BLACK HILLS VA HEALTHCARE SYSTEM
ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM)
INFRASTRUCTURE UPGRADES - FORT MEADE, SD

PROJECT NO.: 568-21-701

CONTRACT NO.: 36C77621C0078

100% CONSTRUCTION DOCUMENTS (CD) SUBMITTAL

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

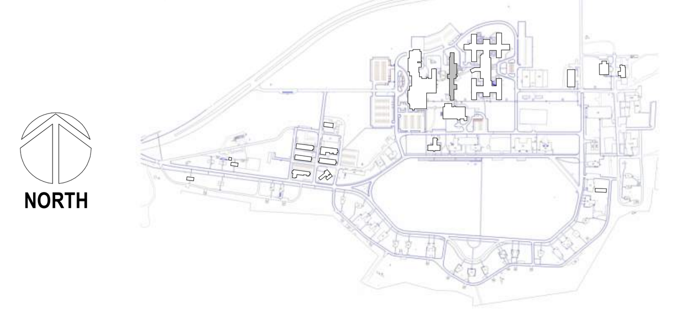
VOLUME 1

- CIVIL
- ARCHITECTURAL
- MECHANICAL

PROJECT LOCATION MAP

PROJECT KEY PLAN

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



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
PLUMB	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

EXPLANATION OF SYMBOLS

- 1 / A3.# — BUILDING SECTION
- #1 / #2 / #3 / #4 / A6.# — INTERIOR ELEVATION
- 1 / A4.# — EXTERIOR ELEVATION
- 1 / A3.# — WALL SECTION
- 1 / A3.# — DETAIL SECTION
- 1 / A3.# — DETAIL CALL OUT
- GRID LINE
- ROOM NAME 101 — ROOM TAG
- X — WINDOW TAG
- ELEVATION
- 101.1 — DOOR TAG
- XX-XX — KEYNOTE TAG
- XXX-X X'-X" — CEILING TAG
- - / --- — VIEW REFERENCE
- X — MATERIAL TAG
- REVISION CLOUD
- X — REVISION TAG
- XXX — ASSEMBLY TAG
- XXX W D HT — CASEWORK TAG / CABINET DESIGN SERIES NO.

15 VIEW NAME 1 1/2" = 1'-0" — POSITION OF VIEW ON SHEET; VIEW NAME; VIEW SCALE

TYPICAL SHEET VIEW NUMBERING LAYOUT

4				
3				
2	...			
1	5			

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, IN TIMELINE, QUALITY OR 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 TIME OR COMPENSATION WILL BE ALLOWED BY REASON OF ANY THING OR MATTER CONCERNING WHICH THE CONTRACTOR COULD 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 REQUIRED TO COMPLETE THE SCOPE OF WORK DEFINED ON THE DRAWINGS AND SPECIFICATIONS WITHIN THE AGREED TIMELINES.
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 PRIOR TO THE COMMENCEMENT OF THE SCOPE.
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 SOLELY 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 AT THE DISCRETION AND TO THE SATISFACTION OF THE C.O.R., 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 BY THE CONTRACTOR.
15. ALL WORK SHALL BE PERFORMED BY SKILLED WORKERS IN A WORKMANLIKE AND PROFESSIONAL MANNER CONSISTENT WITH INDUSTRY STANDARDS AND/OR AS DIRECTED BY THE C.O.R..
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, DUE TO A POSSIBLE WORKMANSHIP ISSUE, WITHIN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. THIS IS NOT TO LIMIT OR EXCLUDE ANY OTHER WARRANTY OR WARRNATY PERIOD OTHERWISE DISCRIBED.
17. CONTRACTOR SHALL SCHEDULE, COORDINATE, AND FACILITATE ALL POWER, WATER, OR TELECOMMUNICATIONS OUTAGES AND SHUTDOWNS. ALL 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.
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 OR ANY OTHER UNAUTHORIZED LOCATION 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 IN EXCESS OF 80 DB. RESCHEDULE SUCH WORK IF SO REQUIRED BY THE FACILITY.
25. NOTIFY THE COR OF ANY DISCREPANCIES DISCOVERED IN THE FIELD THAT REQUIRE CORRECTIVE ACTION PRIOR TO TAKING ANY ACTION.
26. FOR EXISTING FLOORS, CEILINGS, PARTITIONS, AND SERVICES TO REMAIN, PROTECT ALL FINISHES AND MATERIALS, AND REPAIR OR REPLACE ALL ITEMS THAT ARE DAMAGED OR SOILED DURING THE COURSE OF CONSTRUCTION. ALL FINISHES AND MATERIALS SHALL BE PROPERLY INTEGRATED TO INSTITUTE A UNIFORM APPEARANCE AND SEAMESS TRANSITION.
27. ALL ITEMS TO BE REMOVED AND REPLACED SHALL BE HANDLED WITH PROPER CARE AND STORED IN SUCH A MANNER AS TO PREVENT DAMAGE; WHEN DAMAGED, REPLACE 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 OR C.O.R..
31. EXERCISE CARE DURING CONSTRUCTION TO MINIMIZE DISRUPTION OF THE MEDICAL CENTER ROUTINE, COORDINATE SEQUENCE OF WORK AND PHASING WITH THE COR TO MINIMIZE DISRUPTION OF THE MEDICAL CENTER. MANY OF THE WORK ITEMS REQUIRE THE WORK TO BE PERFORMED ONLY AT NIGHT, WEEKENDS, OR HOLIDAYS WITH PRIOR APPOVA OF THE C.O.R. 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.
36. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND COORDINATING ANY REQUIRED THIRD PART INSPECTORS

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 40, 46, 50, 53, 85, 88, 89, 90, 103, 110, 113, 137, 144, 145, 146, 147, 148, T171, AND T296.

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 SPECIFIED 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.

TEMPORARY FIRE & SMOKE PROTECTION

IF MULTIPLE CEILING TILES MUST BE REMOVED AND CANNOT BE REPLACED AT THE END OF THE WORK SHIFT, A 1-HOUR FIRE BARRIER WILL NEED TO BE CONSTRUCTED. IF CONTRACTOR IDENTIFIES UPCOMING WORK RESULTING IN A LONG-TERM CEILING REMOVAL, NOTIFY THE COR IMMEDIATELY WHEATHER A RATED ENCLOSURE MUST BE CONSTRUCTION OR TEMPORARY UPRIGHT SPRINKLER HEADS INSTALLED. THIS WORK IS TO BE PART OF THE SUBMITTED SCOPE OF WORK.

IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRESTOPPED AT THE END OF THE WORK SHIFT DUE TO THE NEED TO PULL ADDITIONAL CABLES, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHOULD BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

WHERE EXISTING CEILINGS ARE TEMPORARILY REMOVED FOR LONGER THAN ONE WORKING SHIFT, PROVIDE TEMPORARY UPRIGHT SPRINKLER HEADS.
WHERE EXISTING CEILINGS ARE PERMANENTLY REMOVED, COORDINATE INSTALLATION OF UPRIGHT HEADS WITHIN ONE WORKING SHIFT TO AVOID LOSS OF SPRINKLER PROTECTION.

PROJECT TEAM

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FORT MEADE VAMC

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STATE OF MONTANA · BILLINGS · ERIC ALAN HELDT · 2399 · LICENSED ARCHITECT

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

DRAWING TITLE	COVER AND PROJECT GENERAL INFORMATION
APPROVED: Project Director	
PHASE	100% CONSTRUCTION DOCUMENTS
FLS	FULLY SPRINKLERED
PROJECT TITLE	EHRM INFRASTRUCTURE UPGRADES
LOCATION	FORT MEADE, SOUTH DAKOTA
ISSUE DATE	04/15/2022
CHECKED BY	TMP
DRAWN BY	JPR
PROJECT NUMBER	568-21-701
BUILDING NUMBER	GEN INFO
DRAWING NUMBER	00-GI-000.1

DRAWING INDEX

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113-ED-012	113 -ELECTRICAL DEMO PLAN -1ST FLOOR ENLARGED PLANS
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145-EP-011	145-ELECTRICAL REMODEL PLAN -FIRST FLOOR
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T296-EP-011	T296-ELECTRICAL REMODEL PLAN -FIRST FLOOR

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FLOOR PLAN NOTES

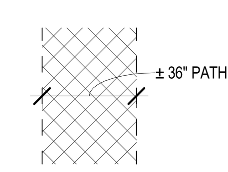
1. REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. ALL INFORMATION REGARDING EXISTING CONDITIONS IS BASED UPON OWNER-SUPPLIED DOCUMENTS AND MAY NOT PRECISELY REFLECT FIELD CONDITIONS.
2. PROVIDE ALL BACKING FOR MILLWORK, GRAB BARS, AND ANY AND ALL WALL MOUNTED EQUIPMENT OR ACCESSORIES; COORDINATE LOCATIONS.
3. ALL DIMENSIONS ARE FROM STRUCTURAL OR UNFINISHED FACE OF STUD, UNLESS OTHERWISE NOTED.
4. PROVIDE A SMOOTH AND LEVEL FINISH FLOOR, TYP. PATCH AND REPAIR ALL INCONSISTENCIES IN FLOOR ELEVATIONS.
5. PATCH AND REPAIR ANY / ALL WALL SURFACES AS REQUIRED TO PROVIDE SUITABLE SUBSTRATE FOR FINISHES.
6. REFER TO DOOR AND FRAME SCHEDULE FOR DOORS REQUIRING ADA ACCESS CONTROL.
7. PROVIDE ACOUSTICAL SEALANT AROUND WALL EDGES, TOP AND BOTTOM, AND PENETRATIONS, AND INSTALL PUTTY PADS AROUND ELECTRICAL BOXES WHERE PARTITION CONTAINS ACOUSTICAL INSULATION.
8. ALL TELECOMMUNICATION ROOMS ARE TO HAVE EXPOSED STRUCTURE UNLESS NOTED OTHERWISE, NO CEILINGS SPECIFIED.

INFECTION CONTROL NOTES

1. PRESSURE INDICATOR MUST BE AT -0.01 OR MORE NEGATIVE PRESSURE (VERIFY TWICE A DAY IN WRITTING) AND SUBMIT TO C.O.R. - IF NOT, VERIFY ALL OPENINGS (SUCH AS DOORS) ARE CLOSED AND/OR CHANGE OUT NEGATIVE AIR PRE-FILTER. METER MUST READ CONTINOUSLY.
2. CONTRACTOR SHALL DEVELOPE A DAILY CHECK LIST FOR CONSTRUCTION OVERSIGHT TUNED TO THE QUALITY ASSURANCE PLAN WHICH CAPTURED MOST ERRORS. THIS MAY EVOLVE TO A LIVING DOCUMENT PENDING ISSUES ENCOUNTERED.
3. REFER TO SPEC SECTION 01 35 26 AND DEMOLITION DRAWINGS FOR ICRA REQUIREMENTS BASED ON DURATION / EXTENT OF WORK AND RISK FACTOR

HAZARDOUS MATERIALS NOTES

1. REMOVAL OF HAZARDOUS MATERIALS FROM THE BUILDING MUST FOLLOW STATE AND FEDERAL REGULATIONS, AS WELL AS LOCAL LAWS WHEN APPLICABLE. DRAWINGS DIAGRAM THE KNOWN ACM MATERIALS AFFECTED BY THE "WORK" AND THESE QUANTITIES FORM THE BASE BID OF THE CONTRACT. REFER TO MECHANICAL, ELECTRICAL, AND TELECOMM DRAWINGS FOR SPECIFIC ROUTING, PENETRATIONS, ETC. COORDINATE ALL HAZMAT CONDITIONS WITH ARCHITECTURAL PLANS.
2. ASBESTOS TESTING OF ALL MATERIALS AFFECTED WITHIN PROJECT SCOPE PRIOR TO DEMOLITION UNLESS OTHERWISE NOTED IS REQUIRED. REFER TO SPECIFICATION SECTION 02 82 11 FOR MATERIAL PRE-TESTED, UANTITIES, AND MECHANICAL DRAWINGS FOR SPECIFIC PENETRATIONS AND CABLE ROUTING TO DATA PORTS IN EACH ROOM.
3. AT COMPLETION OF TESTING CONTRACTOR WILL PROVIDE A REPORT WHIC WILL INCLDUDE MATERIAL LOCATION, DESCRIPTION, AND QUANTITY.
4. REFER TO ACM REPORT TO BE PROVIDED BY THE VA



ASSUMED ROUTE FOR CABLE, CONDUIT, AND/OR CABLE TRAY

REFLECTED CEILING PLAN NOTES

1. REFER TO ELECTRICAL SHEETS FOR FIXTURE TYPES, SWITCHING, AND SPECIAL SYSTEMS.
2. REFER TO MECHANICAL SHEETS FOR DIFFUSER AND DUCTING LAYOUTS.
3. REFERENCE EXTERIOR FINISH LEGEND FOR EXTERIOR PAINT COLORS; REFERENCE FINISH SCHEDULE FOR INTERIOR PAINT COLORS AND FINISH.

DEMOLITION NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/ HERSELF WITH THE SCOPE OF WORK.
2. THE DEMOLITION NOTES PROVIDE A GENERAL DESCRIPTION OF THE ITEMS AND AREAS REQUIRING REMOVAL. THE CONTRACTOR SHALL FIELD VERIFY ACTUAL QUANTITIES AND LOCATIONS OF ALL INDICATED ITEMS AS NECESSARY TO COMPLETE THE SCOPE OF WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. COORDINATE WITH OWNER FOR ANY EQUIPMENT TO BE SALVAGED. UNLESS SPECIFICALLY SCHEDULED FOR REUSE, DEMOLISHED MATERIALS SHALL BECOME THE POSSESSION OF THE CONTRACTOR AND SHALL BE IMMEDIATELY REMOVED FROM THE SITE.
4. REMOVE MATERIALS FROM SITE AND DISPOSE OF IN A LEGAL AND ENVIRONMENTALLY FRIENTLY MANNER PER VA GUIDELINES AT NO ADDITIONAL EXPENSE TO OWNER
5. DEBRIS FROM THE DEMOLITION SHALL NOT BE ALLOWED TO ACCUMULATE WITHIN THE BUILDING OR ON THE SITE. ALL DEBRIS IS TO BE REMOVED, AT MINIMUM ONCE PER SHIFT DURING THE DESIGNATED TIMES.
6. REMOVE FROM SITE ANY CONTAMINATED, VERMIN INFESTED, OR DANGEROUS MATERIALS ENCOUNTERED AND DISPOSE OF BY SAFE MEANS SO AS NOT TO ENDANGER HEALTH OF WORKERS AND PUBLIC.
7. BURNING OF MATERIALS ON SITE IS NOT PERMITTED.
8. CLEAN-UP: MUST MEET GOVERNING DUST CONTROL CODES AND STANDARDS.
9. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS.
10. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
11. CARRY OUT DEMOLITION WORK TO CAUSE AS LITTLE INCONVENIENCE TO ANY ADJACENT OCCUPIED BUILDING OR SITE AS POSSIBLE AND WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES. MAINTAIN PROTECTED EGRESS AND ACCESS AT ALL TIMES.
12. CONTRACTOR SHALL PROVIDE TEMPORARY DUST AND CONSTRUCTION SEPARATION WALLS AS REQUIRED TO SHIELD THE PUBLIC FROM NOISE, DUST, WEATHER, AND OTHER HAZARDS THAT MAY BE EXPOSED AS A RESULT OF THE DEMOLITION WORK. **SEE SPECIFICATION SECTION 01 35 26 FOR DETAILS AND DEMOLITION DRAWINGS FOR LOCATIONS.**
13. PERFORM CUTTING OF EXISTING CONCRETE AND MASONRY WITH SAWS AND CORE DRILLS. DO NOT USE JACK-HAMMERS EXCEPT WHERE PERMITTED AND APPROVED BY C.O.R..
14. BREAK CONCRETE AND MASONRY INTO SECTIONS LESS THAN 3 FEET IN ANY DIMENSION.
15. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE EXISTING STRUCTURAL ELEMENTS REMAIN UNDAMAGED THROUGHOUT CONSTRUCTION, UNLESS SPECIFICALLY NOTED ON DEMOLITION PLAN. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND PROVIDE ANY SHORING, BRACING, OR TEMPORARY STRUCTURE, AND TO COORDINATE WITH STRUCTURAL ENGINEER AS REQUIRED.
16. ALL PUBLIC UTILITIES ARE TO REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE ANY TEMPORARY SERVICES REQUIRED TO MAINTAIN BUSINESS OPERATIONS WITH THE C.O.R..
17. SEE ENGINEERING DRAWINGS FOR DUCTWORK, DIFFUSER, PLENUM BOX, ETC. DEMOLITION AND/OR PROTECTION. COORDINATE WITH MECHANICAL ENGINEER. ANY EARTHWORK REQUIRES A THIRD PARTY LOCATE.
18. FIRE SAFETY MUST BE MAINTAINED FOR ALL PERSONNEL WORKING ON THE FLOOR. ALL FIRE STAIRS, ALARMS, SPEAKERS, ETC. MUST REMAIN ACCESSIBLE AND OPERABLE AT ALL TIMES. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT THIS EQUIPMENT. IMMEDIATELY NOTIFY C.O.R., BUILDING SECURITY, AND BUILDING MANAGER OF DAMAGED OR DISABLED SYSTEMS AND REPAIR OR REPLACE DAMAGED SYSTEMS IMMEDIATELY AS DIRECTED AND TO THE SATISFACTION OF THE C.O.R.. RELOCATION OF SMOKE DETECTORS, PUBLIC ADDRESS SPEAKERS AND FIRE ALARM EQUIPMENT, NECESSITATED BY NEW CONSTRUCTION, SHALL BE ACCOMPLISHED AS A FIRST PRIORITY, AND PER THE PLANS.
19. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE POINT IN QUESTION WITH THE C.O.R BEFORE PROCEEDING. IMMEDIATELY STOP WORK IF HAZARDOUS MATERIALS ARE FOUND AND CONTACT THE C.O.R..
20. SEE TELECOMMUNICATION DRAWINGS FOR REMOVAL OF ANY EQUIPMENT, CABLING SWITCHES, AND CONDUIT PERTAINING TO DATA/COMMUNICATIONS AND TELEPHONE. VERIFY WITH TELEPHONE COMPANIES, SERVICE OWNER OR TENANT DATA/COMMUNICATIONS REPRESENTATIVE AS REQUIRED TO PREVENT NEW CONSTRUCTION DELAYS.
21. PROVIDE FOR FIRE PROOFING REPAIR AS REQUIRED, TO THE ORIGINAL RATING WHERE CONSTRUCTION TRADES REMOVE EXISTING FIRE PROOFING. REPAIR ANY DAMAGE OR PENETRATIONS IN RATED ASSEMBLIES TO CONFORM TO THEIR ORIGINAL LISTING REQUIREMENTS AND TO MAINTAIN FIRE PROTECTION AND SEPARATION AS ORIGINALLY DESIGNED.
22. AT COMPLETION OF DEMOLITION WORK, THE CONSTRUCTION AREA(S) SHALL BE LEFT IN CLEAN AND ORDERLY CONDITION. ALL DEBRIS AND MISCELLANEOUS MATERIAL SHALL BE REMOVED.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND/OR REPAIRING ANY AND ALL DAMAGE CAUSED BY OR IN CONJUCTION WITH THE "WORK". REFINISH TO MATCH EXISTING ADJACENT FINISH, OR AS NOTED HEREIN.
24. FOR AREAS NOT IN DEMOLITION SCOPE OF WORK, PROTECT AS REQUIRED, ALL SURFACES, EQUIPMENT, FIXTURES AND HARDWARE DURING DEMOLITION AND/OR CONSTRUCTION.
25. PRIOR TO DEMOLITION, INVESTIGATE WALLS FOR CONCEALED PIPING AND/OR OTHER UTILITIES OR SERVICES AND INFORM THE C.O.R. OF ANY CONDITION NOT DOCUMENTED IN CONTRACT DRAWINGS. DEMO DESIGNATED WALL BASES, WALL FRAMING, BATT INSULATION AND GYPSUM BOARD. DEMO CONDUITS AND RECEPTACLES, REFERENCE ELECTRICAL DEMO PLAN FOR ADDITIONAL INFORMATION.
26. ALL EXISTING DIRECTIONAL SIGNAGE TO BE REMOVED UNLESS NOTED OTHERWISE.
27. WHERE NOTED, REMOVE FLOORING DOWN TO TOP OF CONC. SLAB, INCLUDING ADHESIVES, TRANSITION STRIPS, AND OTHER ASSOCIATED ELEMENTS, TYP., UNLESS NOTED OTHERWISE. PREPARE REMAINING SURFACES TO RECEIVE NEW FINISHES.

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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
DRAWING INDEX AND PROJECT GENERAL INFORMATION	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: GEN INFO
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: JPR	DRAWING NUMBER: 00-GI-001

APPLICABLE CODES AND ORDINANCES

2021 NFPA 101, LIFE SAFETY CODE
2022 NFPA 13, STANDARD FOR THE INSTALL ATION OF SPRINKLER SYSTEMS
2020 NFPA 25, STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
2020 NFPA 70, NATIONAL ELECTRICAL CODE
2022 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
2020 NFPA 75, STANDARD FOR THE FIRE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT

2021 INTERNATIONAL BUILDING CODE (IBC) WHERE NFPA 101 AND ASSOCIATED DOCUMENTS ARE SILENT
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL FIRE CODE (IFC), WHERE NFPA STANDARDS AND CODES ARE SILENT
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL FUEL GAS CODE (IFGC)
2021 UNIFORM PLUMBING CODE
2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ICC/ANSI 117.1)

ENERGY CODE - BUILDING ENVELOPE

PER 2018 IECC TABLE C402.2:
MONTANA- CLIMATE ZONE XX

BUILDING ELEMENT		REQUIRED	PROVIDED
ROOFS	INSULATION ENTIRELY ABOVE DECK	R-30ci	R-30ci (MIN.)
WALLS, ABOVE GRADE	METAL FRAMED	R-13 + R-7.5ci	R-22 + R-7.5ci
WALLS, BELOW GRADE	BELOW- GRADE WALL	R-7.5ci	R-7.5ci
SLAB- ON- GRADE FLOORS	UNHEATED SLABS	R-10 FOR 24" BELOW	R-15 TO T.O. FOUNDATION
OPAQUE DOORS	SWINGING	U-0.37	U-0.37
	ROLL- UP OR SLIDING	R-4.75	R-4.75
FIXED FENESTRATION		U-0.36; SHGC-0.40	U-0.33 MIN; GLAZING SHGC 0.27 MIN
OPERABLE FENESTRATION		U-0.43; SHGC-0.40	N/A
ENTRANCE DOORS		U-0.77; SHGC-0.40	U-0.33 MIN; GLAZING SHGC 0.27 MIN

2018 INTERNATIONAL ENERGY CODE SUMMARIES AND REFERENCE SECTIONS BELOW ARE PROVIDED FOR CONVENIANCE ONLY . IT IS THE CONTRACTORS RESPONSIBILITY TO UNDERSTAND AND MEET THE REQUIREMENTS OF THE 2018 INTERNATIONAL ENERGY CODE

C402.4 AIR LEAKAGE (MANDATORY)
THE THERMAL ENVELOPE OF BUILDINGS SHALL COMPLY WITH SECTIONS C402.4.1 THROUGH C402.4.8

C402.4.1 AIR BARRIERS
A CONTINUOUS AIR BARRIER SHALL BE PROVIDED THROUGHOUT THE BUILDING THERMAL ENVELOPE.

C402.4.1.1 AIR BARRIER CONSTRUCTION
1. THE AIR BARRIER SHALL BE CONTINUOUS FOR ALL ASSEMBLIES THAT ARE THE THERMAL ENVELOP OF THE BUILDING AND ACROSS THE JOINTS AND ASSEMBLIES.
2.AIR BARRIER JOINTS AND SEAMS SHALL BE SEALED, INCLUDING SEALING TRANSITIONS IN PLACES AND CHANGES IN MATERIALS.
3. RECESSED LIGHTING FIXTURES AND OTHER SIMILAR INSTALLED OBJECTS WHICH PENETRATE THE AIR BARRIER SHALL COMPLY WITH SECTION C402.4.8
EXCEPTION: BUILDINGS THAT COMPLY WITH SECTION C402.4.1.2.3 ARE NOT REQUIRED TO COMPLY WITH ITEMS 1 AND 3

C402.4.1.2.3 BUILDING TEST
THE COMPLETED BUILDING SHALL BE TESTED AND THE AIR LEAKAGE RATE OF THE BUILDING ENVELOPE SHALL NOT EXCEED 0.40 cfm/ft² AT A PRESSURE DIFFERENTIAL OF 0.3 INCHES WATER GAUGE (2.0l/s*m² AT 75 Pa) IN ACCORDANCE WITH ASTM E779 OR AN EQUIVALENT METHOD APPROVED BY THE CODE OFFICIAL.

C402.4.2 AIR BARRIER PENETRATIONS
A CONTINUOUS AIR BARRIER SHALL BE PROVIDED THROUGHOUT THE BUILDING THERMAL ENVELOPE.

ACCESSIBILITY

SECTION 1103 SCOPING REQUIREMENTS - 1103.1 WHERE REQUIRED.
SITES, BUILDINGS, STRUCTURES, FACILITIES, ELEMENTS AND SPACES, TEMPORARY OR PERMANENT, SHALL BE ACCESSIBLE TO PERSONS WITH PHYSICAL DISABILITIES.

EXCEPTIONS:
1103.2.3 EMPLOYEE WORK AREAS. SPACES AND ELEMENTS WITHIN EMPLOYEE WORK AREAS SHALL ONLY BE REQUIRED TO COMPLY WITH SECTION 907.5.2.3.2, 1007, AND 1104.3.1 AND SHALL BE DESIGNED AND CONSTRUCTION SO THAT INDIVIDUALS WITH DISABILITIES CAN APPROACH, ENTER, AND EXIT THE WORK AREAS.

1103.2.8 LIMITED ACCESS SPACES. NONOCCUPIABLE SPACES ACCESSED ONLY BY LADDERS, CATWALKS, CRAWLSPACES, FREIGHT ELEVATORS OR VERY NARROW PASSAGEWAYS ARE NOT REQUIRED TO BE ACCESSIBLE.

1103.2.9 EQUIPMENT SPACES. SPACES FREQUENTED ONLY BY PERSONNEL FOR MAINTENANCE, REPAIR OR MONITORING OF EQUIPMENT ARE NOT REQUIRED TO BE ACCESSIBLE.

2203.2.15 WALK IN COOLERS AND FREEZERS. WALK IN COOLERS AND FREEZERS INTENDED FOR EMPLOYEE USE ONLY ARE NOT REQUIRED TO BE ACCESSIBLE.

SECTION 1104 ACCESSIBLE ROUTES - 1104.5 LOCATION.
ACCESSIBLE ROUTES SHALL COINCIDE WITH OR BE LOCATED IN THE SAME AREA AS A GENERAL CIRCULATION PATH. WHERE THE CIRCULATION PATH IS INTERIOR, THE ACCESSIBLE ROUTE SHALL ALSO BE INTERIOR. WHERE ONLY ONE ACCESSIBLE ROUTE IS PROVIDED, THE ACCESSIBLE ROUTE SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, RESTROOMS, CLOSETS, OR SIMILAR SPACES.

1105.1 PUBLIC ENTRANCES.
IN ADDITION TO ACCESSIBLE ENTRANCES REQUIRED BY SECTION 1105.1.1 THROUGH 1105.1.6, AT LEAST 60 PERCENT OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE.

EXCEPTIONS: LOADING AND SERVICE ENTRANCES THAT ARE NOT THE ONLY ENTRANCE TO A TENANT SPACE.

1105.1.6 TENANT SPACES.
AT LEAST ONE ACCESSIBLE ENTRANCE SHALL BE PROVIDED TO EACH TENANT.

SECTION 1106 PARKING AND PASSENGER LOADING FACILITIES - 1106.1 REQUIRED.
WHERE PARKING IS PROVIDED, ACCESSIBLE PARKING SPACES SHALL BE PROVIDED IN COMPLIANCE WITH TABLE 1106.1, EXCEPT AS REQUIRED BY SECTION 1106.2 THROUGH 1106.4.

1106.6 LOCATION.
ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE.

SECTION 1108 SPECIAL OCCUPANCIES - 1108.2 ASSEMBLY AREA SEATING.
A BUILDING, ROOM OR SPACE USED FOR ASSEMBLY PURPOSED WITH FIXED SEATING SHALL COMPLY WITH SECTION 1108.2.1 THROUGH 1108.2.5. PER 1108.2.2.1 GENERAL SEATING. WHEELCHAIR SPACES SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 1108.2.2.1.

SECTION 1110 SIGNAGE - 1110.1 SIGNS.
REQUIRED ACCESSIBLE ELEMENTS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT THE FOLLOWING LOCATIONS: ACCESSIBLE PARKING SPACES, PASSENGER LOADING ZONES, ROOMS, ENTRANCES, CHECK-OUT AISLES, FAMILY OR ASSISTED-USE TOILET AND BATHING ROOMS, AREAS OF REFUGE, AND EXTERIOR AREAS. IN ADDITIONAL 1110.2 DIRECTIONAL SIGNAGE. DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST LIKE ACCESSIBLE ELEMENT SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS STATED IN 1110.2 AND INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

1110.4 VARIABLE MESSAGE SIGNS - TRANSPORTATION FACILITIES.
WHERE PROVIDED IN TRANSPORTATION FACILITIES, VARIABLE MESSAGE SIGNS CONVEYING TRANSPORTATION-RELATED INFORMATION SHALL COMPLY WITH SECTION 1110.4

SUSTAINABILITY NOTES

1. REPETITIVE AND/OR INTERMITTENT HIGH-LEVEL NOISE PERMITTED ONLY DURING DAYTIME. AT 50'-0" FROM THE PROJECT BOUNDARY DO NOT EXCEED 70 DB(A) FOR MORE THAN 12 MINUTES IN ANY HOUR.
2. MAXIMUM AMBIENT NOISE LEVELS (DB) FOR NOISE AREA AT PROJECT BOUNDARY: DAYLIGHT HOURS 65 DB, NON-DAYLIGHT HOURS 45 DB.
3. DEVELOP A WASTE MANAGEMENT PLAN ACCORDING TO ASTM E 1609. PLAN SHALL CONSIST OF WASTE IDENTIFICATION, WASTE REDUCTION WORK PLAN, AND COST/REVENUE ANALYSIS. DISTINGUISH BETWEEN CONSTRUCTION WASTES. INDICATE QUANTITIES BY WEIGHT OR VOLUME, BUT USE SAME UNITS OF MEASURE THROUGHOUT WASTE MANAGEMENT PLAN.
4. DEVELOP A WASTE REDUCTION WORK PLAN. IDENTIFY NON-HAZARDOUS DEMOLITION AND CONSTRUCTION WASTE GENERATED BY THE PROJECT AND WHETHER IT WILL BE SALVAGED, RECYCLED, OR DISPOSED OF IN LANDFILL. INCLUDE QUANTITY OF EACH TYPE OF WASTE, QUANTITY FOR EACH MEANS OF RECOVERY, AND HANDLING AND TRANSPORTATION PROCEDURES.
5. RECYCLED MATERIALS: DIVERT, AT A MINIMUM, 50% OF RESULTING WASTE FROM A LANDFILL THROUGH SALVAGE AND RECYCLING. SEPARATE RECYCLABLE WASTE FROM OTHER WASTE MATERIALS, TRASH, AND DEBRIS.
6. DEVELOP A CONSTRUCTION IAQ MANAGEMENT PLAN. AT A MINIMUM, SCHEDULE OF INSTALLATION OF INTERIOR FINISHES, IDENTIFY SOURCES OF ODOR AND DUST, NOTE CONSTRUCTION VENTILATION PROVIDED INCLUDING USE OF PERMANENT HVAC SYSTEMS, TYPES OF FILTRATION AND SCHEDULE FOR REPLACEMENT OF FILTERS, CLEANING AND DUST CONTROL PROCEDURES, PRODUCTS REQUIRING MOISTURE PROTECTION, AND SCHEDULE FOR INSPECTION OF STORED MATERIALS.
7. DEVELOP A TEMPORARY SEDIMENTATION CONTROL PLAN. INDICATE DEVICES, MEASURES, AND LOCATIONS FOR SEDIMENT CONTROL DEVICES, DESCRIBE CONSTRUCTION ACTIVITIES EFFECTING EROSION, DESCRIBE MONITORING AND MEASURES FOR SEDIMENT CONTROL, DESCRIBE MITIGATION AND RESPONSE TO FAILED EROSION CONTROL MEASURES.
8. LOW EMITTING MATERIALS. PAINTS, COATINGS, ADHESIVES AND SEALANTS FOR FIELD APPLICATIONS INSIDE THE WEATHER PROOFING SYSTEM SHALL COMPLY WITH VOC CONTENT LIMITS OF AUTHORITIES HAVING JURISDICTIONS OR SCAQMD RULE 1168, WHICHEVER IS STRICTER.
9. NO SMOKING. SMOKING, VAPING, AND SMOKELESS TOBACCO USE IS NOT PERMITTED WITHIN THE BUILDING, OR WITHIN 25'-0" OF ENTRANCES, OPERABLE WINDOWS, OR OUTDOOR AIR INTAKES.
10. CAST-IN-PLACE CONCRETE. PROVIDE STEEL REINFORCING MATERIALS WITH MINIMUM 25% RECYCLED CONTENT. PROVIDE AGGREGATE AND CEMENT EXTRACTED AND/OR MANUFACTURED WITHIN 500 MILES OF PROJECT SITE.
11. UNIT MASONRY. PROVIDE BRICK, BLOCK, AGGREGATE, CEMENT, MORTAR, AND LIME EXTRACTED AND/OR MANUFACTURED WITHIN 500 MILES OF PROJECT SITE.
12. STRUCTURAL STEEL, STEEL DECKING, FORMED METAL FRAMING, METAL TOILET COMPARTMENTS, AND FORMED METAL WALL AND ROOF PANELS. PROVIDE MATERIALS WITH POST-CONSUMER RECYCLED CONTENT PLUS ONE-HALF OF PRE-CONSUMER RECYCLED CONTENT NOT LESS THAN 25%.
13. ALL COMPOSITE WOOD PRODUCTS SHALL BE MANUFACTURED WITHOUT ADDED UREA FORMALDEHYDE.
14. ALUMINUM ENTRANCE AND WINDOW SYSTEMS. PROVIDE ALUMINUM MATERIALS WITH POST-CONSUMER RECYCLED CONTENT PLUS ONE-HALF OF PRE-CONSUMER RECYCLED CONTENT NOT LESS THAN 50%.
15. PROVIDE GYPSUM BOARD WALL PANELS MANUFACTURED WITHIN 500 MILES OF THE PROJECT SITE.
16. RESILIENT HARD SURFACE FLOORING MATERIALS AND THEIR ADHESIVES SHALL BE FLOORSCORE CERTIFIED.
17. PLUMBING FIXTURES SHALL BE WATERSENSE CERTIFIED.

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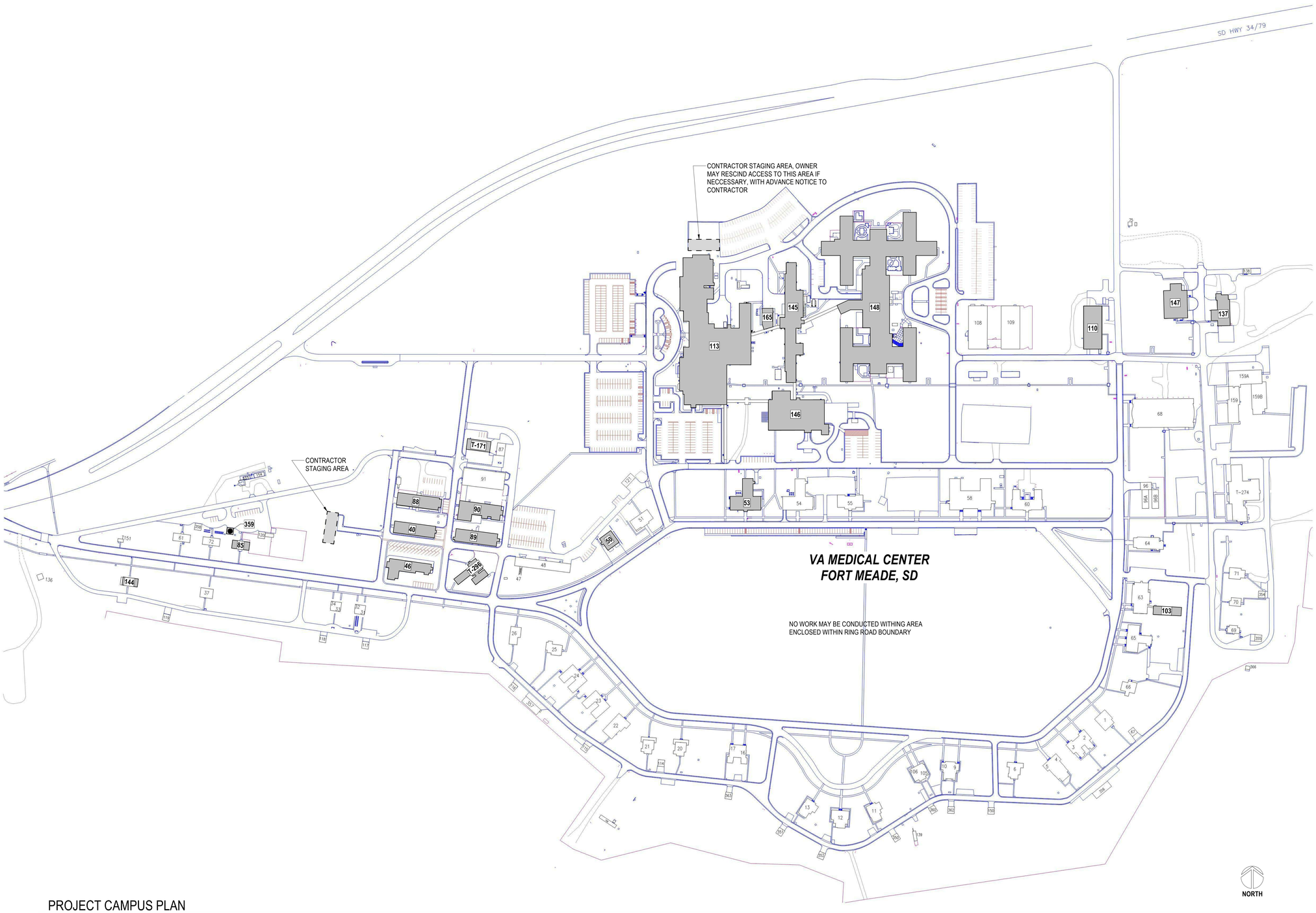
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

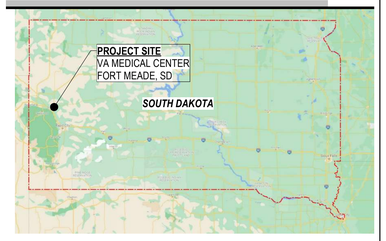
DRAWING TITLE	PROJECT CODE SUMMARY
APPROVED: Project Director	
PHASE	100% CONSTRUCTION DOCUMENTS
FLS	FULLY SPRINKLERED
PROJECT TITLE	EHRM INFRASTRUCTURE UPGRADES
LOCATION	FORT MEADE, SOUTH DAKOTA
ISSUE DATE	04/15/2022
CHECKED BY	TMP
DRAWN BY	JPR
PROJECT NUMBER	568-21-701
BUILDING NUMBER	GEN INFO
DRAWING NUMBER	00-GI-002



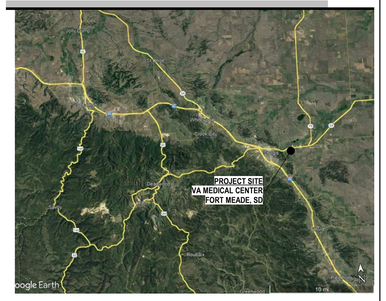
PROJECT CAMPUS PLAN

N.T.S.

