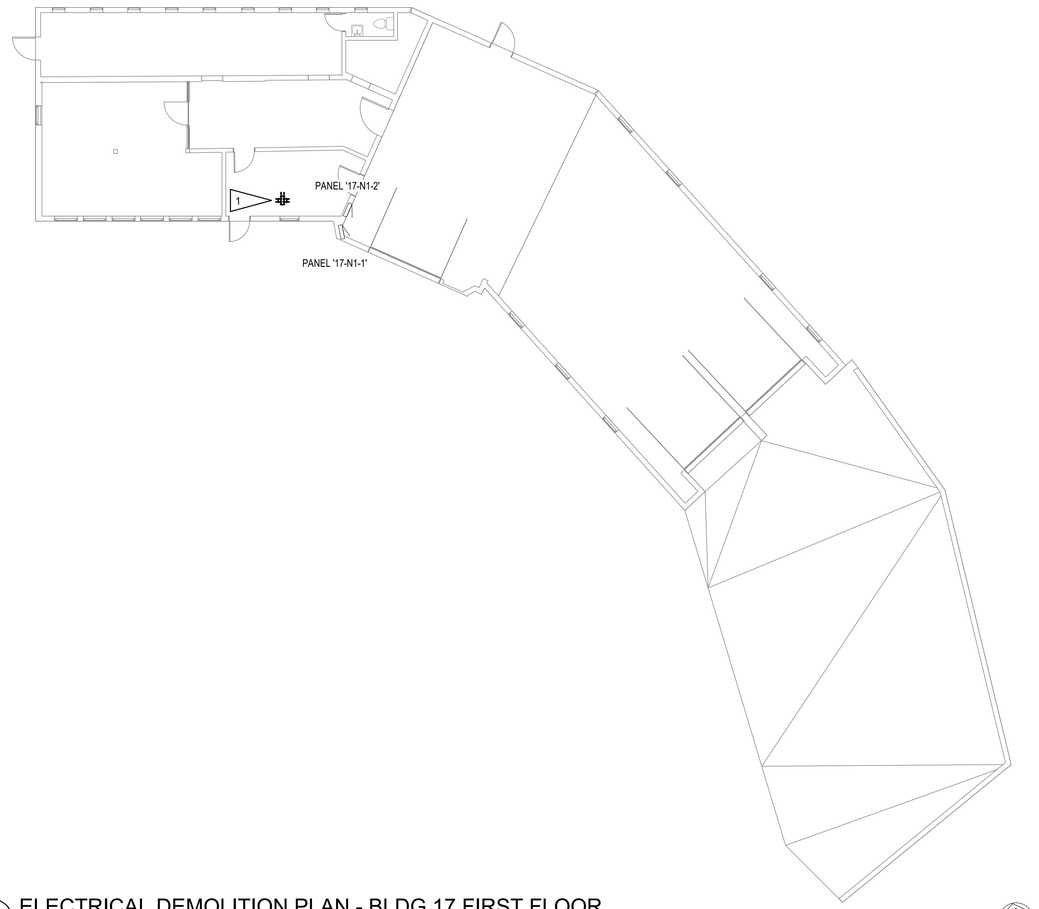
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

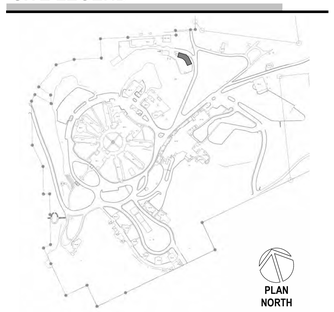
1. DEMOLISH TELECOM CABNET RECEPTACLE IN BASEMENT BELOW. DEMOLISH RECEPTACLE CIRCUIT TO UPSTREAM JUNCTION BOX.



1 ELECTRICAL DEMOLITION PLAN - BLDG 17 FIRST FLOOR
1/8" = 1'-0"

NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS - ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
49th
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 17 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 17
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 017-ED-011

VA FORM 08 - 6231

C:\Users\Lilly.Aragon\Documents\R20\Local\M1121_ESERIES_BLDG 17_20_lanagon9T6693.rvt

2/22/2022 5:29:19 PM

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

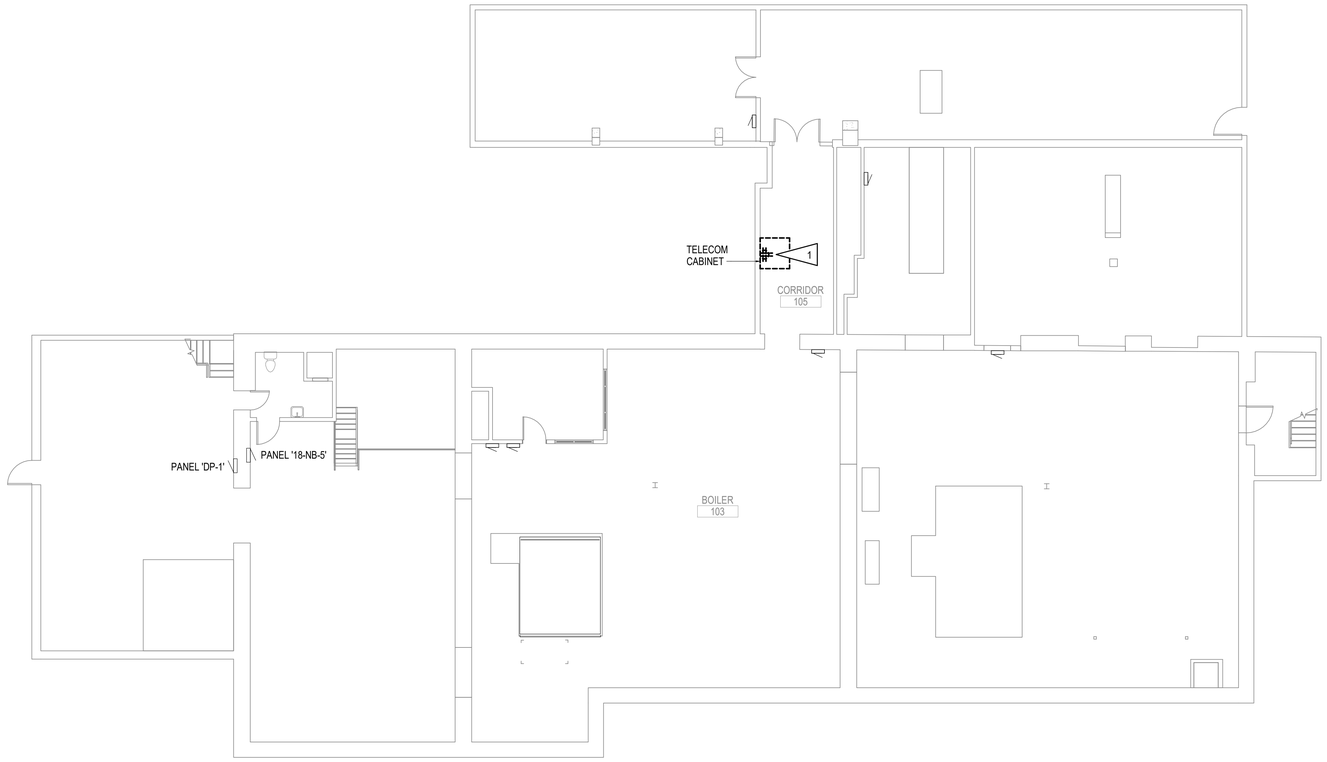
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

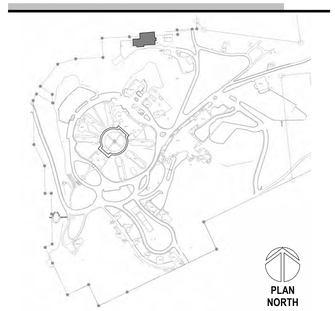
1. DEMOLISH TELECOM CABNET RECEPTACLE AND RECEPTACLE CIRCUIT TO UPSTREAM JUNCTION BOX.



1 ELECTRICAL DEMOLITION PLAN - BLDG 18 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIEJ
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 18	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 18
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 018-ED-011

VA FORM 08 - 6231

2/22/2022 5:25:57 PM

C:\Users\jlly.Aegon\Documents\R20\Local\M1121_ESERIES_BLDG 18_r20_Jaegon\018693.rvt

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

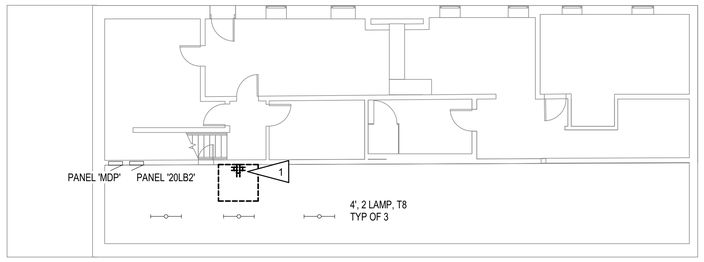
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

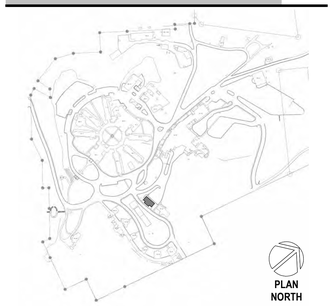
1. DEMOLISH TELECOM CABNET RECEPTACLE AND RECEPTACLE CIRCUIT TO UPSTREAM JUNCTION BOX.



1 ELECTRICAL DEMOLITION PLAN - BLDG 20 BASEMENT
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA 49th JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 20	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 20
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 020-ED-011

VA FORM 08 - 6231

2/22/2022 5:32:21 PM

C:\Users\Lilly.Aragon\Documents\R20Locals\M1121_ESERIES_BLDG 20_20_lamgen9T693.rvt

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

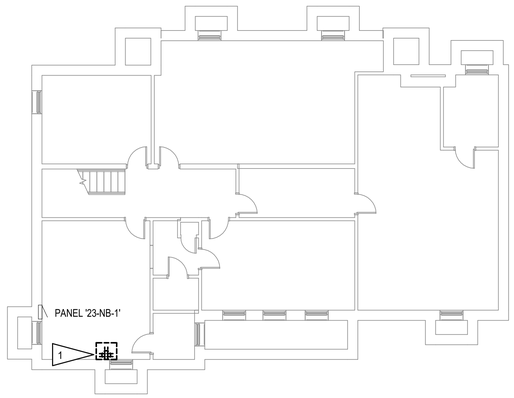
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

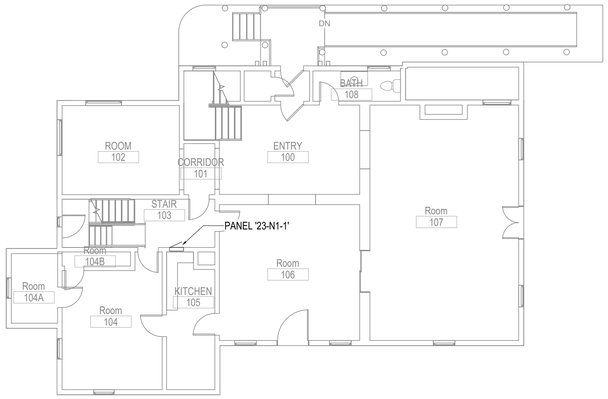
SHEET NOTES: 1

1. DEMOLISH TELECOM CABNET RECEPTACLE AND CIRCUIT TO UPSTREAM JUNCTION BOX.



1 ELECTRICAL DEMOLITION PLAN - BLDG 23 BASEMENT
1/8" = 1'-0"

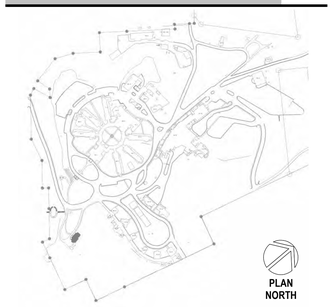
PLAN NORTH



2 ELECTRICAL DEMOLITION PLAN - BLDG 23 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 23	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 23
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 023-ED-0B1
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CK	

VA FORM 08 - 6231

2/22/2022 5:34:48 PM

C:\Users\Lilly.Aragon\Documents\R20\Local\M121_ESERIES_BLDG 23_20_lanagon\ff7693.rvt

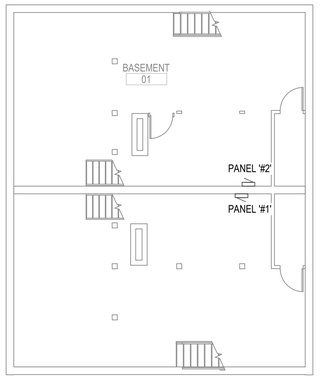
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

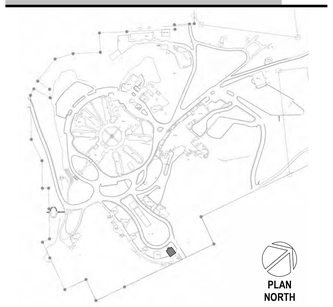
D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.



1 ELECTRICAL DEMOLITION PLAN - BLDG 29 BASEMENT
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GODDIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
49th
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 29	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 29
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 029-ED-0B1

VA FORM 08 - 6231

2/22/2022 5:37:46 PM

C:\Users\Lilly.Aragon\Documents\R20Locals\M1121_ESERIES_BLDG 29_r20_laragon9T693.rvt

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

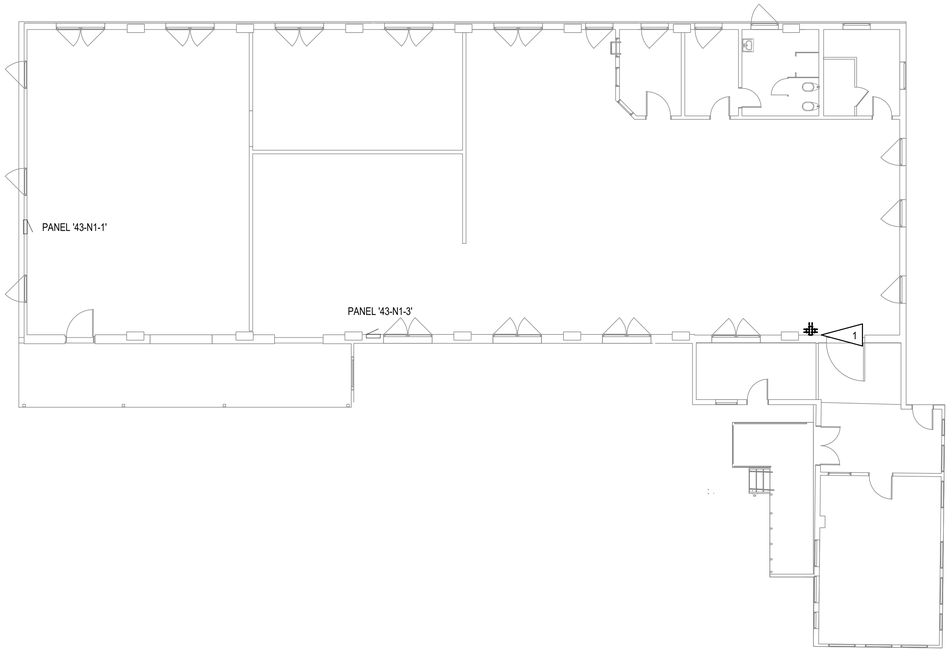
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

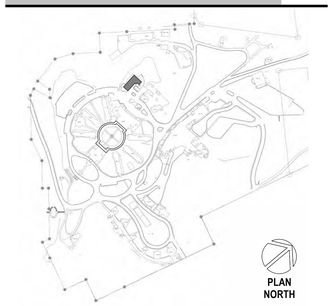
1. DEMOLISH TELECOM CABNET RECEPTACLE IN BASEMENT BELOW. DEMOLISH RECEPTACLE CIRCUIT TO UPSTREAM JUNCTION BOX.



1 ELECTRICAL DEMOLITION PLAN - BLDG 43 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIEJ
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

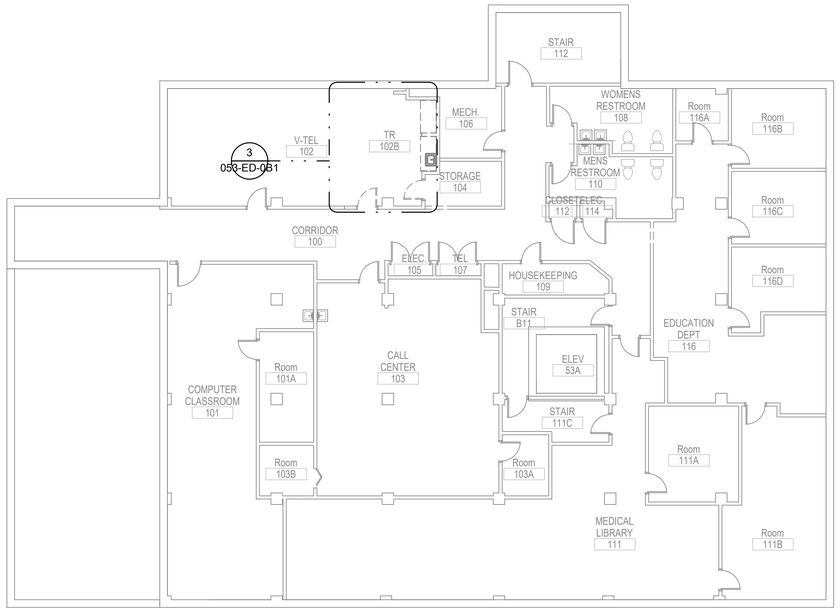
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 43	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 43
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 043-ED-011

VA FORM 08 - 6231

C:\Users\Jly.Aragon\Documents\R20\cocal\M121_ESERIES_BLDG 43_r20_lanpon9T693.rvt

2/22/2022 5:39:56 PM



2 ELECTRICAL DEMOLITION PLAN - BLDG 53 FIRST FLOOR

1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

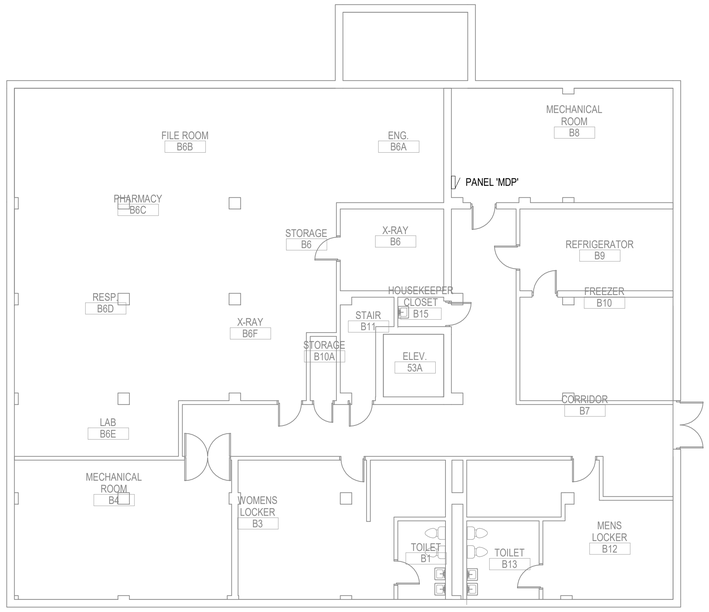
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

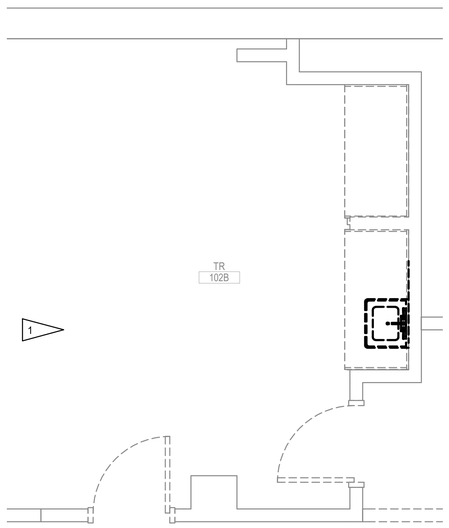
1. DEMOLISH SWITCHES, LIGHTING, AND RECEPTACLES IN ROOM. DEMOLISH CIRCUITS TO UPSTREAM JUNCTION BOX TO ALLOW FOR NEW CIRCUITING.



1 ELECTRICAL DEMOLITION PLAN - BLDG 53 BASEMENT

1/8" = 1'-0"

PLAN NORTH

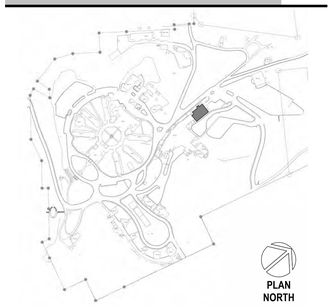


3 ENLARGED ROOM - 102B ELECTRICAL DEMOLITION

1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GODDIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
02/22/22
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

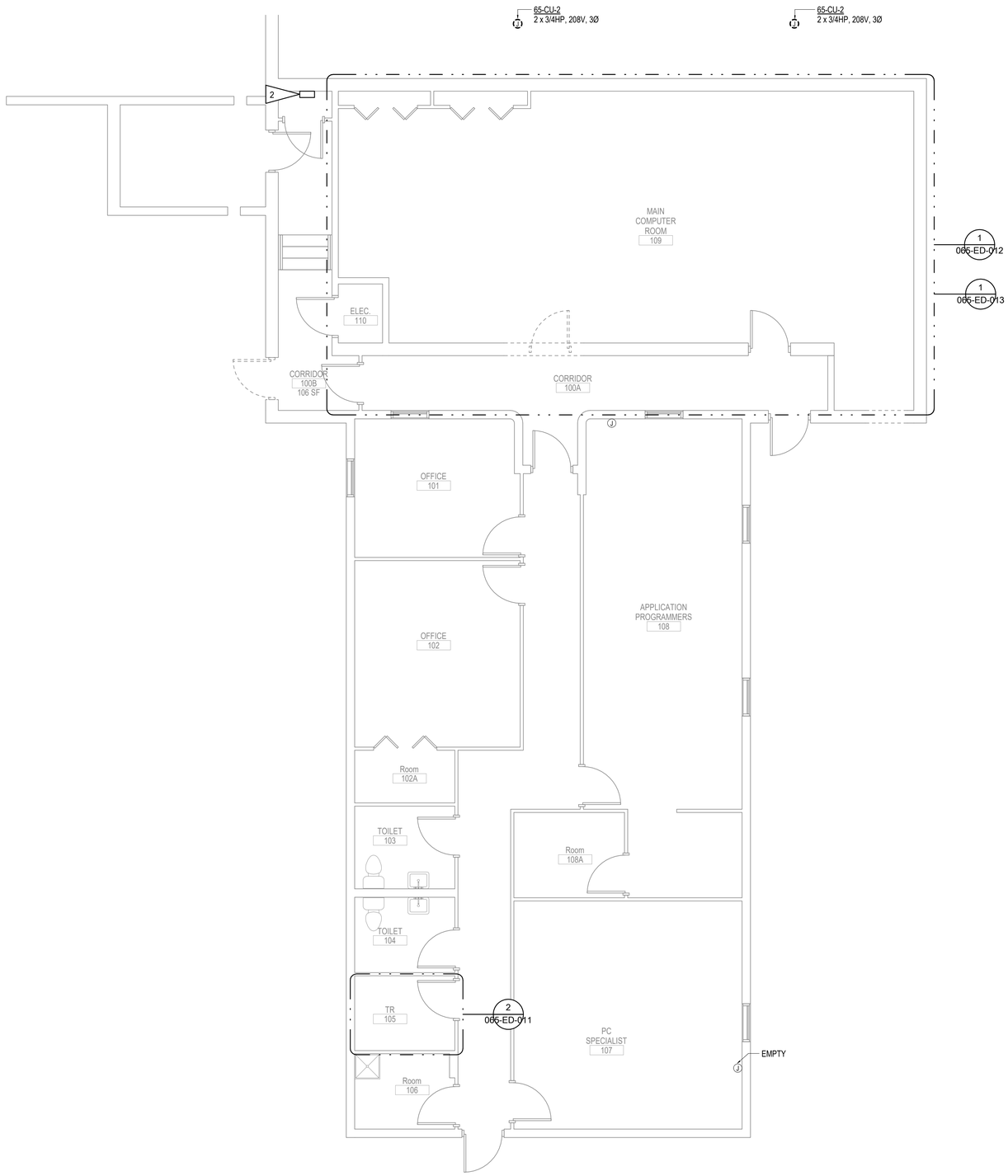
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 53	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 53
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CK	DRAWING NUMBER: 053-ED-0B1

VA FORM 08 - 6231

C:\Users\Jly.Angeni\Documents\R20\Locals\M121_ESERIES_BLDG 53_r20_langeni91093.rvt

2/22/2022 5:43:26 PM



1 ELECTRICAL DEMOLITION PLAN - BLDG 65
1/4" = 1'-0"

PLAN NORTH

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

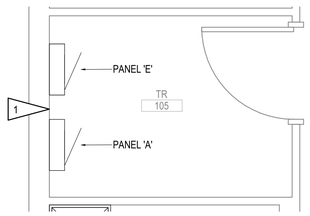
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. LIGHTING AND RECEPTACLES SHALL REMAIN IN EXISTING TELECOM ROOMS. NO DEMOLITION UNLESS OTHERWISE NOTED.

SHEET NOTES: 1

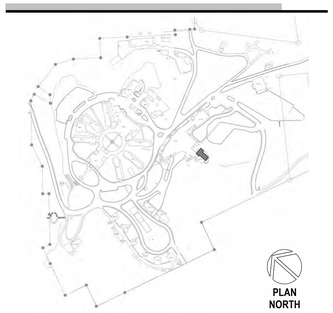
1. EXISTING TELECOM SPACE. NO DEMOLITION UNLESS OTHERWISE NOTED.
2. RELOCATE EXISTING FIRE ALARM CONTROL PANEL TO NEW GAS ROOM.



2 ENLARGED ROOM - 105 ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA 49th JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL DEMOLITION PLAN - BLDG 65	PHASE: 100% CD	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 65
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 065-ED-011
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	

VA FORM 08 - 6231

2/22/2022 5:45:48 PM

C:\Users\Lily.Aragon\Documents\R20Locals\M1121_ESERIES_BLDG 65_r20_laragon9TT693.rvt

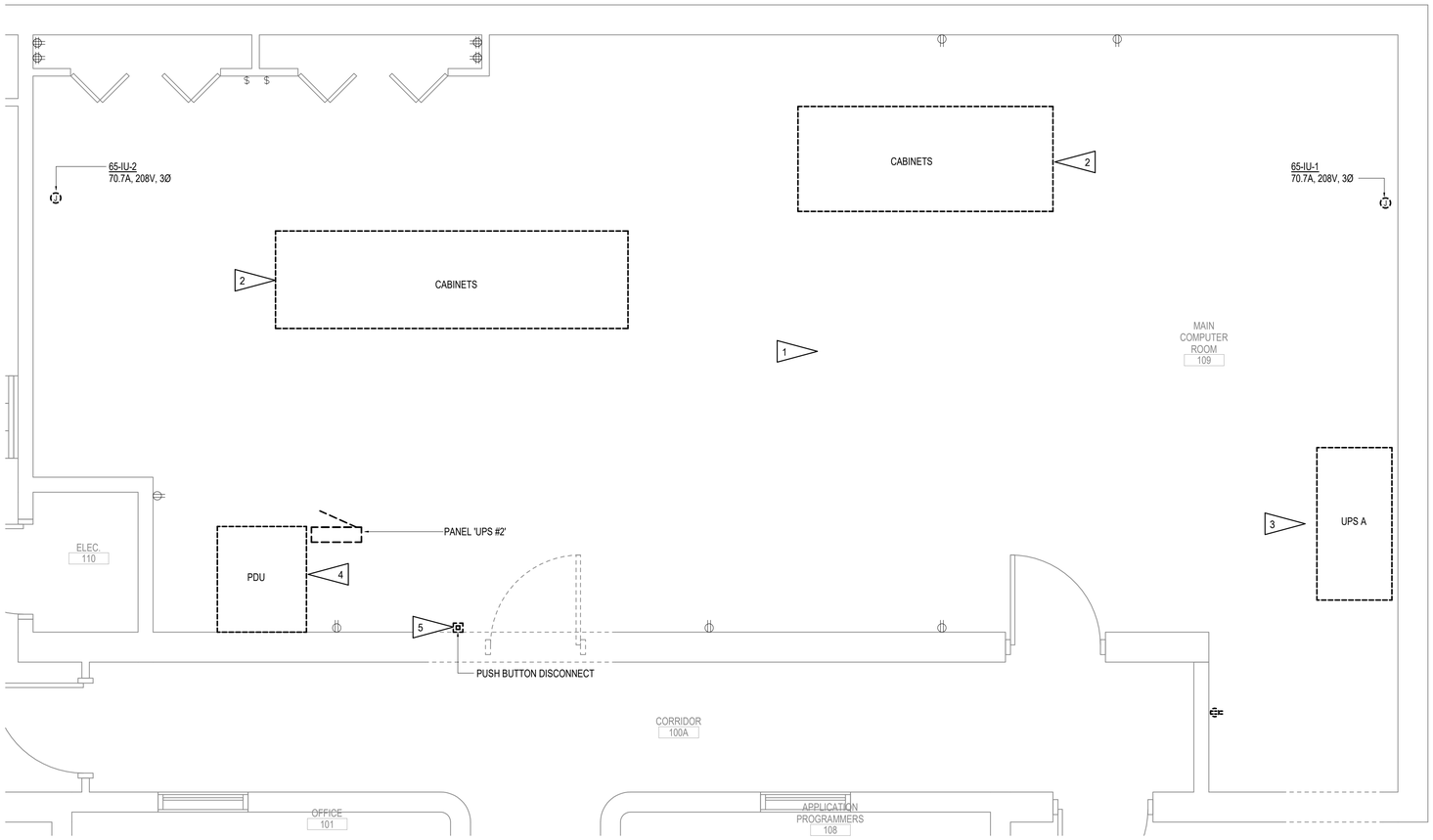
GENERAL NOTES:

A. SEE SHEET 065-ED-011 FOR GENERAL NOTES.

B. RECEPTACLES SHALL REMAIN IN USE.

SHEET NOTES: 1

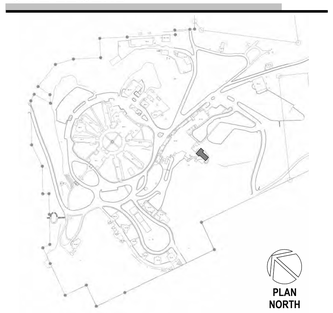
1. DEMOLITION, INCLUDING PHASING, SHALL BE COORDINATED TO MINIMIZE DISRUPTION AND DOWNTIME TO MCR.
2. POWER TO CABINETS WILL BE PULLED BACK AND RE-FED VIA ZONE PDU'S.
3. UPS TO BE DEMOLISHED AFTER SECOND UPS IS ACTIVE.
4. DEMOLISH PDU AND PULL FEEDER AND CIRCUITS TO SOURCE AFTER SECOND UPS IS ACTIVE.
5. SALVAGE PUSH BUTTON DISCONNECT FOR REINSTALLATION AT NEW LOCATION.



1 ENLARGED ROOM - 109 ELECTRICAL DEMOLITION
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS - ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ENLARGED ELECTRICAL DEMOLITION PLAN - ROOM 109	PHASE: 100% CD	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 65
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 065-ED-012
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	

VA FORM 08 - 6231

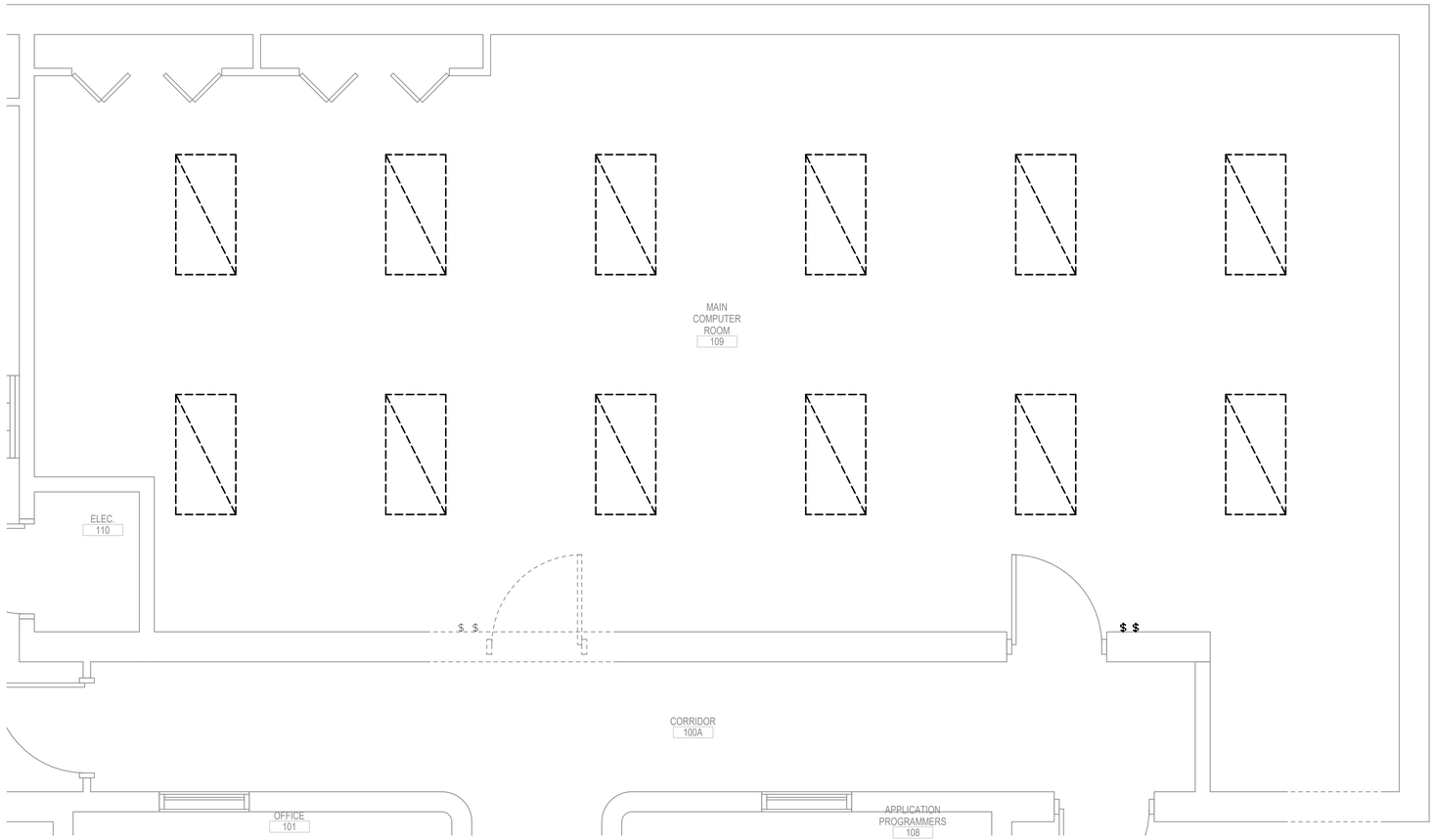
C:\Users\Lilly.Aragon\Documents\R20\Local\M1121_ESERIES_BLDG 65_r20_laragon9T693.rvt

2/22/2022 5:45:49 PM

GENERAL NOTES:

A. SEE SHEET 065-ED-011 FOR GENERAL NOTES.

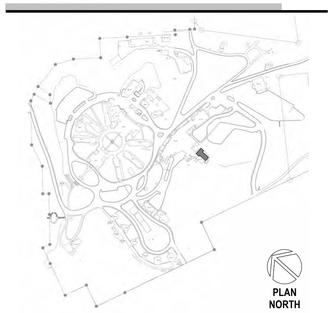
B. CIRCUITING AND SWITCHING SHALL REMAIN FOR USE WITH NEW LIGHTING.



1 ENLARGED ROOM - 109 LIGHTING DEMOLITION
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ENLARGED LIGHTING DEMOLITION PLAN - ROOM 109	PHASE: 100% CD	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 65
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	DRAWING NUMBER: 065-ED-013

VA FORM 08 - 6231

2/22/2022 9:45:50 PM

C:\Users\Lilly.Aragon\Documents\R20Locals\M1121_ESERIES_BLDG 65_r20_laragonRT693.rvt

FEEDER SCHEDULE

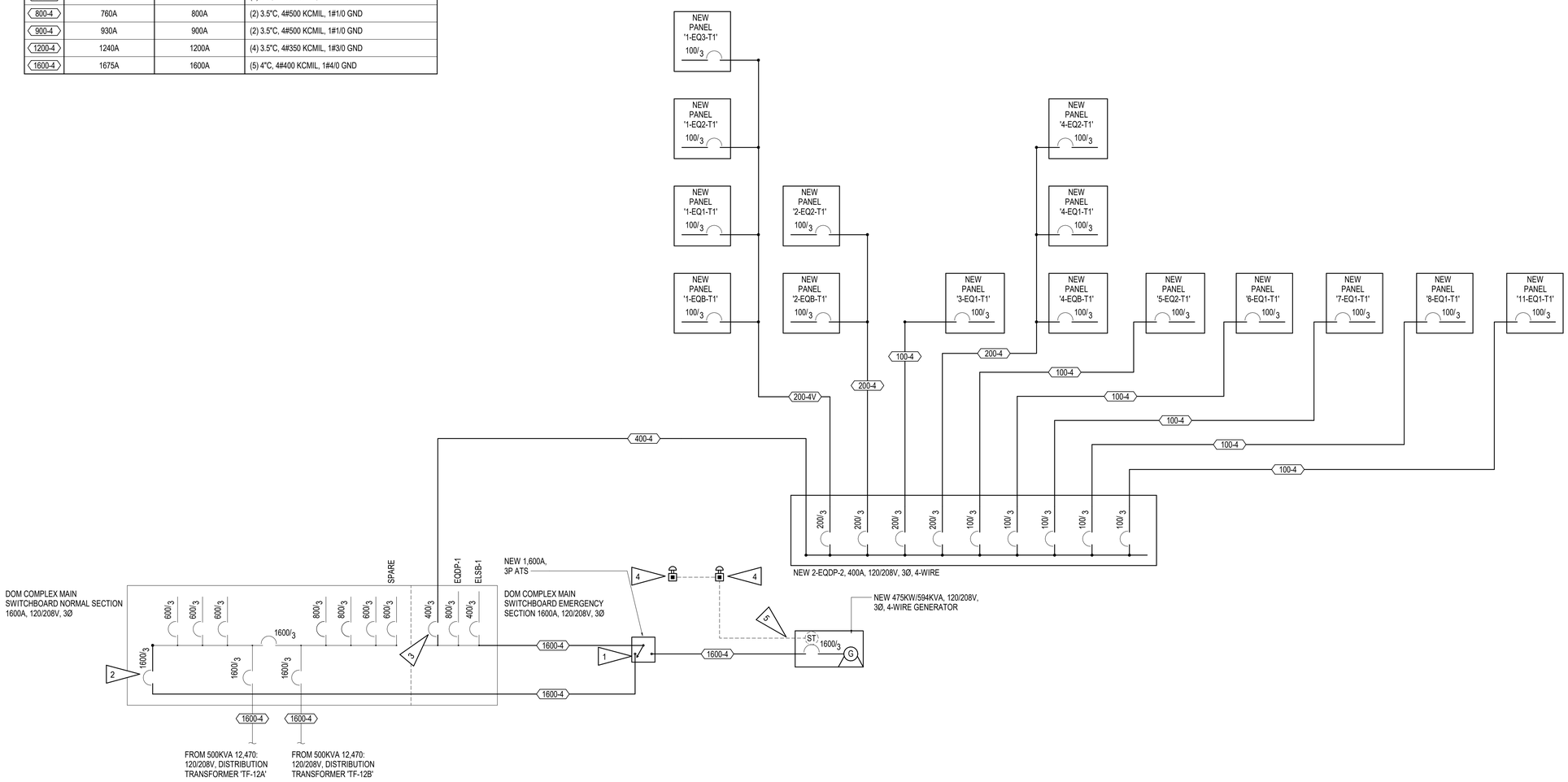
TAG	CONDUCTOR AMPS	BREAKER SIZE	3 PHASE COPPER CONDUCTORS, NEUTRAL AND GROUND (TAG #100-4, FOR EXAMPLE)
30-4N	30A	30A	3/4"C, 3#10, 1#8 NEUTRAL, 1#10 GND
60-4	70A	60A	1.25"C, 4#4, 1#8 GND
60-4N	200A	60A	2"C, 4#3/0, 1#1/0 GND
60-4V	115A	60A	1.25"C, 4#2, 1#4 GND
100-4	95A	100A	1.25"C, 4#2, 1#8 GND
100-4N	200A	100A	2"C, 4#3/0, 1#1/0 GND
100-4V	130A	100A	1.5"C, 4#1, 1#6 GND
150-4	150A	150A	2"C, 4#1/0, 1#6 GND
200-4	200A	200A	2"C, 4#3/0, 1#6 GND
200-4V	400A	200A	(2) 2"C, 4#3/0, 1#3 GND
250-4V	460A	250A	(2) 2.5"C, 4#4/0, 1#1 GND
300-4	285A	300A	3"C, 4#300KCMIL, 1#4 GND
300-4V	760A	300A	(2) 3"C, 4#350KCMIL, 1#2/0 GND
400-4	400A	400A	(2) 2"C, 4#3/0, 1#3 GND
400-4N	380A	400A	3.5"C, 3#500KCMIL, 2#500KCMIL NEUTRAL, 1#3 GND
400-4V	760A	400A	(2) 4"C, 3#500KCMIL, 2#500KCMIL NEUTRAL, 1#1/0 GND
600-4	570A	600A	(2) 3"C, 4#300 KCMIL, 1#1 GND
600-4V	760A	600A	(2) 3"C, 4#350KCMIL, 1#2 GND
800-4	760A	800A	(2) 3.5"C, 4#500 KCMIL, 1#1/0 GND
900-4	930A	900A	(2) 3.5"C, 4#500 KCMIL, 1#1/0 GND
1200-4	1240A	1200A	(4) 3.5"C, 4#350 KCMIL, 1#3/0 GND
1600-4	1675A	1600A	(5) 4"C, 4#400 KCMIL, 1#4/0 GND

GENERAL NOTES:

A. FEEDER TAGS WITH THE SUFFIX OF 'V' HAVE BEEN UPSIZED FOR VOLTAGE DROP. REDUCE CONDUCTORS AT EQUIPMENT TO ACCOMODATE AVAILABLE LUG SIZES.

SHEET NOTES:

1. DEMOLISH EXISTING ATS AND FEEDERS AND INSTALL NEW ATS IN EXISTING LOCATION. INSTALL NEW FEEDERS AS SHOWN.
2. REMOVE AND HAND OVER 400A, 3P BREAKER TO VA. REPLACE WITH NEW BREAKER INDICATED IN EXISTING SPACE. EXISTING SWITCHGEAR IS A WESTINGHOUSE TYPE DS SWITCHBOARD. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING SWITCHGEAR AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING OF 20,000 OR MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL, WHICH EVER IS LARGER.
3. INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE EXISTING SWITCHGEAR. THE EXISTING SWITCHGEAR IS A WESTINGHOUSE TYPE DS SWITCHBOARD. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING OF 20,000 OR MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL, WHICH EVER IS LARGER.
4. SEE 2/010-EP-OB1 FOR EMERGENCY STOP PUSHBUTTON LOCATIONS.
5. PROVIDE 1/2"C, WITH 3#12 FOR CONNECTION TO POWER SHUT OFF PUSHBUTTON IN BUILDING 10 ROOM B007A, SEE 2/010-EP-0B1.



1 PARTIAL ONE-LINE DIAGRAM EMERGENCY BRANCH - DOM

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — 3-10-22 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
POWER ONE-LINE DIAGRAM EMERGENCY BRANCH - DOM	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 — CHECKED BY: JAM — DRAWN BY: NVF	DRAWING NUMBER: EK-101

VA FORM 08 - 6231

3/14/2022 10:08:47 AM

C:\Users\Caleb.Kopp\Documents\REVIT 2020\ LOCALS\M1121_ESERIES_BLDG 1_2D_ckopp\QCETM.rvt

GENERAL NOTES:

A. SEE SHEET EK-101 FOR FEEDER SCHEDULE.

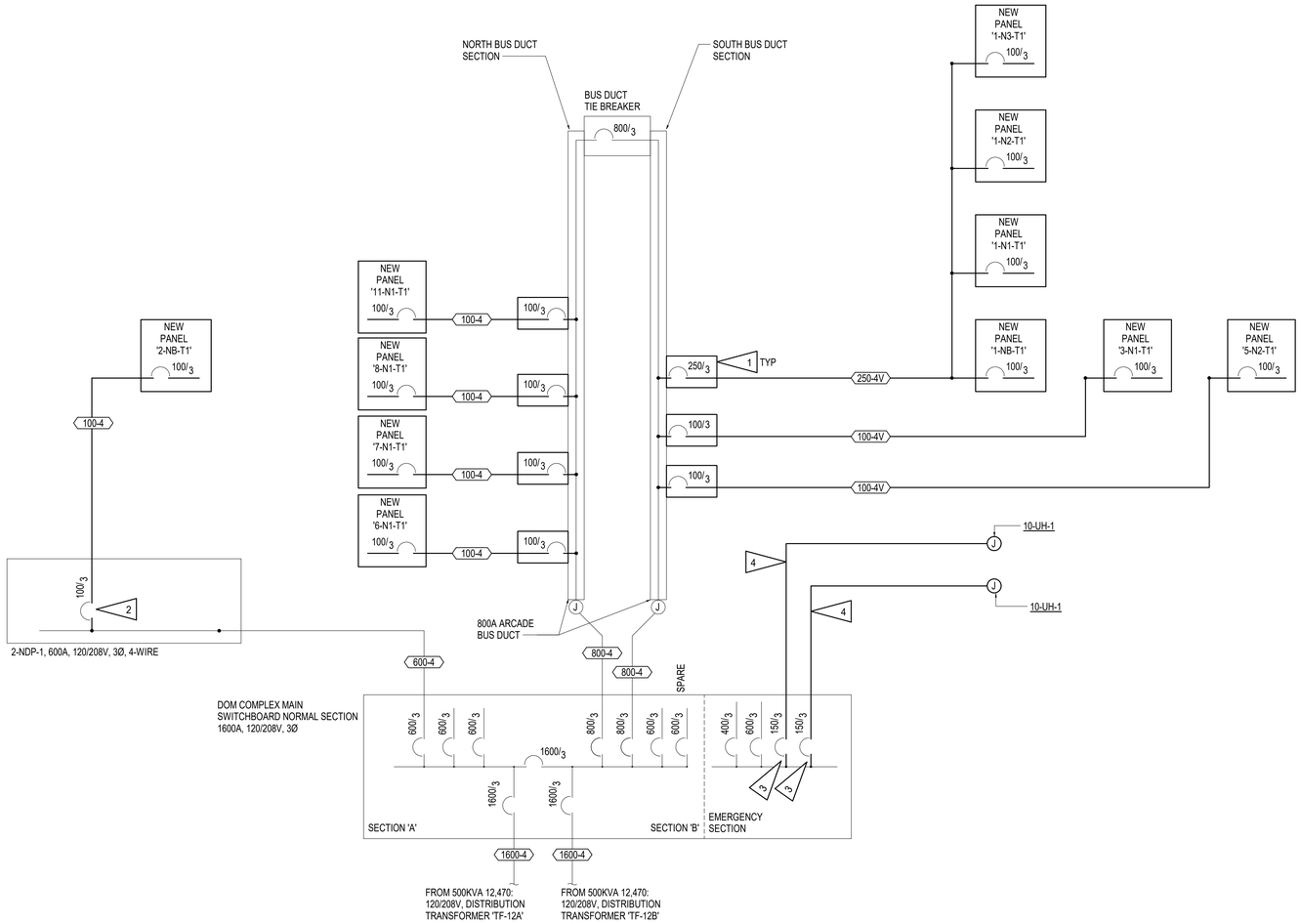
SHEET NOTES:

1. INSTALL NEW CIRCUIT BREAKERS ON THE EXISTING PLUG-IN BUSSED DUCT. THE EXISTING DUCT IS A WESTINGHOUSE TYPE POW-R-WAY BUSWAY, 800A, 120/208V, 3Ø, 4-WIRE. THE NEW CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING BUSSED DUCT AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING OF 20,000 OR MATCH THE LOWEST RATED EXISTING DEVICE IN THE BUSSED DUCT, WHICH EVER IS LARGER.

2. INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE EXISTING PANEL. THE EXISTING PANEL IS A WESTINGHOUSE TYPE CDP, 600A, 120/208V, 3Ø, 4-WIRE WITH MAIN LUGS ONLY. THE NEW CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING OF 20,000 OR MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL, WHICH EVER IS LARGER.

3. INSTALL NEW CIRCUIT BREAKERS IN SPACE AVAILABLE IN THE EXISTING PANEL. THE EXISTING SWITCHBOARD IS A WESTINGHOUSE,1600A, 120/208V, 3Ø. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING SWITCHBOARD AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING TO MATCH THE LOWEST RATED EXISTING DEVICE IN THE SWITCHBOARD.

