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

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

# **VOLUME 2**

TELECOMMUNICATION

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

# **PROJECT LOCATION MAP**



# **ARCHITECTURAL ABBREVIATIONS**

AB ABV A/C ACT	ANCHOR BOLT ABOVE AIR CONDITIONING ACOUSTICAL CEILING
TILE ADDL ADJ AFF ALT ALUM ARCH AWN	ADDITIONAL ADJUSTABLE ABOVE FINISH FLOO ALTERNATE ALUMINUM ARCHITECT(URAL) AWNING
B/ BD BLDG BLKG BM BRG BTWN BUR	BOTTOM OF BOARD BUILDING BLOCKING BEAM OR BENCHMAF BEARING BETWEEN BUILT-UP ROOF
CAB CJ CL CLG CMU	CABINET CONTROL JOINT CENTERLINE CEILING CONCRETE MASONR
COL COL CONC CONT CONS <sup>-</sup> CG CPT CSMT CT	CLEAN OUT COLUMN CONCRETE CONTINUOUS CORNER GUARD CARPET CASEMENT CERAMIC TILE
D DF DIM(S) DISP DN DR DR DS DTL DWG	DEEP DRINKING FOUNTAIN DOUBLE HUNG DIMENSIONS DISPENSER DOWN DOOR DOWNSPOUT DETAIL DRAWING

D

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

9					
D NFO SO NSUL NV T BOX T BOX T AM AV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV F T AAS AAV A F T AAS AAV A F T AAS AAV A F T AAS AAV A F T AAS AAV A F T AAS AAV A F T AAS AAV A F AAS AAV A F AAS AAV A F AAS AAV A F AAS AAV A F AAS AAV A F AAS AAV A F AAS AAV A F AAS AAV A F AAS AAV A F AAS AAV AAS AAV AAS AAV AAS AAV AAS AAS	INSIDE DIAMETER INFORMATION ISOCYANURATE INSULATE / INSULATED / ATION INTERIOR INVERT JOINT JUNCTION BOX KITCHEN LONG / LENGTH LAMINATE(D) LAVATORY LINEAR FEET LIGHT MASONRY MATERIAL MAXIMUM MECHANIC(AL) MEZZANINE MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER MANHOLE MINIMUM MISCELLANEOUS MASONRY OPENING METAL NORTH NOT IN CONTRACT NOMINAL NOT TO SCALE ON CENTER OUTSIDE DIAMETER OR FLOW DRAIN OPENING OPPOSITE ORIENTED STRAND BOARD OVERHEAD PLATE PLASTIC LAMINATE 3PLUMBING D PLYWOOD PANEL PAINT POLYESTER OR DEFIN POUNDS PER SQUARE INCI PRESSURE TREATED OR	QT QTR QTY RA RB RD RECY REF RB RD RECY REF RB RD RC REF RB RD RC REF RB RD RO RO SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SC SCH SCH	QUARRY TILE QUARTER QUANTITY RADIUS RETURN AIR RUBBER BASE ROOF DRAIN RECYCLE(D) REFERENCE G REFRIGERATION REINFORCE REQUIRED ROOM ROUGH OPENING RIGHT OF WAY SOUTH SOLID CORE SCHEDULE D SCHEDULED SECTION SQUARE FEET SPRAY APPLIED FIRE TIVE MATERIAL SINGLE SHEET SHEATHING SIMILAR SPECIFICATIONS SLAB ON DECK SLAB ON GRADE SAME OPPOSITE HAND STAINLESS STEEL STONE TILE STANDARD STEEL CT STRUCTURAL TEMPERED THICK SH THRESHOLD TOP OF BEAM TOP OF PLATE TOP OF BEAM TOP OF PLATE TOP OF STEEL TO F ST	UL LABOF UNO OTHEF VB VCT VF VR VR VR VR VR VR VR VR VR VR VR VR VR	UNDER ATORY UNLESS WISE VINYL E VINYL C VESTIB VERIFY VENEE VINYL T VINYL T VINYL T VINYL T WIDE O WITH WATER WOOD WATER WITHIN WATER WEIGH WELDE NUMBE AT
OINT					
٧MT	PAVEMENT				
			Date:		

**ARCHITECT** 

**A&E DESIGN** 

406.248.2633

PAUL SIDERIUS, AIA

https://www.ae.design/

CONSULTANT

# **PROJECT KEY PLAN** BLACK HILLS VA HEALTHCARE SYSTEM



# **EXPLANATION OF SYMBOLS** UL UNDERWRITERS 1 BUILDING UNO UNLESS NOTED INTERIOR #4 <( A6.# )>#2 ∖ A3.# / SECTION ELEVATION VB VINYL BASE VCT VINYL COMPOSITION EXTERIOR DETAIL ELEVATION ∖ A3.# / CALL OUT VERT VERTICAL VEST VESTIBULE <u>/1</u> VIF VERIFY IN FIELD WALL DETAIL VP VENEER PLASTER ∖ A3.# / SECTION SECTION ∖ A3.# / VR VAPOR RETARDER VT VINYL TILE X MATERIAL TAG $\langle X \rangle$ WINDOW TAG VWC VINYL WALL COVERING (XX-XX) KEYNOTE TAG $\langle XXX \rangle$ ASSEMBLY TAG WIDE OR WES WC WATER CLOSET ROOM NAME GRID LINE ROOM TAG WDW WINDOW WG WALL GUARD DOOR TAG 101 1 WH WATER HEATER 101.1 $\langle XXX-X \rangle$ CEILING TAG - / ----VIEW REFERENCE W/O WITHOUT X'\_X" WP WATERPROOF WR WATER RESISTANT **REVISION CLOUD REVISION TAG** WT WEIGHT WWF WELDED WIRE FABRIC CASEWORK TAG NUMBER OR POUND CABINET DESIGN SERIES NO. POSITION OF VIEW ON SHEET - VIFW NAME VIEW NAME 15 1 1/2" = 1'-0" – VIFW SCALF

TYPICAL	SHEET V	IEW NUM	BERING L	AYOUT
16				
11				
6				
1	2	3	4	5

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

# **ARCHITECT/ENGINEER OF RECORD**

(H)

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

# **GENERAL PROJECT NOTES**

- AND TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COORDINATE ARCHITECTURAL STRUCTURAL AND MECHANICAL, ELECTRICAL & PLUMBING NOTES AND DRAWINGS
- DIMENSIONS OR CONDITIONS.
- APPROVALS TO THE COR PRIOR TO THE COMMENCEMENT OF THE SCOPE.
- SUPPLEMENTARY CONDITIONS OF THE CONTRACT
- SYSTEM(S)
- MEANS AND METHODS OF CONSTRUCTION, SAFETY AND SECURITY ON SITE

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

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

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



124 NORTH 29TH STREET, #100 BILLINGS, MONTANA 59101

7		8	

THE CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATION AND RELATED CONTRACT DOCUMENTS, VISIT SITE OF WORK, AND RESEARCH ALL EXISTING CONDITIONS. FACILITIES, RESTRICTIONS AND OTHER MATTERS WHICH CAN AFFECT THE WORK. IN TIMELINE, QUALITY OR COST OF ANY CONTRACTOR TO VISIT THE SITE AND ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS, SHALL IN NO WAY RELIEVE 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

NOT CONSIDER CONSTRUCTION NOTES TO BE ALL-INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILIT

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

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

5. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND NECESSARY FACILITIES, AND PERFORM ALL LABOR AND SERVICES OF EVERY DESCRIPTION AS REQUIRED TO COMPLETE THE SCOPE OF WORK DEFINED ON THE DRAWINGS AND SPECIFICATIONS WITHIN THE AGREED TIMELINES.

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

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

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

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

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

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

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

15. ALL WORK SHALL BE PERFORMED BY SKILLED WORKERS IN A WORKMANLIKE AND PROFESSIONAL MANNER CONSISTENT WITH INDUSTRY STANDARDS AND/OR AS DIRECTED

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 WARRANTY PERIOD OTHERWISE

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

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

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

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

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

23. THE DESIGN ADEQUACY, SAFETY, AND ERECTION OF BRACING, SHORING, SCAFFOLDING, AND TEMPORARY SUPPORTS AND RESTRAINS IS THE SOLE RESPONSIBILITY OF

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

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

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

27. ALL ITEMS TO BE REMOVED AND REPLACED SHALL BE HANDLED WITH PROPER CARE AND STORED IN SUCH A MANNER AS TO PREVENT DAMAGE: WHEN DAMAGED. REPLACED

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

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

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

31. EXERCISE CARE DURING CONSTRUCTION TO MINIMIZE DISRUPTION OF THE MEDICAL CENTER ROUTINE, COORDINATE SEQUENCE OF WORK AND PHASING WITH THE COR TO 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

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

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

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

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

EXPUSED DI	CEILING REMOVAL & PAINT ANT NEW SPRINKLER PIPING EXPOSED IN FI	NISHED AREAS 541.4	36.4723		907.91
OF CTION ITIES	DRAWING TITLE COVER AND PROJECT GENERAL INFORMATION - VOLUME 2	PHASE 100% CONSTRUCTIC DOCUMENTS	DN	PROJECT TITLE EHRM INFRAST UPGRADES	RUCT
MENT	APPROVED: Project Director	FLS		FORT MEADE, SOUT	
partment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINK	LERED	ISSUE DATE 11/05/2024	CHECK
	7	8		9	

# **PROJECT DESCRIPTION**

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

# **BASIC DEFINITIONS**

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

"CONTRACTING OFFICER" OR "C.O.": THE OWNER'S AU ADMINISTRATING THE CONTRACT BETWEEN THE GENERAL CERTAIN AUTHORIZED REPRESENTATIVES OF THE CONTRA THEIR AUTHORITY AS DELEGATED BY THE CONTRACTING O

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

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

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

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

<u>'ARCHITECT" OR "ENGINEER"</u>: MEANS THE VA'S ARCHITE ENGINEERS PROFESSIONALS FOR THIS PROJECT. AND REFE SINGULAR IN NUMBER

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

"FURNISHED" OR "FURNISHED": MEANS PROVIDING ALL M. INSURANCE, FIELD MEASUREMENTS, EXPEDITING, SHIPPING, MATERIALS, OWNER'S MANUALS, TRAINING AND ANY OTHER INSTALLATION.

"INSTALL" OR "INSTALLED": MEANS COMPLETING ALL UNPACKING, HOISTING, STORAGE, HANGERS, SUPPORTS, SL SHOP DRAWINGS, EXCAVATION, BACKFILL, DEWATERING, INS FIRESTOPPING, CLEAN-UP, INSPECTION, DOCUMENTATION, ACCESSORIES, SERVICE AND FACILITIES REQUIRED FOR A C

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

"BY OWNER", "BY VAMC" OR "BY VA": MEANS ITEM JOB SITE AND INSTALLED BY THE OWNER.