SOUTH DAKOTA STATE MAP

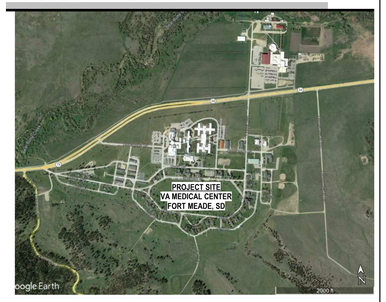


PROJECT REGION MAP



PROJECT LOCATION MAP

PROJECT SITE MAP



PROJECT KEY PLAN

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

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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: PROJECT LOCATION MAPS & CAMPUS PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: GEN INFO
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VA FORM 08 - 6231

NOTE: ALL WORK TO BE CONDUCTED IN DESIGNATED CLASS IV AND V AREAS AS INDICATED IN DRAWINGS, IS TO BE COORDINATED SEVEN (7) DAYS AHEAD OF SCHEDULE WORK WITH INFECTION PREVENTION STAFF AND C.O.R.

ASHE

Infection Control Risk Assessment 2.0
Matrix of Precautions for Construction, Renovation and Operations

Step One:
Using Table 1, identify the Construction Project Activity Type (A-D).

Table 1 - Construction Project Activity Type: ______________

Type A	**Inspection and non-invasive activities.** Includes but is not limited to: • Removal of ceiling tile for visual inspection-limited to 1 tile per 50 square feet with limited exposure time. • Limited building system maintenance (e.g., pneumatic tube station, HVAC system, fire suppression system, electrical and carpentry work to include painting without sanding) that does not create dust or debris. • Clean plumbing activity limited in nature.
Type B	**Small-scale, short duration activities that create minimal dust and debris.** Includes but is not limited to: • Work conducted above the ceiling (e.g., prolonged inspection or repair of firewalls and barriers, installation of conduit and/or cabling, and access to mechanical and/or electrical chase spaces). • Fan shutdown/startup. • Installation of electrical devices or new flooring that produces minimal dust and debris. • The removal of drywall where minimal dust and debris is created. • Controlled sanding activities (e.g., wet or dry sanding) that produce minimal dust and debris.
Type C	**Large-scale, longer duration activities that create a moderate amount of dust and debris.** Includes but is not limited to: • Removal of preexisting floor covering, walls, casework or other building components. • New drywall placement. • Renovation work in a single room. • Nonexisting cable pathway or invasive electrical work above ceilings. • The removal of drywall where a moderate amount of dust and debris is created. • Dry sanding where a moderate amount of dust and debris is created. • Work creating significant vibration and/or noise. • Any activity that cannot be completed in a single work shift.
Type D	**Major demolition and construction activities.** Includes but is not limited to: • Removal or replacement of building system component(s). • Removal/installation of drywall partitions. • Invasive large-scale new building construction. • Renovation work in two or more rooms.

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ASHE

Infection Control Risk Assessment 2.0
Matrix of Precautions for Construction, Renovation and Operations

Step Two:
Using Table 2, identify the Patient Risk Group(s) that will be affected. If more than one risk group will be affected, select the higher risk group.

Table 2 - Patient Risk Group: ______

Low Risk	Medium Risk	High Risk	Highest Risk
Non-patient care areas such as:	**Patient care support areas such as:**	**Patient care areas such as:**	**Procedural, invasive, sterile support and highly compromised patient care areas such as:**
• Public hallways and gathering areas not on clinical units. • Office areas not on clinical units. • Breakrooms not on clinical units. • Bathrooms or locker rooms not on clinical units. • Mechanical rooms not on clinical units. • EVS closets not on clinical units.	• Waiting areas. • Clinical engineering. • Materials management. • Sterile processing department - dirty side. • Kitchen, cafeteria, gift shop, coffee shop, and food kiosks.	• Patient care rooms and areas • All acute care units • Emergency department • Employee health • Pharmacy - general work zone • Medication rooms and clean utility rooms • Imaging suites: diagnostic imaging • Laboratory.	• All transplant and intensive care units. • All oncology units. • OR theaters and restricted areas. • Procedural suites. • Pharmacy compounding. • Sterile processing department - clean side. • Transfusion services. • Dedicated isolation wards/units. • Imaging suites: invasive imaging.

Step Three:

Match the Patient Risk Group (*Low, Medium, High, Highest*) from Step Two with the planned Construction Activity Project Type (*A, B, C, D*) from Step One using Table 3 to find the Class of Precautions (*I, II, III, IV or V*) or level of infection control activities required. The activities are listed in Table 5 – Minimum Required Infection Control Precautions by Class.

Table 3 - Class of Precautions: ______________

Patient Risk Group	Construction Project Type TYPE A	TYPE B	TYPE C	TYPE D
LOW Risk Group	I	II	II	III
MEDIUM Risk Group	I	II	III	IV
HIGH Risk Group	I	III	IV	V
HIGHEST Risk Group	III	IV	V	V

Infection control permit and approval will be required when Class of Precautions III (Type C) and all Class of Precautions IV or V are necessary.

Environmental conditions that could affect human health, such as sewage, mold, asbestos, gray water and black water will require Class of Precautions IV for LOW and MEDIUM Risk Groups and Class of Precautions V for HIGH and HIGHEST Risk Groups.

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Matrix of Precautions for Construction, Renovation and Operations

Step Four:
Assess potential risk to areas surrounding the project. Using Table 4, identify the surrounding areas that will be affected and the type of impact that will occur. If more than one risk group will be affected, select the higher risk group using Table 2 - Patient Risk Group.

Table 4 - Surrounding Area Assessment

Unit Below:	Unit Above:	Unit Lateral:	Unit Behind:	Unit in Front:
Risk Group:	Risk Group:	Risk Group:	Risk Group:	Risk Group:
Contact:	Contact:	Contact:	Contact:	Contact:
Phone:	Phone:	Phone:	Phone:	Phone:
Additional Controls: ☐ Noise ☐ Vibration ☐ Dust control ☐ Ventilation ☐ Pressurization ☐ Impact to other systems, such as: ☐ Data ☐ Mechanical ☐ Med Gases	**Additional Controls**: ☐ Noise ☐ Vibration ☐ Dust control ☐ Ventilation ☐ Pressurization ☐ Impact to other systems, such as: ☐ Data ☐ Mechanical ☐ Med Gases	**Additional Controls**: ☐ Noise ☐ Vibration ☐ Dust control ☐ Ventilation ☐ Pressurization ☐ Impact to other systems, such as: ☐ Data ☐ Mechanical ☐ Med Gases	**Additional Controls**: ☐ Noise ☐ Vibration ☐ Dust control ☐ Ventilation ☐ Pressurization ☐ Impact to other systems, such as: ☐ Data ☐ Mechanical ☐ Med Gases	**Additional Controls**: ☐ Noise ☐ Vibration ☐ Dust control ☐ Ventilation ☐ Pressurization ☐ Impact to other systems, such as: ☐ Data ☐ Mechanical ☐ Med Gases

Noise & Vibration Mitigation Strategies

- ☐ Use diamond drills instead of powder-actuated fasteners.
- ☐ Schedule noise-making periods with adjacent spaces.
- ☐ Use beam clamps instead of shot.
- ☐ Prefab where possible.
- ☐ Use tin snips to cut metal studs instead of using a chop saw.
- ☐ Install metal decking with vent tabs, then use cellular floor deck hangers.
- ☐ Consider pro-press instead of soldering, brazing or welding.
- ☐ Wet core drill instead of dry core or percussion.
- ☐ Instead of jackhammering concrete, use wet diamond saws.
- ☐ Use HEPA vacuums instead of standard wet/dry vacuums.
- ☐ Use mechanical joining system sprinkler fittings instead of threaded.
- ☐ Where fumes are tolerated, use chemical adhesive remover (flooring glue) instead of mechanical.
- ☐ To remove flooring, shot blast instead of using a floor scraper.
- ☐ Use electric sheers instead of reciprocating saw for ductwork cutting.
- ☐ Install exterior man/material lifts.

Ventilation & Pressurization Mitigation Strategies

- ☐ HEPA to exterior.
- ☐ Install temporary ductwork.
- ☐ Utilize temporary HVAC equipment.
- ☐ Vacate the area.
- ☐ Install temporary partitions.
- ☐ Use carbon filtration to filter odors.

Impact to Other Systems Mitigation Strategies

- ☐ Schedule outages.
- ☐ Provide temporary systems.
- ☐ Back-feed electricity or medical gases.

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Matrix of Precautions for Construction, Renovation and Operations

Table 5 - Minimum Required Infection Control Precautions by Class | Before and During Work Activity

Class of Precautions	Mitigation Activities (Performed Before and During Work Activity)
Class I	1. Perform noninvasive work activity as to not block or interrupt patient care. 2. Perform noninvasive work activities in areas that are not directly occupied with patients. 3. Perform noninvasive work activity in a manner that does not create dust. 4. Immediately replace any displaced ceiling tile before leaving the area and/or at end of noninvasive work activity.
Class II	1. Perform only limited dust work and/or activities designed for basic facilities and engineering work. 2. Perform limited dust and invasive work following standing precautions procedures approved by the organization. 3. This Class of Precautions must never be used for construction or renovation activities.
Class III	1. Provide active means to prevent airborne dust dispersion into the occupied areas. 2. Means for controlling minimal dust dispersion may include hand-held HEPA vacuum devices, polyethylene plastic containment, or isolation of work area by closing room door. 3. Remove or isolate return air diffusers to avoid dust from entering the HVAC system. 4. Remove or isolate the supply air diffusers to avoid positive pressurization of the space, 5. If work area is contained, then it must be neutrally to negatively pressurized at all times. 6. Seal all doors with tape that will not leave residue. 7. Contain all trash and debris in the work area. 8. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 9. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 10. Maintain clean surroundings when area is not contained by damp mopping or HEPA vacuuming surfaces.
Class IV	1. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above. 2. All (plastic or hard) barrier construction activities must be completed in a manner that prevents dust release. Plastic barriers must be effectively affixed to ground and ceiling and secure from movement or damage. Apply tape that will not leave a residue to seal gaps between barriers, ceiling or floor. 3. Seal all penetrations in containment barriers, including floors and ceiling, using approved materials (UL schedule firestop if applicable for barrier type). 4. Containment units or environmental containment units (ECUs) approved for Class IV precautions in small areas totally contained by the unit and that has HEPA-filtered exhaust air. 5. Remove or isolate return air diffusers to avoid dust entering the HVAC system. 6. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. 7. Negative airflow pattern must be maintained from the entry point to the anteroom and into the construction area. The airflow must cascade from outside to inside the construction area. The entire construction area must remain negatively pressurized. 8. Maintain negative pressurization of the entire workspace by use of HEPA exhaust air systems directed outdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows does not require HEPA-filtered air. 9. If exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA filtration must be verified by particulate measurement as no less than 99.97% efficiency and must not alter or change airflow/pressure relationships in other areas. 10. Exhaust into shared or recirculating HVAC systems, or other shared exhaust systems (e.g., bathroom exhaust) is not acceptable. 11. Install device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor negative pressurization. The "ball in the wall" or similar apparatus are not acceptable.

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Matrix of Precautions for Construction, Renovation and Operations

	12. Contain all trash and debris in the work area. 13. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 14. Worker clothing must be clean and free of visible dust before leaving the work area. HEPA vacuuming of clothing or use of cover suites is acceptable. 15. Workers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be immediately changed. 16. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 17. Consider collection of particulate data during work to monitor and ensure that contaminates do not enter the occupied spaces. Routine collection of particulate samples may be used to verify HEPA filtration efficiencies.
Class V	1. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above. 2. All (plastic or hard) barrier construction activities must be completed in a manner that prevents dust release. Plastic barriers must be effectively affixed to ground and ceiling and secure from movement or damage. Apply tape that will not leave a residue to seal gaps between barriers, ceiling or floor. 3. Seal all penetrations in containment barriers, anteroom barriers, including floors and ceiling using approved materials (UL schedule firestop if applicable for barrier type). 4. Construct anteroom large enough for equipment staging, cart cleaning, workers. The anteroom must be constructed adjacent to entrance of construction work area. 5. Personnel will be required to wear coveralls at all times during Class V work activities. Coveralls must be removed before leaving the anteroom. 6. Remove or isolate return air diffusers to avoid dust entering the HVAC system. 7. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. 8. Negative airflow pattern must be maintained from the entry point to the anteroom and into the construction area. The airflow must cascade from outside to inside the construction area. The entire construction area must remain negatively pressurized. 9. Maintain negative pressurization of the entire workspace using HEPA exhaust air systems directed outdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows does not require HEPA-filtered air. 10. If exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA filtration must be verified by particulate measurement as no less than 99.97% efficiency and must not alter or change airflow/pressure relationships in other areas. 11. Exhaust into shared or recirculating HVAC systems, or other shared exhaust systems (bathroom exhaust) is not acceptable. 12. Install device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor negative pressurization. The "ball in the wall" or similar apparatus are not acceptable. 13. Contain all trash and debris in the work area. 14. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 15. Worker clothing must be clean and free of visible dust before leaving the work area anteroom. 16. Workers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be immediately changed. 17. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 18. Consider collection of particulate data during work to monitor and ensure that contaminates do not enter the occupied spaces. Routine collection of particulate samples may be used to verify HEPA filtration efficiencies.

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Matrix of Precautions for Construction, Renovation and Operations

Table 6 - Minimum Required Infection Control Precautions | Upon Completion of Work Activity

Class of Precautions	Mitigation Activities (Performed upon Completion of Work Activity)
Classes I, II and III	Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. HVAC Systems: 1. Remove isolation of HVAC system in areas where work is being performed. Verify that HVAC systems are clean and operational. 2. Verify the HVAC systems meet original airflow and air exchange design specifications.
Classes III, IV and V	Class III (Type C Activities only), IV, and V precautions require inspection and documentation for downgraded ICRA precautions. Construction areas must be inspected by an infection preventionist or designee and engineering representative for discontinuation or downgrading of ICRA precautions. Work Area Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. Removal of Critical Barriers: 1. Critical barriers must remain in place during all work involving drywall removal, creation of dust and activities beyond simple touch-up work. The barrier may NOT be removed until a work area cleaning has been performed. 2. All (plastic or hard) barrier removal activities must be completed in a manner that prevents dust release. Use the following precautions when removing hard barriers: i. Carefully remove screws and painter tape. ii. If dust will be generated during screw removal, use hand-held HEPA vacuum. iii. Drywall cutting is prohibited during removal process. iv. Clean all stud tracks with HEPA vacuum before removing outer hard barrier. v. Use a plastic barrier to enclose area if dust could be generated. Negative Air Requirements: 1. The use of negative air must be designed to remove contaminates from the work area. 2. Negative air devices must remain operational at all times and in place for a period after completion of dust creating activities to remove contaminants from the work area and before removal of critical barriers. HVAC systems: 1. Upon removal of critical barriers, remove isolation of HVAC system in areas where work is being performed. 2. Verify that HVAC systems are clean and operational. 3. Verify the HVAC systems meets original airflow and air exchange design specifications.

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

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
ICRA CLASSIFICATION PROCESS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	568-21-701
			BUILDING NUMBER: GEN INFO
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	DRAWING NUMBER
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: Author	00-GI-004

VA FORM 08 - 6231

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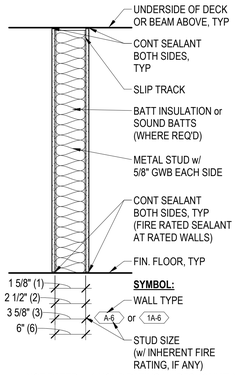
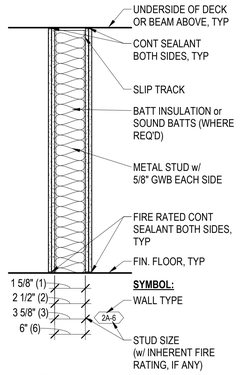
VERTICAL ASSEMBLIES



NOT-RATED or 1-HOUR RATING **UL DES 465**(MTL)



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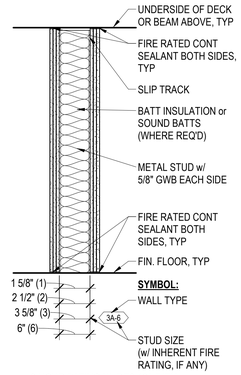
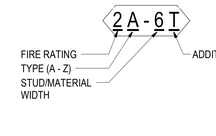


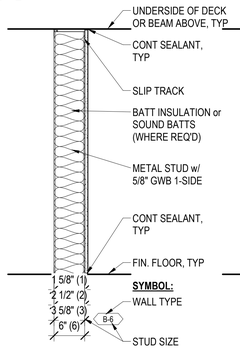
3-HOUR RATING **UL DES 465** (MTL)

A A SERIES PARTITION (GWB BOTH SIDES)

WALL TYPE TAG LEGEND



EXAMPLE: 2A-6T = 2-HOUR FIRE RATING (PER U.L. DESCRIPTION)
TYPE 'A' WALL
WITH 6" STUDS
TILE BACKER BOARD (T)



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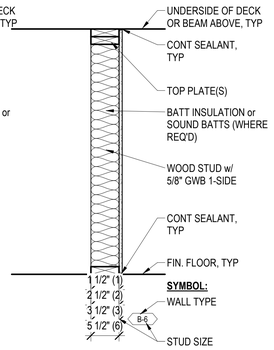

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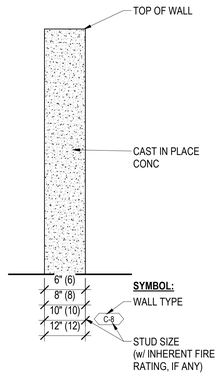
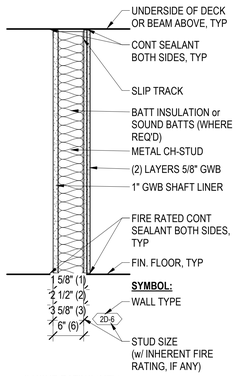
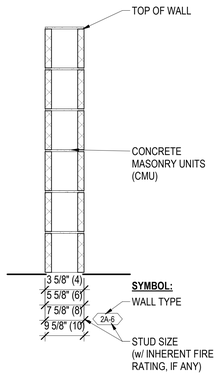


C C SERIES PARTITION (CONC)



2-HOUR RATING (MTL)

D D SERIES PARTITION (SHAFT)



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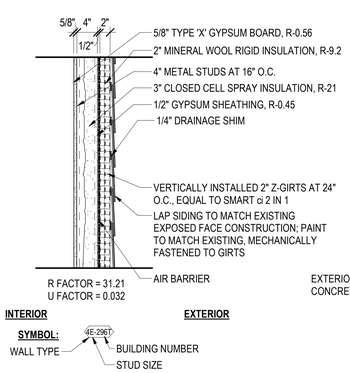

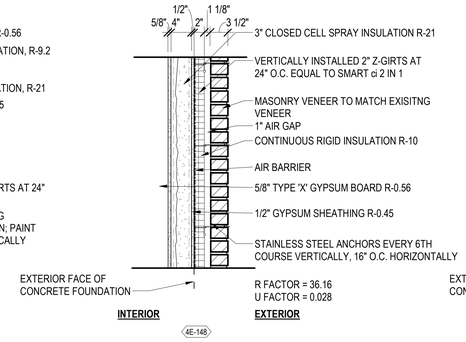

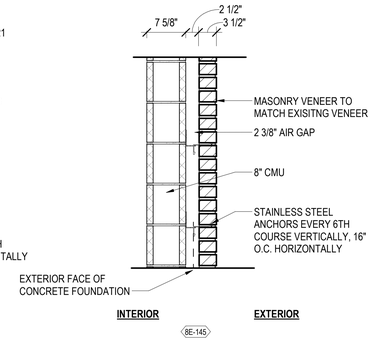

E E SERIES PARTITION

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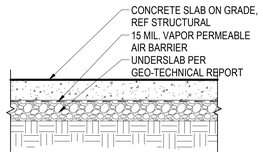

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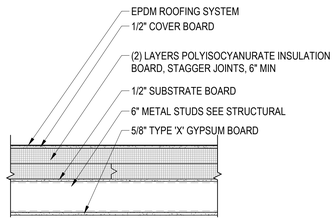

R1 ROOF ASSEMBLY

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STATE OF MONTANA · BILLINGS · ERIC RICHARD MELDE · 49394 · MONTANA · LICENSED ARCHITECT

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: PROJECT ASSEMBLY TYPES	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
			BUILDING NUMBER: GEN INFO
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	DRAWING NUMBER: 00-GI-005
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: JPR	

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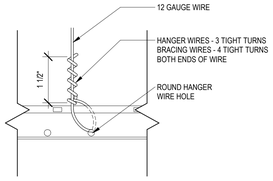
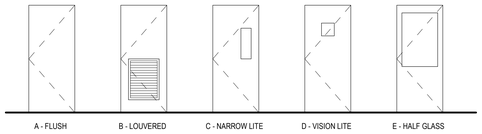
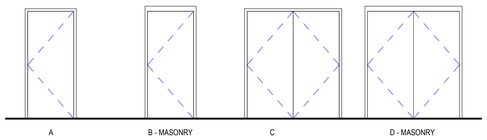


1 TYPICAL HANGER WIRE DETAIL

6" = 1'-0"



DOOR PANEL TYPE ELEVATIONS



DOOR FRAME TYPE ELEVATIONS

DOOR SCHEDULE

BUILDING NUMBER	DOOR NUMBER	DIMENSIONS WIDTH	DIMENSIONS HEIGHT	DIMENSIONS THICKNESS	DOOR TYPE	DOOR PANEL TYPE	DOOR MATERIAL	DOOR FINISH	DOOR PAIR	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HARDWARE	FIRE RATING	COMMENTS
Bldg 53	53-TCB1.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 88	88-B102A.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 89	89-201.0	3' - 0"	8' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	002		1
Bldg 90	90-109A.0	3' - 0"	7' - 6"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 113	113-169.0	3' - 0"	7' - 6"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 113	113-192.0	3' - 0"	7' - 6"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	003		1
Bldg 113	113-B01.0	3' - 0"	7' - 6"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 145	145-122B.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	002		1
Bldg 145	145-129.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	002		CARD READER
Bldg 145	145-132.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001	45	1
Bldg 145	145-132.2	6' - 0"	9' - 0"	1 3/4"	A	FLUSH	HM	PAINT	Yes	B	HM	PAINT	004		1, 2, 4
Bldg 145	145-132A.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	005		3
Bldg 145	145-137A.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	005		3
Bldg 145	145-229A.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	002		1
Bldg 145	145-329.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	002		1
Bldg 146	146-108.0	3' - 0"	7' - 6"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 148	148-A114A.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 148	148-C106A.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 148	148-C106B.1	3' - 0"	7' - 0"	1 3/4"	E	HALF GLASS	HM	PAINT		A	HM	PAINT	005		
Bldg 148	148-C108.0	3' - 0"	7' - 0"	1 3/4"	E	FLUSH	HM	PAINT		A	HM	PAINT	005		
Bldg 148	148-F108.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001		1
Bldg 359	359-100A.0	2' - 10"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001.01		1, 2
Bldg T171	T171-101A.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	006		5
Bldg T171	T171-101B.0	3' - 0"	7' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	003		1
Bldg T296	T296-104.0	3' - 0"	8' - 0"	1 3/4"	A	FLUSH	HM	PAINT		A	HM	PAINT	001.01		1, 2, 4

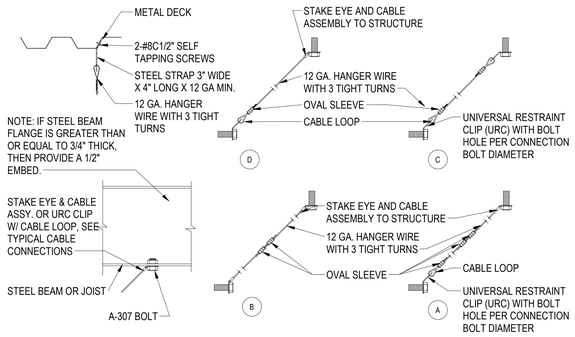
DOOR NUMBERING MARK DEFINITION

145 - 129.0

- 145 — INDICATES BUILDING NUMBER
- 145 — INDICATES ROOM NUMBER
- 129.0 — INDICATES DOOR DESIGNATION IN ROOM

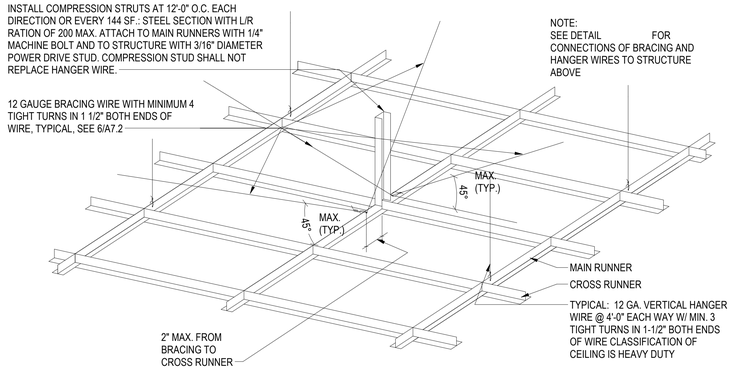
DOOR SCHEDULE COMMENT NOTES:

1. CARD READER.
2. PROVIDE THRESHOLD SET ON MASTIC FULL LENGTH OF DOOR, SEE HARDWARE GROUPS FOR TYPE.
3. 3/4" DOOR UNDERCUT
4. THERMALLY BROKEN DOOR FRAME
5. REUSE EXISTING HARDWARE IN NEW DOOR



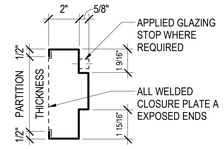
11 SEISMIC HANGER BRACING DETAIL

1 1/2" = 1'-0"



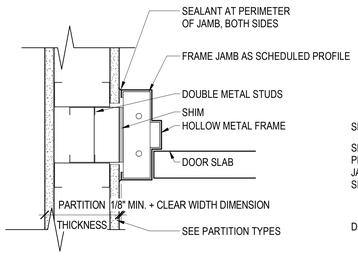
6 TYPICAL CEILING ATTACHMENT DETAIL

1 1/2" = 1'-0"



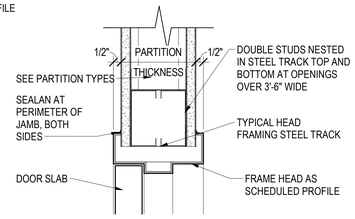
7 FRAME PROFILE - TYPICAL FRAME

3" = 1'-0"



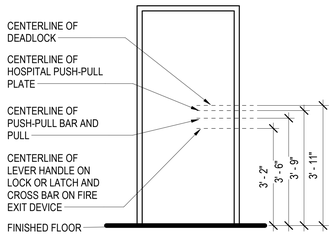
8 TYPICAL DETAIL FLUSH JAMB

3" = 1'-0"



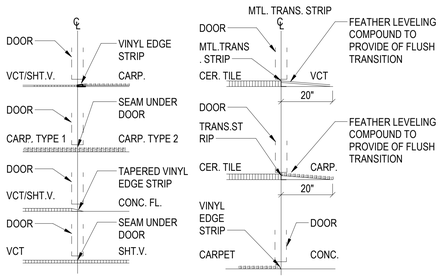
9 TYPICAL HEAD DETAIL

3" = 1'-0"



10 TYPICAL HARDWARE MOUNTING

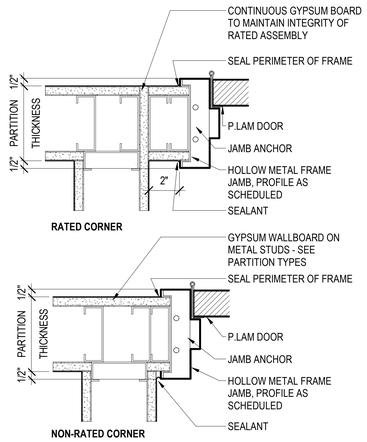
1/2" = 1'-0"



NOTE: CENTER SEAMS AND/OR VINYL EDGE STRIPS UNDER DOOR UNLESS OTHERWISE NOTED.

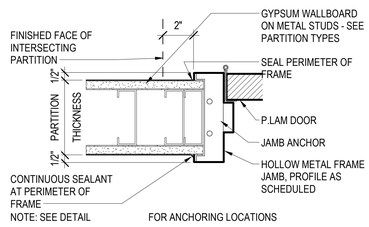
2 TRANSITION DETAILS

3/16" = 1'-0"



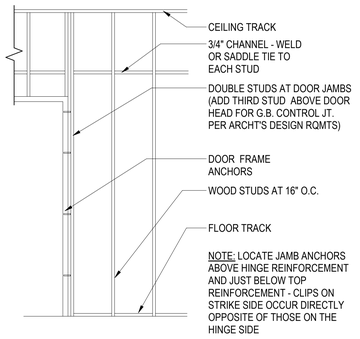
3 TYPICAL FLUSH JAMB AT CORNER

3" = 1'-0"

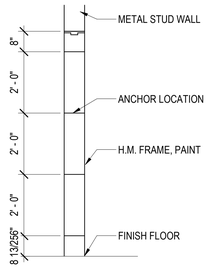


4 TYPICAL JAMB DETAIL AT GYPSUM BOARD

3" = 1'-0"



HOLLOW METAL FRAME ELEVATION



METAL STUD ANCHOR SECTION

5 DOOR ANCHORS

1/2" = 1'-0"

Revisions:	Date:

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STATE OF MONTANA — BILLINGS — ERIC ERICKSON HELGE — 2499 — MONTANA — LICENSED ARCHITECT

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
DOOR SCHEDULE, TYPICAL CEILING AND DOOR DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: GEN INFO
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: JPR	DRAWING NUMBER: 00-GI-006

VA FORM 08 - 6231

BIM 360://21112_VA Medical Center - Ft Meade SD/21112_General_r20.rvt

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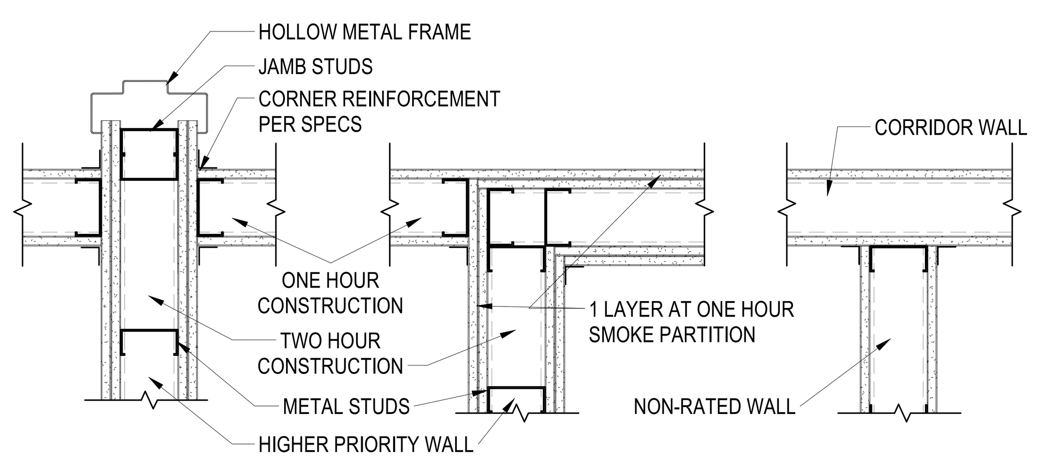
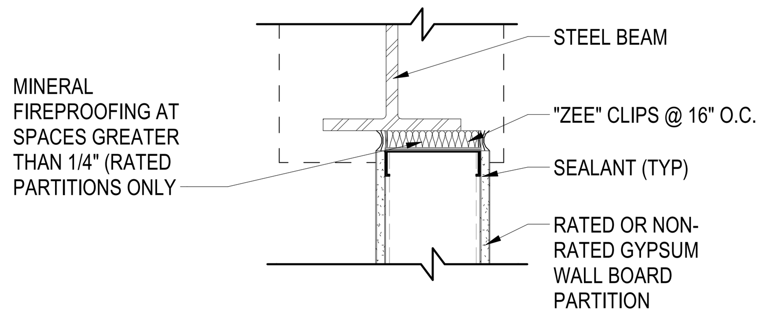
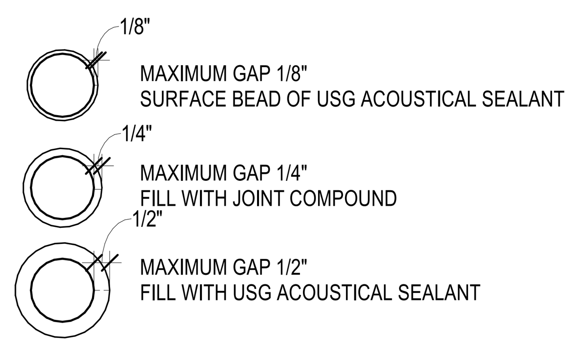


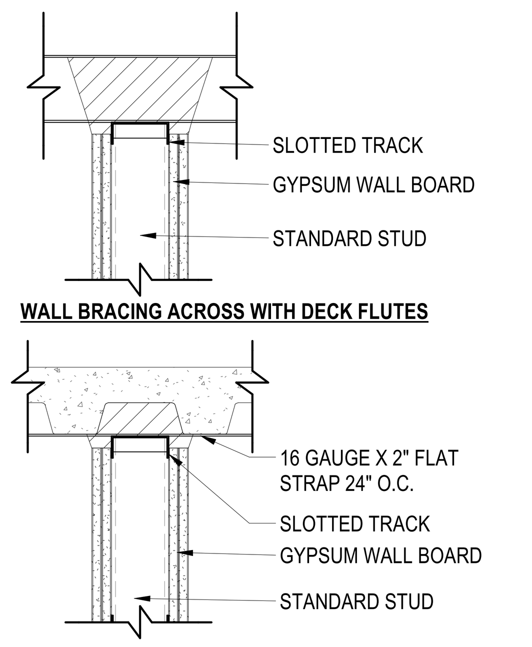
5 INTERSECTION OF RATED WALLS
1 1/2" = 1'-0"



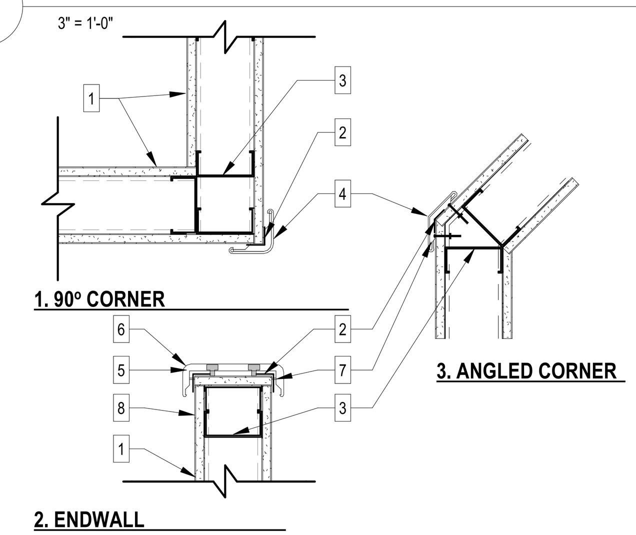
4 PARTITION HEAD DETAIL
1 1/2" = 1'-0"



9 PARTITIONS - PENETRATIONS
3" = 1'-0"

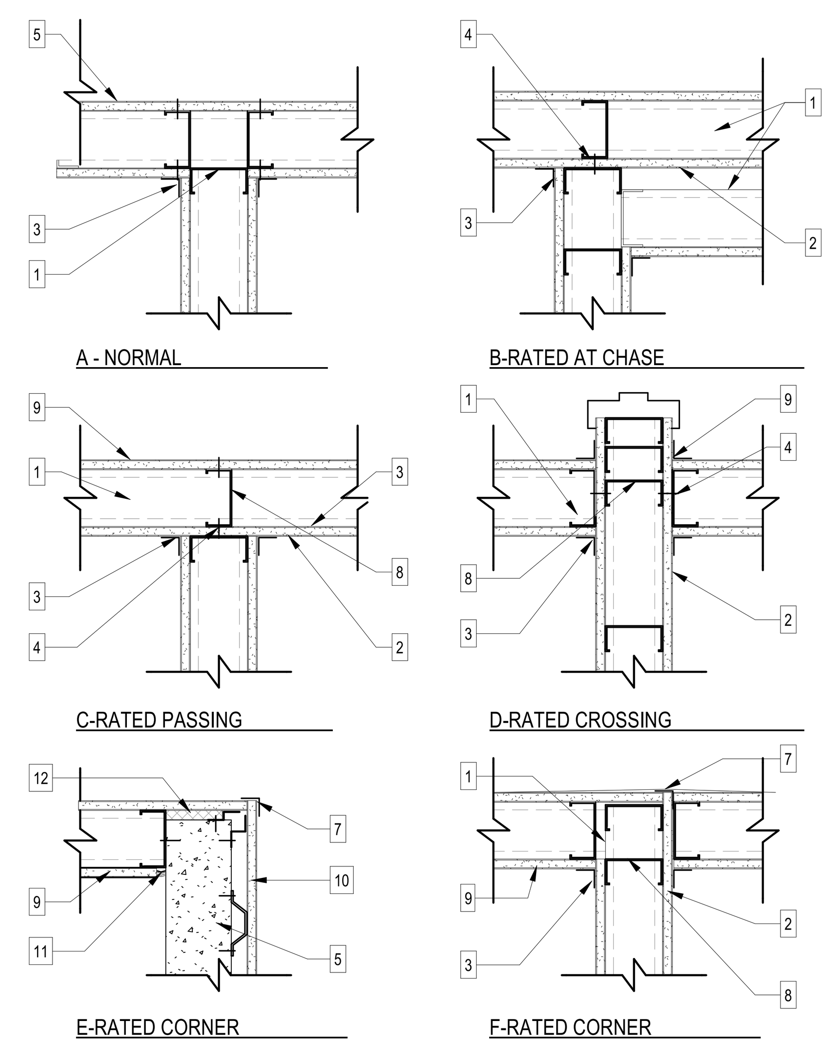


3 WALL BRACING - CROSS DECKING
1 1/2" = 1'-0"



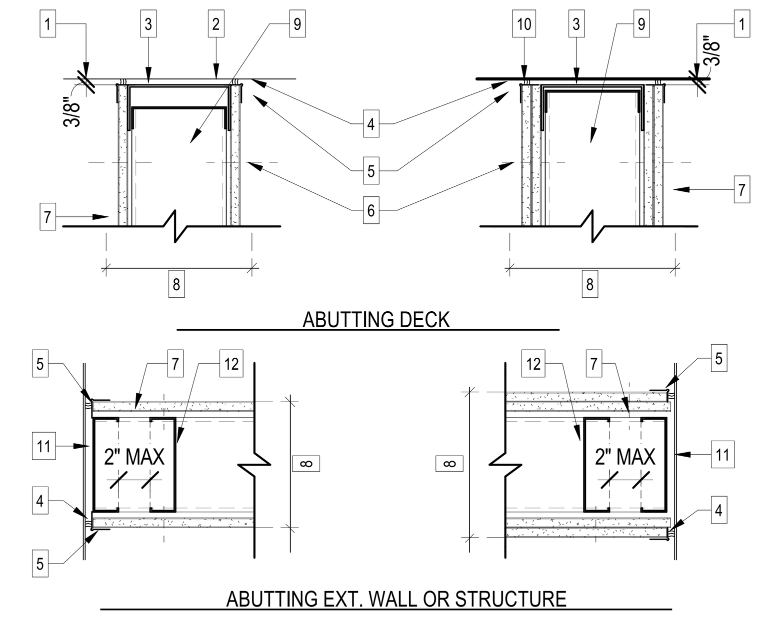
1. SCHEDULED PARTITION TYPE, SEE PLAN
2. PROVIDE METAL CORNER BEAD TO MAINTAIN ASSEMBLY RATING PER U.L. REQUIREMENTS (RATED ASSEMBLIES ONLY)
3. METAL STUD FRAMING.
4. SURFACE MOUNTED CORNER GUARD WITH ONE PIECE HIGH IMPACT PLASTIC COVER, CONTINUOUS FROM TOP OF BASE FINISH TO CEILING.
5. SPONGE NEOPRENE PAD
6. STOCK ENDCAP COVER.
7. CONTINUOUS ALUMINUM RETAINER MECHANICALLY FASTENED.
8. INTEGRAL CASING BEAD - FINISH WITH JOINT COMPOUND.