4. SEE EQUIPMENT SCHEDULE ON SHEET 010-EP-OB1 FOR FEEDER SIZE .



1 PARTIAL ONE-LINE DIAGRAM NORMAL BRANCH - DOM

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA 14TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

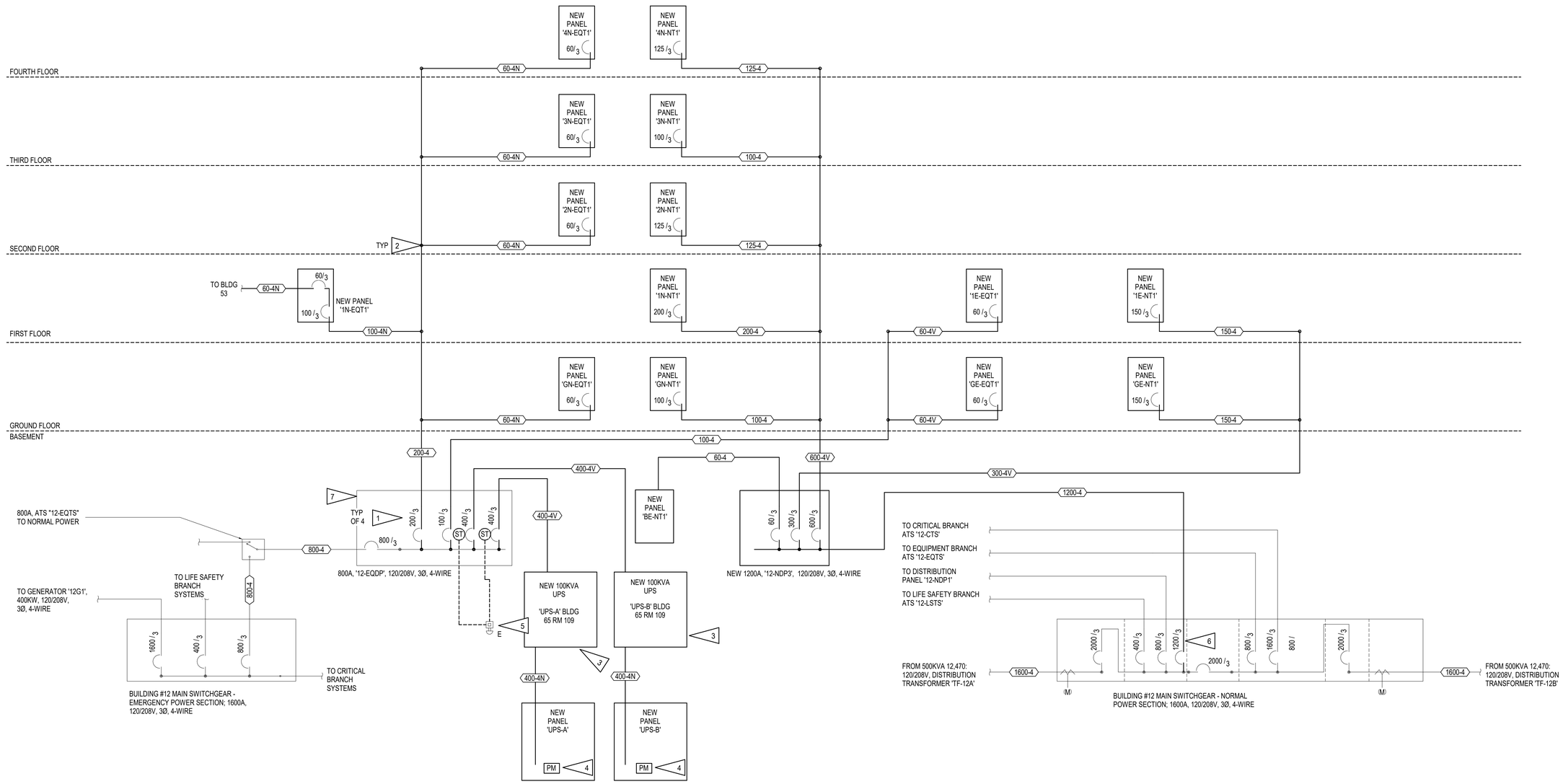
VA U.S. Department of Veterans Affairs

DRAWING TITLE: POWER 0NE-LINE DIAGRAM NORMAL BRANCH - DOM	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: PCC	DRAWING NUMBER: EK-102

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALS\M121_ESERIES_BLDG 1_R20_ckopp\CQETM.rvt

3/14/2022 10:08:48 AM



1 PARTIAL ONE-LINE DIAGRAM - BUILDING #12

SHEET NOTES:

1. INSTALL NEW CIRCUIT BREAKERS IN SPACE AVAILABLE IN THE EXISTING PANEL. THE EXISTING PANEL IS A GE TYPE CCB. THE NEW CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING OF 20,000 OR MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL, WHICH EVER IS LARGER.
2. TAP FEEDER IN ACCORDANCE WITH NEC 240.21(B)(2).
3. UPS IS SPECIFIED WITH DUAL BATTERY CABINET INPUTS AND PARALLELING CABINET INPUT TO PROVIDE N+1 CONFIGURATION.
4. PROVIDE PANEL WITH INTEGRAL POWER METERING.
5. PROVIDE 1/2"C, WITH 3#12 FOR CONNECTION TO POWER SHUT OFF PUSHBUTTON IN BUILDING 65 ROOM 109, SEE 065-EJ-011.1.
6. INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE EXISTING SWITCHBOARD. THE EXISTING SWITCHBOARD IS A EATON TYPE PRL4. THE NEW CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING OF 20,000 OR MATCH THE LOWEST RATED EXISTING DEVICE IN THE SWITCHBOARD, WHICH EVER IS LARGER.
7. MODIFY BUS AS REQUIRED TO ACCOMODATE NEW BREAKERS. INSTALL PER PANEL MANUFACTURERS' INSTRUCTIONS. SEE NOTES 1 AND 6.

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 49TH JEREMY A. MAXIE EE-11847 4/8/22 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

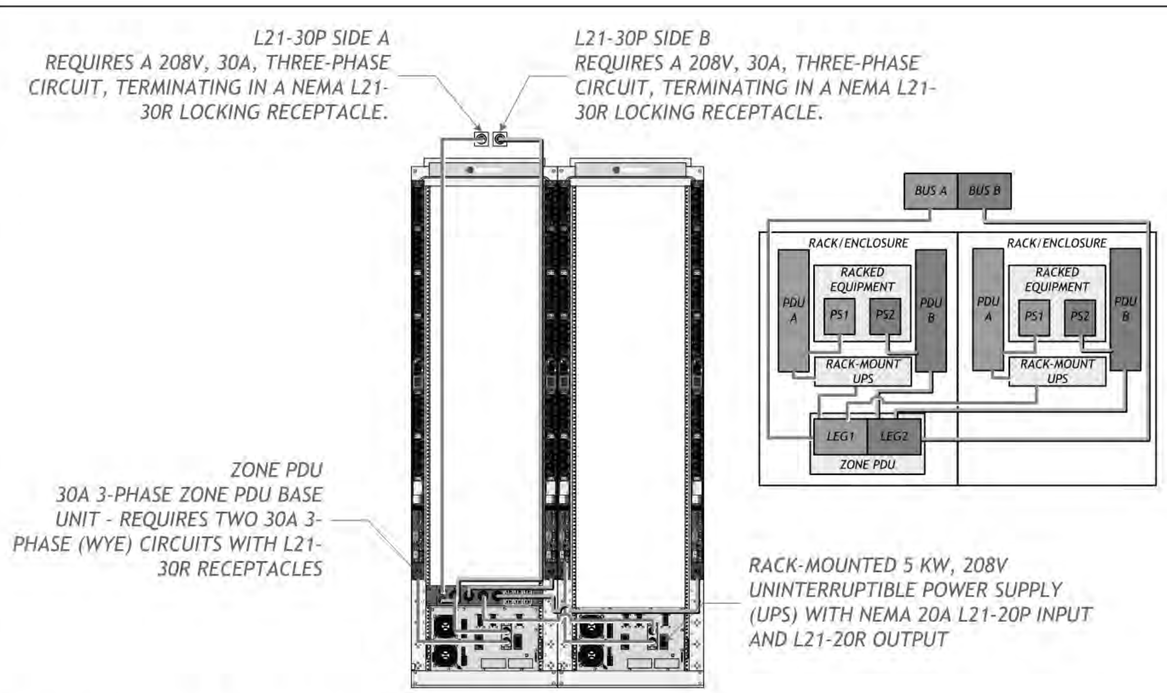
VA U.S. Department of Veterans Affairs

DRAWING TITLE: POWER ONE-LINE DIAGRAM - BUILDING 12	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	DRAWING NUMBER: EK-103

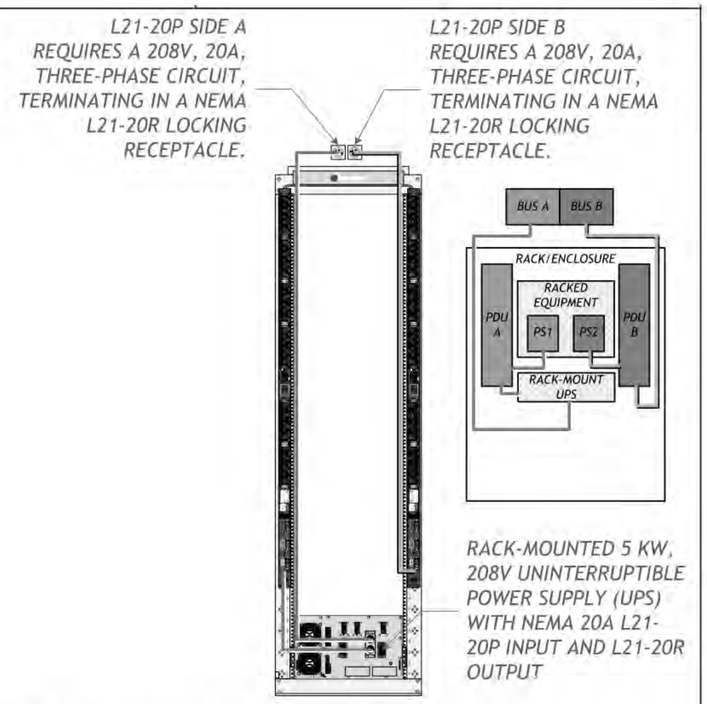
VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCALSM1121_ESSERIES_BLDG 1 -20_JaoppQCSETM.rvt

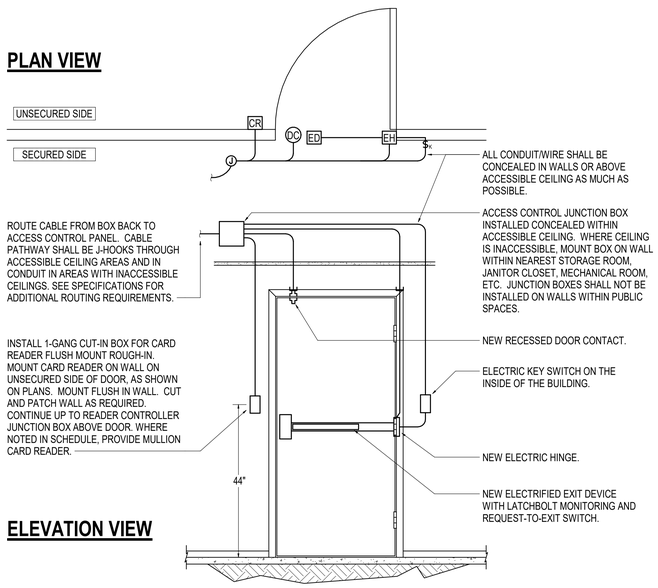
3/14/2022 10:08:49 AM



2 POWER ELEVATION AND SCHEMATIC FOR A TWO RACK TR



1 POWER ELEVATION AND SCHEMATIC FOR A ONE RACK TR



3 CONTROLLED DOOR - SINGLE DOOR, ELECTRIFIED EXIT DEVICE

NOT TO SCALE

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA 49TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: POWER ELEVATIONS AND DETAILS	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	DRAWING NUMBER: EK-104

VA FORM 08 - 6231

C:\Users\Cards Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_(2)_dkopp0CdETM.rvt

3/14/2022 10:08:50 AM

PANEL '1-EQ1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-113C-1A	MISC	1,667	250		LTG	TELECOM RM 113C LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	1-DDC-2	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		1,917	1,717	1,667		5,300	VA			
				TOTAL AMPS		16	14	14		15	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.25	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.3 KVA	15	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.25	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.3 KVA	15	A
DEMAND LOAD IN KVA:	0.31	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.4 KVA	15	A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '1-EQ2-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-217C-1A	MISC	1,667	250		LTG	TELECOM RM 217C LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	1-DDC-3	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		1,917	1,717	1,667		5,300	VA			
				TOTAL AMPS		16	14	14		15	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.25	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.3 KVA	15	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.25	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.3 KVA	15	A
DEMAND LOAD IN KVA:	0.31	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.4 KVA	15	A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '1-EQ3-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-315C-1A	MISC	1,667	350		LTG	TELECOM RM LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	1-DDC-4	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		2,017	1,717	1,667		5,400	VA			
				TOTAL AMPS		17	14	14		15	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.35	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.4 KVA	15	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.35	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.4 KVA	15	A
DEMAND LOAD IN KVA:	0.44	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.5 KVA	15	A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '1-EQB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-B3A-1A	MISC	1,667	294		LTG	RM B003A, B003B LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	1-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		1,961	1,717	1,667		5,344	VA			
				TOTAL AMPS		16	14	14		15	A			

cl A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.29	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.3 KVA	15	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.29	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.3 KVA	15	A
DEMAND LOAD IN KVA:	0.37	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.4 KVA	15	A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '1-N1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-113C-1B	MISC	1,667				SPARE	20	1	2	
	3	3	20	^^^	MISC		1,667	770	RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667	720	RECP	TR WEST RECP	20	1	6	
	7	2	45	1-IU-2	MOTR	3,557				SPARE		1	8	
	9	2	45	^^	MOTR		3,557			SPARE	20	1	10	
	11	2	40	1-CU-2	MOTR			2,163		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,163				SPARE	20	1	14	
	15	1	20	SPARE	MOTR					SPARE	20	1	16	
	17	1	20	SPARE	MOTR					SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
				TOTAL V-A		7,387	5,993	4,550		17,930	VA			
				TOTAL AMPS		62	50	38		50	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.49	11.44	1.78	5.00	0.00	0.00	0.00	17.9 KVA	50	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.49	11.44	1.78	5.00	0.00	0.00	0.00	17.9 KVA	50	A
DEMAND LOAD IN KVA:	0.00	1.49	11.44	1.78	5.00	0.00	0.00	0.00	19.7 KVA	55	A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA SOUTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '1-N2-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-217C-1B	MISC	1,667				SPARE	20	1	2	
	3	3	20	^^^	MISC		1,667	720	RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667	720	RECP	TR WEST RECP	20	1	6	
	7	2	45	1-IU-3	MOTR	3,557	2,392			MISC	1-UH-2	25	2	8	
	9	2	45	^^	MOTR		3,557	2,392		MISC	^^	25	2	10	
	11	2	40	1-CU-3	MOTR			2,132			SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132					SPARE	20	1	14	
	15	1	20	SPARE							SPARE	20	1	16	
	17	1	20	SPARE							SPARE	20	1	18	
	19	1	20	SPARE							SPACE	-	1	20	
				TOTAL V-A		9,748	8,336	4,519		22,602	VA			
				TOTAL AMPS		81	69	38		63	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.44	11.38	1.78	9.78	0.00	0.00	0.00	22.6 KVA	63	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.44	11.38	1.78	9.78	0.00	0.00	0.00	22.6 KVA	63	A
DEMAND LOAD IN KVA:	0.00	1.44	11.38	1.78	9.78	0.00	0.00	0.00	24.4 KVA	68	A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA SOUTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AEOC5342

STAMP

STATE OF ALASKA | 49TH | JEREMY A. MAXIE | EE-113847 | 02-22-22 | REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 1 - PANEL SCHEDULES

PHASE: 100% CD FINAL SOLUTION

PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES

PROJECT NUMBER: 568A4-21-702

BUILDING NUMBER: N/A

APPROVED: Project Director

FLS: FULLY SPRINKLERED

LOCATION: HOT SPRINGS, SOUTH DAKOTA

ISSUE DATE: 02/22/2022 | CHECKED BY: JAM | DRAWN BY: CSZ

DRAWING NUMBER: EK-105

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_ckopp\CSETM.rvt
3/14/2022 10:08:52 AM
VA FORM 08 - 6231

PANEL '1-N3-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-315C-1B	MISC	1,667				SPARE	20	1	2	
	3	3	20	^^^	MISC		1,667	720	RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667 720	RECP	TR WEST RECP	20	1	6	
	7	2	45	1-IU-4	MOTR	3,557				SPARE	20	1	8	
	9	2	45	^^	MOTR		3,557			SPARE	20	1	10	
	11	2	40	1-CU-4	MOTR			2,132		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132				SPARE	20	1	14	
	15	1	20	SPARE						SPARE	20	1	16	
	17	1	20	SPARE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		7,356	5,944	4,519		17,818 VA				
				TOTAL AMPS		61	50	38		49 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.44	11.38	1.78	5.00	0.00	0.00	0.00	17.8 KVA	49 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.44	11.38	1.78	5.00	0.00	0.00	0.00	17.8 KVA	49 A
DEMAND LOAD IN KVA:	0.00	1.44	11.38	1.78	5.00	0.00	0.00	0.00	19.6 KVA	54 A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA SOUTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '1-NB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-B3A-1B	MISC	1,667 180			RECP	EXTERIOR RECP 1-CU-1	20	1	2	
	3	3	20	^^^	MISC		1,667 720		RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667 720	RECP	TR WEST RECP	20	1	6	
	7	2	40	1-IU-1	MOTR	3,120 2,392			MISC	1-UH-1	25	2	8	
	9	2	40	^^	MOTR		3,120 2,392		MISC	^^	25	2	10	
	11	2	40	1-CU-1	MOTR			2,132		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132				SPARE	20	1	14	
	15	1	20	SPARE						SPARE	20	1	16	
	17	1	20	SPARE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
				TOTAL V-A		9,491	7,899	4,519		21,908 VA				
				TOTAL AMPS		79	66	38		61 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	10.50	1.56	9.78	0.00	0.00	0.00	21.9 KVA	61 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	10.50	1.56	9.78	0.00	0.00	0.00	21.9 KVA	61 A
DEMAND LOAD IN KVA:	0.00	1.62	10.50	1.56	9.78	0.00	0.00	0.00	23.5 KVA	65 A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA SOUTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '2-EQ2-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-222-1A	MISC	1,667 100			LTG	TELECOM RM 222 LTG	20	1	2	
	3	3	20	^^^	MISC		1,667 50		MISC	2-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	20	SPARE						SPARE	20	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		1,767	1,717	1,667		5,150 VA				
				TOTAL AMPS		15	14	14		14 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
DEMAND LOAD IN KVA:	0.13	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING PANEL '2-N2-1'

MFR/MODEL: SEIMENS TYPE | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	RECEPTACLES RM 220,221	RECP	1,080 1,920			LTG	LTS RM 217,219,220	20	1	2	a
a	3	1	20	RECEPTACLES RM 221,222	RECP		1,080 1,920		LTG	LTS RM 211,214,215	20	1	4	a
a	5	1	20	RECEPTACLES RM 205,206	RECP			1,080 1,920	LTG	LTS RM 206 & CORR	20	1	6	a
a	7	1	20	RECEPTACLES RM 203,204	RECP	1,080 1,920			LTG	LTS RM 218,221	20	1	8	a
a	9	1	20	RECEPTACLES RM 206,208	RECP		1,080 1,920		LTG	LTS AND EXHAUST FANS RR	20	1	10	a
a	11	1	20	RM 218 (COMP RACK) 221 & COR	RECP			1,080 1,920	LTG	LTS RM 220,221,222	20	1	12	a
a	13	1	20	RECEPTALCES RM 211,212,213	RECP	1,080 1,920			LTG	LTS ATTIC	20	1	14	a
a	15	1	20	RECEPTALCES RM 214	RECP		1,080 1,176		MOTR	CIRC PUMP	20	1	16	a
a	17	1	20	RECEPTACLES RM 214,215,217	RECP			1,080		SPARE	20	1	18	
b	**19**	**3**	**20**	**RK-222-1B**	**MISC**	**1,667 1,176**			MOTR	CIRC PUMP	20	1	20	a
b	**21**	**3**	**20**	**^^^**	**MISC**		**1,667**			SPARE	20	1	22	
b	**23**	**3**	**20**	**^^^**	**MISC**			**1,667**		SPARE	20	1	24	
b	**25**	**1**	**20**	**RECEPTACLE ON ROOFTOP**	**RECP**	**180**				SPARE	20	1	26	
b	**27**	**2**	**40**	**2-CU-2**	**MOTR**		**2,132 3,557**		**MOTR**	**2-IU-2**	**45**	**2**	**28**	**b**
b	**29**	**2**	**40**	**^^**	**MOTR**			**2,132 3,557**	**MOTR**	**^^**	**45**	**2**	**30**	**b**
a	31	1	20	EXHAUST FAN -4	MOTR	1,176				SPARE	20	1	32	
	33	1	20	SPARE						SPARE	20	1	34	
	35	1	20	SPARE						SPARE	20	1	36	
	37	1	20	SPARE						SPARE	20	1	38	
	39	1	20	SPARE						SPARE	20	1	40	
	41	1	20	SPARE						SPARE	20	1	42	
				TOTAL V-A		13,199	15,611	14,435		43,246 VA				
				TOTAL AMPS		110	130	120		120 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	13.44	9.90	14.91	1.78	5.00	0.00	0.00	0.00	43.2 KVA	120 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	13.44	9.90	14.91	1.78	5.00	0.00	0.00	0.00	43.2 KVA	120 A
DEMAND LOAD IN KVA:	16.80	9.90	14.91	1.78	5.00	0.00	0.00	0.00	48.4 KVA	134 A

PANEL NOTES:
a EXISTING LOAD TO REMAIN. LOAD SHOWN IS BASED ON LOAD SERVED.
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE EXISTING PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING TO MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '2-NB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-B1B-1B	MISC	1,667 180			RECP	EXTERIOR RECP 2-CU-1	20	1	2	
	3	3	20	^^^	MISC		1,667 720		RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667 720	RECP	TR WEST RECP	20	1	6	
	7	2	40	2-IU-1	MOTR	3,120				SPARE	20	1	8	
	9	2	40	^^	MOTR		3,120			SPARE	20	1	10	
	11	2	40	2-CU-1	MOTR			2,132		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132				SPARE	20	1	14	
	15	1	20	SPARE						SPARE	20	1	16	
	17	1	20	SPARE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
				TOTAL V-A		7,099	5,507	4,519		17,124 VA				
				TOTAL AMPS		59	46	38		48 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	10.50	1.56	5.00	0.00	0.00	0.00	17.1 KVA	48 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	10.50	1.56	5.00	0.00	0.00	0.00	17.1 KVA	48 A
DEMAND LOAD IN KVA:	0.00	1.62	10.50	1.56	5.00	0.00	0.00	0.00	18.7 KVA	52 A

PANEL NOTES:
a FED FROM PANEL '2-NDB-1'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '2-EQB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-B1B-1A	MISC	1,667 170			LTG	TELECOM RM B1B, VEST B1C LTG	20	1	2	
	3	3	20	^^^	MISC		1,667 50		MISC	2-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	20	SPARE						SPARE	20	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		1,837	1,717	1,667		5,220 VA				
				TOTAL AMPS		15	14	14		14 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.17	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.17	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
DEMAND LOAD IN KVA:	0.21	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.3 KVA	15 A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AEOC342

STAMP

STATE OF ALASKA 40TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 1 & 2 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: EK-106

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALS\M121_ESERIES_BLDG 1_r20_ckopp\QCETM.rvt
3/14/2022 10:08:58 AM
VA FORM 08 - 6231

PANEL '2-EQDP-2'

MFR/MODEL: SQUARE 'D' TYPE I-LINE | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 400 A | MTG: SURFACE

NOTE	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A		VOLT-AMPS B		VOLT-AMPS C		TYPE	SERVICE	AMPS	POLE	NOTE
	3	*	BUILDING 1 TR FEEDER	FEDR	7,811	3,533					FEDR	BUILDING 3 TR FEEDER	*	3	
	3	*	^^^	FEDR			6,867	3,383			FEDR	^^^	*	3	
	3	*	^^^	FEDR					6,667	3,333	FEDR	^^^	*	3	
	3	*	BUILDING 2 TR FEEDER	FEDR	3,603	5,000					FEDR	BUILDING 4 TR FEEDER	*	3	
	3	*	^^^	FEDR			3,433	5,150			FEDR	^^^	*	3	
	3	*	^^^	FEDR					3,333	5,000	FEDR	^^^	*	3	
	3	*	BUILDING 5 TR FEEDER	FEDR	1,767	1,767					FEDR	BUILDING 8 TR FEEDER	*	3	
	3	*	^^^	FEDR			1,717	1,717			FEDR	^^^	*	3	
	3	*	^^^	FEDR					1,667	1,667	FEDR	^^^	*	3	
	3	*	BUILDING 6 TR FEEDER	FEDR	1,767	1,817					FEDR	BUILDING 11 TR FEEDER	*	3	
	3	*	^^^	FEDR			1,717	1,717			FEDR	^^^	*	3	
	3	*	^^^	FEDR					1,667	1,667	FEDR	^^^	*	3	
	3	*	BUILDING 7 TR FEEDER	FEDR	1,767										
	3	*	^^^	FEDR			1,717								
	3	*	^^^	FEDR					1,667						
TOTAL V-A					28,831		27,417		26,667		82,914	VA			
TOTAL AMPS					240		228		222		230	A			

AIC RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0 KVA	0 A
CONNECTED LOAD IN KVA (BRANCH PANELS):	2.16	0.00	0.00	0.00	80.75	0.00	0.00	0.00	82.9 KVA	230 A
TOTAL CONNECTED LOAD IN KVA:	2.16	0.00	0.00	0.00	80.75	0.00	0.00	0.00	82.9 KVA	230 A
DEMAND LOAD IN KVA:	2.71	0.00	0.00	0.00	80.75	0.00	0.00	0.00	83.5 KVA	232 A

PANEL NOTES:

* SEE ONE -LINE DIAGRAM 1/EK-101

PANEL OPTIONS:
MAIN LUGS ONLY

PANEL '4-EQB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A		VOLT-AMPS B		VOLT-AMPS C		TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-04-1A	MISC	1,667							SPARE	20	1	2	
	3	3	20	^^^	MISC			1,667	50			MISC	4-DDC-1	15	1	4	
	5	3	20	^^^	MISC					1,667			SPARE	20	1	6	
	7	1	-	SPACE									SPACE	-	1	8	
	9	1	-	SPACE									SPACE	-	1	10	
	11	1	-	SPACE									SPACE	-	1	12	
	13	1	-	SPACE									SPACE	-	1	14	
	15	1	-	SPACE									SPACE	-	1	16	
	17	1	-	SPACE									SPACE	-	1	18	
	19	1	-	SPACE									SPACE	-	1	20	
TOTAL V-A						1,667		1,717		1,667				5,050	VA		
TOTAL AMPS						14		14		14				14	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A

PANEL NOTES:

a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '4-EQ2-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A		VOLT-AMPS B		VOLT-AMPS C		TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-203-1A	MISC	1,667							SPARE	20	1	2	
	3	3	20	^^^	MISC			1,667	50			MISC	4-DDC-3	15	1	4	
	5	3	20	^^^	MISC					1,667			SPARE	20	1	6	
	7	1	-	SPACE									SPACE	-	1	8	
	9	1	-	SPACE									SPACE	-	1	10	
	11	1	-	SPACE									SPACE	-	1	12	
	13	1	-	SPACE									SPACE	-	1	14	
	15	1	-	SPACE									SPACE	-	1	16	
	17	1	-	SPACE									SPACE	-	1	18	
	19	1	-	SPACE									SPACE	-	1	20	
TOTAL V-A						1,667		1,717		1,667				5,050	VA		
TOTAL AMPS						14		14		14				14	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A

PANEL NOTES:

a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '3-EQ1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A		VOLT-AMPS B		VOLT-AMPS C		TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-103-1A	MISC	3,333	200					LTG	TELECOM RM LTG	20	1	2	
	3	3	30	^^^	MISC			3,333	50			MISC	3-DDC-1	15	1	4	
	5	3	30	^^^	MISC					3,333			SPARE	20	1	6	
	7	1	20	SPARE									SPARE	20	1	8	
	9	1	-	SPACE									SPACE	-	1	10	
	11	1	-	SPACE									SPACE	-	1	12	
	13	1	-	SPACE									SPACE	-	1	14	
	15	1	-	SPACE									SPACE	-	1	16	
	17	1	-	SPACE									SPACE	-	1	18	
	19	1	-	SPACE									SPACE	-	1	20	
TOTAL V-A						3,533		3,383		3,333				10,250	VA		
TOTAL AMPS						29		28		28				28	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.20	0.00	0.00	0.00	10.05	0.00	0.00	0.00	10.3 KVA	28 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.20	0.00	0.00	0.00	10.05	0.00	0.00	0.00	10.3 KVA	28 A
DEMAND LOAD IN KVA:	0.25	0.00	0.00	0.00	10.05	0.00	0.00	0.00	10.3 KVA	29 A

PANEL NOTES:

a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '3-N1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A		VOLT-AMPS B		VOLT-AMPS C		TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-103-1B	MISC	3,333							SPARE	20	1	2	
	3	3	30	^^^	MISC			3,333	720			RECP	TR EAST RECP	20	1	4	
	5	3	30	^^^	MISC					3,333	720	RECP	TR WEST RECP	20	1	6	
	7	2	40	3-IU-1	MOTR	3,120	180					RECP	EXTERIOR RECP 3-CU-1	20	1	8	
	9	2	40	^^	MOTR			3,120					SPARE	20	1	10	
	11	2	40	3-CU-1	MOTR					2,132			SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132							SPARE	20	1	14	
	15	1	20	SPARE									SPARE	20	1	16	
	17	1	20	SPARE									SPARE	20	1	18	
	19	1	-	SPACE									SPACE	-	1	20	
	21	1	-	SPACE									SPACE	-	1	22	
	23	1	-	SPACE									SPACE	-	1	24	
	25	1	-	SPACE									SPACE	-	1	26	
	27	1	-	SPACE									SPACE	-	1	28	
	29	1	-	SPACE									SPACE	-	1	30	
TOTAL V-A						8,765		7,173		6,185				22,124	VA		
TOTAL AMPS						73		60		52				61	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	10.50	1.56	10.00	0.00	0.00	0.00	22.1 KVA	61 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	10.50	1.56	10.00	0.00	0.00	0.00	22.1 KVA	61 A
DEMAND LOAD IN KVA:	0.00	1.62	10.50	1.56	10.00	0.00	0.00	0.00	23.7 KVA	66 A

PANEL NOTES:

a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA SOUTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '4-EQ1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A		VOLT-AMPS B		VOLT-AMPS C		TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-103-1A	MISC	1,667							SPARE	20	1	2	
	3	3	20	^^^	MISC			1,667	50			MISC	4-DDC-2	15	1	4	
	5	3	20	^^^	MISC					1,667			SPARE	20	1	6	
	7	1	-	SPACE									SPACE	-	1	8	
	9	1	-	SPACE									SPACE	-	1	10	
	11	1	-	SPACE									SPACE	-	1	12	
	13	1	-	SPACE									SPACE	-	1	14	
	15	1	-	SPACE									SPACE	-	1	16	
	17	1	-	SPACE									SPACE	-	1	18	
	19	1	-	SPACE									SPACE	-	1	20	
TOTAL V-A						1,667		1,717		1,667				5,050	VA		
TOTAL AMPS						14		14		14				14	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.1 KVA	14 A

PANEL NOTES:

a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA | 40TH | JEREMY A. MAXIE | EE-113847 | 3/3/22 | REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	BUILDING 2, 3 & 4 - PANEL SCHEDULES
PHASE	100% CD FINAL SOLUTION
PROJECT TITLE	EHRM INFRASTRUCTURE UPGRADES
PROJECT NUMBER	568A4-21-702
BUILDING NUMBER	N/A
APPROVED: Project Director	
FLS	FULLY SPRINKLERED
LOCATION	HOT SPRINGS, SOUTH DAKOTA
ISSUE DATE	02/22/2022
CHECKED BY	JAM
DRAWN BY	CSZ
DRAWING NUMBER	EK-107

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCAL\SM1121_ESERIES_BLDG 1_2D_Kopp\CSZETM.rvt
3/14/2022 10:08:59 AM

EXISTING PANEL '4-NB-1'

MFR/MODEL: EATON PRL1A | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	ELEVATOR EQUIPMENT						VENDING MACHINE	20	1	2	a
a	3	1	20	ELEVATOR PIT RECP						VENDING MACHINE	20	1	4	a
a	5	1	20	ELEVATOR CAB						VENDING MACHINE	20	1	6	a
a	7	1	20	COMPUTER RACK		**1,667**			**MISC**	**RK-04-1B**	**20**	**3**	**8**	**b**
a	9	1	20	COMPUTER RACK			**1,667**		**MISC**	**^^^**	**20**	**3**	**10**	**b**
	11	1	20	SPARE				**1,667**	**MISC**	**^^^**	**20**	**3**	**12**	**b**
	13	1	20	SPARE		**2,132**			**MOTR**	**4-CU-1**	**40**	**2**	**14**	**b**
	15	1	20	SPARE			**2,132**		**MOTR**	**^^**	**40**	**2**	**16**	**b**
	17	1	20	SPARE				**3,120**	**MOTR**	**4-IU-1**	**40**	**2**	**18**	**b**
	19	1	20	SPARE		**3,120**			**MOTR**	**^^**	**40**	**2**	**20**	**b**
a	21	1	20	RECP FOR MINI-SPLIT COND PMP			**180**		**RECP**	**EXTERIOR RECP 4-CU-1**	**20**	**1**	**22**	**b**
	23	1	20	SPARE						SPARE	15	1	24	b
	25	1	20	SPARE						SPARE	20	1	26	
a	27	2	15	A/C SPLIT UNIT HEAD (RM 4)						SPARE	20	1	28	
a	29	2	15	^^						SPARE	20	1	30	
a	31	3	35	OUTSIDE CONDENSING UNIT						SPARE	20	1	32	
a	33	3	35	^^^						SPARE	20	1	34	
a	35	3	35	^^^						SPARE	20	1	36	
a	37	3	15	POWER METER						SPARE	20	1	38	
a	39	3	15	^^^						SPACE	-	1	40	
a	41	3	15	^^^						SPACE	-	1	42	
TOTAL V-A						6,919	3,979	4,787		15,684	VA			
TOTAL AMPS						58	33	40		44	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.18	10.50	1.56	5.00	0.00	0.00	0.00	15.7 KVA	44 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.18	10.50	1.56	5.00	0.00	0.00	0.00	15.7 KVA	44 A
DEMAND LOAD IN KVA:	0.00	0.18	10.50	1.56	5.00	0.00	0.00	0.00	17.2 KVA	48 A

PANEL NOTES:
a EXISTING LOAD.
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING PANEL '4-NB-2'

MFR/MODEL: EATON PRL1A | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	LTG RM 16,17,20						LTG RM 5	20	1	2	a
a	3	1	20	LTG RM 11,12						LTG RM 9	20	1	4	a
a	5	1	20	TABLE RECP RM 8						WALL RECP RM 8	20	1	6	a
a	7	1	20	RECP RM 11						TABLE RECP RM 8	20	1	8	a
a	9	1	20	RECP RM 12						RECP RM 100	20	1	10	a
a	11	1	20	TABLE RECP RM 8						RECP RM 100	20	1	12	a
a	13	1	20	RECP RM 9						TABLE RECP RM 8	20	1	14	a
a	15	1	20	RECP RM 16,17,20						TABLE RECP RM 8	20	1	16	a
a	17	1	20	WALL RECP RM 5						TABLE RECP RM 8	20	1	18	a
a	19	1	20	WALL RECP RM 5						HALLWAY RECP	20	1	20	a
a	21	1	20	WALL RECP RM 5						LTG RM 11,12	20	1	22	a
a	23	1	20	WALL RECP RM 5						**SPARE**	**20**	**1**	**24**	**b**
a	25	1	20	WALL RECP RM 5						**SPARE**	**20**	**1**	**26**	**b**
a	27	1	20	WALL RECP RM 5						**SPARE**	**20**	**1**	**28**	**b**
	29	1	20	SPARE						**SPARE**	**20**	**1**	**30**	**b**
a	31	1	20	WATER METER						POWER METER	15	3	32	a
a	33	1	20	LANDING LTG						^^^	15	3	34	a
	35	1	20	SPARE						^^^	15	3	36	a
a	37	1	20	ADO NEAR EAST OUTSIDE DOOR						WATER FOUNTAIN	20	1	38	a
a	39	1	20	ELECTRIC/DATA RM LTG, RECP						SPARE	20	1	40	
	41	1	20	SPARE						SPARE	20	1	42	
TOTAL V-A						0	0	0		0	VA			
TOTAL AMPS						0	0	0		0	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0 KVA	0 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0 KVA	0 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0 KVA	0 A

PANEL NOTES:
a EXISTING LOAD.
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING (E) PANEL '4-N1-1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	RECP NORTH						GFCI RECP BATHROOM	20	1	2	a
a	3	1	20	RECP NORTH						LTG LOBBY	20	1	4	a
a	5	1	20	RECP NORTH						LTG BATHROOM	20	1	6	a
a	7	1	20	RECP NORTH						ICE MACHINE	20	1	8	a
a	9	1	20	DOOR OPENER LOWER ARCADE						SPARE	20	1	10	
a	11	1	20	DOOR OPENER LOWER ARCADE						SPARE	20	1	12	
a	13	1	20	RECP DATA RACK						SPARE	20	1	14	
a	15	1	20	RECP DATA RACK						POWER METER	15	3	16	a
a	17	1	20	JOHNSON CONTROL EQUIPMENT						^^^	15	3	18	a
b	**19**	**2**	**40**	**4-CU-2**	**MOTR**	**2,132**				^^^	15	3	20	a
b	**21**	**2**	**40**	**^^**	**MOTR**		**2,132**			A/C SPLIT UNIT HEAD - RM 103	15	2	22	a
b	**23**	**2**	**40**	**4-IU-2**	**MOTR**			**3,120**		^^	15	2	24	a
b	**25**	**2**	**40**	**^^**	**MOTR**	**3,120**				SPACE	-	1	26	
	27	1	20	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						5,252	2,132	3,120		10,504	VA			
TOTAL AMPS						44	18	26		29	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	10.50	1.56	0.00	0.00	0.00	0.00	10.5 KVA	29 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	10.50	1.56	0.00	0.00	0.00	0.00	10.5 KVA	29 A
DEMAND LOAD IN KVA:	0.00	0.00	10.50	1.56	0.00	0.00	0.00	0.00	12.1 KVA	33 A

PANEL NOTES:
a EXISTING LOAD
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING (E) PANEL '4-N1-2'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	LTG RM 105						WATER FOUNTAIN	20	1	2	a
a	3	1	20	LTG 103						LTG 104A SOUTH	20	1	4	a
a	5	1	20	DRAIN PUMP RM 105						LTG 104A SOUTH	20	1	6	a
a	7	1	20	WATER HEATER RM 105						FURNITURE DOUBLE 104A	20	1	8	a
b	**9**	**3**	**30**	**RK-103-1B**	**MISC**		**1,667**			FURNITURE QUAD 104A	20	2	10	a
b	**11**	**3**	**30**	**^^^**	**MISC**			**1,667**		^^	20	2	12	a
b	**13**	**3**	**30**	**^^^**	**MISC**	**1,667**				FURNITURE DOUBLE 104A	20	1	14	a
b	**15**	**1**	**20**	**SPARE**						FURNITURE QUAD 104A	20	2	16	a
a	17	1	20	RECP RM 105B						^^	20	2	18	a
a	19	1	20	FURNITURE QUAD 104A NORTH						FURNITURE DOUBLE 104A	20	1	20	a
a	21	1	20	FURNITURE QUAD 104A NORTH						FURNITURE QUAD 104A	20	2	22	a
a	23	1	20	FURNITURE DOUBLE 104A NORTH						^^	20	2	24	a
a	25	1	20	FURNITURE QUAD 104A NORTH						FURNITURE QUAD 104A	20	2	26	a
a	27	1	20	FURNITURE QUAD 104A NORTH						^^	20	2	28	a
a	29	1	20	FURNITURE QUAD 104A NORTH						FURNITURE DOUBLE 104A	20	1	30	a
	31	1	20	SPARE						FURNITURE DOUBLE 104A NORTH	20	1	32	a
	33	1	50	SPARE						FURNITURE QUAD 104A NORTH	20	2	34	a
	35	1	50	SPARE						^^	20	2	36	a
a	37	3	15	POWER METER						FURNITURE QUAD 104A NORTH	20	1	38	a
a	39	3	15	^^^						FURNITURE QUAD 104A NORTH	20	1	40	a
a	41	3	15	^^^						FURNITURE DOUBLE 104A NORTH	20	1	42	a
TOTAL V-A						1,667	1,667	1,667		5,000	VA			
TOTAL AMPS						14	14	14		14	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A

PANEL NOTES:
a EXISTING LOAD
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING (E) PANEL '4-N2-2'

MFR/MODEL: EATON | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	LTG 205A NORTHSIDE					LTG	LTG 205A SOUTHSIDE	20	1	2	a
a	3	1	20	LTG 204, 205, 206, 206A, 207					LTG	LTG 205B	20	1	4	a
a	5	1	20	LTG 202, 203					RECP	RECP 205B	20	1	6	a
a	7	1	20	RECP 209, 210						FURNITURE 204, 205	20	1	8	a
	9	1	20	SPARE						FURNITURE 206, 207	20	1	10	a
a	11	1	20	LTG 208, 209, 210				**1,667**	**MISC**	**RK-203-1B**	**30**	**3**	**12**	**b**
a	13	1	20	FURNITURE DOUBLE 205A		**1,667**			**MISC**	**^^^**	**30**	**3**	**14**	**b**
a	15	2	20	FURNITURE QUAD 205A			**1,667**		**MISC**	**^^^**	**30**	**3**	**16**	**b**
a	17	2	20	^^						**SPARE**	**20**	**1**	**18**	**b**
a	19	1	20	FURNITURE DOUBLE 205A						FURNITURE DOUBLE	20	1	20	a
a	21	1	20	FURNITURE DOUBLE 205A						FURNITURE QUAD	20	2	22	a
a	23	2	20	FURNITURE QUAD 205A						^^	20	2	24	a
a	25	2	20	^^						FURNITURE QUAD	20	2	26	a
a	27	2	20	FURNITURE QUAD 205A						^^	20	2	28	a
a	29	2	20	^^						FURNITURE QUAD	20	2	30	a
a	31	1	20	WATER FOUNTAIN						^^	20	2	32	a
	33	1	20	SPARE						FURNITURE DOUBLE	20	1	34	a
	35	1	20	SPARE						FURNITURE DOUBLE	20	1	36	a
a	37	3	15	ELECTRIC METERING						WATER HEATER	30	1	38	a
a	39	3	15	^^^						SPARE	20	1	40	
a	41	3	15	^^^						SPARE	20	1	42	
TOTAL V-A						1,667	1,667	1,667		5,000	VA			
TOTAL AMPS						14	14	14		14	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A

PANEL NOTES:
a EXISTING LOAD
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING (E) PANEL '4-N2-1'

MFR/MODEL: EATON | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
b	**1**	**1**	**20**	**EXTERIOR RECP 4-CU-2,4-CU-3**	**RECP**	**180**				LTG ATTIC	20	1	2	a
a	3	1	20	RECP 204, 205						RECP ATTIC	20	1	4	a
a	5	1	20	RECP 206, 207						SPARE	20	1	6	
	7	1	20	SPARE						RECP SW WALL	20	1	8	a
a	9	1	20	RECP NORTH WALL						RECP SE WALL	20	1	10	a
a	11	1	20	RECP NE WALL						RECP SOUTH WALL	20	1	12	a
a	13	3	20	EF-402						RECP NW WALL	20	1	14	a
a	15	3	20	^^^						DATA RACK	20	1	16	a
a	17	3	20	^^^						DATA RACK	20	1	18	a
a	19	1	20	EF-401						POWER METER	15	3	20	a
a	21	2	15	MINI-SPLIT UNIT						^^^	15	3	22	a
a	23	2	15	^^						^^^	15	3	24	a
b	**25**	**2**	**40**	**4-IU-3**	**MOTR**	**3,120**	**2,132**		**MOTR**	**4-CU-3**	**40**	**2**	**26**	**b**
b	**27**	**2**	**40**	**^^**	**MOTR**		**3,120**	**2,132**	**MOTR**	**^^**	**40**	**2**	**28**	**b**
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						5,432	5,252	0		10,684	VA			
TOTAL AMPS						45	44	0		30	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.18	10.50	1.56	0.00	0.00	0.00	0.00	10.7 KVA	30 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.18	10.50	1.56	0.00	0.00	0.00	0.00	10.7 KVA	30 A
DEMAND LOAD IN KVA:	0.00	0.18	10.50	1.56	0.00	0.00	0.00	0.00	12.2 KVA	34 A

PANEL NOTES:
a EXISTING LOAD
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 49TH JEREMY A. MAXIE EE-113847 4/15/22 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 4 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: EK-108

VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCAL\SM1121_ESSERS3_BLDG 1_r20_kopppCGETM.rvt

3/14/2022 10:09:02 AM

PANEL '5-EQ2-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-211-1A	MISC	1,667	100		LTG	TELECOM RM LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	5-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
TOTAL V-A						1,767	1,717	1,667		5,150	VA			
TOTAL AMPS						15	14	14		14	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
DEMAND LOAD IN KVA:	0.13	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '5-N2-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-211-1B	MISC	1,667				SPARE	20	1	2	
	3	3	20	^^^	MISC		1,667	720	RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667	RECP	TR WEST RECP	20	1	6	
	7	2	45	5-ILI-1	MOTR	3,557				SPARE	20	1	8	
	9	2	45	^^	MOTR		3,557			SPARE	20	1	10	
	11	2	40	5-CU-1	MOTR			2,164		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,164				SPARE	20	1	14	
	15	1	20	SPARE						SPARE	20	1	16	
	17	1	20	SPARE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						7,388	5,944	4,551		17,882	VA			
TOTAL AMPS						62	50	38		50	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.44	11.44	1.78	5.00	0.00	0.00	0.00	17.9 KVA	50 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.44	11.44	1.78	5.00	0.00	0.00	0.00	17.9 KVA	50 A
DEMAND LOAD IN KVA:	0.00	1.44	11.44	1.78	5.00	0.00	0.00	0.00	19.7 KVA	55 A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA SOUTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '6-EQ1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-102-1A	MISC	1,667	100		LTG	TELECOM RM LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	6-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	20	SPARE						SPARE	20	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
TOTAL V-A						1,767	1,717	1,667		5,150	VA			
TOTAL AMPS						15	14	14		14	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
DEMAND LOAD IN KVA:	0.13	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '6-N1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-102-1B	MISC	1,667	180		RECP	EXTERIOR RECP 6-CU-1	20	1	2	
	3	3	20	^^^	MISC		1,667	720	RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667	RECP	TR WEST RECP	20	1	6	
	7	2	45	6-ILI-1	MOTR	3,557				SPARE	20	1	8	
	9	2	45	^^	MOTR		3,557			SPARE	20	1	10	
	11	2	40	6-CU-1	MOTR			2,132		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132				SPARE	20	1	14	
	15	1	20	SPARE						SPARE	20	1	16	
	17	1	20	SPARE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						7,536	5,944	4,519		17,998	VA			
TOTAL AMPS						63	50	38		50	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	18.0 KVA	50 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	18.0 KVA	50 A
DEMAND LOAD IN KVA:	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	19.8 KVA	55 A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA NORTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '7-EQ1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-110-1A	MISC	1,667	100		LTG	TELECOM RM 110 LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	7-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
TOTAL V-A						1,767	1,717	1,667		5,150	VA			
TOTAL AMPS						15	14	14		14	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A
DEMAND LOAD IN KVA:	0.13	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14 A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '7-N1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-110-1B	MISC	1,667	180		RECP	EXTERIOR RECP 7-CU-1	20	1	2	
	3	3	20	^^^	MISC		1,667	720	RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667	RECP	TR WEST RECP	20	1	6	
	7	2	45	7-ILI-1	MOTR	3,557				SPARE	20	1	8	
	9	2	45	^^	MOTR		3,557			SPARE	20	1	10	
	11	2	40	7-CU-1	MOTR			2,132		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132				SPARE	20	1	14	
	15	1	20	SPARE						SPARE	20	1	16	
	17	1	20	SPARE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						7,536	5,944	4,519		17,998	VA			
TOTAL AMPS						63	50	38		50	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	18.0 KVA	50 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	18.0 KVA	50 A
DEMAND LOAD IN KVA:	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	19.8 KVA	55 A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA NORTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 40TH JEREMY A. MAXIE EE-113847 3/25/22 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 6 & 7- PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: EK-109

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCAL\SM1121_ESERIES_BLDG 1_2D_Kopp\CSETM.rvt
3/14/2022 10:09:05 AM

PANEL '8-EQ1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-107-1A	MISC	1,667	100		LTG	TELECOM RM 107 LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	8-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
TOTAL V-A						1,767	1,717	1,667			5,150	VA		
TOTAL AMPS						15	14	14			14	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.10	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14	A
DEMAND LOAD IN KVA:	0.13	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14	A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '8-N1-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-107-1B	MISC	1,667	180		RECP	EXTERIOR RECP 8-CU-1	20	1	2	
	3	3	20	^^^	MISC		1,667	720	RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667	RECP	TR WEST RECP	20	1	6	
	7	2	45	8-IU-1	MOTR	3,557				SPARE	20	1	8	
	9	2	45	^^	MOTR		3,557			SPARE	20	1	10	
	11	2	40	8-CU-1	MOTR			2,132		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132				SPARE	20	1	14	
	15	1	20	SPARE						SPARE	20	1	16	
	17	1	20	SPARE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						7,536	5,944	4,519			17,998	VA		
TOTAL AMPS						63	50	38			50	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	18.0 KVA	50	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	18.0 KVA	50	A
DEMAND LOAD IN KVA:	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	19.8 KVA	55	A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA NORTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '11-EQB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-01-1A	MISC	1,667	150		LTG	TELECOM RM 001 LTG	20	1	2	
	3	3	20	^^^	MISC		1,667	50	MISC	11-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
TOTAL V-A						1,817	1,717	1,667			5,200	VA		
TOTAL AMPS						15	14	14			14	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.15	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.15	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	14	A
DEMAND LOAD IN KVA:	0.19	0.00	0.00	0.00	5.05	0.00	0.00	0.00	5.2 KVA	15	A

PANEL NOTES:
a FED FROM PANEL '2-EQDB-2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '11-NB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-01-1B	MISC	1,667	180		RECP	EXTERIOR RECP 11-CU-1	20	1	2	
	3	3	20	^^^	MISC		1,667	720	RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667	RECP	TR WEST RECP	20	1	6	
	7	2	45	11-IU-1	MOTR	3,557				SPARE	20	1	8	
	9	2	45	^^	MOTR		3,557			SPARE	20	1	10	
	11	2	40	11-CU-3	MOTR			2,132		SPARE	20	1	12	
	13	2	40	^^	MOTR	2,132				SPARE	20	1	14	
	15	1	20	SPARE						SPARE	20	1	16	
	17	1	20	SPARE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						7,536	5,944	4,519			17,998	VA		
TOTAL AMPS						63	50	38			50	A		

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS	
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	18.0 KVA	50	A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0	A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	18.0 KVA	50	A
DEMAND LOAD IN KVA:	0.00	1.62	11.38	1.78	5.00	0.00	0.00	0.00	19.8 KVA	55	A

PANEL NOTES:
a FED FROM DOM COMPLEX MAIN SWITCHBOARD NORMAL SECTION VIA NORTH BUS DUCT.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA 49TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 8 & 11 - PANEL SCHEDULES

APPROVED: Project Director

PHASE: 100% CD FINAL SOLUTION

FLS: FULLY SPRINKLERED

PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES

LOCATION: HOT SPRINGS, SOUTH DAKOTA

ISSUE DATE: 02/22/2022 | CHECKED BY: JAM | DRAWN BY: CSZ

PROJECT NUMBER: 568A4-21-702

BUILDING NUMBER: N/A

DRAWING NUMBER: EK-110

VA FORM 08 - 6231

3/14/2022 10:09:08 AM

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1 /20_ckopp\CSETM.rvt

PANEL 'BE-NT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-AB06-1B	MISC	3,333				SPARE	20	1	2	
	3	3	30	^^^	MISC		3,333			SPARE	20	1	4	
	5	3	30	^^^	MISC			3,333		SPARE	20	1	6	
	7	1	20	SPARE						SPARE	20	1	8	
	9	1	20	SPARE						SPARE	20	1	10	
	11	1	20	SPARE						SPARE	20	1	12	
	13	1	20	SPARE						SPARE	20	1	14	
	15	1	-	SPACE						SPARE	20	1	16	
	17	1	-	SPACE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
				TOTAL V-A		3,333	3,333	3,333		10,000 VA				
				TOTAL AMPS		28	28	28		28 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.0 KVA	28 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.0 KVA	28 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.0 KVA	28 A

PANEL NOTES:
a FED FROM PANEL '12-NDP2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

(E) PANEL 'BE-LS1'