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

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

# **TEMPORARY FIRE & SMOKE F**

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

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

WHERE EXISTING CEILINGS ARE TEMPORARILY REMOVED FO PROVIDE TEMPORARY UPRIGHT SPRINKLER HEADS. WHERE EXISTING CEILINGS ARE PERMANENTLY REMOVED, ( HEADS WITHIN ONE WORKING SHIFT TO AVOID LOSS OF SPRI

PROJ	ECT 1	<b>EAM</b>
------	-------	------------

**BLACK HILLS VA HEALTHCARE SYSTEM** 

124 NORTH 29th STREET, SUITE 100

**GDM - PUGET SOUND DISTRICT OFFICE** 

**GDM - VANCOUVER DISTRICT OFFICE** 

**GDM - VANCOUVER DISTRICT OFFICE** 

1308 NW 134TH STREET, SUITE A

1308 NW 134TH STREET, SUITE A

FIRE PROTECTION ENGINEER

VANCOUVER, WA 98685

VANCOUVER, WA 98685

OWNER

ARCHITECT

406.248.2633

FORT MEADE VAMC

**A&E ARCHITECTS** 

BILLINGS, MT 59101

LACEY, WA 98503

360.318.7095

STRUCTURAL

541.436.4723

TELECOMMUNICATIONS

4317 6<sup>Th</sup> AVE SE, SUITE 300

**113 COMANCHE ROAD** 

FORT MEADE, SD 57741

	LIMITED TO THE PGRADE, POWE	E FOLLOWING IN R [NORMAL, EMI	FRASTRUCTURE ERGENCY]), BONDING,	
ASSESS FOR NEW AND UPGRADES TO EXISTING HVAC, OF EXISTING SPACE (DEMO, NEW CONSTRUCTION, V DATA OUTLETS, PATCH PANELS, UPGRADE TO CAT 6A CURITY UPGRADES, ASSESS AND UPGRADE FIBER BUILDINGS AND BETWEEN BUILDINGS, HAZARDOUS IN INCLUDE: BUILDINGS 40, 46, 48, 50, 53, 88, 89, 90, 103,				
(	GOVERNMENT - MENTS AS IF SI GOFFICER'S AU	DEPARTMENT ( NGULAR IN NUN THORIZED REPF	OF VETERANS AFFAIRS AND IBER. THE TERM "OWNER" RESENTATIVE.	
	R'S AUTHORIZE IERAL CONTRAC ONTRACTING OF FING OFFICER.	D REPRESENTA CTOR AND OWN FFICER ACTING	TIVE RESPONSIBLE FOR ER. THE TERM INCLUDES WITHIN THE LIMITS OF	
F	RUCTION AND S COMPLETED, AI Y THE CONTRAC DLE OR A PART	ERVICES REQUI ND INCLUDES AL CTOR TO FULFIL OF THE PROJEC	RED BY THE CONTRACT LL OTHER LABOR, LL THE CONTRACTOR'S CT.	
	THE WORK PER	FORMED UNDE	R THE CONTRACT	В
	GRAPHIC AND I ISSUED, SHOW ATIONS, SECTIO	PICTORIAL POR ING DESIGN, LOU INS, DETAILS, SC	TIONS OF CONTRACT CATION AND DIMENSIONS CHEDULES AND DIAGRAMS.	
	ARCHITECTS FN		OTHER DESIGN AND	
1	D REFERRED TI	HROUGHOUT TH	IE DRAWINGS AS IF	
)	NS THE ENTITY GENERAL AND	UNDER CONTRA OR SPECIALTY	ACT AGREEMENT WITH THE WORK IN CONNECTION	
	3 ALL MATERIAL IPPING, HANDLI OTHER ACCESS	.S, SHOP DRAWI NG, PACKAGING SORIES REQUIRE	NGS, TRANSPORTATION 5, STORAGE, TOUCH-UP ED FOR A COMPLETE	с
   	NG ALL WORK A RTS, SLEEVES, ING, INSTALLAT ATION, PROTEC <sup>T</sup> FOR A COMPLET	ND COSTS ASS SCAFFOLDING, ION, CUTTING A TION OF SCOPE E INSTALLATION	OCIATED WITH UNLOADING, COORDINATION, LAYOUT, ND PATCHING, OF WORK AND ALL N.	
F	FURNISH AND II RANSPORTATIO	NSTALL AND SHA	ALL INCLUDE, WITHOUT ID OTHER ITEMS REQUIRED	
•	NS ITEMS WILL	BE ORDERED, P	AID FOR, SHIPPED TO THE	
;	S OR EQUIPMEN JTURE INSTALL	IT NOT IN THE C ATION AS SPEC	ONTRACT, BUT MAY IFIC OR SHOWN.	
	THE DRAWINGS	S AND SPECIFIC	ATIONS CAN BE FOUND IN AND 1 OF THE PROJECT	
	E PROT	ECTION		D
	Cannot be ref Nstructed. IF IL, Notify the ( Ry upright sp Work.	PLACED AT THE CONTRACTOR I COR IMMEDIATE RINKLER HEADS	END OF THE WORK DENTIFIES UPCOMING ILY WHETHER A RATED S INSTALLED. THIS	
	E FIRESTOPPE ARY FIRESTOP VIDE PROTECT	D AT THE END O PING COMPOSE ION AGAINST FII	F THE WORK SHIFT DUE D OF MINERAL WOOL RE/SMOKE SPREAD	
	VED FOR LONG	ER THAN ONE V	VORKING SHIFT,	
(	OVED, COORDIN OF SPRINKLER	NATE INSTALLAT PROTECTION.	ION OF UPRIGHT	
	ENGINEER, PF GDM - PUGET 4317 6 <sup>Th</sup> AVE S	ROJECT LEAD SOUND DISTRIC E, SUITE 300	T OFFICE	E
	LACEY, WA 988 360.318.7095 MECHANICAL	503 ENGINEER		
	<b>GDM - PUGET</b> 4317 6 <sup>Th</sup> AVE S LACEY, WA 985 360.318.7095	E, SUITE 300	I OFFICE	
	GDM - VANCOU 1308 NW 134TH VANCOUVER, 1	UVER DISTRICT UVER DISTRICT STREET, SUITE WA 98685	OFFICE E A	
	541.436.4723 CIVIL ENGINE			
	GDM - VANCOU 1308 NW 134TH VANCOUVER, V 541.436.4723	H STREET, SUITE WA 98685	E A	F
	<b>GDM - ARCTIC</b> 1401 W 34TH A ANCHORAGE, 907.917.2957	<b>DISTRICT OFFIC</b> VE, SUITE 200 ALASKA 99503	E	
ļ	RUCTURF		project number 568-21-701	
			BUILDING NUMBER GEN INFO	
	SOUTH DA	KOTA	DRAWING NUMBER	
	CHECKED BY PSS	DRAWN BY JPR	00-GI-000.V2	
	l			I I