8 CORNER GUARDS
1 1/2" = 1'-0"



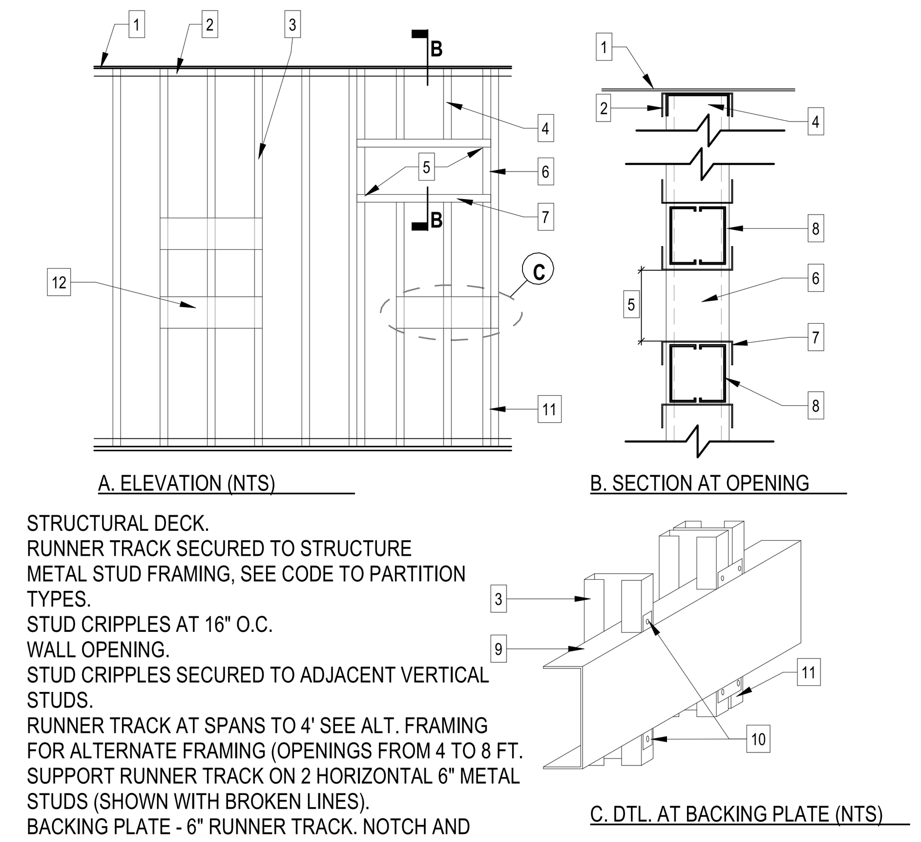
1. STUD AND TRACK - CONTINUOUS AT PARTITION HEAD AND BASE.
2. GYPSUM WALL BOARD - CONTINUE UNINTERUPTED THROUGH INTERSECTION TO MAINTAIN FIRE RATING.
3. CORNER REINFORCEMENT PER SPECIFICATIONS - TAPE AND FINISH.
4. AT ABUTTING INTERSECTIONS SECURE STUDS TO HEAD AND FLOOR TRACK AND TO ABUTTING PARTITION FRAMING.
5. RATED MASONRY PARTITION (NEW/EXISTING.)
6. SEE CODE TO PARTITION TYPE FOR STUD SIZE AND SPACING.
7. CORNER BEAD REQUIRED AT ALL OUTSIDE CORNERS. PROVIDE AT ALL RATED PARTITION CORNERS.
8. LOCATE A WALL STUD AT THIS LOCATION AT ALL PARTITION INTERSECTIONS REGARDLESS OF NORMAL STUD SPACING.
9. FIRE RATED PARTITION
10. GYPSUM WALL BOARD ON METAL FURRING.
11. FIRE SAFING SEALANT
12. FIRE SAFING INSULATION BOARD

11 PARTITION INTERSECTION
1 1/2" = 1'-0"



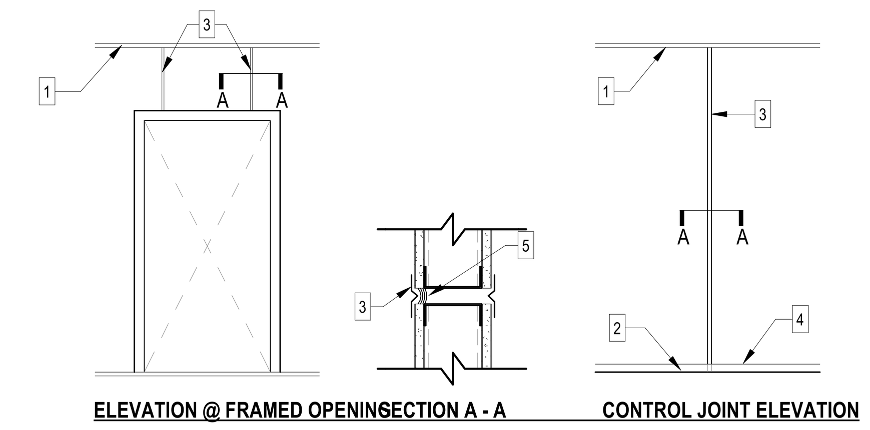
1. PERIMETER RELIEF JOINT. HOLD FACE LAYER GYPSUM BOARD, 3/8" MINIMUM BELOW DECK.
2. UNDERSIDE OF STRUCTURAL DECK OR MEMBER.
3. PARTITION DEFLECTION HEAD TRACK. SECURE TO ABUTTING SURFACE.
4. SOUND SEAL MASTIC TO CLOSE JOINT.
5. CASING BEAD REUIRED AT ABUTTING DISSIMILAR MATERIAL.
6. TO ALLOW FOR DECK MOVEMENT, DO NOT SECURE GYPSUM BOARD TO HEAD TRACK.
7. FACE LAYER OF PARTITION HOLD 3/8" FROM ABUTTING DISSIMILAR MATERIAL OR STRUCTURE.
8. SCHEDULED PARTITION. SEE PLANS AND CODE TO PARTITION TYPES FOR DESCRIPTION.
9. VERTICAL STUD - HOLD TOP OF STUD 3/8" BELOW TOP OF HEAD TRACK. ALLOW FOR VERTICAL MOVEMENT WITH FASTENING METHODS PER SPECIFICATION.
10. CLOSE JOINT WITH FIRE-SAFING SEALANT RATED PARTITIONS.
11. ABUTTING DISSIMILAR MATERIAL OR STRUCTURAL MEMBER. ISOLATE PARTITIONS FROM COLUMN WRAPS.
12. STUD REQUIRED REGARDLESS OF NORMAL SPACING.

14 GYP PARTITION - PERIMETER RELIEF
1 1/2" = 1'-0"



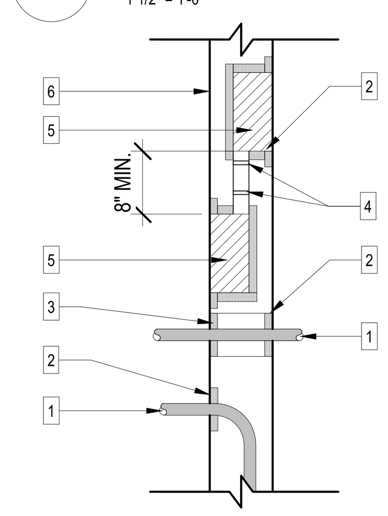
1. STRUCTURAL DECK.
2. RUNNER TRACK SECURED TO STRUCTURE
3. METAL STUD FRAMING, SEE CODE TO PARTITION TYPES.
4. STUD CRIPPLES AT 16" O.C.
5. WALL OPENING.
6. STUD CRIPPLES SECURED TO ADJACENT VERTICAL STUDS.
7. RUNNER TRACK AT SPANS TO 4' SEE ALT. FRAMING FOR ALTERNATE FRAMING (OPENINGS FROM 4 TO 8 FT. SUPPORT RUNNER TRACK ON 2 HORIZONTAL 6" METAL STUDS (SHOWN WITH BROKEN LINES).
8. BACKING PLATE - 6" RUNNER TRACK. NOTCH AND OPENING FLANGES AS SHOWN AT VERTICAL FRAMING MEMBERS.
9. SCREW ATTACH AT EACH STUD.
10. DOUBLE STUDS AT ALL FRAMING OPENINGS MORE THAN 24" WIDE TO EXTEND FROM FLOOR LINE TO BOTTOM OF METAL DECK AT INTERIOR PARTITIONS AND FLOOR LINE TO FLOOR LINE MINIMUM AT EXTERIOR WALLS
11. PROVIDE 12 GA. BACKING PLATE WHERE SPECIFIED.

16 WALL FRAMING AT OPENINGS
1 1/2" = 1'-0"



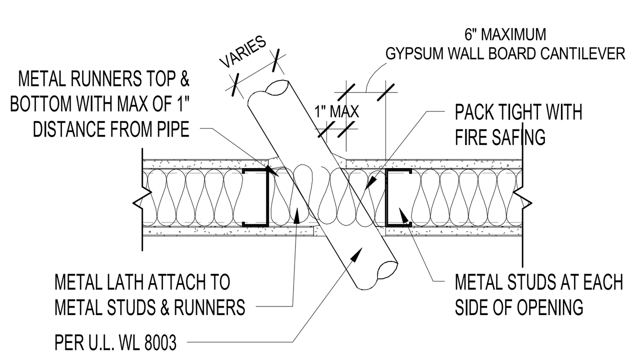
1. SCHEDULED CEILING FINISH AND HEIGHT.
2. SCHEDULED FLOOR FINISH.
3. DRYWALL CONTROL JOINT.
4. SCHEDULED BASE FINISH. INSTALL CONTINUOUS ACROSS CONTROL JOINTS.
5. SOUND SEAL MASTIC TO CLOSE GAP BETWEEN GYPSUM BOARD IN ONE FACE OF PARTITION BEHIND CONTROL JOINT.

13 GYP BD PARTITION CONTROL JOINTS
1 1/2" = 1'-0"

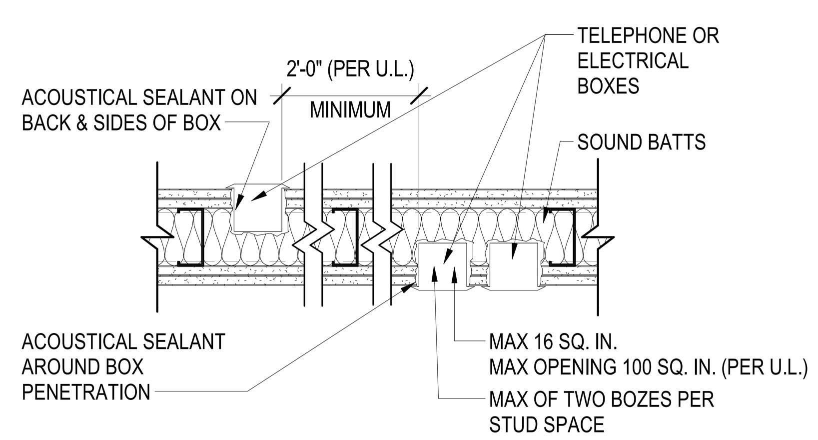


1. PENETRATING PIPE, CONDUIT, ECT.
2. CLOSER PERIMETER JOINT AROUND PENETRATING WORK. USE SOUND SEAL MASTIC AT NON-RATED PARTITIONS. FOR FIRE-SAFING REQUIREMENTS, SEE SPECIFICATIONS.
3. PIPE SLEEVE. CLOSE PERIMETER JOINT WITH DRYWALL OPENING COMPOUND AT DRYWALL PARTITION, MORTAR AT MASONRY PARTITIONS.
4. OFFSET BACK-TO-BACK BOXES. CONNECT WITH CONDUIT. PLUG CONDUIT AFTER WIRING IS PULLED THROUGH. USE SOUND SEAL MASTIC.
5. WALL BOX FOR MECHANICAL OR ELECTRICAL EQUIPMENT. COAT OUTSIDE SURFACES TO CLOSE JOINTS AND GAPS AND SEAL HOLDS. USE SOUND SEAL MASTIC.
6. PARTITION FACE FOR MATERIAL AND THICKNESS. SEE PARTITION TYPE REFERENCES.

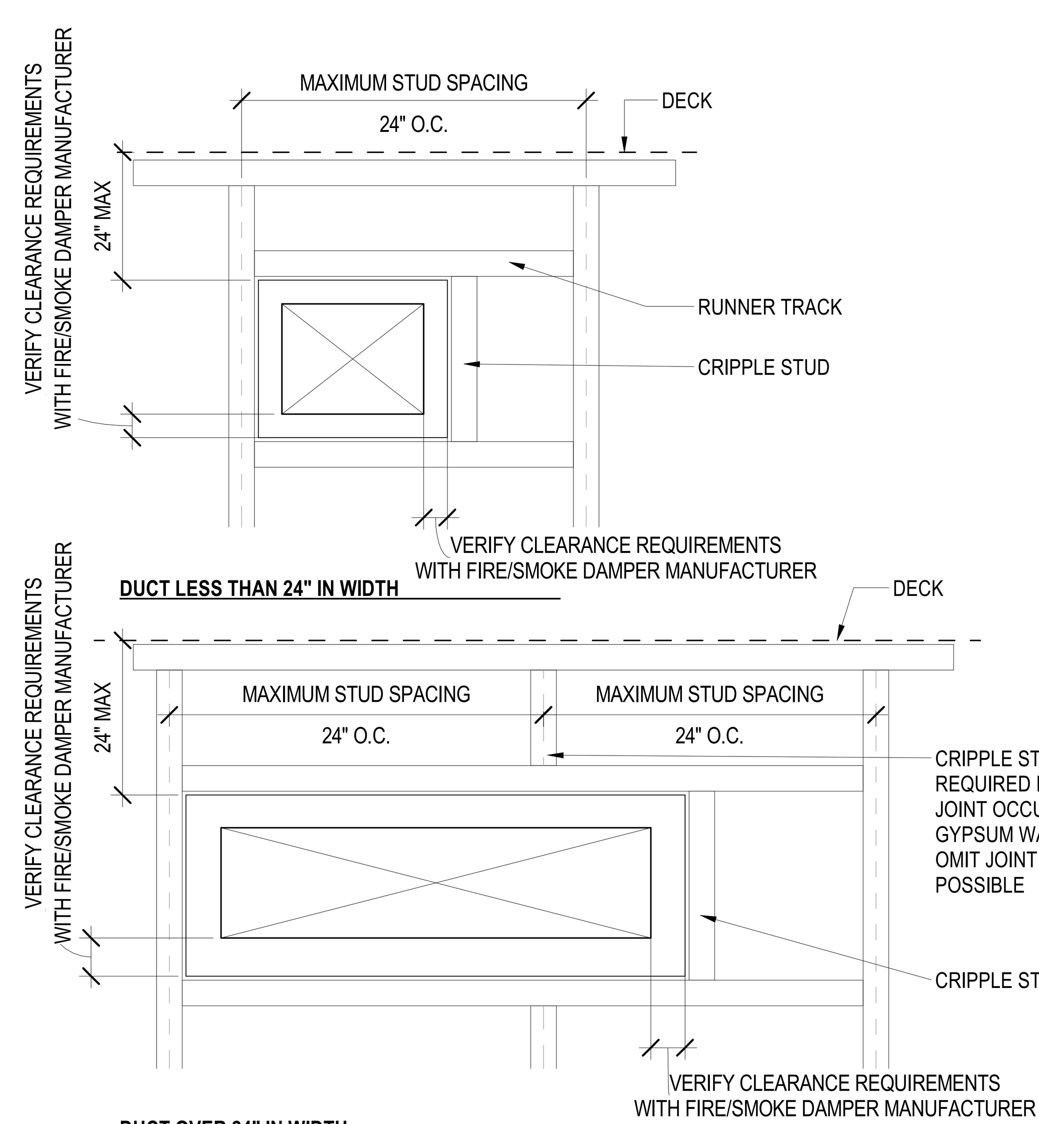
15 PART PENETRATION - ACOUSTIC SEALANT
1 1/2" = 1'-0"



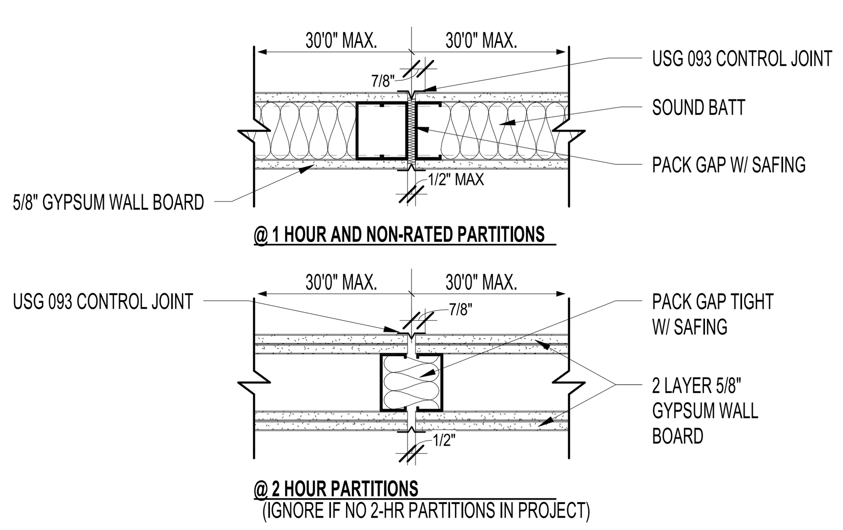
2 ANGLED PIPE PENETRATION
1 1/2" = 1'-0"



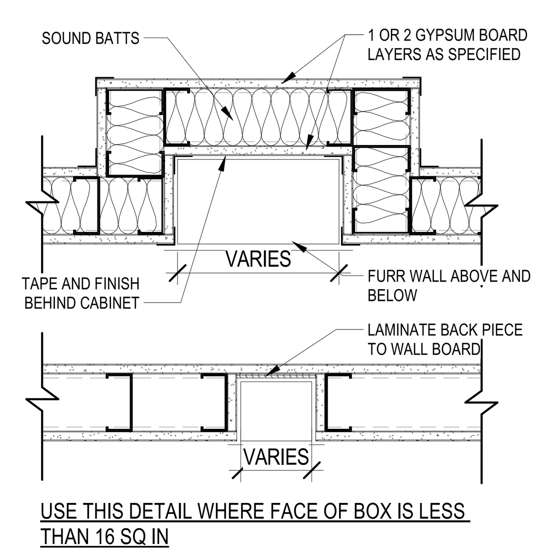
7 ELEC BOXES IN RATED & ACOUSTICAL WALLS
1 1/2" = 1'-0"



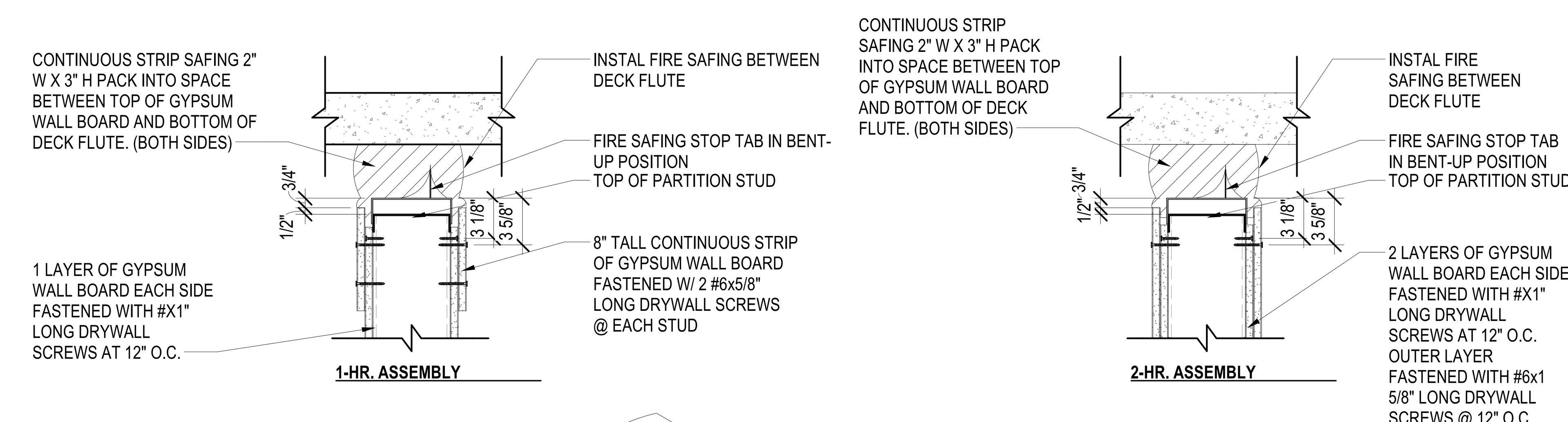
10 DUCT PENETRATION
1 1/2" = 1'-0"

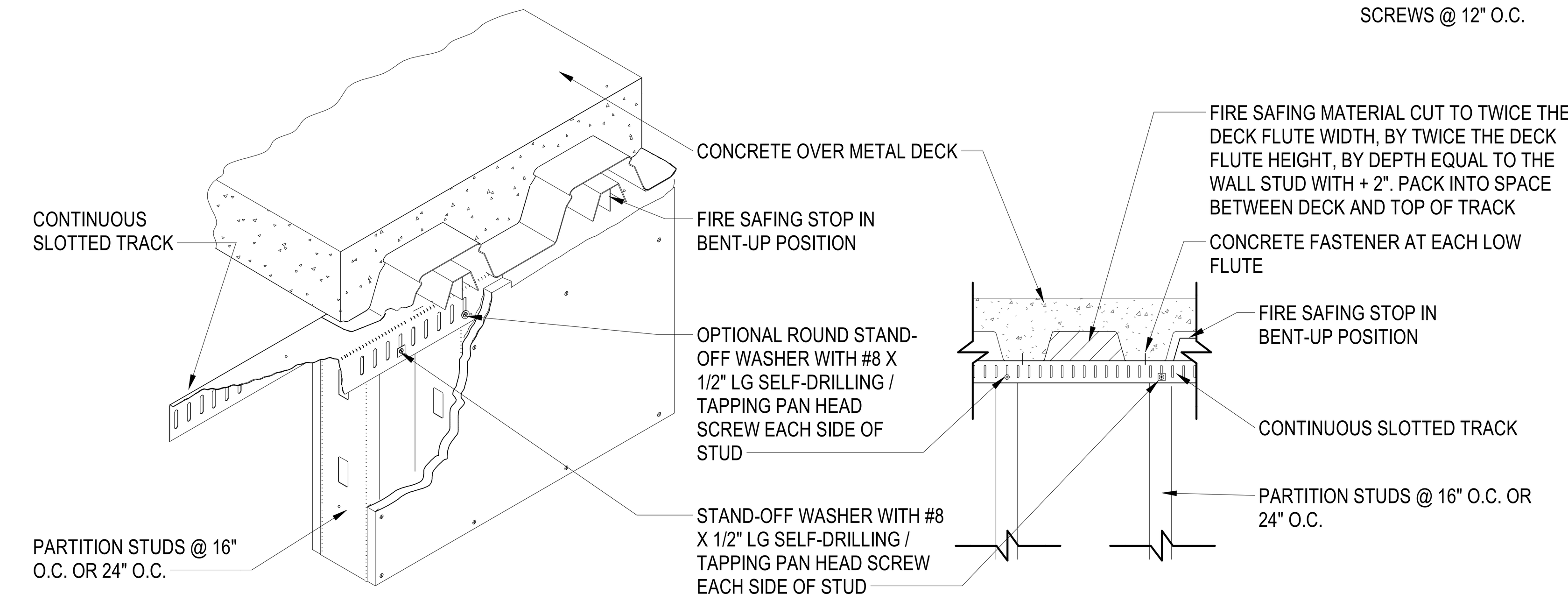


1 TYP PARTITION CONTROL JOINTS
1 1/2" = 1'-0"



6 RECESSED WALL CAB IN RATED WALL
1 1/2" = 1'-0"





12 TYP MTL STUD PARTITION HEAD DETAIL
1 1/2" = 1'-0"

Revisions:	Date:

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

DRAWING TITLE: PARTITION DETAILS
APPROVED: Project Director
PHASE: 100% CONSTRUCTION DOCUMENTS
FLS: FULLY SPRINKLERED
PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES
LOCATION: FORT MEADE, SOUTH DAKOTA
ISSUE DATE: 04/15/2022
CHECKED BY: TMP
DRAWN BY: JPR
PROJECT NUMBER: 568-21-701
BUILDING NUMBER: GEN INFO
DRAWING NUMBER: 00-GI-007

TELECOMMUNICATION ROOM NOTES

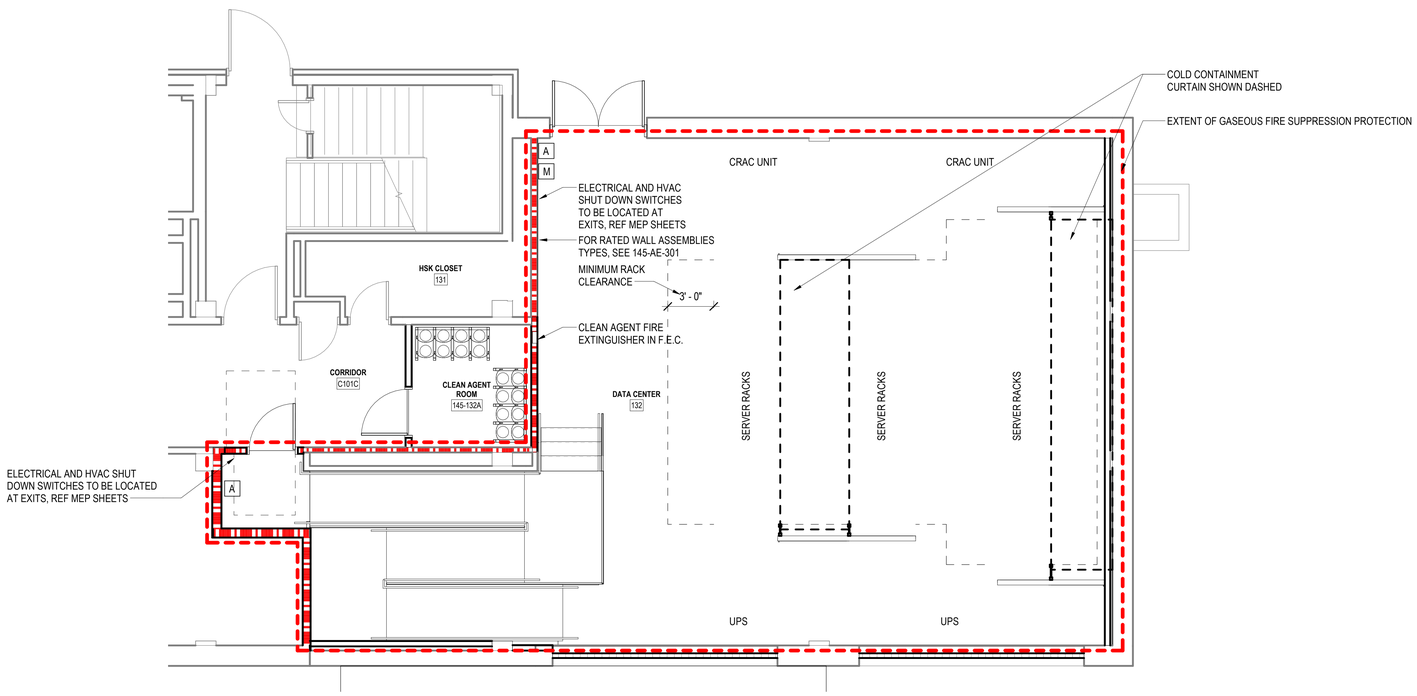
1. TELECOMMUNICATION ROOMS (TR) PER VA FIRE PROTECTION DESIGN MANUAL EIGHTH EDITION-JUNE 1, 2021 PROVIDED WITH WET PIPE SPRINKLERS PROTECTION AS PART OF THE EXISTING BUILDING SPRINKLER SYSTEM.
2. IN BUILDINGS WITHOUT SPINKLER PROTECTION, TELECOMMUNICATION ROOMS WILL NOT BE PROVIDED WITH ANY ADDITIONAL FIRE PROTECTION SUCH AS FIRE RATED WALLS, SMOKE DETECTION, OR A GASEOUS SUPPRESSION SYSTEM.
3. IN AREAS WITH A CEILING HEIGHT CHANGES, SPRINKLERS WILL BE RELOCATED TO THE NEW CEILING HEIGHT IN ACCORDANCE WITH NFPA 13.
4. ALL TELECOMMUNICATION ROOMS WILL BE PROVIDED A CARBON DIOXIDE OR CLEAN AGENT FIRE EXTINGUISHER OUTSIDE OF THE TR AND WITHIN 75 FEET.
5. ALL TELECOMMUNICATION ROOMS TO BE PROTECTED AS LIGHT HAZARD AS DEFINED BY NFPA 13.
6. ALL SPRINKLERS FOR TELECOMMUNCATION ROOMS TO BE QUICK OR STANDARD RESPONSE HEADS AS PERMITTED BY THE VA DESIGN MANUAL. IT IS NOT PERMISSIBLE TO MIX STANDARD AND QUICK RESPONSE HEADS WITHIN THE SAME COMPARTMENT.

LIFE SAFETY LEGEND

- 1-HOUR FIRE WALL
- 2-HOUR FIRE WALL
- 1-HOUR FIRE/SMOKE WALL
- SMOKE RESISTIVE HAZARDOUS AREA

FIRE PROTECTION LEGEND

- CLEAN AGENT CYLINDERS
- M — CLEAN AGENT MANUAL PULL STATION
- A — CLEAN AGENT ABORT SWITCH
- F.E.C. — CLEAN AGENT FIRE EXTINGUISHER MINIMUM 2A:10BC IN CABINET MOUNTED AT 48" AFF TO TOP OF CABINET



1 145 MCR FIRE PROTECTION PLAN

1/4" = 1'-0"

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

NORTH

FIRE PROTECTION NOTES

1. THE PLENUM SPACE WITHIN THE MCR IS TO BE FREE OF ALL COMBUSTIBLE MATERIAL OUTSIDE OF:
   - A. CABLES LISTED FOR PLENUM USE
   - B. LISTED PLENUM COMMUNICATIONS RACEWAYS
   - C. LISTED EQUIPMENT POWER CORDS UP TO 4.6 M (15 FT) EACH
   - D. CABLES INSTALLED IN METALLIC RACEWAYS
   - E. INSTALLATIONS IN COMPLIANCE WITH SECTION 300.22(C) OF NFPA 70
   - F. LISTED COOLING HOSES
2. TELECOMMUNICATION SPACES (TS) WILL BE PROVIDED WITH WET PIPE SPRINKLER PROTECTION AND A CLEAN AGENT GASEOUS SUPPRESSION SYSTEM.
3. ALL FIRE EXTINGUISHERS INSIDE DATA CENTER TO BE CLEAN AGENT EXTINGUISHER LOCATED IN A FIRE EXTINGUISHER CABINET.
4. SEE SHEETS 00-GI-000.1, 00-GI-000.2, AND 00-GI-000.3 FOR TEMPORARY FIRE & SMOKE PROTECTION NOTES

FIRE SPRINKLER NOTES

FIRE SPRINKLER NOTES

1. FIRE SPRINKLER SYSTEM SHALL COMPLY WITH THE FOLLOWING:

   NFPA 13 – 2022
   NFPA 101 – 2021
   VA FIRE PROTECTION DESIGN MANUAL, JUNE 1, 2021
2. SPRINKLER HEADS IN TELECOMMUNICATION SPACE TO MEET THE FOLLOWING CHARACTERISTICS:

   INTERMEDIATE TEMPERATURE
   STANDARD RESPONSE
   FUSIBLE LINK
   FM APPROVED
3. THE FIRE SPRINKLER SYSTEM PROTECTING THE TELECOMMUNICATION SPACE WILL BE VALVED SEPARATELY FROM OTHER SRINKELR SYSTEMS IN ACCORDANCE WITH NFPA 75.
4. SPRINKLER HEADS LOCATED INSIDE THE COLD AISLE CONTAINMENT AREA TO BE LOCATED SO THE COLD AISLE CONTAINMENT CURTAINS WILL NOT IMPACT THE SPRINKLER SPACING OF THE SPRINKLER SYSTEM.
5. THE TELECOMMUNICATION SPACE TO BE PROTECTED AS ORDINARY HAZARD AS DEFINED BY NFPA 13.
6. SPRINKLERS FOR THE TELECOMMUNICATION SPACE (ROOM 132) TO BE ZONED SEPARATELY FROM REMAINDER OF THE BUILDING. ZONE CONTROL VALVE TO BE LOCATED OUTSIDE OF THE SPACE AND ACCESSIBLE.

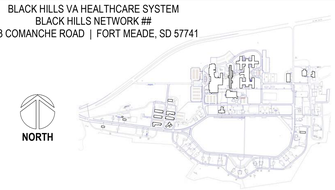
CLEANING AGENT SYSTEM NOTES

1. CLEAN AGENT SUPPRESSSION SYSTEM SHALL COMPLY WITH THE FOLLOWING:

   NFPA 2001 – 2022
   NFPA 101 - 2021
   VA FIRE PROTECTION DESIGN MANUAL, JUNE 1, 2021
2. THE CLEAN AGENT FIRE EXTINGUISHING SYSTEM WILL BE A FIXED TOTAL FLOODING TYPE UTILIZING CLEAN AGENT DESIGNED TO PROVIDE A UNIFORM CONCENTRATION THROUGHOUT THE PROTECTED SPACES IN ACCORDANCE
3. THE DESIGN CONCENTRATION WITHIN ANY PROTECTED SPACE SHALL NOT EXCEED BY VOLUME THE NO OBSERVABLE ADVERSE EFFECTS LEVEL (NOAEL).
4. THE CLEAN AGENT SHALL HAVE A GLOBAL WARMING POTENTIAL (GWP) OF LESS THAN 4000.
5. NUMBER AND LOCATION OF CLEAN AGENT SYSTEM DISCHARGE NOZZLES TO BE DETERMINED BY CLEAN AGENT SYSTEM CONTRACTOR IN LINE WITH CLEAN AGENT MANUFACTURER LISTING REQUIREMENTS.
6. THE CLEAN AGENT SYSTEM WILL BE PROVIDED TO PROTECT ABOVE AND BELOW THE RAISED FLOOR.
7. THE COLD AISLE CONTAINMENT WILL UTILIZE A LISTED DROP OUT CEILING THAT DOES NOT COMPLY WITH NFPA 75 SECTION 6.7.10.1. THEREFORE, CLEAN AGENT NOZZLES AND SMOKE DETECTION ARE REQUIRED WITHIN THE COLD AISLE CONTAINMENT.