MFR/MODEL: WESTINGHOUSE | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 150 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
b	**1**	**3**	**30**	**RK-AB06-1A**	**MISC**	**3,333**				SPARE	50	2	2	
b	**3**	**3**	**30**	**^^^**	**MISC**		**3,333**			^^	50	2	4	
b	**5**	**3**	**30**	**^^^**	**MISC**			**3,333**		SPARE	50	2	6	
a	7	1	20	RECP SOUTH WALL RM AB06	RECP	360				^^	50	2	8	
a	9	1	20	RECP SOUTH WALL RM AB06	RECP		360			SPARE	20	1	10	
a	11	1	20	RECP WEST WALL RM AB06	RECP			1,080		SPARE	20	1	12	
a	13	1	20	RECP WEST WALL RM AB06	RECP	1,080	240		MISC	TELEPHONE ALARM PANEL	20	1	14	a
a	15	1	20	RECP NORTH WALL RM AB06	RECP		360	360	RECP	RECP WEST WALL RM AB06	20	1	16	a
a	17	1	20	RECP NORTH WALL RM AB06	RECP			360		SPARE	20	1	18	
a	19	1	20	RECP EAST WALL RM AB06	RECP	720	360		RECP	RECP BELOW PANEL	20	1	20	a
a	21	1	20	RECP EAST WALL RM AB06	RECP		360			SPARE	20	1	22	
a	23	1	20	RECP RM AB04	RECP			1,080		SPARE	20	1	24	
a	25	2	20	208V RECP EAST WALL RM AB06	RECP	1,664	360		RECP	RECP WEST AND EAST WALL RM AB06	20	1	26	a
a	27	2	20	^^	RECP		1,664	2,496	MISC	TOP RECTIFIER UPS	30	2	28	a
	29	2	30	SPARE				2,496	MISC	^^	30	2	30	a
	31	2	30	^^		2,496			MISC	TOP RECTIFIER UPS	30	2	32	a
	33	1	-	SPACE			2,496		MISC	^^	30	2	34	a
	35	1	-	SPACE				2,496	MISC	TOP RECTIFIER UPS	30	2	36	a
	37	1	-	SPACE		2,496			MISC	^^	30	2	38	a
	39	1	-	SPACE						SPACE	-	1	40	
	41	1	-	SPACE						SPACE	-	1	42	
				TOTAL V-A		13,109	11,429	10,845		35,384 VA				
				TOTAL AMPS		109	95	90		98 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	10.17	0.00	0.00	25.22	0.00	0.00	0.00	35.4 KVA	98 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	10.17	0.00	0.00	25.22	0.00	0.00	0.00	35.4 KVA	98 A
DEMAND LOAD IN KVA:	0.00	10.08	0.00	0.00	25.22	0.00	0.00	0.00	35.3 KVA	98 A

PANEL NOTES:
a LOAD SHOWN IS BASED ON LOAD SERVED.
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL 'GE-EQT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-A038-1A	MISC	1,667 100			LTG	TELECOM RM A038 LTG	20	1	2	
	3	3	20	^^^	MISC		1,667			SPARE	20	1	4	
	5	3	20	^^^	MISC			1,667		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		1,767	1,667	1,667		5,100 VA				
				TOTAL AMPS		15	14	14		14 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.1 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.10	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.1 KVA	14 A
DEMAND LOAD IN KVA:	0.13	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.1 KVA	14 A

PANEL NOTES:
a FED FROM PANEL '12-EQDP'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL 'GE-NT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-A038-1B	MISC	1,667				SPARE	20	1	2	
	3	3	20	^^^	MISC		1,667 720		RECP	TR EAST RECP	20	1	4	
	5	3	20	^^^	MISC			1,667 720	RECP	TR WEST RECP	20	1	6	
	7	3	50	12-IU-2	MOTR	4,512 180			RECP	EXTERIOR RECP 12-CU-2	20	1	8	
	9	3	50	^^^	MOTR		4,512			SPARE	20	1	10	
	11	3	50	^^^	MOTR			4,512		SPARE	20	1	12	
	13	3	15	12-CU-2	MOTR	360				SPARE	20	1	14	
	15	3	15	^^^	MOTR		360			SPARE	20	1	16	
	17	3	15	^^^	MOTR			360		SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
				TOTAL V-A		6,719	7,259	7,259		21,236 VA				
				TOTAL AMPS		56	60	60		59 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	14.62	3.38	5.00	0.00	0.00	0.00	21.2 KVA	59 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	14.62	3.38	5.00	0.00	0.00	0.00	21.2 KVA	59 A
DEMAND LOAD IN KVA:	0.00	1.62	14.62	3.38	5.00	0.00	0.00	0.00	24.6 KVA	68 A

PANEL NOTES:
a FED FROM PANEL '12-NDP2'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL 'GN-EQT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	20	RK-C004-1A	MISC	1,667 100			LTG	TR C004 LTG	20	1	2	
	3	3	20	^^^	MISC		1,667 50		MISC	12-DDC-1	15	1	4	
	5	3	20	^^^	MISC			1,667 150	LTG	TR D003.A LTG	20	1	6	
	7	3	20	RK-D003.A-1A	MISC	1,667 50			MISC	12-DDC-2	15	1	8	
	9	3	20	^^^	MISC	-	1,667			SPACE	-	1	10	
	11	3	20	^^^	MISC			1,667		SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
				TOTAL V-A		3,483	3,383	3,483		10,350 VA				
				TOTAL AMPS		29	28	29		29 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.25	0.00	0.00	0.00	10.10	0.00	0.00	0.00	10.4 KVA	29 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.25	0.00	0.00	0.00	10.10	0.00	0.00	0.00	10.4 KVA	29 A
DEMAND LOAD IN KVA:	0.31	0.00	0.00	0.00	10.10	0.00	0.00	0.00	10.4 KVA	29 A

PANEL NOTES:
a FED FROM PANEL '12-EQDP'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL 'GN-NT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-C004-1B	MISC	1,667 180			RECP	EXTERIOR RECP 12-CU-4	20	1	2	
	3	3	30	^^^	MISC		1,667 720		RECP	TR COO4 EAST RECP	20	1	4	
	5	3	30	^^^	MISC			1,667 360	RECP	TR C004 WEST RECP	20	1	6	
	7	2	45	12-IU-3	MOTR	3,557 180			RECP	EXTERIOR RECP 12-CU-3	20	1	8	
	9	2	45	^^	MOTR		3,557 1,667		MISC	RK-D003.A-1B	30	3	10	
	11	2	40	12-CU-3	MOTR			2,132 1,667	MISC	^^^	30	3	12	
	13	2	40	^^	MOTR	2,132 1,667			MISC	^^^	30	3	14	
	15	2	45	12-IU-4	MOTR		3,557 720		RECP	TR D003.A WEST RECP	20	1	16	
	17	2	45	^^	MOTR			3,557 2,132	MOTR	12-CU-4	40	2	18	
	19	1	20	TR D003.A EAST RECP	RECP	720 2,132			MOTR	^^	40	2	20	
	21	1	20	SPARE						SPARE	20	1	22	
	23	1	20	SPARE						SPARE	-	1	24	
	25	1	20	SPARE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
				TOTAL V-A		12,234	11,887	11,514		35,636 VA				
				TOTAL AMPS		102	99	96		99 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	2.88	22.76	1.78	10.00	0.00	0.00	0.00	35.6 KVA	99 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	2.88	22.76	1.78	10.00	0.00	0.00	0.00	35.6 KVA	99 A
DEMAND LOAD IN KVA:	0.00	2.88	22.76	1.78	10.00	0.00	0.00	0.00	37.4 KVA	104 A

PANEL NOTES:
a FED FROM BUILDING 12 MAIN SWITCHGEAR - NORMAL POWER SECTION.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

Revisions:	Date:

CONSULTANT
A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD
RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP
STATE OF ALASKA 49TH JEREMY A. MAXIE CE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 12 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: EK-111
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

VA FORM 08 - 6231

3/14/2022 10:09:11 AM

C:\Users\Caleb.Kopp\Documents\REVIT 2020\ LOCALSAM121_ESERIES_BLDG 1_r20_ckopp\CGETM.rvt

PANEL '1E-EQT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-A119-1A	MISC	3,333 / 150			LTG	TELECOM RM A119 LTG	20	1	2	
	3	3	30	^^^	MISC		3,333 /			SPARE	20	1	4	
	5	3	30	^^^	MISC			3,333 /		SPARE	20	1	6	
	7	1	-	SPACE		/				SPACE	-	1	8	
	9	1	-	SPACE			/			SPACE	-	1	10	
	11	1	-	SPACE				/		SPACE	-	1	12	
	13	1	-	SPACE		/				SPACE	-	1	14	
	15	1	-	SPACE			/			SPACE	-	1	16	
	17	1	-	SPACE				/		SPACE	-	1	18	
	19	1	-	SPACE		/				SPACE	-	1	20	
TOTAL V-A						3,483	3,333	3,333			10,150 VA			
TOTAL AMPS						29	28	28			28 A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.15	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.2 KVA	28 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.15	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.2 KVA	28 A
DEMAND LOAD IN KVA:	0.19	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.2 KVA	28 A

PANEL NOTES:
a FED FROM PANEL '12-EQDP'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '1E-NT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-A119-1B	MISC	3,333 /				SPARE	20	1	2	
	3	3	30	^^^	MISC		3,333 / 720		RECP	TR EAST RECP	20	1	4	
	5	3	30	^^^	MISC			3,333 / 720	RECP	TR WEST RECP	20	1	6	
	7	3	50	12-IU-6	MOTR	4,512 / 180			RECP	EXTERIOR RECP 12-CU-6	20	1	8	
	9	3	50	^^^	MOTR		4,512 /			SPARE	20	1	10	
	11	3	50	^^^	MOTR			4,512 /		SPARE	20	1	12	
	13	3	15	12-CU-6	MOTR	360 /				SPARE	20	1	14	
	15	3	15	^^^	MOTR		360 /			SPARE	20	1	16	
	17	3	15	^^^	MOTR			360 /		SPARE	20	1	18	
	19	1	-	SPACE		/				SPACE	-	1	20	
	21	1	-	SPACE			/			SPACE	-	1	22	
	23	1	-	SPACE				/		SPACE	-	1	24	
	25	1	-	SPACE		/				SPACE	-	1	26	
	27	1	-	SPACE			/			SPACE	-	1	28	
	29	1	-	SPACE				/		SPACE	-	1	30	
TOTAL V-A						8,385	8,925	8,925			26,236 VA			
TOTAL AMPS						70	74	74			73 A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	14.62	3.38	10.00	0.00	0.00	0.00	26.2 KVA	73 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	14.62	3.38	10.00	0.00	0.00	0.00	26.2 KVA	73 A
DEMAND LOAD IN KVA:	0.00	1.62	14.62	3.38	10.00	0.00	0.00	0.00	29.6 KVA	82 A

PANEL NOTES:
a FED FROM PANEL '12-NDPZ'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '1N-EQT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-C105-1A	MISC	3,333 / 138			LTG	TR C106D, RM C106C LTG	20	1	2	
	3	3	30	^^^	MISC		3,333 /			SPARE	20	1	4	
	5	3	30	^^^	MISC			3,333 /		SPARE	20	1	6	
	7	3	60	PANEL '53-EQB-T1'	FEDR	3,383 /				SPACE	-	1	8	
	9	3	60	^^^	FEDR		3,573 /			SPACE	-	1	10	
	11	3	60	^^^	FEDR			3,333 /		SPACE	-	1	12	
	13	1	-	SPACE		/				SPACE	-	1	14	
	15	1	-	SPACE			/			SPACE	-	1	16	
	17	1	-	SPACE				/		SPACE	-	1	18	
	19	1	-	SPACE		/				SPACE	-	1	20	
TOTAL V-A						6,855	6,907	6,667			20,428 VA			
TOTAL AMPS						57	58	56			57 A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.14	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.1 KVA	28 A
CONNECTED LOAD IN KVA (BRANCH PANELS):	0.24	0.00	0.00	0.00	10.05	0.00	0.00	0.00	10.3 KVA	29 A
TOTAL CONNECTED LOAD IN KVA:	0.38	0.00	0.00	0.00	20.05	0.00	0.00	0.00	20.4 KVA	57 A
DEMAND LOAD IN KVA:	0.47	0.00	0.00	0.00	20.05	0.00	0.00	0.00	20.5 KVA	57 A

PANEL NOTES:
a FED FROM PANEL '12-EQDP'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL 1N-NT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-C105-1B	MISC	3,333 /				SPARE	20	1	2	
	3	3	30	^^^	MISC		3,333 / 720		RECP	TR EAST RECP	20	1	4	
	5	3	30	^^^	MISC			3,333 / 720	RECP	TR WEST RECP	20	1	6	
	7	1	20	SPARE		/ 5,136			MOTR	12-IU-5	60	3	8	
	9	1	20	SPARE			/ 5,136		MOTR	^^^	60	3	10	
	11	1	20	SPARE				/ 5,132	MOTR	^^^	60	3	12	
	13	1	20	SPARE		/ 2,808			MOTR	12-CU-5	45	3	14	
	15	1	20	SPARE			/ 2,808		MOTR	^^^	45	3	16	
	17	1	20	SPARE				/ 2,808	MOTR	^^^	45	3	18	
	19	1	20	EXTERIOR RECP	RECP	180 /				SPARE	20	1	20	
	21	1	-	SPACE			/			SPARE	20	1	22	
	23	1	-	SPACE				/		SPARE	20	1	24	
	25	1	-	SPACE		/				SPACE	-	1	26	
	27	1	-	SPACE			/			SPACE	-	1	28	
	29	1	-	SPACE				/		SPACE	-	1	30	
TOTAL V-A						11,457	11,997	11,993			35,447 VA			
TOTAL AMPS						95	100	100			98 A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	35.4 KVA	98 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	35.4 KVA	98 A
DEMAND LOAD IN KVA:	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	39.3 KVA	109 A

PANEL NOTES:
a FED FROM BUILDING 12 MAIN SWITCHGEAR - NORMAL POWER SECTION.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '2N-EQT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-C208-1A	MISC	3,333 / 100			LTG	TELECOM RM C208 LTG	20	1	2	
	3	3	30	^^^	MISC		3,333 /			SPARE	20	1	4	
	5	3	30	^^^	MISC			3,333 /		SPARE	20	1	6	
	7	1	-	SPACE		/				SPACE	-	1	8	
	9	1	-	SPACE			/			SPACE	-	1	10	
	11	1	-	SPACE				/		SPACE	-	1	12	
	13	1	-	SPACE		/				SPACE	-	1	14	
	15	1	-	SPACE			/			SPACE	-	1	16	
	17	1	-	SPACE				/		SPACE	-	1	18	
	19	1	-	SPACE		/				SPACE	-	1	20	
TOTAL V-A						3,433	3,333	3,333			10,100 VA			
TOTAL AMPS						29	28	28			28 A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.1 KVA	28 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.10	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.1 KVA	28 A
DEMAND LOAD IN KVA:	0.13	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.1 KVA	28 A

PANEL NOTES:
a FED FROM PANEL '12-EQDP'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '2N-NT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-C208-1B	MISC	3,333 /				SPARE	20	1	2	
	3	3	30	^^^	MISC		3,333 / 720		RECP	TR EAST RECP	20	1	4	
	5	3	30	^^^	MISC			3,333 / 720	RECP	TR WEST RECP	20	1	6	
	7	3	90	12-IU-7	MOTR	8,100 /				SPARE	20	1	8	
	9	3	90	^^^	MOTR		8,100 /			SPARE	20	1	10	
	11	3	90	^^^	MOTR			8,100 /		SPARE	20	1	12	
	13	3	15	12-CU-7	MOTR	360 /				SPARE	20	1	14	
	15	3	15	^^^	MOTR		360 /			SPARE	20	1	16	
	17	3	15	^^^	MOTR			360 /		SPARE	20	1	18	
	19	1	-	SPACE		/				SPACE	-	1	20	
	21	1	-	SPACE			/			SPACE	-	1	22	
	23	1	-	SPACE				/		SPACE	-	1	24	
	25	1	-	SPACE		/				SPACE	-	1	26	
	27	1	-	SPACE			/			SPACE	-	1	28	
	29	1	-	SPACE				/		SPACE	-	1	30	
TOTAL V-A						11,793	12,513	12,513			36,820 VA			
TOTAL AMPS						98	104	104			102 A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.44	25.38	6.08	10.00	0.00	0.00	0.00	36.8 KVA	102 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.44	25.38	6.08	10.00	0.00	0.00	0.00	36.8 KVA	102 A
DEMAND LOAD IN KVA:	0.00	1.44	25.38	6.08	10.00	0.00	0.00	0.00	42.9 KVA	119 A

PANEL NOTES:
a FED FROM BUILDING 12 MAIN SWITCHGEAR - NORMAL POWER SECTION.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — JEREMY A. MAXIE — CE-113847 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 12 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: EK-112
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_ckopp\QDETM.rvt
3/14/2022 10:09:14 AM
VA FORM 08 - 6231

PANEL '3N-EQT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-B302-1A	MISC	3,333 / 176			LTG	TELECOM RM B303 LTG	20	1	2	
	3	3	30	^^^	MISC		3,333			SPARE	20	1	4	
	5	3	30	^^^	MISC			3,333		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
TOTAL V-A						3,509	3,333	3,333		10,176 VA				
TOTAL AMPS						29	28	28		28 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.18	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.2 KVA	28 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.18	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.2 KVA	28 A
DEMAND LOAD IN KVA:	0.22	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.2 KVA	28 A

PANEL NOTES:
a FED FROM PANEL '12-EQDP'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '3N-NT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-B302-1B	MISC	3,333				SPARE	20	1	2	
	3	3	30	^^^	MISC		3,333 / 720		RECP	TR EAST RECP	20	1	4	
	5	3	30	^^^	MISC			3,333 / 720	RECP	TR WEST RECP	20	1	6	
	7	3	60	12-IU-8	MOTR	5,136 / 720			RECP	RECP - OFFIC 304	20	1	8	
	9	3	60	^^^	MOTR		5,136			SPARE	20	1	10	
	11	3	60	^^^	MOTR			5,136		SPARE	20	1	12	
	13	3	45	12-CU-8	MOTR	2,808				SPARE	20	1	14	
	15	3	45	^^^	MOTR		2,808			SPARE	20	1	16	
	17	3	45	^^^	MOTR			2,808		SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						11,997	11,997	11,997		35,992 VA				
TOTAL AMPS						100	100	100		100 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	2.16	23.83	3.85	10.00	0.00	0.00	0.00	36.0 KVA	100 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	2.16	23.83	3.85	10.00	0.00	0.00	0.00	36.0 KVA	100 A
DEMAND LOAD IN KVA:	0.00	2.16	23.83	3.85	10.00	0.00	0.00	0.00	39.8 KVA	111 A

PANEL NOTES:
a FED FROM BUILDING 12 MAIN SWITCHGEAR - NORMAL POWER SECTION.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '4E-EQT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-404C-1A	MISC	3,333 / 100			LTG	TELECOM RM 404C LTG	20	1	2	
	3	3	30	^^^	MISC		3,333			SPARE	20	1	4	
	5	3	30	^^^	MISC			3,333		SPARE	20	1	6	
	7	1	-	SPACE						SPACE	-	1	8	
	9	1	-	SPACE						SPACE	-	1	10	
	11	1	-	SPACE						SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
TOTAL V-A						3,433	3,333	3,333		10,100 VA				
TOTAL AMPS						29	28	28		28 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.1 KVA	28 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.10	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.1 KVA	28 A
DEMAND LOAD IN KVA:	0.13	0.00	0.00	0.00	10.00	0.00	0.00	0.00	10.1 KVA	28 A

PANEL NOTES:
a FED FROM PANEL '12-EQDP'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '4N-NT1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-404C-1B	MISC	3,333				SPARE	20	1	2	
	3	3	30	^^^	MISC		3,333 / 720		RECP	TR EAST RECP	20	1	4	
	5	3	30	^^^	MISC			3,333 / 720	RECP	TR WEST RECP	20	1	6	
	7	3	90	12-IU-9	MOTR	8,100 / 180			RECP	EXTERIOR RECP 12-CU-9	20	1	8	
	9	3	90	^^^	MOTR		8,100			SPARE	20	1	10	
	11	3	90	^^^	MOTR			8,100		SPARE	20	1	12	
	13	3	15	12-CU-9	MOTR	360				SPARE	20	1	14	
	15	3	15	^^^	MOTR		360			SPARE	20	1	16	
	17	3	15	^^^	MOTR			360		SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						11,973	12,513	12,513		37,000 VA				
TOTAL AMPS						100	104	104		103 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	25.38	6.08	10.00	0.00	0.00	0.00	37.0 KVA	103 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	25.38	6.08	10.00	0.00	0.00	0.00	37.0 KVA	103 A
DEMAND LOAD IN KVA:	0.00	1.62	25.38	6.08	10.00	0.00	0.00	0.00	43.1 KVA	120 A

PANEL NOTES:
a FED FROM BUILDING 12 MAIN SWITCHGEAR - NORMAL POWER SECTION.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

PANEL '12-NDP3'

MFR/MODEL:SQUARE 'D' TYPE I-LINE | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 1200 A

VOLT-AMPS | MTG: SURFACE

NOTE	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	NOTE
	3	*	BLDG 12 GN,1N,2N,3N,4N TR FEEDER	FEDR	59,455 / 15,104			FEDR	BLDG 12 GE,1E TR FEEDER	*	3	
	3	*	^^^	FEDR		60,908 / 16,184		FEDR	^^^	*	3	
	3	*	^^^	FEDR			60,531 / 16,184	FEDR	^^^	*	3	
	3	*	PANEL 'BE-NT1' FEEDER	FEDR	3,333							
	3	*	^^^	FEDR		3,333						
	3	*	^^^	FEDR			3,333					
TOTAL V-A					77,893	80,426	80,049		238,367 VA			
TOTAL AMPS					649	670	667		662 A			

AIC RATING: 20,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0 KVA	0
CONNECTED LOAD IN KVA (BRANCH PANELS):	0.00	12.96	150.41	6.08	75.00	0.00	0.00	0.00	238.4 KVA	679
TOTAL CONNECTED LOAD IN KVA:	0.00	12.96	150.41	6.08	75.00	0.00	0.00	0.00	238.4 KVA	662
DEMAND LOAD IN KVA:	0.00	11.48	150.41	6.08	75.00	0.00	0.00	0.00	243.0 KVA	674

PANEL NOTES:

* SEE ONE-LINE DIAGRAM 1/EK-103

PANEL OPTIONS:
MAIN LUGS ONLY

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — 3/31/2022 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 12 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	DRAWING NUMBER: EK-113

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG_1_20_Jakopp2QETM.rvt

3/14/2022 10:09:17 AM

EXISTING PANEL '14-N1-1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 200 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	DED CIRC. ASSISTANT OFFICE						LTG MAIN ROOM	20	1	2	a
a	3	1	20	LTG CHIEF & ASSISTANT						RESTROOM	20	1	4	a
a	5	1	20	RECP CHIEF & ASSISTANT						RECP SOUTH & EAST WALL	20	1	6	a
a	7	1	20	RECP SHORT WALL						RECP SOUTH & WEST	20	1	8	a
a	9	1	20	RECP CONTRACT OFFICE						LTG CRAWL SPACE	20	1	10	a
a	11	1	20	GAS PUMP						MAIN FLOOR RECP	20	1	12	a
a	13	1	20	GREASE HOUSE						FA-14 FIRE ALARM PANEL	20	1	14	a
a	15	1	20	FLOOR RECP ASSISTANT OFFICE						SPARE	20	1	16	
d	**17**	**1**	**20**	**EXTERIOR RECP 14-CU-1, 14-DDC-1**	**MISC**			**590**		A/C OUTSIDE UNIT	50	3	18	a
a	19	2	60	A/C						^^^	50	3	20	a
a	21	2	60	^^						^^^	50	3	22	a
a	23	1	20	LTG MAIN OFFICE						RECP EXTERIOR	20	1	24	a
a	25	1	20	RECP EXTERIOR						RECP CHIEF & ASSISTANT	20	1	26	a
a	27	1	20	PAINT STORAGE BLDG						SPARE	20	1	28	
a	29	1	20	UNKNOWN						OFFICE RECP	20	1	30	a
a,c	31	1	20	A/C AIR HANDLER						PANEL 14-N2-1	100	3	32	a
a,c	33	2	30	HOT WATER HEATER						^^^	100	3	34	a
a,c	35	2	30	^^						^^^	100	3	36	a
d	**37**	**1**	**20**	**RK-105-1A**	**MISC**	**1,920**				METER (LIGHTS)	20	3	38	a
	39	-		SPACE						^^^	20	3	40	a
	41	-		SPACE						^^^	20	3	42	a
				TOTAL V-A		1,920	0	590		2,510 VA				
				TOTAL AMPS		16	0	5		7 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00	2.5 KVA	7 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00	2.5 KVA	7 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00	2.5 KVA	7 A

PANEL NOTES:
- a EXISTING LOAD
- b BUS HOLE STRIPPED
- c EXISTING LOAD SHIFTED UP.
- d INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING PANEL '17-N1-2'

MFR/MODEL: EATON PRL1a PANEL BOARD | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	90	SPARE						AIR COMPRESSOR	20	3	2	a
	3	3	90	^^^						^^^	20	3	4	a
	5	3	90	^^^						^^^	20	3	6	a
a	7	1	20	BENCH GRINDER						SHOP MACHINERY	20	3	8	a
a	9	1	15	SPRINKLER						^^^	20	3	10	a
a	11	1	15	RECP RECP						^^^	20	3	12	a
a	13	3	100	GREENHOUSE						SHOP MACHINERY	20	2	14	a
a	15	3	100	^^^						^^	20	2	16	a
a	17	3	100	^^^						RECO NORTH LARGE BAY	15	1	18	a
a	19	1	20	GREENHOUSE						RECP LARGE BAY	20	1	20	a
a	21	1	20	LTG UPSTAIRS						SPARE	20	1	22	
a	23	3	20	LTG STREET						SMOKE ELIMINATOR	25	3	24	a
a	25	3	20	^^^						^^^	25	3	26	a
a	27	3	20	^^^						^^^	25	3	28	a
a	29	1	20	FIRE ALARM						**GARAGE DOOR**	**20**	**1**	**30**	**c,d**
	31	2	15	SPARE						**GARAGE DOOR**	**20**	**1**	**32**	**c,d**
	33	2	15	^^						**GARAGE DOOR**	**20**	**1**	**34**	**c,d**
a	35	1	15	RECP NORTH						SPARE BAY RECP FOR WINCH CENTER	20	1	36	b
d	**37**	**1**	**20**	**RK-101-1B**	**MISC**	**1,920**				SPACE	-	1	38	
d	**39**	**1**	**20**	**TELECOM CAB RECP**	**RECP**		**360**			SPACE	-	1	40	
	41	1	-	SPACE						SPACE	-	1	42	
	43	1	-	SPACE						SPACE	-	1	44	
	45	1	-	SPACE						SPACE	-	1	46	
	47	1	-	SPACE						SPACE	-	1	48	
	49	1	-	SPACE						SPACE	-	1	50	
	51	1	-	SPACE						SPACE	-	1	52	
	53	1	-	SPACE						SPACE	-	1	54	
	55	1	-	SPACE						SPACE	-	1	56	
	57	1	-	SPACE						SPACE	-	1	58	
	59	1	-	SPACE						SPACE	-	1	60	
	61	1	-	SPACE						SPACE	-	1	62	
	63	1	-	SPACE						SPACE	-	1	64	
	65	1	-	SPACE						SPACE	-	1	66	
	67	1	-	SPACE						SPACE	-	1	68	
	69	1	-	SPACE						SPACE	-	1	70	
	71	1	-	SPACE						SPACE	-	1	72	
				TOTAL V-A		1,920	360	0		2,280 VA				
				TOTAL AMPS		16	3	0		6 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.36	0.00	0.00	1.92	0.00	0.00	0.00	2.3 KVA	6 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.36	0.00	0.00	1.92	0.00	0.00	0.00	2.3 KVA	6 A
DEMAND LOAD IN KVA:	0.00	0.36	0.00	0.00	1.92	0.00	0.00	0.00	2.3 KVA	6 A

PANEL NOTES:
- a EXISTING LOAD
- b FIELD VERIFY IF CIRCUIT IS UNDER LOAD OR SPARE
- c EXISTING LOAD MOVED FROM PANEL 17-N1-1
- d INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING PANEL '14-N2-1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 100 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	ATTIC EXHAUST FAN & LIGHTS						LTG WEST OFFICE	20	1	2	a
a	3	1	20	FAN RECP BEHIND A/C UNIT						LTG, RECP - BATHROOM & STAIR LTG	20	1	4	a
a	5	1	20	RECP WEST OFFICE WEST WALL						SPARE	15	1	6	
a	7	1	20	RECP WEST OFFICE EAST WALL						LTG UTILITY CLOSET & NW OFFICE	20	1	8	a
a	9	1	20	FAN RECP WEST OFFICES						RECP NORTH MIDDLE OFFICE	20	1	10	a
a	11	1	20	RECP WEST MIDDLE & WEST WALL						LTG NORTH & NE MIDDLE OFFICE	20	1	12	a
a	13	1	20	RECP NW & WEST OFFICES						LTG EAST OFFICE & HALL	20	1	14	a
b	**15**	**3**	**20**	**RK-105-1B**	**MISC**		**1,667**			RECP EAST OFFICE WEST WALL	20	1	16	a
b	**17**	**3**	**20**	**^^^**	**MISC**			**1,667**		LTG WEST MIDDLE OFFICE	20	1	18	a
b	**19**	**3**	**20**	**^^^**	**MISC**	**1,667**				SPARE	20	1	20	
b	**21**	**1**	**20**	**TELECOM RM LTG**	**LTG**		**50**			FAN RECP EAST OFFICE	20	1	22	a
b	**23**	**2**	**45**	**14-IU-1**	**MOTR**			**3,557**		RECP WATER COOLER & STAIRWAY	20	1	24	a
b	**25**	**2**	**45**	**^^**	**MOTR**	**3,557**				SPARE	20	1	26	
b	**27**	**2**	**40**	**14-CU-1**	**MOTR**		**2,132**			A/C UNIT	20	2	28	a
b	**29**	**2**	**40**	**^^**	**MOTR**			**2,132**		^^	20	2	30	a
	31	1	20	SPARE						MAIN BREAKER	100	3	32	a
	33	1	20	SPARE						^^^	100	3	34	a
	35	1	20	SPARE						^^^	100	3	36	a
				TOTAL V-A		5,224	3,849	7,356		16,428 VA				
				TOTAL AMPS		44	32	61		46 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.05	0.00	11.38	1.78	5.00	0.00	0.00	0.00	16.4 KVA	46 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.05	0.00	11.38	1.78	5.00	0.00	0.00	0.00	16.4 KVA	46 A
DEMAND LOAD IN KVA:	0.06	0.00	11.38	1.78	5.00	0.00	0.00	0.00	18.2 KVA	51 A

PANEL NOTES:
- a EXISTING LOAD
- b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING PANEL '17-N1-1'

MFR/MODEL: EATON PRL3a PANEL BOARD | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 400 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	2	30	RECP SHOP						HEATER FAN	20	1	2	a
a	3	2	30	^^						LTG BIG BAY	20	1	4	a
a	5	3	70	WELDER						RECP N.W, VALV, LTG OUTSIDE	20	1	6	a
a	7	3	70	^^^						LTG CARWASH	20	1	8	a
a	9	3	70	^^^						LTG BASEMENT	20	1	10	a
a	11	3	60	WELDER						RECP BASEMENT	20	1	12	a
a	13	3	60	^^^						LTG BENCH	20	1	14	a
a	15	3	60	^^^						LTG SMALL REPAIR	20	1	16	a
a	17	1	30	BATH, LOCKER ROOMS						RECP SMALL BAY	20	1	18	a
a	19	1	20	OFFICE		**1,920**			**MISC**	**RK-101-1A**	**20**	**1**	**20**	**c**
a	21	1	15	LTG SMALL REPAIR						**SPARE**	**20**	**1**	**22**	**c**
	23	1	-	SPACE						**SPARE**	**20**	**1**	**24**	**c**
a,b	25	3	*	PNL-P1 SUB						N/A	20	1	26	
a,b	27	3	*	^^^						N/A	20	1	28	
a,b	29	3	*	^^^						N/A	20	1	30	
				TOTAL V-A		1,920	0	0		1,920 VA				
				TOTAL AMPS		16	0	0		5 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A

PANEL NOTES:
- a EXISTING LOAD
- b 200A SUB-FEED BREAKER
- c INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)

EXISTING PANEL '18-NB-5'

MFR/MODEL: GENERAL ELECTRIC NLAB | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	BUG LTG, RESTROOM, SALT ROOM LTG						30A, 208V, 3Ø RECP	30	3	2	a
a	3	1	20	UNIT HEATER						^^^	30	3	4	a
a	5	1	20	EM LTG, PUMP & CHLORINE LTG, WEST RECP						^^^	30	3	6	a
a	7	1	20	WATER COOLER						RECP BY CHLORINE	20	1	8	a
a	9	1	20	RECP EAST WALL						RECP BELOW PUMPS	20	1	10	a
a	11	1	20	UNIT HEATER						SPARE	20	1	12	
a	13	1	20	RECP SALT TANK						WATER HEATER	30	2	14	a
a	15	1	20	LTG WELL						^^	30	2	16	a
a	17	1	20	UNIT HEATER						RECP NORTH EXT WALL	20	1	18	a
a	19	1	20	WATER SOFTENER AND PUMPS						RECP NORTH EXT WALL	20	1	20	a
	21	1	20	SPARE						RECP NORT EXT WALL	20	1	22	a
a	23	1	20	RECP NORTH EXT, DOOR SENSOR, TP BELL						SPARE	20	1	24	
b	**25**	**1**	**25**	**18-CU-1**	**MOTR**	**1,487**				RECP NORT EXT WALL	20	1	26	a
b	**27**	**1**	**25**	**^^**	**MOTR**		**1,487**	**360**	**RECP**	**TELECOM CABINET RECP**	**20**	**1**	**28**	**b**
a	29	1	20	HARDNESS MONITOR				**50**	**MISC**	**18-DDC-1**	**20**	**1**	**30**	**b**
b	**31**	**1**	**25**	**18-CU-2**	**MOTR**	**52**				SANIKILL-TEC WATER TREATMENT	20	1	32	a
b	**33**	**2**	**25**	**^^**	**MOTR**		**52**	**3,557**	**MOTR**	**18-IU-1**	**45**	**2**	**34**	**b**
b	**35**	**1**	**20**	**RK-002-1A**	**MISC**			**1,920**	**3,557**	**MOTR**	**^^**	**45**	**2**	**36**	**b**
b	**37**	**1**	**20**	**EXTERIOR RECP 18-CU-1,2**	**RECP**	**180**	**141**		**MOTR**	**18-IU-2**	**15**	**2**	**38**	**b**
	39	1	20	SPARE			**141**		**MOTR**	**^^**	**15**	**2**	**40**	**b**
	41	1	20	SPARE						SPARE	20	1	42	
				TOTAL V-A		1,860	5,597	5,527		12,984 VA				
				TOTAL AMPS		16	47	46		36 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.54	10.42	1.78	1.97	0.00	0.00	0.00	12.9 KVA	36 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.54	10.42	1.78	1.97	0.00	0.00	0.00	12.9 KVA	36 A
DEMAND LOAD IN KVA:	0.00	0.54	10.42	1.78	1.97	0.00	0.00	0.00	14.7 KVA	41 A

PANEL NOTES:
- a EXISTING LOAD
- b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

Revisions:	Date:

CONSULTANT
A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD
RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP
STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
BUILDING 14, 17 & 18 - PANEL SCHEDULES	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	DRAWING NUMBER: EK-114

VA FORM 08 - 6231

C:\Users\Celto\Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_R0_deppGCSETM.rvt

3/14/2022 10:09:20 AM

EXISTING PANEL '18-NB-4'

MFR/MODEL: GENERAL ELECTRIC NLAB | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

TYPE: VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	3	50	BOILER 4 STARTER PANEL						RECP UNDER THIS PANEL	20	1	2	a
a	3	3	50	^^^						CONTROL POWER BOILER 4, P-1,2	20	1	4	a
a	5	3	50	^^^						THREADER RECP	20	1	6	a
a	7	3	20	BOILER FEED PUMPS P-1, P-2						LARGE CHOP SAW	30	3	8	a
a	9	3	20	^^^						^^^	30	3	10	a
a	11	3	20	^^^						^^^	30	3	12	a
b	**13**	**1**	**20**	**RK-002-1B**	**MISC**	**1,920**				BOILER #1 FUEL PUMP	20	2	14	a
	15	1	20	SPARE						^^	20	2	16	a
	17	1	-	SPACE						BOILER #2 FUEL PUMP	20	3	18	a
	19	1	-	SPACE						^^^	20	3	20	a
	21	1	-	SPACE						^^^	20	3	22	a
	23	1	-	SPACE							-	1	24	
	25	1	-	SPACE							-	1	26	
	27	1	-	SPACE							-	1	28	
	29	1	-	SPACE							-	1	30	
				TOTAL V-A		1,920	0	0		1,920 VA				
				TOTAL AMPS		16	0	0		5 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A

PANEL NOTES:
- a EXISTING LOAD
- b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

EXISTING DISTRIBUTION PANEL '20'

MFR/MODEL: WESTINGHOUSE TYP 'CDP' | VOLTS: 120/240V,1PH,3W | ENCLOSURE: NEMA 1 | 300 A

MTG SPACE: AS REQUIRED | VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a,c	1	2	*	MAIN BLDG 20		**2,280**		**FEDR**	**PANEL 20-LB-T1**	*	**2**	**2**	**e**
a,c	3	2	*	^^			**0**	**FEDR**	**^^**	*	**2**	**4**	**e**
a,c	5	-	-	N/A					SPACE	-	1	6	
a,c	7	-	-	N/A					SPACE	-	1	8	
a,c	9	-	-	N/A					SPACE	-	1	10	
a,c	11	-	-	N/A					SPACE	-	1	12	
a,b	13	2	*	PANEL 20-LB1					BLDG 21	*	1	14	a,b
a,b	15	2	*	^^					^^^	*	1	16	a,b
a,b	17	-	*	N/A					^^^	*	1	18	a,b
a,d	19	3	*	TEMP TO TRAILER					PANEL 20-LB2	*	2	20	a,d
a,d	21	3	*	^^^					^^	*	2	22	a,d
a,d	23	3	*	^^^					N/A	-	-	24	a,d

PANEL NOTES: A.I.C. RATING: 22,000
- a EXISTING LOAD
- b BREAKER SIZE UNDIDENTIFIABLE
- c EXISTING 300A BREAKER
- d EXISTING 250A BREAKER
- e INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING TO MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

EXISTING PANEL '23-NB-1'

MFR/MODEL: SQUARE 'D' TYPE NQOD | VOLTS: 120/240V,1PH,3W | ENCLOSURE: NEMA 1 | 100 A

TYPE: PANELBOARD | VOLT-AMPS | MTG: RECESSED

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	2	60	PANEL 23-N1-1					PANEL 23-N2-1	60	2	2	a
a	3	2	60	^^					^^	60	2	4	a
a	5	1	30	WATER HEATER					DRYER	30	2	6	a
a	7	1	30	^^					^^	30	2	8	a
a	9	1	20	STREET LTG					VANITY AND BATH LTG UPSTAIRS	20	1	10	a
a	11	1	20	^^					NEW GARAGE	20	1	12	a
a	13	1	20	PHOTO EYE					A/C REC DINING RM	20	1	14	a
a	15	1	20	DISHWASHER					GARAGE	20	1	16	a
a	17	1	20	RECP PANTRY					WORKSHOP EAST WALL RECP	20	1	18	a
a	19	1	20	SECURITY REC					WORKSHOP EAST WALL RECP	20	1	20	a
b	21	1	20	-					WORKSHOP WEST WALL RECP + LTG	20	1	22	a
a	23	1	20	GFCI RECP UPSTAIRS BR					SPARE	20	2	24	
a	25	1	20	GRAND STAIR CASE					^^	20	2	26	
	27	2	60	SPARE			**360**	**RECP**	**TELECOM CABINET RECP**	**20**	**1**	**28**	**c**
	29	2	60	^^					SPARE	40	2	30	
	31	2	50	SPARE					^^	40	2	32	
	33	2	50	^^		**1920**		**MISC**	**RK-104-1B**	**20**	**1**	**34**	**c**
a	35	1	20	MICROWAVE					SPARE	20	1	36	
a	37	2	20	ELEC HEAT UPSTAIR BR					SPARE	20	1	38	
a	39	2	20	^^					SPARE	20	1	40	
	41	1	-	SPACE					SPACE	-	1	42	
				TOTAL V-A		1,920	360		2,280 VA				
				TOTAL AMPS		16	3		10 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A
CONNECTED LOAD IN KVA (BRANCH PANELS):							0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A
DEMAND LOAD IN KVA:	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A

PANEL NOTES:
- a EXISTING LOAD
- b UNIDENTIFIABLE CIRCUIT LABEL
- c NEW LOAD ON EXISTING CIRCUIT BREAKER

PANEL OPTIONS:
MAIN LUGS ONLY

EXISTING PANEL '20-LB2'

MFR/MODEL: SQUARE 'D' TYPE NQOD | VOLTS: 120/240V,1PH,3W | ENCLOSURE: NEMA 1 | 100 A

TYPE: PANELBOARD | VOLT-AMPS | MTG: RECESSED

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	2	30	WATER HEATER					CONTROL CIRCUIT FOR LTG	20	1	2	a
a	3	2	30	^^					STREET LIGHTS	20	2	4	a
a	5	1	20	COMPRESSOR					^^	20	2	6	a
a	7	1	20	RECP BY PANEL					RECP BASEMENT OFFICE	20	1	8	a
a	9	1	20	COMPUTER HUB					RECP BASEMENT OFFICE	20	1	10	a
b	**11**	**1**	**20**	**RK-001-1A**	**MISC**		**1,920**		TREADMILL	20	2	12	a
	13	1	-	SPACE					^^	20	2	14	a
	15	1	-	SPACE					TREADMILL	20	2	16	a
	17	1	-	SPACE					^^	20	2	18	a
	19	1	-	SPACE					SPACE	-	1	20	
				TOTAL V-A		0	1,920		1,920 VA				
				TOTAL AMPS		0	16		8 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A
CONNECTED LOAD IN KVA (BRANCH PANELS):							0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A

PANEL NOTES:
- a EXISTING LOAD
- b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

PANEL '20-LB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQOD | VOLTS: 120/240V,1PH,3W | ENCLOSURE: NEMA 1 | 100 A

TYPE: PANELBOARD | VOLT-AMPS | MTG: RECESSED

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	1	20	RK-001-1B	MISC	1,920 360		RECP	TELECOM CABINET RECP	20	1	2	
	3	1	20	SPARE					SPARE	20	1	4	
	5	1	20	SPARE					SPARE	20	1	6	
	7	1	20	SPARE					SPARE	20	1	8	
	9	1	20	SPARE					SPARE	20	1	10	
	11	1	-	SPACE					SPACE	-	1	12	
	13	1	-	SPACE					SPACE	-	1	14	
	15	1	-	SPACE					SPACE	-	1	16	
	17	1	-	SPACE					SPACE	-	1	18	
	19	1	-	SPACE					SPACE	-	1	20	
				TOTAL V-A		2,280	0		2,280 VA				
				TOTAL AMPS		19	0		10 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A
CONNECTED LOAD IN KVA (BRANCH PANELS):							0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A
DEMAND LOAD IN KVA:	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A

PANEL NOTES:
- a FED FROM DISTRIBUTION PANEL '20'.

PANEL OPTIONS:
MAIN LUGS ONLY

EXISTING PANEL '23-NB-1'

MFR/MODEL: SQUARE 'D' TYPE NQOD | VOLTS: 120/240V,1PH,3W | ENCLOSURE: NEMA 1 | 100 A

TYPE: PANELBOARD | VOLT-AMPS | MTG: RECESSED

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
b	**1**	**2**	**20**	**RK-104-1B**	**MISC**	**1,920**			UNKNOWN		1	2	a
a	3	1		UNKNOWN					UNKNOWN		1	4	a
a	5	1		UNKNOWN					UNKNOWN		1	6	a
a	7	1		UNKNOWN					UNKNOWN		1	8	a
a	9	1		UNKNOWN					UNKNOWN		1	10	a
a	11	1		UNKNOWN					UNKNOWN		1	12	a
a	13	1		UNKNOWN					UNKNOWN		1	14	a
a	15	1		UNKNOWN					UNKNOWN		1	16	a
a	17	1		UNKNOWN					UNKNOWN		1	18	a
a	19	1		UNKNOWN					UNKNOWN		1	20	a
a	21	1		UNKNOWN					UNKNOWN		1	22	a
a	23	1		UNKNOWN					UNKNOWN		1	24	a
a	25	1		UNKNOWN					UNKNOWN		1	26	a
a	27	1		UNKNOWN					UNKNOWN		1	28	a
a	29	1		UNKNOWN					UNKNOWN		1	30	a
a	31	1		UNKNOWN					UNKNOWN		1	32	a
a	33	1		UNKNOWN					UNKNOWN		1	34	a
a	35	1		UNKNOWN					UNKNOWN		1	36	a
a	37	1		UNKNOWN					UNKNOWN		1	38	a
a	39	1		UNKNOWN					UNKNOWN		1	40	a
a	41	1		UNKNOWN					UNKNOWN		1	42	a
				TOTAL V-A		1,920	0		1,920 VA				
				TOTAL AMPS		16	0		8 A				

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A
CONNECTED LOAD IN KVA (BRANCH PANELS):							0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A

PANEL NOTES:
- a (E) PANEL LOADS UNKNOWN
- b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — 3/31/2022 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 18, 20 & 23 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: EK-115
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG_1_20_24kopnQCETM.rvt

3/14/2022 10:09:23 AM

EXISTING PANEL '#1'

MFR/MODEL: SQUARE 'D' TYPE NQOD | VOLTS: 120/240V,1PH,3W | ENCLOSURE: NEMA 1 | xxx A
TYPE: PANELBOARD | VOLT-AMPS | MTG: RECESSED

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	15	LTG					UPSTAIRS N. A/C	20	1	2	a
a	3	1	15	LTG					BEDROOM A/C	20	1	4	a,c
a	5	1	15	RECP LIVING RM, LTG PORCH					MAIN FLOOR WASHER	20	1	6	a
a	7	1	20	UPSTAIRS BR GFCI					BASEMENT & MAIN FLOOR LTG	15	1	8	a
a	9	1	20	HANDICAP GFCI IN BR					BASEMENT RECP/WATER PMP	15	1	10	a,c
a,b	11	1	15	REECP HANDICAP BEDROOM					BR & HANDICAP BEDROOM LTG	15	1	12	a
a,b	13	1	15	UPSTAIRS SOUTH BEDROOM RECP					GFCI BY PANEL	20	1	14	a
a,b	15	1	15	UPSTAIRS NORTH BEDROOM RECP					GFCI IN WASHROOM	15	1	16	a
a	17	1	20	HANDICAP BEDROOM					XXX	20	2	18	a,c
a	19	1	20	A/C RECP					^^	20	2	20	a,c
a	21	2	30	HOTWATER HEATER					MAIN FLOOR DRYER	30	2	22	a
a	23	2	30	^^					^^	30	2	24	a
a	25	2	20	FREEZER BASE					NEW WATERHEATER	30	2	26	a
a	27	2	20	^^					^^	30	2	28	a
a,c	29	1	20	XXX					REFR. N.S.	20	1	30	a
d	**31**	**2**	**20**	**RK-002-1A**	**MISC**		**1,920**		SANIKILL UNIT	15	1	32	a
	33	1	-	SPACE		**360**		**RECP**	**TELECOM CABINET RECP**	**20**	**1**	**34**	**d**
	35	1	-	SPACE					SPACE	-	1	36	
	37	1	-	SPACE					SPACE	-	1	38	
	39	1	-	SPACE					SPACE	-	1	40	
	41	1	-	SPACE					SPACE	-	1	42	
				TOTAL V-A		360	1,920		2,280	VA			
				TOTAL AMPS		3	16		10	A			
				A.I.C. RATING: 22,000									

	LTG	RECP	MOTR	LG.MT	MISC	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A
CONNECTED LOAD IN KVA (BRANCH PANELS):							0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A
DEMAND LOAD IN KVA:	0.00	0.36	0.00	0.00	1.92	0.00	2.3 KVA	10 A

PANEL NOTES:
a EXISTING LOAD
b EXISTING GFCI BREAKER
c UNIDENTIFIABLE CIRCUIT LABEL
d INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

EXISTING PANEL '#2'

MFR/MODEL: SQUARE 'D' TYPE NQOD | VOLTS: 120/240V,1PH,3W | ENCLOSURE: NEMA 1 | xxx A
TYPE: PANELBOARD | VOLT-AMPS | MTG: RECESSED

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	2	50	RANGE					DINING ROOM A/C RECP	20	2	2	a
a	3	2	50	^^					^^	20	2	4	a
a	5	1	15	LTG BASEMENT					RECP EAST EXTERIOR	20	1	6	a
a	7	1	20	HOTWATER PUMPS					DRYER BASEMENT	30	2	8	a
a	9	1	20	PUMPS FOR WATER HEATER					^^	30	2	10	a
a	11	1	20	WASHER					STEP & VATH ATTIC LTG	20	1	12	a
a	13	1	15	GFCI BY PUMPS					BEDROOM & WHOLE HOUSE FAN	20	1	14	a
a	15	1	15	BASEMENT GFCI ON POLE					GFCI NEXT TO PANEL	20	1	16	a
a	17	1	15	RECP LIVING RM/PORCH LTG					DISHWASHER	20	1	18	a
a	19	1	20	DINING ROOM AND FRIDGE RECP					UPSTAIRS BATH GFCI	20	1	20	a
a,b	21	1	15	RECP S. UPSTAIR BDRM RECP					KITCHEN GFCI	20	1	22	a
a,b	23	1	15	RECP N. UPSTAIR BDRM RECP					LIVING ROOM A/C RECP	20	1	24	a
a	25	2	30	WATER HEATER					LIVING ROOM A/C RECP	20	1	26	a
a	27	2	30	^^					HOOD	15	1	28	a
a	29	1	20	KITCHEN GFCI					SINK LTG & BACKLIGHT	20	1	30	a
a	31	1	20	MAIN FLOOR BATHROOM					POWER FOR FA	20	1	32	a
a	33	1	15	FIRE ALARM PANEL					XXX	20	1	34	a,c
d	**35**	**2**	**30**	**RK-002-1B**	**MISC**		**1,920**		SPACE	-	1	36	
	37	1	-	SPACE					SPACE	-	1	38	
	39	1	-	SPACE					SPACE	-	1	40	
	41	1	-	SPACE					SPACE	-	1	42	
				TOTAL V-A		0	1,920		1,920	VA			
				TOTAL AMPS		0	16		8	A			
				A.I.C. RATING: 22,000									

	LTG	RECP	MOTR	LG.MT	MISC	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A
CONNECTED LOAD IN KVA (BRANCH PANELS):							0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	1.9 KVA	8 A

PANEL NOTES:
a EXISTING LOAD
b EXISTING GFCI BREAKER
c UNIDENTIFIABLE CIRCUIT LABEL
d INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

EXISTING PANEL '43-N1-2'

MFR/MODEL: CUTLER HAMMER TYP PRL1 | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A
VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	STREET LTG CONTROLS						SHREDDER VACUUM	20	3	2	a
a	3	2	20	BAND SAW RECP						SPARE W/ #2	20	3	4	a
a	5	2	20	^^						RECP ELECTRIC STORAGE AND LAUNDRY	20	3	6	a
a	7	3	30	OVERHEAD FANS						RECP ELECTRIC STORAGE AND LAUNDRY	20	1	8	a
a	9	3	30	^^^						RECP ELECTRIC STORAGE AND LAUNDRY	20	1	10	a
a	11	3	30	^^^						RECP LAUNDRY	20	1	12	a
	13	3	30	SPARE						AIR HANDLER	20	3	14	a
	15	3	30	^^^						^^^	20	3	16	a
	17	3	30	^^^						^^^	20	3	18	a
a	19	1	20	HOT WATER HEATER IN CRAWL SPACE						AIR CURTAIN	60	2	20	a
a	21	1	20	DOOR SECURITY P2000 CONTROLLER JOHNSON CONTROLS						^^	60	2	22	a
	23	1	20	SPARE						SPARE	20	1	24	
	25	3	20	SPARE						SPARE	20	3	26	
	27	3	20	^^^						SPARE	20	3	28	
	29	3	20	^^^						SPARE	20	3	30	
	31	1	20	SPARE		**1,920**			**MISC**	**RK-B01-1A**	**20**	**3**	**32**	**c**
	33	1	20	SPARE						SPARE	20	1	34	
	35	1	20	SPARE						SPARE	20	1	36	
a	37	1	20	WORKBENCH RECP						SPARE	50	3	38	
a	39	2	30	STREET LTG						SPARE	50	3	40	
a	41	2	30	^^						SPARE	50	3	42	
				TOTAL V-A		1,920	0	0		1,920	VA			
				TOTAL AMPS		16	0	0		5	A			
				A.I.C. RATING: 22,000										