	1 2	3	4 5	6
		DRAWING INDEX		
		VOLUME 1	VOLUME 1 (Continued)	VOLUME 2
		GENERAL INFORMATION	ARCHITECTURAL (Continued)	GENERAL INFORMATION
		SHEET NO. SHEET NAME	SHEET NO. SHEET NAME	SHEET NO. SHEET NAME
Α		00-GI-000.V1 COVER AND PROJECT GENERAL INFORMATION - VOLUME 1 00-GI-001.V1 DRAWING INDEX AND PROJECT GENERAL NOTES - VOLUME 1	146-AE-301 146-ENLARGED PLANS AND ELEVATIONS	00-GI-000.V2 COVER AND PROJECT GENERAL INFORMATION - VOLUME 2
		00-GI-002 PROJECT CODE SUMMARY & SCHEDULE FOR FINISHES	148-AE-201 148-LEVEL 1 FLOOR PLAN 148-AE-201 148-LEVEL 1 FLOOR PLAN	
		00-GI-003 PROJECT LOCATION MAPS & CAMPUS PLAN 00-GI-004 ICRA CLASSIFICATION PROCESS	148-AE-202 148 ROOF PLAN 148-AE-301 148-ENI ARGED PLANS AND TR ELEVATIONS	TELECOMMUNICATIONS
		00-GI-005 PROJECT ASSEMBLY TYPES	148-AE-302 148-ENLARGED PLANS AND TR ELEVATIONS	SHEET NO.SHEET NAME00-TG-001LEGEND, ABBREVIATIONS, AND GENERAL NOTES
		00-GI-007 PARTITION DETAILS	148-AE-303 148-ENLARGED PLANS AND TR ELEVATIONS T171-AE-201 T171-FLOOR PLANS	00-TS-000 TELECOMMUNICATIONS OVERALL SITE PLAN 00-TS-001 TELECOMMUNICATIONS SITE PLAN
		00-GI-008 FIRE PROTECTION NOTES	T296-AD-201 T296-LEVEL 1 DEMOLITION PLAN	00-TS-002 TELECOMMUNICATIONS SITE PLAN 00-TS-003 TELECOMMUNICATIONS SITE PLAN
		<u>CIVIL</u> SHEET NO. SHEET NAME	T296-AE-201 T296-PLOOR PLANS AND ELEVATIONS T296-AE-501 T296-BUILDING ELEVATIONS AND DETAILS	00-TS-004 TELECOMMUNICATIONS SITE PLAN 00-TS-005 TELECOMMUNICATIONS SITE PLAN
		CI0001 CIVIL - GENERAL NOTES RC0001 CIVIL - EXISTING PLANS		00-TS-006 TELECOMMUNICATIONS SITE PLAN 040-TD-011 040 - TELECOM DEMOLITION PLAN - EIRST ELOOR
		CU0100 CIVIL - OVERALL PRIMARY FIBER OPTICS SITE PLAN CU0101 CIVIL - PRIMARY FIBER OPTICS PLAN		040-TN-010 040 - TELECOM DEMODEL PLAN - FIRST FLOOR
		CU0102 CIVIL - PRIMARY FIBER OPTICS PLAN CU0103 CIVIL - PRIMARY FIBER OPTICS PLAN	MG-001 MECHANICAL LEGENDS & ABBREVIATIONS	046-TD-0B1 046 - TELECOM DEMOLITION PLANS 046-TN-0B0 046 - TELECOM DISTANCE ASSESSMENT
		CU0104 CIVIL - PRIMARY FIBER OPTICS PLAN CU0105 CIVIL - PRIMARY FIBER OPTICS PLAN	MG-002 MECHANICAL SCHEDULES MG-003 MECHANICAL SCHEDULES	046-TN-0B1 046 - TELECOM REMODEL PLANS 048-TD-0B1 048 - TELECOM DEMOLITION PLANS
В		CU0106 CIVIL - PRIMARY FIBER OPTICS PLAN	MG-004 MECHANICAL SITE PLAN MG-005 MECHANICAL DETAILS	048-TN-0B0 048 - TELECOM DEMOETHON TEANS 048 TN 0B1 048 - TELECOM DISTANCE ASSESSMENT
		CU0108 CIVIL - PRIMARY FIBER OPTICS PLAN	MG-006 MECHANICAL DETAILS 000-MH-001 MECHANICAL SITE PLAN	050-TD-011 050 - TELECOM REMODEL PLANS 050-TD-011 050 - TELECOM DEMOLITION PLAN
		CU0110 CIVIL - PRIMARY FIBER OPTICS PLAN	040-MD-011 040 - MECHANICAL DEMOLITION - OVERALL 040-MH-011 040 - MECHANICAL REMODEL - OVERALL	050-TN-010 050 - TELECOM DISTANCE ASSESSMENT 050-TN-011 050 - TELECOM REMODEL PLAN
		CU0300 CIVIL - PRIMARY FIBER OPTICS PROFILES	046-MD-011 046 - MECHANICAL DEMOLITION - OVERALL 046-MH-011 046 - MECHANICAL REMODEL - OVERALL	053-TD-0BT 053 - TELECOM DEMOLITION PLAN - BASEMENT AND FIR 053-TD-021 053 - TELECOM DEMOLITION PLAN - SECOND FLOOR AND
		CU0302 CIVIL - PRIMARY FIBER OPTICS PROFILES CU0302 CIVIL - PRIMARY FIBER OPTICS PROFILES	048-MD-011 048 - MECHANICAL DEMOLITION - OVERALL 048-MH-011 048 - MECHANICAL REMODEL - OVERALL	053-TN-0B0 053 - TELECOM DISTANCE ASSESSMENT 053-TN-0B1 053 - TELECOM REMODEL PLAN - BASEMENT AND FIRST
		CU0303 CIVIL - PRIMARY FIBER OPTICS PROFILES CU0304 CIVIL - PRIMARY FIBER OPTICS PROFILES	050-MD-011 050 - MECHANICAL DEMOLITION - OVERALL 050-MH-011 050 - MECHANICAL REMODEL - OVERALL	053-TN-021 053 - TELECOM REMODEL PLAN - SECOND FLOOR 088-TD-011 088 - TELECOM DEMOLITION PLAN
		CU0305 CIVIL - PRIMARY FIBER OPTICS PROFILES CJ0001 CIVIL - DETAILS	053-MD-011 053 - MECHANICAL DEMOLITION - OVERALL 053-MH-011 053 - MECHANICAL REMODEL - OVERALL	088-TN-010 088 - TELECOM DISTANCE ASSESSMENT 088-TN-011 088 - TELECOM REMODEL PLAN
		CJ0002 CIVIL - DETAILS CE0100 CIVIL - OVERALL ELECTRICAL SITE PLAN	088-MD-011 088 - MECHANICAL DEMOLITION - OVERALL 088-MH-011 088 - MECHANICAL REMODEL - OVERALL	089-TD-011 089 - TELECOM DEMOLITION PLAN 089-TN-010 088 - TELECOM DISTANCE ASSESSMENT
		CE0101 CIVIL - ELECTRICAL SITE PLAN CG0100 GRADING PLAN - BLDG 145	089-MD-011 089 - MECHANICAL DEMOLITION - OVERALL 089-MH-011 089 - MECHANICAL REMODEL - OVERALL	089-TN-011 089 - TELECOM REMODEL PLAN 090-TD-011 090 - TELECOM DEMOLITION PLAN
		CG0200 GRADING PLAN - BLDG T-296	090-MD-011 090 - MECHANICAL DEMOLITION - OVERALL 090-MH-011 090 - MECHANICAL REMODEL - OVERALL	090-TN-010 090 -TELECOM DISTANCE ASSESSMENT 090-TN-011 090 -TELECOM REMODEL PLAN
		STRUCTURAL	110-MD-011 110 - MECHANICAL DEMOLITION - OVERALL 110-MH-011 110 - MECHANICAL REMODEL - OVERALL	110-TD-011110 - TELECOM DEMOLITION PLAN - FIRST FLOOR110-TN-011110 - TELECOM REMODEL PLAN - FIRST FLOOR
С		SHEET NO.SHEET NAMESN001STRUCTURAL NOTES	113-MD-001 113 - MECHANICAL DEMOLITION - BASEMENT - OVERALL 113-MD-011 113 - MECHANICAL DEMOLITION - EIRST ELOOR - OVERALL	113-TD-001113 - TELECOM DEMOLITION PLAN - BASEMENT LAYOUT113-TD-002113 - TELECOM DEMOLITION PLAN - BASEMENT NORTH
		SN001 STRUCTURAL NOTES 145-SF-101 FOUNDATION PLAN - BUILDING 145	113-MD-012 113 - MECHANICAL DEMOLITION - SECOND FLOOR - OVERALL 113-MD-013 113 - MECHANICAL DEMOLITION - UPPER BOOF - OVERALL	113-TD-003113 - TELECOM DEMOLITION PLAN - BASEMENT EAST113-TD-004113 - TELECOM DEMOLITION PLAN - BASEMENT SOUTH
		145-SF-102 FIRST FLOOR FRAMING PLAN - BUILDING 145 145-SD-101 STRUCTURAL DETAILS - BUILDING 145	113-MD-014 113 - ENLARGED DEMOLITION PLANS 113-MD-015 113 - ENLARGED DEMOLITION PLANS	113-TD-011113 - TELECOM DEMOLITION PLAN - FIRST FLOOR LAYOU113-TD-012113 - TELECOM DEMOLITION - FIRST FLOOR NORTH
		T296-SF-101 FOUNDATION & ROOF FRAMING PLANS- BUILDING T296	113-MH-001 113 - MECHANICAL REMODEL - BASEMENT - OVERALL	113-TD-013113 - TELECOM DEMOLITION - FIRST FLOOR CENTRAL113-TD-014113 - TELECOM DEMOLITION - FIRST FLOOR EAST
		ARCHITECTURAL	113-MH-012 113 - MECHANICAL REMODEL - SECOND FLOOR - OVERALL 113 MH 013 113 MECHANICAL REMODEL - UPPER POOF OVERALL	113-TD-015113 - TELECOM DEMOLITION - FIRST FLOOR SOUTH113-TD-021113 - TELECOM DEMOLITION - SECOND FLOOR LAYOUT
		SHEET NO. SHEET NAME	113-MH-014 113 - ENLARGED REMODEL PLANS 113 MH 015 113 ENLARGED REMODEL PLANS	113-TD-022113 - TELECOM DEMOLITION - SECOND FLOOR NORTH113-TN-000113 - TELECOM REMODEL - BASEMENT FIBER PLAN