PROJECT KEY PLAN

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



Revisions:	Date:

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STATE OF MONTANA — BILLINGS — ERIC ARIC ALLEN HELSTEN — 5299 — MONTANA — LICENSED ARCHITECT

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: FIRE PROTECTION NOTES	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: GEN INFO
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: LM	DRAWING NUMBER: 00-GI-008

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VA FORM 08 - 6231

GENERAL

1. THE FOLLOWING PROVISIONS ARE TO BE USED IN CONJUNCTION WITH VA SPECIAL PROVISIONS, VA STANDARD SPECIFICATIONS, AND ALL OTHER APPLICABLE JURISDICTIONS.
2. ANY REVISIONS TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE APPROPRIATE JURISDICTIONS.
3. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE PROJECT SITE AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO UNDERTAKING OF THE AFFECTED WORK.
4. ANY DISCREPANCIES IN THESE DRAWINGS, SPECIFICATIONS, NOTES, AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER, WHO SHALL CORRECT SUCH DISCREPANCIES IN WRITING AFTER THOROUGHLY REVIEWING ANY CHANGES. ANY WORK DONE BY THE CONTRACTOR AFTER THE DISCOVERY OF SUCH DISCREPANCIES SHALL BE DONE AT THE CONTRACTOR'S RISK. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK.
5. A PRE-CONSTRUCTION MEETING SHALL BE HELD AT THE VA FACILITIES WITH THE APPLICANT, CONTRACTOR, ENGINEER, AND ALL APPLICABLE INSPECTORS PRIOR TO BEGINNING WORK.

ADDITIONAL PERMITS

6. VA SPECIFIC PERMITS MAY BE REQUIRED FOR ON-SITE WORK INCLUDING ALL RETAINING WALLS, GRADING, AND EROSION CONTROL. ADHERENCE TO ALL CONDITIONS OF THESE PERMITS IS REQUIRED AS A PART OF THIS PLAN. COORDINATE WITH C.O.R.
7. VA SPECIFIC PERMITS MAY BE REQUIRED FOR SIDEWALK INSTALLATION AS WELL AS CURB AND GUTTER REMOVAL AND DRIVEWAY CONSTRUCTION WHEN CONSTRUCTED AT BUILDING PERMIT STAGE. COORDINATE WITH C.O.R.

UTILITIES

8. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON EXISTING RECORD DRAWINGS AND ARE NOT GUARANTEED TO BE ACCURATE, NOR ALL INCLUSIVE.
9. ALL UTILITIES MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF THE PROJECT REQUIRES ANY EXCAVATION, THE DEVELOPER/CONTRACTOR IS REQUIRED TO CALL THE UTILITY UNDERGROUND LOCATION CENTER AT 811 AT LEAST TWO DAYS BEFORE STARTING SUCH EXCAVATION.
10. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROTECT, IN PLACE, ALL UTILITIES AND/OR STRUCTURES WHETHER SHOWN OR NOT SHOWN ON THIS PLAN. PROVIDE FALSEWORK AS IS REQUIRED TO TEMPORARILY SUPPORT ALL MATERIAL. DAMAGE DUE TO THE CONTRACTORS OPERATIONS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
11. DO NOT CUT OR DAMAGE EXISTING UTILITIES, STRUCTURAL MEMBERS, OR BUILDING FOUNDATIONS. HAND EXCAVATE IN LOCATIONS WHERE EXISTING UTILITIES ARE SUBJECT TO DAMAGE.

EXCAVATION

12. IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR FEET OR MORE IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF STATE INDUSTRIAL SAFETY AND HEALTH ACT. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR ALL WORKER SAFETY, THE ENGINEER, NOR THE VA ASSUMES ANY RESPONSIBILITY.

PAVEMENT PREPARATION/RESTORATION

13. ADDITIONAL REMOVAL AND REPLACEMENT OF PAVEMENT MAY BE REQUIRED TO PROVIDE PROPER TRANSITION/CROWN AS DIRECTED BY INSPECTOR IN FIELD.
14. THE SUBGRADE COMPACTION SHALL BE TESTED BY A PROFESSIONAL GEOTECHNICAL CONSULTANT PRIOR TO PLACING THE BASE MATERIAL.
15. PAVEMENT RESTORATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH VA RESTORATION POLICY AND APPLICABLE STANDARD PLANS.
16. FINAL RESTORATION LIMITS SHALL BE DETERMINED IN THE FIELD BY INSPECTOR.

CONCRETE

17. CONCRETE PAVEMENT MIX DESIGN SHALL BE BASED ON STANDARD PLAN PD-01-PAVEMENT DESIGN STANDARDS.
18. COLD WEATHER CONCRETE WORK. THE FOLLOWING REQUIREMENTS FOR PLACING CONCRETE SHALL BE IN EFFECT FROM NOVEMBER 1 TO APRIL 1:
    a. THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO ANY CONCRETE PLACEMENT.
    b. WEATHER PERMITTING, ALL CONCRETE PLACEMENT SHALL BE COMPLETED NO LATER THAN 2:00 PM EACH DAY.
    c. WHERE FORMS HAVE BEEN PLACED AND THE SUBGRADE HAS BEEN SUBJECTED TO SEVERE FROST, NO CONCRETE SHALL BE PLACED UNTIL THE GROUND IS COMPLETELY THAWED. AT THAT TIME, THE FORMS SHALL BE ADJUSTED AND SUBGRADE REPAIRED AS DETERMINED BY THE ENGINEER.
19. THE SLUMP FOR STANDARD CONCRETE USED FOR SIDEWALKS SHALL NOT EXCEED FOUR INCHES +/- ONE INCH.
20. ALL SIDEWALKS AND CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN, 28 CFR, PART 35 AND AS SUPPLEMENTED BY THE PUBLIC WORKS RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).

EROSION CONTROL NOTES

21. WHEN CONSTRUCTION OPERATIONS ARE SUCH THAT DEBRIS FROM THE WORK IS DEPOSITED ON THE STREETS, THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY DEPOSITS OR DEBRIS WHICH MAY ACCUMULATE ON THE ROADWAY SURFACE. IF THE CONTRACTOR FAILS TO KEEP THE STREETS FREE FROM DEPOSITS AND DEBRIS RESULTING FROM THE WORK, THE CONTRACTOR SHALL, UPON ORDER OF THE INSPECTOR, PROVIDE FACILITIES FOR, AND REMOVE ALL CLAY, DIRT, OR OTHER DEPOSITS FROM THE TIRES OR BETWEEN WHEELS BEFORE TRUCKS OR OTHER EQUIPMENT WILL BE ALLOWED TO TRAVEL OVER PAVED STREETS. SHOULD THE CONTRACTOR FAIL OR REFUSE TO CLEAN THE STREETS IN QUESTION, OR THE TRUCKS OR EQUIPMENT IN QUESTION, JURISDICTION INSPECTOR MAY ORDER THE WORK SUSPENDED AT THE CONTRACTORS RISK UNTIL COMPLIANCE WITH THE CONTRACTORS OBLIGATIONS IS ASSURED, OR THE JURISDICTION INSPECTOR MAY ORDER THE STREETS IN QUESTION CLEANED BY OTHERS AND SUCH COSTS INCURRED IN ACHIEVING COMPLIANCE WITH THESE REQUIREMENTS, INCLUDING CLEANING OF THE STREETS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
22. THE CONTRACTOR SHALL PROTECT EXISTING DRAINAGE STRUCTURES USING ACCEPTABLE METHODS AND MATERIALS AS SHOWN ON THIS PLAN. IF THE METHODS AND MATERIALS AS SHOWN ON THS PLAN ARE NOT ADEQUATE, THE JURISDICTION INSPECTOR MAY REQUIRE ADDITIONAL/ALTERNATIVE METHODS FOR EROSION CONTROL AND/OR PROTECTION OF EXISTING DRAINAGE STRUCTURES. ADDITIONAL OR ALTERNATIVE METHODS SHALL BE SUBMITTED BY THE DESIGN ENGINEER AND ACCEPTED BY THE JURISDICTION INSPECTOR. ANY DAMAGE CAUSED TO THE JURISDICTION STORMWATER SYSTEM AS A RESULT OF THE WORK OUTLINED ON THIS PLAN SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. RESOLVING SAID DAMAGE MAY INCLUDE, BUT NOT BE LIMITED TO, THE CLEANING OF THE DRAINAGE SYSTEM IN QUESTION BY THE CONTRACTOR.
23. WATERING PROVISIONS WHEN APPLICABLE MUST BE IN PLACE TO PREVENT DUST FROM BECOMING AIR BORNE. VIOLATION OF THIS CONDITION WILL RESULT IN A STOP WORK ORDER UNTIL CORRECTED.
24. FILL THAT WILL SUPPORT A STREET SECTION OR OTHER STRUCTURES SHALL BE PLACED UNDER THE INSPECTION OF A STATE LICENSED GEOTECHNICAL ENGINEER. SOIL TO BE PLACED SHALL BE TESTED AND COMPACTED TO 95% OF ITS MAXIMUM DENSITY. ENGINEER SHALL DOCUMENT EXISTING SITE CONDITIONS, SOIL AND ITS PLACEMENT AND ALLOWABLE BEARING CAPACITY SUBMITTED. .
25. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS NOT REQUIRED FOR THIS PROJECT, AS THE CONSTRUCTION ACTIVITY WILL DISTURB LESS THAN AN ACRE OF LAND.

EROSION CONTROL MEASURES

26. MINIMUM EROSION CONTROL MEASURES SHALL INCLUDE:
    a. CONSTRUCTION ENTRANCE (WHEN APPLICABLE)
    b. PERIMETER EROSION/SEDIMENTATION CONTROL
    c. PROTECTION OF CATCH BASINS
    d. STABILIZATION OF EXPOSED SOILS
27. ALL EROSION CONTROL SHALL BE IN PLACE PRIOR TO CLEARING. THE CONTRACTOR SHALL CALL THE JURISDICTION INSPECTOR FOR INITIAL EROSION CONTROL INSPECTION PRIOR TO START OF WORK, AS DESCRIBED BELOW.
28. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES TO THE APPROVAL OF THE INSPECTOR.
29. CALL FOR INSPECTION UPON COMPLETION OF:
    a. STAKING OF CLEARING LIMITS
    b. INSTALLATION OF EROSION CONTROL AND PRIOR TO SITE GRADING
    c. PRIOR TO REMOVAL OF EROSION CONTROL DEVICES
30. ALL MATERIAL REMOVED FROM SITE SHALL BE PLACED ONLY AT A PERMITTED SITE. VERIFY LOCATION OF DESTINATION OF MATERIAL PRIOR TO EXPORTATION.
31. TRAFFIC CONTROL PROVISIONS AS APPROVED BY THE CITY TRAFFIC ENGINEER SHALL BE ADHERED TO AT ALL TIMES.
32. TREES TO BE REMOVED SHALL BE CLEARLY MARKED FOR REMOVAL. TREES TO BE SAVED SHALL BE FENCED WITH BARRICADE FENCE AT THE DRIP LINE (OUTER EDGE OF TREE BRANCHES) TO KEEP CONSTRUCTION VEHICLES FROM COMPACTING ROOT ZONE AND KILLING TREES. THIS FENCING SHALL BE MAINTAINED UNTIL CONSTRUCTION ENDS.
33. TREE PROTECTION MEASURES TO BE INSTALLED WITH INITIAL TESC MEASURES AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF SITE WORK. REFER TO JURISDICTION STANDARD PLANS.
34. ALL REVISIONS TO THE APPROVED PLANS MUST BE APPROVED BY THE DESIGN ENGINEER, THE VA, PRIOR TO IMPLEMENTATION OF THE CHANGES

Revisions:	Date:

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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - GENERAL NOTES	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number:
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CI0001

VA FORM 08 - 6231

1 EXISTING CONDITIONS PLAN

SCALE: 1"=200'-0"

0 100' 200' 400'

NORTH

Revisions:	Date:

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Devlyn Dezmain

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - EXISTING CONDITIONS PLAN

Approved: Project Director

Phase: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES

Location: FORT MEADE, SOUTH DAKOTA

Issue Date: 4-15-2022

Checked: AJG

Drawn: RDR

Project Number: 568-21-701

Building Number:

Drawing Number: RC0001

VA FORM 08 - 6231

1 SECONDARY FIBER OPTICS SITE PLAN

SCALE: 1"=200'-0"

0 100' 200' 400'

NORTH

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS SITE PLAN

Approved: Project Director

Phase: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES

Location: FORT MEADE, SOUTH DAKOTA

Issue Date: 4-15-2022

Checked: AJG

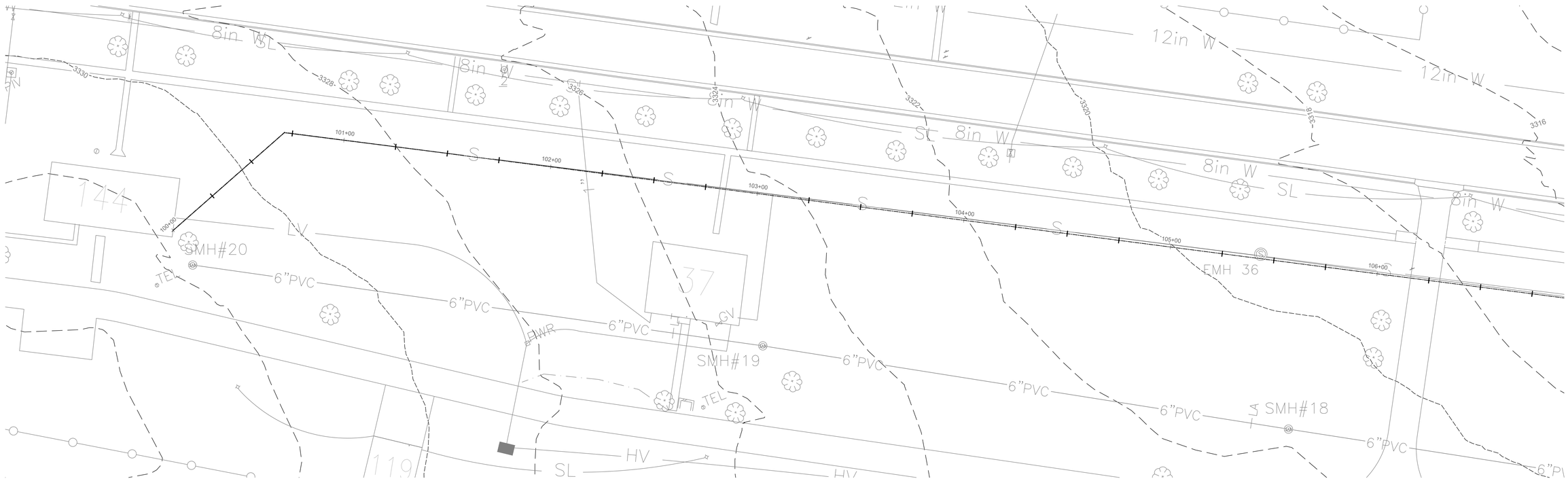
Drawn: RDR

Project Number: 568-21-701

Building Number:

Drawing Number: CU0100

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 100+00 - 106+00

SCALE: 1"=20'-0"

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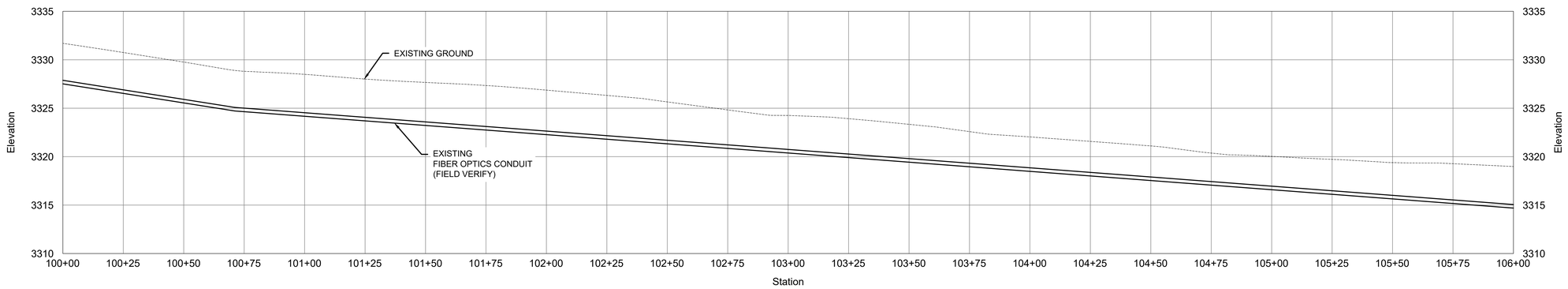
NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 100+00 - 106+00

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0101
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

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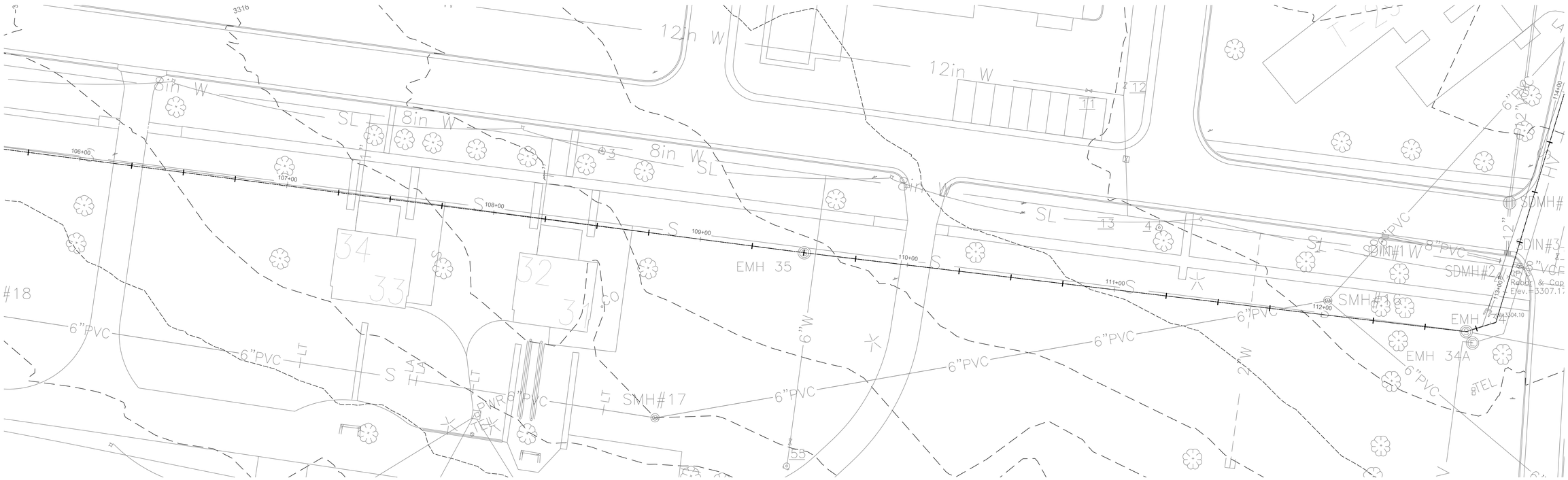

1 SECONDARY FIBER OPTICS PLAN
STA. 106+00 - 112+00

SCALE: 1"=20'-0"
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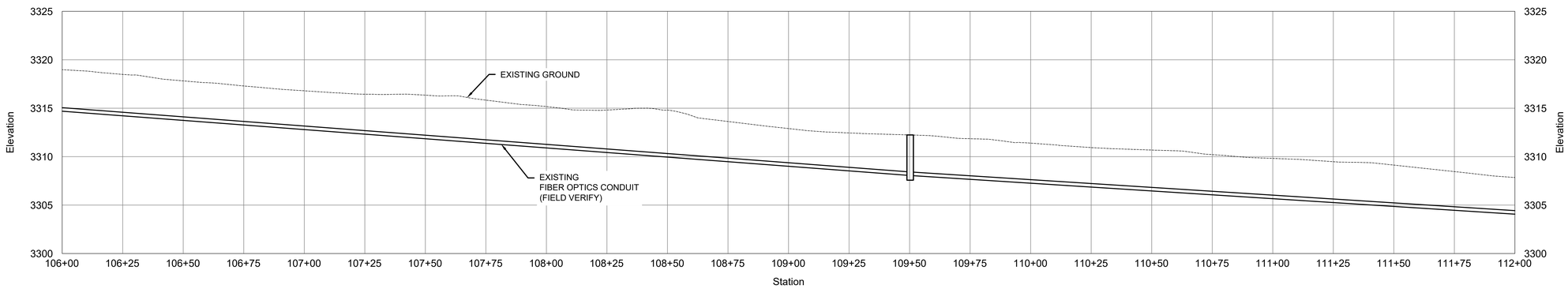
NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 106+00 - 112+00

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number:
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CU0102

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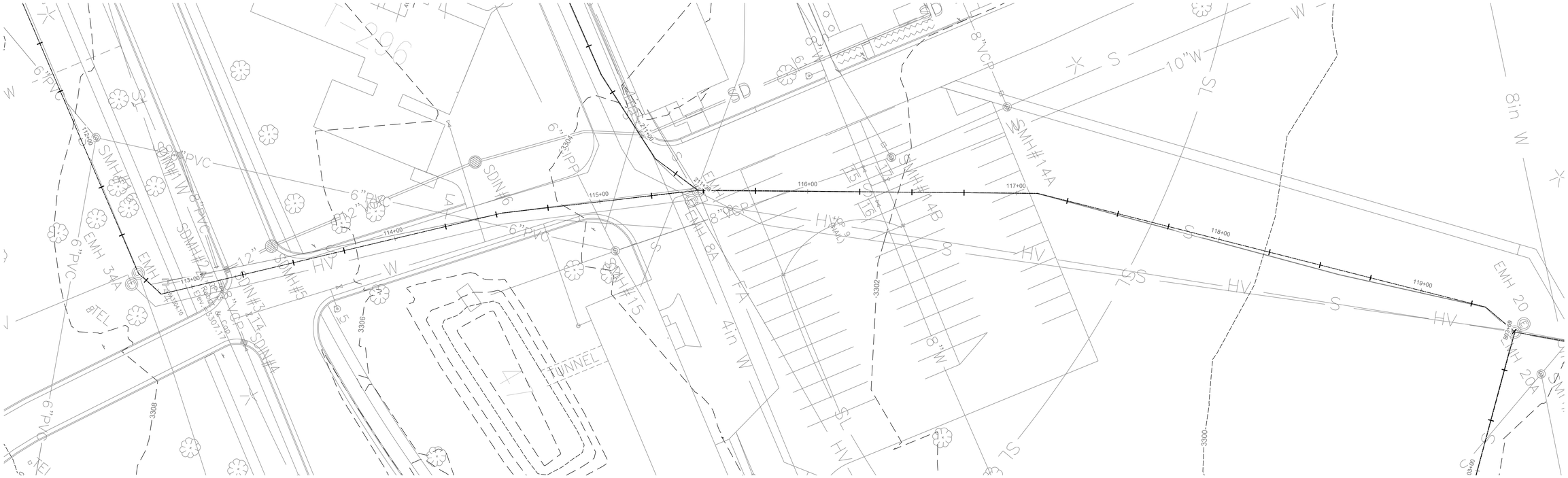


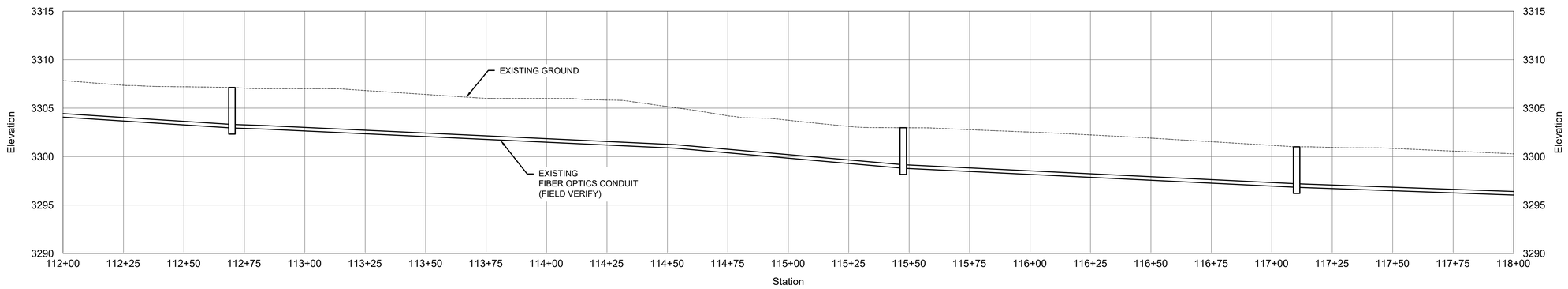
1 SECONDARY FIBER OPTICS PLAN
STA. 112+00 - 118+00

SCALE: 1"=20'-0"
0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 112+00 - 118+00

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number:
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CU0103

VA FORM 08 - 6231

1 SECONDARY FIBER OPTICS PLAN
STA. 118+00 - 124+00

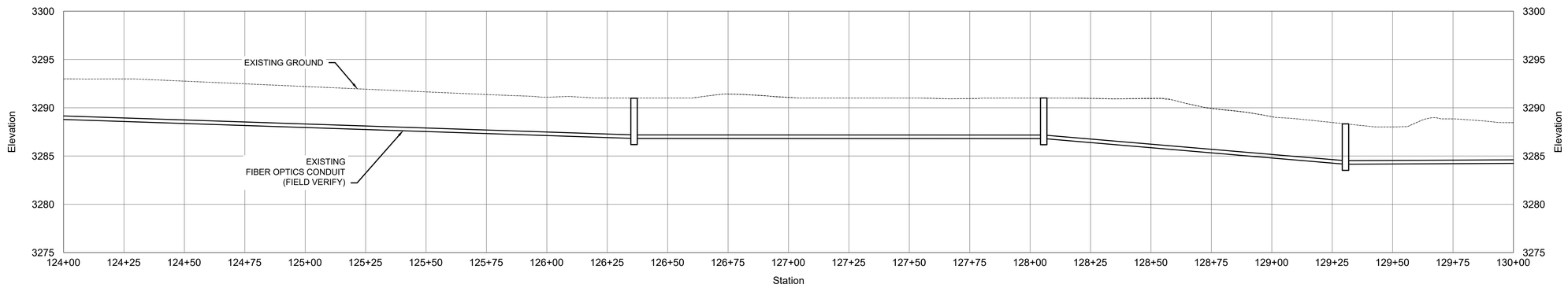
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 118+00 - 124+00

SCALE: H: 1"=20'-0" V:1"=5'-0"

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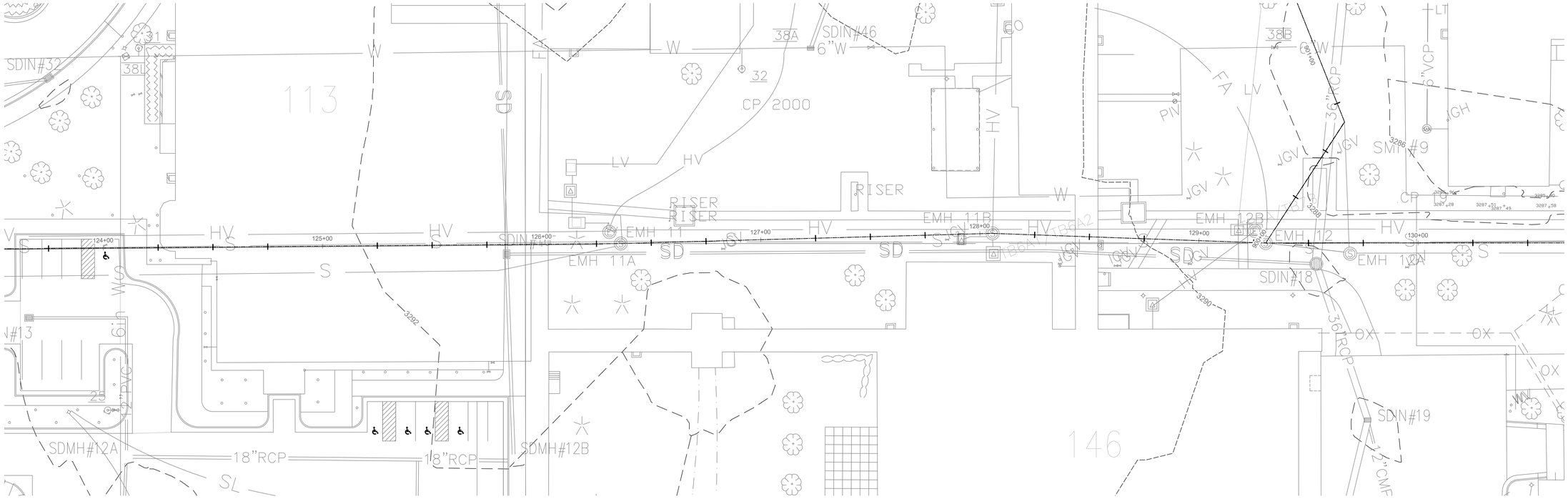
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number:
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CU0104

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 124+00 - 130+00

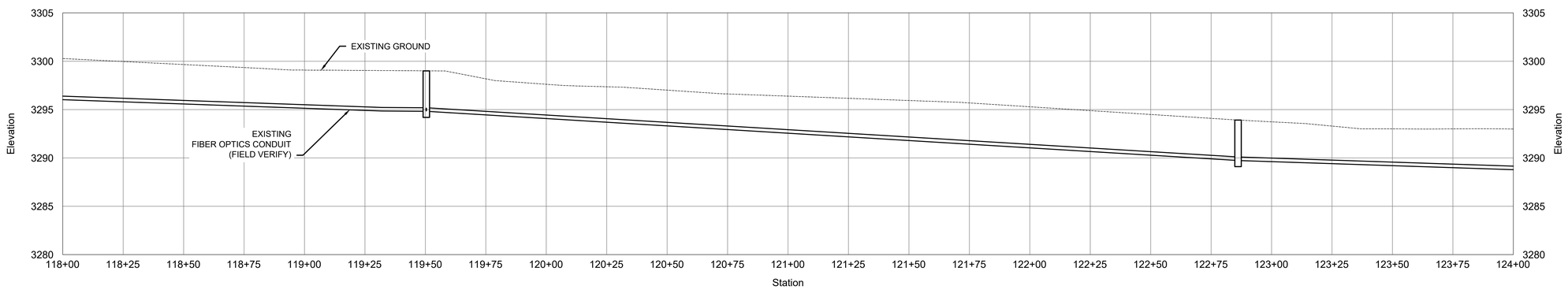
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 124+00 - 130+00

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

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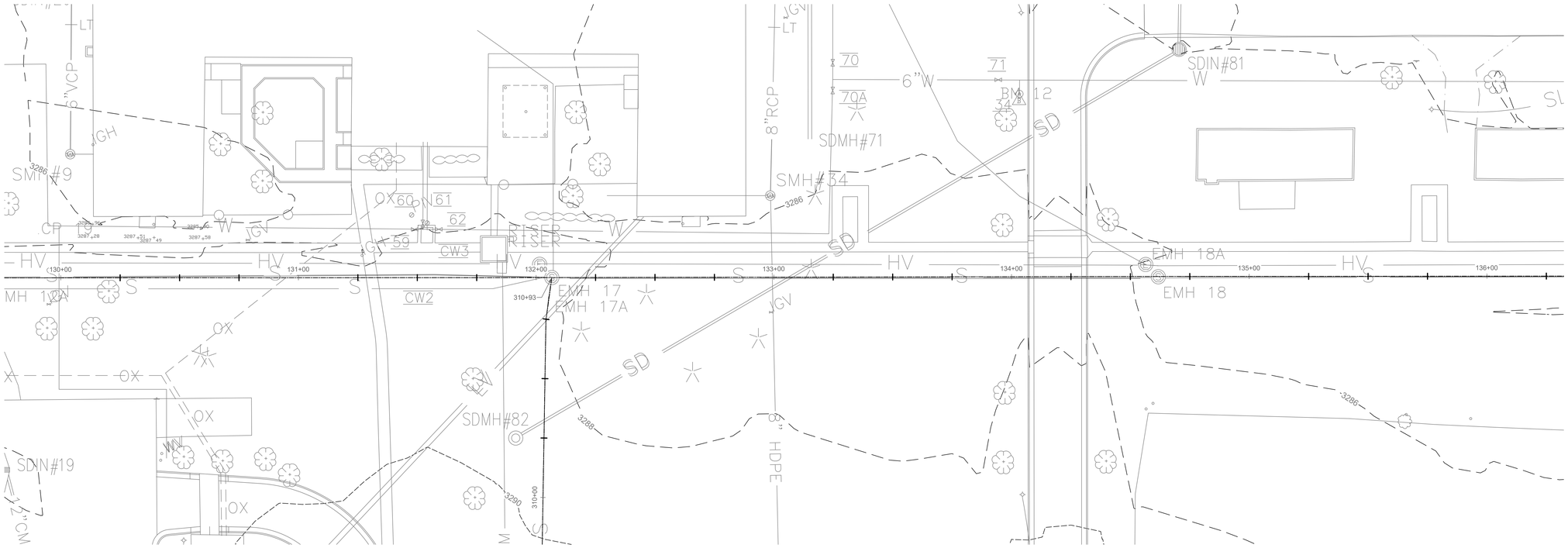
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0105
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 130+00 - 136+00

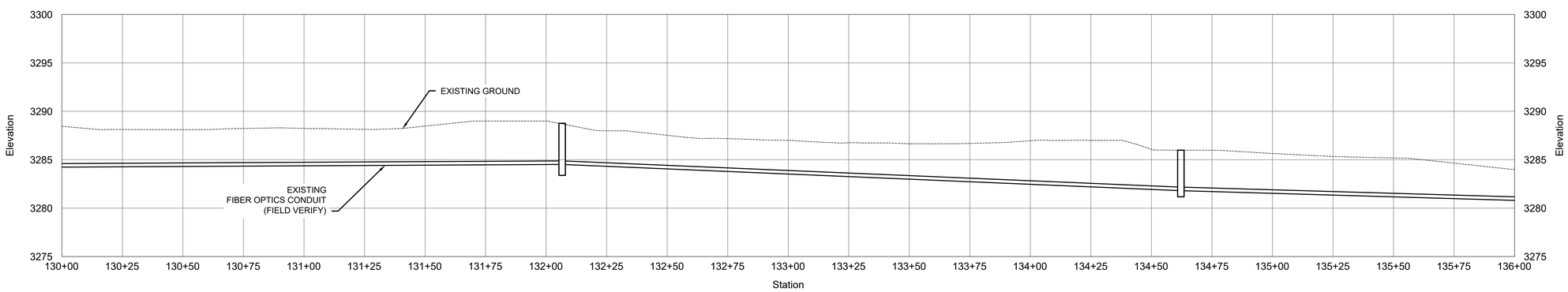
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 130+00 - 136+00

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

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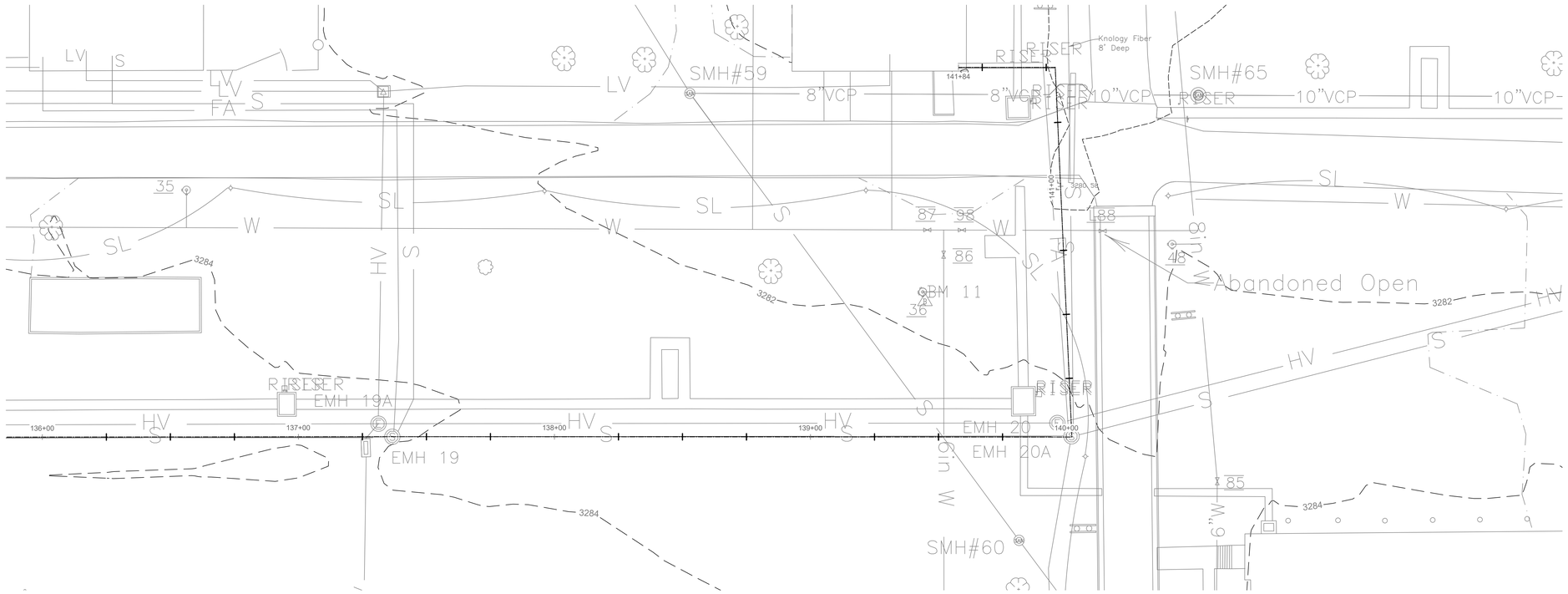
VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0106
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