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A

PANEL NOTES:
a EXISTING LOAD
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.
c NEW LOAD ON EXISTING BREAKER

PANEL OPTIONS:
MAIN LUGS ONLY

EXISTING PANEL '43-N1-3'

MFR/MODEL: CUTLER HAMMER TYP PRL1 | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A
VOLT-AMPS | MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	30	STREET LTG CONTROLS						SMALL FOLDER	20	3	2	a
a	3	2	30	BAND SAW RECP						^^^	20	3	4	a
a	5	2	30	^^						^^^	20	3	6	a
a	7	3	20	OVERHEAD FANS						2 HEATERS MAINTENANCE RM	20	1	8	a
c	**9**	**3**	**20**	**RK-B01-1B**	**MISC**		**1,920**			7 HEATERS LAUNDRY ROOM	20	1	10	a
c	**15**	**1**	**20**	**TELECOM CABINET RECP**	**RECP**		**360**			SPACE	-	1	12	
	13	1	-	SPACE						SPACE	-	1	14	
	15	1	-	SPACE						SPACE	-	1	16	
	17	1	-	SPACE						^^^	-	1	18	
	19	1	-	SPACE						SPARE	*	3	20	
	21	1	-	SPACE						^^^	*	3	22	
	23	1	-	SPACE						^^^	*	3	24	
	25	1	-	SPACE						N/A	-	-	26	
	27	1	-	SPACE						N/A	-	-	28	
	29	1	-	SPACE						N/A	-	-	30	
				TOTAL V-A		0	2,280	0		2,280	VA			
				TOTAL AMPS		0	19	0		6	A			
				A.I.C. RATING: 22,000										

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	1.9 KVA	5 A

PANEL NOTES:
a EXISTING LOAD
b EXISTING 110A BREAKER
c INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD
RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP
STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 29 & 43 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: EK-116
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_ckopp2QETM.rvt

3/14/2022 10:09:26 AM

PANEL '53-EQB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 60 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-102B-1B	MISC	3,333 ⋮ 50			MISC	53-DDC-1	15	1	2	
	3	3	30	^^^	MISC		3,333 ⋮ 240		LTG	TELECOM RM LTG	20	1	4	
	5	3	30	^^^	MISC			3,333 ⋮		SPARE	20	1	6	
	7	1	20	SPARE						SPARE	20	1	8	
	9	1	20	SPARE						SPARE	20	1	10	
	11	1	20	SPARE						SPARE	20	1	12	
	13	1	20	SPARE						SPARE	20	1	14	
	15	1	-	SPACE						SPARE	20	1	16	
	17	1	-	SPACE						SPARE	20	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						3,383	3,573	3,333		10,290 VA				
TOTAL AMPS						28	30	28		29 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.24	0.00	0.00	0.00	10.05	0.00	0.00	0.00	10.3 KVA	29 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.24	0.00	0.00	0.00	10.05	0.00	0.00	0.00	10.3 KVA	29 A
DEMAND LOAD IN KVA:	0.30	0.00	0.00	0.00	10.05	0.00	0.00	0.00	10.4 KVA	29 A

PANEL NOTES:
a FED FROM PANEL '1N-EQT1'

PANEL OPTIONS:
MAIN LUGS ONLY

PANEL '53-NB-T1'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

MTG: SURFACE

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	30	RK-102B-1A	MISC	3,333 ⋮ 720			RECP	TR WEST RECP	20	1	2	
	3	3	30	^^^	MISC		3,333 ⋮ 720		RECP	TR EAST RECP	20	1	4	
	5	3	30	^^^	MISC			3,333 ⋮ 180	RECP	EXTERIOR RECP 53-CU-1	20	1	6	
	7	3	35	53-CU-1	MOTR	2,808 ⋮				SPARE	20	1	8	
	9	3	35	^^^	MOTR		2,808 ⋮			SPARE	20	1	10	
	11	3	35	^^^	MOTR			2,808 ⋮		SPARE	20	1	12	
	13	3	60	53-IU-1	MOTR	5,136 ⋮				SPACE	-	1	14	
	15	3	60	^^^	MOTR		5,136 ⋮			SPACE	-	1	16	
	17	3	60	^^^	MOTR			5,136 ⋮		SPACE	-	1	18	
	19	1	-	SPACE						SPACE	-	1	20	
	21	1	-	SPACE						SPACE	-	1	22	
	23	1	-	SPACE						SPACE	-	1	24	
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
TOTAL V-A						11,997	11,997	11,457		35,452 VA				
TOTAL AMPS						100	100	95		98 A				

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	35.5 KVA	98 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	35.5 KVA	98 A
DEMAND LOAD IN KVA:	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	39.3 KVA	109 A

PANEL NOTES:
a FED FROM DISTRIBUTION PANEL '53-NDP'

PANEL OPTIONS:
MAIN LUGS ONLY

EXISTING MAIN DISTRIBUTION PANEL '53-NDP'

MFR/MODEL: SQUARE 'D' TYPE I-LINE | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 1600 A

MTG SPACE: AS REQUIRED | VOLT-AMPS | MTG: SURFACE

NOTE	POLE	AMPS	SERVICE	TYPE	A	B	C	TYPE	SERVICE	AMPS	POLE	NOTE
	1	-	SPACE						SPACE	-	1	
	1	-	SPACE						SPACE	-	1	
	1	-	SPACE						SPACE	-	1	
	1	-	SPACE						SPACE	-	1	
	1	-	SPACE						SPACE	-	1	
	1	-	SPACE						SPACE	-	1	
b	**3**	**200**	**PANEL '53-NB-T1'**	**FEDR**	**11997** ⋮				SPACE	-	1	
b	**3**	**200**	**^^^**	**FEDR**		**11997** ⋮			SPACE	-	1	
b	**3**	**200**	**^^^**	**FEDR**			**11457** ⋮		SPACE	-	1	
	1	-	SPACE						FOOD DISH LINE	100	3	a
	1	-	SPACE						^^^	100	3	a
	1	-	SPACE						^^^	100	3	a
a	3	500	PANEL '53-N2-1'						PANEL '53-NB-3'	100	3	a
a	3	500	^^^						^^^	100	3	a
a	3	500	^^^						^^^	100	3	a
a	1	-	N/A						PANEL '53-N1-2'	200	3	a
a	1	-	N/A						^^^	200	3	a
a	1	-	N/A						^^^	200	3	a
	1	-	SPACE						PANEL '53-NB-5'	100	3	a
	1	-	SPACE						^^^	100	3	a
	1	-	SPACE						^^^	100	3	a
	1	-	SPACE						PANEL '53-NB-4'	100	3	a
	1	-	SPACE						^^^	100	3	a
	1	-	SPACE						^^^	100	3	a
a	3	200	PANEL '53-N1-1'						PANEL '53-NB-3'	100	3	a
a	3	200	^^^						^^^	100	3	a
a	3	200	^^^						^^^	100	3	a
a	3	225	PANEL '53-NB-1'						SPACE	-	1	
a	3	225	^^^						SPACE	-	1	
a	3	225	^^^						SPACE	-	1	
a	3	300	HCP-2 SMALL HOOD						PANEL '53-NB-2'	200	3	a
a	3	300	^^^						^^^	200	3	a
a	3	300	^^^						^^^	200	3	a
a	1	-	N/A						PANEL '53-NG-1'	200	3	a
a	1	-	N/A						^^^	200	3	a
a	1	-	N/A						^^^	200	3	a
a	3	600	HCP-1 LARGE HOOD						PANEL '53-NG-2'	200	3	a
a	3	600	^^^						^^^	200	3	a
a	3	600	^^^						^^^	200	3	a
a	1	-	N/A						PANEL '53-NG-4'	225	3	a
a	1	-	N/A						^^^	225	3	a
a	1	-	N/A						^^^	225	3	a
TOTAL V-A					11997	11997	11457		35,452 VA			
TOTAL AMPS					100	100	95		98 A			

AVAILABLE FAULT CURRENT : A | AIC RATING:

	LTG	REC	MOTR	LG MTR	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0 KVA	0 A
CONNECTED LOAD IN KVA (BRANCH PANELS)	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	35.5 KVA	109 A
TOTAL CONNECTED LOAD IN KVA:	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	35.5 KVA	98 A
DEMAND LOAD IN KVA:	0.00	1.62	23.83	3.85	10.00	0.00	0.00	0.00	39.3 KVA	109 A

PANEL NOTES:
a EXISTING LOAD
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING TO MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

Revisions:	Date:

CONSULTANT
A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE
GDM ARCHITECTS - ENGINEERS

ARCHITECT/ENGINEER OF RECORD
RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP
STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — 3/8/22 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 53 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: EK-117
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_nkopp\CSETM.rvt
3/14/2022 10:09:29 AM
VA FORM 08 - 6231

BUILDING 65

PANEL 'UPS-A'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 400 A

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	MTG: SURFACE TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	3	60	ZP-109-1A	MISC	3,500 ⋮ 3,500			MISC	ZP-109-2A	60	3	2	a
a	3	3	60	^^^	MISC		3,500 ⋮ 3,500		MISC	^^^	60	3	4	a
a	5	3	60	^^^	MISC			3,500 ⋮ 3,500	MISC	^^^	60	3	6	a
a	7	3	60	ZP-109-3A	MISC	3,500 ⋮ 3,500			MISC	ZP-109-4A	60	3	8	a
a	9	3	60	^^^	MISC		3,500 ⋮ 3,500		MISC	^^^	60	3	10	a
a	11	3	60	^^^	MISC			3,500 ⋮ 3,500	MISC	^^^	60	3	12	a
a	13	3	20	RK-109-5A	MISC	1,167 ⋮ 1,167			MISC	RK-109-6A	20	3	14	a
a	15	3	20	^^^	MISC		1,167 ⋮ 1,167		MISC	^^^	20	3	16	a
a	17	3	20	^^^	MISC			1,167 ⋮ 1,167	MISC	^^^	20	3	18	a
a	19	3	60	ZP-109-7A	MISC	3,500 ⋮ 3,500			MISC	ZP-109-8A	60	3	20	a
a	21	3	60	^^^	MISC		3,500 ⋮ 3,500		MISC	^^^	60	3	22	a
a	23	3	60	^^^	MISC			3,500 ⋮ 3,500	MISC	^^^	60	3	24	a
a	25	1	15	65-EF-1	MOTR	168 ⋮				SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
	31	1	-	SPACE						SPACE	-	1	32	
	33	1	-	SPACE						SPACE	-	1	34	
	35	1	-	SPACE						SPACE	-	1	36	
	37	1	-	SPACE						SPACE	-	1	38	
	39	1	-	SPACE						SPACE	-	1	40	
	41	1	-	SPACE						SPACE	-	1	42	
TOTAL V-A						23,501	23,333	23,333		70,168	VA			
TOTAL AMPS						196	194	194		195	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.17	0.04	70.00	0.00	0.00	0.00	70.2 KVA	195 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.17	0.04	70.00	0.00	0.00	0.00	70.2 KVA	195 A
DEMAND LOAD IN KVA:	0.00	0.00	0.17	0.04	70.00	0.00	0.00	0.00	70.2 KVA	195 A

PANEL NOTES:
a FED FROM 'UPS-A'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)
PROVIDE WITH 200% RATED NEUTRAL

BUILDING 65

PANEL 'UPS-B'

MFR/MODEL: SQUARE 'D' TYPE NQ | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 400 A

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	MTG: SURFACE TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	3	30	ZP-109-1B	MISC	3,500 ⋮ 3,500			MISC	ZP-109-2B	30	3	2	a
a	3	3	30	^^^	MISC		3,500 ⋮ 3,500		MISC	^^^	30	3	4	a
a	5	3	30	^^^	MISC			3,500 ⋮ 3,500	MISC	^^^	30	3	6	a
a	7	3	30	ZP-109-3B	MISC	3,500 ⋮ 3,500			MISC	ZP-109-4B	30	3	8	a
a	9	3	30	^^^	MISC		3,500 ⋮ 3,500		MISC	^^^	30	3	10	a
a	11	3	30	^^^	MISC			3,500 ⋮ 3,500	MISC	^^^	30	3	12	a
a	13	3	30	RK-109-5B	MISC	3,333 ⋮ 3,333			MISC	RK-109-6B	30	3	14	a
a	15	3	30	^^^	MISC		3,333 ⋮ 3,333		MISC	^^^	30	3	16	a
a	17	3	30	^^^	MISC			3,333 ⋮ 3,333	MISC	^^^	30	3	18	a
a	19	3	30	ZP-109-7B	MISC	3,500 ⋮ 3,500			MISC	ZP-109-8B	30	3	20	a
a	21	3	30	^^^	MISC		3,500 ⋮ 3,500		MISC	^^^	30	3	22	a
a	23	3	30	^^^	MISC			3,500 ⋮ 3,500	MISC	^^^	30	3	24	a
	25	1	-	SPACE						SPACE	-	1	26	
	27	1	-	SPACE						SPACE	-	1	28	
	29	1	-	SPACE						SPACE	-	1	30	
	31	1	-	SPACE						SPACE	-	1	32	
	33	1	-	SPACE						SPACE	-	1	34	
	35	1	-	SPACE						SPACE	-	1	36	
	37	1	-	SPACE						SPACE	-	1	38	
	39	1	-	SPACE						SPACE	-	1	40	
	41	1	-	SPACE						SPACE	-	1	42	
TOTAL V-A						27,667	27,667	27,667		83,000	VA			
TOTAL AMPS						231	231	231		230	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	83.00	0.00	0.00	0.00	83.0 KVA	230 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	83.00	0.00	0.00	0.00	83.0 KVA	230 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	83.00	0.00	0.00	0.00	83.0 KVA	230 A

PANEL NOTES:
a FED FROM 'UPS-B'.

PANEL OPTIONS:
MAIN CIRCUIT BREAKER (SEE ONE-LINE FOR SIZE)
PROVIDE WITH 200% RATED NEUTRAL

BUILDING 66

EXISTING PANEL 'B1'

MFR/MODEL: SIEMENS | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	MTG: SURFACE TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	1	20	SPARE						POLICE CHIEF VAV REHEAT T-8	15	2	2	a
a	3	1	20	POLICE CHIEF RECP						^^	15	2	4	a
	5	1	20	SPARE						POLICE SECURITY VAV REHEAT T-9	20	2	6	a
	7	1	20	SPARE						^^	20	2	8	a
	9	1	20	SPARE						UH-2	20	3	10	a
b	11	1	20	EMERGENCY & EXIT LTG						^^^	20	3	12	a
b	13	1	20	SLEEP & MECH RM LTG						^^^	20	3	14	a
b	15	1	20	FIREMAN LOCKER LTG						SPACE	-	1	16	
c	**17**	**3**	**20**	**RK-132-1A**	**MISC**			**1,667 ⋮ 100**	**LTG**	**TELECOM RM LTG**	**20**	**1**	**18**	**c**
c	**19**	**3**	**20**	**^^^**	**MISC**	**1,667 ⋮ 720**			**RECP**	**TR EAST RECP**	**20**	**1**	**20**	**c**
c	**21**	**3**	**20**	**^^^**	**MISC**		**1,667 ⋮ 720**		**RECP**	**TR WEST RECP**	**20**	**1**	**22**	**c**
c	**23**	**2**	**40**	**66-CU-1**	**MOTR**			**2,132 ⋮ 180**	**RECP**	**EXTERIOR RECP 53-CU-1**	**20**	**1**	**24**	**c**
c	**25**	**2**	**40**	**^^**	**MOTR**	**2,132 ⋮ 50**			**MISC**	**66-DDC-1**	**20**	**1**	**26**	**c**
c	**27**	**2**	**45**	**66-IU-1**	**MOTR**		**3,557 ⋮**			SPACE	-	1	28	
c	**29**	**2**	**45**	**^^**	**MOTR**			**3,557 ⋮**		SPACE	-	1	30	
TOTAL V-A						4,569	5,944	7,636		18,148	VA			
TOTAL AMPS						38	50	64		50	A			

A.I.C. RATING: 22,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.10	1.62	11.38	1.78	5.05	0.00	0.00	0.00	18.1 KVA	50 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.10	1.62	11.38	1.78	5.05	0.00	0.00	0.00	18.1 KVA	50 A
DEMAND LOAD IN KVA:	0.13	1.62	11.38	1.78	5.05	0.00	0.00	0.00	20.0 KVA	55 A

PANEL NOTES:
a EXISTING LOAD
b EXISTING LOAD FROM PANEL B
c INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

BUILDING 66

EXISTING PANEL 'B'

MFR/MODEL: SIEMENS TYP I-T-E | VOLTS: 120/208V,3PH,4W | ENCLOSURE: NEMA 1 | 225 A

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	MTG: SURFACE TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
b	**1**	**3**	**20**	**RK-132-1B**	**MISC**	**1,667 ⋮**				SECURITY WING LTG	20	1	2	a
b	**3**	**3**	**20**	**^^^**	**MISC**		**1,667 ⋮**			MAIN CORR & VEST LTG	20	1	4	a
b	**5**	**3**	**20**	**^^^**	**MISC**			**1,667 ⋮**		GFCI BATHROOMS	20	1	6	a
a	7	1	20	SEC. LOCKER & MENS RM						OUTSIDE RECP	20	1	8	a
a	9	1	20	SLEEPING RM RECP						CARPORT RECP & MECH RM	20	1	10	a
a	11	1	20	LOCKER AREA RECP						SEC WING RECP	20	1	12	a
a	13	1	20	CORR & VEST RECP						SECURITY WING RECP	20	1	14	a
a	15	1	20	TEMP CONTROL PANEL						INTRUSION ALARM	20	1	16	a
a	17	1	20	EF-1						ELECT HEAT TERM T-1	20	2	18	a
a	19	1	20	EF-4						^^	20	2	20	a
a	21	2	30	ELECT HEAT TERM T-2						ELECT HEAT TERM T-3	40	2	22	a
a	23	2	30	^^						^^	40	2	24	a
a	25	2	30	ELECT HEAT TERM T-4						ELECT HEAT TERM T-5	50	2	26	a
a	27	2	30	^^						^^	50	2	28	a
a	29	2	40	ELECT HEAT TERM T-6						ELECT HEAT TERM T-7	30	2	30	a
a	31	2	40	^^						^^	30	2	32	a
a	33	3	30	AH-1						FIRE PROT AIR COMPRESSOR	20	1	34	a
a	35	3	30	^^^						EWC	20	1	36	a
a	37	3	30	^^^						PNL B-1	60	3	38	a
a	39	1	20	FIRE ALARM SHUT DOWN REL						^^^	60	3	40	a
a	41	1	20	SPARE						^^^	60	3	42	a
TOTAL V-A						1,667	1,667	1,667		5,000	VA			
TOTAL AMPS						14	14	14		14	A			

A.I.C. RATING: 10,000

	LTG	RECP	MOTR	LG.MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A
CONNECTED LOAD IN KVA (BRANCH PANELS):									0.0 KVA	0 A
TOTAL CONNECTED LOAD IN KVA:	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A
DEMAND LOAD IN KVA:	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.0 KVA	14 A

PANEL NOTES:
a EXISTING LOAD
b INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL.

PANEL OPTIONS:
MAIN LUGS ONLY

Revisions:	Date:

CONSULTANT
A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD
RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP
STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 65 & 66 - PANEL SCHEDULES	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: EK-118
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

3/14/2022 10:09:32 AM

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_JdoppCQETM.rvt

ELECTRICAL SERVICE LOAD CALCULATION - DOM EM BRANCH

SEE ONE-LINE FOR EQUIPMENT AND FEEDER SIZES

ASSUMED FULL MEASURED LOAD ON SERVICE 'A' IS ON PANEL '2-NDB-1'	139,783	VA			
NEW DEMAND LOAD ADDED FROM NEW PANEL 2-NB-1	18,684	VA			
TOTAL CALCULATED DEMAND LOAD ON PANEL '2-NDB-1'	**158,467**	**VA**	**=**	**440**	**A**
ASSUMED 50% MEASURED LOAD ON SERVICE 'A' IS ON PANEL '2-EQDB-1'	69,892	VA			
NEW LOAD ADDED	**83,393**	**VA**	**=**	**231**	**A**
TOTAL CALCULATED DEMAND LOAD ON '2-EQDB-1'	**153,285**	**VA**	**=**	**425**	**A**

SEE INDIVIDUAL PANELS FOR LOAD CALCULATIONS.

EXISTING SERVICE AND DISTRIBUTION EQUIPMENT HAVE ADEQUATE CAPACITY FOR NEW LOAD ADDED.

ELECTRICAL SERVICE LOAD CALCULATION -DOM SECTION B

SEE ONE-LINE FOR EQUIPMENT AND FEEDER SIZES

PEAK DEMAND LOAD MEASURED ON SERVICE SECTION 'A'			287,277	VA		
SOUTH BUS DUCT SECTION EXISTING LOAD IS ASSUMED 35% OF SECTION 'B' LOAD:			126	KVA		
NEW DEMAND LOAD ADDED FROM NEW PANELS:			43	KVA		
NEW LOAD ADDED ON BLDG 4 PANELS	NO.	VA				
RK-04,103,203	3	5,000	15,000	VA		
4-CU-1,2,3	3	3,848	11,544	VA		
4-IU-1	1	7,114	7,114	VA		
4-IU-2,3	2	6,240	12,480	VA		
EXT RECP	2	180	360	VA		
DDC	3	50	150	VA		
TOTAL LOAD ADDED			46,648	VA		
NEW CALCULATED LOAD ON SOUTH BUS DUCT			**216**	**KVA**	**=**	**599 A**
NORTH BUS DUCT SECTION EXISTING LOAD IS ASSUMED 35% OF SECTION 'B' LOAD:			126	KVA		
NEW DEMAND LOAD ADDED FROM NEW PANELS:			156	KVA		
NEW CALCULATED LOAD ON NORTH BUS DUCT			**281**	**KVA**	**=**	**781 A**
TOTAL LOAD ADDED TO SECTION 'A' SERVICE FROM ABOVE:			246	KVA		
NEW UNIT HEATER LOAD ON SERVICE			38	KVA		
NEW CALCULATED DEMAND LOAD ON SERVICE SECTION 'A':			**571**	**KVA**	**=**	**1,584 A**

EXISTING SERVICE AND DISTRIBUTION EQUIPMENT HAVE ADEQUATE CAPACITY FOR NEW LOAD ADDED.

EQUIPMENT BRANCH LOAD CALCULATION

EXISTING DISTRIBUTION PANEL '12-EQDP' IS FED FROM THE NORMAL POWER SWITCHBOARD VIA A 800A, 120/208V, ATS AND 800A, 3P BREAKER WITH (2) 3.5"C, 4#500KCMIL AND #1/0 GND.

SEE PANEL SCHEDULES FOR LOAD CALCULATION FOR INDIVIDUAL PANELS.

NORTH TELECOM ROOMS EQUIPMENT BRANCH FEEDER CALCULATED NEC DEMAND LOAD FROM PANEL SCHEDULES	**61,468**	**VA**	**=**	**171**	**A**
UPS DEMAND LOAD	**70,210**	**VA**	**=**	**195**	
EAST TELECOM ROOMS EQUIPMENT BRANCH FEEDER CALCULATED NEC DEMAND LOAD FROM PANEL SCHEDULES	**15,313**	**VA**	**=**	**43**	**A**
NEW LOAD ADDED TO PANEL '12-EQDP'	**76,780**	**VA**	**=**	**213**	**A**
EXISTING DEMAND LOAD ON PANEL '12-EQDP'	**115,200**	**VA**			
NEW CALCULATED DEMAND LOAD ON PANEL	**262,190**	**VA**	**=**	**728**	**A**

EXISTING SERVICE AND DISTRIBUTION EQUIPMENT HAVE ADEQUATE CAPACITY FOR NEW LOAD ADDED.

LIFE SAFETY LOAD CALCULATION

EXISTING DISTRIBUTION PANEL '12-LSDP' IS FED FROM THE NORMAL POWER SWITCHBOARD VIA A 400A, 120/208V, ATS AND 400A, 3P BREAKER WITH 3.5"C, 4#500KCMIL AND #4/0 GND.

EXISTING PANEL 'BE-LS1' FED FROM '12-LSDP' WITH 150A, 3P BREAKER AND 1.5"C, 4#1 AND 1#8 GND.

EXISTING DEMAND ON '12-LSDP'			95,040	VA		
125% OF EXISTING PER NEC 220.87			118,800	VA		
NEW LOAD ADDED	NO.	VA				
TELECOMM RACKS	2	5,000	10,000	VA		
TOTAL LOAD ADDED			**10,000**	**VA**		
NEW CALCULATED LOAD ON 12-LSDP			**128,800**	**VA**	**=**	**358 A**

SEE PANEL SCHEDULE FOR LOAD CALC ON PANEL 'BE-LS1'

EXISTING DISTRIBUTION EQUIPMENT HAS ADEQUATE CAPACITY FOR NEW LOAD ADDED.

ELECTRICAL SERVICE LOAD CALCULATION

EXISTING DISTRIBUTION PANEL '12-NDP2' IS FED FROM THE NORMAL POWER SWITCHBOARD VIA AN 800A, 3P BREAKER WITH (2) 3.5"C, 4#500KCMIL AND #1/0 GND.

SEE PANEL SCHEDULES FOR LOAD CALCULATION ON INDIVIDUAL PANELS.

EAST TELECOM ROOMS NORMAL POWER BRANCH FEEDER CALCULATED NEC DEMAND LOAD FROM PANEL SCHEDULES	50,856	VA	=	141	A
DEMAND LOAD ON PANEL 'BE-NT1'	10,000	VA			
NEW DEMAND LOAD ADDED TO PANEL '12-NDP2'	**60,856**	**VA**	**=**	**169**	**A**
EXISTING DEMAND LOAD ON PANEL '12-NDP2'	187,200	VA			
NEW CALCULATED LOAD ON PANEL '12-NDP2'	**248,056**	**VA**	**=**	**689**	**A**
EXISTING DEMAND LOAD ON SERVICE AND BUILDING 12 SWITCHGEAR	**288,000**	**VA**			
NORTH TELECOM ROOMS NORMAL POWER BRANCH FEEDER CALCULATED NEC DEMAND LOAD FROM PANEL SCHEDULES	**186,250**	**VA**	**=**	**517**	**A**
TOTAL NEW LOAD ADDED FROM EQUPMENT BRANCH AND LIFE SAFETY BRANCH SWITCHBOARD '12-EQDP' AND '12-LSDP'	**76,288**	**VA**	**=**	**212**	**A**
NEW CALCULATED LOAD ON SERVICE AND BUILDING 12 SWITCHGEAR	**364,288**	**VA**	**=**	**1,011**	**A**

EXISTING SERVICE AND DISTRIBUTION EQUIPMENT HAVE ADEQUATE CAPACITY FOR NEW LOAD ADDED.

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL LOAD CALCULATIONS	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	DRAWING NUMBER: EK-119

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_dkopp\CQETM.rvt
3/14/2022 10:09:33 AM
VA FORM 08 - 6231

LIGHT FIXTURE SCHEDULE

TYPE	LOCATION	MANUFACTURER AND CATALOG NUMBER (OR APPROVED EQUAL)	LUMINAIRE DESCRIPTION	MOUNTING		LAMPS	BALLAST/DRIVER	TOTAL INPUT WATTS
				TYPE	HEIGHT			
A	AS SHOWN	LITHONIA #CLX-L48-7000LM-SEF-FDL-MVOLT-EZ1-40K-90CRI	4' LINEAR LED STRIP. FLAT DIFFUSER	SURFACE, WALL	PENDANT MTD AND CEILING MTD AT 9' AFF, WALL MTD AT 8' AFF	4,000K LED 6,810LM 80 CRI	120/277V, 0-10V DIMMABLE DRIVER DOWN TO 1%	49
B	BUILDLING 65	LITHONIA #2BLT4-48L-ADP-EZ1-LP840	2'X4' RECESSED LED TROFFER WITH CURVED RIBBED DIFFUSER.	RECESSED	CEILING	4,000K LED 5,039LM 80CRI	120/277V, 0-10V DIMMABLE DRIVER DOWN TO 1%	38
B1	BUILDING 65	LITHONIA #2BLT2-48L-ADP-EZ1-LP840	SAME AT TYPE B EXCEPT IT IS 2'X2'	RECESSED	CEILING	4,000K LED 4,877LM 80CRI	120/277V, 0-10V DIMMABLE DRIVER DOWN TO 1%	44
C	BUILDING 1	AXIS LIGHTING #WBRLED-500-80-40-S-8-W-UNV-DP-1-D	4"X8' RECESSED LINEAR LED WITH WHITE HOUSING. PROVIDE WITH EITHER INTEGRAL PHOTOCELL OR CONNECT TO NEARBY PHOTOCELL.	RECESSED	CEILING	4,000K LED 4,000LM	120/277V, 0-10V DIMMABLE DRIVER DOWN TO 1%	44
D	BUILDING 12 ROOM B1C	LITHONIA #LDN6-40/30-LO6WR-LD-MVOLT	6" RECESSED DOWNLIGHT, WHITE TRIM, MATTE DIFFUSE	RECESSED	CEILING	4,000K LED 3,000LM	120-277V DRIVER	35
X	AS SHOWN	LITHONIA #LHQM-LED-R-SD	EXIT SIGN WITH WHITE HOUSING AND RED LETTER COLOR.	WALL	ABOVE DOOR	-	120-277V DRIVER	4

ELECTRICAL LEGEND

,	ROUND LIGHT FIXTURE - PENDANT OR SURFACE MTD CLG, EM		TELECOMMUNICATIONS FLOOR OUTLET
,	LIGHT FIXTURE - SURFACE MTD ON WALL, EM		P.A. SPEAKER
,	LIGHT FIXTURE - RECESSED DOWNLIGHT, EM	IC	INTERCOM STATION
,	EMERGENCY EXIT SIGN - SURFACE MTD CLG, EXISTING		CLOCK
,	EMERGENCY EXIT SIGN - SURFACE MTD WALL, EXISTING	M	MICROPHONE OUTLET
,	EMERGENCY LIGHT - SURFACE MTD WALL, EXISTING	TV	TELEVISION OUTLET
	LINEAR EMERGENCY FIXTURE	SCP	SECURITY CONTROL PANEL
	LINEAR LIGHT FIXTURE - RECESSED MTD	DC	DOOR POSITION CONTACT
	LINEAR LIGHT FIXTURE - SURFACE MTD CLG	CR	PROXIMITY CARD READER
	LINEAR LIGHT FIXTURE - PENDANT MTD	K	SECURITY KEYPAD
,	LINEAR LIGHT FIXTURE - WALL MTD, EM	MS	SECURITY MOTION SENSOR
,	STRIPLIGHT - PENDANT OR SURFACE MTD CLG, EM		CLOSED CIRCUIT TELEVISION CAMERA (WALL MOUNTED)
,	STRIPLIGHT - WALL MTN, EM		CLOSED CIRCUIT TELEVISION CAMERA (CEILING MOUNTED)
	TRACK LIGHT FIXTURE (# OF HEADS AS SHOWN)	FCP	FIRE ALARM CONTROL PANEL
	FLOODLIGHT - OUTDOORS, WEATHERPROOF	FRA	FIRE ALARM REMOTE ANNUNCIATOR PANEL
	POLE MOUNTED AREA LIGHT - OUTDOORS, WEATHERPROOF		FIRE ALARM PULL STATION
	SMALL POLE MOUNTED AREA LIGHT - OUTDOORS, WEATHERPROOF		SPRINKLER ALARM BELL
	BOLLARD LIGHT - OUTDOORS, WEATHERPROOF	, C	FIRE ALARM HORN (WALL, CLG MOUNTED)
A	FIXTURE TAG (LETTER INDICATES TYPE)	, C	FIRE ALARM HORN/STROBE LIGHT (WALL, CLG MOUNTED)
$	SINGLE POLE SWITCH	, C	FIRE ALARM STROBE LIGHT (WALL, CLG MOUNTED)
$a	SINGLE POLE SWITCH (LOWER CASE LETTER INDICATES SWITCHING)		HEAT DETECTOR 135° & RATE OF RISE (OR FIXED °F IF NOTED)
$3 , $4	THREE WAY SWITCH, FOUR WAY SWITCH		PHOTOELECTRIC SMOKE DETECTOR
$D	DIMMER SWITCH		DUCT TYPE PHOTOELECTRIC SMOKE DETECTOR
$K	KEY OPERATED SWITCH	M	MAGNETIC HOLD OPEN
$P	PILOT LIGHT SWITCH	FS	SPRINKLER WATER FLOW SWITCH
$	LOW VOLTAGE LIGHT SWITCH	TS	SPRINKLER VALVE TAMPER SWITCH
$OS	OCCUPANCY SENSOR WALL SWITCH (DUALTECH)		DUPLEX RECEPTACLE TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL)
OS	OCCUPANCY SENSOR - CEILING MOUNTED (DUALTECH)	1	NOTE TAG (No. INDICATES NOTE)
OS	OCCUPANCY SENSOR - WALL MOUNTED (PIR)	XX-XX	CIRCUIT TAG (No. INDICATES CIRCUIT)
P	PHOTOCELL	X	EQUIPMENT TAG (No. INDICATES TYPE)
	CONDUIT, CONCEALED	AFF	ABOVE FINISHED FLOOR
#10	NUMBER AND SIZE OF WIRES (NO MARKS = 3 #12)	AFG	ABOVE FINISHED GRADE
A-2	HOMERUN TO PANEL (PANEL AND CIRCUIT No.)	C	CONDUIT
OH/E	OVERHEAD ELECTRICAL LINE (12470/7200V UON)	CO	CONDUIT ONLY
SR	SURFACE RACEWAY	CLG	DENOTES ITEM LOCATED ON THE CEILNG
	PANEL	E	DENOTES EXISITNG ITEM
	DUPLEX RECEPTACLE	EM	DENOTES EMERGENCY POWER
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	QUADRAPLEX RECEPTACLE	GRSC	GALVANIZED RIGID STEEL CONDUIT
	SPECIAL PURPOSE OUTLET	K	KELVIN
,	RECEPTACLE FLOOR OUTLET - DUPLEX, QUADRAPLEX	LED	LIGHT EMITTING DIODE
J	JUNCTION BOX	LM	LUMENS
	EMERGENCY PUSHBUTTON SWITCH	MCB	MAIN CIRCUIT BREAKER
,	PUSHBUTTON	MLO	MAIN LUGS ONLY
	MOTOR (SIZED AS SHOWN)	NEC	NATIONAL ELECTRICAL CODE
$F	FRACTIONAL HORSEPOWER MOTOR STARTER	NL	NIGHTLIGHT
	DISCONNECT SWITCH	NTS	NOT TO SCALE
	DISCONNECT SWITCH (FUSED)	R	DENOTES EXISTING ITEM THAT HAS BEEN RELOCATED
	COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER	TTB	TELEPHONE TERMINAL BACKBOARD
VFD	VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
	PADMOUNT TRANSFORMER	TYP	TYPICAL
	IN GRADE EXTERIOR JUNCTION BOX	UON	UNLESS OTHERWISE NOTED
	TELEPHONE OUTLET	WAP	WIRELESS ACCESS POINT
	TELECOMMUNICATION OUTLET (COMBINATION TELEPHONE & DATA)	WP	WEATHERPROOF

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

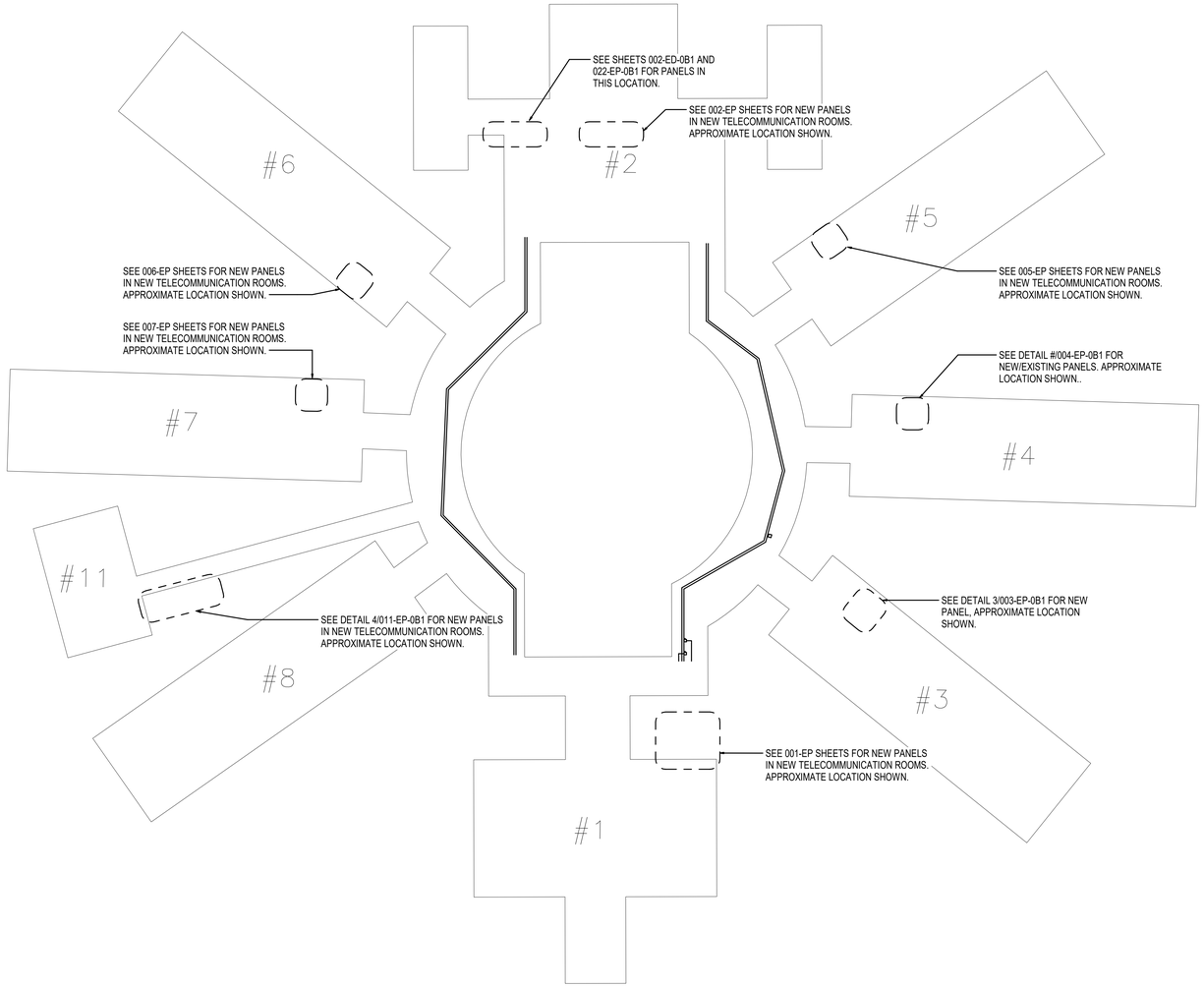
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL LEGEND AND NEW LIGHT FIXTURE SCHEDULE	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: EK-120
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	

VA FORM 08 - 6231

3/14/2022 10:09:34 AM

C:\Users\Caleb.Kopp\Documents\REVIT 2020\ LOCALS\AR121_ESERIES_BLDG 1_r20_ckopp\CQETM.rvt



1 ELECTRICAL REMODEL PLAN - ARCADE

1" = 30'-0"

GENERAL NOTES:

A. SEE ONE-LINE DIAGRAMS ON SHEETS EK-101 AND EK-102 FOR FEEDER AND BREAKER SIZE RATINGS FOR ALL NEW PANELS.

B. NORMAL POWER PANEL FEEDS ARE TO BE PROVIDED FROM NEAREST SPACE AVAILABLE IN BUSSED DUCT LOCATED IN ARCADE CORRIDOR.

C. EMERGENCY POWER PANELS TO BE FED FROM DISTRIBUTION PANEL '2-EQDB-2'

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
3/3/2022
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

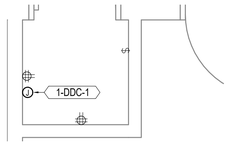
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - ARCADE	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	DRAWING NUMBER: EP-0B1

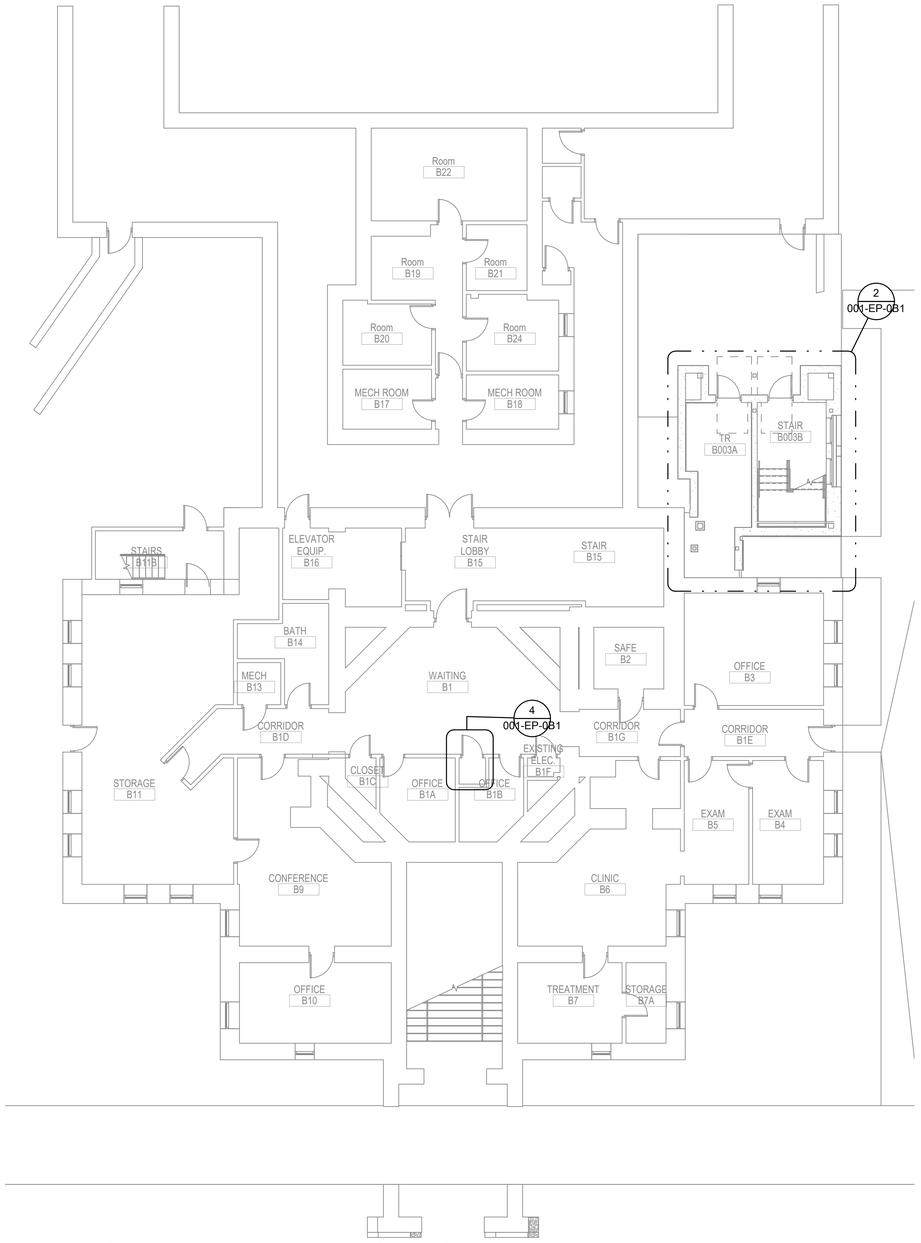
VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_20_Jdepp3QETM.rvt

3/14/2022 10:09:35 AM



4 ENLARGED ROOM - B1E POWER REMODEL
1/2" = 1'-0"

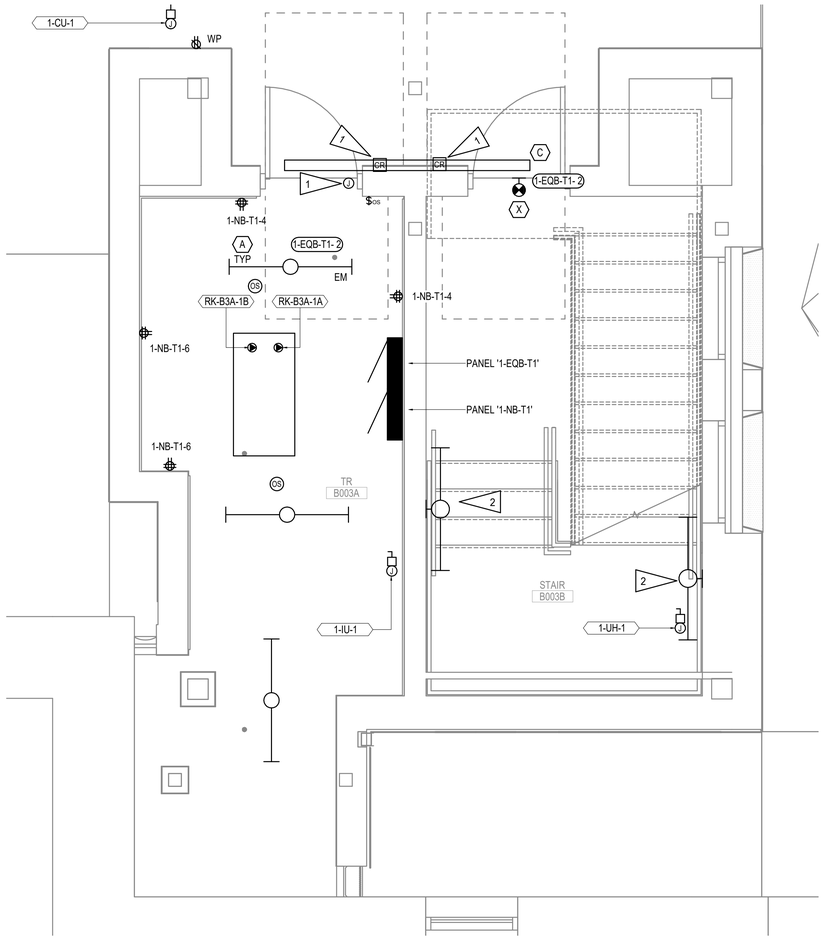


1 ELECTRICAL REMODEL PLAN - BLDG 1 BASEMENT
1/8" = 1'-0"

PLAN NORTH

EQUIPMENT SCHEDULE - BUILDING 1

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
1-IU-1	AC INDOOR UNIT	-	30	-	-	208	1	X	1-NB-T1-7,9	0.75"C, 2#8, 1#10 GND	INTEGRAL CONTROLLER
1-IU-2	AC INDOOR UNIT	-	34.2	-	-	208	1	X	1-N1-T1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
1-IU-3	AC INDOOR UNIT	-	37.5	-	-	208	1	X	1-N2-T1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
1-IU-4	AC INDOOR UNIT	-	34.2	-	-	208	1	X	1-N3-T1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
1-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	1-NB-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
1-CU-2	CONDENSING UNIT	-	20.8	-	-	208	1	X	1-N1-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
1-CU-3	CONDENSING UNIT	-	20.5	-	-	208	1	X	1-N2-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
1-CU-4	CONDENSING UNIT	-	20.5	-	-	208	1	X	1-N3-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
1-UH-1	UNIT HEATER	-	23	-	-	208	1	X	1-NB-T1-8,10	0.75"C, 2#10, 1#10 GND	COORDINATE WITH MECH FOR LOCATION
1-UH-2	UNIT HEATER	-	23	-	-	208	1	X	1-N2-T1-8,10	0.75"C, 2#10, 1#10 GND	COORDINATE WITH MECH FOR LOCATION
1-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	1-EQB-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
1-DDC-2	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	1-EQ1-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
1-DDC-3	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	1-EQ2-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
1-DDC-4	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	1-EQ3-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-B3A-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	1-EQB-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-B3A-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	1-NB-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-113C-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	1-EQB-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-113C-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	1-N1-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-217C-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	1-EQ2-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-217C-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	1-N2-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-315C-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	1-EQ3-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-315C-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	1-N3-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
1-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	XXXXX	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE



2 ENLARGED ROOM - B3A POWER REMODEL
1/2" = 1'-0"

PLAN NORTH

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

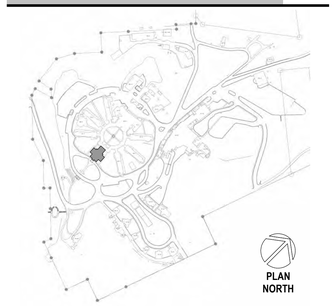
B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.
2. EXTEND EXISTING LIGHTING CIRCUIT TO NEW FIXTURE IN ENCLOSED STAIRCASE.