		40-AE-201 40-FLOOR PLANS 46-AE-201 46-FLOOR PLANS	137-MD-011 137 - MECHANICAL DEMODEL PLANS 137-MD-011 137 - MECHANICAL DEMOLITION - FIRST FLOOR - OVERALL	113-TN-001113 - TELECOM DISTANCE ASSESSMENT - BASEMENT113-TN-002113 - TELECOM REMODEL - BASEMENT NORTH
		48-AE-201 48-FLOOR PLANS	137-MH-011 137 - MECHANICAL REMODEL - FIRST FLOOR - OVERALL 144-MH-011 144 - MECHANICAL REMODEL - FIRST FLOOR - OVERALL	113-TN-003 113 - TELECOM REMODEL - BASEMENT EAST 113-TN-004 113 - TELECOM REMODEL - BASEMENT SOUTH
		53-AD-201 53-DEMOLITION FLOOR PLANS	145-MD-011 145 - MECHANICAL DEMOLITION - OVERALL 145-MD-012 145 - ENLARGED DEMOLITION PLANS	113-TN-010113 - TELECOM REMODEL - FIRST FLOOR FIBER PLAN113-TN-011113 - TELECOM DISTANCE ASSESSMENT - FIRST FLOOR
		53-AE-201 53-BASEMENT AND LEVEL 1 FLOOR PLANS 53-AE-202 53-LEVEL 2 AND ATTIC FLOOR PLANS	145-MD-013 145 - ENLARGED DEMOLITION PLAN 145-MD-014 145 - ENLARGED DEMOLITION PLAN	113-TN-012 113 - TELECOM REMODEL - FIRST FLOOR NORTH 113-TN-013 113 - TELECOM REMODEL - FIRST FLOOR CENTRAL
п		53-AE-301 53-ENLARGED PLANS AND ELEVATIONS	145-MD-015 145 - ENLARGED DEMOLITION PLAN 145-MH-011 145 - MECHANICAL REMODEL - OVERALL	113-TN-014 113 - TELECOM REMODEL - FIRST FLOOR EAST 113-TN-015 113 - TELECOM REMODEL - FIRST FLOOR SOUTH
D		88-AE-201 88-LEVEL 2 FLOOR PLANS AND ELEVATIONS 88-AE-202 88-LEVEL 2 FLOOR PLANS	145-MH-012 145 - ENLARGED REMODEL PLANS 145-MH-013 145 - ENLARGED REMODEL PLANS	113-TN-021 113 - TELECOM REMODEL - SECOND FLOOR FIBER PLAN 113-TN-022 113 - TELECOM REMODEL - SECOND NORTH
		89-AD-201 89-DEMOLITION FLOOR PLANS 89-AE-200 89-FLOOR PLANS	145-MH-014 145 - ENLARGED REMODEL PLANS 145-MH-015 145 - ENLARGED REMODEL PLANS	137-TD-011 137 - TELECOM DEMOLITION PLANS 137-TN-010 137 - TELECOM DISTANCE ASSESSMENT
		89-AE-301 89-ENLARGED PLANS AND ELEVATIONS	145-MH-016 145 - ENLARGED REMODEL PLANS 145-MH-017 145 - ENLARGED REMODEL PLANS	137-TN-011 137 - TELECOM REMODEL PLANS 144-TD-011 144 - TELECOM DEMOLITION PLAN - EIRST ELOOR
		90-AD-201 90-DEMOLITION FLOOR PLANS 90-AE-201 90-LEVEL 1 PLANS AND ELEVATIONS	145-MH-020145 - MECHANICAL REMODEL OVERALL145-MH-021145 - ENLARGED REMODEL PLANS	144-TD-011 144 - TELECOM REMODEL PLAN - FIRST FLOOR 145-TD-011 145 - TELECOM DEMOLITION PLAN - FIRST FLOOR SOUTH
		90-AE-202 90-LEVEL 2 FLOOR PLAN 103-AE-201 103-I EVEL 1 ELOOR PLAN	14b-MD-011146 - MECHANICAL DEMOLITION - FIRST FLOOR - OVERALL146-MH-011146 - MECHANICAL REMODEL - FIRST FLOOR - OVERALL	145-TD-012       145 - TELECOM DEMOLITION PLAN - FIRST FLOOR SOUTH         145-TD-021       145 - TELECOM DEMOLITION PLAN - FIRST FLOOR NORTH
		110-AE-201 110-FLOOR PLANS	147-MD-011147 - MECHANICAL DEMOLITION - FIRST FLOOR - OVERALL147-MH-011147 - MECHANICAL REMODEL - FIRST FLOOR - OVERALL	145-TD-022 145 - TELECOM DEMOLITION PLAN - SECOND FLOOR NOI 145-TD-031 145 - TELECOM DEMOLITION PLAN - SECOND FLOOR NOI
		113-AD-200 113-BASEMENT DEMOLITION PLAN 113-AD-201 113-LEVEL 1 DEMOLITION PLAN	147-MH-012147 - MECHANICAL REMODEL - ROOF - OVERFLOW148-MD-011148 - MECHANICAL DEMOLITION - FIRST FLOOR - OVERALL	145-TD-032       145 - TELECOM DEMOLITION PLAN - THIRD FLOOR NORT         145-TN-010       145 - TELECOM DISTANCE ASSESSMENT FURTHER FLOOR
		113-AD-202 113-LEVEL 2 DEMOLITION PLAN	148-MD-012148 - ENLARGED MECHANICAL DEMOLITION PLANS148-MH-011148 - MECHANICAL REMODEL - ROOF - OVERALL	145-TN-011 145 - TELECOM REMODEL PLAN - FIRST FLOOR FIBER RC
		113-AE-201 113-LEVEL 1 FLOOR PLAN	148-MH-012148 - MECHANICAL REMODEL - FIRST FLOOR - OVERALL148-MH-013148 - ENLARGED MECHANICAL REMODEL PLANS	145-TN-012 145 - TELECOM REMODEL PLAN - FIRST FLOOR FIBER RC
		113-AE-202 113-LEVEL 2 FLOOR PLAN 113-AE-203 113-ROOF AND PENTHOUSE FLOOR PLAN	11/1-MD-01111/1 - MECHANICAL DEMOLITION - OVERALLT171-MH-011T171 - MECHANICAL REMODEL - OVERALLT000-MD-011T000-MD-011	145-TN-013 145 - TELECOM REMODEL PLAN - FIRST FLOOR SOUTH
E		113-AE-204 CONNECTOR CORRIDORS FLOOR PLANS	T296-MD-011 T296 - MECHANICAL DEMOLITION - OVERALL T296-MH-011 T296 - MECHANICAL REMODEL - OVERALL	145-TN-015 145 - MCR DETAILS 145-TN-021 145 - TELECOM DISTANCE ASSESSMENT OF COMPARTY
		113-AE-302 113-ENLARGED PLANS AND ELEVATIONS		145-TN-021 145 - TELECOM REMODEL PLAN - SECOND FLOOR SOUTI
		113-AE-303 113-ENLARGED PLANS AND ELEVATIONS 137-AE-200 137-FLOOR PLANS		145-TN-025 145 - TELECOM REMODEL PLAN - SECOND FLOOR NORTH 145-TN-031 145 - TELECOM REMODEL PLAN - THIRD FLOOR SOUTH
		145-AD-201 145-DEMOLITION FLOOR PLAN		145-TN-052 145 - TELECOM REMODEL PLAN - THIRD FLOOR NORTH 146-TD-011 146 - TELECOM DEMOLITION PLAN - FIRST FLOOR
		145-AD-202 145-DEMOLITION 2ND AND 3RD LEVEL PLANS 145-AE-201 145-LEVEL 1, LEVEL 2, AND LEVEL 3 FLOOR PLANS		146-TN-0B1 146 - TELECOM REMODEL PLAN - BASEMENT 146-TN-010 146 - TELECOM DISTANCE ASSESSMENT 146 TN-011 146 - TELECOM DEMODEL PLAN - EIDOT ELOOD
		145-AE-202 145-ROOF / PENTHOUSE AND TUNNEL FLOOR PLANS 145-AE-301 145-ENI ARGED MCR PLANS		146-TN-011 146 - TELECOM REMODEL PLAN - FIRST FLOOR 147-TD-011 147 - TELECOM DEMOLITION PLAN - FIRST FLOOR
		145-AE-302 145-ENLARGED OIT PLANS		147-TN-010 147 - TELECOM DISTANCE ASSESSMENT 147-TN-011 147 - TELECOM REMODEL PLAN - FIRST FLOOR
		145-AE-303 145-ENLARGED TR PLANS AND ELEVATIONS 145-AE-305 145-ENLARGED TR PLANS AND ELEVATIONS		140-10-011 140 - TELECOM DEMOLITION PLAN - FIRST FLOOR 148-TD-012 148 - TELECOM DEMOLITION PLAN - FIRST FLOOR SECTO
		145-AE-306 145-ENLARGED OFFICE / MAILROOM PLANS & ELEVS		140-10-013 148 - TELECOM DEMOLITION PLAN - FIRST FLOOR SECTO 148-TD-014 148 - TELECOM DEMOLITION PLAN - FIRST FLOOR SECTO
		145-AE-602 145-SECTIONS AND DETAILS		148 - I ELECOM DEMOLITION PLAN - FIRST FLOOR SECTOR148-TD-016148 - TELECOM DEMOLITION PLAN - FIRST FLOOR SECTOR
		145-AE-801 145-VERTICAL CIRCULATION 145-AE-802 145-STAIR. RAMP AND RAILING DETAILS		148-IN-010148 - TELECOM DISTANCE ASSESSMENT148-TN-011148 - TELECOM REMODEL PLAN - FIRST FLOOR FIBER PL
F		146-AE-201 146-FLOOR PLANS		148-1N-012148 - TELECOM REMODEL PLAN - FIRST FLOOR SECTOR148-TN-013148 - TELECOM REMODEL PLAN - FIRST FLOOR SECTOR
				148-TN-014148 - TELECOM REMODEL PLAN - FIRST FLOOR SECTOR148-TN-015148 - TELECOM REMODEL PLAN - FIRST FLOOR SECTOR
				148-TN-016 148 - TELECOM REMODEL PLAN - FIRST FLOOR SECTOR
	Revisions:	Date:		