VA FORM 08 - 6231



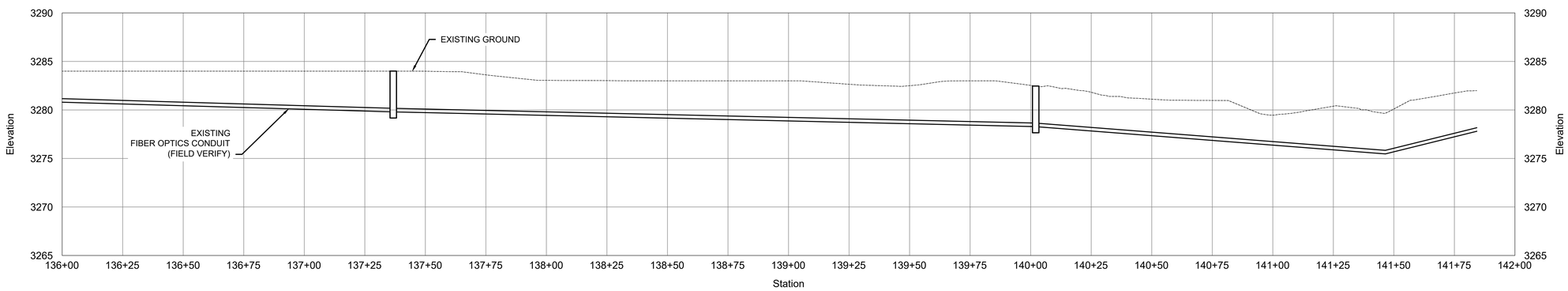
1 SECONDARY FIBER OPTICS PLAN
STA. 136+00 - 141+84

SCALE: 1"=20'-0"
0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 136+00 - 141+84

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

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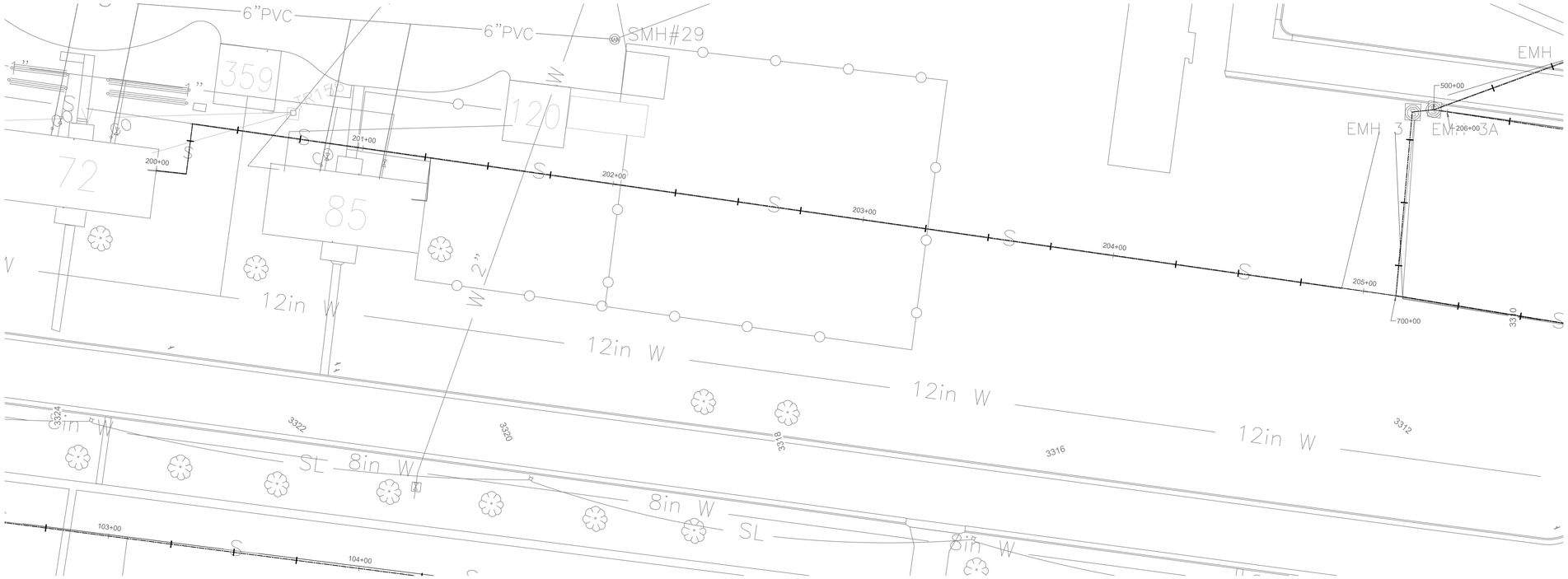
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0107
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 200+00 - 206+00

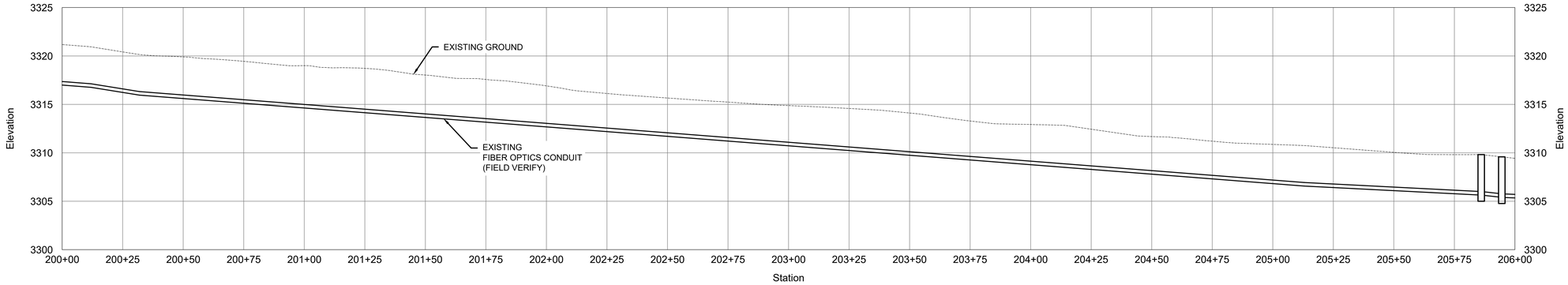
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 200+00 - 206+00

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0108
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

VA FORM 08 - 6231

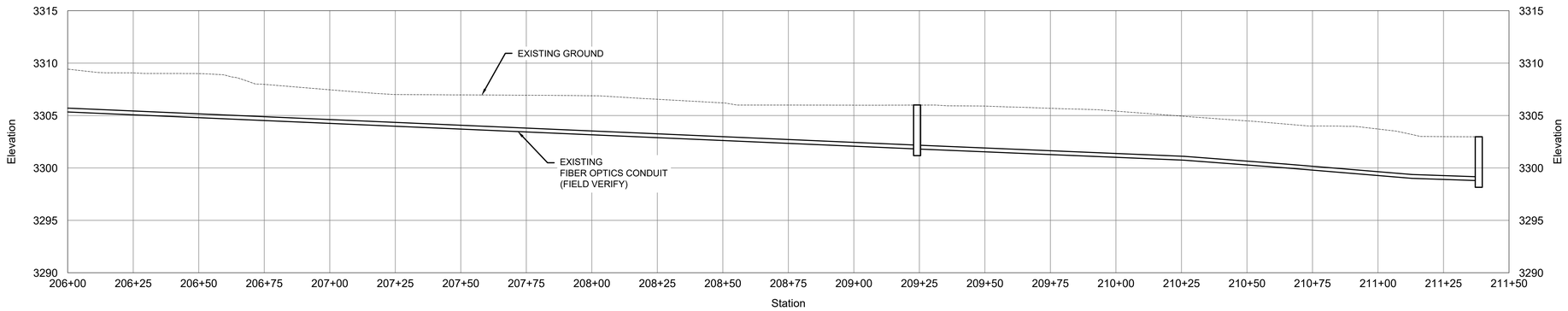
1 SECONDARY FIBER OPTICS PLAN
STA. 206+00 - 211+38

SCALE: 1"=20'-0"
0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 206+00 - 211+38

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

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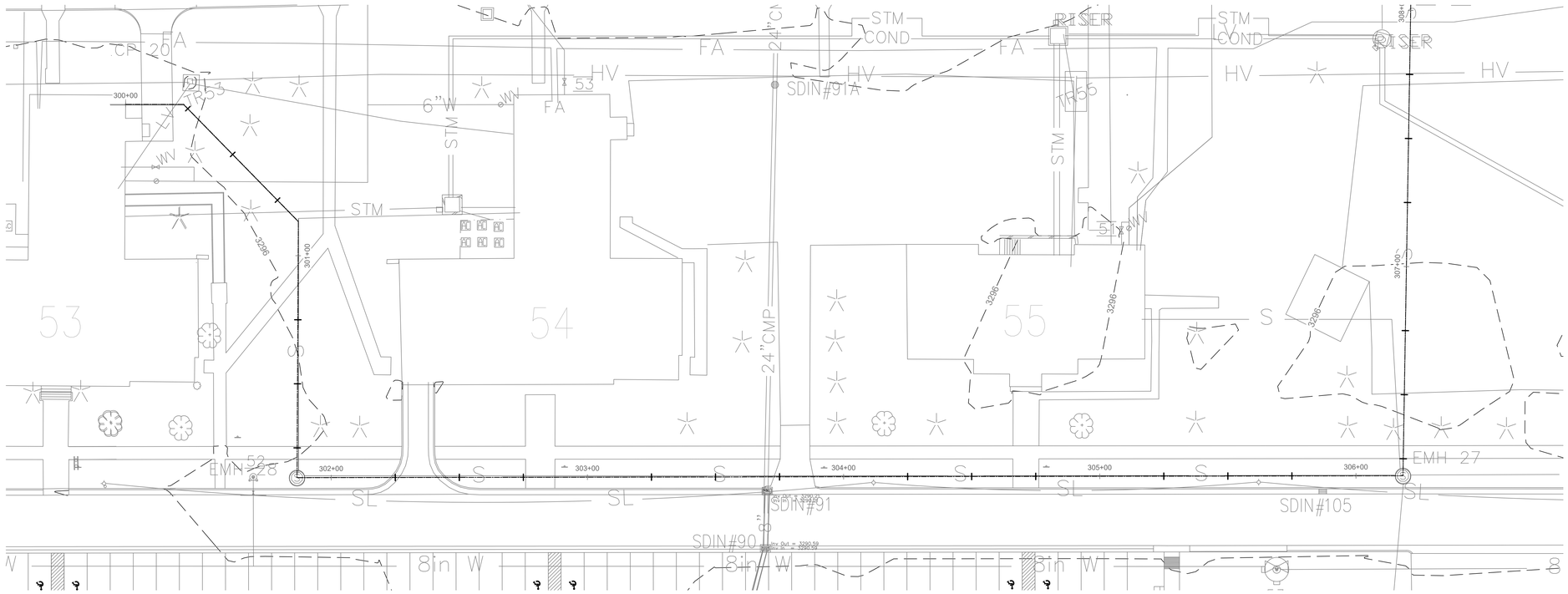
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number:
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CU0109

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 300+00 - 306+00

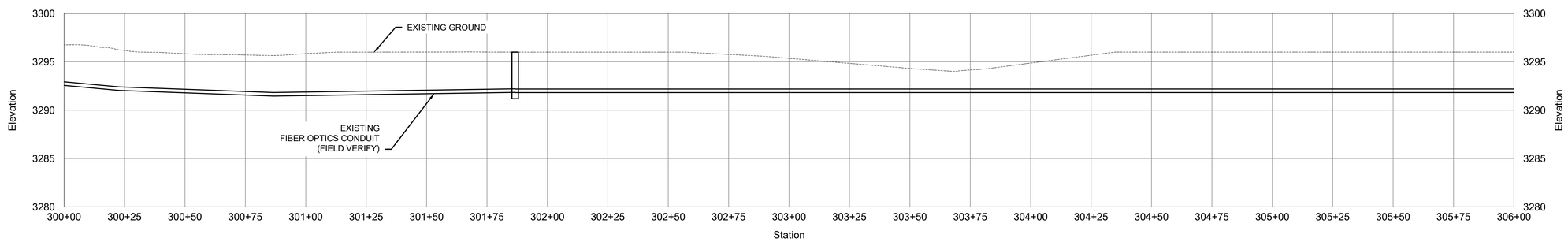
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 300+00 - 306+00

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

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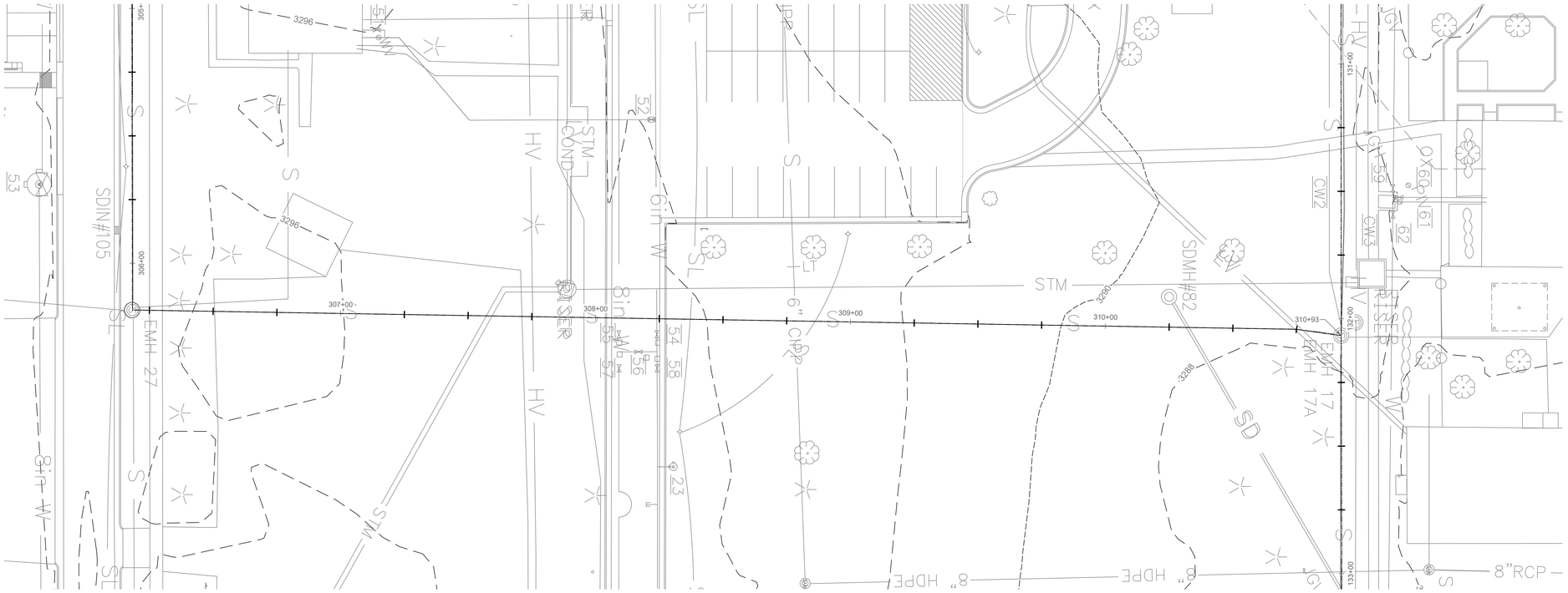
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number:
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CU0110

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 306+00 - 310+93

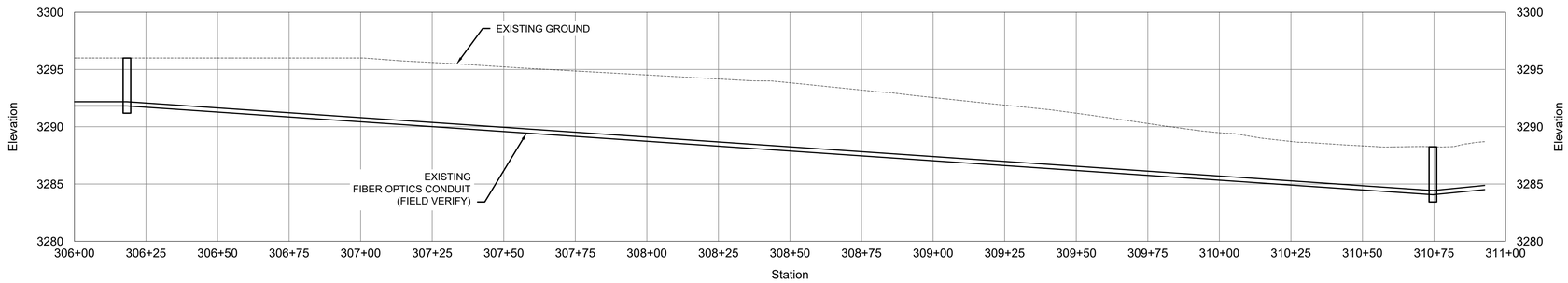
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 306+00 - 310+93

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

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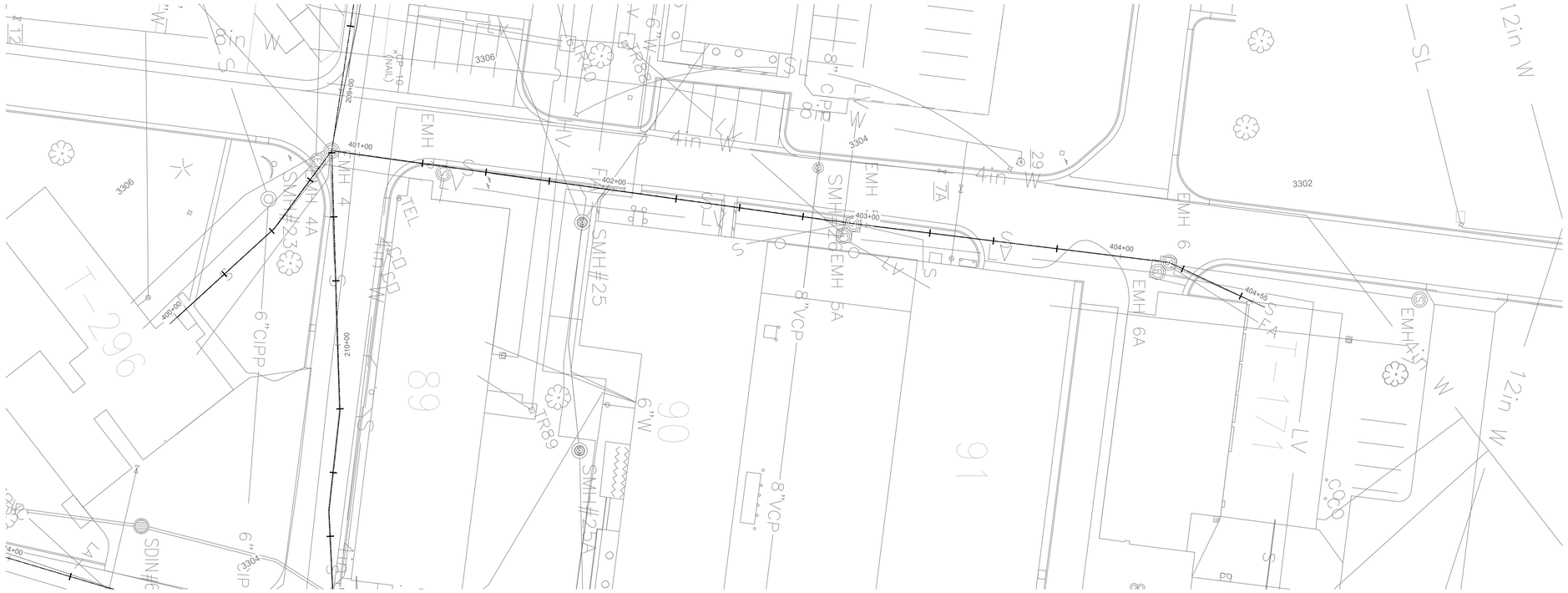
PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0111
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

VA FORM 08 - 6231



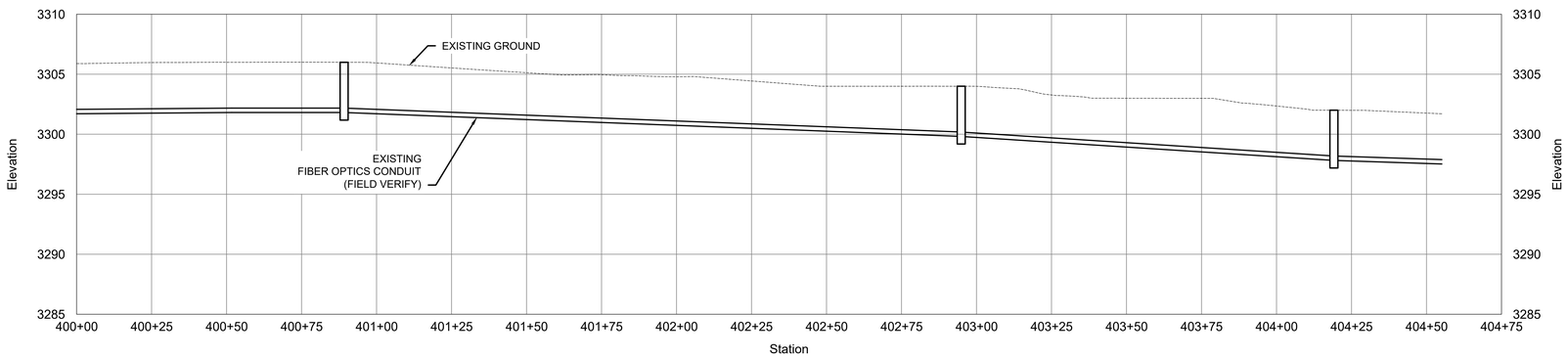
1 SECONDARY FIBER OPTICS PLAN
STA. 400+00 - 404+55

SCALE: 1"=20'-0"
0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 400+00 - 404+55

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

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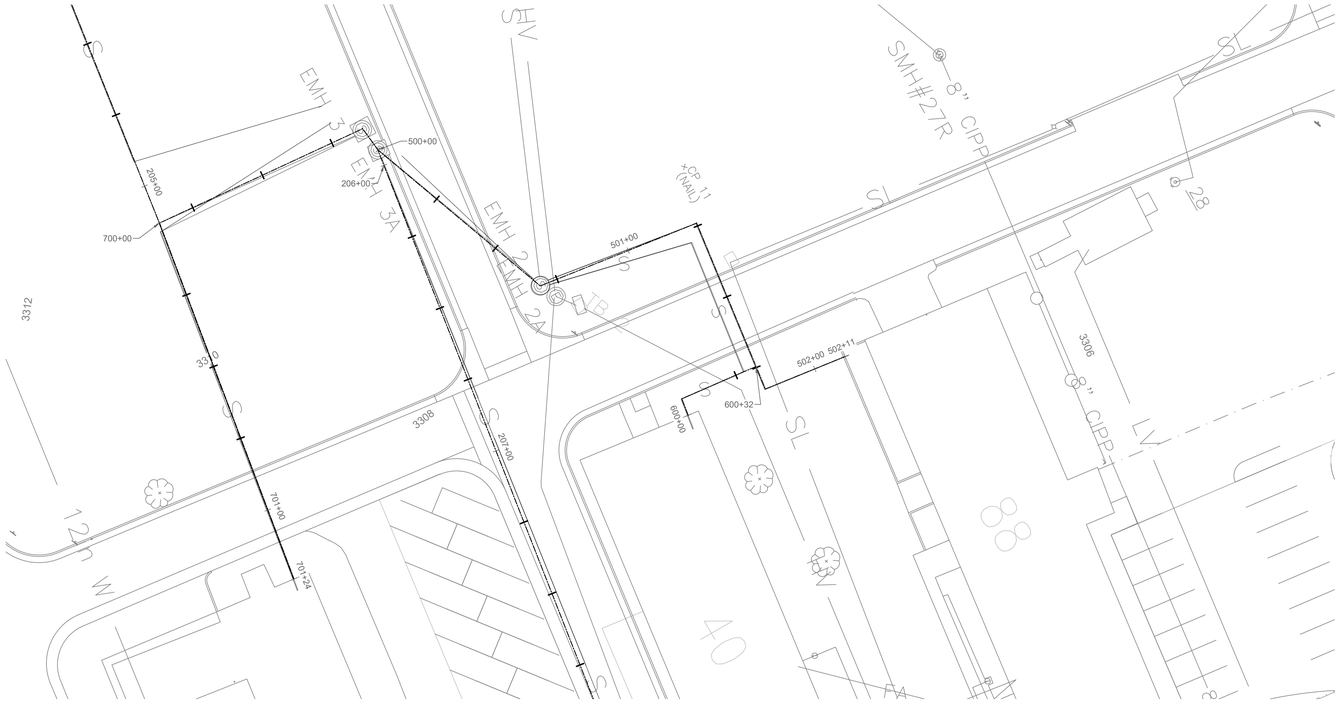
CELYN J. DEZMAIN LICENSE No. 84232 STATE OF FLORIDA PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0112
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 500+00 - 502+11

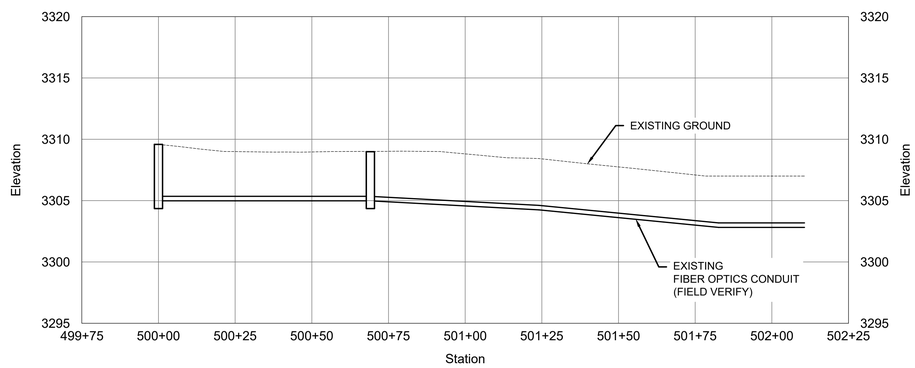
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 500+00 - 502+11

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

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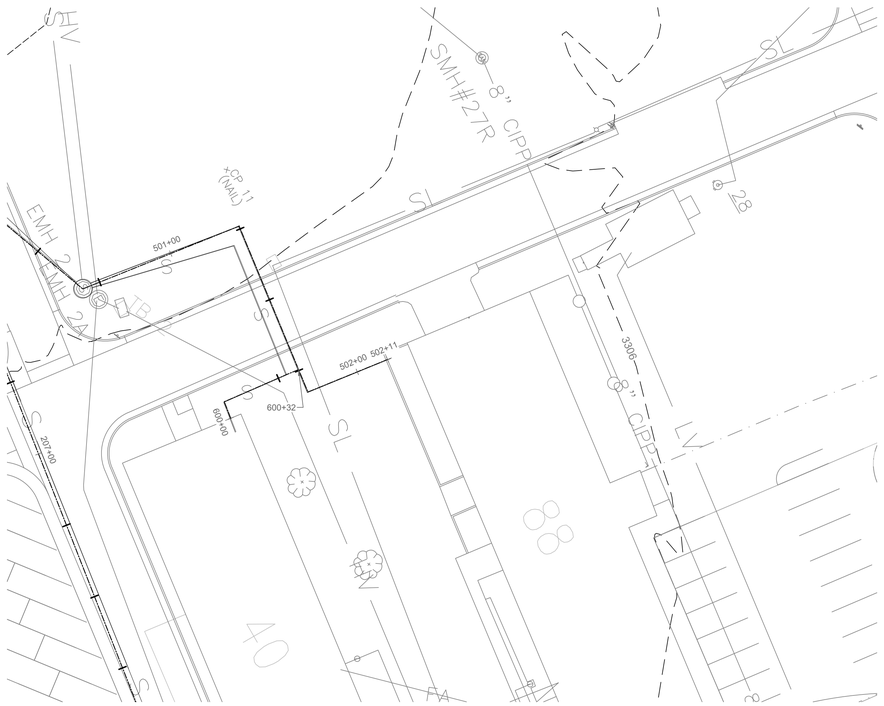
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0113
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 600+00 - 600+32

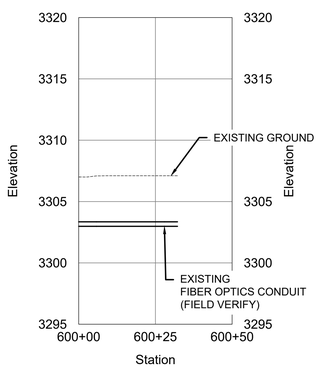
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 600+00 - 600+32

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

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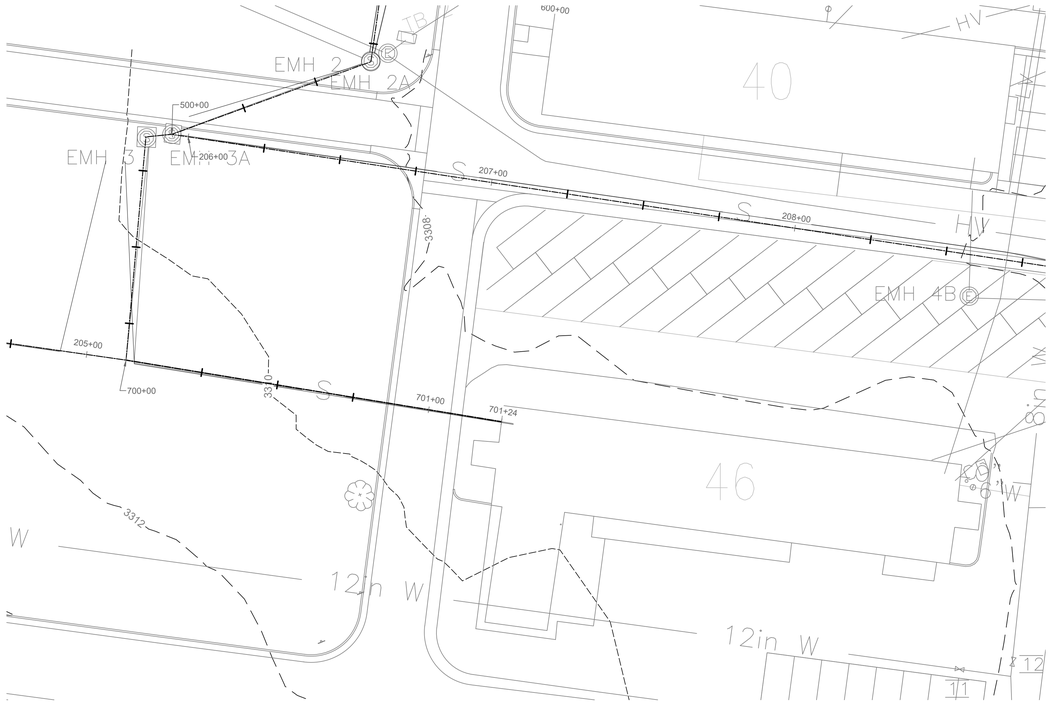
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CU0114

VA FORM 08 - 6231

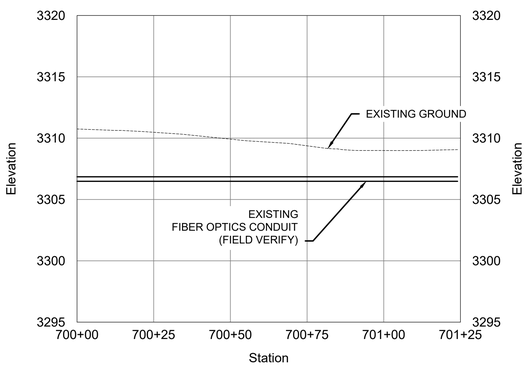


1 SECONDARY FIBER OPTICS PLAN
STA. 700+00 - 701+24

SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH



2 SECONDARY FIBER OPTICS PROFILE
STA. 700+00 - 701+24

SCALE: H: 1"=20'-0" V:1"=5'-0"

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.

Revisions:	Date:

CONSULTANT

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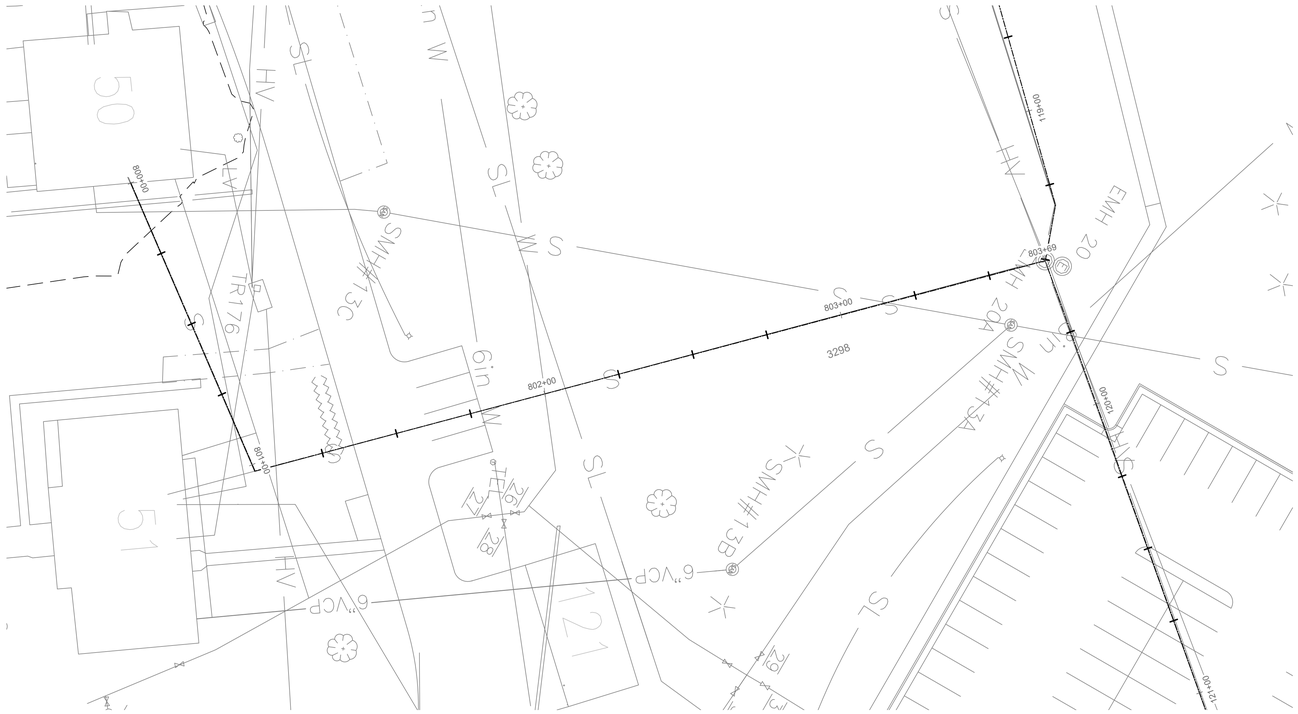
VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CU0115

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 800+00 - 803+69

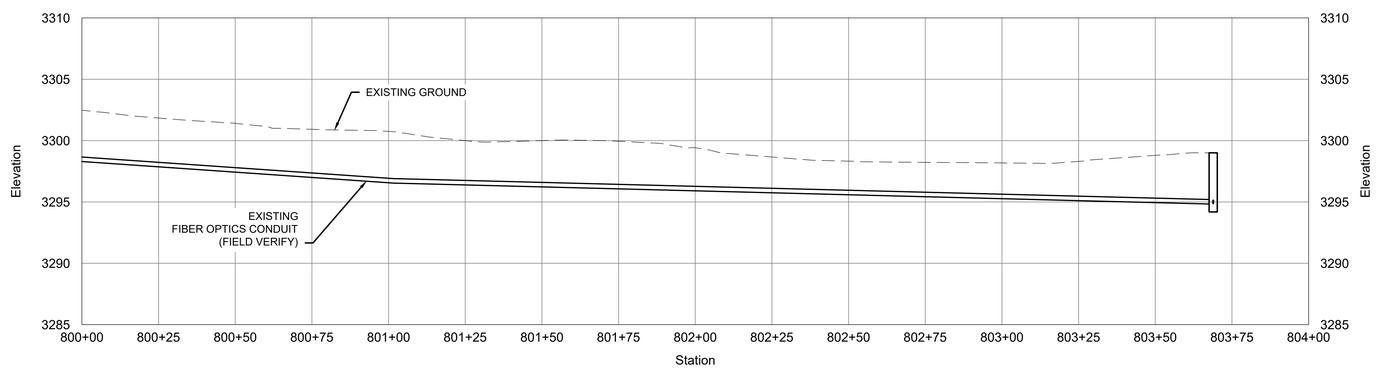
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 800+00 - 803+69

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
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P: 541.436.4723
ADAM GOODIN, PE

GDM ARCHITECTS • ENGINEERS

STAMP

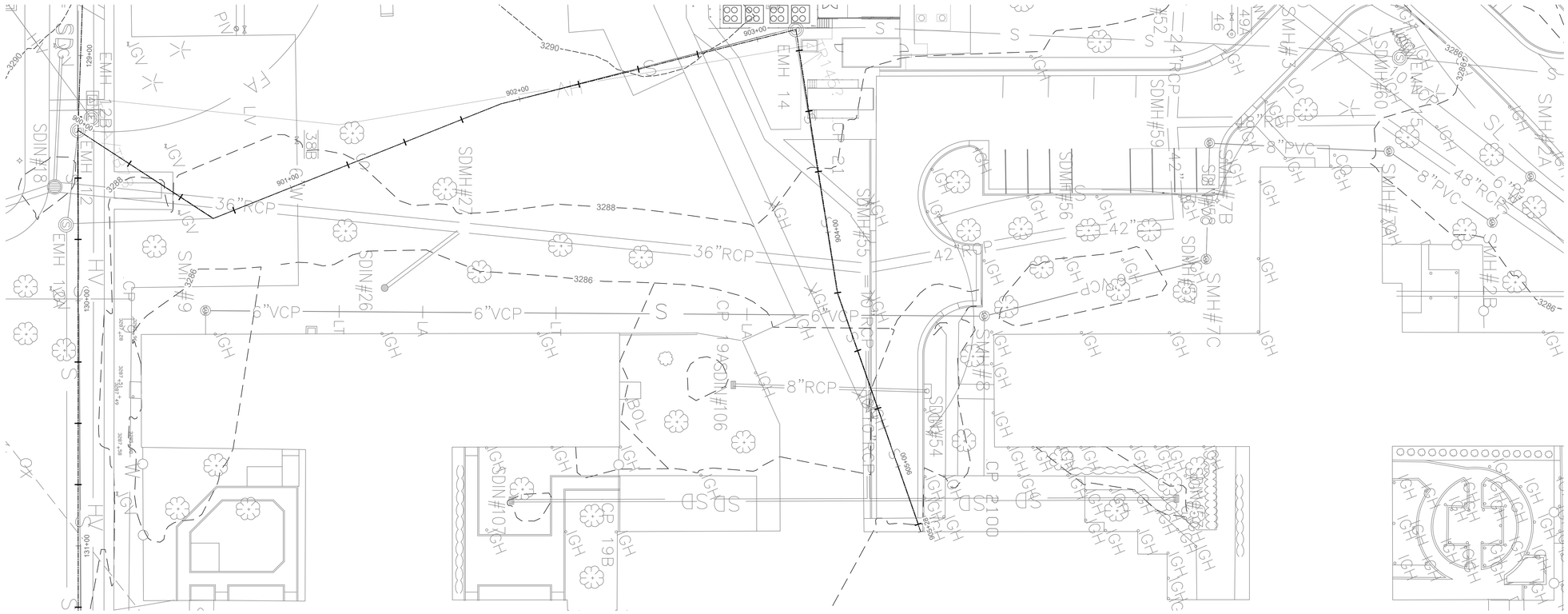
CELYN J. DEZMAIN
LICENSE
No. 84232
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
			Building Number:
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: CU0116
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	