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT
A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD
RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

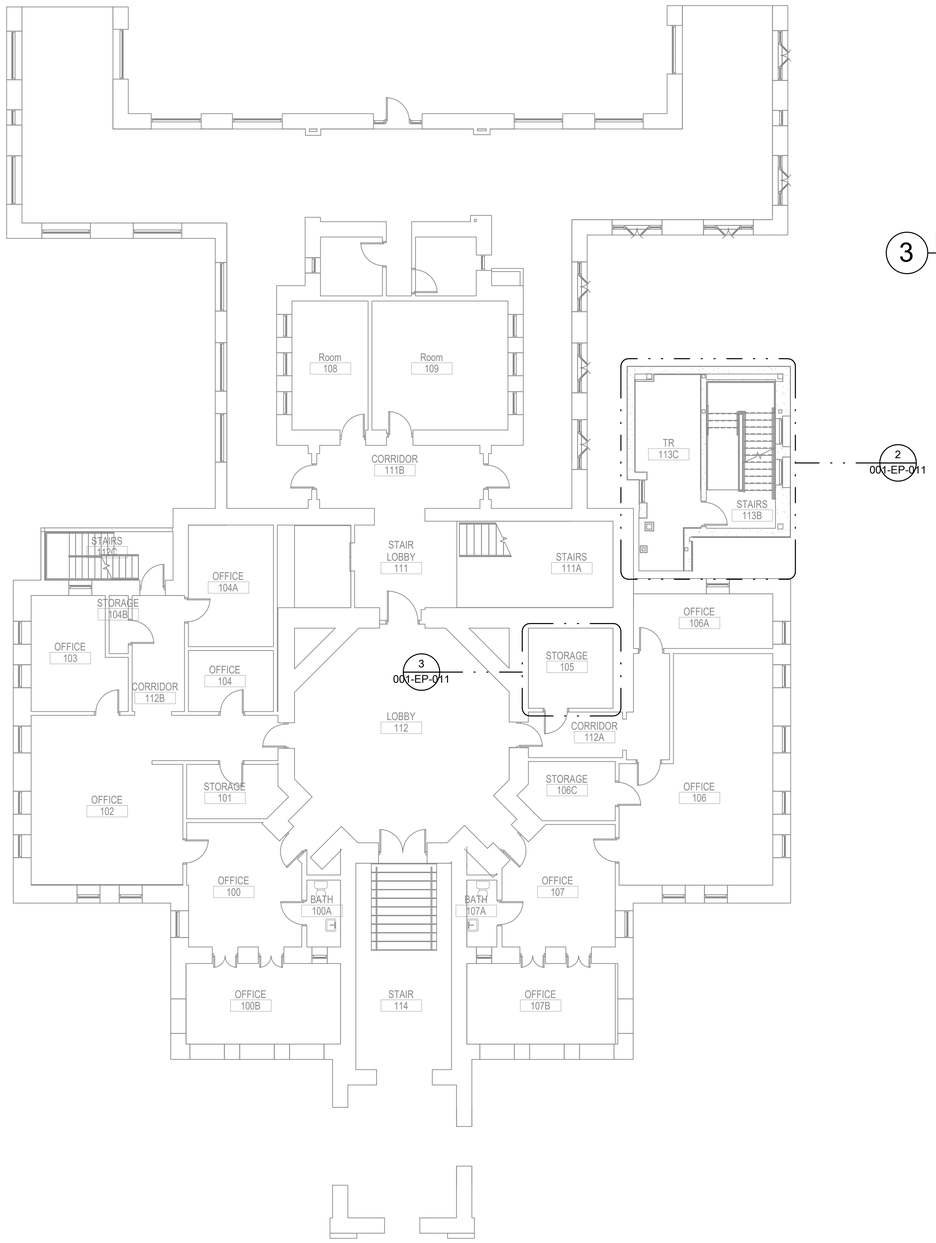
STAMP
STATE OF ALASKA 40TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 1 BASEMENT
APPROVED: Project Director
PHASE: 100% CD FINAL SOLUTION
FLS: FULLY SPRINKLERED
PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES
LOCATION: HOT SPRINGS, SOUTH DAKOTA
ISSUE DATE: 02/22/2022
CHECKED BY: JAM
DRAWN BY: CSZ
PROJECT NUMBER: 568A4-21-702
BUILDING NUMBER: N/A
DRAWING NUMBER: 001-EP-0B1

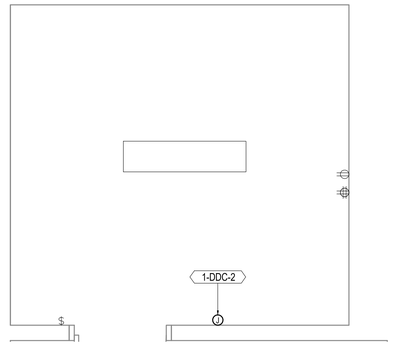
C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_(20)_caleb.rvt
2/22/2022 5:23:28 PM

VA FORM 08 - 6231



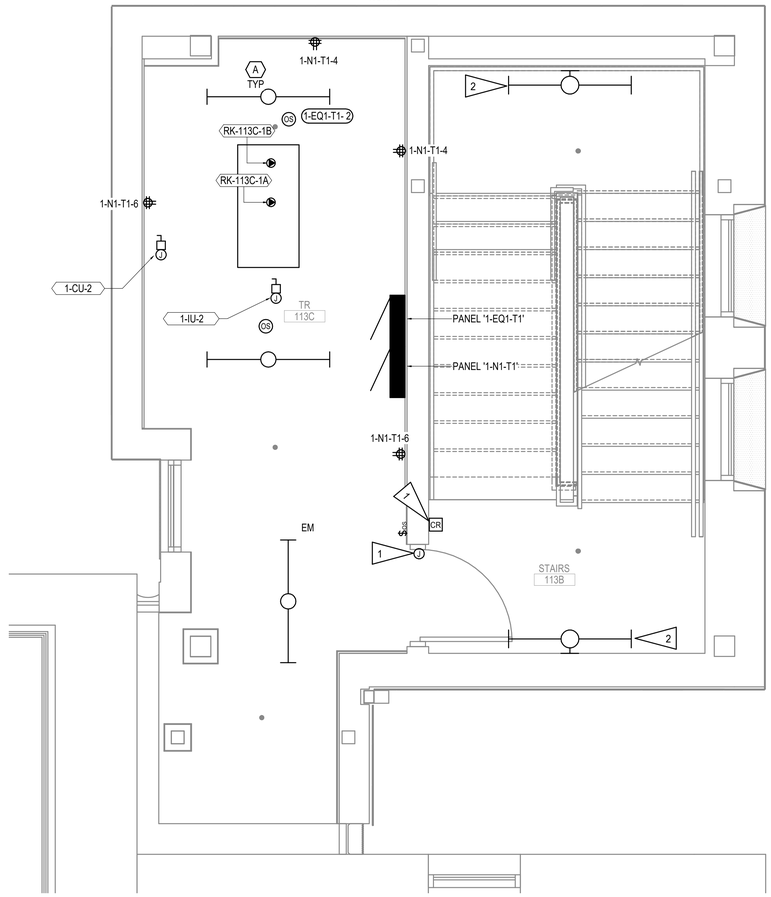
1 ELECTRICAL REMODEL PLAN - BLDG 1 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH



3 ENLARGED ROOM - 105 POWER REMODEL
1/2" = 1'-0"

PLAN NORTH



2 ENLARGED ROOM - 113C POWER REMODEL
1/2" = 1'-0"

PLAN NORTH

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON SHEET 001-EP-0B1 FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

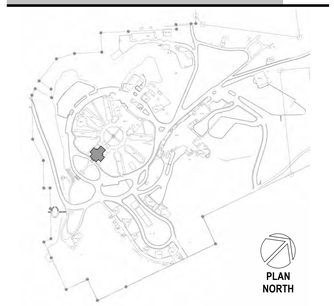
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.

2. EXTEND EXISTING LIGHTING CIRCUIT TO NEW FIXTURE IN ENCLOSED STAIRCASE.

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 1 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 001-EP-011

VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_JoppCGETM.rvt

2/22/2022 5:23:30 PM

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON SHEET 001-EP-0B1 FOR POWER REQUIREMENTS.

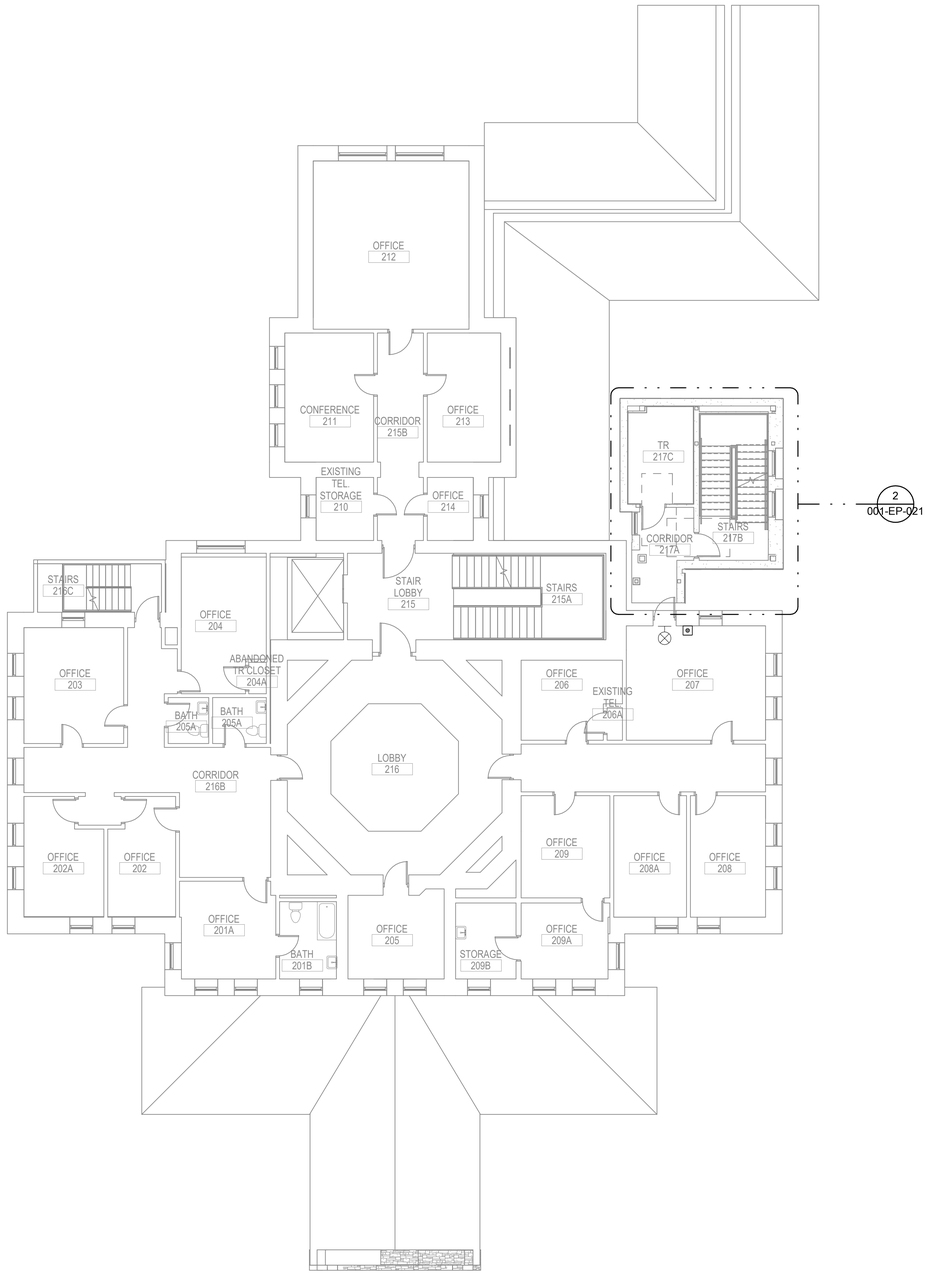
B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

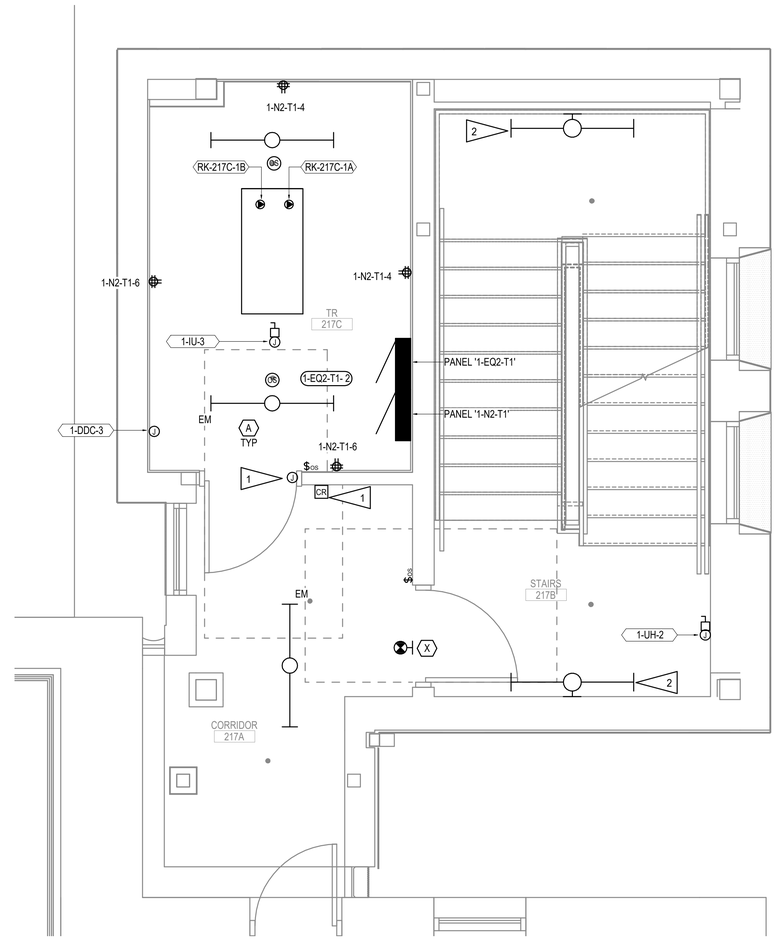
1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.

2. EXTEND EXISTING LIGHTING CIRCUIT TO NEW FIXTURE IN ENCLOSED STAIRCASE.



1 ELECTRICAL REMODEL PLAN - BLDG 1 SECOND FLOOR
1/8" = 1'-0"

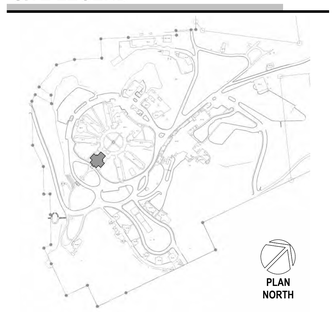
PLAN NORTH



2 ENLARGED ROOM - 217C POWER REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
4 Qtr
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 1 SECOND FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: N/A
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 001-EP-021

VA FORM 08 - 6231

2/22/2022 5:23:32 PM

C:\Users\Celto\Kopt\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_dwgpCGETM.rvt

GENERAL NOTES:

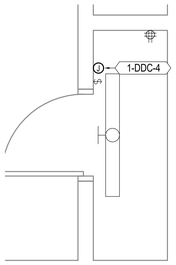
A. SEE EQUIPMENT SCHEDULE ON SHEET 001-EP-0B1 FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

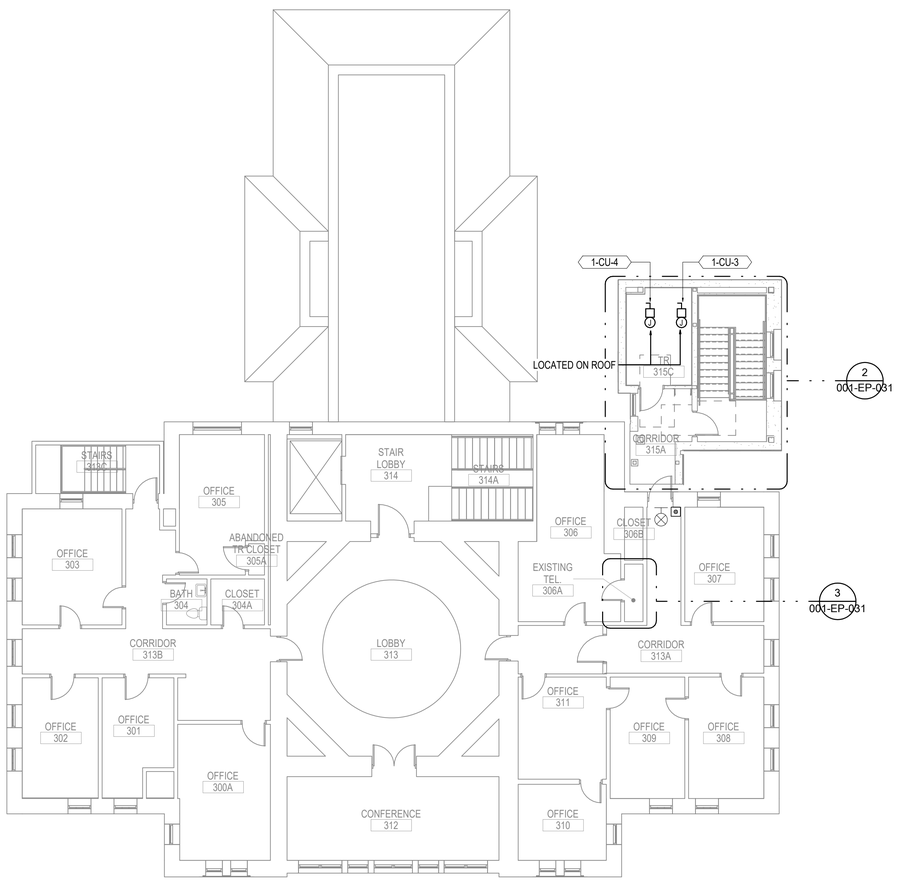
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.
2. EXTEND EXISTING LIGHTING CIRCUIT TO NEW FIXTURE IN ENCLOSED STAIRCASE.

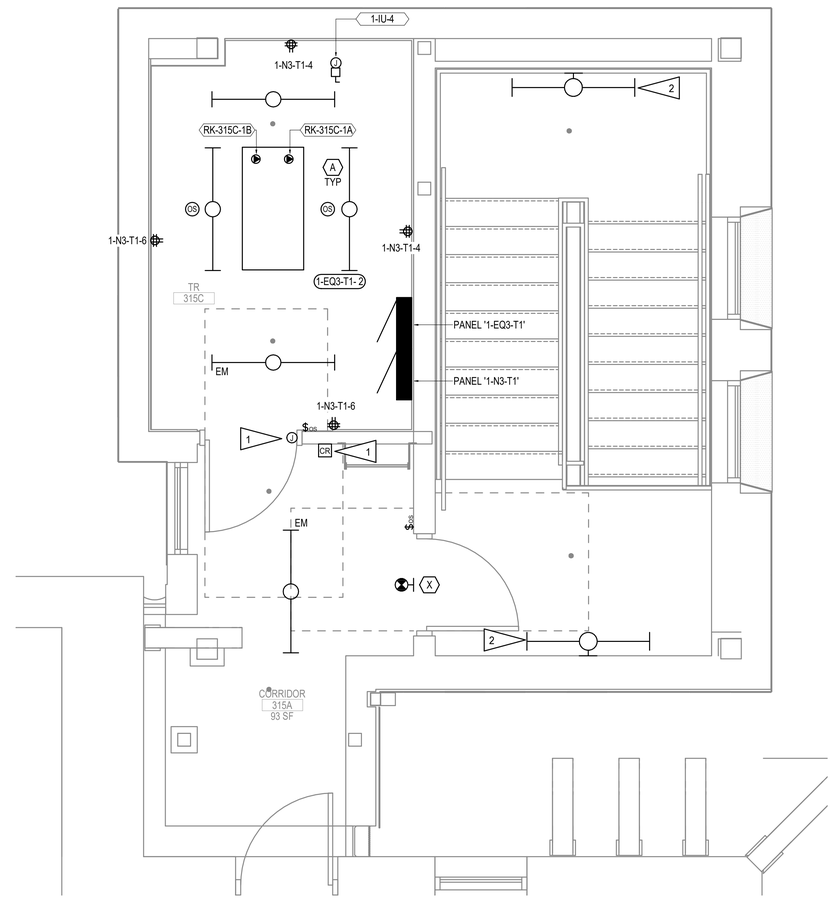


3 ENLARGED ROOM - 306A POWER REMODEL
1/2" = 1'-0"



1 ELECTRICAL REMODEL PLAN - BLDG 1 THIRD FLOOR
1/8" = 1'-0"

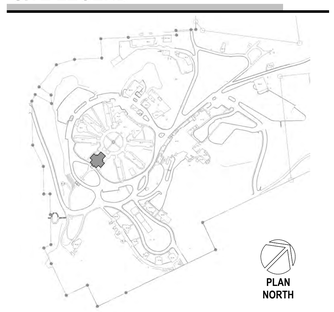
PLAN NORTH



2 ENLARGED ROOM - 315C POWER REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 40TH JEREMY A. MAXIE EE-113847 4/28/22 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 1 THIRD FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: N/A
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 001-EP-031
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 1 r20_keppCSETM.rvt

4/27/2022 1:52:39 PM

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

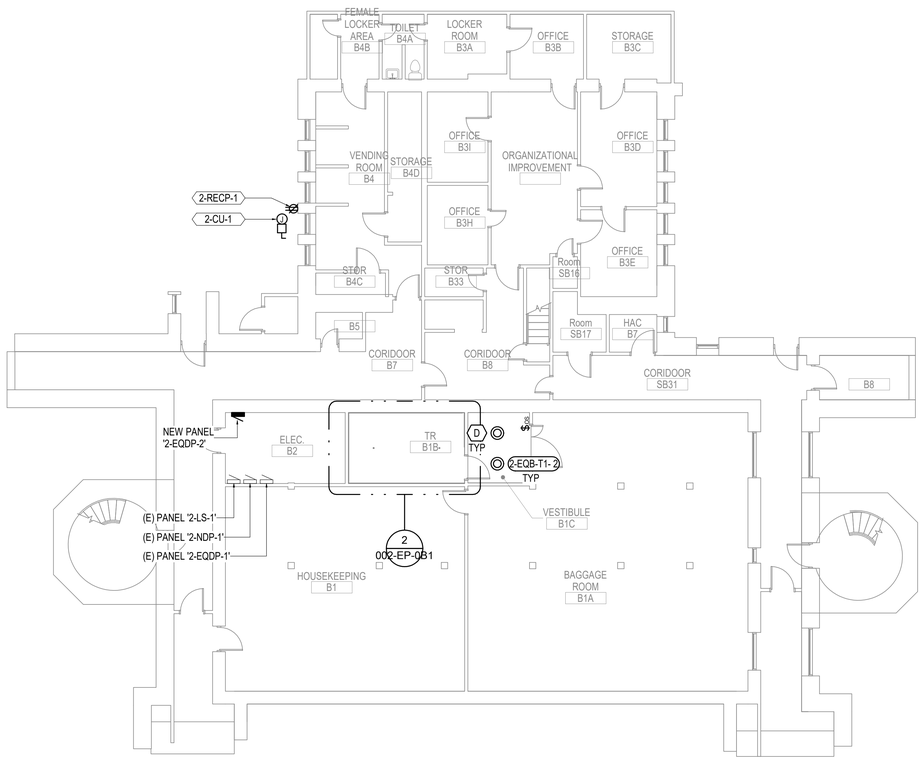
D. SEE SHEETS EK-101 AND EK-102 FOR POWER ONE-LINE DIAGRAMS.

SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-106 FOR TYPICAL DOOR DETAIL.

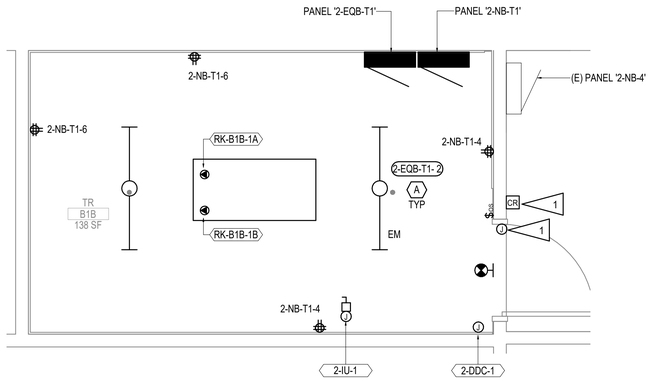
EQUIPMENT SCHEDULE - BUILDING 2

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
2-IU-1	AC INDOOR UNIT	-	30	-	-	208	1	X	2-NB-T1-7,9	0.75"C, 2#8, 1#10 GND	INTEGRAL CONTROLLER
2-IU-2	AC INDOOR UNIT	-	37.5	-	-	208	1	X	2-N2-1-28,30	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
2-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	2-NB-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
2-CU-2	CONDENSING UNIT	-	20.5	-	-	208	1	X	2-N2-1-27,29	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
2-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	2-EQB-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
2-DDC-2	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	2-EQ2-1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-B1B-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	2-EQB-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-B1B-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	2-NB-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-222-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	2-EQ2-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-222-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	2-N2-1-19,21,23	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
2-RECP-1	CONVENIENCE RECEPTACLE BASEMENT	-	-	-	180	120	1	N/A	2-NB-T1-2	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE
2-RECP-2	CONVENIENCE RECEPTACLE ROOFTOP	-	-	-	180	120	1	N/A	2-N2-1-18	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE



1 ELECTRICAL REMODEL PLAN - BLDG 2 BASEMENT
1/8" = 1'-0"

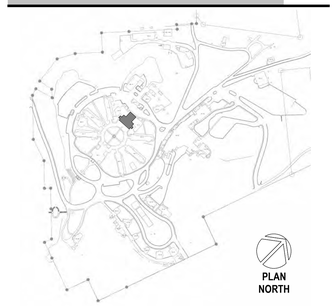
PLAN NORTH



2 ENLARGED ROOM - B1B ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST, UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIEJ
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL REMODEL PLAN - BLDG 2 BASEMENT	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 02
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 002-EP-0B1

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCAL\SM121_ESERIES_BLDG 2_r20_ckopp\CKETM.rvt

2/22/2022 5:40:06 PM

VA FORM 08 - 6231

GENERAL NOTES:

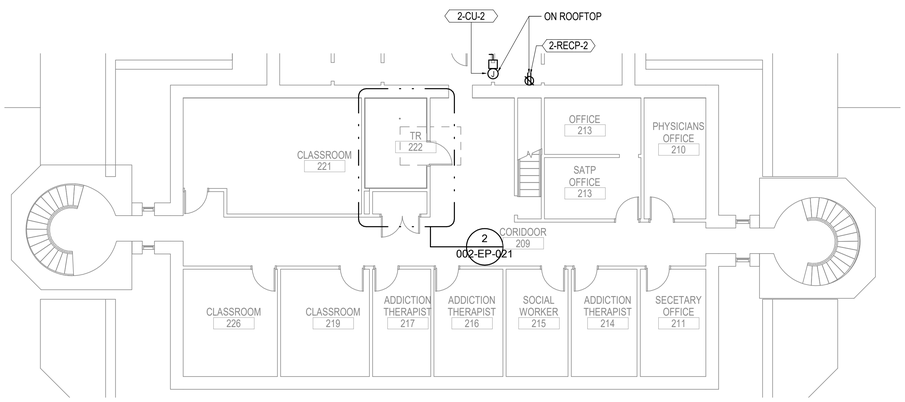
A. SEE EQUIPMENT SCHEDULE ON SHEET 002-EP-0B1 FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

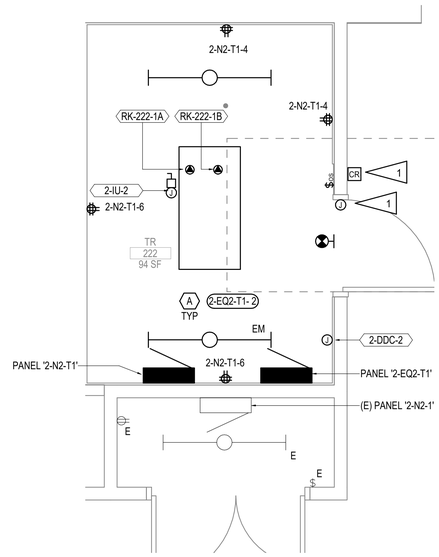
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-106 FOR TYPICAL DOOR DETAIL.



1 ELECTRICAL REMODEL PLAN - BLDG 2 SECOND FLOOR
1/8" = 1'-0"

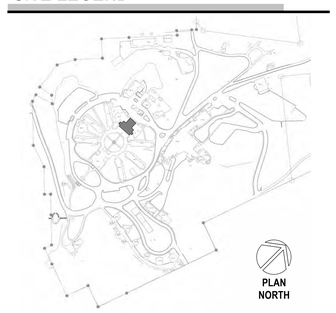
PLAN NORTH



2 ENLARGED ROOM - 222 ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST, UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA 49TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 2 SECOND FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 02
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 002-EP-021
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

VA FORM 08 - 6231

2/22/2022 5:40:07 PM

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM\121_ESERIES_BLDG 2_(D)_ckopp@CBETM.rvt

EQUIPMENT SCHEDULE - BUILDING 3

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
3-IU-1	AC INDOOR UNIT	-	30	-	-	208	1	X	3-N1-T1-7,9	0.75"C, 2#8, 1#10 GND	INTEGRAL CONTROLLER
3-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	3-N1-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
3-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	3-EQ1-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-103-1A	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	3-EQ1-T1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
RK-103-1B	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	3-N1-T1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
3-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	3-N1-T1-8	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

GENERAL NOTES:

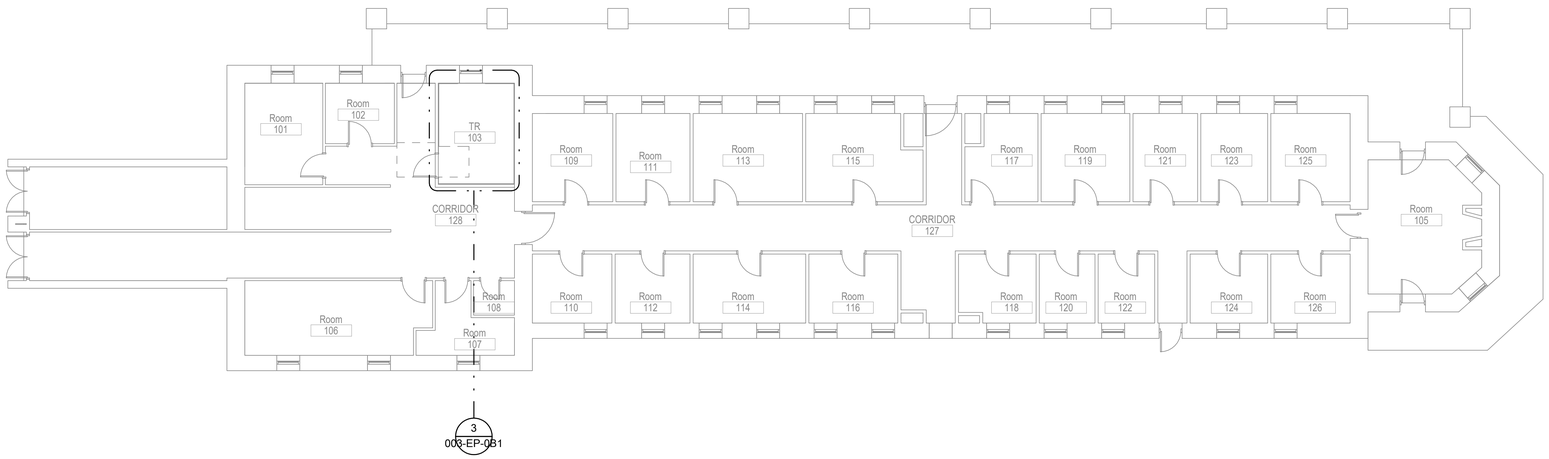
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

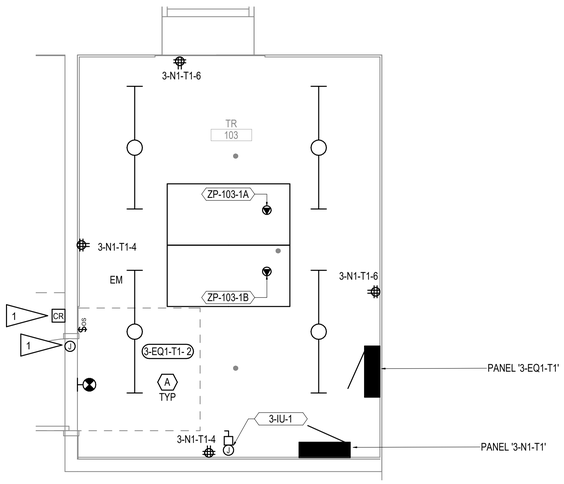
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



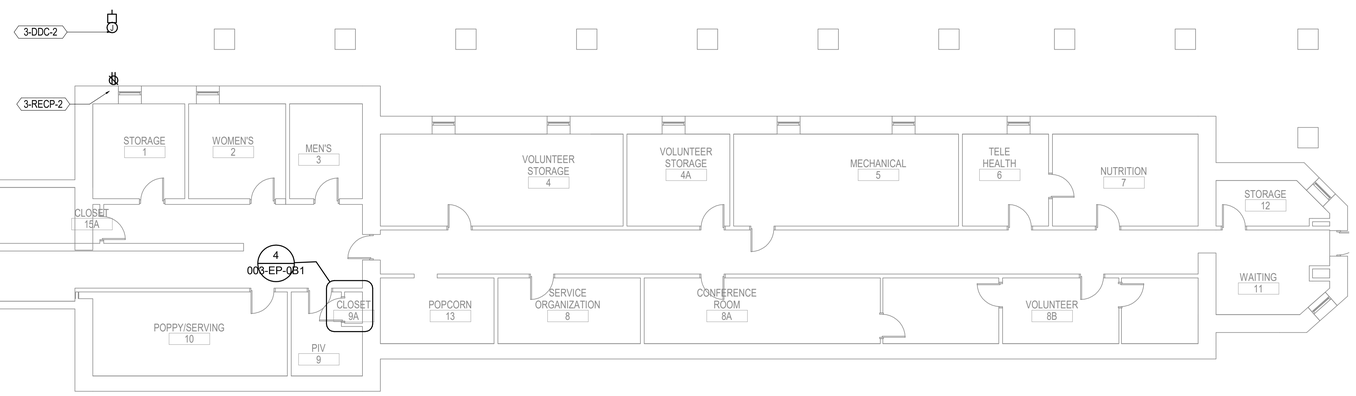
2 ELECTRICAL REMODEL - BLDG 3 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH



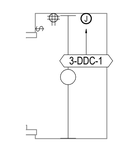
3 ENLARGED ROOM - 103 ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH



1 ELECTRICAL REMODEL - BLDG 3 BASEMENT
1/8" = 1'-0"

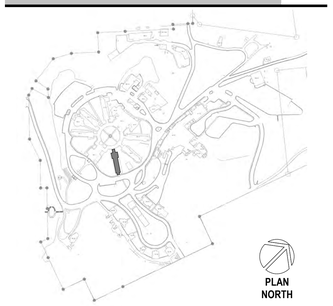
PLAN NORTH



4 ENLARGED ROOM - B9A ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 49TH JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

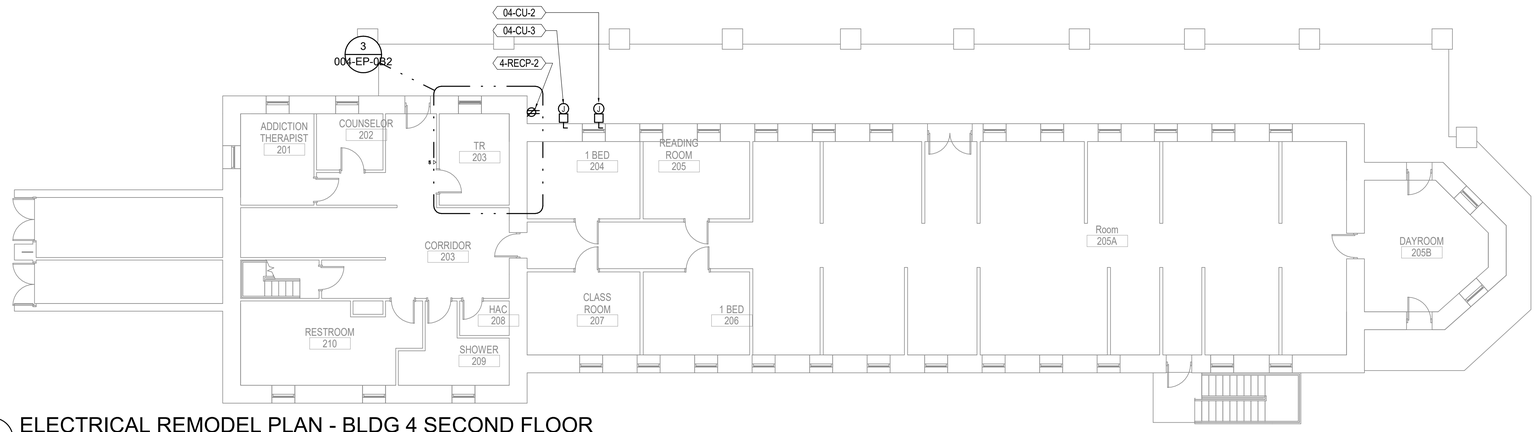
VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL REMODEL PLAN - BLDG 3	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 03
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 003-EP-0B1

VA FORM 08 - 6231

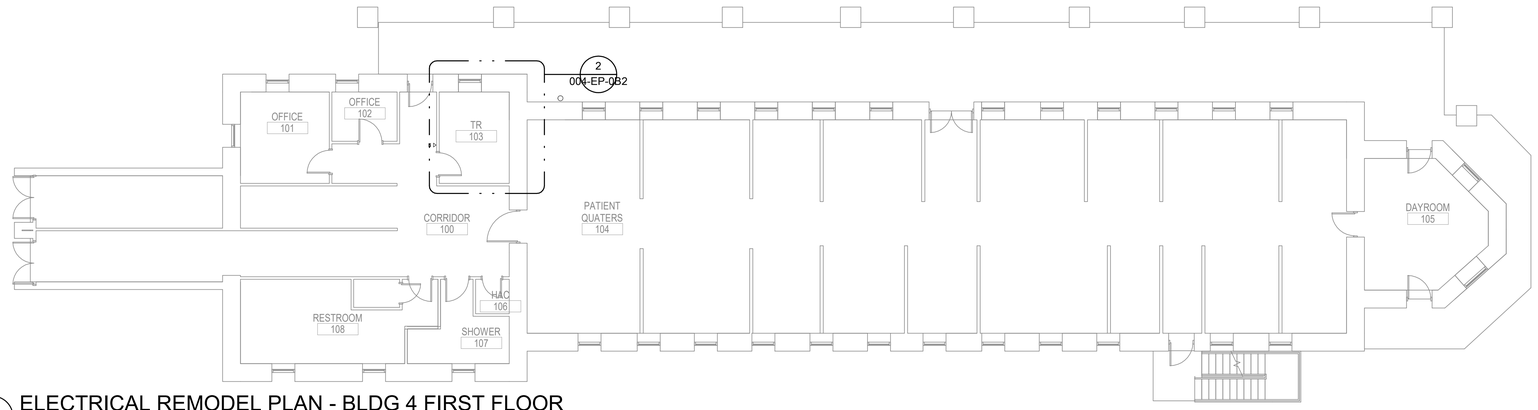
4/28/2022 8:31:25 AM

C:\Users\Caleb\Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 3_r20_4koppQCSETM.rvt



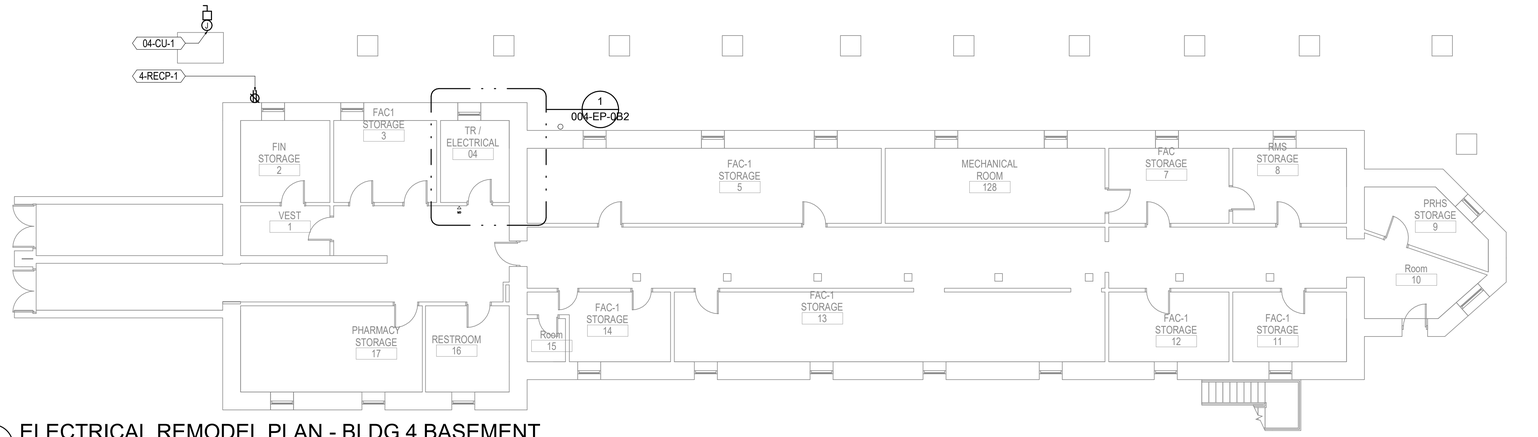
3 ELECTRICAL REMODEL PLAN - BLDG 4 SECOND FLOOR
1/8" = 1'-0"

PLAN NORTH



2 ELECTRICAL REMODEL PLAN - BLDG 4 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH



1 ELECTRICAL REMODEL PLAN - BLDG 4 BASEMENT
1/8" = 1'-0"

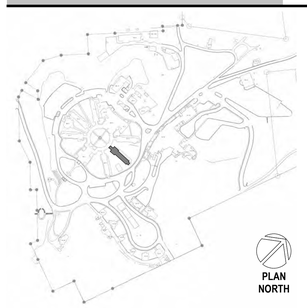
PLAN NORTH

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON SHEET 004-EP-021 FOR POWER REQUIREMENTS.

B. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
4 QTR
JEREMY A. MAXIEY
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 4 LAYOUTS	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 04
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	DRAWING NUMBER: 004-EP-0B1

VA FORM 08 - 6231

2/22/2022 6:08:01 PM

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCALSM1121_ESSERIES_BLDG 4 -20_Jeopp\CGETM.rvt

EQUIPMENT SCHEDULE - BUILDING 4

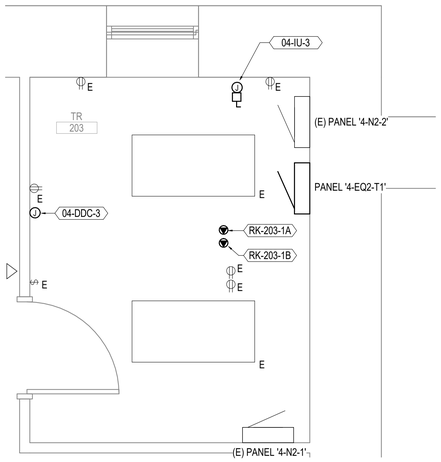
ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
4-IU-1	AC INDOOR UNIT	-	30	-	-	208	1	X	4-NB-1-18,20	0.75"C, 2#8, 1#10 GND	INTEGRAL CONTROLLER
4-IU-2	AC INDOOR UNIT	-	30	-	-	208	1	X	4-N1-1-23,25	0.75"C, 2#8, 1#10 GND	INTEGRAL CONTROLLER
4-IU-3	AC INDOOR UNIT	-	30	-	-	208	1	X	4-N2-1-25,27	0.75"C, 2#8, 1#10 GND	INTEGRAL CONTROLLER
4-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	4-NB-1-14,16	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
4-CU-2	CONDENSING UNIT	-	20.5	-	-	208	1	X	4-N1-1-19,21	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
4-CU-3	CONDENSING UNIT	-	20.5	-	-	208	1	X	4-N2-1-26.28	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
4-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	4-EQB-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
4-DDC-2	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	4-EQ1-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
4-DDC-3	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	4-EQ2-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-04-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	4-EQB-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-04-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	4-NB-1-8,10,12	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-103-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	4-EQ1-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-103-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	4-N1-2-9,11,13	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-203-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	4-EQ2-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-203-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	4-N2-2-12,14,16	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
4-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	4-NB-1-22	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE
4-RECP-2	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	4-N2-1-1	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

GENERAL NOTES:

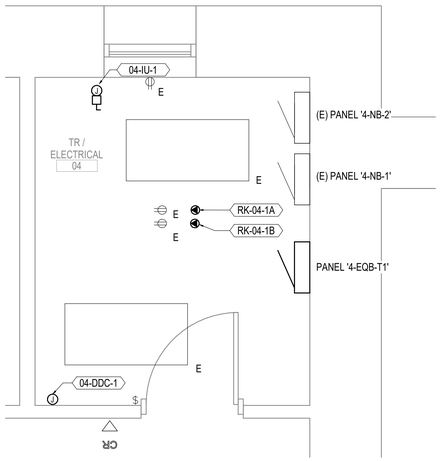
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

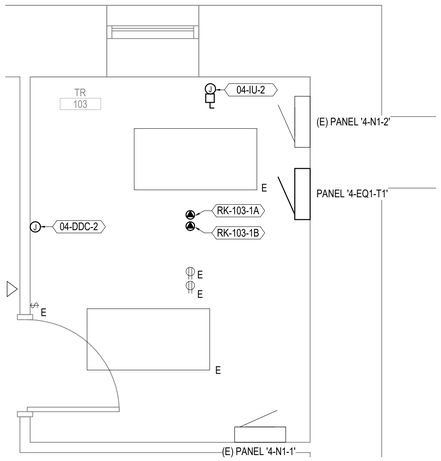
C. PROVIDE RELOCATION OF EXISTING LED LIGHTING ONLY AS REQUIRED TO ACCOMMODATE NEW EQUIPMENT.



3 ENLARGED ROOM - 203 ELECTRICAL REMODEL
1/2" = 1'-0"
PLAN NORTH

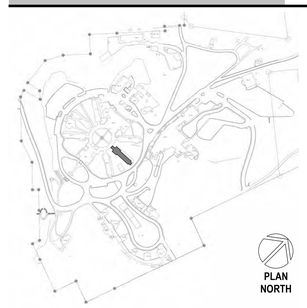


1 ENLARGED ROOM - 04 ELECTRICAL REMODEL
1/2" = 1'-0"
PLAN NORTH



2 ENLARGED ROOM - 103 ELECTRICAL REMODEL
1/2" = 1'-0"
PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
4 QTR
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 4 ENLARGED PLANS

PHASE: 100% CD FINAL SOLUTION

PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES

PROJECT NUMBER: 568A4-21-702

BUILDING NUMBER: 04

APPROVED: Project Director

FLS: FULLY SPRINKLERED

LOCATION: HOT SPRINGS, SOUTH DAKOTA

ISSUE DATE: 2/22/2022 | CHECKED BY: JAM | DRAWN BY: NVF

DRAWING NUMBER: 004-EP-0B2

VA FORM 08 - 6231

2/22/2022 6:06:02 PM

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 4_r20_ckopp@QSETM.rvt

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

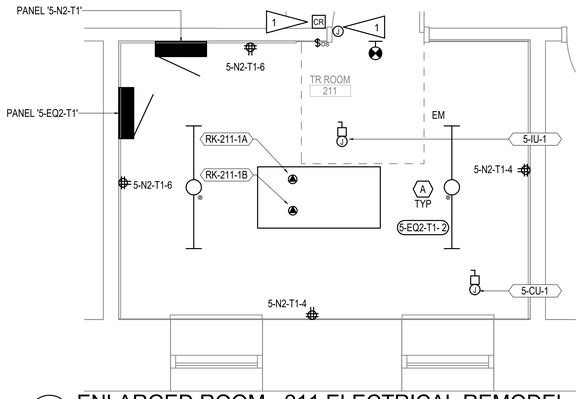
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

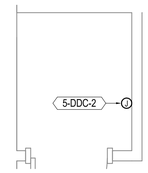
1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.

EQUIPMENT SCHEDULE - BUILDING 5

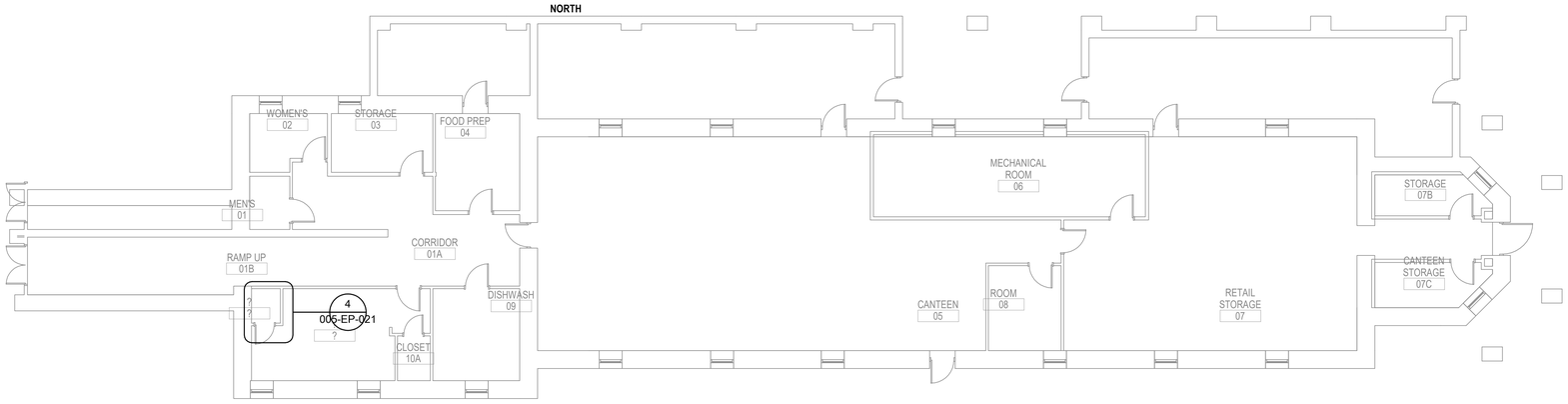
ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
5-IU-1	AC INDOOR UNIT	-	34.2	-	-	208	1	X	5-N2-T1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
5-CU-1	CONDENSING UNIT	-	20.8	-	-	208	1	X	5-N2-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
5-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	5-EQ2-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-211-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	5-EQ2-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-211-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	5-N2-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001



3 ENLARGED ROOM - 211 ELECTRICAL REMODEL
1/2" = 1'-0"

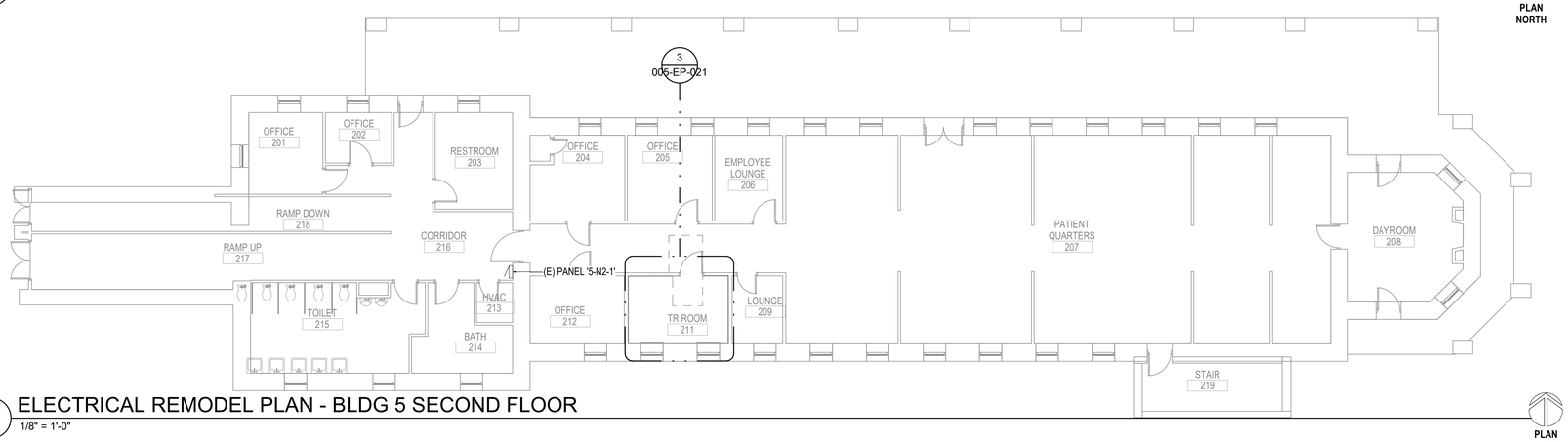


4 ENLARGED ROOM - 10B ELECTRICAL REMODEL
1/2" = 1'-0"



2 ELECTRICAL REMODEL PLAN - BLDG 5 BASEMENT
1/8" = 1'-0"

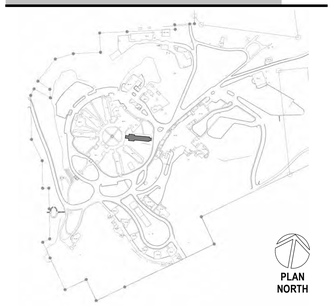
PLAN NORTH



1 ELECTRICAL REMODEL PLAN - BLDG 5 SECOND FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

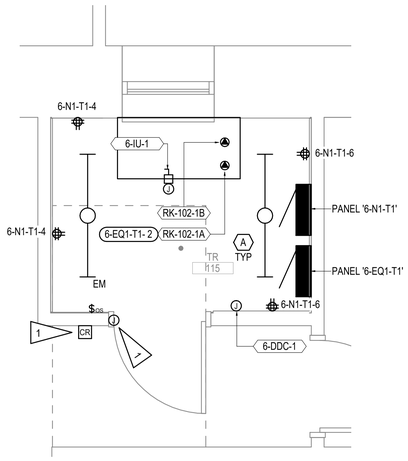
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 5 SECOND FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 05
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 005-EP-021
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

C:\Users\Caleb Kopp\Documents\REVIT 2020\ LOCALSM1121_ESERIES_BLDG 5_r20_ckopp\CKETM.rvt

2/22/2022 6:18:31 PM

VA FORM 08 - 6231



2 ENLARGED ROOM - 115 ELECTRICAL REMODEL

1/2" = 1'-0"

PLAN NORTH

EQUIPMENT SCHEDULE - BUILDING 6

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
6-IU-1	AC INDOOR UNIT	-	34.2	-	-	208	1	X	6-N1-T1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
6-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	6-N1-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
6-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	6-EQ1-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-102-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	6-EQ1-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-102-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	6-N1-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
6-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	6-N1-T1-2	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

GENERAL NOTES:

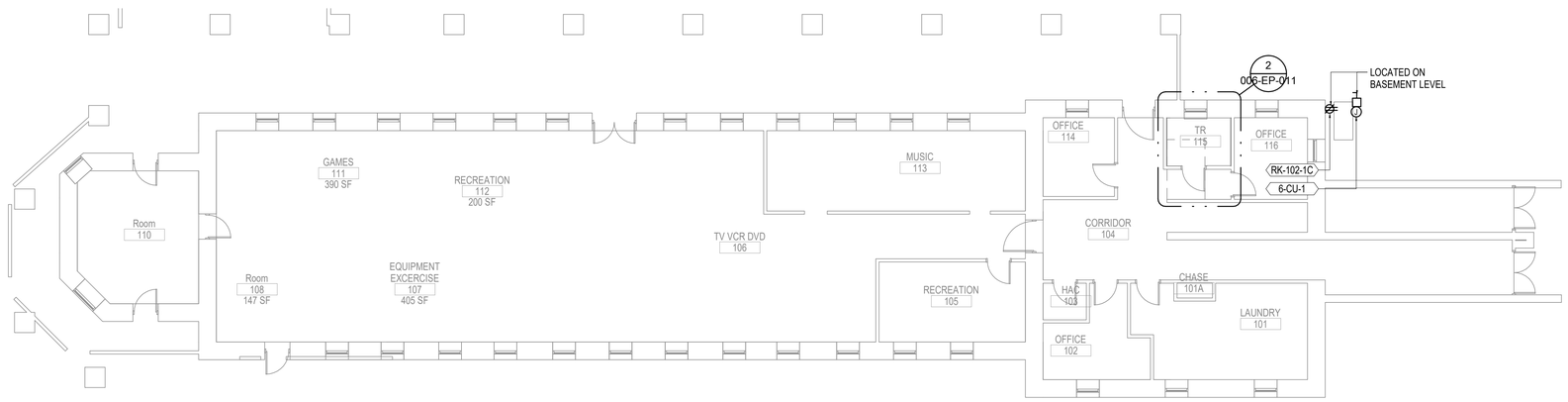
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.