CONSULTANT
ARCHITECT
A&E DESIGN
124 NORTH 29TH STREET, #100
BILLINGS, MONTANA 59101
406.248.2633
PAUL SIDERIUS, AIA
https://www.ae.design/

1

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

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

4

# GI **ARCHITECTS • ENGINEER**

5

# STAMP





6

ANS PLAN SSESSMENT AN PLAN - BASEN PLAN - SECO SSESSMENT	MENT AND FIRST FLOOR ND FLOOR AND ATTIC	TJ-018 TJ-019 TJ-020 TJ-021 TJ-022 TJ-023 TJ-024	TELECOMM DETAILS TELECOMM MCR CABINET D TELECOMM J-HOOK DETAILS TELECOMM BONDING DETAI TELECOMM BONDING DETAI TELECOMM BONDING DETAI	ETAILS S LS LS LS ILS			
AN - BASEMEI AN - SECOND PLAN SSESSMENT	FLOOR	TJ-025 TJ-026 TJ-027 TJ-028	TELECOMM BONDING DETAI TELECOMM RACK ELEVATIO TELECOMM RACK ELEVATIO TELECOMM RACK ELEVATIO	LS INS INS INS			
LAN PLAN SSESSMENT LAN PLAN		TJ-029 TJ-030	TELECOMM CABLE SCHEDU TELECOMM CABLE SCHEDU	LES LES			
SESSMENT		VOLUME	8				
PLAN - FIRST AN - FIRST FL PLAN - BASEN PLAN - BASEN PLAN - BASEN PLAN - BASEN PLAN - FIRST	FLOOR OOR MENT LAYOUT MENT NORTH MENT EAST MENT SOUTH FLOOR LAYOUT	GENERAL INFO SHEET NO. S 00-GI-000.V3 ( 00-GI-001.V3 I ELECTRICAL	DRMATION SHEET NAME COVER AND PROJECT GENERA DRAWING INDEX - VOLUME 3	L INFORMATION - VOLUME	3		
- FIRST FLOO - FIRST FLOO	R NORTH R CENTRAL	SHEET NO.	SHEET NAME				
- FIRST FLOO - FIRST FLOO	R EAST R SOUTH	000-EG-001 000-ES-001	LEGEND, ABBREVIATION LIS POWER SITE PLAN	T, AND GENERAL NOTES			
- SECOND FLO	OOR LAYOUT OOR NORTH	040-ED-011 040-EP-011	ELECTRICAL DEMOLITION PI ELECTRICAL REMODEL PLAI	_AN - FIRST FLOOR N - FIRST FLOOR			
BASEMENT FIB SSESSMENT -	ER PLAN BASEMENT	046-ED-0B1 046-EP-0B1	ELECTRICAL DEMOLITION PI ELECTRICAL REMODEL PLA	_AN - BASEMENT N - BASEMENT			
BASEMENT NO	RTH ST	048-ED-0B1 048-EP-0B1	ELECTRICAL DEMOLITION PI ELECTRICAL REMODEL PLA	_AN NS			
BASEMENT SO FIRST FLOOR F	UTH FIBER PLAN	050-ED-011 050-EP-011	ELECTRICAL DEMOLITION PI ELECTRICAL REMODEL PLAI	LAN N			
SSESSMENT - FIRST FLOOR N	FIRST FLOOR NORTH	053-ED-0B1 053-EP-0B1	ELECTRICAL DEMOLITION PI ELECTRICAL REMODEL PLAI	LANS N - BASEMENT AND FIRST	FLOOR		
FIRST FLOOR ( FIRST FLOOR E	CENTRAL EAST	053-EP-021 088-ED-011	ELECTRICAL REMODEL PLAI ELECTRICAL DEMOLITION PI	N - SECOND FLOOR AND A LAN	TTIC		
FIRST FLOOR SECOND FLOO	SOUTH IR FIBER PLAN	088-EP-011 089-ED-011	ELECTRICAL REMODEL PLAI ELECTRICAL DEMOLITION PI	N LAN			
SECOND NORT PLANS	Ή	089-EP-011 090-ED-011	ELECTRICAL REMODEL PLAI ELECTRICAL DEMOLITION PI	N LAN			
SSESSMENT ₋ANS		090-EP-011 110-ED-011	ELECTRICAL REMODEL PLAI ELECTRICAL DEMOLITION PI	N LAN - FIRST FLOOR			
PLAN - FIRST AN - FIRST FL	FLOOR OOR	110-EP-011 113-ED-001	ELECTRICAL REMODEL PLAI ELECTRICAL DEMOLITION PI	N - FIRST FLOOR LAN - BASEMENT LAYOUT			
PLAN - FIRST PLAN - FIRST	FLOOR SOUTH FLOOR NORTH	113-ED-011 113-ED-012	ELECTRICAL DEMOLITION PI ELECTRICAL DEMOLITION PI	_AN - FIRST FLOOR LAYOU LAN - 1ST FLOOR ENLARGI	IT ED PLANS		
PLAN - SECON PLAN - SECON	ND FLOOR SOUTH ND FLOOR NORTH	113-ED-021 113-EP-001	ELECTRICAL DEMOLITION PI ELECTRICAL REMODEL PLAI	_AN - SECOND FLOOR LAY N - BASEMENT LAYOUT	OUT		
PLAN - THIRD PLAN - THIRD	FLOOR SOUTH FLOOR NORTH	113-EP-011 113-EP-012	ELECTRICAL REMODEL PLAI ELECTRICAL REMODEL PLAI	N - FIRST FLOOR LAYOUT N - FIRST FLOOR ENLARGE	ED PLANS		
SSESSMENT - _AN - FIRST FL	FIRST FLOOR OOR FIBER ROUTING -	113-EP-021 137-ED-011	ELECTRICAL REMODEL PLAI ELECTRICAL DEMOLITION PI	N - SECOND FLOOR LAYOU LANS	JT		
AN - FIRST FL	OOR FIBER ROUTING -	137-EP-011 145-ED-011	ELECTRICAL REMODEL PLAI ELECTRICAL DEMOLITION PI	NS LAN - FIRST FLOOR			
AN - FIRST FL		145-ED-012 145-ED-021 145-EP-011	ELECTRICAL DEMOLITION PI ELECTRICAL DEMOLITION PI ELECTRICAL REMODEL PLAN	_AN - FIRST FLOOR ENLAR LAN - SECOND & THIRD FL( N - FIRST FLOOR	GED ROOMS OORS		
		145-EP-012		N - FIRST FLOOR N - FIRST FLOOR ENLARGE			
AN - SECOND		145-EP-021		N - SECOND & THIRD FLOO	RS		
AN - THIRD FL	OOR SOUTH	146-ED-011		LAN - FIRST FLOOR			
PLAN - FIRST	FLOOR	147-ED-011		LAN - FIRST FLOOR			
		148-ED-011		LAN - FIRST FLOOR			
PLAN - FIRST	FLOOR	148-EP-012 148-EP-011		N - FIRST FLOOR			
AN - FIRST FL		T171-ED-011		LAN - FIRST FLOOR			
PLAN - FIRST	FLOOR SECTOR A	T296-ED-011		LAN - FIRST FLOOR			
PLAN - FIRST	FLOOR SECTOR C	000-EK-001	POWER AND ELEVATION SC	HEMATIC FOR TR RACK			
PLAN - FIRST	FLOOR SECTOR G	040-EJ-001 046-EJ-001	BUILDING 40 ELECTRICAL OI	NE-LINE DIAGRAM & PANEI	L SCHED		
AN - FIRST FL	OOR FIBER PLAN	048-EJ-001 050-E L001	BUILDING 48 ELECTRICAL OF BUILDING 50 ELECTRICAL OF	NE-LINE DIAGRAM & PANEL NE-LINE DIAGRAM & PANEL	L SCHED		
AN - FIRST FL	OOR SECTOR B	053-EJ-001	BUILDING 53 ELECTRICAL OF BUILDING 53 ELECTRICAL OF	NE-LINE DIAGRAM & PANEI NE-LINE DIAGRAM & PANEI	L SCHED		
AN - FIRST FL	OOR SECTOR D	089-EJ-001	BUILDING 80 ELECTRICAL OF BUILDING 89 ELECTRICAL OF	NE-LINE DIAGRAM & PANEI NE-LINE DIAGRAM & PANEI			
AN - FIROT FL	OUR SECTOR G	110-EJ-001 113-EJ-001 113-EJ-002 137-EJ-001	BUILDING 30 ELECTRICAL OF BUILDING 110 ELECTRICAL OF BUILDING 113 ELECTRICAL OF BUILDING 113 ELECTRICAL OF BUILDING 137 ELECTRICAL OF	DIAGRAM & PANE DIAGRAM & PANE DIAGRAM ANEL SCHEDULES DNE-LINE DIAGRAM & PANE	EL SCHED		
1							
OF					CTION	EHRM INFRAS	TRUC
CTION				DOCUMENTS		UPGRADES	
ITIES		4					
<b>MENT</b>	APPROVED: Project Direc	ctor		FLS		FORT MEADE	i, sou
Dartment				FULLY SPR	NKLERED	ISSUE DATE	CHEC
ans Affairs						11/05/2024	
	7			8		9	

# **VOLUME 3** (Continued) (Continued) TELECOMMUNICATIONS (Continued) ELECTRICAL (Continued) SHEET NO. SHEET NAME 145-EJ

8

T171-TD-011 T171 - TELECOM DEMOLITION PLAN - FIRST FLOOR

EXISTING TELECOMM RACK ELEVATIONS

EXISTING TELECOMM RACK ELEVATIONS

EXISTING TELECOMM RACK ELEVATIONS

TELECOMM CABLE DEMOLITION SCHEDULES

TELECOMM CABINET ELEVATIONS - MDA and ER

**TELECOMM CABINET ELEVATIONS - HDA** 

T171-TN-011 T171 - TELECOM REMODEL PLAN - FIRST FLOOR

T171-TN-010 T171 - TELECOM DISTANCE ASSESSMENT

T296-TN-010 T296 - TELECOM DISTANCE ASSESSMENT

FIBER ONE LINE DIAGRAM

TELECOMM DETAILS

TELECOMM DETAILS

COPPER ONE LINE DIAGRAM

MCR MDA HDA CABLE ONE LINE

T296-TD-011 T296 - TELECOM DEMOLITION PLANS

T296-TN-011 T296 - TELECOM REMODEL PLANS

7

**VOLUME 2** 

TJ-001

TJ-002

TJ-003

TJ-004

TJ-005

TJ-006

TJ-007

TJ-008

TJ-009

TJ-010

TJ-011

TJ-012

TJ-013

TJ-014

TJ-015

TJ-016

TJ-017

145-EJ-001	<b>BUILDING 145 ELECTRICAL</b>
145-EJ-002	<b>BUILDING 145 ELECTRICAL</b>
145-EJ-003	<b>BUILDING 145 ELECTRICAL</b>
145-EJ-004	<b>BUILDING 145 ELECTRICAL</b>
146-EJ-001	<b>BUILDING 146 ELECTRICAL</b>
147-EJ-001	<b>BUILDING 145 ELECTRICAL</b>
148-EJ-001	<b>BUILDING 148 ELECTRICAL</b>
T171-EJ-001	<b>BUILDING T171 ELECTRICA</b>
T296-EJ-001	<b>BUILDING T296 ELECTRICA</b>

# FIRE PROTECTION

9

SHEET NO.	SHEET NAME
00-FP-001	FIRE PROTECTION GENERAL GDM NO
00-FP-002	FIRE EXTINGUISHER SIGNAGE REQUIF
MCR-FP-101	MCR FIRE ALARM FLOOR PLAN
MCR-FP-102	FIRE BARRIER PLAN – MCR
MCR-FP-103	FIRE SPRINKLER HAZARD CLASSIFICA
MCR-FP-104	CLEAN AGENT PLAN - MCR
MCR-FP-105	HYDRANT FLOW TEST INFORMATION

Α

\_\_\_\_\_

В

\_\_\_\_

С

\_\_\_\_

Ε

L ONE-LINE DIAGRAM ONE-LINE DIAGRAM L PANEL SCHEDULES PANEL SCHEDULES ONE-LINE DIAGRAM & PANEL SCHED ONE-LINE DIAGRAM & PANEL SCHED ONE-LINE-DIAGRAM & PANEL SCHED CAL ONE-LINE-DIAGRAM & PANEL SCHED CAL ONE-LINE DIAGRAM & PANEL SCHED

RAL GDM NOTES, DIAGRAM, AND LEGEND AGE REQUIREMENTS PLAN

CLASSIFICATION PLAN – MCR



Α

\_\_\_\_\_

R

\_\_\_\_\_

С

\_\_\_\_\_

D

\_\_\_\_\_

F

2

3

	NEW CAMPUS FIBER - A FEED						
TR SPACE		FIBER TYPE	TERMINATION POINT	APPROXIMATE DISTANCE(ET)	NOTES		
BLDG	ROOM			21017 4102(11)			
40A1	102A	24-STRAND OS2	B145 MCR RM 132	2450			
46A1	B105	24-STRAND OS2	B145 MCR RM 132	2625			
48A1	TE	24-STRAND OS2	B145 MCR RM 132	2175			
50A1	B102A	24-STRAND OS2	B145 MCR RM 132	2000			
53A1	TCB1	24-STRAND OS2	B145 MCR RM 132	2000			
85A1	101A	24-STRAND OS2	B145 MCR RM 132	3627			
88A1	B102D	24-STRAND OS2	B145 MCR RM 132	2350			
89A1	202	24-STRAND OS2	B145 MCR RM 132	2400			
90A1	102A	24-STRAND OS2	B145 MCR RM 132	2390			
103A1	102	24-STRAND OS2	B145 MCR RM 132	3000			
110A1	102	24-STRAND OS2	B145 MCR RM 132	1850			
113A1	B01	24-STRAND OS2	B145 MCR RM 132	760			
113A3	B29 - BIO MED	24-STRAND OS2	B145 MCR RM 132	725			
113A3	169	24-STRAND OS2	B145 MCR RM 132	645			
113A4	187A	24-STRAND OS2 B145 MCR RM 132		975			
113A5	EC1E	24-STRAND OS2	B145 MCR RM 132	925			
113A6	TCS103	24-STRAND OS2	B145 MCR RM 132	925			
113A7	216	24-STRAND OS2	24-STRAND OS2 B145 MCR RM 132				
137A1	104	24-STRAND OS2	B145 MCR RM 132	2200			
144A1	108	24-STRAND OS2	B145 MCR RM 132	3800			
145A1	122B	12-STRAND OS2, 24-STRAND OM4	B145 MCR RM 132	230			
145A2	229A	12-STRAND OS2, 24-STRAND OM4	B145 MCR RM 132	245			
145A3	329	12-STRAND OS2, 24-STRAND OM4	B145 MCR RM 132	260			
145A4	139B-ETRANCE ROOM	12-STRAND OS2, 24-STRAND OM4	B145 MCR RM 132	215			
145A5	EXISTING DEMARQ	12-STRAND OS2, 24-STRAND OM4	139B-ETRANCE ROOM	30	NOTE 1		
145A6	EXISTING MCR	48-STRAND OS2	B145 MCR RM 132	200	NOTE 2		
146A1	108	24-STRAND OS2	B145 MCR RM 132	650			
147A1	109	24-STRAND OS2	B145 MCR RM 132	2200			
148A1	A114A	24-STRAND OS2	B145 MCR RM 132	1002			
148A2	F108	24-STRAND OS2	B145 MCR RM 132	1202			
148A3	C106A	24-STRAND OS2	B145 MCR RM 132	802			
T171A	100	24-STRAND OS2	B145 MCR RM 132	2150			
T296A	104	24-STRAND OS2	B145 MCR RM 132	2550			

NOTES: 1.)FIBER FEED FROM DEMARC LOCATION TO NEW ENTRANCE ROOM.