VA FORM 08 - 6231



1 SECONDARY FIBER OPTICS PLAN
STA. 900+00 - 905+28

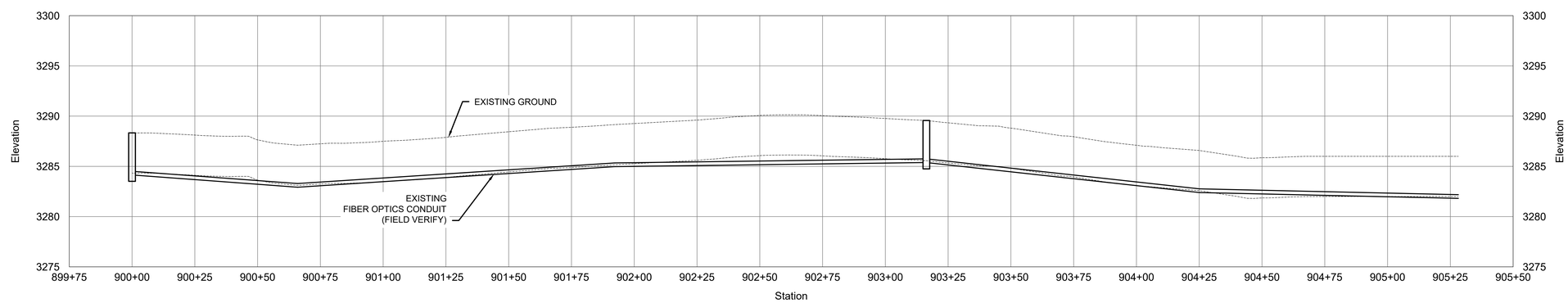
SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



2 SECONDARY FIBER OPTICS PROFILE
STA. 900+00 - 905+28

SCALE: H: 1"=20'-0" V:1"=5'-0"

Revisions:	Date:

CONSULTANT

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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

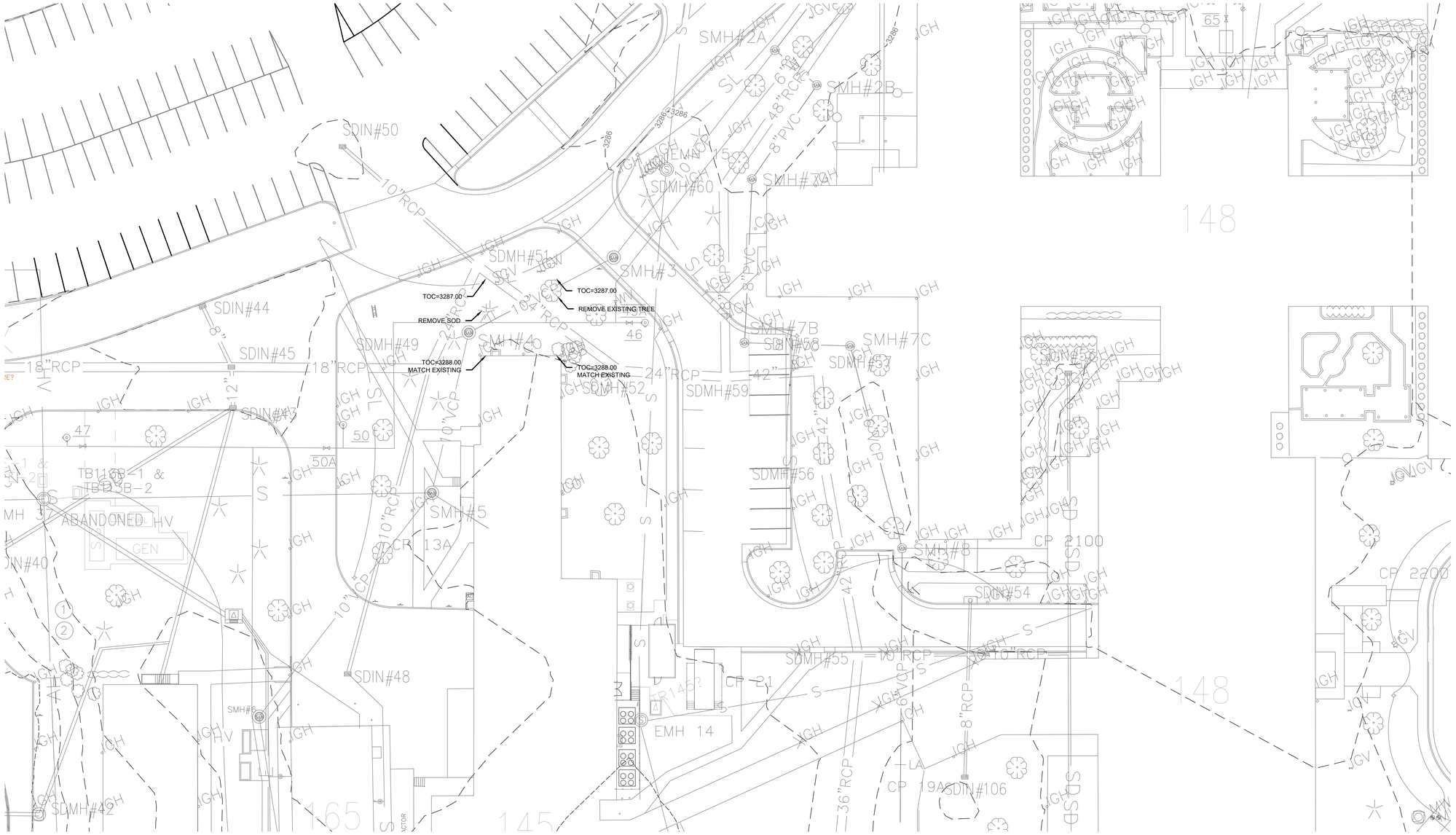
VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - SECONDARY FIBER OPTICS PLAN AND PROFILE	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number:
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CU0117

VA FORM 08 - 6231

NOTES:

1. THE CONTRACTOR IS TO PROVIDE LOCATES, TEMPORARY SHORING, FALSEWORK, DEWATERING, AND OTHER SERVICES, TOOLS, AND SUPPLIES AS IS NECESSARY TO PERFORM THE CIVIL RELATED PORTIONS OF THE WORK.



1 BLDG.145 GRADING PLAN

SCALE: 1"=20'-0"

0 10' 20' 40'

NORTH

Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

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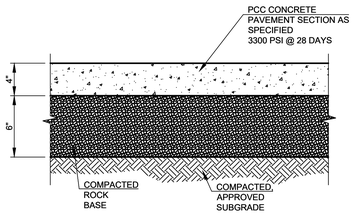
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - GRADING PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES	Project Number: 568-21-701
Approved: Project Director	FLS: FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Building Number:
		Issue Date: 4-15-2022 / Checked: AJG / Drawn: RDR	Drawing Number: CG0100

VA FORM 08 - 6231



1 CONCRETE PAVEMENT DETAILS

SCALE: NTS

Revisions:	Date:

CONSULTANT

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STAMP

CELVIN J. DEZMAIN LICENSE No. 84232 STATE OF FLORIDA PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL - DETAILS

Approved: Project Director

Phase: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES

Location: FORT MEADE, SOUTH DAKOTA

Issue Date: 4-15-2022

Checked: AJG

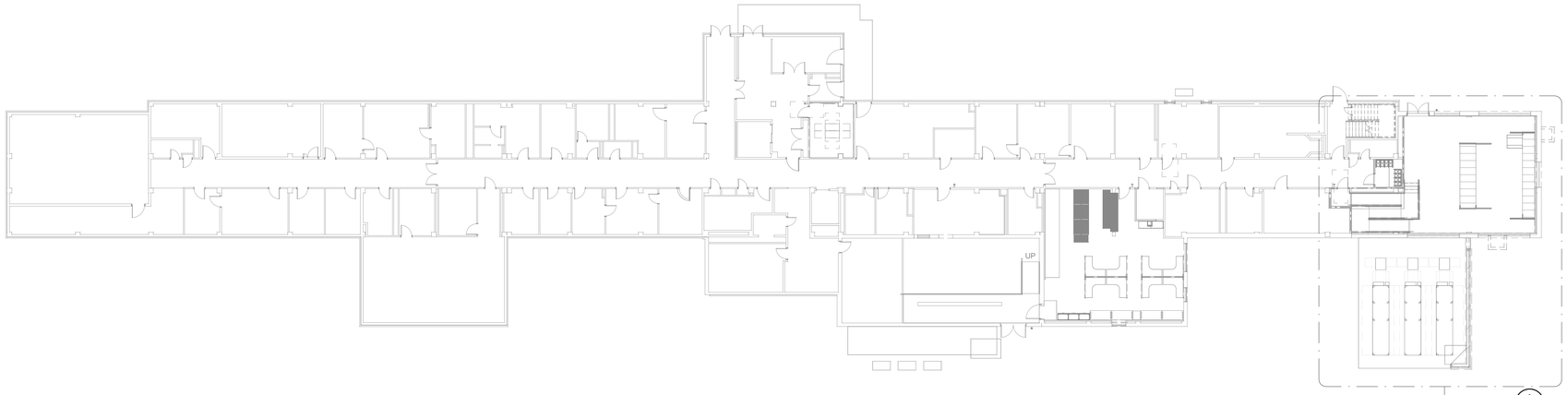
Drawn: RDR

Project Number: 568-21-701

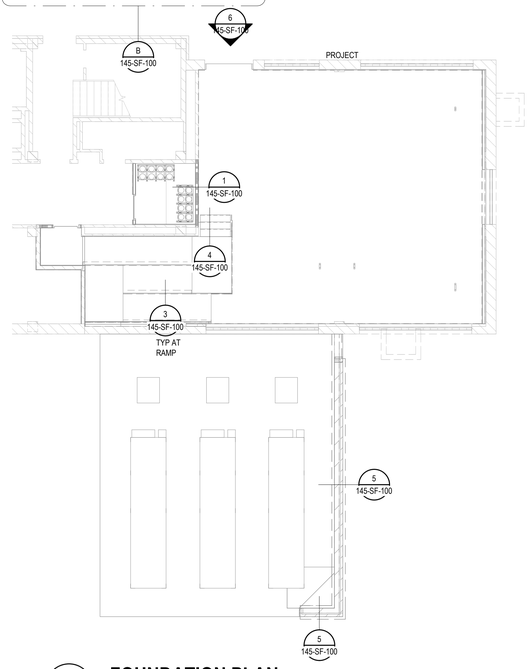
Building Number:

Drawing Number: CJ0001

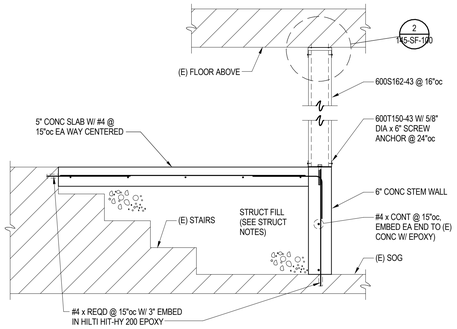
VA FORM 08 - 6231



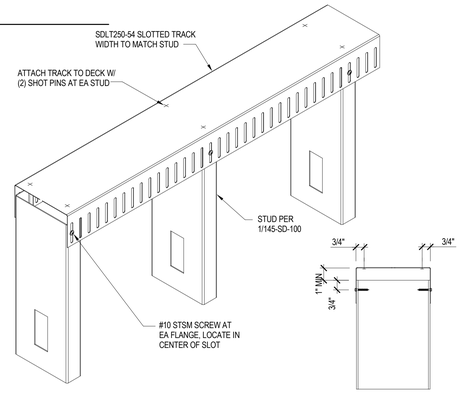
A 145-SF-100 KEY PLAN
1/16" = 1'-0"



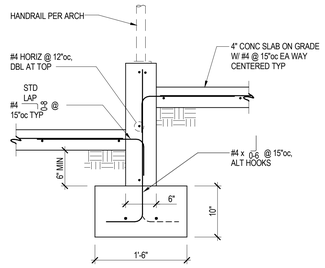
B 145-SF-100 FOUNDATION PLAN
1/8" = 1'-0"



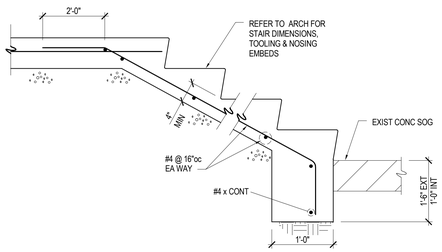
1 145-SF-100 SECTION
3/4" = 1'-0"



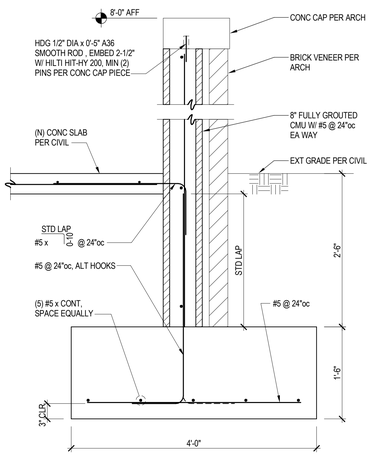
2 145-SF-100 SECTION
1" = 1'-0"



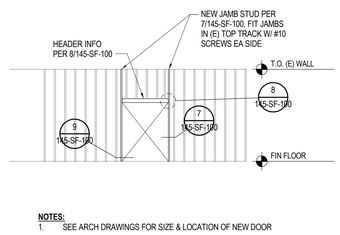
3 145-SF-100 SECTION
1" = 1'-0"



4 145-SF-100 SECTION
1" = 1'-0"

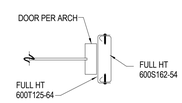


5 145-SF-100 SECTION
1" = 1'-0"

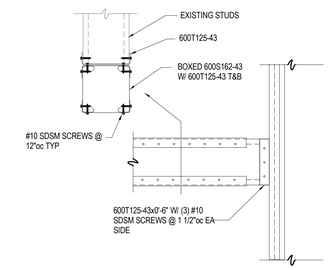


NOTES:
1. SEE ARCH DRAWINGS FOR SIZE & LOCATION OF NEW DOOR

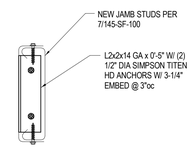
6 145-SF-100 PARTIAL ELEVATION
1/8" = 1'-0"



7 145-SF-100 PLAN SECTION
1 1/2" = 1'-0"



8 145-SF-100 HEADER ATTACHMENT SECTION
1 1/2" = 1'-0"



9 145-SF-100 PLAN SECTION
3" = 1'-0"

Revisions:	Date:

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REGISTERED PROFESSIONAL ENGINEER REG. NO. 13899 MARK A. HUGHES SOUTH DAKOTA
05/24/2022
EXP: 05/31/2022

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	PHASE	PROJECT TITLE	PROJECT NUMBER
BUILDING 145 PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: BLDG 145
		ISSUE DATE: 05/25/2022 / CHECKED BY: MH CNB / DRAWN BY: ATW	DRAWING NUMBER: 145-SF-100

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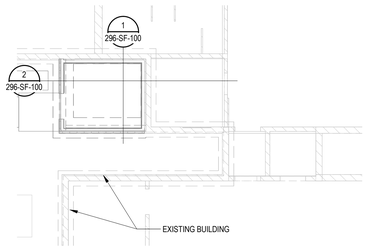
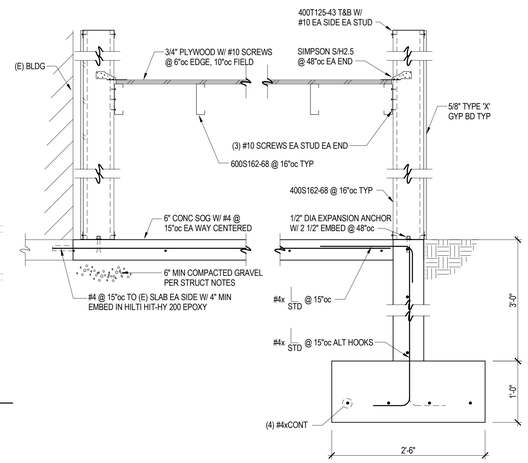
5/23/2022 10:57:25 AM

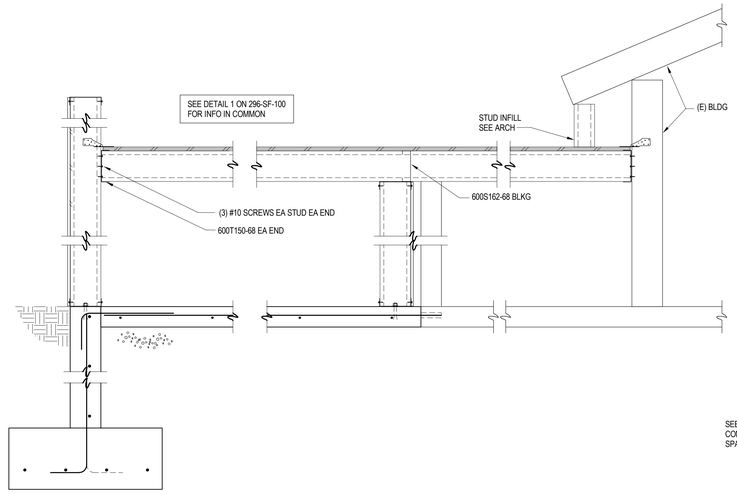
VA FORM 08 - 6231



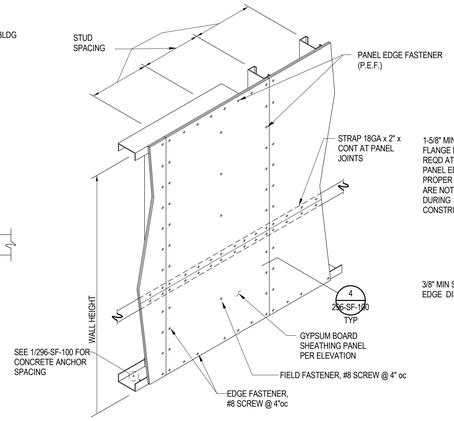
A 296-SF-100 **PARTIAL PLAN** 1/8" = 1'-0"



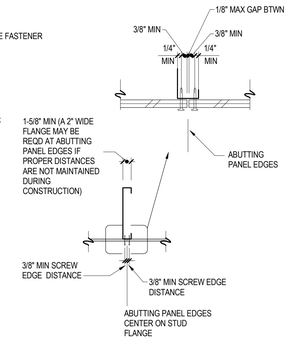
1 296-SF-100 **SECTION** 1" = 1'-0"



2 296-SF-100 **SECTION** 1" = 1'-0"



3 296-SF-100 **SECTION** 1" = 1'-0"



4 296-SF-100 **SECTION** 3" = 1'-0"

DESIGN STANDARD
2021 INTERNATIONAL BUILDING CODE (IBC) WITH THE VA H-18-8 SEISMIC DESIGN STANDARD

DESIGN CRITERIA
1. DESIGN ALL LOADS FOR NEW CONSTRUCTION, UNLESS NOTED OTHERWISE.
2. LIVE LOADS
   A. FLOOR LIVE LOADS:
      a. PUBLIC AND EXIT FLOORS 100 PSF
5. SEISMIC DESIGN DATA
   A. RISK CATEGORY: II
   B. SEISMIC IMPORTANCE FACTOR: I_e = 1.0
   C. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS: S_S = 0.122 g S_1 = 0.039 g
   D. SITE CLASSIFICATION: A
   E. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS: S_{DS} = 0.130 g S_{D1} = 0.063 g
   F. SEISMIC DESIGN CATEGORY: D

GENERAL
1. THESE STRUCTURAL NOTES ARE A SUPPLEMENT TO THE SPECIFICATIONS.
2. SPECIFICATIONS AND CODES REFERENCED IN THESE NOTES ARE THE VERSIONS MOST RECENTLY ADOPTED BY THE PERMITTING AUTHORITY.
3. VERIFY DIMENSIONS AND CONDITIONS WITH THE ARCHITECTURAL DRAWINGS. FIELD VERIFY DIMENSIONS AND ELEVATIONS RELATIVE TO THE EXISTING STRUCTURE PRIOR TO FABRICATION OF MATERIALS.
4. FOR FEATURES OF CONSTRUCTION NOT FULLY SHOWN, PROVIDE THE SAME TYPE AND CHARACTER AS SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.
5. APPLY, PLACE, ERECT OR INSTALL ALL PRODUCTS AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
6. ADEQUATELY BRACE STRUCTURE AND ALL STRUCTURAL COMPONENTS AGAINST WIND, LATERAL EARTH AND SEISMIC FORCES UNTIL THE PERMANENT LATERAL-FORCE RESISTING SYSTEMS HAVE BEEN INSTALLED.
7. PERMANENTLY ATTACH FIRST FLOOR TO WALLS OR SHORE WALLS PRIOR TO BACK-FILLING AGAINST STRUCTURE.
8. SUBMITTALS:
   A. SUBMIT SHOP DRAWINGS FOR:
      a. REINFORCING STEEL
   B. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION OF MATERIAL.

STRUCTURAL FILL OR BACK-FILL
1. STRUCTURAL FILL MATERIAL:
   A. SAND AND GRAVEL MIXTURE OR CRUSHED ROCK
   B. WELL GRADED FROM COARSE-TO-FINE WITH LESS THAN 10% BY WEIGHT OF THE MINUS 3/4" FRACTION PASSING THE NO. 200 SIEVE.
   C. FREE OF ORGANICS, RUBBISH, CLAY BALLS AND ROCKS LARGER THAN 4".
2. PLACE STRUCTURAL FILL IN LOOSE LIFTS, MAXIMUM OF 8" IN THICKNESS.
3. COMPACT STRUCTURAL FILL TO A MINIMUM DENSITY OF 95% OF MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D 1557.
4. VERIFY ADEQUACY OF STRUCTURAL FILL COMPACTION WITH RANDOM FIELD DENSITY TESTS IN ACCORDANCE WITH REQUIREMENTS OF "STRUCTURAL TESTS AND SPECIAL INSPECTIONS", IBC CHAPTER 17.
5. COMPACT STRUCTURAL FILL WITHIN 5'-0" OF RETAINING OR BASEMENT WALLS WITH LIGHT-WEIGHT, HAND-HELD EQUIPMENT. EXERCISE CARE TO AVOID DAMAGE TO WALLS.

FOUNDATIONS
1. FOUNDATION SIZES BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 1,500 PSF DEAD AND LIVE/SNOW LOADS WITH AN ALLOWABLE ONE-THIRD INCREASE FOR WIND AND SEISMIC.
2. PLACE FOOTINGS ON FIRM, UNDISTURBED ORIGINAL SOIL, OR ON STRUCTURAL FILL. SEE "STRUCTURAL FILL OR BACK-FILL" NOTES FOR STRUCTURAL FILL INFORMATION.

CONCRETE REINFORCING STEEL
1. REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60.
2. DETAIL, FABRICATE AND PLACE REINFORCING ACCORDING TO ACI 315, DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.
3. TYPICAL REINFORCING (MINIMUM, UNLESS NOTED OTHERWISE ON DRAWINGS):
   A. CORNERS AND INTERSECTIONS OF WALLS AND FOUNDATIONS, PRE-CAST PANEL CORNERS: CORNER BARS EQUAL IN SIZE AND NUMBER TO HORIZONTAL REINFORCING. LEG LENGTH: 48 BAR DIAMETER (2'-0" MINIMUM).
4. DO NOT FIELD BEND, DISPLACE, WELD, HEAT OR CUT REINFORCING UNLESS INDICATED ON THE DRAWINGS, OR APPROVED BY STRUCTURAL ENGINEER OF RECORD.
5. MINIMUM COVER FROM CONCRETE SURFACES TO REINFORCING:
   3" TO BOTTOM OF FOOTING
   CENTER OF SLABS-ON-GRADE
6. REINFORCING LAP SPLICES (INCHES): CONFORM WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", AS SHOWN BELOW, UNLESS NOTED OTHERWISE ON DRAWINGS:

	3000 PSI		4000 PSI		5000 PSI	
BAR SIZE	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	28	22	24	19	22	17
#4	37	29	32	25	29	22
#5	47	36	40	31	36	28
#6	56	43	48	37	43	33

LAP SPLICE NOTES:
A. TOP BARS ARE DEFINED AS HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12" OF CONCRETE IS PLACED BELOW THE BARS.
B. SPLICE LENGTH BASIS: CLASS B, CASE 1 SPLICE, WITH CENTER-TO-CENTER BAR SPACING OF GREATER THAN 3 BAR DIAMETERS.

CAST-IN-PLACE CONCRETE
1. ALL CONCRETE MATERIALS, FORM WORK, MIXING, PLACING AND CURING SHALL BE IN ACCORDANCE WITH:
   A. ACI 301 "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE".
   B. ACI 305 "RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING" AND
   C. ACI 306 "RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING."
2. CONCRETE MIX DESIGN:
   UNLESS NOTED OTHERWISE, ALL CONCRETE STRENGTH SHALL BE:
   3,000 PSI FOR: FOOTINGS
   4,000 PSI FOR: INTERIOR SLABS-ON-GRADE (MAXIMUM WATER/CEMENT RATIO = 0.40; MINIMUM COARSE AGGREGATE SIZE = 1")
   3,000 PSI FOR: OTHER CONCRETE
   NOTES:
   A. UNLESS NOTED OTHERWISE, CONCRETE STRENGTH SHALL BE OBTAINED AT A MINIMUM OF 28 DAYS AFTER PLACING AS DETERMINED BY LABORATORY-CURED CONCRETE CYLINDER TESTS.
   B. NO WATER SHALL BE ADDED TO THE CONCRETE OTHER THAN THAT REQUIRED BY THE MIX DESIGN APPROVED BY THE ENGINEER OF RECORD. WATER ADDED AFTER INITIAL CONCRETE BATCHING SHALL BE SPECIAL INSPECTED.
   C. PREPARE MIX DESIGNS FOR EACH TYPE OF CONCRETE BY EITHER LABORATORY TRIAL BATCH OR FIELD EXPERIENCE METHODS AS SPECIFIED IN ACI 301.
   D. USE PORTLAND CEMENT TYPE I OR II: CONFORM WITH ASTM C 150; SUPPLY FROM 1 SOURCE.
   E. AGGREGATES SHALL CONFORM WITH ASTM C 33 AND BE THOROUGHLY CLEANED AND WASHED PRIOR TO USE.
   F. REPLACE UP TO 20% OF CEMENT WITH FLY ASH. FLY ASH SHALL CONFORM WITH ASTM C 618, CLASS C OR F. CONCRETE MIX STRENGTH TEST DATA SHALL BE PROVIDED.
   G. CONCRETE EXPOSED TO WEATHER SHALL HAVE 5% ± 1% ENTRAINED AIR, BY VOLUME, AND SHALL CONFORM WITH ASTM C 260.
   H. SLABS-ON-GRADE SHALL UTILIZE SUPER PLASTICIZERS.
3. CONCRETE MIX PROPORTIONS:
   A. PROPORTION ACCORDING TO ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
   B. SUBMIT MIX DESIGNS, WITH COMPLETE STATISTICAL BACKUP, FOR REVIEW.
4. SAMPLING AND TESTING OF CONCRETE:
   A. CONCRETE COMPRESSIVE STRENGTH OF LABORATORY CURED CYLINDERS SHALL BE TESTED AFTER THE SPECIFIED PERIOD AT 28 DAYS OR 56 DAYS AS NOTED.
   B. SAMPLE, CURE AND TEST CONCRETE CYLINDERS ACCORDING TO APPLICABLE ASTM SPECIFICATIONS.
   C. ACCEPTANCE OF COMPRESSIVE STRENGTH TEST RESULTS SHALL BE GOVERNED BY ACI 318, CHAPTER 5.
   D. TEST A MINIMUM OF 3 CONCRETE TEST CYLINDERS FOR EACH 150 CU. YARDS OF CONCRETE, NOT LESS THAN ONE FOR EACH 5,000 SQUARE FEET OF SURFACE AREA FOR SLABS AND WALLS, OR EACH DAY OF POUR, FOR EACH CONCRETE STRENGTH. TEST 1 CYLINDER AT 7 DAYS AND 2 CYLINDERS AT 28 DAYS.
   E. CAST 1 ADDITIONAL CYLINDER FOR STRENGTH VERIFICATION, IF PROBLEMS HAVE DEVELOPED FROM PREVIOUS 28 DAY BREAKS.
5. JOINTS:
   A. CONSTRUCTION JOINTS BETWEEN FOOTINGS AND WALLS, COLUMNS OR PILASTERS AND THE SLABS THEY SUPPORT AND WALL CONSTRUCTION JOINTS: ROUGHEN CONTACT AREA TO AN APPROXIMATE 1/4" AMPLITUDE, LEAVING THE CONTACT SURFACE CLEAN AND FREE OF LAITANCE.
   B. CONSTRUCTION JOINTS KEYWAYS: PROVIDE WHERE SHOWN ON DRAWINGS.
   C. SUBMIT LOCATIONS AND DETAILS OF PROPOSED CONSTRUCTION JOINTS NOT DETAILED ON THE DRAWINGS FOR REVIEW.
6. CHAMFER EXPOSED CORNERS 3/4", UNLESS NOTED OTHERWISE.

POST-INSTALLED ANCHORS
FOR ANCHORS ON THE CONSTRUCTION DOCUMENTS NOT NOTED WITH A SPECIFIC PRODUCT TYPE OR MANUFACTURER, THE CONTRACTOR SHALL USE APPROVED ANCHORS SPECIFIED IN THE TABLE BELOW.
1. THE FOLLOWING PRODUCTS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE REFERENCED PRODUCT APPROVALS SHOWN BELOW, UNLESS NOTED OTHERWISE.
2. NO SUBSTITUTIONS SHALL BE MADE FOR POST-INSTALLED ANCHORS SHOWN ON THE CONSTRUCTION DOCUMENTS WITHOUT PRIOR APPROVAL OF THE ENGINEER OF RECORD. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS PREPARED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT OCCURS, DEMONSTRATING THAT THE PROPOSED ANCHORS HAVE PERFORMANCE VALUES EQUIVALENT TO OR HIGHER THAN THOSE SHOWN ON THE DRAWINGS.

ITEM	APPROVED PRODUCTS	ICC#
EXPANSION ANCHOR (CONCRETE)	HILTI KWIK BOLT TZ SIMPSON STRONG BOLT 2 DEWALT POWER STUD + SD2	ESR-1917 ESR-3037 ESR-2502
SHALLOW ADHESIVE ANCHOR (CONCRETE)	HILTI HIT-HY 200 SIMPSON SET-XP DEWALT AC200+ DEWALT PURE110+ DEWALT AC100+ GOLD	ESR-3187 ESR-2508 ESR-4027 ESR-3598 ESR-2582
SCREW ANCHOR (CONCRETE)	HILTI HUS-EZ SIMPSON TITEN HD DEWALT SCREW-BOLT + DEWALT SNAKE +	ESR-3027 ESR-2713 ESR-3889 ESR-2272

COLD-FORMED STEEL CONNECTIONS
1. ALL PLATES AND LEDGERS SHALL BE ANCHORED WITH A MINIMUM OF 3 ANCHORS PER PIECE.
2. ALL FRAMING CONNECTORS SHALL BE SIMPSON OR APPROVED. FILL ALL HOLES WITH SCREWS AS SPECIFIED BY THE HANGER MANUFACTURER, UNLESS NOTED OTHERWISE.
3. ALL SCREWS TO BE #10 SELF-DRILLING SHEET METAL (SDSM) SCREWS, UNLESS NOTED OTHERWISE.

COLD FORMED STEEL FRAMING
1. ALL FABRICATION, ERECTION AND IDENTIFICATION OF COLD FORMED STEEL FRAMING SHALL CONFORM WITH IBC SECTIONS 2209, 2210 AND 2211, AND A.I.S.I. "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. MATERIAL:
   A. ASTM A 653/653M, GRADE D (F_y = 50 KSI) FOR 54 MIL AND THICKER STOCK.
   B. ASTM A 653/653M, GRADE A (F_y = 33 KSI) FOR 43 MIL AND THINNER STOCK.
3. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SHEET METAL (SDSM) SCREWS, UNLESS NOTED OTHERWISE.
   A. SCREW SPACING AND EDGE DISTANCE SHALL BE NOT LESS THAN 3X THE NOMINAL SCREW DIAMETER.
   B. PENETRATIONS OF SCREWS THROUGH JOINED MATERIAL SHOULD NOT BE LESS THAN 3 EXPOSED THREADS.
   C. WHERE FEASIBLE, INSTALL SCREWS FROM THINNER MATERIAL TO THICKER MATERIAL.
   D. SCREWS SHALL BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH SCREW MANUFACTURER'S RECOMMENDATIONS.
4. STEEL STUDS OR JOISTS SHALL HAVE STIFFENED LIPS, UNLESS NOTED OTHERWISE, AND MANUFACTURED BY MEMBERS OF THE STEEL STUD MANUFACTURER'S ASSOCIATION. SIZES AND GAUGE ARE AS NOTED ON DRAWINGS.
5. PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
6. END BLOCKING SHALL BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.
7. JOISTS SHALL BE LOCATED DIRECTLY OVER BEARING STUDS, UNLESS NOTED OTHERWISE, WITHIN A TOLERANCE OF ±1/2".
8. SPLICES IN AXIALLY LOADED STUDS SHALL NOT BE PERMITTED.
9. ALL STUDS, JAMBS, HEADERS, AND SILLS SHALL BE FULL LENGTH MEMBERS BETWEEN SUPPORTS.
10. EACH FLANGE OF STUDS SHALL BE SECURELY ATTACHED TO FLANGES OF BOTH UPPER AND LOWER TRACKS.
11. WHEN METAL STUDS ARE USED IN BEARING WALL CONSTRUCTION, STUDS MUST FIT TIGHTLY INTO THE TOP AND BOTTOM TRACKS. END GAPS WILL NOT BE ALLOWED.

SPECIAL INSPECTION PROGRAM

	INSPECTION TASK / TYPE OF WORK	CONTINUOUS*	PERIODIC*	COMMENTS
SOILS				
	GRADING, EXCAVATION & FILL		X	REF. PROJECT SPECIFICATION
CONCRETE				
	PLACEMENT OF REINFORCING STEEL		X	
	PLACING OF REINFORCED CONCRETE	X		
	TAKING OF TEST SPECIMENS	X		
COLD-FORMED STEEL FRAMING				
	VERIFY MEMBER SIZES, CONNECTIONS & DEFLECTION HEADS		X	
	VERIFY MEMBER SIZES AND CONNECTIONS FOR SEISMIC RESISTING SYSTEMS		X	PER IBC 1705 AND 1707.4
	VERIFY MEMBER SIZES AND CONNECTIONS FOR WIND-RESISTING SYSTEMS AND COMPONENTS		X	PER IBC 1705.4
OTHER				
	POST-INSTALLED ANCHORS IN CONCRETE AND MASONRY			PER ICC/ICBO EVALUATION REPORTS

* FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODICALLY DURING THE TASK LISTED, AS DEFINED IN THE TABLE.

SPECIAL INSPECTION PROGRAM FOOTNOTES:
1. PROVIDE SPECIAL INSPECTION, SPECIAL TESTING, REPORTING AND COMPLIANCE PROCEDURES ACCORDING TO CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
2. SPECIAL INSPECTOR QUALIFICATIONS: DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION IN QUESTION.
3. PRIOR TO THE BEGINNING OF CONSTRUCTION, REVIEW THE SPECIAL INSPECTION REQUIREMENTS WITH THE ARCHITECT, ENGINEER, BUILDING OFFICIAL, GENERAL CONTRACTOR AND SPECIAL INSPECTORS.
4. DUTIES OF THE SPECIAL INSPECTOR INCLUDE, BUT ARE NOT LIMITED TO:
   A. OBSERVE THE WORK FOR CONFORMANCE WITH THE APPROVED PERMIT DRAWINGS AND SPECIFICATIONS. BRING DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE ENGINEER AND TO THE BUILDING OFFICIAL.
   B. FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE ARCHITECT, ENGINEER, GENERAL CONTRACTOR AND COR IN A TIMELY MANNER.
   C. SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED, AND WHETHER THE WORK IS IN CONFORMANCE WITH THE APPROVED PERMIT DRAWINGS AND SPECIFICATIONS.
5. DUTIES OF THE GENERAL CONTRACTOR INCLUDE, BUT ARE NOT LIMITED TO:
   A. NOTIFY SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST 24 HOURS BEFORE INSPECTION IS REQUIRED.
   B. MAINTAIN ACCESS TO WORK REQUIRING SPECIAL INSPECTION UNTIL IT HAS BEEN OBSERVED AND INDICATED TO BE IN CONFORMANCE BY THE SPECIAL INSPECTOR AND APPROVED BY THE BUILDING OFFICIAL.
   C. PROVIDE THE SPECIAL INSPECTOR WITH ACCESS TO APPROVED PERMIT DRAWINGS AND SPECIFICATIONS AT THE JOB SITE.
   D. MAINTAIN JOB-SITE COPIES OF ALL REPORTS SUBMITTED BY THE SPECIAL INSPECTOR.
6. DEFINITIONS:
   A. CONTINUOUS INSPECTION: THE SPECIAL INSPECTOR IS OBSERVING THE WORK REQUIRING SPECIAL INSPECTION AT ALL TIMES.
   B. PERIODIC INSPECTION: THE SPECIAL INSPECTOR IS ON SITE AS REQUIRED TO CONFIRM THAT THE WORK REQUIRING SPECIAL INSPECTION IS IN CONFORMANCE.