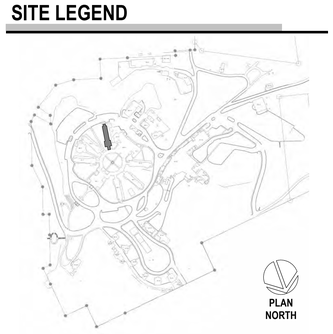


1 ELECTRICAL REMODEL PLAN - BLDG 6 FIRST FLOOR

1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 6 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 06
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 006-EP-011
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

2/22/2022 6:21:16 PM

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 6_(20_)kopp\CSETM.rvt

EQUIPMENT SCHEDULE - BUILDING 7

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
7-IU-1	AC INDOOR UNIT	-	34.2	-	-	208	1	X	7-N1-T1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
7-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	7-N1-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
7-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	7-EQ1-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-110-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	7-EQ1-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-110-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	7-N1-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
7-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	7-N1-T1-2	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

GENERAL NOTES:

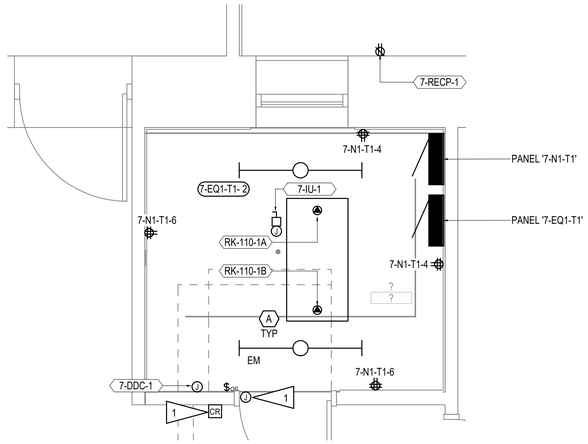
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

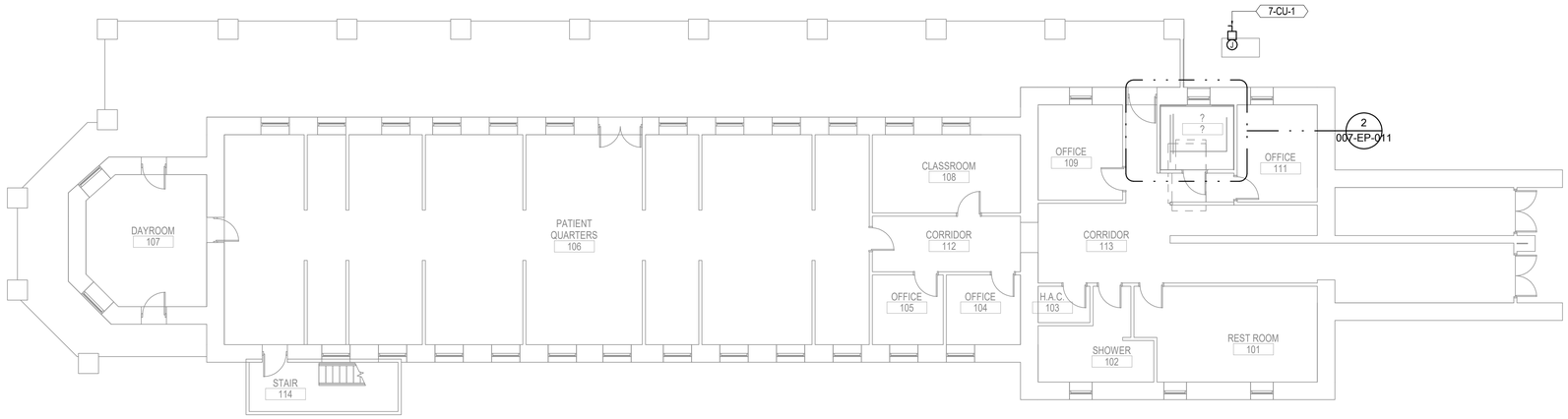
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



2 ENLARGED ROOM - 110 ELECTRICAL REMODEL
1/2" = 1'-0"

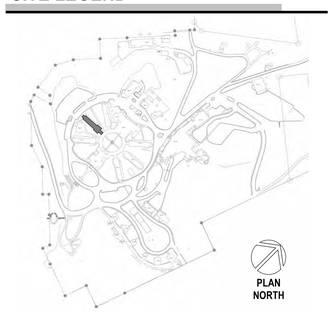
PLAN NORTH



1 ELECTRICAL REMODEL PLAN - BLDG 7 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM of Oregon
1584 McNeil St. Suite 200
Dupont, WA 98327
P: 360.915.5128
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA — JEREMY A. MAXIE — EE-113847 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL REMODEL PLAN - BLDG 7 FIRST FLOOR	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Porject Director	FLS: FULLY SPRINKLERED	LOCATION	BUILDING NUMBER: 07
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 007-EP-011

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 7_R20_ckopp@CSETM.rvt
3/14/2022 10:14:44 AM

EQUIPMENT SCHEDULE - BUILDING 8

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
8-IU-1	AC INDOOR UNIT	-	34.2	-	-	208	1	X	8-N1-T1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
8-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	8-N1-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
8-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	8-EQ1-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-107-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	8-EQ1-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-107-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	8-N1-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
8-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	8-N1-T1-2	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

GENERAL NOTES:

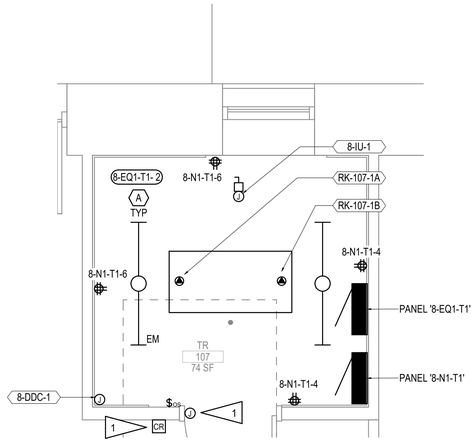
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

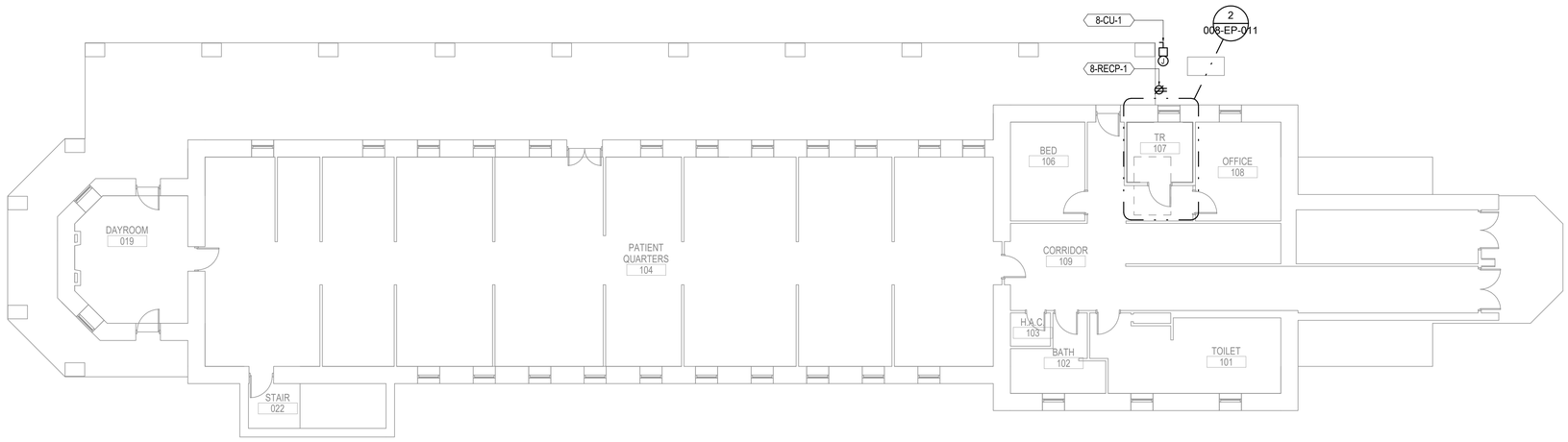
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



2 ENLARGED ROOM - 107 ELECTRICAL REMODEL
1/2" = 1'-0"

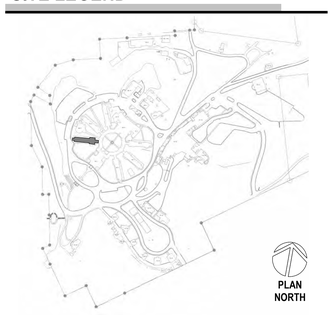
PLAN NORTH



1 ELECTRICAL REMODEL PLAN - BLDG 8 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

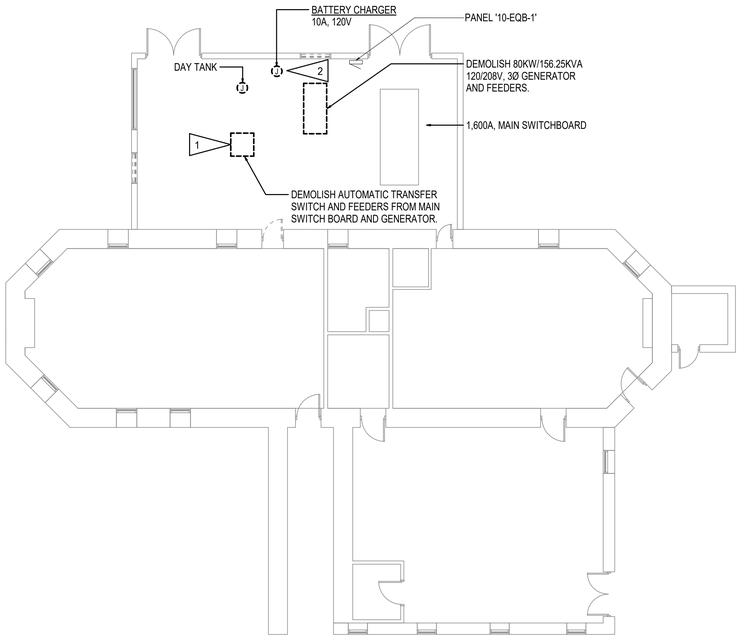
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 8 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 08
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 008-EP-011
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCAL\SM1121_ESERIES_BLDG 8_r20_Kopp\CSETM.rvt

2/22/2022 6:29:09 PM

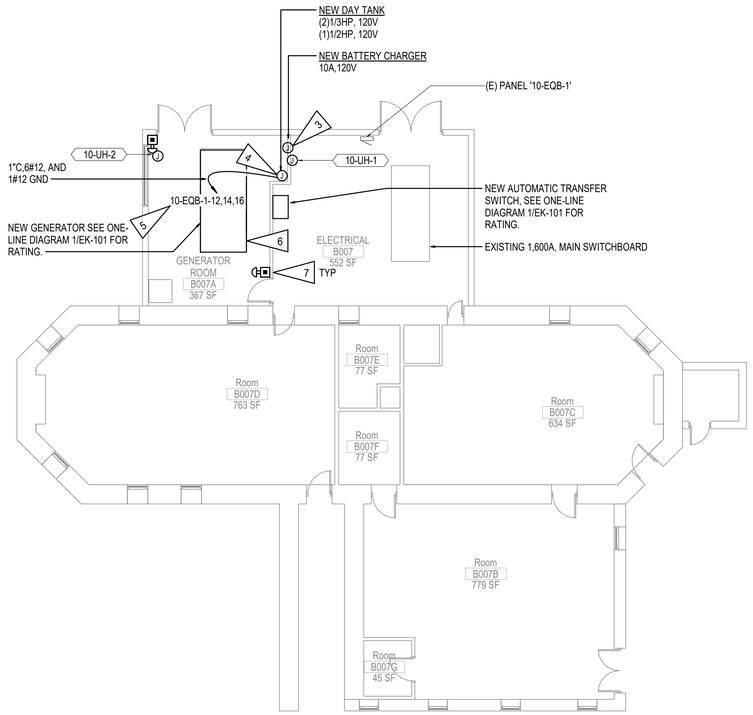
VA FORM 08 - 6231



1 ELECTRICAL DEMOLITION PLAN - BLDG 10

1/8" = 1'-0"

PLAN NORTH



2 ELECTRICAL REMODEL PLAN - BLDG 10

1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND 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 SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

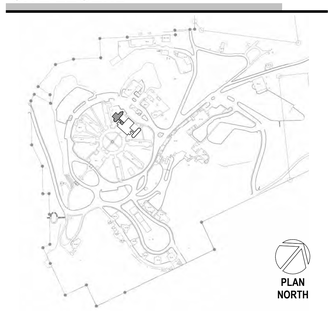
SHEET NOTES: 1

1. AT CONTRACTOR'S OPTION EXISTING CONDUIT MAY BE SALVAGED BETWEEN MAIN SWITCHBOARD AND TRANSFER SWITCH IF APPROPRIATELY SIZED. SEE ONE-LINE DIAGRAM FOR NEW FEEDER SIZE.
2. SALVAGE CIRCUIT FOR CONNECTION TO NEW BATTERY CHARGER IN EXISTING LOCATION.
3. PROVIDE EXTENSION OF EXISTING CIRCUIT TO NEW CHARGER IN EXISTING LOCATION. PROVIDE JUNCTION BOXES, CONDUIT, AND WIRE AS REQUIRED.
4. 50 GALLON DAY TANK WITH INTEGRAL CONTROLS, AND LEVEL SWITCHES, ALARMS, ALARMS, DUPLEX POWER SUPPLY PUMPS AND (1) RETURN PUMP. THE DUPLEX PUMPS ARE CONTROLLED SUCH THAT ONLY ONE MAY RUN AT A TIME. SIMPLEX RELIANT 50 OR APPROVED EQUAL. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED PRIOR TO INSTALLATION.
5. INSTALL (3) NEW 15A, 1P, CIRCUIT BREAKERS IN SPACE AVAILABLE IN THE EXISTING PANEL. THE EXISTING PANEL IS A WESTINGHOUSE TYPE PRL1, 120/208V, 3Ø, 4W, WITH 100A MAIN LUGS. THE NEW CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING TO MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL.
6. ANY ALARM OR SHUTDOWN OF GENERATOR TO PROVIDE A TROUBLE ALARM AT THE FIRE ALARM CONTROL PANEL. INSTALL PER MANUFACTURERS INSTRUCTIONS.
7. GENERATOR EMERGENCY POWER SHUT OFF PUSHBUTTON.

EQUIPMENT SCHEDULE - BUILDING 10

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
10-UH-1	UNIT HEATER	-	104.2	-	-	208	3	X	SEE ONE-LINE. SHEET EK-102	1.5"C, 3#1, 1#6 GND	COORDINATE WITH MECH FOR LOCATION
10-UH-2	UNIT HEATER	-	104.2	-	-	208	3	X	SEE ONE-LINE. SHEET EK-102	1.5"C, 3#1, 1#6 GND	COORDINATE WITH MECH FOR LOCATION

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN STR, UNIT 3
BINGEN,WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
3/9/22
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	BUILDING 10 ELECTRICAL PLANS
PHASE	100% CD FINAL SOLUTION
PROJECT TITLE	EHRM INFRASTRUCTURE UPGRADES
PROJECT NUMBER	568A4-21-702
BUILDING NUMBER	N/A
APPROVED: Project Director	
FLS	FULLY SPRINKLERED
LOCATION	HOT SPRINGS, SOUTH DAKOTA
ISSUE DATE	02/22/2022
CHECKED BY	JAM
DRAWN BY	PCC
DRAWING NUMBER	010-EP-0B1

VA FORM 08 - 6231

3/14/2022 10:34:07 AM

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1121_ESERIES_BLDG 1_r20_KoppCAGETM.rvt

EQUIPMENT SCHEDULE - BUILDING 11

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
11-IU-1	AC INDOOR UNIT	-	34.2	-	-	208	1	X	11-NB-T1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
11-CU-3	CONDENSING UNIT	-	20.5	-	-	208	1	X	11-NB-T1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
11-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	11-EQB-T1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-01-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	11-EQB-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-01-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	11-NB-T1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
11-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	11-NB-T1-2	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

GENERAL NOTES:

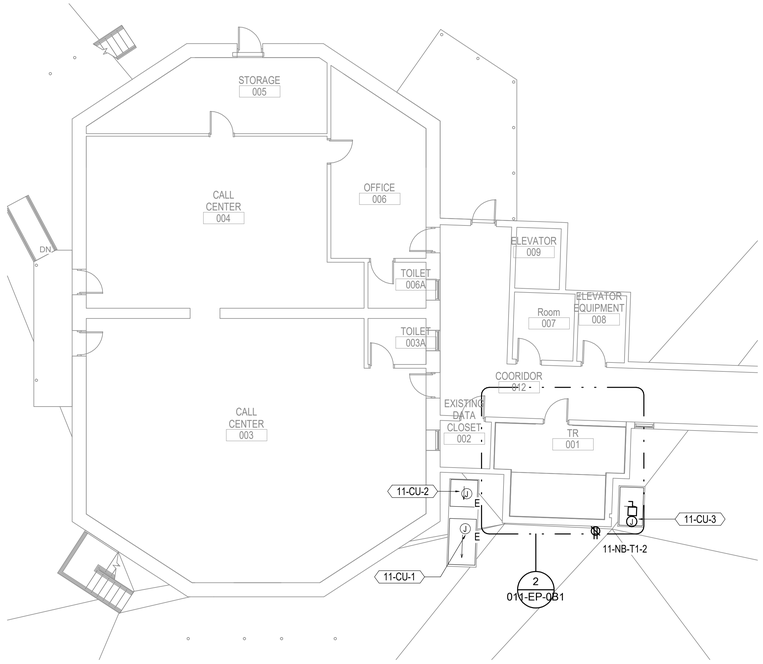
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

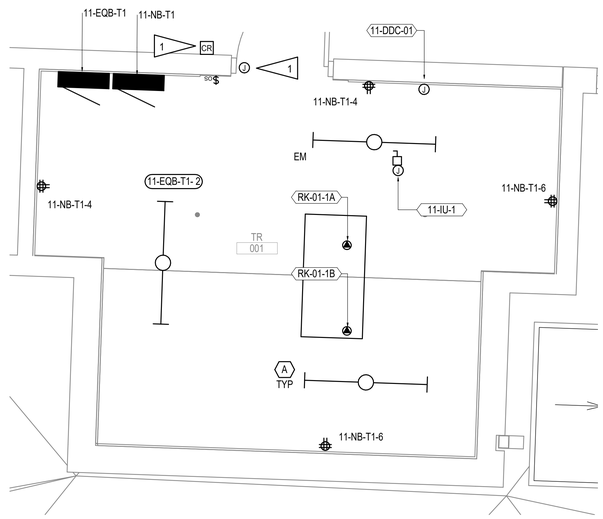
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



1 ELECTRICAL REMODEL PLAN - BLDG 11 BASEMENT
1/8" = 1'-0"

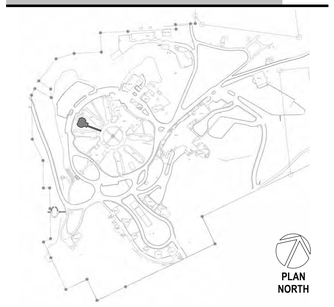
PLAN NORTH



2 ENLARGED ROOM - 01 ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
49th
JEREMY A. MAXIE
EE-113847
2/22/2022
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 11	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 11
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 011-EP-0B1

2/22/2022 6:55:03 PM

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCALSM1121_ESSERIES_BLDG 11_2D_kopjpCSZETM.rvt

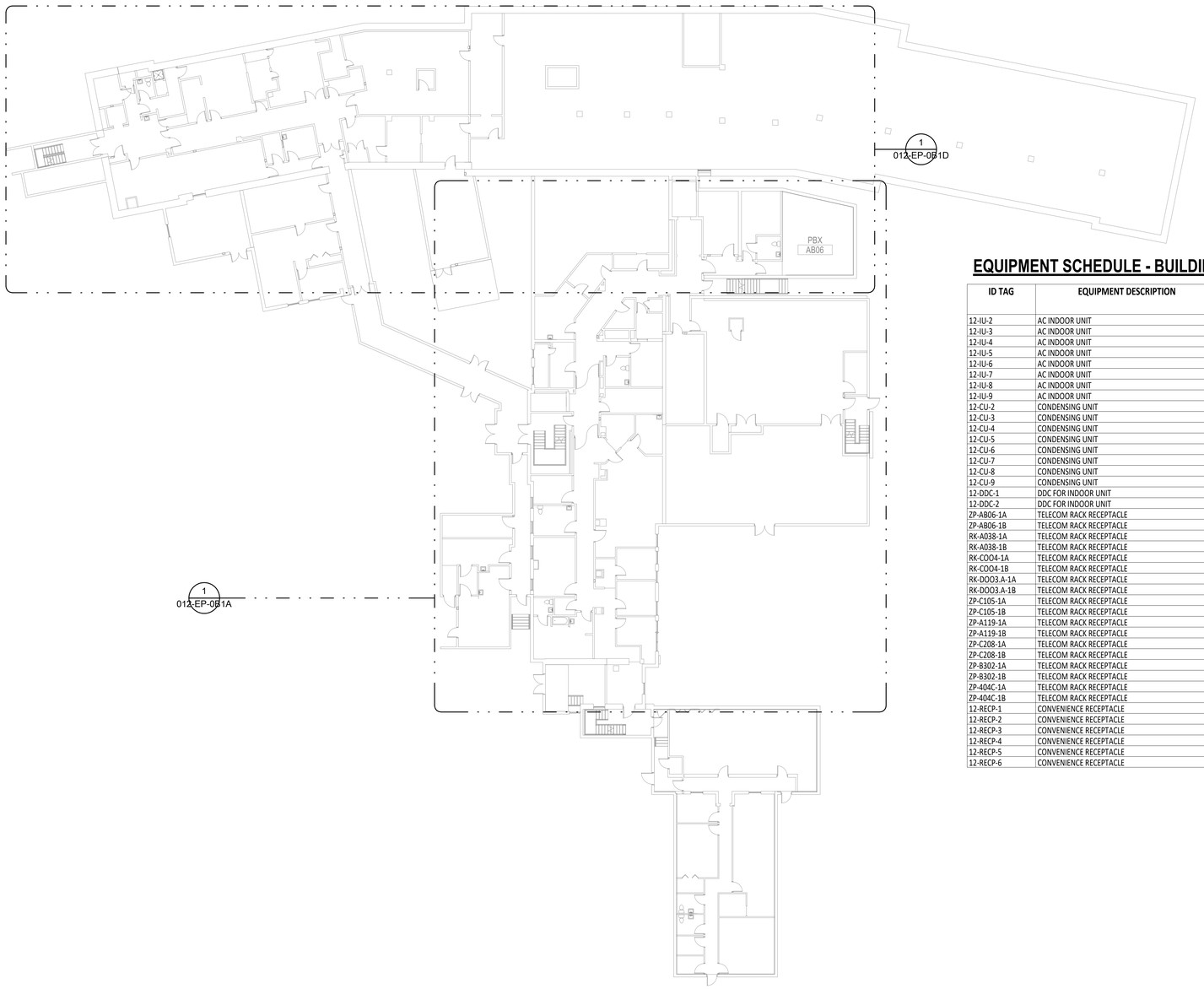
VA FORM 08 - 6231

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

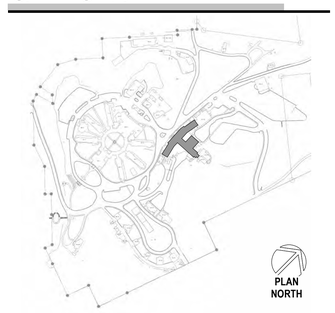
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.



EQUIPMENT SCHEDULE - BUILDING 12

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
12-IU-2	AC INDOOR UNIT	-	37.6	-	-	208	3	X	GE-NT1-7,9,11	1"C, 3#6, 1#10 GND	INTEGRAL CONTROLLER
12-IU-3	AC INDOOR UNIT	-	34.2	-	-	208	1	X	GN-NT1-7,9	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
12-IU-4	AC INDOOR UNIT	-	34.2	-	-	208	1	X	GN-NT1-15,17	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
12-IU-5	AC INDOOR UNIT	-	42.8	-	-	208	3	X	1N-NT1-8,10,12	1"C, 3#6, 1#10 GND	INTEGRAL CONTROLLER
12-IU-6	AC INDOOR UNIT	-	37.6	-	-	208	3	X	1E-NT1-7,9,11	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
12-IU-7	AC INDOOR UNIT	-	67.5	-	-	208	3	X	2N-NT1-7,9,11	1.25"C, 3#3, 1#8 GND	INTEGRAL CONTROLLER
12-IU-8	AC INDOOR UNIT	-	42.8	-	-	208	3	X	3N-NT1-7,9,11	1"C, 3#6, 1#10 GND	INTEGRAL CONTROLLER
12-IU-9	AC INDOOR UNIT	-	67.5	-	-	208	3	X	4N-NT1-7,9,11	1.25"C, 3#3, 1#8 GND	INTEGRAL CONTROLLER
12-CU-2	CONDENSING UNIT	-	3	-	-	208	3	X	GE-NT1-13,15,17	0.75"C, 3#12, 1#12 GND	INTEGRAL CONTROLLER
12-CU-3	CONDENSING UNIT	-	20.5	-	-	208	1	X	GN-NT1-11,13	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
12-CU-4	CONDENSING UNIT	-	20.5	-	-	208	1	X	GN-NT1-18,20	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
12-CU-5	CONDENSING UNIT	-	23.4	-	-	208	3	X	1N-NT1-15,16,18	0.75"C, 3#10, 1#10 GND	INTEGRAL CONTROLLER
12-CU-6	CONDENSING UNIT	-	3	-	-	208	3	X	1E-NT1-13,15,17	0.75"C, 3#12, 1#12 GND	INTEGRAL CONTROLLER
12-CU-7	CONDENSING UNIT	-	3	-	-	208	3	X	2N-NT1-13,15,17	0.75"C, 3#12, 1#12 GND	INTEGRAL CONTROLLER
12-CU-8	CONDENSING UNIT	-	23.4	-	-	208	3	X	3N-NT1-13,15,17	0.75"C, 3#10, 1#10 GND	INTEGRAL CONTROLLER
12-CU-9	CONDENSING UNIT	-	3	-	-	208	3	X	4N-NT1-13,15,17	0.75"C, 3#12, 1#12 GND	INTEGRAL CONTROLLER
12-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	GN-EQT1-4	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
12-DDC-2	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	GN-EQT1-8	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
ZP-A806-1A	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	BE-LS1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-A806-1B	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	BE-NT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
RK-A038-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	GE-EQT1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-A038-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	GE-NT1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-C004-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	GN-EQT1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-C004-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	GN-NT1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-D003.A-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	GN-EQT1-7,9,11	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-D003.A-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	GN-NT1-10,12,14	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
ZP-C105-1A	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	1N-EQT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-C105-1B	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	1N-NT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-A119-1A	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	1E-EQT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-A119-1B	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	1E-NT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-C208-1A	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	2N-EQT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-C208-1B	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	2N-NT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-B302-1A	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	3N-EQT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-B302-1B	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	3N-NT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-404C-1A	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	4N-EQT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-404C-1B	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	4N-NT1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
12-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	GE-NT1-8	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE
12-RECP-2	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	GN-NT1-8	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE
12-RECP-3	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	GN-NT1-2	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE
12-RECP-4	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	1E-NT1-8	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE
12-RECP-5	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	1N-NT1-19	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE
12-RECP-6	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	4N-NT1-8	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

SITE LEGEND



PLAN NORTH

1 ELECTRICAL REMODEL LAYOUT - BLDG 12 BASEMENT
1/16" = 1'-0"

PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 12 BASEMENT	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-0B1

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCAL\SM1121_ESERIES_BLDG 12_-20_dkopp2QETM.rvt

2/22/2022 6:49:17 PM

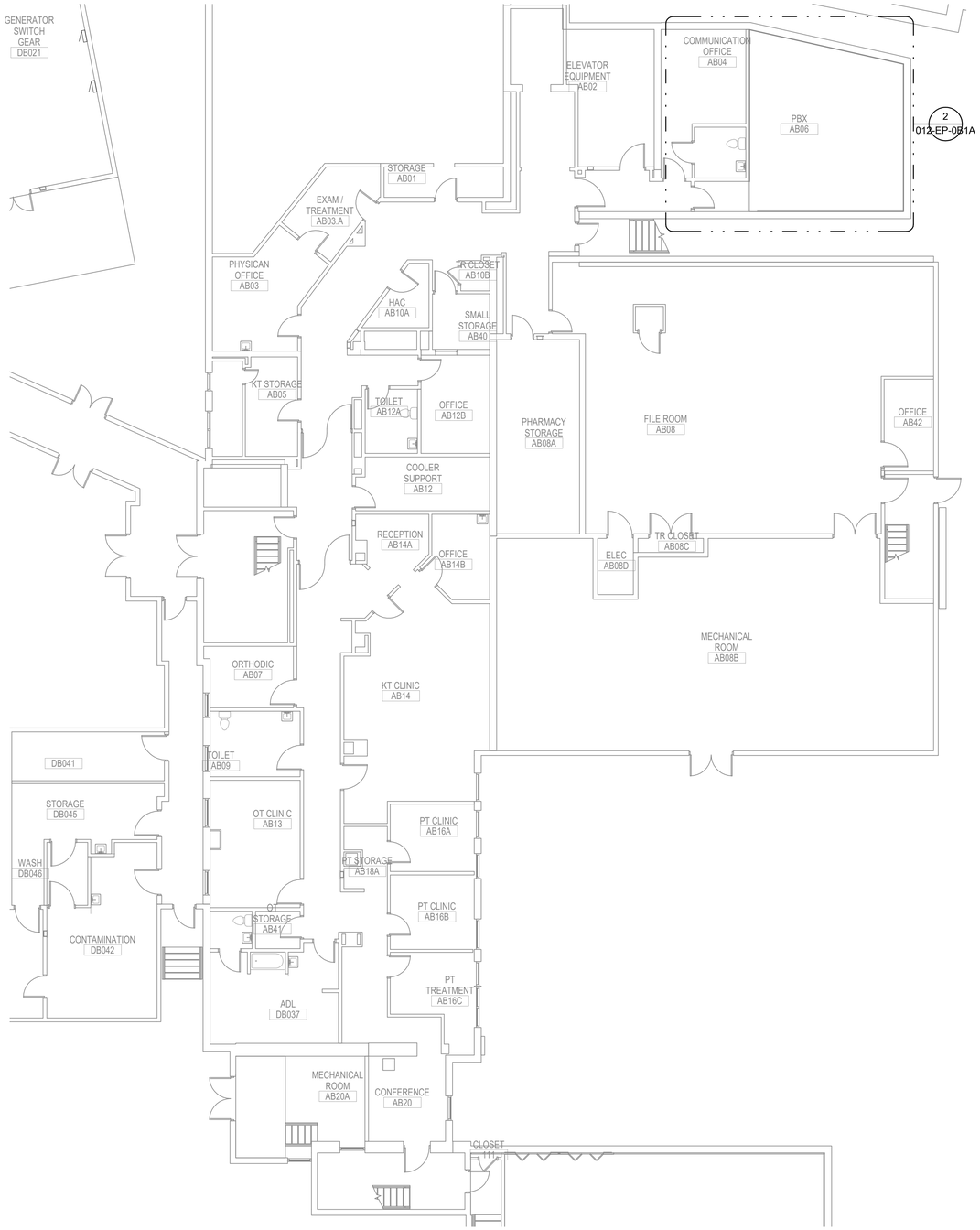
VA FORM 08 - 6231

GENERAL NOTES:

A. SEE SHEET 012-EP-0B1 FOR GENERAL NOTES.

SHEET NOTES: 1

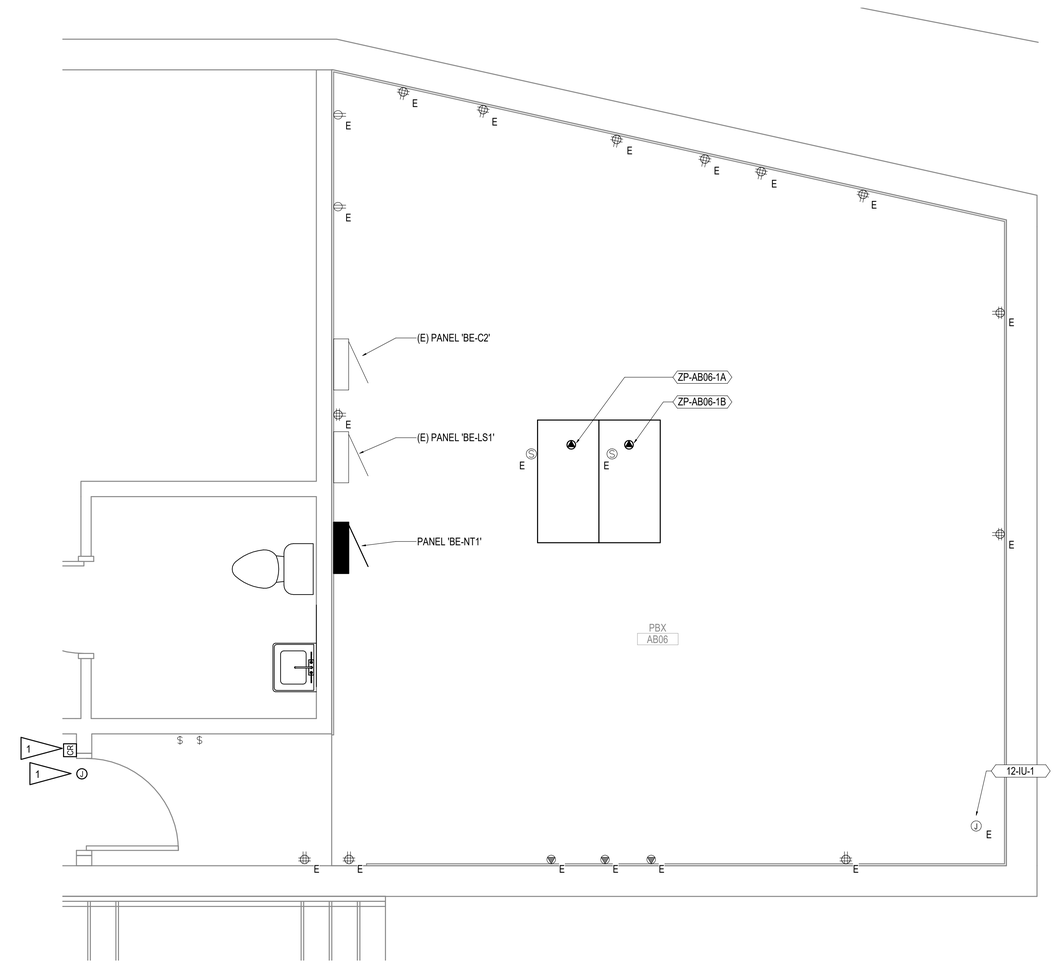
1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



1 ELECTRICAL REMODEL PLAN - BLDG 12 BASEMENT SECTOR A

1/8" = 1'-0"

PLAN NORTH

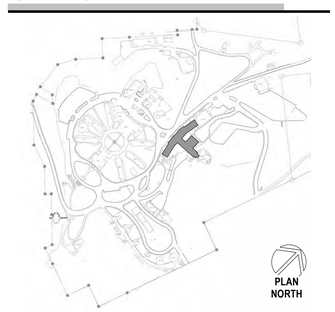


2 ENLARGED ROOM - AB06 ELECTRICAL REMODEL

1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA 49th JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMOD - BLDG 12 BASEMENT A ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-0B1A

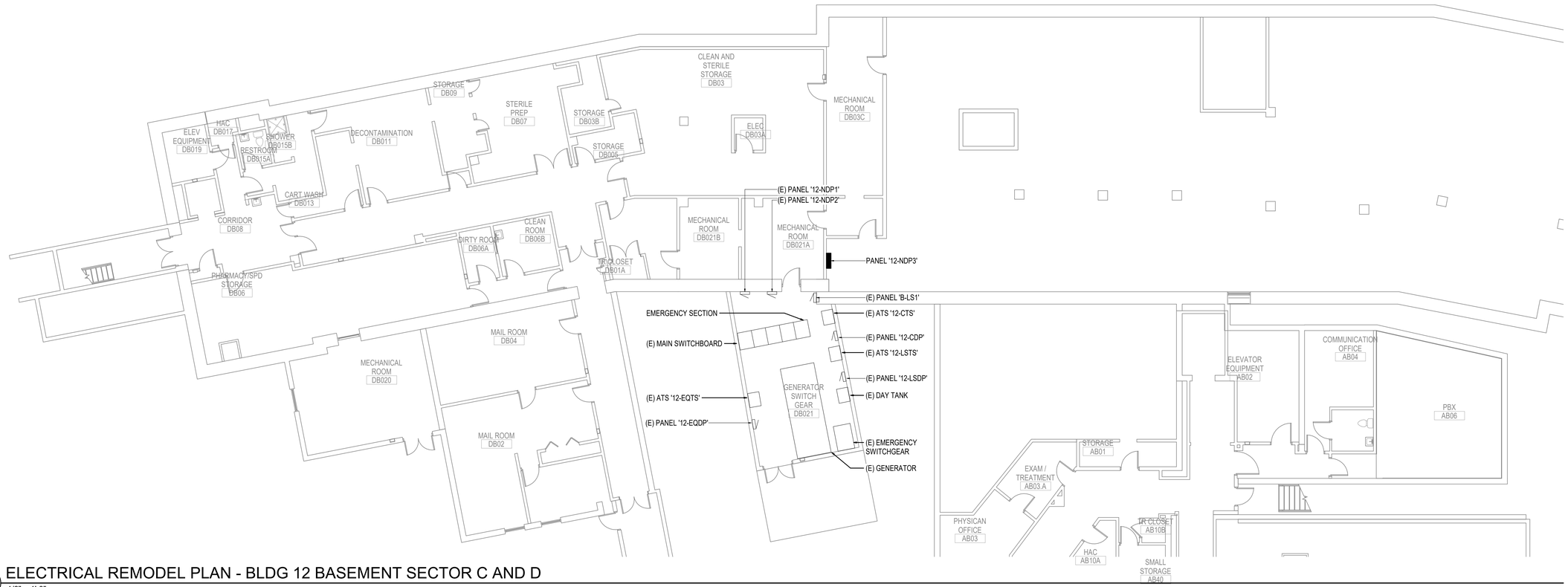
VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 12_r20_kopp0CSETM.rvt

2/22/2022 6:41:18 PM

GENERAL NOTES:

A. SEE SHEET 012-EP-0B1 FOR GENERAL NOTES.



1 ELECTRICAL REMODEL PLAN - BLDG 12 BASEMENT SECTOR C AND D

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS - ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL - BLDG 12 BASEMENT C/D	PHASE: FILE ROOM AB08 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-EP-0B1D
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCAL\SM1121_ESERIES_BLDG 12_r20_dcopp\CQETM.rvt

2/22/2022 6:49:19 PM

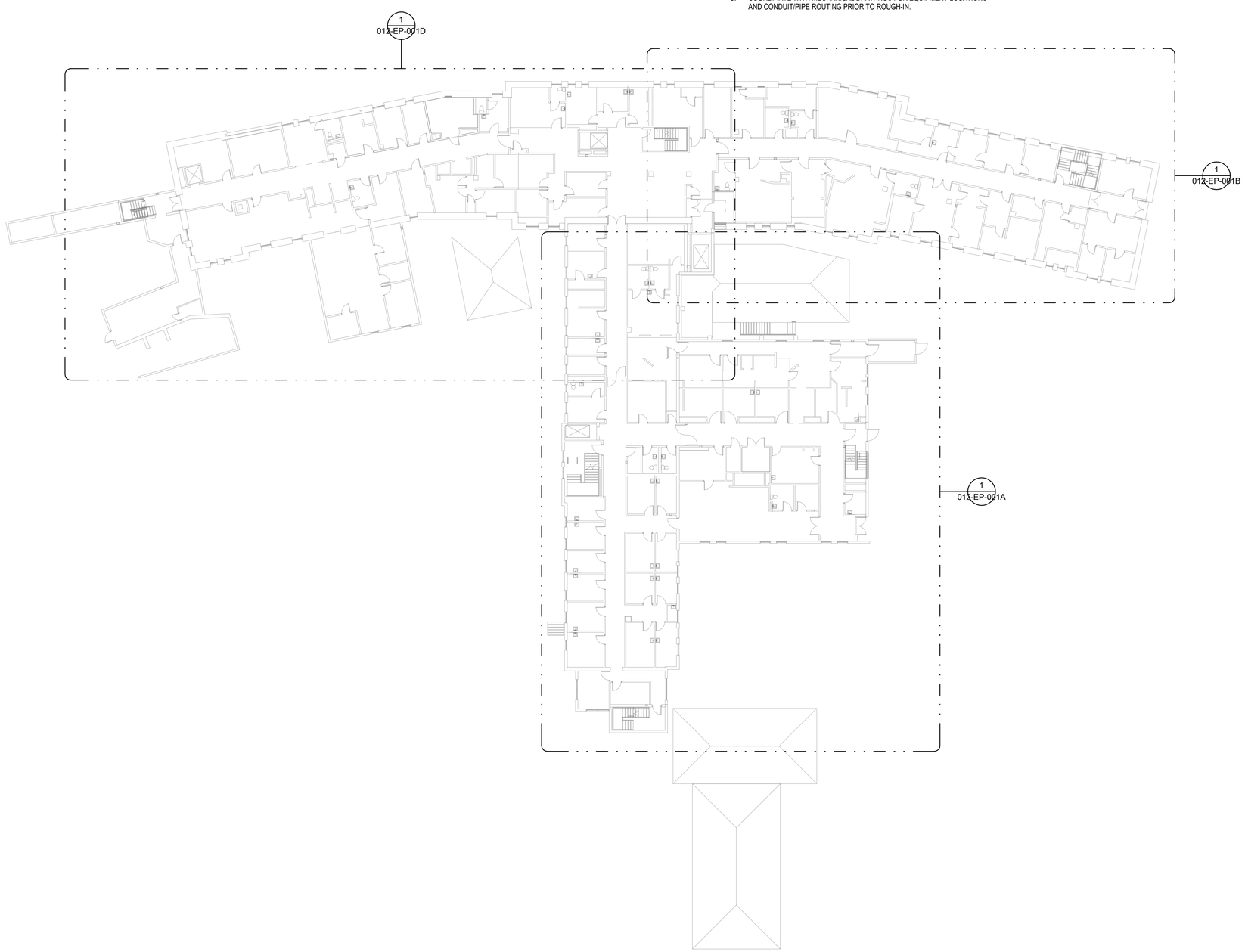
VA FORM 08 - 6231

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON SHEET 012-EP-0B1 FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

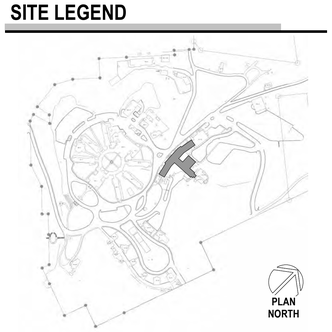
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.



1 ELECTRICAL REMODEL LAYOUT - BLDG 12 GROUND FLOOR
1/16" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 49th JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL REMODEL PLAN - BLDG 12 GROUND FLOOR	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-001

C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCALS\M1121_ESERIES_BLDG 12_r20_AcoppCKGETM.rvt

2/22/2022 6:49:20 PM

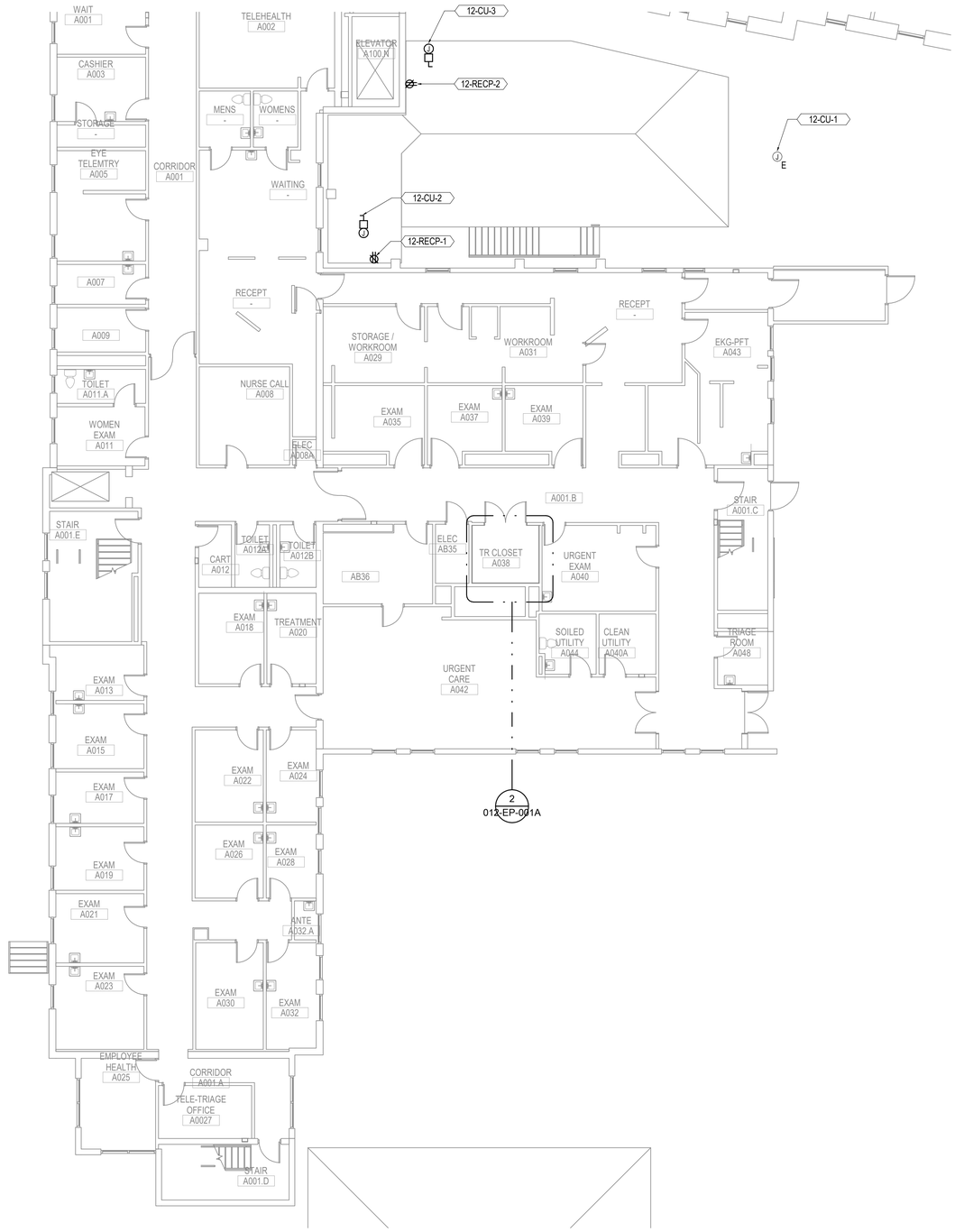
VA FORM 08 - 6231

GENERAL NOTES:

A. SEE 012-EP-001 FOR GENERAL NOTES.

SHEET NOTES: 1

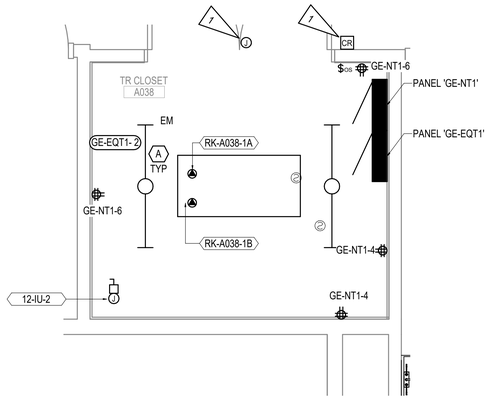
1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



1 ELECTRICAL REMODEL PLAN - BLDG 12 GROUND FLOOR SECTOR A

1/8" = 1'-0"

PLAN NORTH

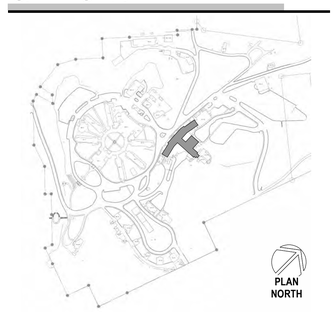


2 ENLARGED ROOM - A038 ELECTRICAL REMODEL

1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — 74 QTR — JEREMY A. MAXIEJ — EE-113847 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL REMOD - BLDG 12 GROUND FLOOR A ENLARGED	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-001A

C:\Users\Cablo\Kopp\Documents\REVIT 2020\LOCALS\M1121_ESERIES_BLDG 12_20_dkopp\QSETM.rvt

2/22/2022 6:49:22 PM

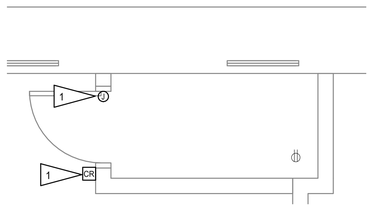
VA FORM 08 - 6231

GENERAL NOTES:

A. SEE 012-EP-001 FOR GENERAL NOTES.

SHEET NOTES:

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



2 ENLARGED ROOM - B001A ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

1 ELECTRICAL REMODEL PLAN - BLDG 12 GROUND FLOOR SECTOR B
1/8" = 1'-0"

PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMOD - BLDG 12 GROUND FLOOR B ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-EP-001B
		ISSUE DATE: 2/22/2022 · CHECKED BY: Checker · DRAWN BY: Author	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 12_r20_kopp0GETM.rvt

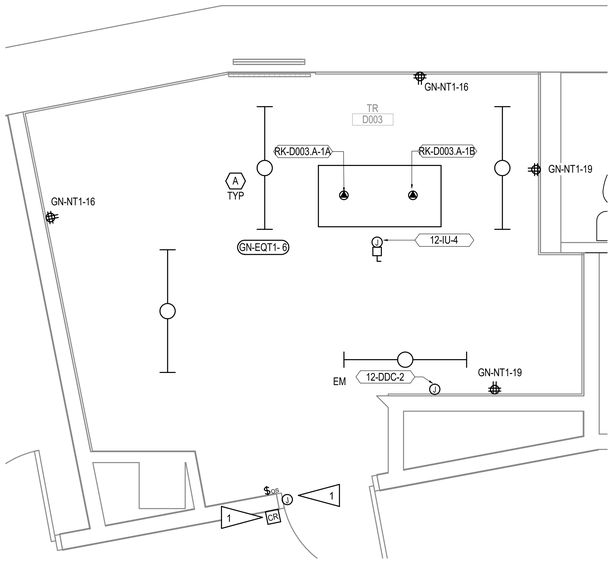
2/22/2022 6:49:22 PM

GENERAL NOTES:

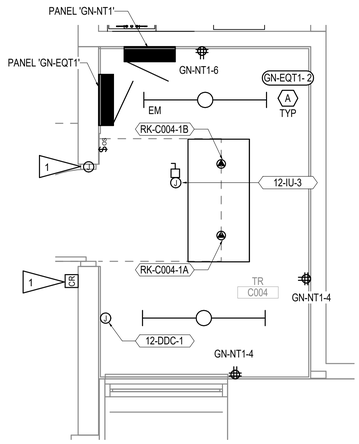
A. SEE 012-EP-001 FOR GENERAL NOTES.