2)FIBER UMBILICAL FROM EXISTING MCR CORES TO NEW MCR

\*ALL DISTANCES ARE APPROXIMATE. IT IS THE CONTRACTORS RESPONSIBILTY TO CONFIRM ACTUAL DISTANCES PRIOR TO ORDERING MATERIALS.

	NEW CAMPUS FIBER - B FEED							
	TR SPACE	FIBER TYPE		APPROXIMATE	NOTEO			
BLDG	ROOM		TERMINATION POINT	DISTANCE(FT)	NOTES			
40B1	102A	24-STRAND OS2 B145 MCR RM 132		2450				
46B1	B105	24-STRAND OS2 B145 MCR RM 132 2625		2625				
48B1	TE	24-STRAND OS2	B145 MCR RM 132	2175				
50B1	B102A	24-STRAND OS2	B145 MCR RM 132	2000				
53B1	TCB1	24-STRAND OS2	B145 MCR RM 132	1150				
85B1	101A	24-STRAND OS2	B145 MCR RM 132	3627				
88B1	B102D	24-STRAND OS2	B145 MCR RM 132	2350				
89B1	202	24-STRAND OS2	B145 MCR RM 132	2400				
90B1	102A	24-STRAND OS2	B145 MCR RM 132	2390				
103B1	102	24-STRAND OS2	B145 MCR RM 132	3000				
110B1	102	24-STRAND OS2	B145 MCR RM 132	1850				
113B1	B01	24-STRAND OS2	B145 MCR RM 132	620				
113B2	B29	24-STRAND OS2	B145 MCR RM 132	590				
113B3	169	24-STRAND OS2	B145 MCR RM 132	490				
113B4	187A	24-STRAND OS2	B145 MCR RM 132	810				
113B5	EC1E	24-STRAND OS2	B145 MCR RM 132	740				
113B6	TCS103	24-STRAND OS2	B145 MCR RM 132	870				
113B7	216	24-STRAND OS2	B145 MCR RM 132	765				
137B1	104	24-STRAND OS2	B145 MCR RM 132	2200				
144B1	108	24-STRAND OS2	B145 MCR RM 132	3800				
145B1	122B	12-STRAND OS2, 24-STRAND OM4	B145 MCR RM 132	230				
145B2	229A	12-STRAND OS2, 24-STRAND OM4	B145 MCR RM 132	245				
145B3	329	12-STRAND OS2, 24-STRAND OM4	B145 MCR RM 132	260				
145B4	139B-ETRANCE ROOM	12-STRAND OS2, 24-STRAND OM4	B145 MCR RM 132	215				
145B5	EXISTING MCR	48-STRAND OS2	B145 MCR RM 132	215				
146B1	108	24-STRAND OS2	B145 MCR RM 132	550				
147B1	109	24-STRAND OS2	B145 MCR RM 132	2200				
148B1	A114A	24-STRAND OS2	B145 MCR RM 132	500				
148B2	F108	24-STRAND OS2	B145 MCR RM 132	725				
148B3	C106A	24-STRAND OS2	B145 MCR RM 132	725				
T171B	100	24-STRAND OS2	B145 MCR RM 132	2150				
T296B	104	24-STRAND OS2	B145 MCR RM 132	2550				
NOTES:								

1.)FIBER FEED FROM DEMARC LOCATION TO NEW ENTRANCE ROOM.

2)FIBER UMBILICAL FROM EXISTING MCR CORES TO NEW MCR

\*ALL DISTANCES ARE APPROXIMATE. IT IS THE CONTRACTORS RESPONSIBILTY TO CONFIRM ACTUAL DISTANCES PRIOR TO ORDERING MATERIALS.

25-PAIR VOICE COPPER								
TR SPACE		CABLING TYPE		APPROXIMATE	NOTES			
BLDG	ROOM		TERMINATION POINT	DISTANCE(FT)	NUTES			
53V	TCB1	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	1150				
113V1	169	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	490				
113V2	187A	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	810				
113V3	TCS103	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	870				
144V	108	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	3800				
145V1	122B	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	230				
145V2	229A	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	245				
145V3	329	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	260				
146V1	108	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	550				
148V1	A114A	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	500				
148V2	F108	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	725				
148V3	C106A	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	725				
T296V	104	25-PAIR OSP BACK BONE CAT 5 CABLE	B145 ENTRANCE ROOM 137B	2550				

NUTES:

2

\*ALL DISTANCES ARE APPROXIMATE. IT IS THE CONTRACTORS RESPONSIBILTY TO CONFIRM ACTUAL DISTANCES PRIOR TO ORDERING MATERIALS.

Revisions:	Date:	
		LOW VOLTAGE GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 DAVE CLEM, RCDD

1

	SYMBOL LEGEND
SYMBOL	DESCRIPTION
—A———A——	'A' FEED FIBER ROUTING
—в———в———	'B' FEED FIBER ROUTING
_cc	CAT 6A ROUTING (SITE PLAN)
— AB —— AB ——	'A & B' FIBER ROUTING
V V	25-PAIR COPPER VOICE ROUTING
—BV ——BV ——	'B SIDE FIBER & VOICE COPPER' ROUTING
– CJ —— CJ ——	CAT 6A ROUTING (FLOOR PLANS)
(E)MH	EXISTING MANHOLE
(N)MH	NEW MANHOLE
FB	SECURITY SYSTEM CARD READER/KEYPAD COMBO
	MOTION DETECTOR
WAP	TELECOMMUNICATIONS OUTLET. WIRELESS ACCESS POINT
* *	
<b>V</b>	
$\boxtimes$	TELECOMM OUTLET MOUNTED IN FLOOR BOX.
[]	HILTI FIRE STOP SPEED SLEEVE
	TYPICAL TELECOMM OUTLET IDENTIFIERS: TR ROOM RACK NUMBER
XXX-X-XX-PX	PATCH PANEL LOCATON (RU#) PORT NUMBER
REX	EXISTING REQUEST TO EXIT
6	PAGING SYSTEM SPEAKER
ß	INERGEN SYSTEM SMOKE DETECTOR
æ	INERGEN SYSTEM HEAD
<b>S</b> D	FIRE ALARM SMOKE DETECTOR
×	FIRE ALARM STROBE LIGHT
	SECURITY CAMERA
	PLAN NOTE CALL OUT

5

4

ABBR	EVIATION LIST
A, AMP	AMPERE
ACP	ACCESSIBLE CARD PATH
ADA	AMERICAN DISABILITY ACT
AFC	
AFF	ABOVE FINISHED FLOOR
AG	ABOVE GROUND
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AL BCT	
BKR	BREAKER
С	CONDUIT
CKT	CIRCUIT
CO	CONDUIT AND PULL-ROPE ONLY
	COPPER
(E)	EXISTING
EC, E.C.	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EM	
EQFI (F)	FUTURE
FA	FIRE ALARM
FDR	FEEDER
G, GND	GROUND
GC, G.C.	
IDF	INTERMEDIATE DISTRIBUTION FRAME
J-BOX	JUNCTION BOX
LCP	LIGHTING CONTROL PANEL
LIU	
LIG	
LIS IV	
MH	MANHOLE
MM	MULTI-MODE
N	NEUTRAL
NEC	
OFCI	OWNER-FURNISHED CONTRACTOR-INSTALL
OFOI	OWNER-FURNISHED OWNER-INSTALLED
OL	OVERLOAD
Р	POLE
PB PDI	
PBB	PRIMARY BONDING BUSBAR
PRI	PRIMARY
(G)	REVISED
RBB	RACK BONDING BUSBAR
REF SEC	SECONDARY
SBB	SECONDARY BONDING BUSBAR
SM	SINGLE-MODE
SOW	SCOPE OF WORK
SPECS	
SW	STAINLESS STEEL SWITCH
TBB	TELECOM BONDING BACKBONE
ТС	TELECOMMUNICATION
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDI
IEL TUDU	
ι ΠΚΟ (ΤΥΡ)	TYPICAI
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
VLT	VAULT
W	
۷۷۳ (X)	
V Y	