SPECIAL TESTING REQUIREMENTS
1. STRUCTURAL FILL OR BACK-FILL: VERIFY COMPACTION WITH RANDOM FIELD DENSITY TESTS.
2. STRUCTURAL CONCRETE: SAMPLE AND TEST ACCORDING TO STRUCTURAL NOTES.

Revisions:	Date:

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05/24/2022
EXP: 05/31/2022

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

DRAWING TITLE: BUILDING T296 PLANS
APPROVED: Project Director
PHASE: 100% CONSTRUCTION DOCUMENTS
FLS: FULLY SPRINKLERED
PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES
LOCATION: FORT MEADE, SOUTH DAKOTA
ISSUE DATE: 05/25/2022
CHECKED BY: CNB
DRAWN BY: ATW
PROJECT NUMBER: 568-21-701
BUILDING NUMBER: BLDG T296
DRAWING NUMBER: 296-SF-100

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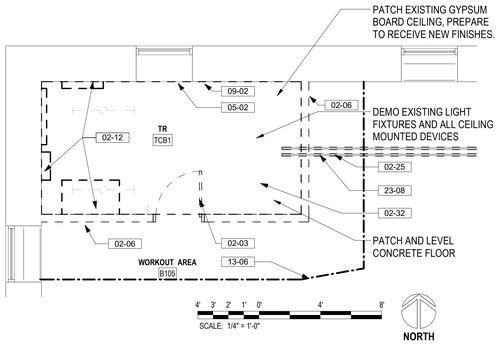
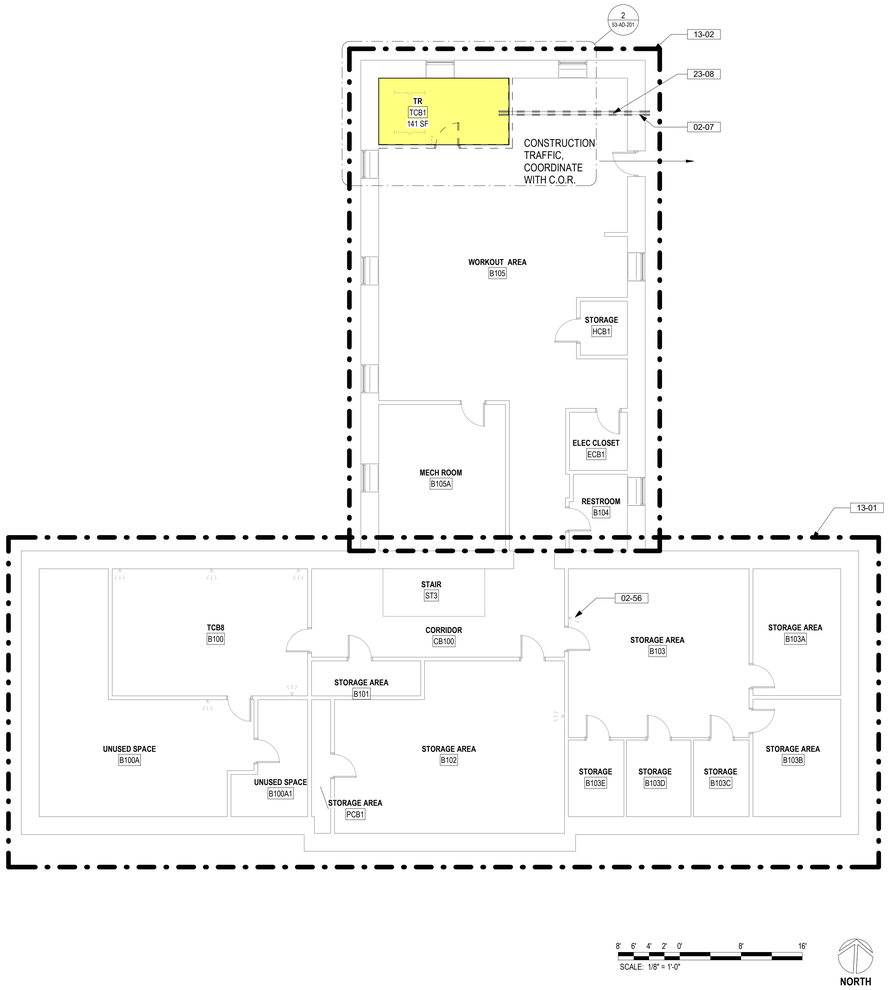


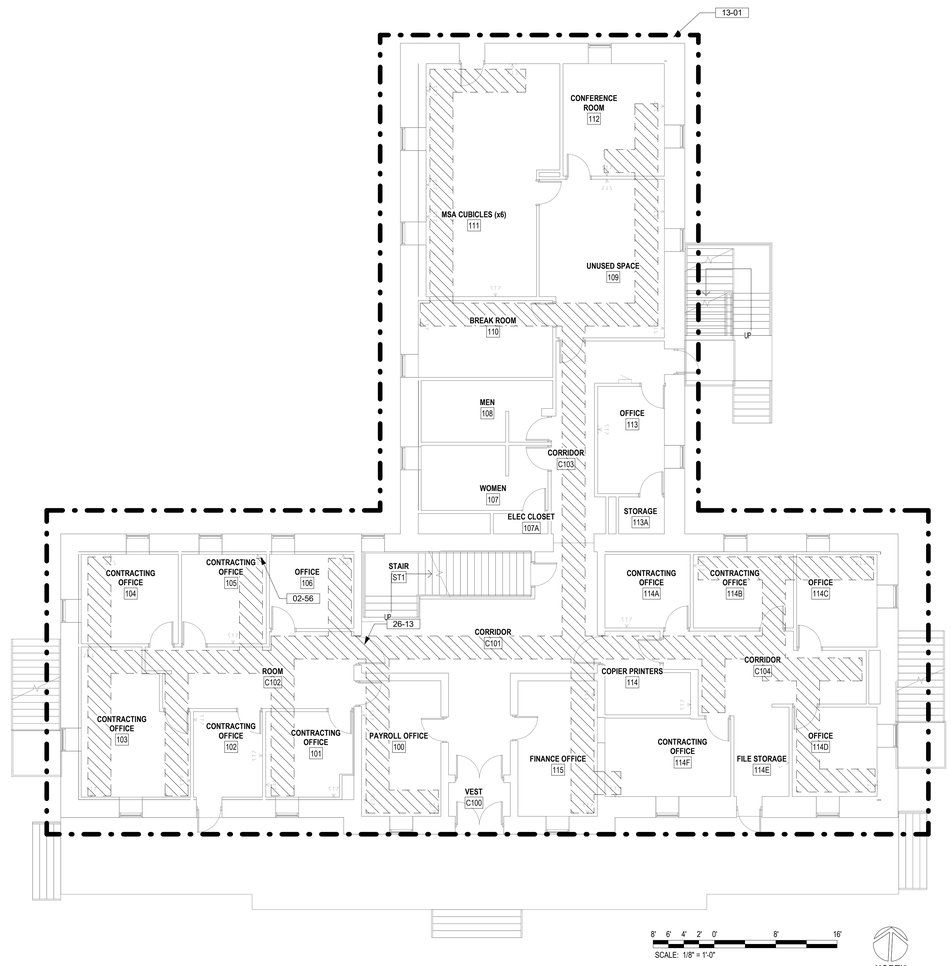
2 BASEMENT TCB1 DEMOLITION PLAN

1/4" = 1'-0"



1 53 - BASEMENT DEMOLITION FLOOR PLAN

1/8" = 1'-0"



3 53 - LEVEL 1 FLOOR PLAN

1/8" = 1'-0"

DEMOLITION LEGEND

- INDICATES BUILT ITEM TO BE REMOVED
- INDICATES LIGHT FIXTURE TO BE REMOVED
- INDICATES EXTENT OF ICRA CLASS SCOPE
- CABLE INSTALLATION ROUTE, FIELD VERIFY CONDITIONS PRIOR TO COMMENCEMENT OF WORK, SEE TELECOMM DRAWINGS FOR EXTENT OF WORK

DEMOLITION GENERAL NOTES

1. SEE G SERIES SHEETS FOR ALL DEMOLITION NOTES & HAZARDOUS MATERIAL NOTES
2. MAINTAIN FIRE SUPPRESSION SYSTEM OPERATIONAL DURING CONSTRUCTION WORK. FIRE SUPPRESSION CONTRACTOR TO REMOVE DOWNWARD HEADS AND TURN UPWARS, PROVIDE NEW FIRE SUPPRESSION HEAD IN TELECOMMUNICATION ROOMS (TR). WORK TO BE CONDUCTED WITHIN ONE WORKING SHIFT. SEE ADDITIONAL PROJECT NOTES ON COVER SHEET.

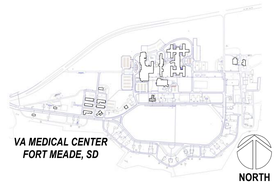
KEY NOTES

02-03	CAREFULLY REMOVE EXISTING DOOR, FRAME AND HARDWARE, RETURN TO OWNER
02-06	DEMO EXISTING WALL IN ITS ENTIRETY INCLUDING ANY WALL MOUNTED DEVICES, TERMINATE CONDUITS AT NEAREST J-BOX, PREP FLOOR TO RECEIVE NEW FINISH
02-07	CORE DRILL EXISTING WALL AND PREPARE FOR PLUMBING PIPE INSTALLATION; COORDINATE WITH MECHANICAL DRAWINGS; SEAL AND MAINTAIN WALL ENVELOPE AND INTEGRITY AFTER COMPLETION OF WORK
02-12	DEMO/RELOCATE EXISTING ELECTRICAL PANELS, SEE ELECTRICAL AND TELECOM DRAWINGS
02-25	CORE DRILL THROUGH FLOOR NEW PIPE OR CONDUIT INSTALLATION; APPLY APPROPRIATE HILTI FIRE RATED SEAL FOR TYPE OF PENETRATION; SEE MEP OR TELECOM DRAWINGS FOR COORDINATION
02-32	INSTALL SELF LEVELING COMPOUND FULL EXTENT OF FLOORING REMOVAL, PREPARE TO RECEIVE NEW FINISHES IN TR ROOM. SEAL OTHERWISE
02-56	CONTRACTOR TO ROUTE CONDUIT IN LEAST DESTRUCTIVE MANNER TO LOCATIONS AS INDICATED IN TELECOMMUNICATION DRAWINGS, CONTRACTOR TO BE RESPONSIBLE TO VISIT SITE AND UNDERSTAND ROUTING AND MATERIAL TREATMENT; PATCH AND FINISH TO MATCH EXISTING MATERIALS; TYPICAL AT ALL DATA DROP LOCATIONS
05-02	SECURITY GRILL: 2" x 2" x 10GA WIRE MESH WELDED TO 1 1/2" x 1 1/4" x 13GA ROLL FORMED ANGLE FRAME; PROVIDE 3" CLIPS, ANCHOR DIRECTLY ONTO EXISTING WALL; CONTRACTOR TO VERIFY ACTUAL WINDOW SIZE PRIOR TO GRILL FABRICATION
09-02	PATCH ALL DAMAGED WORK ON EXISTING SURFACES ABOVE AND BELOW CEILING TILES, PAINT ALL WALLS; PROVIDE NEW RESILIENT 6"H RESILIENT WALL BASE
13-01	ICRA CLASS I, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-02	ICRA CLASS II, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-06	INFECTION PREVENTION, FIRE RATED, 6MM PLASTIC BARRIER SEALED TOP, BOTTOM, AND SIDES. PROVIDE VESTIBULE AREA FOR GOWNING AND UNGOWNING AND NEGATIVE PRESSURE WITHIN CONSTRUCTION AREA IN ICRA CLASS IV. SEE SPECS FOR OTHER ICRA CONSTRUCTION REQUIREMENTS
23-08	NEW REFRIGERANT PIPE LINES ROUTING SHOWN FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR ACTUAL ROUTING; CONTRACTOR TO REMOVE CEILING TILES ALONG ROUTE OUTSIDE OF TR'S AND REPLACE WITHIN WORKING SHIFT. CONDUCT INFECTION PREVENTION MEASURES AS SPECIFIED.
26-13	NEW CABLE TRAY ROUTING SHOWN FOR REFERENCE ONLY. SEE TELECOMMUNICATION DRAWINGS FOR ACTUAL ROUTING. CONDUCT INFECTION PREVENTION MEASURES AS SPECIFIED.

ROOM ALLOCATION LEGEND

- PROPOSED NEW CABINET / TR / MCR LOCATION
- PROPOSED EXPANSION TO TR
- EXISTING TR WITH POWER AND FIBER UPGRADES, SEE TELECOM AND ELECTRICAL DRAWINGS
- ABANDONED ROOM
- ROOM TO REMAIN, NO WORK
- REMODEL REQUIRED DUE TO EHRM IMPACT

PROJECT KEY PLAN



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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: 53-DEMOLITION FLOOR PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
			BUILDING NUMBER: BLDG 53
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	DRAWING NUMBER: 53-AD-201
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: JPR	

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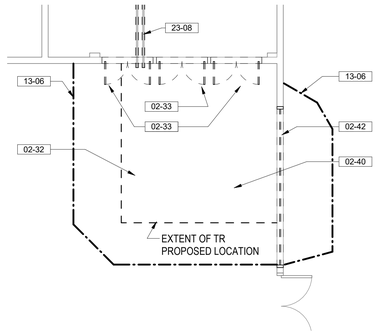
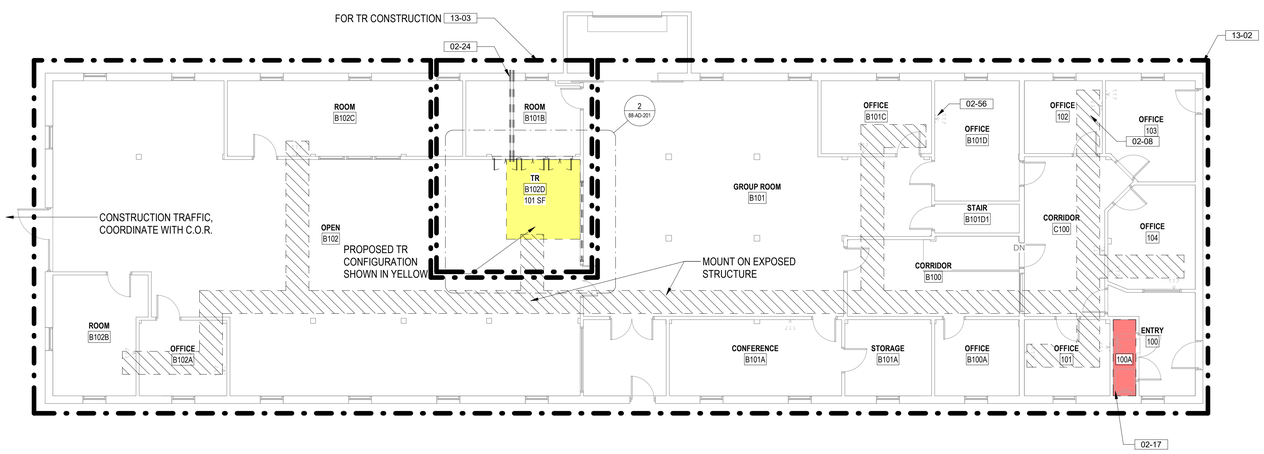


4' 3' 2' 1' 0' 4' 8'
SCALE: 1/4" = 1'-0"

PLAN NORTH

2 88 - LEVEL 1 ENLARGED DEMOLITION PLAN

1/4" = 1'-0"



8' 6' 4' 2' 0' 8' 16'
SCALE: 1/8" = 1'-0"

PLAN NORTH

1 88 - LEVEL 1 DEMOLITION FLOOR PLAN

1/8" = 1'-0"

DEMOLITION LEGEND

- INDICATES BUILT ITEM TO BE REMOVED
- INDICATES LIGHT FIXTURE TO BE REMOVED
- INDICATES EXTENT OF ICRA CLASS SCOPE
- CABLE INSTALLATION ROUTE, FIELD VERIFY CONDITIONS PRIOR TO COMMENCEMENT OF WORK, SEE TELECOM DRAWINGS FOR EXTENT OF WORK

DEMOLITION GENERAL NOTES

1. SEE G SERIES SHEETS FOR ALL DEMOLITION NOTES & HAZARDOUS MATERIAL NOTES
2. MAINTAIN FIRE SUPPRESSION SYSTEM OPERATIONAL DURING CONSTRUCTION WORK. FIRE SUPPRESSION CONTRACTOR TO REMOVE DOWNWARD HEADS AND TURN UPWARS, PROVIDE NEW FIRE SUPPRESSION HEAD IN TELECOMMUNICATION ROOMS (TR). WORK TO BE CONDUCTED WITHIN ONE WORKING SHIFT. SEE ADDITIONAL PROJECT NOTES ON COVER SHEET.

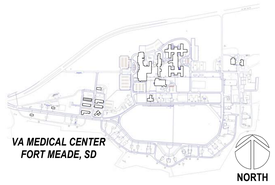
KEY NOTES

02-08	CAREFULLY REMOVE CEILING TILES AND OTHER CEILING MOUNTED DEVICES ALONG ABOVE CEILING WORK ROUTE, CAREFULLY STORE IN NON-TRAFFICKED AREA AND PREPARE FOR REINSTALLATION AT COMPLETION OF WORK.
02-17	PATCH/REPAIR ALL WALL DAMAGE TO UNDERSIDE OF STRUCTURAL DECK AND PREPARE FOR NEW FINISHES IF SPECIFIED, TYP.; EXTEND WALL TO DECK IF NOT IN PLACE. PATCH FIRE RATED WALLS WITH APPROPRIATE FIRE RATED SYSTEMS TO MAINTAIN EXISTING WALL INTEGRITY
02-24	CORE DRILL THROUGH MASONRY WALL AS REQUIRED, PROVIDE OPENING 1/2" LARGER THAN CONDUIT SIZE, SEE MECHANICAL AND/OR TELECOM DRAWINGS FOR CONDUIT SIZE AND QUANTITIES. PATCH AND SEAL ALL NEW PENETRATIONS. APPLY APPROPRIATE HILTI FIRE RATED SEAL FOR TYPE OF PENETRATION AT RATED WALL CONDITION.
02-32	INSTALL SELF LEVELING COMPOUND FULL EXTENT OF FLOORING REMOVAL, PREPARE TO RECEIVE NEW FINISHES IN TR ROOM. SEAL OTHERWISE
02-33	DEMO EXISTING BUILT-IN CABINETS IN THEIR ENTIRETY, INFILL WITH 3 5/8" METAL STUDS AND 5/8" TYPE 'X' GYPSUM BOARD, SPACKLE AS REQUIRED TO ACHIEVE A UNIFORM SMOOTH APPEARANCE, PREPARE TO RECEIVE NEW FINISHES.
02-40	FLOORING IS SUSPECT TO BE ASBESTOS CONTAINING MATERIAL. FOLLOW INDUSTRIAL HYGIENIST AND ABATEMENT PROTOCOLS AS PER ACM REPORT.
02-42	DEMO EXISTING WINDOW AND PERIMETER TRIM, INFIL WITH METAL STUDS AND 5/8" TYPE 'X' GYSPUM AS REQUIRED TO MATCH EXISTING WALL THICKNESS; PREPARE TO RECEIVE NEW FINISHES.
02-56	CONTRACTOR TO ROUTE CONDUIT IN LEAST DESTRUCTIVE MANNER TO LOCATIONS AS INDICATED IN TELECOMMUNICATION DRAWINGS. CONTRACTOR TO BE RESPONSIBLE TO VISIT SITE AND UNDERSTAND ROUTING AND MATERIAL TREATMENT; PATCH AND FINISH TO MATCH EXISTING MATERIALS; TYPICAL AT ALL DATA DROP LOCATIONS
13-02	ICRA CLASS II. SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-03	ICRA CLASS III. SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-06	INFECTION PREVENTION, FIRE RATED, 6MM PLASTIC BARRIER SEALED TOP, BOTTOM, AND SIDES. PROVIDE VESTIBULE AREA FOR GOWNING AND UNGOWNING AND NEGATIVE PRESSURE WITHIN CONSTRUCTION AREA IN ICRA CLASS IV. SEE SPECS FOR OTHER ICRA CONSTRUCTION REQUIREMENTS
23-08	NEW REFRIGERANT PIPE LINES ROUTING SHOWN FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR ACTUAL ROUTING; CONTRACTOR TO REMOVE CEILING TILES ALONG ROUTE OUTSIDE OF TR'S AND REPLACE WITHIN WORKING SHIFT. CONDUCT INFECTION PREVENTION MEASURES AS SPECIFIED.

ROOM ALLOCATION LEGEND

- PROPOSED NEW CABINET / TR / MCR LOCATION
- PROPOSED EXPANSION TO TR
- EXISTING TR WITH POWER AND FIBER UPGRADES, SEE TELECOM AND ELECTRICAL DRAWINGS
- ABANDONED ROOM
- ROOM TO REMAIN, NO WORK
- REMODEL REQUIRED DUE TO EHRM IMPACT

PROJECT KEY PLAN



VA MEDICAL CENTER
FORT MEADE, SD

NORTH

Revisions:	Date:

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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: 88-DEMOLITION FLOOR PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: BLDG 88
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: JPR	DRAWING NUMBER: 88-AD-201

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DEMOLITION LEGEND

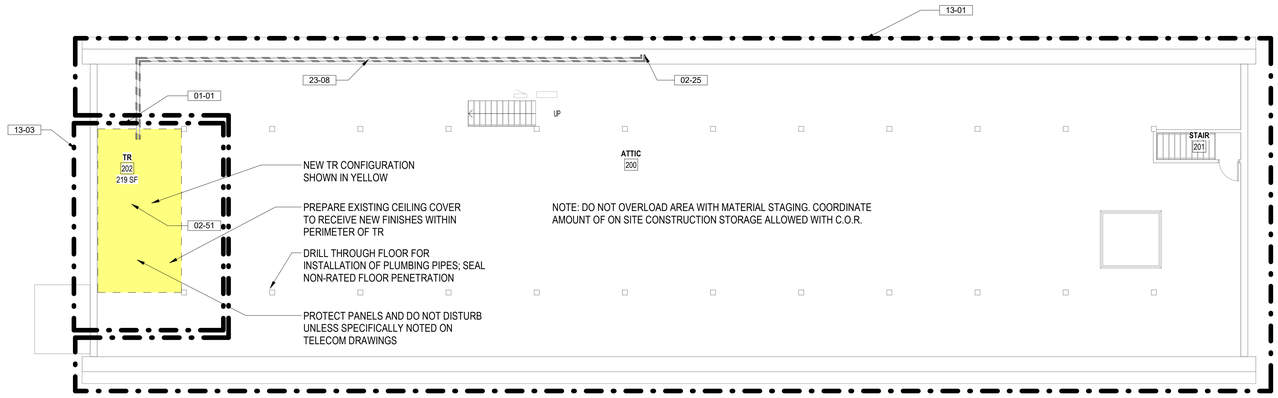
- INDICATES BUILT ITEM TO BE REMOVED
- INDICATES LIGHT FIXTURE TO BE REMOVED
- INDICATES EXTENT OF ICRA CLASS SCOPE
- CABLE INSTALLATION ROUTE, FIELD VERIFY CONDITIONS PRIOR TO COMMENCEMENT OF WORK. SEE TELECOMM DRAWINGS FOR EXTENT OF WORK

DEMOLITION GENERAL NOTES

1. SEE G SERIES SHEETS FOR ALL DEMOLITION NOTES & HAZARDOUS MATERIAL NOTES
2. MAINTAIN FIRE SUPPRESSION SYSTEM OPERATIONAL DURING CONSTRUCTION WORK. FIRE SUPPRESSION CONTRACTOR TO REMOVE DOWNWARD HEADS AND TURN UPWARS, PROVIDE NEW FIRE SUPPRESSION HEAD IN TELECOMMUNICATION ROOMS (TR). WORK TO BE CONDUCTED WITHIN ONE WORKING SHIFT. SEE ADDITIONAL PROJECT NOTES ON COVER SHEET.

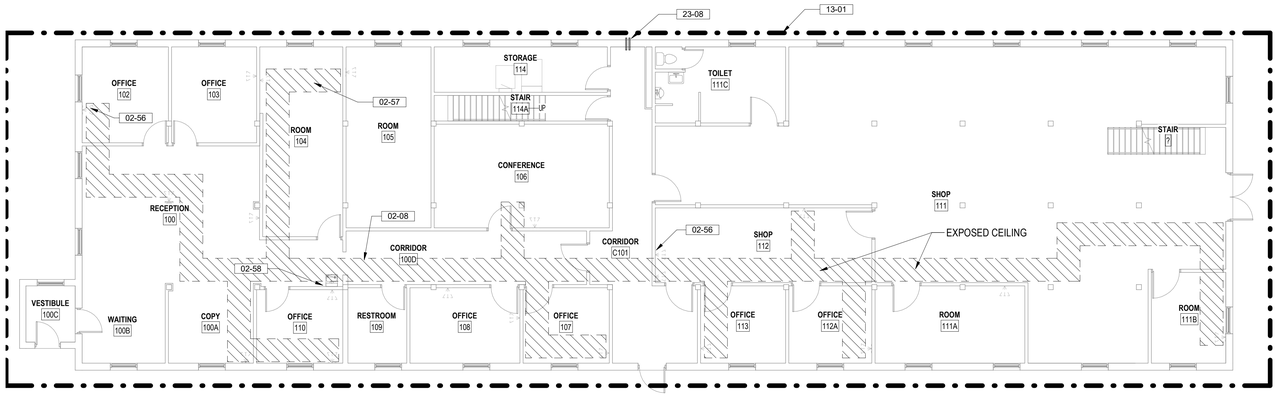
KEYNOTES

01-01	CLEAN UP AREA AROUND PROPOSED WALL MOUNTED CABINET LOCATION; COORDINATE WITH C.O.R. FOR RELOCATION OR REMOVAL OF INSTALLATION OBSTRUCTING ITEMS.
02-08	CAREFULLY REMOVE CEILING TILES AND OTHER CEILING MOUNTED DEVICES ALONG ABOVE CEILING WORK ROUTE. CAREFULLY STORE IN NON-TRAFFICKED AREA AND PREPARE FOR REINSTALLATION AT COMPLETION OF WORK
02-25	CORE DRILL THROUGH FLOOR NEW PIPE OR CONDUIT INSTALLATION; APPLY APPROPRIATE HILTI FIRE RATED SEAL FOR TYPE OF PENETRATION; SEE MEP OR TELECOM DRAWINGS FOR COORDINATION
02-51	CLEAN EXISTING FLOOR, INSTALL 1/4" SUBFLOORING AND PREPARE FOR NEW FINISHES
02-56	CONTRACTOR TO ROUTE CONDUIT IN LEAST DESTRUCTIVE MANNER TO LOCATIONS AS INDICATED IN TELECOMMUNICATION DRAWINGS, CONTRACTOR TO BE RESPONSIBLE TO VISIT SITE AND UNDERSTAND ROUTING AND MATERIAL TREATMENT, PATCH AND FINISH TO MATCH EXISTING MATERIALS; TYPICAL AT ALL DATA DROP LOCATIONS
02-57	REMOVE CEILING TILES AS SPECIFIED IN ICRA GUIDELINES PER RISK CLASSIFICATION NOTED FOR CABLING INSTALLATION. COORDINATE EXTENT OF WORK WITH TELECOMMUNICATION DRAWINGS
02-58	REMOVE CEILING TILE AND SELECTIVE GYPSUM BOARD TO ALLOW INSTALLATION OF PLUMBING LINES, PATCH AND PREPARE TO RECEIVE NEW PAINT TO MATCH EXISTING.
13-01	ICRA CLASS I, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-03	ICRA CLASS III, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
23-08	NEW REFRIGERANT PIPE LINES ROUTING SHOWN FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR ACTUAL ROUTING; CONTRACTOR TO REMOVE CEILING TILES ALONG ROUTE OUTSIDE OF TR'S AND REPLACE WITHIN WORKING SHIFT. CONDUCT INFECTION PREVENTION MEASURES AS SPECIFIED.



8' 6' 4' 2' 0' 8' 16'
SCALE: 1/8" = 1'-0"
NORTH

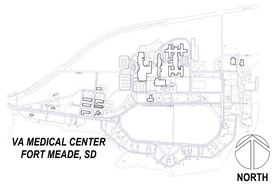
2 LEVEL 2 DEMOLITION FLOOR PLAN
1/8" = 1'-0"



8' 6' 4' 2' 0' 8' 16'
SCALE: 1/8" = 1'-0"
NORTH

1 LEVEL 1 DEMOLITION FLOOR PLAN
1/8" = 1'-0"

PROJECT KEY PLAN



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STATE OF MONTANA · BILLINGS · ERIC RICCI ASPIN · 49844 · MONTANA · LICENSED ARCHITECT

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: 89-DEMOLITION FLOOR PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: BLDG 89
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: JPR	DRAWING NUMBER: 89-AD-201

VA FORM 08 - 6231

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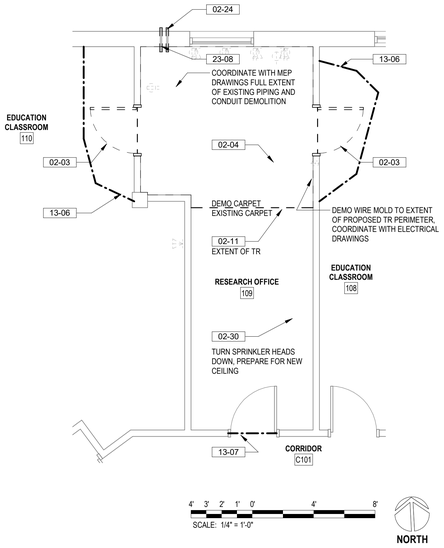
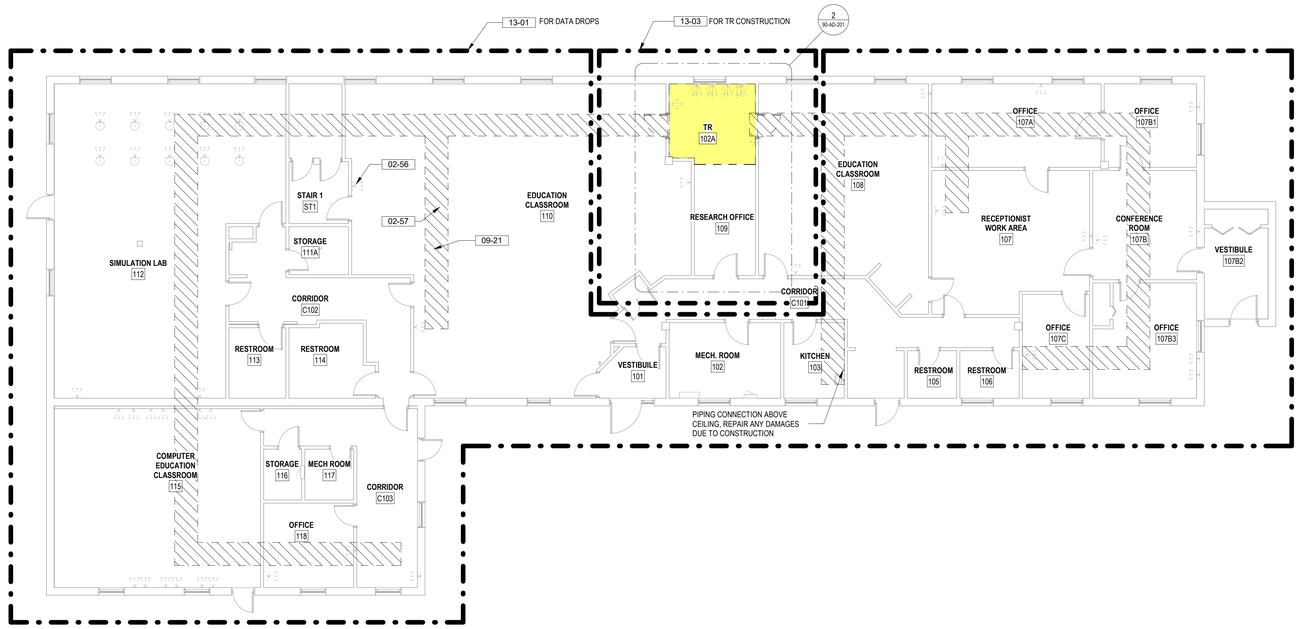


2 90 - LEVEL 1 ENLARGED DEMOLITION PLAN

1/4" = 1'-0"



1 90 - LEVEL 1 DEMOLITION FLOOR PLAN

1/8" = 1'-0"

DEMOLITION LEGEND

- INDICATES BUILT ITEM TO BE REMOVED
- INDICATES LIGHT FIXTURE TO BE REMOVED
- INDICATES EXTENT OF ICRA CLASS SCOPE
- CABLE INSTALLATION ROUTE, FIELD VERIFY CONDITIONS PRIOR TO COMMENCEMENT OF WORK, SEE TELECOM DRAWINGS FOR EXTENT OF WORK

DEMOLITION GENERAL NOTES

1. SEE G SERIES SHEETS FOR ALL DEMOLITION NOTES & HAZARDOUS MATERIAL NOTES
2. MAINTAIN FIRE SUPPRESSION SYSTEM OPERATIONAL DURING CONSTRUCTION WORK. FIRE SUPPRESSION CONTRACTOR TO REMOVE DOWNWARD HEADS AND TURN UPWARS, PROVIDE NEW FIRE SUPPRESSION HEAD IN TELECOMMUNICATION ROOMS (TR). WORK TO BE CONDUCTED WITHIN ONE WORKING SHIFT. SEE ADDITIONAL PROJECT NOTES ON COVER SHEET.

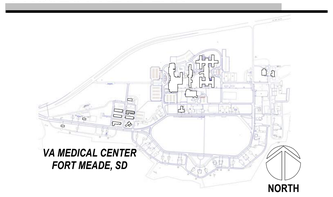
KEYNOTES

02-03	CAREFULLY REMOVE EXISTING DOOR, FRAME AND HARDWARE, RETURN TO OWNER
02-04	DEMO CARPET, BASE, AND ADHESIVES; PREPARE FLOOR FOR NEW STATIC DISSIPATIVE RESILIENT FLOORING AND BASE
02-11	EXTENT OF DEMOLITION WORK SHOWN DASHED
02-24	CORE DRILL THROUGH MASONRY WALL AS REQUIRED, PROVIDE OPENING 1/2" LARGER THAN CONDUIT SIZE. SEE MECHANICAL AND/OR TELECOM DRAWINGS FOR CONDUIT SIZE AND QUANTITES. PATCH AND SEAL ALL NEW PENETRATIONS. APPLY APPROPRIATE HILTI FIRE RATED SEAL FOR TYPE OF PENETRATION AT RATED WALL CONDITION.
02-30	DEMO EXISTING CEILING TILE, LIGHT FIXTURES AND ANY CEILING MOUNTED DEVICES; REMOVE EXISTING SPRINKLER HEADS AND TURN UP DISCHARGE PIPE; PROVIDE NEW FIRE SUPPRESSION HEADS AT EXPOSED CONDITIONS
02-56	CONTRACTOR TO ROUTE CONDUIT IN LEAST DESTRUCTIVE MANNER TO LOCATIONS AS INDICATED IN TELECOMMUNICATION DRAWINGS. CONTRACTOR TO BE RESPONSIBLE TO VISIT SITE AND UNDERSTAND ROUTING AND MATERIAL TREATMENT; PATCH AND FINISH TO MATCH EXISTING MATERIALS; TYPICAL AT ALL DATA DROP LOCATIONS
02-57	REMOVE CEILING TILES AS SPECIFIED IN ICRA GUIDELINES PER RISK CLASSIFICATION NOTED FOR CABLING INSTALLATION. COORDINATE EXTENT OF WORK WITH TELECOMMUNICATION DRAWINGS
09-21	REMOVE AND RE-INSTALL CEILING TILES AND OTHER CEILING MOUNTED DEVICES AS NEEDED FOR INSTALLATION OF CABLES AND CONDUITS ABOVE CEILING AS PER TELECOM DRAWINGS, REPLACE ALL DAMANGED TILES TO MATCH EXISTING AND REINSTALL ALL DEVICES AS NEEDED. DO NOT LEAVE CEILING TILES UNINSTALLED AND UNATTENDED PAST DURATION OF WORKING SHIFT. CONTINUOUSLY REINSTALL TILES TO PROVIDE SEALED SMOKE ASSEMBLY.
13-01	ICRA CLASS I, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-03	ICRA CLASS III, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-06	INFECTION PREVENTION, FIRE RATED, 6MM PLASTIC BARRIER SEALED TOP, BOTTOM, AND SIDES. PROVIDE VESTIBULE AREA FOR GOWNING AND UNGOWNING AND NEGATIVE PRESSURE WITHIN CONSTRUCTION AREA IN ICRA CLASS IV. SEE SPECS FOR OTHER ICRA CONSTRUCTION REQUIREMENTS
13-07	SEAL PERIMETER OF DOOR TO MAINTAIN NEGATIVE PRESSURE WITHIN CONSTRUCTION AREA; PROTECT FINISH DURING CONSTRUCTION
23-08	NEW REFRIGERANT PIPE LINES ROUTING SHOWN FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR ACTUAL ROUTING; CONTRACTOR TO REMOVE CEILING TILES ALONG ROUTE OUTSIDE OF TR'S AND REPLACE WITHIN WORKING SHIFT. CONDUCT INFECTION PREVENTION MEASURES AS SPECIFIED.