SHEET NOTES: 1

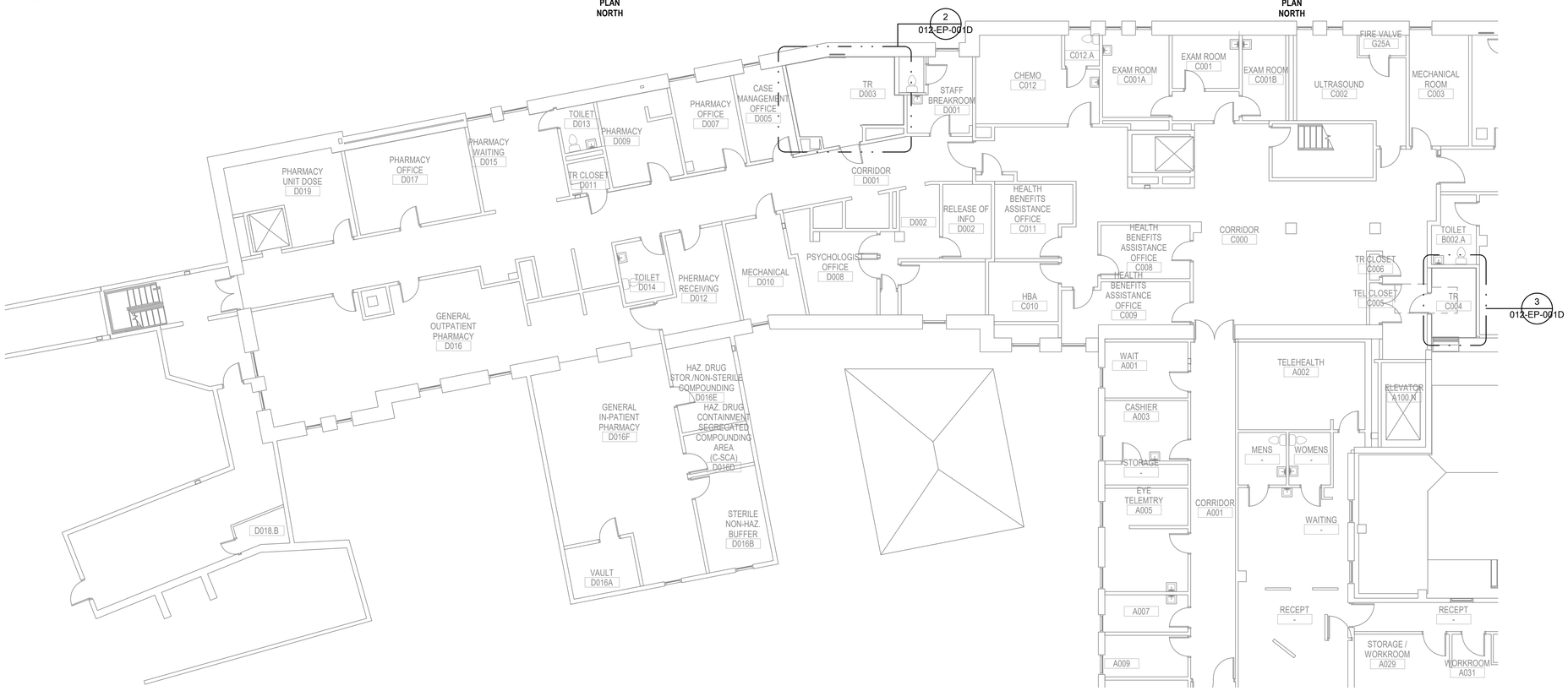
1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



2 ENLARGED ROOM - D003.A ELECTRICAL REMODEL
1/2" = 1'-0"

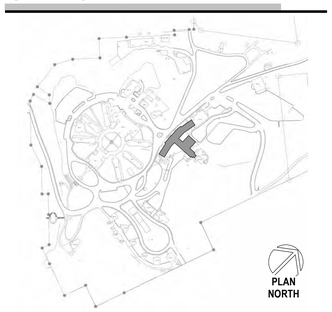


3 ENLARGED ROOM - C004 ELECTRICAL REMODEL
1/2" = 1'-0"



1 ELECTRICAL REMODEL PLAN - BLDG 12 GROUND FLOOR SECTOR C AND D
1/8" = 1'-0"

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL REMOD - BLDG 12 GROUND FLOOR C/D ENLARGED	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-001D

C:\Users\Caleb Kopp\Documents\REVIT 2020 LOCAL\SM1121_ESERIES_BLDG 12_r20_dkopp3QETM.rvt

2/22/2022 8:49:24 PM

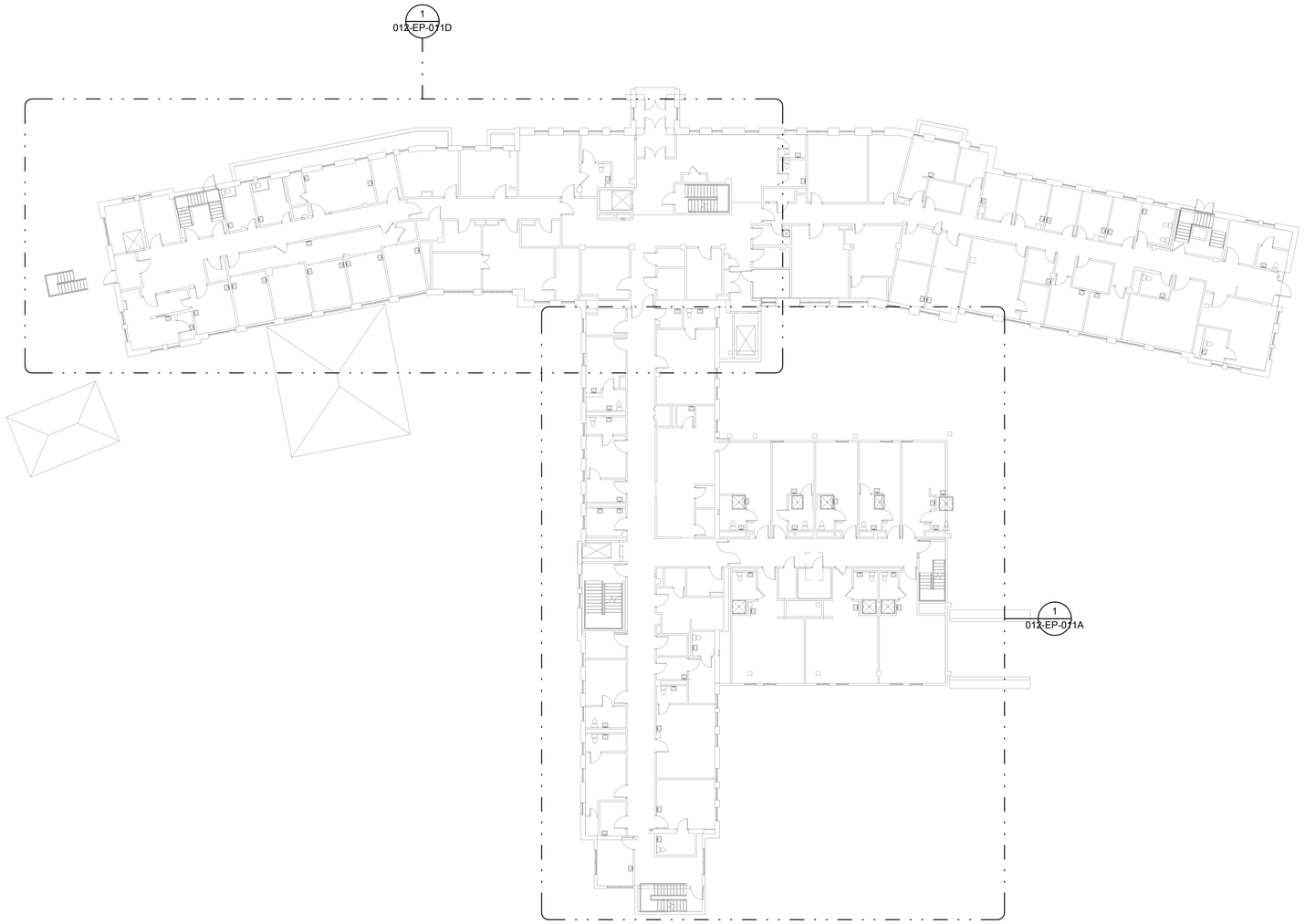
VA FORM 08 - 6231

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON SHEET 012-EP-0B1 FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

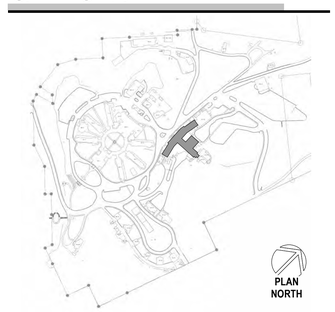
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.



1 ELECTRICAL REMODEL LAYOUT - BLDG 12 FIRST FLOOR
1/16" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
2/22/2022
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 12 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-011

VA FORM 08 - 6231

2/22/2022 8:49:26 PM

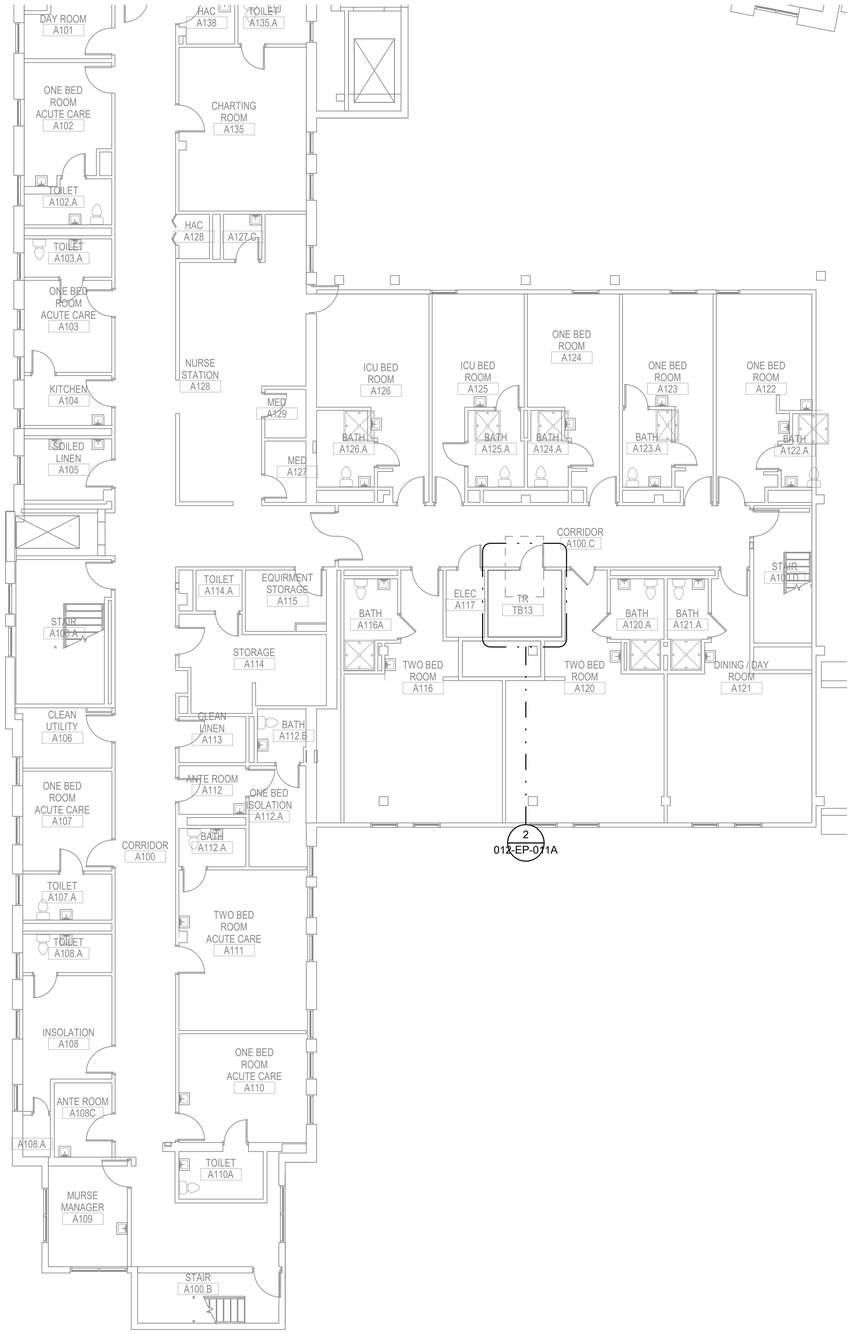
C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCAL\S4H121_ESERIES_BLDG 12_r20_JakoppQCETM.rvt

GENERAL NOTES:

A. SEE 012-EP-011 FOR GENERAL NOTES.

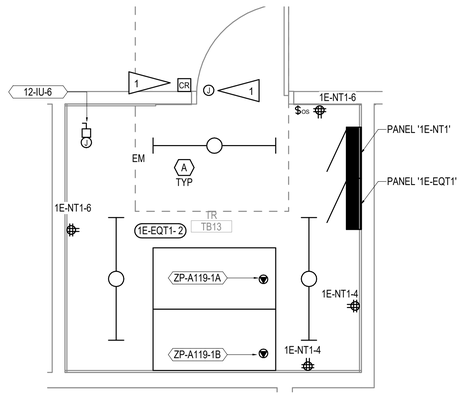
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



1 ELECTRICAL REMODEL PLAN - BLDG 12 FIRST FLOOR SECTOR A
1/8" = 1'-0"

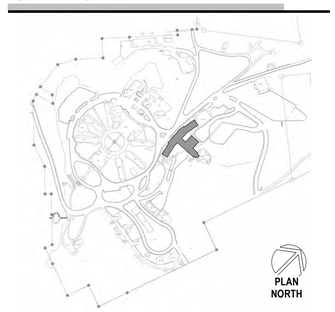
PLAN NORTH



2 ENLARGED ROOM - A119 ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMOD - BLDG 12 FIRST FLOOR A ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-EP-011A
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCAL\SM1121_ESERIES_BLDG 12_r20_kopppCGETM.rvt

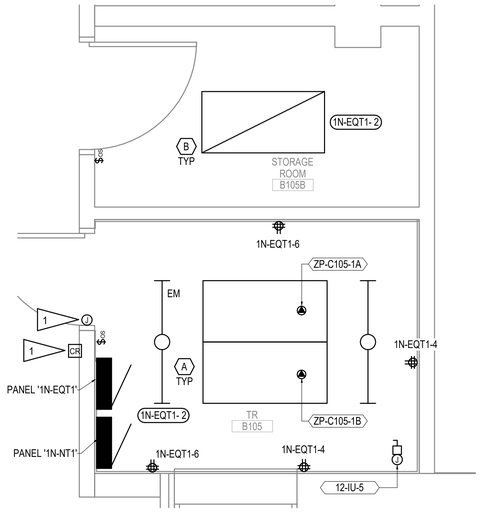
2/22/2022 8:49:28 PM

GENERAL NOTES:

A. SEE 012-EP-011 FOR GENERAL NOTES.

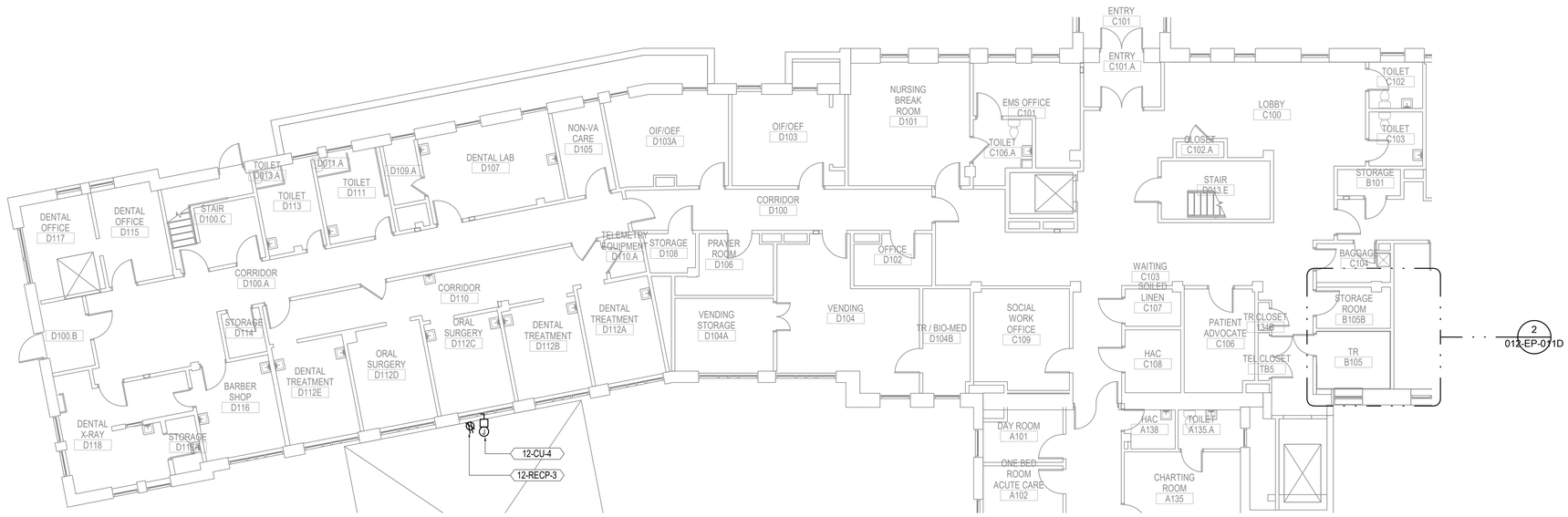
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



2 ENLARGED ROOM - C106D ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

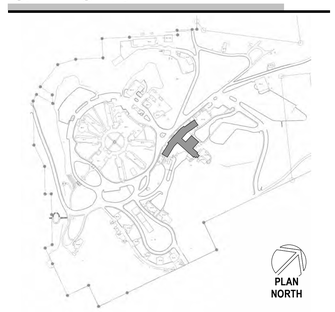


1 ELECTRICAL REMODEL PLAN - BLDG 12 FIRST FLOOR SECTOR C AND D
1/8" = 1'-0"

PLAN NORTH

CORRIDOR
B101

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMOD - BLDG 12 FIRST FLOOR C/D ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-011D

VA FORM 08 - 6231

2/22/2022 8:48:30 PM

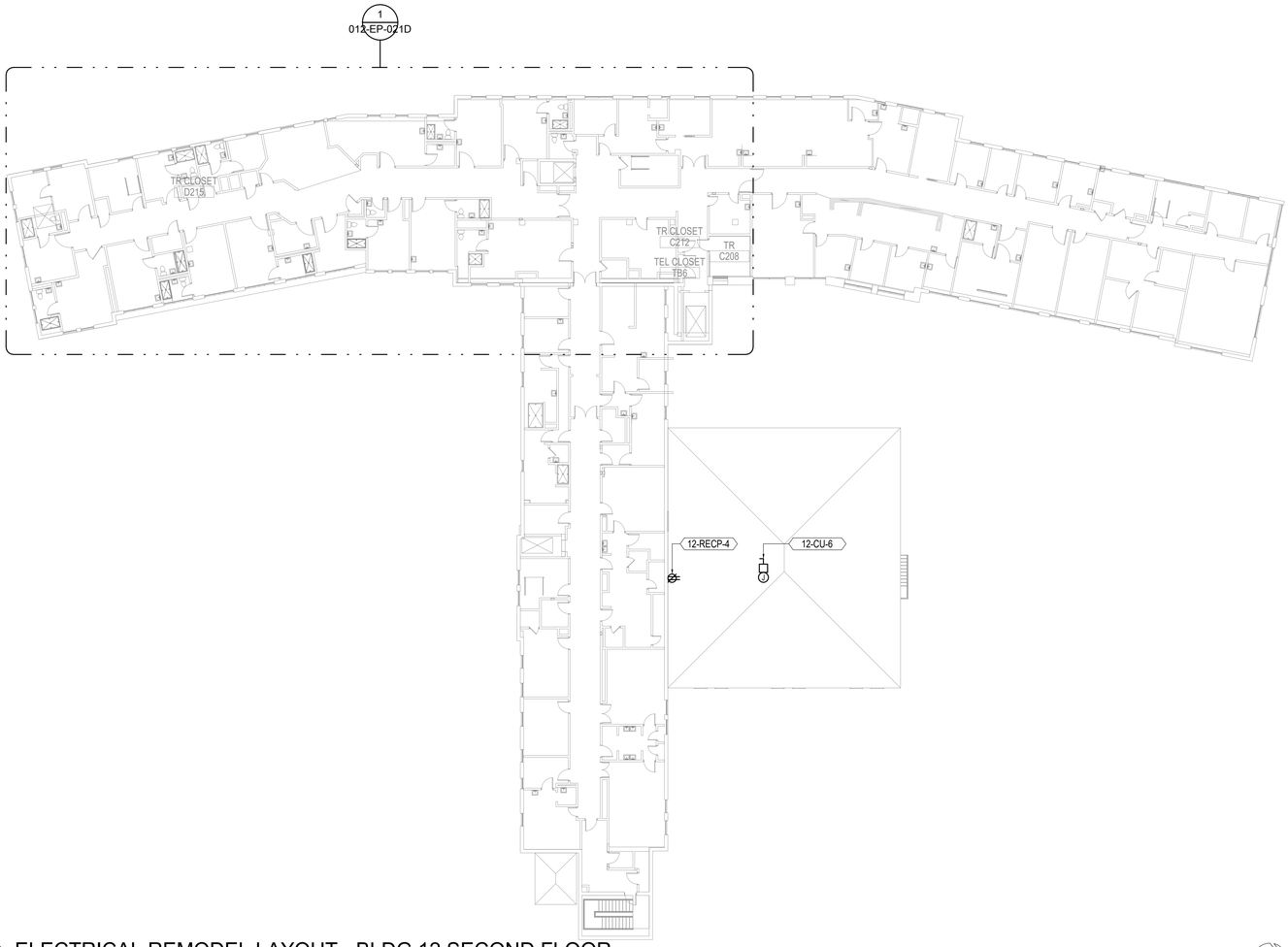
C:\Users\Caleb Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 12_r20_kopp.RCSETM.rvt

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON SHEET 012-EP-0B1 FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

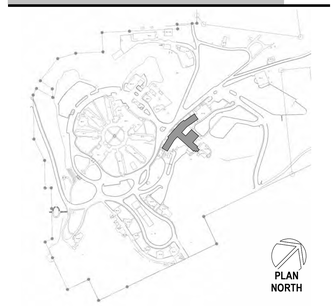
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.



1 ELECTRICAL REMODEL LAYOUT - BLDG 12 SECOND FLOOR
1/16" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
49th
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 12 SECOND FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-021

C:\Users\Caleb Koppi\Documents\REVIT 2020\LOCALS\M1121_ESERIES_BLDG 12_r20_koppiCGETM.rvt

2/22/2022 6:48:32 PM

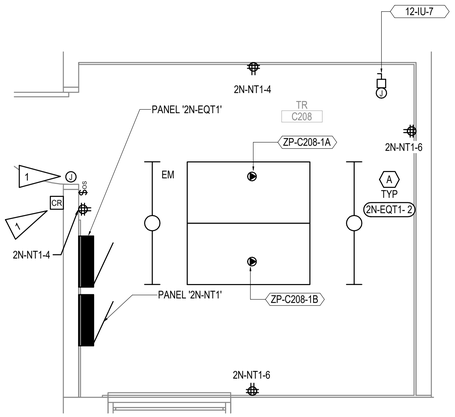
VA FORM 08 - 6231

GENERAL NOTES:

A. SEE 012-EP-021 FOR GENERAL NOTES.

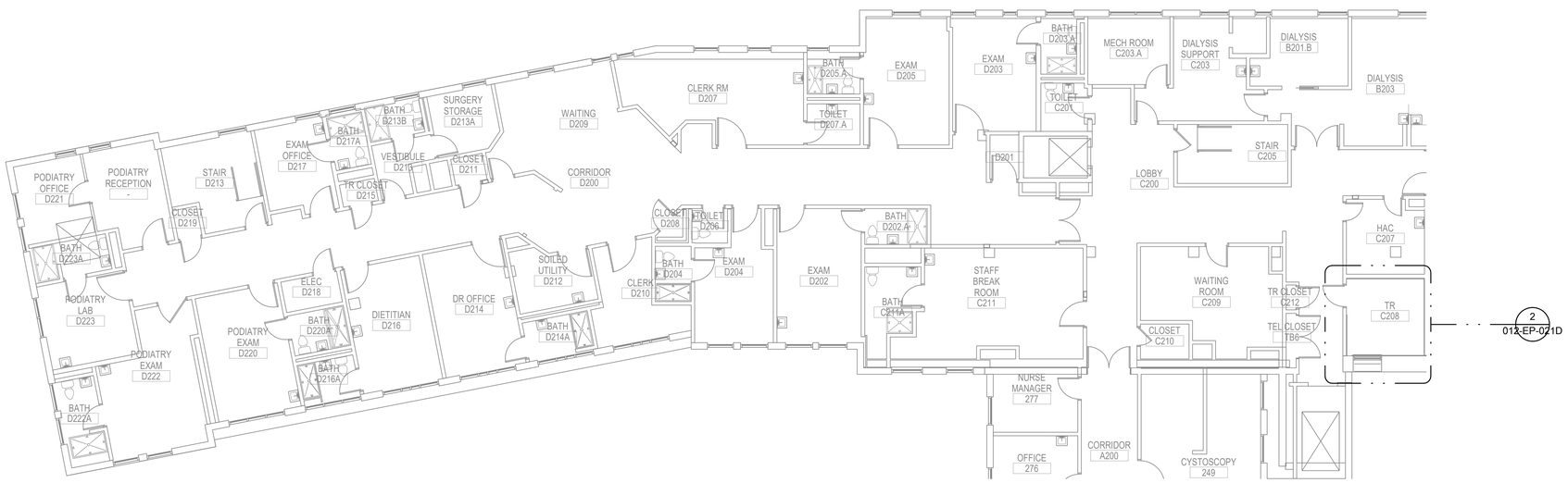
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



2 ENLARGED ROOM - C208 ELECTRICAL REMODEL
1/2" = 1'-0"

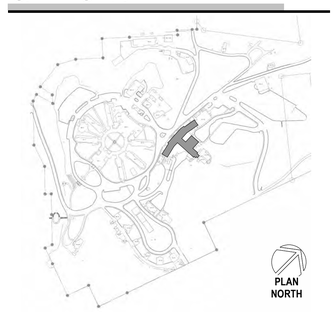
PLAN NORTH



1 ELECTRICAL REMODEL PLAN - BLDG 12 SECOND FLOOR SECTOR C AND D
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMOD - BLDG 12 SECOND FLOOR C/D ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 12
		ISSUE DATE: 2/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 012-EP-021D

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020 LOCALS\M1129_ESERIES_BLDG 12_20_ckopp\QCETM.rvt

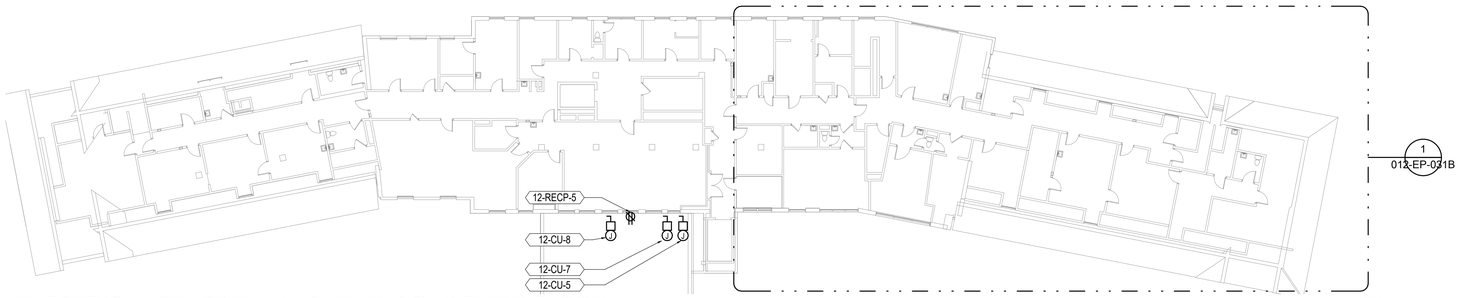
2/22/2022 6:49:34 PM

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON SHEET 012-EP-0B1 FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

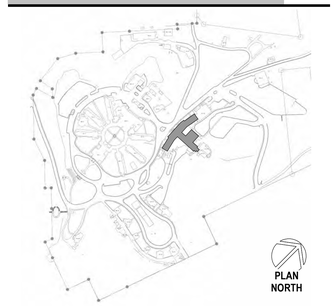
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.



1 ELECTRICAL REMODEL LAYOUT - BLDG 12 THIRD FLOOR
1/16" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 12 THIRD FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-EP-031
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALSM1121_ESERIES_BLDG 12_r20_Kopp\CSETM.rvt

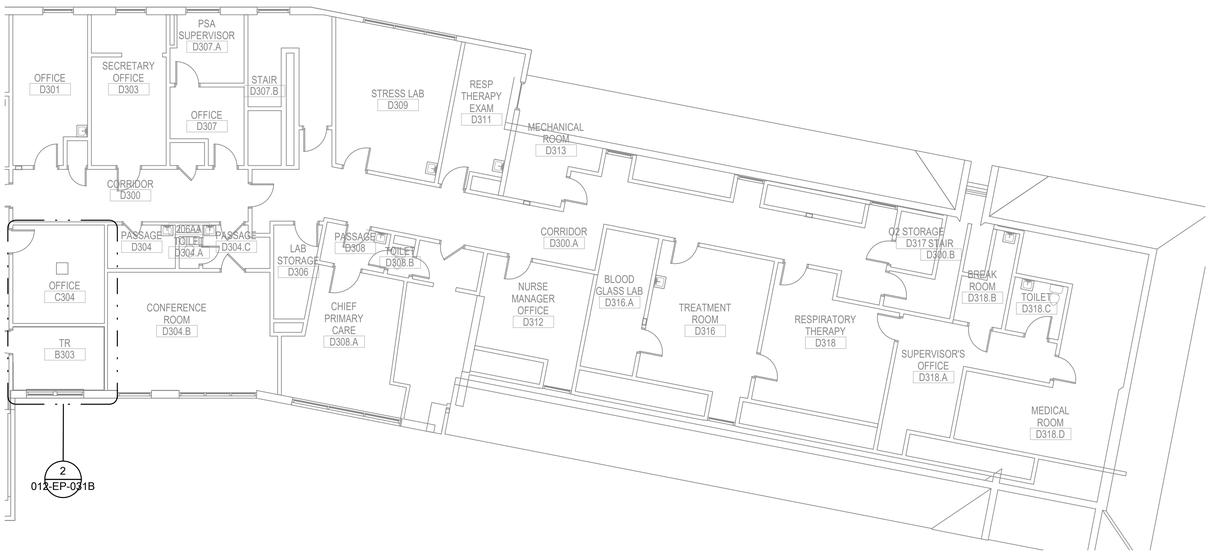
2/22/2022 6:49:35 PM

GENERAL NOTES:

A. SEE 012-EP-031 FOR GENERAL NOTES.

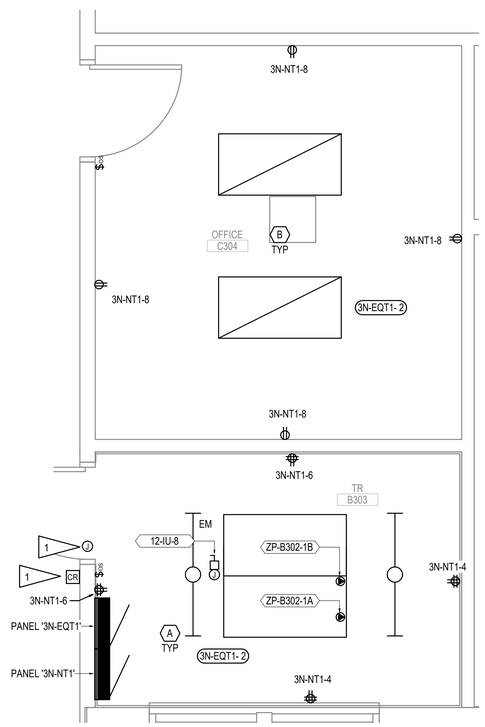
SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



1 ELECTRICAL REMODEL PLAN - BLDG 12 THIRD FLOOR SECTOR B
1/8" = 1'-0"

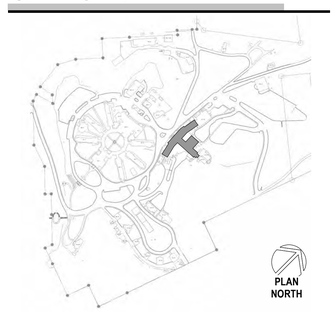
PLAN NORTH



2 ENLARGED ROOM - B303 ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AEOC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMOD - BLDG 12 THIRD FLOOR B ENLARGED	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-EP-031B
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

2/22/2022 6:49:36 PM

C:\Users\Caleb.Koppi\Documents\REVIT 2020\LOCALS\M1121_ESERIES_BLDG 12_r20_koppiCGETM.rvt

GENERAL NOTES:

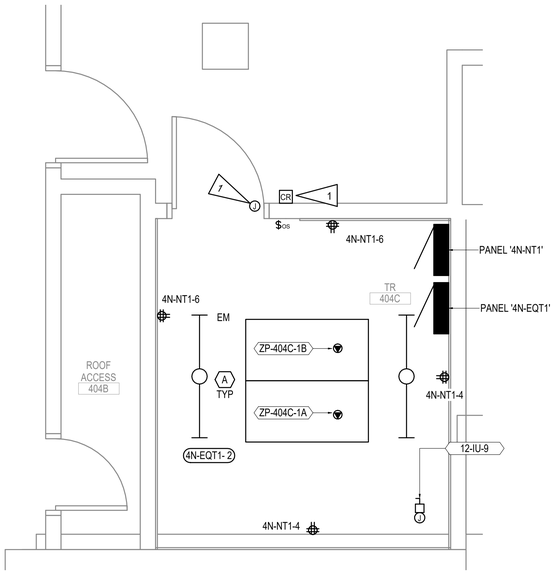
A. SEE EQUIPMENT SCHEDULE ON SHEET 012-EP-0B1 FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

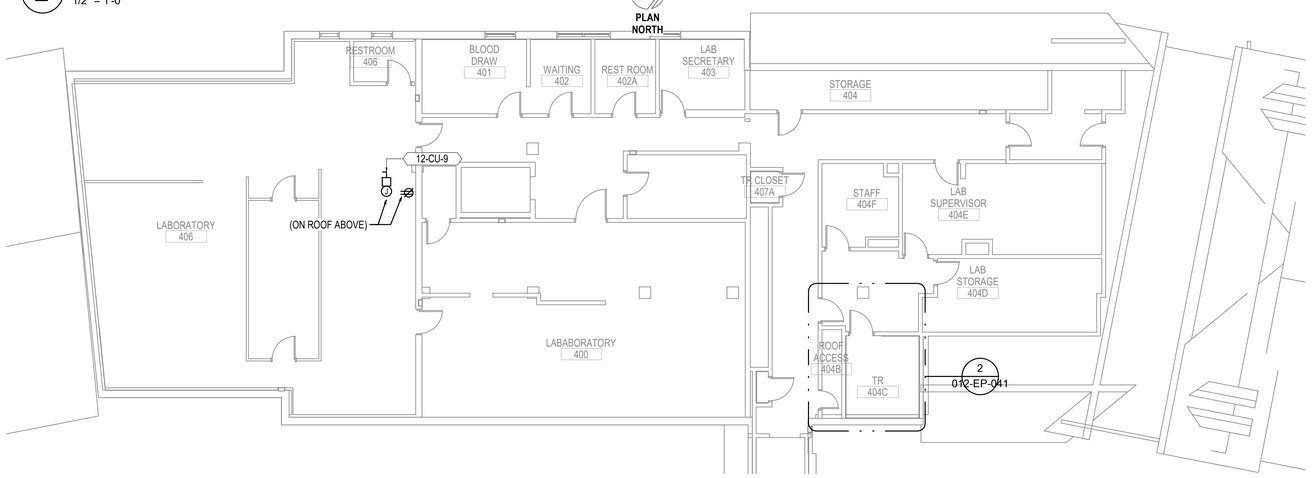
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



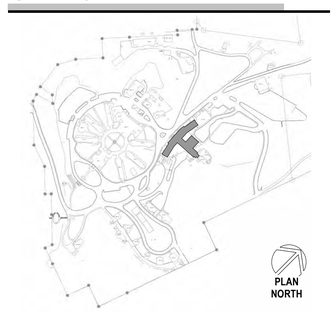
2 ENLARGED ROOM - 404C ELECTRICAL REMODEL
1/2" = 1'-0"



1 ELECTRICAL REMODEL PLAN - BLDG 12 FOURTH FLOOR
1/8" = 1'-0"

PLAN
NORTH

SITE LEGEND



Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODWIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIEJ
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 12 FOURTH FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 12
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 012-EP-041
		ISSUE DATE: 2/22/2022 · CHECKED BY: JAM · DRAWN BY: CSZ	

VA FORM 08 - 6231

2/22/2022 8:49:37 PM

C:\Users\Caleb.Kopp\Documents\REVIT 2020\LOCALS\AR1121_ESERIES_BLDG 12_r20_caleb.kopp.CSETM.rvt

EQUIPMENT SCHEDULE - BUILDING 14

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
14-IU-1	AC INDOOR UNIT	-	34.2	-	-	208	1	X	14-N2-1-23,25	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
14-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	14-N2-1-27,29	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
14-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	14-N1-1-17	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-105-1A	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	14-N1-1-37	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
RK-105-1B	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	14-N2-1-15	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
14-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	14-N1-1-17	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

GENERAL NOTES:

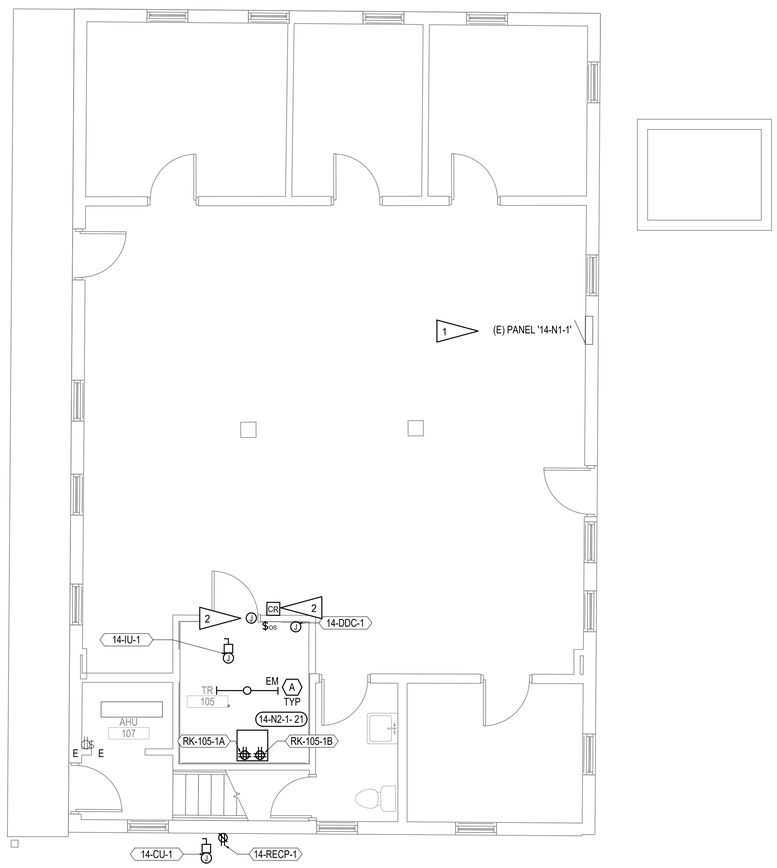
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

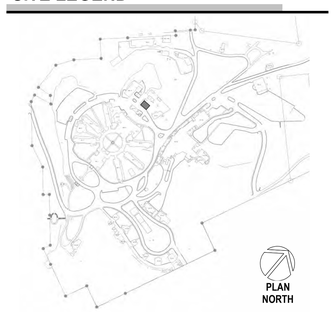
1. PANEL '14-N2-1', FOR SECOND SOURCE OF RACK POWER, IS LOCATED ON SECOND FLOOR ABOVE PANEL '14-N1-1'.
2. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.



1 ELECTRICAL REMODEL PLAN - BLDG 14 FIRST FLOOR
1/4" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIEJ
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 14	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 14
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 014-EP-0G1

VA FORM 08 - 6231

C:\Users\Jly.Aragon\Documents\R20\Local\M112_ESERIES_BLDG 14_r20_laragon9693.rvt

2/22/2022 5:23:42 PM

GENERAL NOTES:

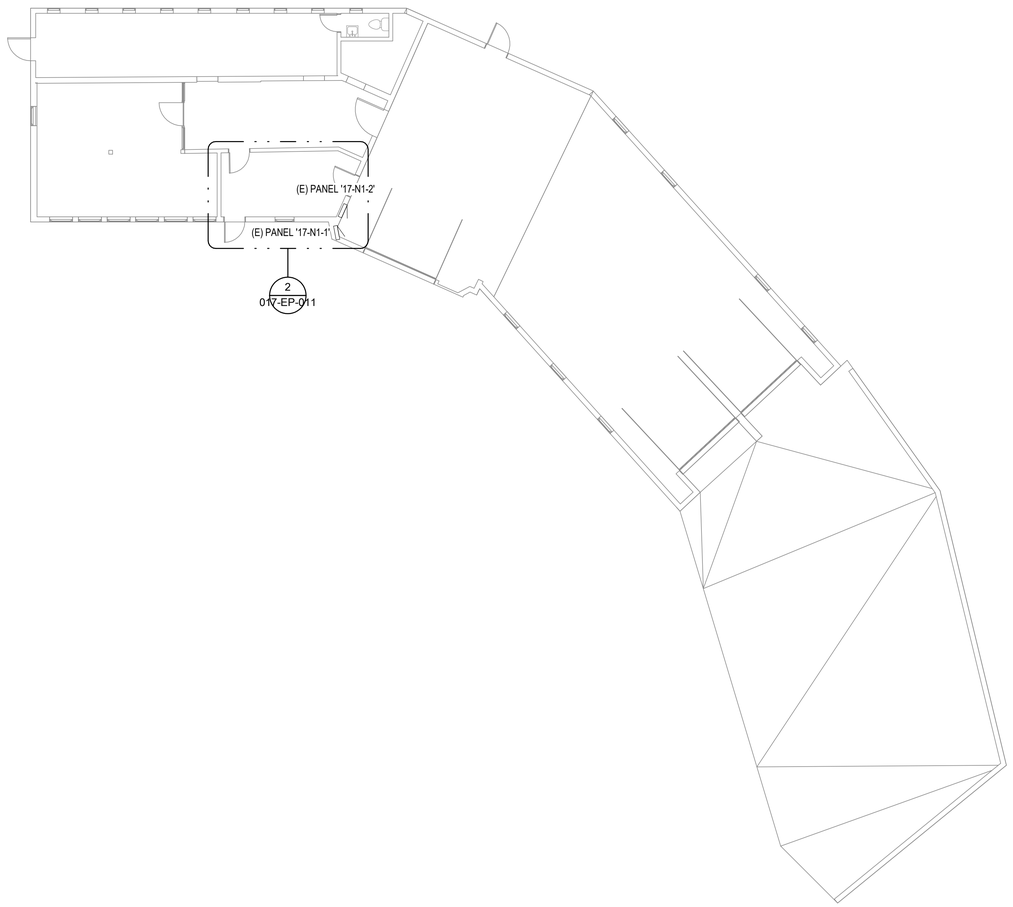
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

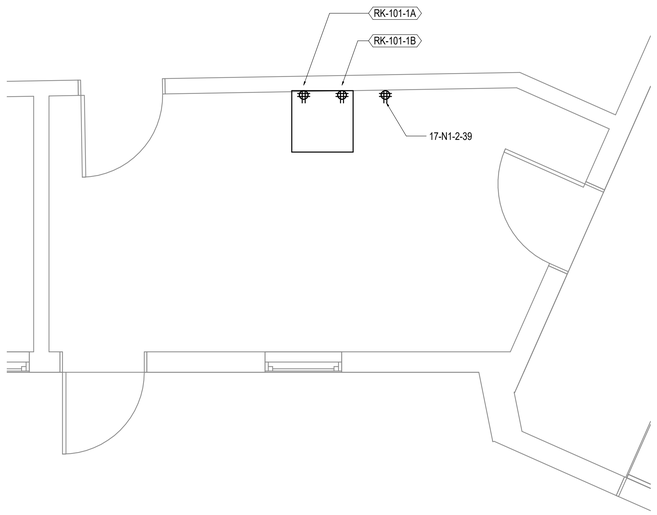
EQUIPMENT SCHEDULE - BUILDING 17

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
RK-101-1A	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	17-N1-1-20	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
RK-101-1B	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	17-N1-2-37	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-



1 ELECTRICAL REMODEL PLAN - BLDG 17 FIRST FLOOR
1/8" = 1'-0"

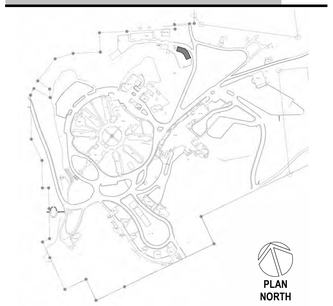
NORTH



2 ENLARGED ROOM - ELECTRICAL REMODEL
1/2" = 1'-0"

NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

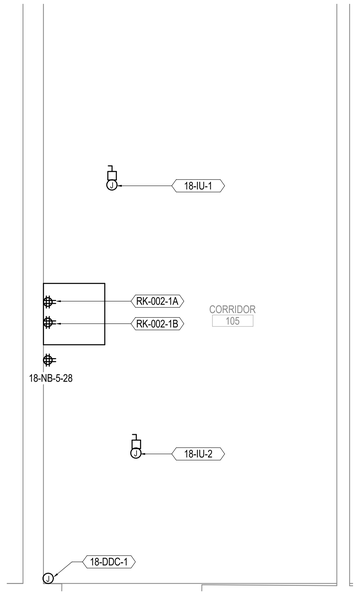
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 17 FIRST FLOOR	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 17
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 017-EP-011
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

VA FORM 08 - 6231

2/22/2022 5:29:53 PM

C:\Users\Lilly.Aragon\Documents\R20\Local\M1121_ESERIES_BLDG 17_r20_laragon8T6B3.rvt



2 ENLARGED ROOM - 002 ELECTRICAL REMODEL
1/2" = 1'-0"

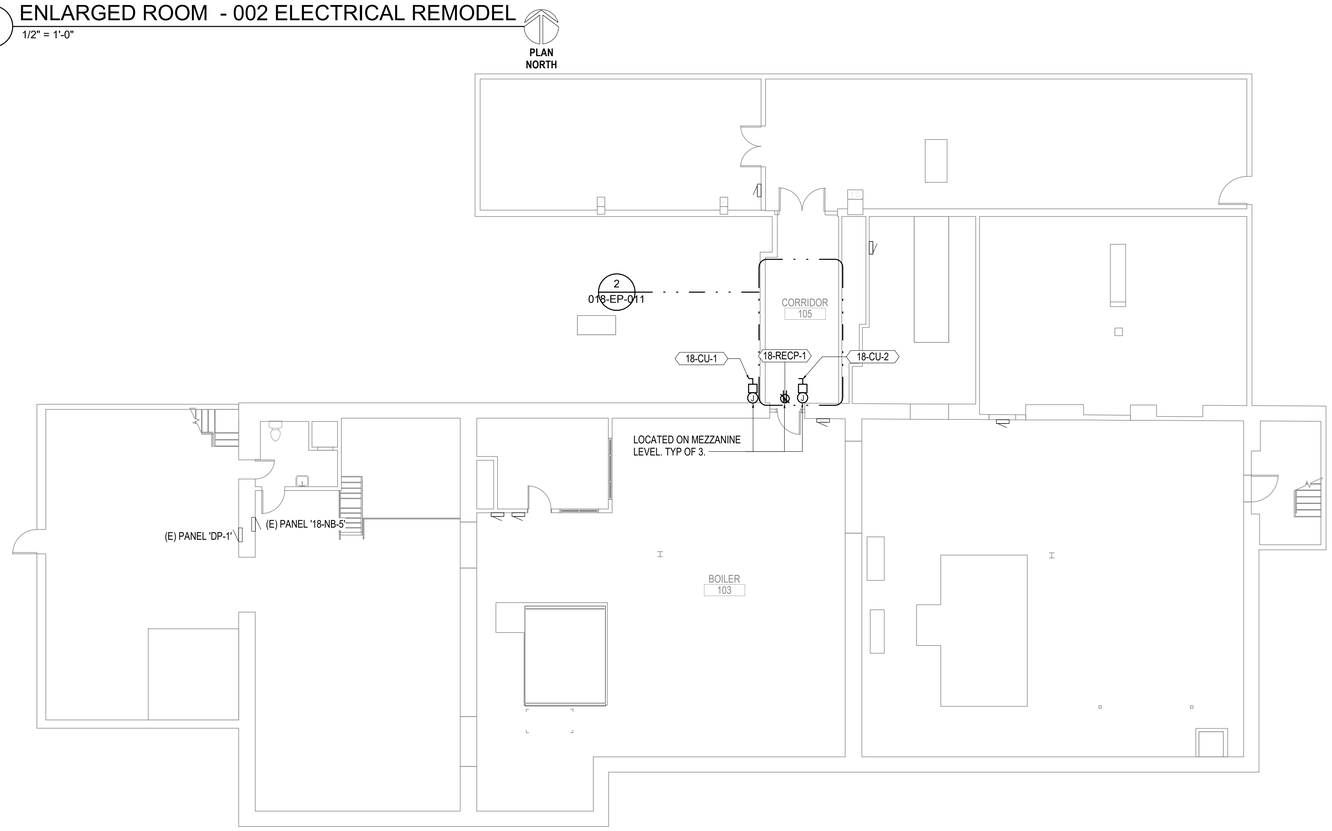
EQUIPMENT SCHEDULE - BUILDING 18

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
18-IU-1	AC INDOOR UNIT	-	34.2	-	-	208	1	X	18-NB-5-34,36	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
18-IU-2	AC INDOOR UNIT	-	1.35	-	-	208	1	X	18-NB-5-38,40	0.75"C, 2#12, 1#12 GND	INTEGRAL CONTROLLER
18-CU-1	CONDENSING UNIT	-	14.3	-	-	208	1	X	18-NB-5-25,27	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
18-CU-2	CONDENSING UNIT	-	0.5	-	-	208	1	X	18-NB-5-31,33	0.75"C, 2#12, 1#12 GND	INTEGRAL CONTROLLER
18-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	18-NB-5-30	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-002-1A	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	18-NB-5-35	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
RK-002-1B	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	18-NB-4-13	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
18-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	18-NB-5-37	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

GENERAL NOTES:

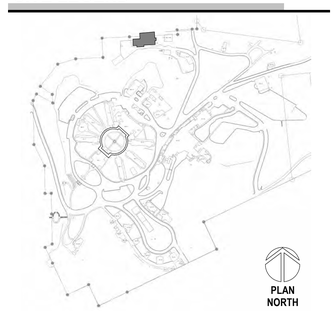
A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.