6

7

# ARCHITECT/ENGINEER OF RECORD

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

4







VA U.S. Depar of Veterans

6

5

	GENERAL NOTES 1. PROVIDE COMPLETE WORK FOR REQUIREMENTS AS DESCRIBED ON LEGEND. REFER TO OTHER DISCIPLINE DRAWINGS FOR LOCATIONS OF FOURMENT AND DEVICES REQUIRED TO BE SUBPLIED WITH DOWER	<u>GE</u> 19.	ENERAL NOTES - CONT. CONTRACTOR SHALL BE RESPON RETURN FURNITURE, FIXTURES, A
	<ol> <li>INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: 2017 NATIONAL ELECTRICAL CODE (NEC), VA STANDARDS AND REQUIREMENTS, LOCAL, STATE, AND</li> </ol>		OR SECURE, PHI, PPI, AND PERSO WORK WITH THE COR.
	<ul> <li>3. PRIOR TO PREPARATION OF BID, VISIT JOBSITE AND EXAMINE EXISTING CONDITIONS. WORK SCOPE SHALL INCLUDE ALL COSTS FOR CUTTING,</li> </ul>	20.	EXISTING STRUCTURE AND FINIS EXISTING FINISHES. ANY ACCIDEN EXISTING CONDITIONS WILL BE T CONTRACTOR TO REPAIR OR CO
IMUNICATIONS	PATCHING AND CORE DRILLING REQUIRED TO INSTALL CONDUIT AND OTHER WIRING METHODS THROUGH EXISTING WALLS, FLOORS AND OTHER BUILDING ELEMENTS (NOT SHOWN ON DRAWINGS).		THE A/E HAS PARTIONED THE DR CONTRACTOR IS TO PROVIDE CO AND DRAWING SECTIONS TO ENS
	<ol> <li>PROVIDE SEPARATE AS BUILT SITE DRAWINGS, SHOWING ALL EXISTING UNDERGROUND UTILITIES, AND ALL NEW UNDERGROUND UTILITIES.</li> </ol>		EQUIPMENT, AND OTHER SERVIC ENTIRE CONTRACT.
	<ol> <li>PROVIDE TEMPORARY POWER FOR CONSTRUCTION. TEMPORARY POWER MAY BE IN THE FORM OF PORTABLE GENERATOR SET; CONNECTION TO UTILITIES COMPANY'S POWER SYSTEM OR EXISTING FACILITY'S ELECTRICAL SYSTEM.</li> </ol>	22.	REPLACEMENT OF CEILING TILES WORK SHIFT. IF THE TILES CANNO SYSTEM MAY BE CONSIDERED OF 1-HOUR FIRE RATED SEPARATION CONSTRUCTION AREA AND THE C
	<ol> <li>DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE LOCATIONS. FIELD VERIFY EXACT DEVICE, EQUIPMENT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S REPRESENTATIVE FOR PROPER INSTALLATION.</li> </ol>	23.	IF FLOOR OR RATED WALL PENET AT THE END OF THE WORK SHIFT
Ξ	7. SCHEMATIC DIAGRAMS AND RACEWAY ROUTING ARE SCHEMATIC AND DO NOT SHOW EXACT PHYSICAL ARRANGEMENT OF EQUIPMENT. WHERE INDICATED ON DRAWINGS, JUNCTION BOXES AND PULLBOXES		ADDITIONAL CABLES, TEMPORAR MINERAL WOOL SHOULD BE INST PROVIDE PROTECTION AGAINST UNSEALED PENETRATION.
	ARE MINIMUM REQUIREMENTS. PROVIDE FITTINGS AND PULLBOXES OF ADEQUATE SIZE IN RACEWAY SYSTEMS WHEREVER NECESSARY OR REQUIRED BY THE NEC OR LOCAL CODES. PROVIDE EXPANSION JOINT FITTINGS FOR RACEWAY PASSING THROUGH NEW OR EXISTING EXPANSION JOINTS INSTALLED BETWEEN BUILDINGS. VERIFY EXACT LOCATIONS AND DETAILS OF EXPANSION JOINTS PRIOR TO WORK. COORDINATE ALL RACEWAY ROUTING, PULLBOXES, AND EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS OF EQUIPMENT INSTALLATIONS.	24.	IF SCOPE OF WORK RESULTS IN I CONTRACTOR TO DISCUSS WITH ENCLOSURE MUS BE CONSTRUC SPRINKLERS INSTALLED TO MEE NFPA 241 (2019) PARAGRAPH 8.6.3
NSTALLED LED	8. RACEWAYS, CABLE SIZES AND ROUTES AS SHOWN REPRESENT INTENT OF INSTALLATION, BUT MAY NOT NECESSARILY REPRESENT THE COMPLETE WIRING COUNTS AND MINIMUM SIZES FOR CONNECTING THE CIRCUITS SHOWN. CONTRACTOR SHALL INCLUDE IN THE BID, ALL REQUIRED RACEWAY SIZES AND NUMBER OF CABLES IN ORDER TO PROVIDE ALL CABLES AS SHOWN.		
	<ol> <li>REFER TO SCHEDULES FOR CABLING REQUIREMENTS NOT INDICATED ON PLANS.</li> </ol>		
	10. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL OBSOLETE, ABANDONED, DEAD-ENDED, AND CUTOFF CATEGORY CABLES, IN THEIR ENTIRETY, LOCATED DURING ALL PHASES OF WORK PERFORMED.		
BONDING BUSBAR	11. INSTALLATION OF UNDERGROUND CABLING SYSTEMS SHALL INCLUDE EXCAVATION, CUTTING, PATCHING, BACKFILL, AND COMPACTION. DO NOT CUT OR DAMAGE ANY EXISTING UTILITIES, STRUCTURAL MEMBERS, OR BUILDING FOUNDATIONS. VERIFY EXISTING CONDITIONS PRIOR TO EXCAVATION WORK. INCLUDE COST FOR UNDERGROUND LOCATOR SERVICE TO IDENTIFY LOCATIONS OF EXISTING COMPONENTS. HAND EXCAVATE IN LOCATIONS WHERE EXISTING UNDERGROUND COMPONENTS ARE SUBJECT TO DAMAGE. REPAIR DAMAGE TO EXISTING UTILITIES OR BUILDING STRUCTURE TO OWNER'S SATISFACTION AT THE CONTRACTORS EXPENSE.		
	12. PROVIDE PULL-ROPES IN ALL EMPTY CONDUITS.		
	13. CONDUIT OR OTHER ELECTRICAL COMPONENTS SHALL NOT BE INSTALLED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED BY A STRUCTURAL ENGINEER. ALL CORE DRILLING FOR RACEWAY INSTALLATION, SHALL BE THE RESPONSIBILITY OF THE E.C.		
	14. COORDINATE PAINTING WORK OF ELECTRICAL ITEMS WITH GENERAL CONTRACTOR. SEE PAINTING SPECIFICATIONS FOR REQUIREMENTS.		
	15. CONTRACTOR TO PROVIDE ADDITIONAL CABLE LENGTH, ADDED TO FIELD MEASURED LENGTH, OF COPPER AND FIBER OPTIC CABLE FOR ONE 10' SERVICE LOOP AT EACH END WITHIN EACH TELECOMMUNICATIONS SPACE. IN ADDITION TO THE SERVICE LOOPS, CONTRACTOR SHALL ALSO SUPPLY ADDITIONAL LENGTH FOR SITE BACKBONE CABLING AS NOTED IN CABLING SCHEDULES SHOWN ON TELECOM SHEETS FOR FUTURE RELOCATION OF CABLING TO NEW BUILDING LOCATION AND SERVICE LOOP IN EACH VAULT OF AT LEAST 16'.		
	16. ALL NEW INTERIOR AND EXTERIOR EXPOSED CONDUIT, BOXES AND SUPPORTS TO BE PAINTED TO MATCH EXISTING SURFACE.		
	17. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO THOROUGHLY CLEAN EXISTING FIRE STOPPING MATERIAL FROM ALL CONDUIT AND SLEEVING AFTER REMOVAL OF EXISTING CABLING. CONTRACTOR SHALL PROVIDE NEW FIRE STOPPING MATERIAL AND ENSURE PROPER SEALING OF CONDUITS AND SLEEVING AS REQUIRED. SEE SPECIFICATIONS SECTION 07 84 00 FIRE STOPPING FOR ADDITIONAL INFORMATION AND REQUIREMENTS.		
	18. CONTRACTOR TO PROVIDE APPROPRIATE TEMPORARY SUPPORT OF ALL EXISTING CABLING AS REQUIRED IN EXISTING TR'S THAT ARE BEING REUSED/RESIZED. ONCE ROOM BUILD OUT IS COMPLETE, CONTRACTOR TO SUPPLY PERMANENT SUPPORT STRUCTURE FOR ALL EXISTING CABLES IN A MANNER THAT DOES NOT REQUIRE CABLE REPLACEMENT FOR EXISTING SYSTEMS TO REMAIN.		

8

9

of Tion Ities	DRAWING TITLE LEGEND, ABBREVIATIONS, AND GENERAL NOTES	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTR UPGRADES	UCTL
IENT	APPROVED: Project Director	FLS	FORT MEADE, S	OUTH
artment ns Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	DJC
	7	8	9	

NSIBLE TO TEMPORARILY MOVE AND , AND EQUIPMENT WITHIN SPACES AS DAY'S WORK. THE VA WILL REMOVE, SONAL PROPERTY. COORDINATE THIS

Α

В

С

\_\_\_\_\_

D

\_\_\_\_\_

Е

\_\_\_\_

BE GIVEN TO THE PROTECTION OF SHES TO PREVENT ANY DAMAGE OF ENTAL DAMAGE INCURRED TO THE RESPONSIBILITY OF THE DRRECT.

RAWINGS INTO SECTIONS. THE PRIME OORDINATION AMONG THE TRADES NSURE ALL MATERIALS, LABOR, CES ARE PROVIDED TO FULFILL THE

S IS REQUIRED AT THE END OF EACH NOT BE REPLACED, THE SPRINKLER OUT OF SERVICE IN THESE AREAS AND ON WILL BE REQUIRED BETWEEN THE OCCUPIED PORTIONS OF THE

TRATIONS CANNOT BE FIRESTOPPED T DUE TO THE NEED TO PULL RY FIRESTOPPING COMPOSED OF TALLED IN THE PENETRATION TO FIRE/SMOKE SPREAD THROUGH THE

LONG-TERM CEILING REMOVAL, H COR WHETHER A RATED CTED OR TEMPORARY UPRIGHT ET NFPA REQUIREMENTS. REFER TO

JCTURE



PROJECT NUMBER 568-21-701 **BUILDING NUMBER** \_\_\_\_ DRAWING NUMBER

00-TG-001





CTION ITIES IENT	TELECOMMUNICATIONS SITE PLAN APPROVED: Project Director	TUU% CONSTRUCTION DOCUMENTS FLS	EHRM INFRASTRUCTURE UPGRADES
	DRAWING TITLE	PHASE	KEY PLAN       SCALE: NTS
		TS-001	TS-004
1	17		
			TS-003
			THIS DRAWING WAS P AS-BUILT DRAWINGS A MAY NOT REPRESENT CONDITION. DISCREPA AND IT IS THE CONTRA FIELD VERIFY ALL CON
лвАв 32	AB AB AB AB AB AB		
	1 144A1 144B1 144V (1)2"C 'A' FEED FIBER (1)2"C 'B' FEED FIBER AND VOICE		
	46		
	<u>T-296</u>		
	40		
	38		ROUTING OF CAT6A CABLING.
			<ul> <li>CONTRACTOR TO REMOVE EXIS EXISTING PULL BOX. MAINTAIN NEW 2" CONDUIT INTO ATTIC FO BLDG 85.</li> <li>CONTRACTOR TO INTERCEPT E NEW PULL BOX. RE-USE EXISTING</li> </ul>
	[ <u>T-296∨</u> ] (1)4"C '∕ (1)4"C 'E		PLAN NOTES1PROVIDE NEW CONDUIT DUCTE QUANTITY AS SHOWN.2NEW FIBER ROUTED IN EXISTIN
			ALLOWED BY SPECIFICATIO 7. ALL NEW CONDUIT SHALL E 8. ALL NEW FIBER RUNS SHAI AND PULL BOX.
			6. NEW CONDUIT PATHWAYS DIAGRAMMATIC. THE PATH CONNECTIONS BETWEEN E ACTUAL FIELD INSTALLATIC TREE DRIP LINES AND ANY CONDUIT RUNS MUST UTIL
	a a a a a a a a a a a a a a a a a a a		<ol> <li>CONTRACTOR SHALL MAKE MANHOLES WATER TIGHT.</li> <li>CONTRACTOR SHALL MAKE MANHOLES WATER TIGHT. CONDUIT PENETRATIONS.</li> </ol>
			CONTRACTOR SHALL PROV EACH END AND 16' WITHIN AS WELL AS ANY ADDITION DRAWINGS.