ROOM ALLOCATION LEGEND

- PROPOSED NEW CABINET / TR / MCR LOCATION
- PROPOSED EXPANSION TO TR
- EXISTING TR WITH POWER AND FIBER UPGRADES, SEE TELECOM AND ELECTRICAL DRAWINGS
- ABANDONED ROOM
- ROOM TO REMAIN, NO WORK
- REMODEL REQUIRED DUE TO EHRM IMPACT

PROJECT KEY PLAN



Revisions:	Date:

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STATE OF MONTANA · BILLINGS · ERIC ALLEN HELDT · 6299 · MONTANA · LICENSED ARCHITECT

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: 90-DEMOLITION FLOOR PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: BLDG 90
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: JPR	DRAWING NUMBER: 90-AD-201

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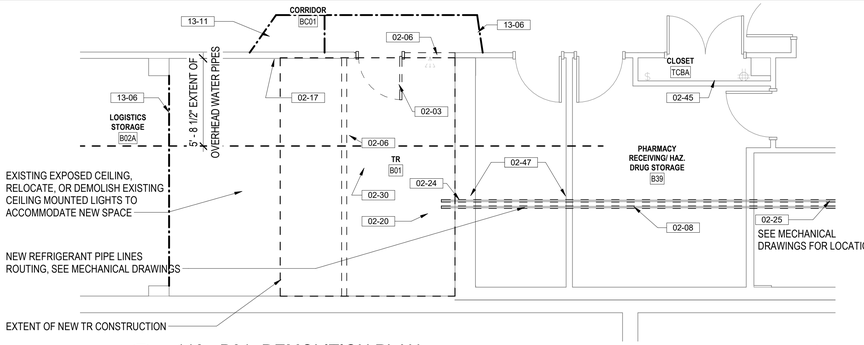
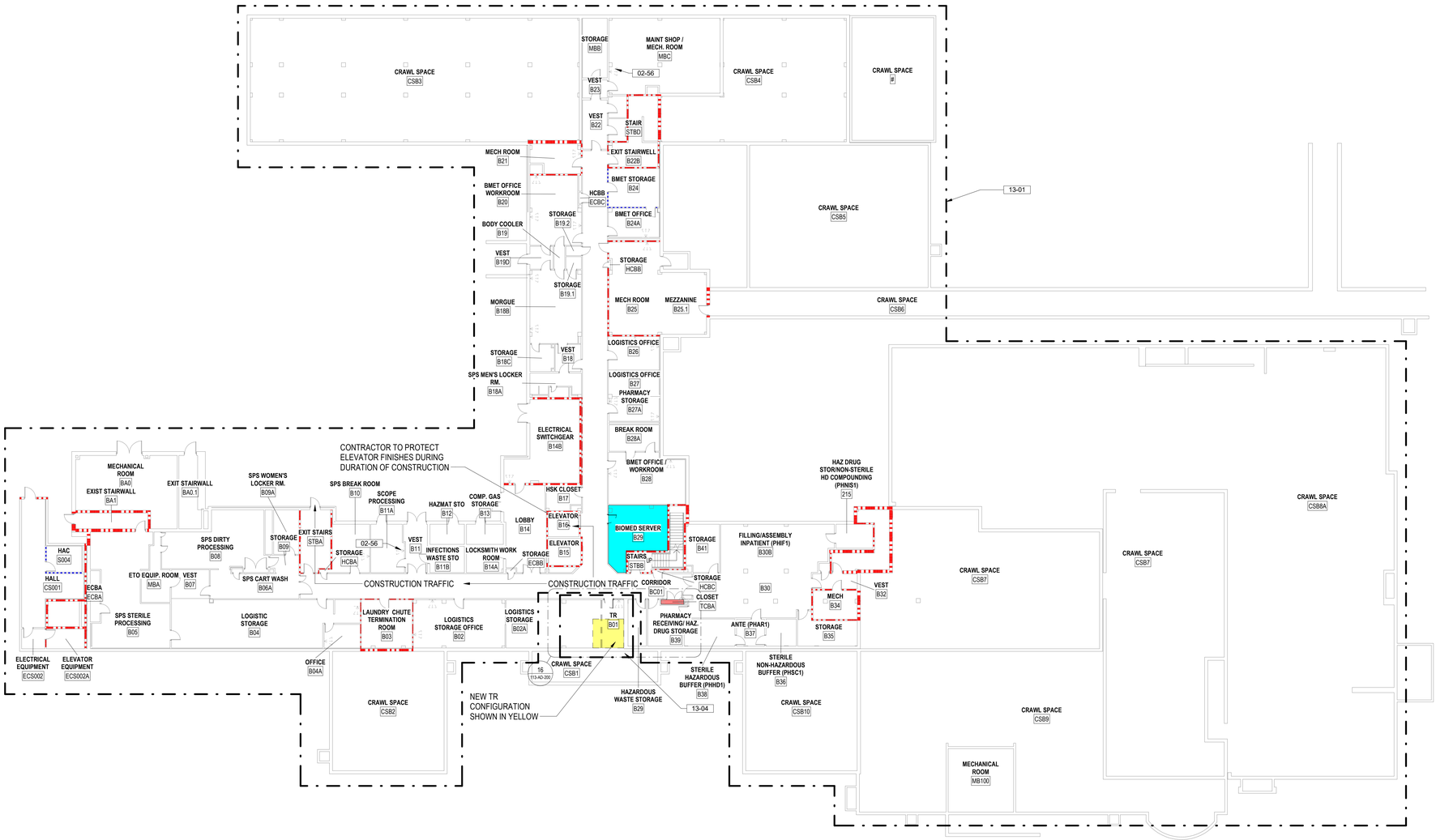


16 113 - B01- DEMOLITION PLAN
1/4" = 1'-0"

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

NORTH



1 113 - BASEMENT DEMOLITION FLOOR PLAN
1/16" = 1'-0"

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

NORTH

DEMOLITION LEGEND

- INDICATES BUILT ITEM TO BE REMOVED
- INDICATES LIGHT FIXTURE TO BE REMOVED
- INDICATES EXTENT OF ICRA CLASS SCOPE
- CABLE INSTALLATION ROUTE, FIELD VERIFY CONDITIONS PRIOR TO COMMENCEMENT OF WORK, SEE TELECOM DRAWINGS FOR EXTENT OF WORK

DEMOLITION GENERAL NOTES

1. SEE G SERIES SHEETS FOR ALL DEMOLITION NOTES & HAZARDOUS MATERIAL NOTES
2. IN HOSPITAL OCCUPANCY, CONTRACTOR ARE TO USE A CONSTRUCTION CONTAINMENT CUBE WITH HEPA VACUUM TO MAINTAIN NEGATIVE PRESSURE AS A MEANS TO ACCESS AREAS ABOVE CEILING TILES. THIS INCLUDES ALL PATIENT CORRIDORS AND ALL ACUTE CARE PATIENT AREAS. THIS IS IN CONJUNCTION WITH THE HOSPITALS INFECTION PREVENTION MEASURES AND ICRA PROTOCOLS.
3. MAINTAIN FIRE SUPPRESSION SYSTEM OPERATIONAL DURING CONSTRUCTION WORK. FIRE SUPPRESSION CONTRACTOR TO REMOVE DOWNWARD HEADS AND TURN UPWARS, PROVIDE NEW FIRE SUPPRESSION HEAD IN TELECOMMUNICATION ROOMS (TR). WORK TO BE CONDUCTED WITHIN ONE WORKING SHIFT. SEE ADDITIONAL PROJECT NOTES ON COVER SHEET.

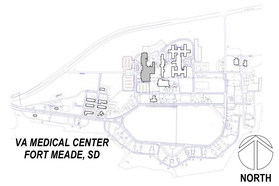
KEYNOTES

02-03	CAREFULLY REMOVE EXISTING DOOR, FRAME AND HARDWARE, RETURN TO OWNER.
02-06	DEMO EXISTING WALL IN ITS ENTIRETY INCLUDING ANY WALL MOUNTED DEVICES, TERMINATE CONDUITS AT NEAREST J-BOX, PREP FLOOR TO RECEIVE NEW FINISH
02-08	CAREFULLY REMOVE CEILING TILES AND OTHER CEILING MOUNTED DEVICES, CAREFULLY STORE IN NON-TRAFFICKED AREA AND PREPARE FOR REINSTALLATION AT COMPLETION OF WORK
02-17	PATCH/REPAIR ALL WALL DAMAGE AND PREPARE FOR NEW FINISHES, TYP. PRIME LOCATIONS OVERHEAD
02-20	DEMO FLOOR & FLOOR BASE, PATCH WALLS, PREPARE FOR NEW FINISHES
02-24	CORE DRILL THROUGH MASONRY WALL AS REQUIRED, PROVIDE OPENING 1/2" LARGER THAN CONDUIT SIZE. SEE TELECOM DRAWINGS FOR CONDUIT SIZE AND QUANTITES. PATCH AND ACOUSTICALLY SEAL ALL NEW PENETRATIONS. APPLY APPROPRIATE HILTI FIRE RATED SEAL FOR TYPE OF PENETRATION.
02-25	CORE DRILL THROUGH FLOOR TO FEED TELECOM CABLES; APPLY APPROPRIATE UL HILTI 2-HOUR FIRE RATED SEAL FOR TYPE OF PENETRATION SYSTEM SELECTED, SEE SPEC SECTION 07 84 00 FOR SUBMITTAL REQUIREMENTS
02-30	DEMO EXISTING CEILING TILE, LIGHT FIXTURES AND ANY CEILING MOUNTED DEVICES; REMOVE EXISTING SPRINKLER HEADS AND TURN UP DISCHARGE PIPE. PROVIDE NEW FIRE SUPPRESSION HEADS FOR EXPOSED CONDITIONS
02-45	DEMO WALL BASE AND PREPARE WALLS TO RECEIVE NEW FINISHES
02-47	REMOVE UNUSED CONDUITS FROM FLOOR, PATCH AND FILL, APPLY FLOOR LEVELING AS REQUIRED, PREPARE TO RECEIVE NEW FLOORING
02-56	CORE DRILL THROUGH CONCRETE SHEAR WALL TO INSTALL MECHANICAL DUCT WORK, SEE STRUCTRUAL DRAWINGS
13-01	ICRA CLASS I, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-04	ICRA CLASS IV, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-06	INFECTION PREVENTION, FIRE RATED, 6MM PLASTIC BARRIER SEALED TOP, BOTTOM, AND SIDES. PROVIDE VESTIBULE AREA FOR GOWNING AND UNGOWNING AND NEGATIVE PRESSURE WITHIN CONSTRUCTION AREA IN ICRA CLASS IV. SEE SPECS FOR OTHER ICRA CONSTRUCTION REQUIREMENTS; COORDINATE LOCATION OF TEMPORARY INFECTION PREVENTION BARRIER ITHE C.O.R. AND INFECTION PREVENTION REPRESENTATIVE.
13-11	INFECTION PREVENTION VESTIBULE WITH 24" X 36" TACK-MATTS AT EACH SIDE OF BARRIER AND HAND SANITIZER AT EACH CONSTRUCTION ACCESS LOCATION.

ROOM ALLOCATION LEGEND

- PROPOSED NEW CABINET / TR / MCR LOCATION
- PROPOSED EXPANSION TO TR
- EXISTING TR WITH POWER AND FIBER UPGRADES, SEE TELECOM AND ELECTRICAL DRAWINGS
- ABANDONED ROOM
- ROOM TO REMAIN, NO WORK
- REMODEL REQUIRED DUE TO EHRM IMPACT

PROJECT KEY PLAN



VA MEDICAL CENTER FORT MEADE, SD

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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: 113-BASEMENT DEMOLITION PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
			BUILDING NUMBER: BLDG 113
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	DRAWING NUMBER: 113-AD-200
		ISSUE DATE: 04/15/2022 · CHECKED BY: TMP · DRAWN BY: JPR	

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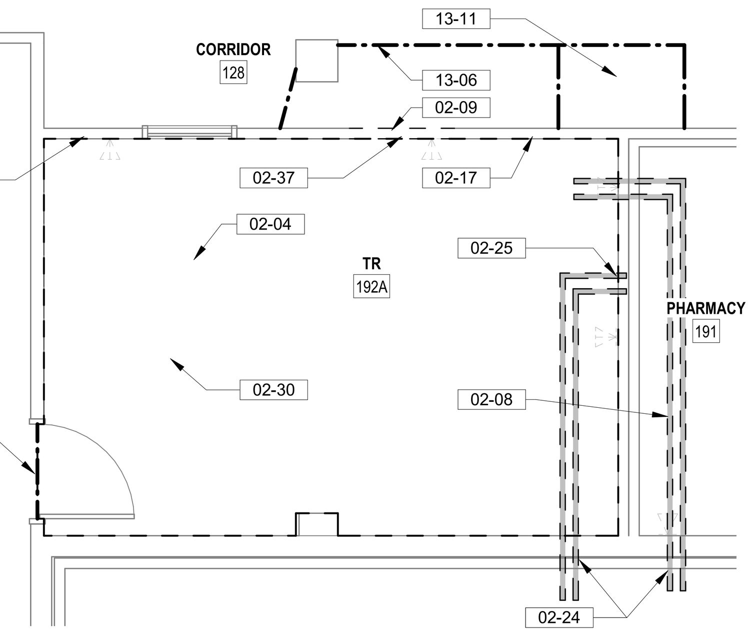
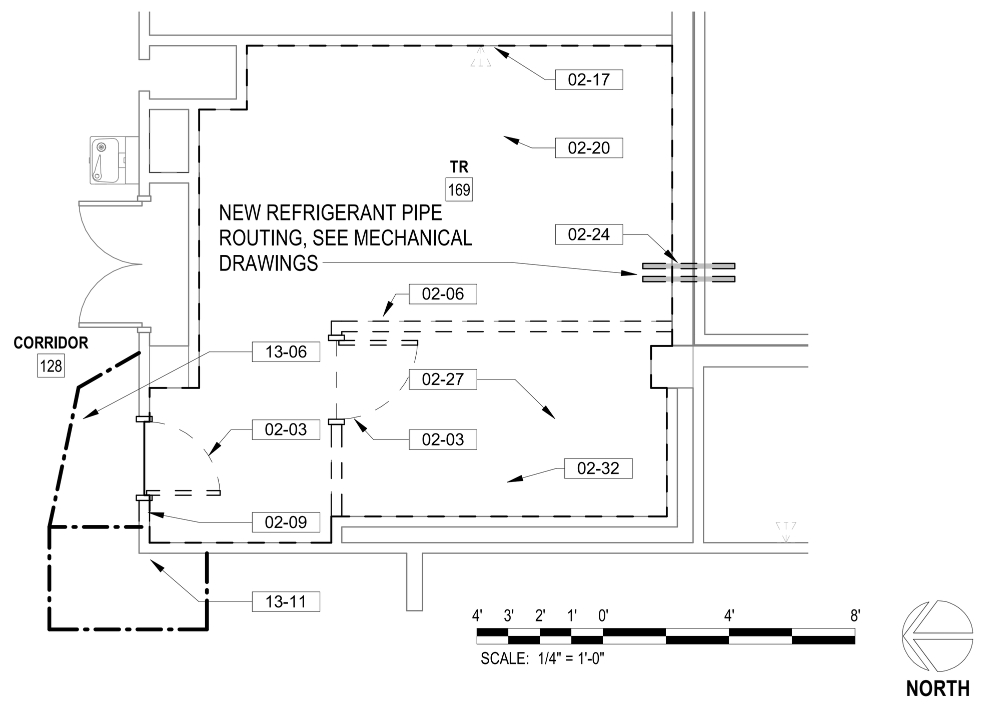
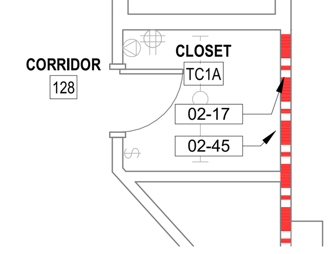


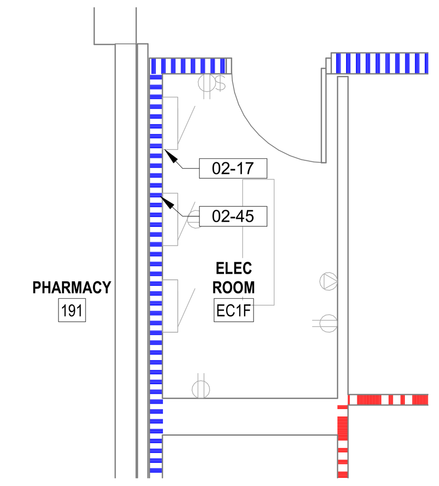
16 LEVEL 1 ROOM 192 DEMOLITION PLAN
1/4" = 1'-0"



11 LEVEL 1 ROOM 169 DEMOLITION PLAN
1/4" = 1'-0"



17 113 - TC1A DEMO PLAN
1/4" = 1'-0"



18 LEVEL 1 EC1F DEMO PLAN
1/4" = 1'-0"

DEMOLITION GENERAL NOTES

1. SEE G SERIES SHEETS FOR ALL DEMOLITION NOTES & HAZARDOUS MATERIAL NOTES
2. IN HOSPITAL OCCUPANCY, CONTRACTOR ARE TO USE A CONSTRUCTION CONTAINMENT CUBE WITH HEPA VACUUM TO MAINTAIN NEGATIVE PRESSURE AS A MEANS TO ACCESS AREAS ABOVE CEILING TILES. THIS INCLUDES ALL PATIENT CORRIDORS AND ALL ACUTE CARE PATIENT AREAS. THIS IS IN CONJUNCTION WITH THE HOSPITALS INFECTION PREVENTION MEASURES AND ICRA PROTOCOLS.
3. MAINTAIN FIRE SUPPRESSION SYSTEM OPERATIONAL DURING CONSTRUCTION WORK. FIRE SUPPRESSION CONTRACTOR TO REMOVE DOWNWARD HEADS AND TURN UPWARS, PROVIDE NEW FIRE SUPPRESSION HEAD IN TELECOMMUNICATION ROOMS (TR). WORK TO BE CONDUCTED WITHIN ONE WORKING SHIFT. SEE ADDITIONAL PROJECT NOTES ON COVER SHEET.

KEYNOTES

02-03	CAREFULLY REMOVE EXISTING DOOR, FRAME AND HARDWARE, RETURN TO OWNER.
02-04	DEMO CARPET, BASE, AND ADHESIVES; PREPARE FLOOR FOR NEW STATIC DISSIPATIVE RESILIENT FLOORING AND BASE
02-06	DEMO EXISTING WALL IN ITS ENTIRETY INCLUDING ANY WALL MOUNTED DEVICES, TERMINATE CONDUITS AT NEAREST J-BOX, PREP FLOOR TO RECEIVE NEW FINISH
02-08	CAREFULLY REMOVE CEILING TILES AND OTHER CEILING MOUNTED DEVICES, CAREFULLY STORE IN NON-TRAFFICKED AREA AND PREPARE FOR REINSTALLATION AT COMPLETION OF WORK
02-09	DEMO WALL AS REQUIRED TO RECEIVE NEW DOOR AND FRAME
02-11	EXTENT OF DEMOLITION WORK SHOWN DASHED
02-17	PATCH/REPAIR ALL WALL DAMAGE AND PREPARE FOR NEW FINISHES, TYP. PRIME LOCATIONS OVERHEAD
02-20	DEMO FLOOR & FLOOR BASE, PATCH WALLS, PREPARE FOR NEW FINISHES
02-24	CORE DRILL THROUGH MASONRY WALL AS REQUIRED, PROVIDE OPENING 1/2" LARGER THAN CONDUIT SIZE, SEE TELECOM DRAWINGS FOR CONDUIT SIZE AND QUANTITES. PATCH AND ACOUSTICALLY SEAL ALL NEW PENETRATIONS. APPLY APPROPRIATE HILTI FIRE RATED SEAL FOR TYPE OF PENETRATION.
02-25	CORE DRILL THROUGH FLOOR TO FEED TELECOM CABLES; APPLY APPROPRIATE UL HILTI 2-HOUR FIRE RATED SEAL FOR TYPE OF PENETRATION SYSTEM SELECTED, SEE SPEC SECTION 07 84 00 FOR SUBMITTAL REQUIREMENTS
02-27	DEMO EXISTING TILE FLOOR, APPLY SELF LEVELING COMPOUND AND PREPARE TO RECEIVE NEW FLOORING.
02-30	DEMO EXISTING CEILING TILE, LIGHT FIXTURES AND ANY CEILING MOUNTED DEVICES; REMOVE EXISTING SPRINKLER HEADS AND TURN UP DISCHARGE PIPE, PROVIDE NEW FIRE SUPPRESSION HEADS FOR EXPOSED CONDITIONS
02-32	CORE THROUGH EXISTING GRADE BEAM FOR INSTALLATION OF PLUMBING DRAIN LINE FROM TRENCH DRAIN TO SUMP, COORDINATE WITH PLUMBING DRAWINGS FOR SIZE REQUIRED.
02-37	DEMO EXISTING WINDOW AND PERIMETER AS REQUIRED FOR INSTALLATION OF NEW DOOR
02-45	DEMO WALL BASE AND PREPARE WALLS TO RECEIVE NEW FINISHES
02-56	CORE DRILL THROUGH CONCRETE SHEAR WALL TO INSTALL MECHANICAL DUCT WORK, SEE STRUCTRUAL DRAWINGS
02-57	CONTRACTOR TO ROUTE CONDUIT IN LEAST DESTRUCTIVE MANNER TO LOCATIONS AS INDICATED IN TELECOMMUNICATION DRAWINGS, CONTRACTOR TO BE RESPONSIBLE TO VISIT SITE AND UNDERSTAND ROUTING AND MATERIAL TREATMENT; PATCH AND FINISH TO MATCH EXISTING MATERIALS; TYPICAL AT ALL DATA DROP LOCATIONS
13-03	ICRA CLASS III, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-04	ICRA CLASS IV, SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS
13-06	INFECTION PREVENTION, FIRE RATED, 6MM PLASTIC BARRIER SEALED TOP, BOTTOM, AND SIDES. PROVIDE VESTIBULE AREA FOR GOWNING AND UNGOWNING AND NEGATIVE PRESSURE WITHIN CONSTRUCTION AREA IN ICRA CLASS IV. SEE SPECS FOR OTHER ICRA CONSTRUCTION REQUIREMENTS; COORDINATE LOCATION OF TEMPORARY INFECTION PREVENTION BARRIER ITHE C.O.R. AND INFECTION PREVENTION REPRESENTATIVE.
13-07	SEAL PERIMETER OF DOOR TO MAINTAIN NEGATIVE PRESSURE WITHIN CONSTRUCTION AREA; PROTECT FINISH DURING CONSTRUCTION
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DEMOLITION LEGEND

- INDICATES BUILT ITEM TO BE REMOVED
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ROOM ALLOCATION LEGEND

- PROPOSED NEW CABINET / TR / MCR LOCATION
- PROPOSED EXPANSION TO TR
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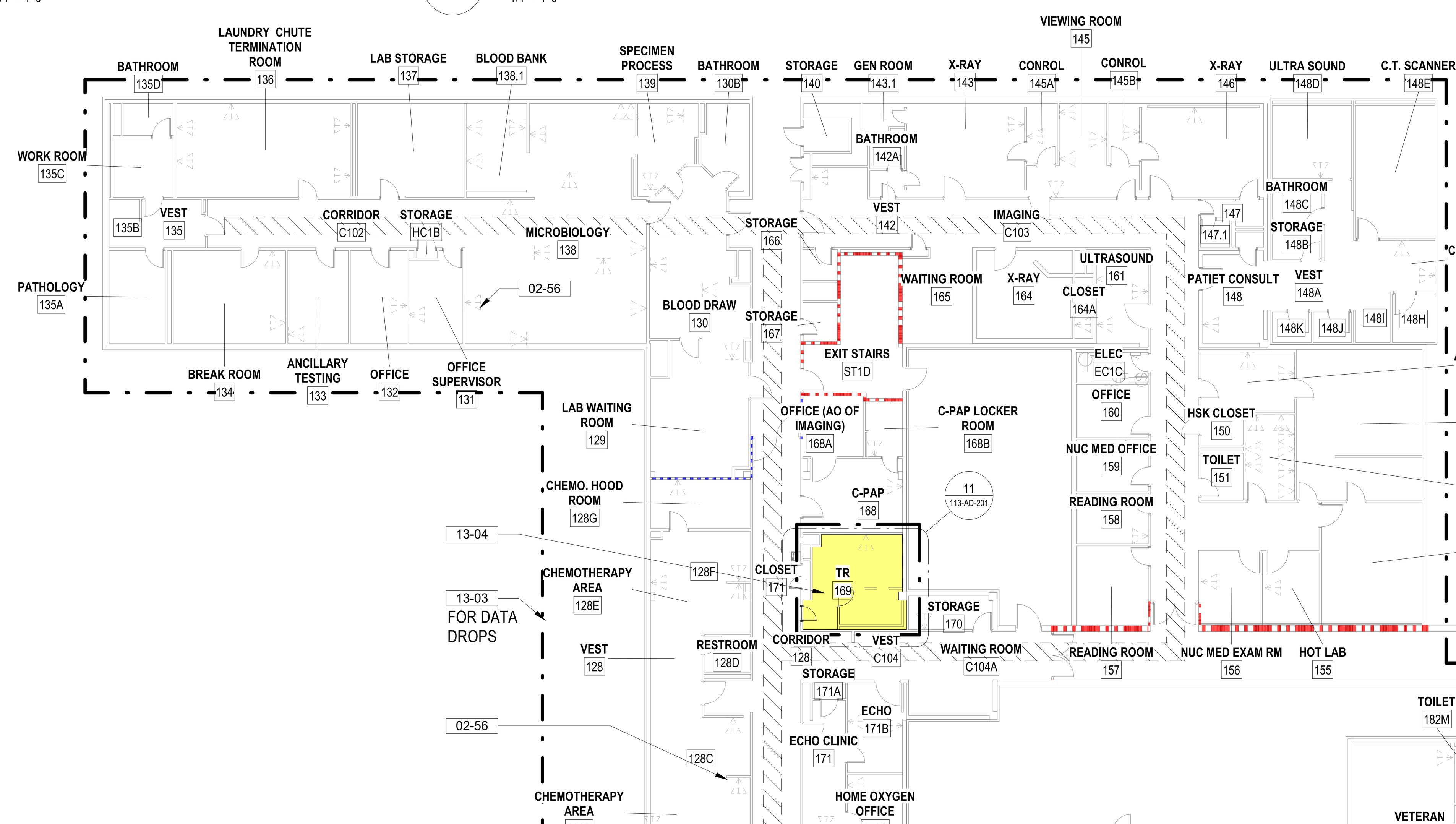
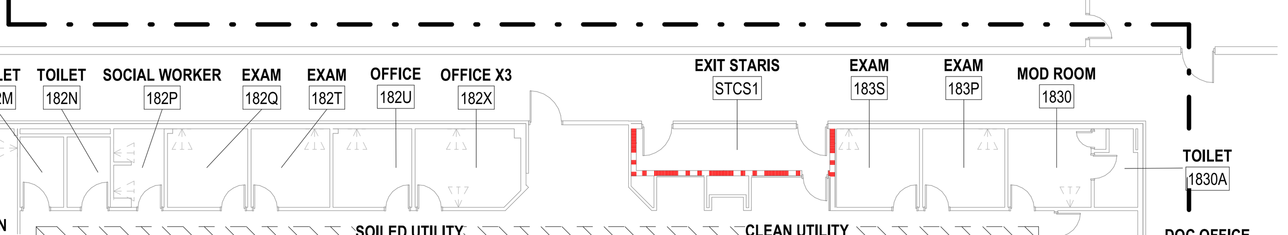
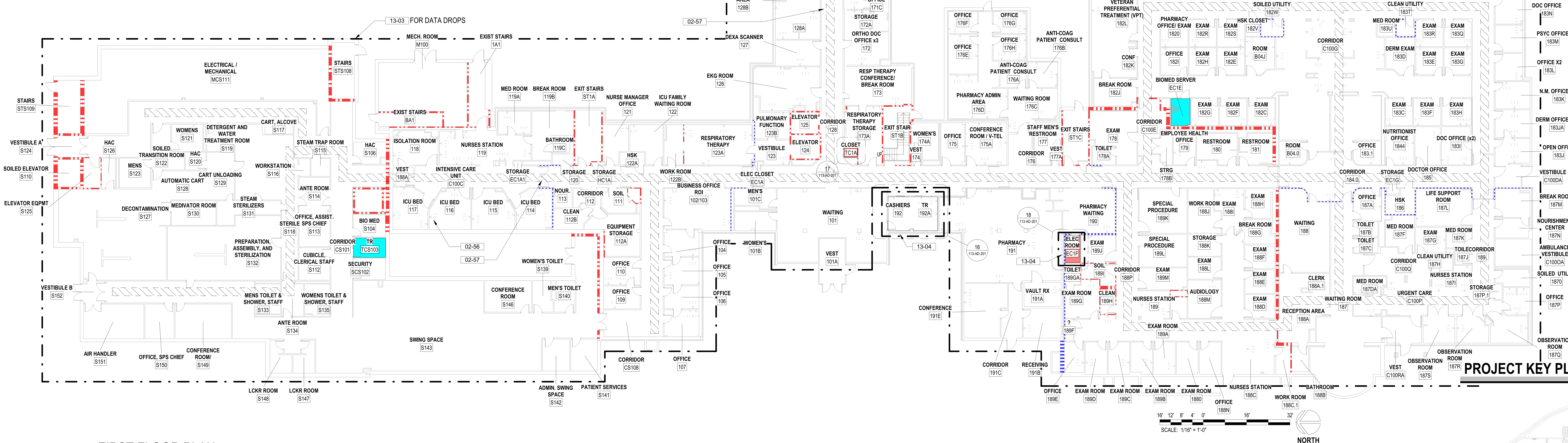
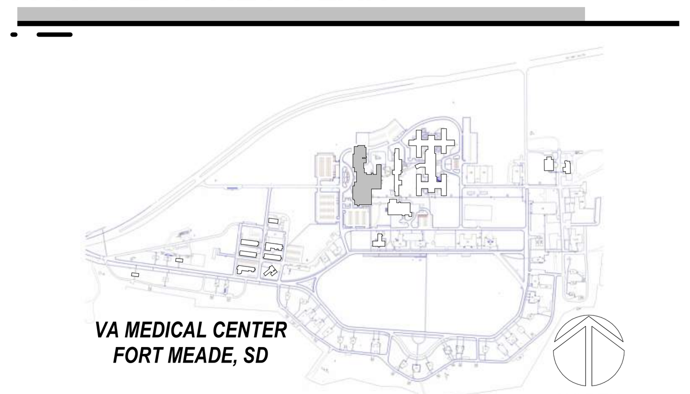
- ROOM TO REMAIN, NO WORK
- REMODEL REQUIRED DUE TO EHRM IMPACT

1 FIRST FLOOR PLAN
1/16" = 1'-0"

PROJECT KEY PLAN



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STATE OF MONTANA · BILLINGS · ERIC RICHARD ALAN HELDT · 2399 · MONTANA · LICENSED ARCHITECT

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

DRAWING TITLE: 113-LEVEL 1 DEMOLITION PLAN
APPROVED: Project Director
PHASE: 100% CONSTRUCTION DOCUMENTS
FLS: FULLY SPRINKLERED
PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES
LOCATION: FORT MEADE, SOUTH DAKOTA
ISSUE DATE: 04/15/2022
CHECKED BY: TMP
DRAWN BY: JPR
PROJECT NUMBER: 568-21-701
BUILDING NUMBER: BLDG 113
DRAWING NUMBER: 113-AD-201

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VA FORM 08 - 6231

DEMOLITION LEGEND

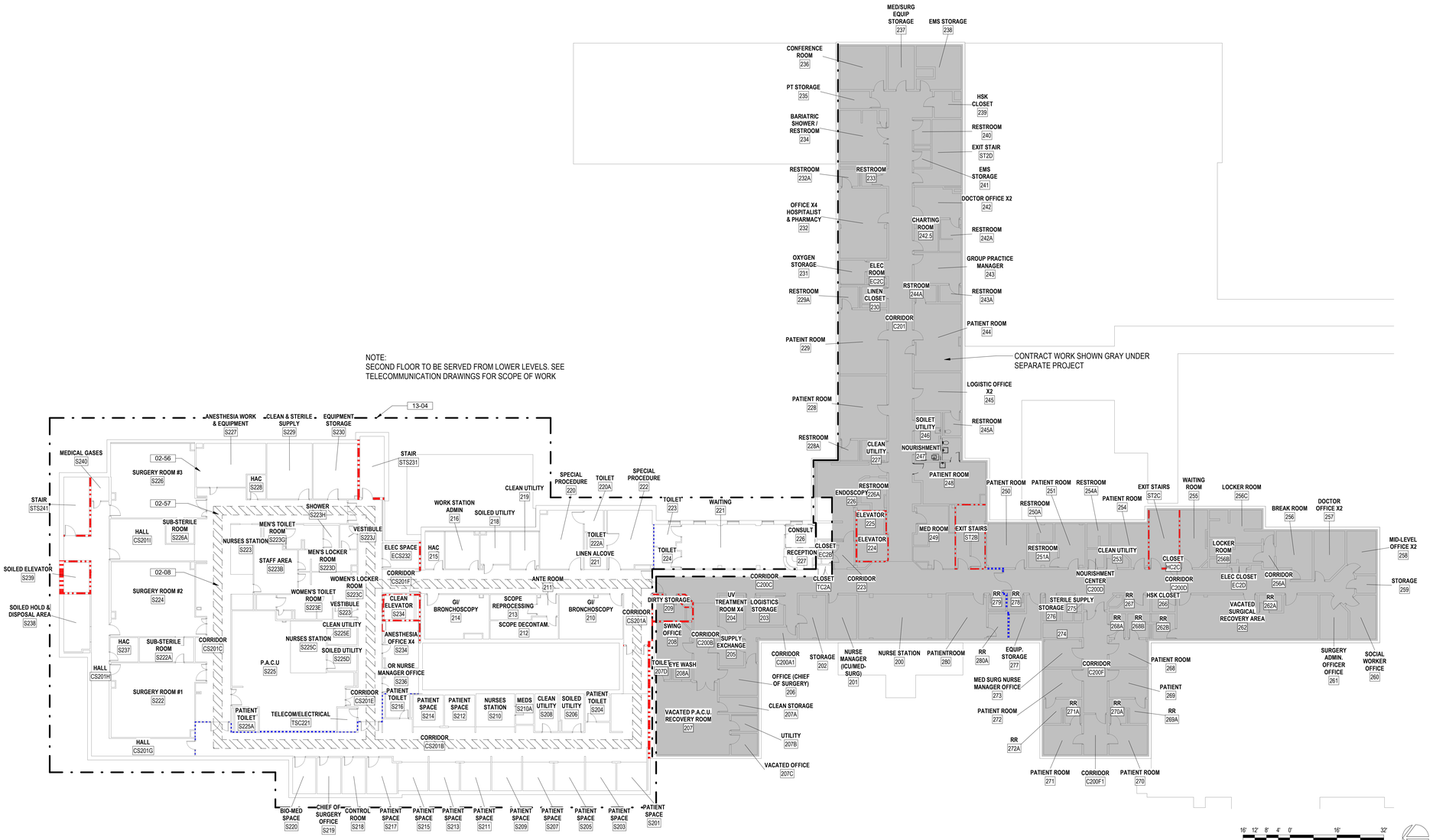
- INDICATES BUILT ITEM TO BE REMOVED
- INDICATES LIGHT FIXTURE TO BE REMOVED
- INDICATES EXTENT OF ICRA CLASS SCOPE
- CABLE INSTALLATION ROUTE, FIELD VERIFY CONDITIONS PRIOR TO COMMENCEMENT OF WORK, SEE TELECOM DRAWINGS FOR EXTENT OF WORK

DEMOLITION GENERAL NOTES

1. SEE G SERIES SHEETS FOR ALL DEMOLITION NOTES & HAZARDOUS MATERIAL NOTES
2. IN HOSPITAL OCCUPANCY, CONTRACTOR ARE TO USE A CONSTRUCTION CONTAINMENT CUBE WITH HEPA VACUUM TO MAINTAIN NEGATIVE PRESSURE AS A MEANS TO ACCESS AREAS ABOVE CEILING TILES. THIS INCLUDES ALL PATIENT CORRIDORS AND ALL ACUTE CARE PATIENT AREAS. THIS IS IN CONJUNCTION WITH THE HOSPITALS INFECTION PREVENTION MEASURES AND ICRA PROTOCOLS.
3. MAINTAIN FIRE SUPPRESSION SYSTEM OPERATIONAL DURING CONSTRUCTION WORK. FIRE SUPPRESSION CONTRACTOR TO REMOVE DOWNWARD HEADS AND TURN UPWARS, PROVIDE NEW FIRE SUPPRESSION HEAD IN TELECOMMUNICATION ROOMS (TR). WORK TO BE CONDUCTED WITHIN ONE WORKING SHIFT. SEE ADDITIONAL PROJECT NOTES ON COVER SHEET.

KEYNOTES

02-08	CAREFULLY REMOVE CEILING TILES AND OTHER CEILING MOUNTED DEVICES, CAREFULLY STORE IN NON-TRAFFICKED AREA AND PREPARE FOR REINSTALLATION AT COMPLETION OF WORK
02-56	CORE DRILL THROUGH CONCRETE SHEAR WALL TO INSTALL MECHANICAL DUCT WORK, SEE STRUCTRUAL DRAWINGS
02-57	CONTRACTOR TO ROUTE CONDUIT IN LEAST DESTRUCTIVE MANNER TO LOCATIONS AS INDICATED IN TELECOMMUNICATION DRAWINGS, CONTRACTOR TO BE RESPONSIBLE TO VISIT SITE AND UNDERSTAND ROUTING AND MATERIAL TREATMENT; PATCH AND FINISH TO MATCH EXISTING MATERIALS; TYPICAL AT ALL DATA DROP LOCATIONS
13-04	ICRA CLASS IV; SEE SPEC SECTION 01 35 26 FOR REQUIREMENTS AND WORKING HOURS RESTRICTIONS

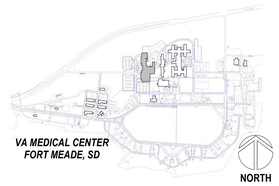


1 SECOND FLOOR PLAN
1/16" = 1'-0"

ROOM ALLOCATION LEGEND

- PROPOSED NEW CABINET / TR / MCR LOCATION
- PROPOSED EXPANSION TO TR
- EXISTING TR WITH POWER AND FIBER UPGRADES, SEE TELECOM AND ELECTRICAL DRAWINGS
- ABANDONED ROOM
- ROOM TO REMAIN, NO WORK
- REMODEL REQUIRED DUE TO EHRM IMPACT

PROJECT KEY PLAN



Revisions:	Date:

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PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: 113-LEVEL 2 DEMOLITION PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER: 568-21-701
APPROVED: Project Director	FLS: FULLY SPRINKLERED	LOCATION: FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER: BLDG 113
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