1 ELECTRICAL REMODEL PLAN - BLDG 18 FIRST FLOOR
1/8" = 1'-0"

SITE LEGEND



Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA — JEREMY A. MAXIEJ — EE-113847 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL REMODEL PLAN - BLDG 18	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 18
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 018-EP-011

VA FORM 08 - 6231

C:\Users\Lily.Aragon\Documents\R20\Local\M121_ESERIES_BLDG 18_r20_lwagon97693.rvt

2/22/2022 5:26:38 PM

EQUIPMENT SCHEDULE - BUILDING 20

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
RK-001-1A	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	20-LB2-11	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
RK-001-1B	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	20-LB-T1-1	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-

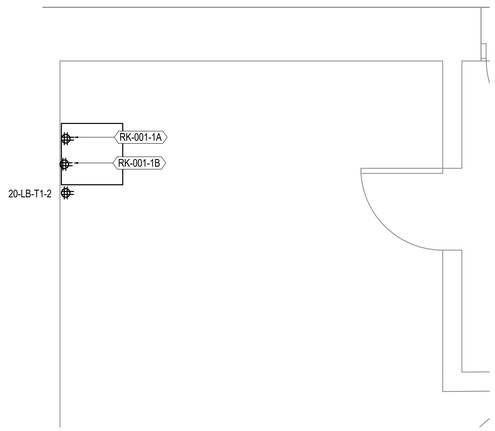
GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

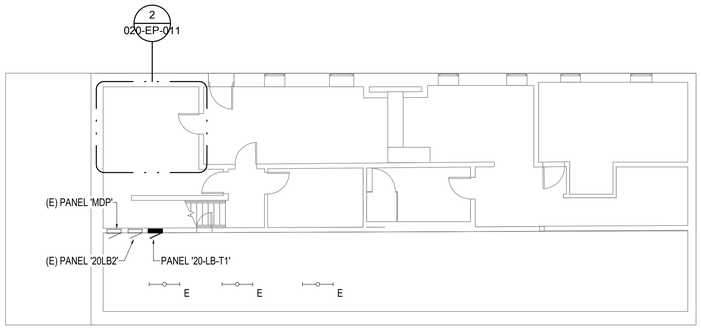
SHEET NOTES: 1

1. INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE DISTRIBUTION PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING TO MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL.



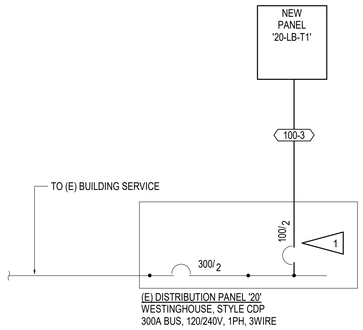
2 ENLARGED ROOM - BASEMENT ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH



1 ELECTRICAL REMODEL PLAN - BLDG 20 BASEMENT
1/8" = 1'-0"

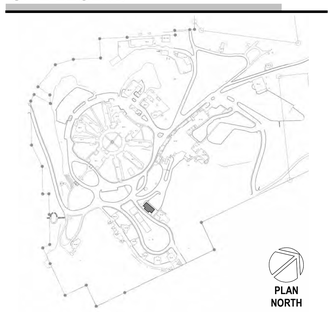
PLAN NORTH



3 POWER ONE-LINE

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
02/22/2022
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 20	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 20
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 020-EP-011

VA FORM 08 - 6231

2/22/2022 5:32:59 PM

C:\Users\Lily.Aragon\Documents\R20\Local\cache\M121_ESERIES_BLDG_20_-20_lamgen97693.rvt

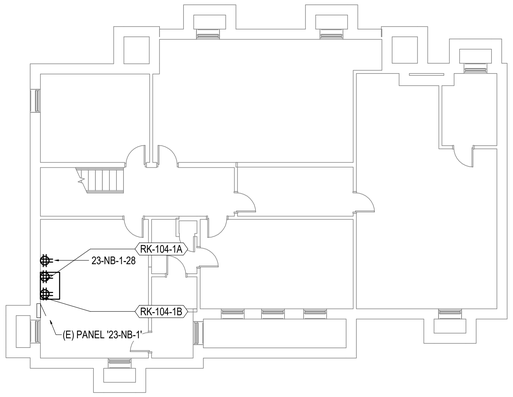
GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

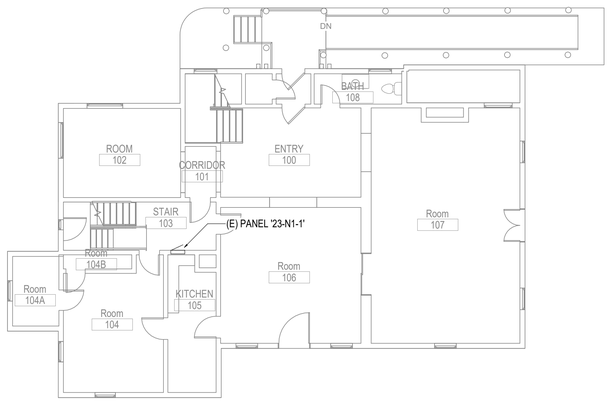
EQUIPMENT SCHEDULE - BUILDING 23

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
RK-104-1A	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	23-NB-1-34	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
RK-104-1B	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	23-N1-1-1	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-



1 ELECTRICAL REMODEL PLAN - BLDG 23 BASEMENT
1/8" = 1'-0"

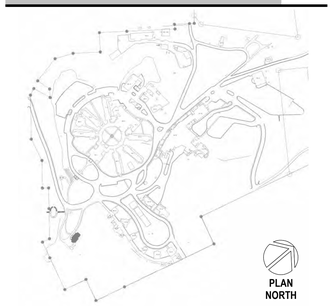
PLAN NORTH



2 ELECTRICAL REMODEL PLAN - BLDG 23 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 23	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 23
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CK	DRAWING NUMBER: 023-EP-0B1

VA FORM 08 - 6231

2/22/2022 5:35:22 PM

C:\Users\Ally.Aragon\Documents\R20Locals\M121_ESERIES_BLDG 23_r20_laragon97693.rvt

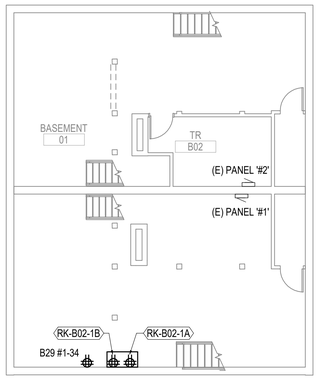
GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

EQUIPMENT SCHEDULE - BUILDING 29

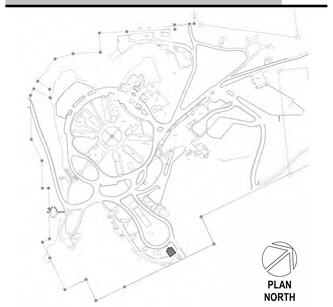
ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
RK-B02-1A	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	#1-31	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
RK-B02-1B	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	#2-35	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-



1 ELECTRICAL REMODEL PLAN - BLDG 29 BASEMENT
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GODDIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC342

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 29	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 29
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 029-EP-0B1

VA FORM 08 - 6231

2/22/2022 5:38:15 PM

C:\Users\Lilly.Aragon\Documents\R20Locals\M1121_ESERIES_BLDG 29_r20_laragon9T693.rvt

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

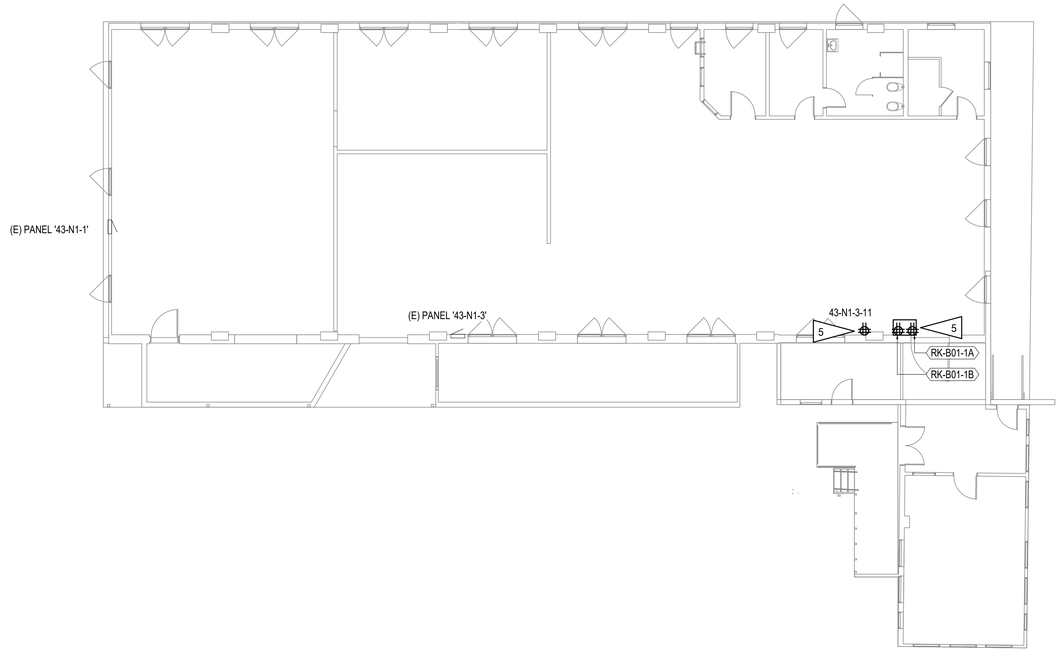
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES:

1. RECEPTACLE AND TELECOM CABINET LOCATED IN BASEMENT BELOW.

EQUIPMENT SCHEDULE - BUILDING 43

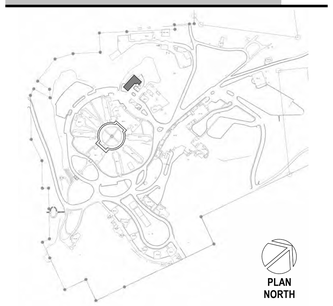
ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
RK-B01-1A	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	43-N1-2-32	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-
RK-B01-1B	TELECOM CABINET RECEPTACLE	-	-	1920	-	120	1	N/A	43-N1-3-9	0.75"C, 1#12, 1#10 NEUT, 1#12 GND	-



1 ELECTRICAL REMODEL PLAN - BLDG 43 FIRST FLOOR
1/8" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIEJ
EE-113847
REGISTERED PROFESSIONAL ENGINEER

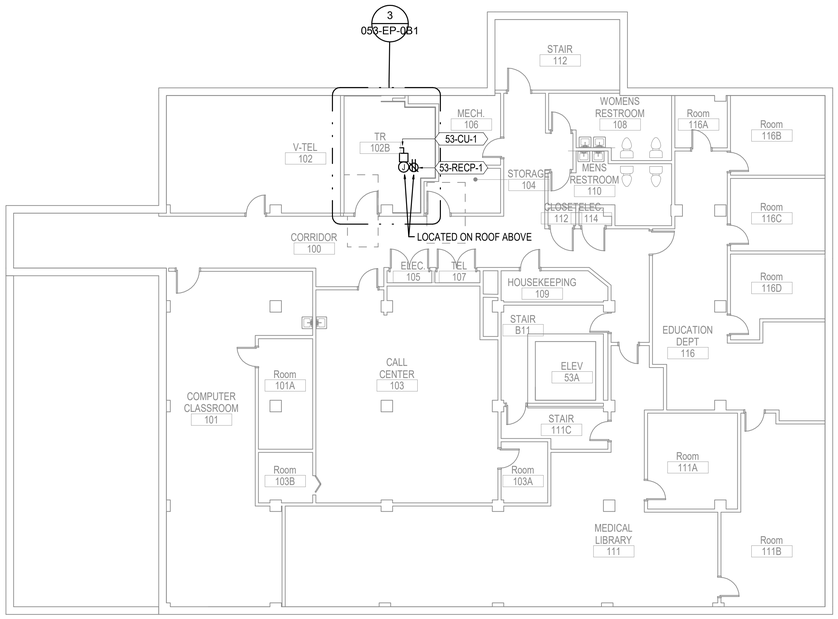
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 43	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 43
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 043-EP-011
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	

VA FORM 08 - 6231

C:\Users\Jly.Aragon\Documents\R20\local\M121_ESERIES_BLDG 43_r20_lanpro\97693.rvt
2/22/2022 5:40:42 PM



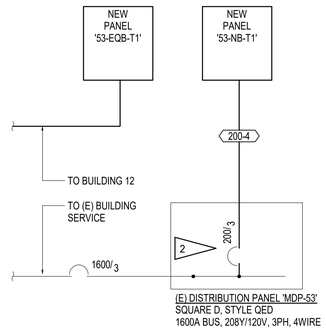
2 ELECTRICAL REMODEL PLAN - BLDG 53 FIRST FLOOR

1/8" = 1'-0"

PLAN NORTH

EQUIPMENT SCHEDULE - BUILDING 53

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
53-IU-1	AC INDOOR UNIT	-	46.3	-	-	208	3	X	53-NB-T1-13,15,17	1"C, 3#6, 1#10 GND	INTEGRAL CONTROLLER
53-CU-1	CONDENSING UNIT	-	23.4	-	-	208	3	X	53-NB-T1-7,9,11	0.75"C, 3#10, 1#10 GND	INTEGRAL CONTROLLER
53-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	53-NB-T1-2	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
ZP-102B-1A	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	53-NB-T1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
ZP-102B-1B	TELECOM RACK RECEPTACLE	-	-	10000	-	208	3	N/A	53-EQB-T1-1,3,5	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-30R, SEE 5/000-J-001
53-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	53-NB-T1-6	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE



4 POWER ONE-LINE

12" = 1'-0"

PLAN NORTH

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

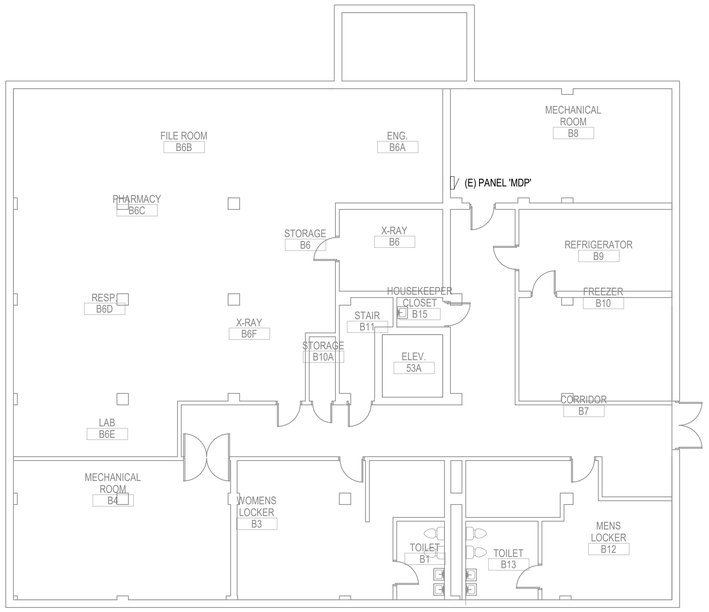
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

1. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.

2. INSTALL NEW CIRCUIT BREAKER IN SPACE AVAILABLE IN THE DISTRIBUTION PANEL. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE PANEL AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING TO MATCH THE LOWEST RATED EXISTING DEVICE IN THE PANEL.

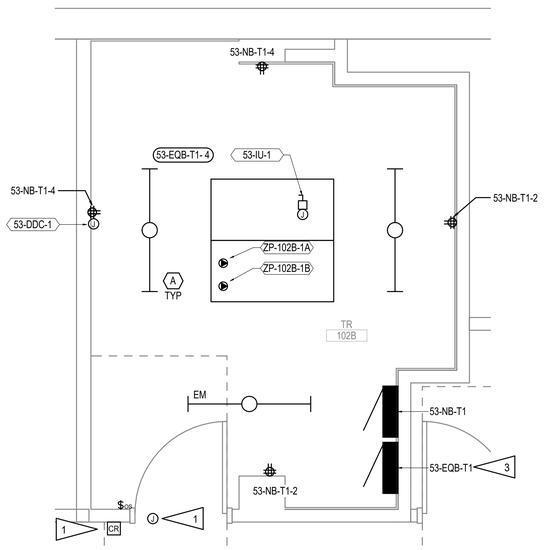
3. NEW PANEL FED FROM BUILDING 12 PANEL'1N-EQT1'. SEE ONE-LINE ON 1/EK-103.



1 ELECTRICAL REMODEL PLAN - BLDG 53 BASEMENT

1/8" = 1'-0"

PLAN NORTH

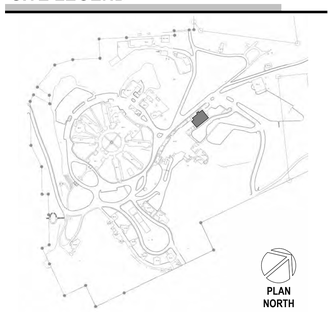


3 ENLARGED ROOM - 102B ELECTRICAL REMODEL

1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GODDIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
3/16/2022
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

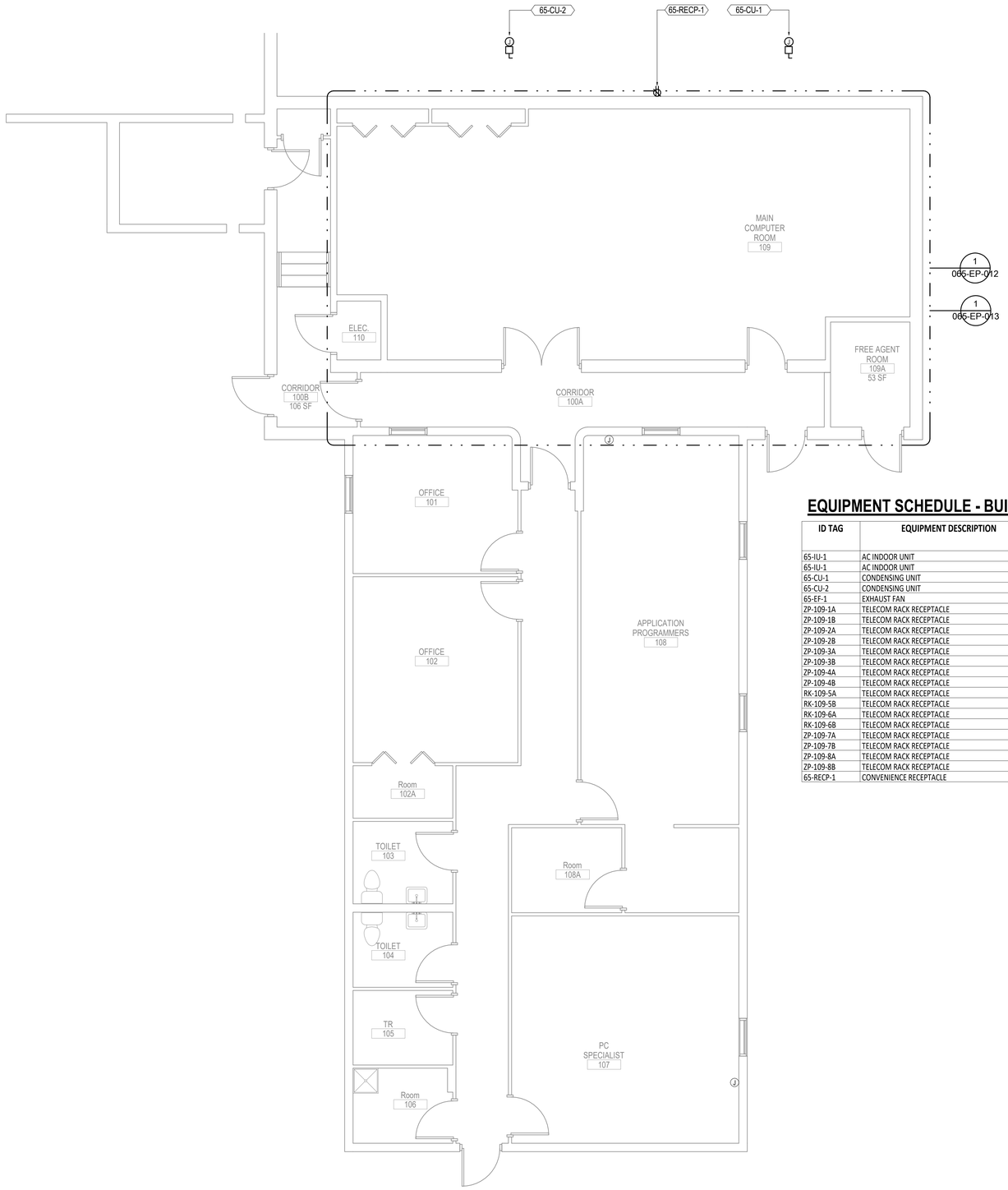
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 53	PHASE: 100% CD FINAL SOLUTION	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 53
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 053-EP-0B1
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CK	

VA FORM 08 - 6231

C:\Users\Caleb.Kopp\Documents\REVIT 2020\ LOCAL\S4H121_ESERIES_BLDG 53 _r20_caleb.kopp@GETM.rvt

3/14/2022 10:36:45 AM



GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

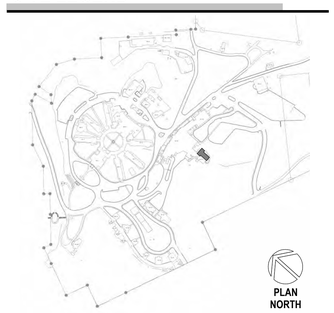
SHEET NOTES: 1

1. EXTEND AND RECONNECT EXISTING MECHANICAL CIRCUITS TO NEW MECHANICAL EQUIPMENT.

EQUIPMENT SCHEDULE - BUILDING 65:

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
65-IU-1	AC INDOOR UNIT	-	129.2	-	-	208	3	X	EXISTING	2"C, 3#2/0, 1#6 GND	RECONNECT TO EXISTING CIRCUIT
65-IU-1	AC INDOOR UNIT	-	129.2	-	-	208	3	X	EXISTING	2"C, 3#2/0, 1#6 GND	RECONNECT TO EXISTING CIRCUIT
65-CU-1	CONDENSING UNIT	-	11.4	-	-	208	3	X	EXISTING	0.75"C, 3#12, 1#12 GND	RECONNECT TO EXISTING CIRCUIT, COORDINATE WITH MECH FOR LOCATION
65-CU-2	CONDENSING UNIT	-	11.4	-	-	208	3	X	EXISTING	0.75"C, 3#12, 1#12 GND	RECONNECT TO EXISTING CIRCUIT, COORDINATE WITH MECH FOR LOCATION
65-EF-1	EXHAUST FAN	0.07	-	-	-	120	1	-	UPS-A-25	0.75"C, 2#12, 1#12 GND	PROVIDE FRACTIONAL MOTOR STARTER WITH TOGGLE SWITCH
ZP-109-1A	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-A-1,3,5	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-1B	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-B-1,3,5	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-2A	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-A-2,4,6	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-2B	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-B-2,4,6	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-3A	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-A-7,9,11	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-3B	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-B-7,9,11	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-4A	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-A-8,10,12	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-4B	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-B-A-8,10,12	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
RK-109-5A	TELECOM RACK RECEPTACLE	-	-	3500	-	208	3	N/A	UPS-A-13,15,17	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-109-5B	TELECOM RACK RECEPTACLE	-	-	3500	-	208	3	N/A	UPS-B-13,15,17	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-109-6A	TELECOM RACK RECEPTACLE	-	-	3500	-	208	3	N/A	UPS-A-14,16,18	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-109-6B	TELECOM RACK RECEPTACLE	-	-	3500	-	208	3	N/A	UPS-B-14,16,18	0.75"C, 3#10, 1#8 NEUT, 1#10 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
ZP-109-7A	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-A-19,21,23	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-7B	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-B-19,21,23	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-8A	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-A-20,22,24	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
ZP-109-8B	TELECOM RACK RECEPTACLE	-	-	10500	-	208	3	N/A	UPS-B-A-20,22,24	1.25"C, 3#4, 1#3 NEUT, 1#10 GND	JUNCTION BOX CONNECTION
65-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	XXXXXXX	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE

SITE LEGEND



PLAN NORTH

1 ELECTRICAL REMODEL PLAN - BLDG 65
1/4" = 1'-0"

PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA 49th JEREMY A. MAXIE EE-113847 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: ELECTRICAL REMODEL PLAN - BLDG 65	PHASE: 100% CD	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 65
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	DRAWING NUMBER: 065-EP-011

C:\Users\Lily.Angrum\Documents\R20\Local\M1121_ESERIES_BLDG 65_r20_lamgrum0T6903.rvt

2/22/2022 5:46:14 PM

VA FORM 08 - 6231

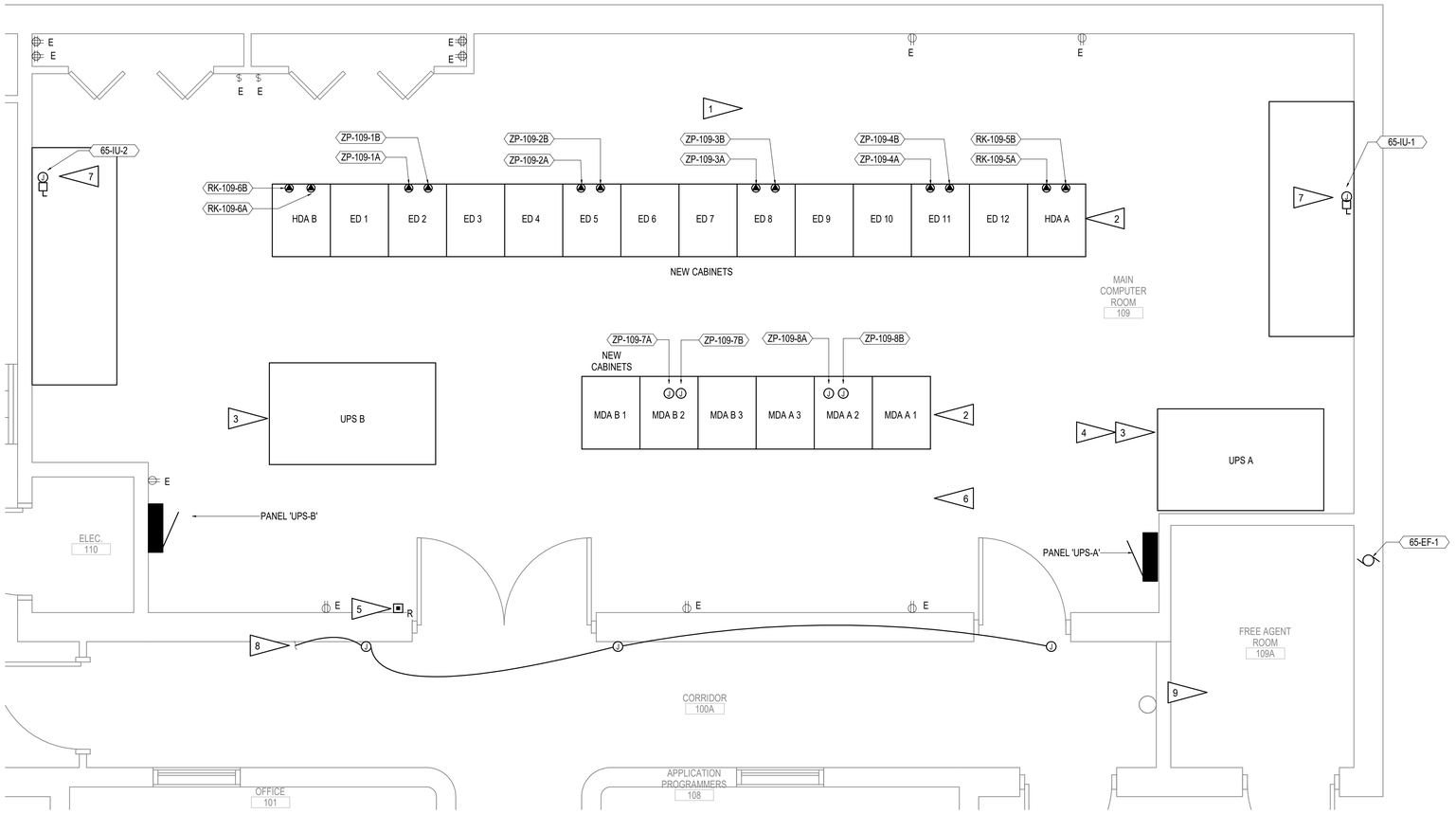
GENERAL NOTES:

A. SEE SHEET 065-EP-011 FOR GENERAL NOTES.

B. SEE EQUIPMENT SCHEDULE ON SHEET 065-EP-011 FOR POWER REQUIREMENTS.

SHEET NOTES: 1

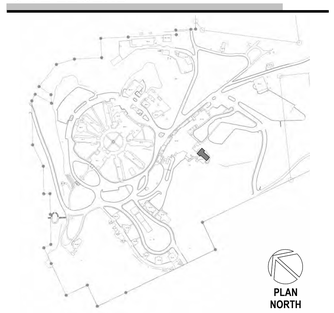
1. REMODEL, INCLUDING PHASING, SHALL BE COORDINATED TO MINIMIZE DISRUPTION AND DOWNTIME TO MCR.
2. PROVIDE BUS A/BUS B DISTRIBUTION FROM UPS A/UPS B.
3. NEW 100KVA UPS. PROVIDE FEEDER TO BLDG 12 DISTRIBUTION SYSETM SEE ONE-LINE DIAGRAM 1/EK-103.
4. NEW UPS A INSTALLED AFTER UPS B IS ACTIVE.
5. CONNECT TO SHUNT TRIP BREAKERS OF UPS FEEDER CIRCUITS. SEE ONE-LINE 1/EK-103.
6. PROVIDE NEW POWER DISTRIBUTION UNDER FLOOR.
7. EXTEND AND RECONNECT EXISTING MECHANICAL CIRCUITS TO NEW MECHANICAL EQUIPMENT.
8. PROVIDE CIRCUIT FOR FIRE/SMOKE DAMPER. PROVIDE CONNECTION TO FIRE ALARM SYSTEM FOR SHUTDOWN UPON ALARM.
9. GASEOUS SUPPRESSION SYSTEM SHALL BE INSTALLED HERE. SEE FIRE PROTECTION DRAWINGS. PROVIDE DEDICATED CIRCUITS AS REQUIRED FOR EQUIPMENT.



1 ENLARGED ROOM - 109 ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIEJ
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

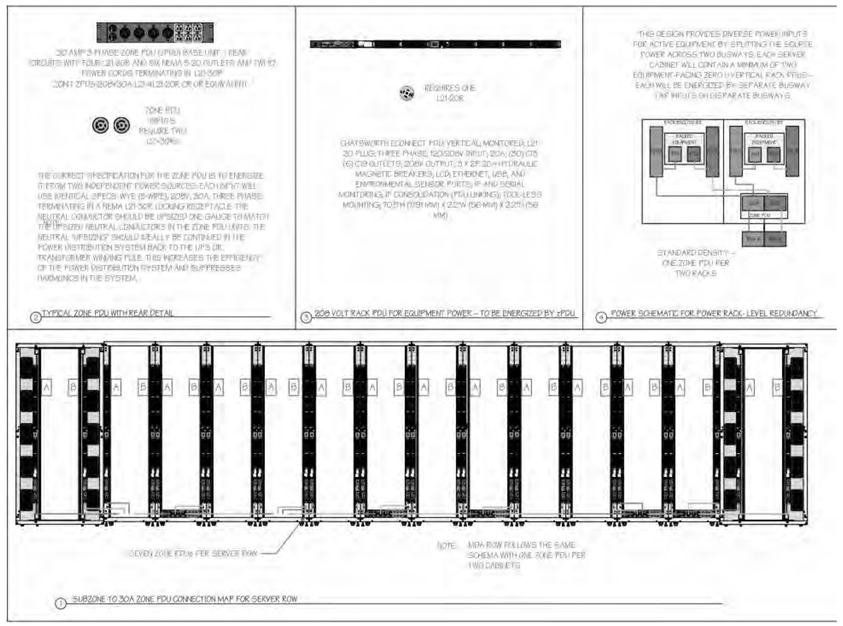
VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ENLARGED ELECTRICAL REMODEL PLAN - ROOM 109	100% CD	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 65
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: NVF	DRAWING NUMBER: 065-EP-012

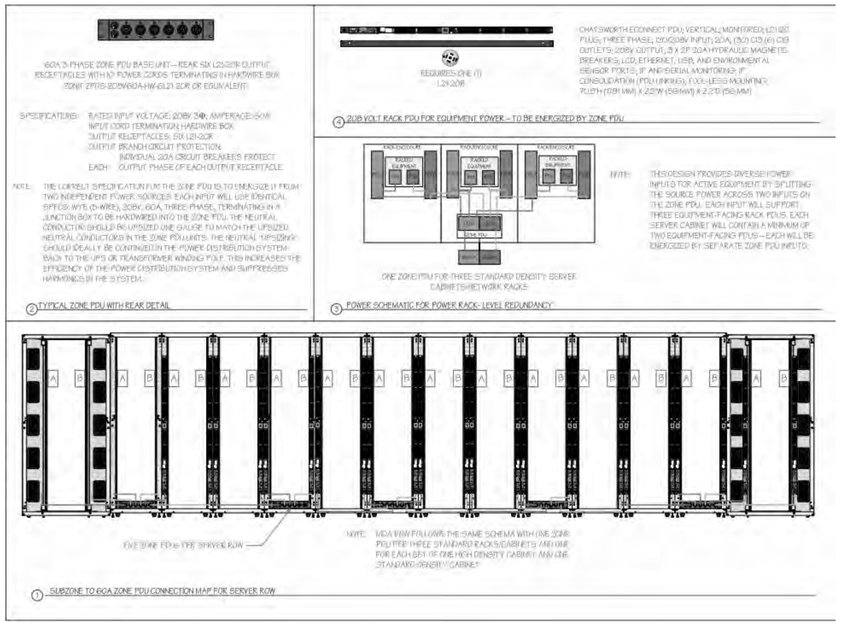
VA FORM 08 - 6231

2/22/2022 5:46:16 PM

C:\Users\jlly.Aragon\Documents\R20\Local\M1121_ESERIES_BLDG 65_r20_laragon\f1693.rvt



1 VA MCR POWER DISTRIBUTION DETAIL - 30A
12" = 1'-0"



2 VA MCR POWER DISTRIBUTION DETAIL - 60A
12" = 1'-0"

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Firewood Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: VA MCR POWER DETAILS	PHASE: 100% CD	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 65
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 065-EP-012.1
		ISSUE DATE: 02/22/2022 · CHECKED BY: JAM · DRAWN BY: CK	

VA FORM 08 - 6231

2/22/2022 5:46:16 PM

C:\Users\By.Angela\Documents\R20\Locals\AR121_ESERIES_BLDG 65_r20_angela97693.rvt

GENERAL NOTES:

A. SEE SHEET 065-EP-011 FOR GENERAL NOTES.

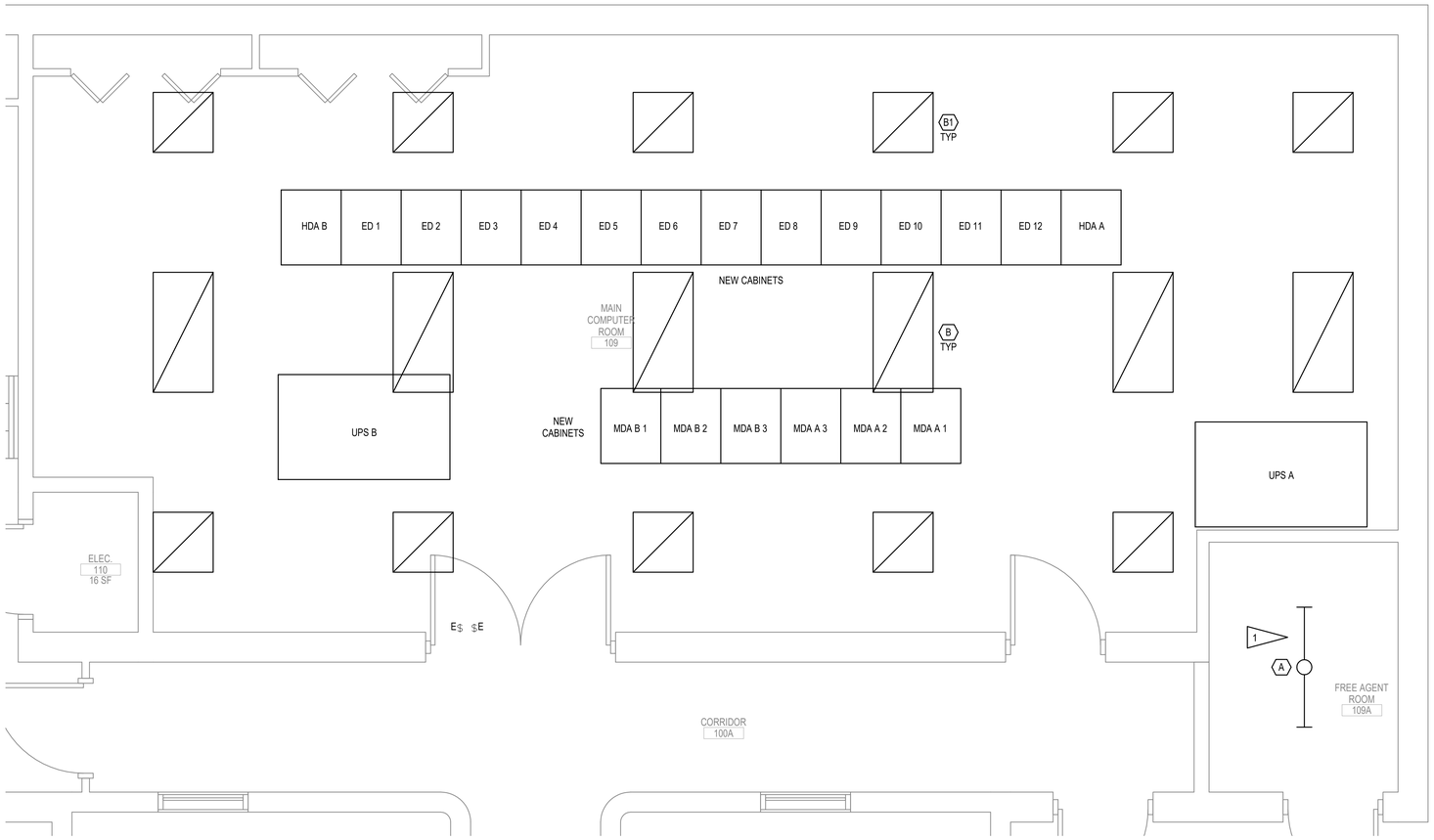
B. CONNECT LIGHTING TO EXISTING CIRCUIT. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATIONS.

C. SWITCHING SHALL REMAIN FOR NEW FIXTURES.

D. EXISTING FIXTURE CIRCUIT IS CONNECTED TO EMERGENCY EQUIPMENT BRANCH OF THE EXISTING DISTRIBUTION SYSTEM.

SHEET NOTES: 1

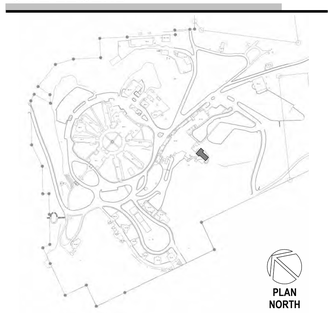
1. CONNECT TO EXISTING LIGHTING CIRCUIT IN ROOM 109. EXTEND CONDUIT AND CONDUCTORS AS NECESSARY.



1 ENLARGED ROOM - 109 LIGHTING REMODEL
1/2" = 1'-0"

PLAN NORTH

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

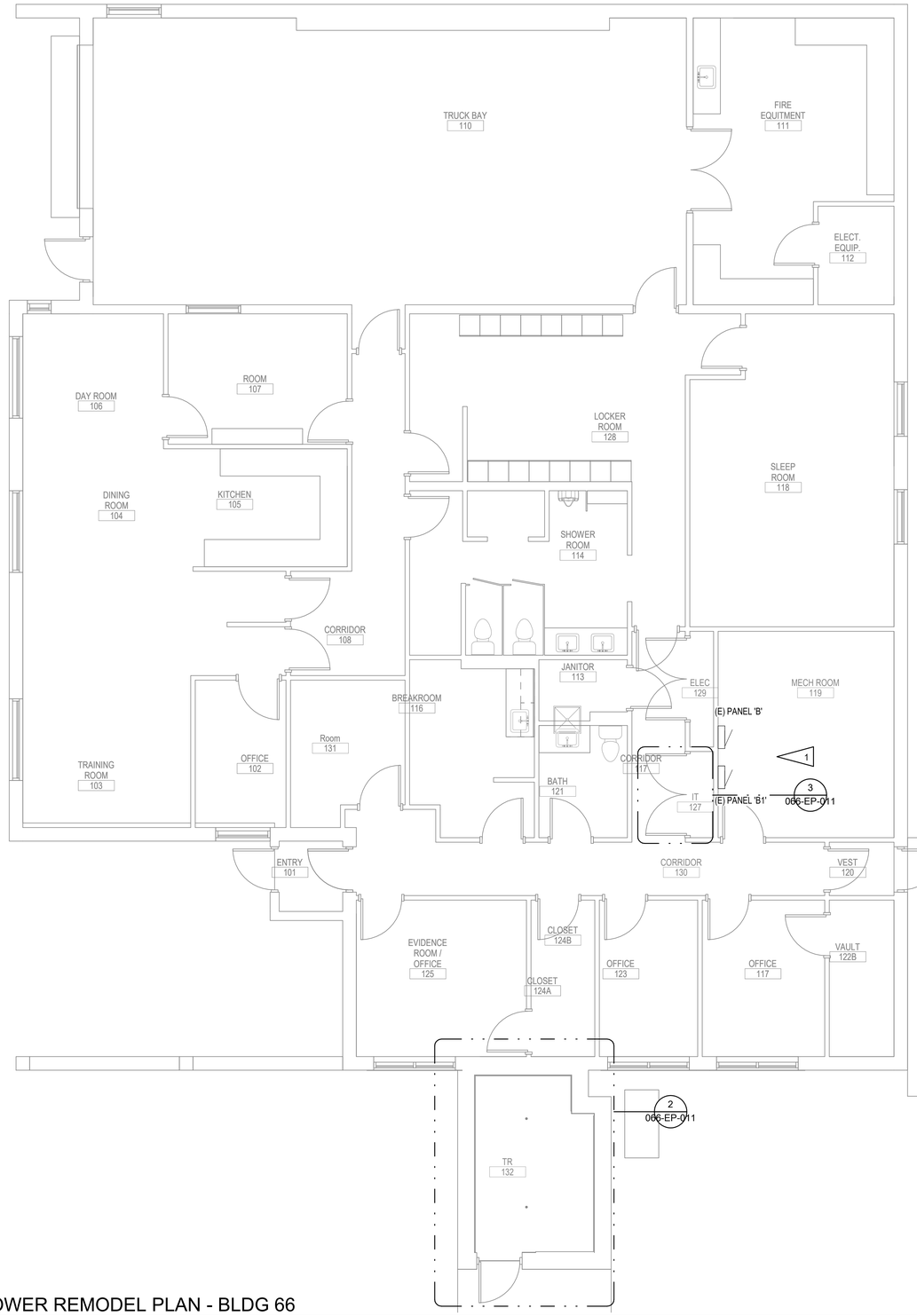
VA U.S. Department of Veterans Affairs

DRAWING TITLE: ENLARGED LIGHTING REMODEL PLAN - ROOM 109	PHASE: 100% CD	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568A4-21-702
			BUILDING NUMBER: 65
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	DRAWING NUMBER: 065-EP-013
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: NVF	

VA FORM 08 - 6231

C:\Users\Lilly Aragon\Documents\R20\Local\M1121_ESERIES_BLDG 65_r20_lamgond76693.rvt

2/22/2022 5:46:17 PM



1 POWER REMODEL PLAN - BLDG 66
1/4" = 1'-0"

PLAN NORTH

GENERAL NOTES:

A. SEE EQUIPMENT SCHEDULE ON THIS SHEET FOR POWER REQUIREMENTS.

B. COORDINATE LIGHTING LAYOUT WITH RACK AND CABLE TRAY LOCATIONS TO PROVIDE ILLUMINATION ON EQUIPMENT PER LIGHTING DESIGN REQUIREMENTS.

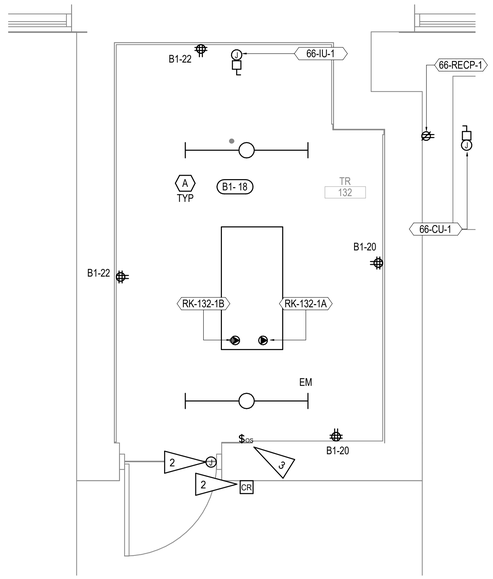
C. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND CONDUIT/PIPE ROUTING PRIOR TO ROUGH-IN.

SHEET NOTES: 1

1. SHIFT LOAD FROM PANEL ' B' TO PANEL 'B1' TO ALLOW SPACE FOR 3Ø BUS 'B' CIRCUIT. SEE PANEL SCHEDULES ON SHEET EK-118.
2. PROVIDE RACEWAY AND BOXES FOR ACCESS CONTROLS SYSTEM COMPONENTS. SEE EK-104 FOR TYPICAL DOOR DETAIL.
3. PROVIDE UNSWITCHED CONDUCTOR FROM LOCAL LIGHTING CIRCUIT AND EXTEND TO CONNECT TO NEW FIXTURES AND SWITCHING SHOWN.

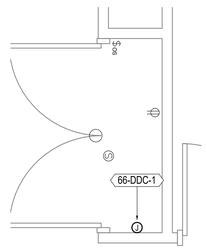
EQUIPMENT SCHEDULE - BUILDING 66

ID TAG	EQUIPMENT DESCRIPTION	ELECTRICAL DATA						REQUIRES DISCONNECT	PANEL / CIRCUIT	CONDUIT / CONDUCTOR SIZE	NOTES
		HP	AMP	WATT	VA	VOLT	Φ				
66-IU-1	AC INDOOR UNIT	-	34.2	-	-	208	1	X	B1-27,29	0.75"C, 2#6, 1#10 GND	INTEGRAL CONTROLLER
66-CU-1	CONDENSING UNIT	-	20.5	-	-	208	1	X	B1-23,25	0.75"C, 2#10, 1#10 GND	INTEGRAL CONTROLLER
66-DDC-1	DDC FOR INDOOR UNIT	-	-	50	-	120	1	N/A	B1-26	0.75"C, 1#12, 1#12 NEUT, 1#12 GND	COORDINATE WITH MECH FOR LOCATION
RK-132-1A	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	B1-17,19,21	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
RK-132-1B	TELECOM RACK RECEPTACLE	-	-	5000	-	208	3	N/A	B1-1,3,5	0.75"C, 3#12, 1#10 NEUT, 1#12 GND	PROVIDE NEMA L21-20R, SEE 5/000-J-001
66-RECP-1	CONVENIENCE RECEPTACLE	-	-	-	180	120	1	N/A	B1-24	0.75"C, 2#12, 1#12 GND	PROVIDE GFCI, WEATHERPROOF CONVENIENCE RECEPTACLE



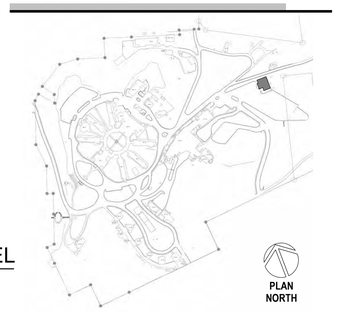
2 ENLARGED ROOM - 132 ELECTRICAL REMODEL
1/2" = 1'-0"

PLAN NORTH



3 ENLARGED ROOM - 127 ELECTRICAL REMODEL
1/2" = 1'-0"

SITE LEGEND



PLAN NORTH

Revisions:	Date:

CONSULTANT

A/E:
GDM
1000 W STEUBEN ST. UNIT 3
BINGEN, WA 98605
541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

ARCHITECT/ENGINEER OF RECORD

RSA Engineering, Inc.
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542

STAMP

STATE OF ALASKA
JEREMY A. MAXIE
EE-113847
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ELECTRICAL REMODEL PLAN - BLDG 66	100% CD FINAL SOLUTION	EHRM INFRASTRUCTURE UPGRADES	568A4-21-702
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: HOT SPRINGS, SOUTH DAKOTA	BUILDING NUMBER: 66
		ISSUE DATE: 02/22/2022 / CHECKED BY: JAM / DRAWN BY: CSZ	DRAWING NUMBER: 066-EP-011

C:\Users\Jly Aragon\Documents\R20\Local\M1121_ESERIES_BLDG 66_r20_laragon\f19693.rvt

2/22/2022 5:49:12 PM

VA FORM 08 - 6231