FOR OFFICIAL USE ONLY (FOUO)

7

7

FULLY SPRINKLERED

CHECKED BY DRAWN BY **ISSUE DATE** 11/05/2024 DJC

# **GENERAL NOTES**

9

ALL NEW CONDUIT DUCT BANK TO BE ENCASED IN 3000 PSI CONCRETE DYED ORANGE.

2. ALL FIBER CABLING ROUTED IN 3-CELL INNERDUCT.

3. ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTES. ALL LENGTHS LISTED IN K, SHOWN ON 000-TG-001, ARE APPROXIMATE. RACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS LL AS ANY ADDITIONAL LENGTH AS NOTED IN 'TN' INGS.

> RACTOR SHALL MAKE ALL NEW CONDUITS AND OLES WATER TIGHT.

RACTOR SHALL MAKE ALL PENETRATIONS INTO EXISTING IOLES WATER TIGHT. THIS IS TO INCLUDE EXISTING JIT PENETRATIONS.

ONDUIT PATHWAYS AS DEPICTED ARE INTENDED TO BE AMMATIC. THE PATHWAYS AS SHOWN INDICATE CTIONS BETWEEN BUILDINGS AND/OR STRUCTURES. L FIELD INSTALLATION SHALL AVOID ALL AREAS WITHIN DRIP LINES AND ANY DEVIATION FROM STRAIGHT JIT RUNS MUST UTILIZE ELBOWS WITH RADIUS AS ED BY SPECIFICATIONS.

EW CONDUIT SHALL BE LABELED AT BOTH ENDS. EW FIBER RUNS SHALL BE LABELED IN EACH MANHOLE PULL BOX.

EW CONDUIT DUCTBANK. PROVIDE CONDUIT SIZE AND AS SHOWN.

В

С

ROUTED IN EXISTING TELECOM DUCT BANK. FOR TO REMOVE EXISTING CONDUIT COMING OUT OF PULL BOX. MAINTAIN EXISTING PULL BOX AND PROVIDE NDUIT INTO ATTIC FOR ROUTING OF NEW CAT6A OUT TO

TOR TO INTERCEPT EXISTING 2"C. ON WALL. PROVIDE BOX. RE-USE EXISTING RACEWAY INTO ATTIC FOR F CAT6A CABLING.



AH

00-TS-001



В









# GENERAL NOTES

1. ALL NEW CONDUIT DUCT BANK TO BE ENCASED IN 3000 PSI CONCRETE DYED ORANGE.

2. ALL FIBER CABLING ROUTED IN 3-CELL INNERDUCT.

3. ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTES. ALL LENGTHS LISTED IN MATRIX, SHOWN ON 000-TG-001, ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS AS WELL AS ANY ADDITIONAL LENGTH AS NOTED IN 'TN'

4. CONTRACTOR SHALL MAKE ALL NEW CONDUITS AND

5. CONTRACTOR SHALL MAKE ALL PENETRATIONS INTO EXISTING MANHOLES WATER TIGHT. THIS IS TO INCLUDE EXISTING CONDUIT PENETRATIONS.

6. NEW CONDUIT PATHWAYS AS DEPICTED ARE INTENDED TO BE DIAGRAMMATIC. THE PATHWAYS AS SHOWN INDICATE CONNECTIONS BETWEEN BUILDINGS AND/OR STRUCTURES. ACTUAL FIELD INSTALLATION SHALL AVOID ALL AREAS WITHIN TREE DRIP LINES AND ANY DEVIATION FROM STRAIGHT CONDUIT RUNS MUST UTILIZE ELBOWS WITH RADIUS AS

7. ALL NEW CONDUIT SHALL BE LABELED AT BOTH ENDS. 8. ALL NEW FIBER RUNS SHALL BE LABELED IN EACH MANHOLE

В

\_\_\_\_\_

С

2 NEW FIBER ROUTED IN EXISTING TELECOM DUCT BANK.





В



В



DRAWING TITLE

FIRST FLOOR

APPROVED: Project Director

7

40-TELECOM DEMOLITION PLAN -

FOR OFFICIAL USE ONLY (FOUO)

PHASE

FLS

100% CONSTRUCTION

FULLY SPRINKLERED

DOCUMENTS

8

9

# DEMOLITION GENERAL NOTES

- CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION. COORDINATE THIS WORK WITH THE COR.
- RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED
- PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. 9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

# KEY NOTES

- PATCH PANELS AND CABLING IS INSTALLED. TO SOURCE.
- PLACE AFTER NEW SYSTEM IS INSTALLED.





1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS

WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED

CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK

3 EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BETs, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE

\_\_\_\_\_



4	5	·.、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、、	6	7	8	
	541.436.4723 ADAM GODDIN, PE	RS David Clem BICSI ID # 164277 Expires 12-31-24 RCDD	WIANAGEWIEN IVAU.S. Department of Veterans Affair	s FOR OFFICIAL USE ONLY (F	OUO)	FORT MEADE, SOUT ISSUE DATE 11/05/2024 DJ
 DO	ARCHITECT/ENGINEER OF RECORD A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685	STAMP STAMP	OFFICE OF CONSTRUCTION AND FACILITIES	40 - TELECOM DISTANCE ASSESSMENT APPROVED: Project Director	100% CONSTRUCTION DOCUMENTS FLS	EHRM INFRASTRUCT UPGRADES
				DRAWING TITLE	PHASE	PROJECT TITLE
m						
	80m	$\rightarrow$				
n						MOUNTED RACEWAY AND BOXES. ( RACEWAY OR BOX IS NOT USABLE TO THE EXTENT REQUIRED. AT REC LOOP IN CEILING SPACE OF ROOM, BOX IN OPEN/HARD LID AREAS TO F SHALL BE TESTED AND PROVEN TO SWAP. 17. CONTRACTOR TO PROVIDE ALL NE FOR ROUTING NEW CATEA CABLING
×						CABLING DURING HOT CUTOVER. II DETERMINE OVERALL CABLE LENG SHOWN AND COIL IN CORRIDOR NE EXISTING PENETRATION IS NOT AD TO PROVIDE NEW PATHWAY SIZED ALL CORING AND FIRESTOPPING A 16. FOR ALL NEW TELECOMM OUTLET AREA OUTLET LOCATION. CONTRA AT THAT LOCATION FOR ROUTING
	N N					<ol> <li>14. COORDINATE ALL LOW VOLTAGE W ADEQUATE INTERFACE OF THEIR W CONTRACTOR SHALL PROVIDE COO FABRICATION AND INSTALLATION.</li> <li>15. CONTRACTOR TO RE-USE ALL EXIS PATHWAY IF EXISTING PATHWAY IN ROUTE NEW CABLING INTO ROOM W DETERMINE IF EXISTING PENETRAT CABLING DURING HOT CUTOYER IN</li> </ol>
						<ol> <li>PROVIDE STAINLESS STEEL COVER RE-USED.</li> <li>CONTRACTOR TO PROVIDE ACCESS</li> <li>CONTRACTOR SHALL BE RESPONS FIXTURES, AND EQUIPMENT WITHIN WORK. THE VA WILL REMOVE, OR S COORDINATE THIS WORK WITH THE</li> <li>CABLE TRAY IN ALL TR'S TO BE WIF TRAY</li> </ol>
						FLEX CONDUIT SHALL BE RECESSE CONTRACTOR TO PROVIDE SURFA AND BOX IN UNFINISHED SPACES. PAINTING AS REQUIRED FOR INSTA NEW RACEWAYS WHETHER SURFA CEILING SPACE OF SUSPENDED CE ROUTE TO CORRIDOR PATHWAY S' INFORMATION AND REQUIREMENTS REQUIREMENTS OF SPECIFICATION
						<ol> <li>IN GENERAL, DROP LOCATIONS AR RESPONSIBLE TO CONFIRM ALL OU</li> <li>COORDINATE WITH ARCHITECTURA IN NEW TR'S.</li> <li>FOR ALL NEW TELECOMM OUTLET AREA OUTLET LOCATION: CONTRAC FLEX CONDUIT, FACEPLATE, JACKS FLEX CONDUIT, SHALL BE RECESSE</li> </ol>
						<ul> <li>CASSETTE. ALL LENGTHS LISTED IN CONTRACTOR'S SOLE RESPONSIBI PURCHASE OF FACTOR TERMINATE ADDITIONAL LENGTH AT EACH END</li> <li>5. TERMINATE FIBER CABLING WITH N IN TELECOMMUNICATION RACKS.</li> <li>6. CONTRACTOR TO PROVIDE NEW J- OPTIC CABLE IN ACCESSIBLE SPAC INSTALLATION OF J-HOOKS.</li> </ul>
						<ol> <li>FOR NEW CONDUIT INSTALLATIONS WALLS AND FLOORS, CONTRACTOF FIRE STOPPING AS REQUIRED.</li> <li>ALL NEW FIBER SHALL BE ROUTED ROUTING FROM POINT OF ENTRY T EXISTING PATHWAYS AS REQUIRED</li> <li>ALL FIBER OPTIC CABLES ARE TO B CASSETTE ALL ENCIUS LISTED IN</li> </ol>
						1. CONTRACTOR TO PROVIDE ALL CO SIZED AS REQUIRED FOR ROUTING EXPOSED AND NON ACCESSIBLE C HILTI SPEED SLEEVES IN ACCESSIB

<u>GENERAL NOTES</u>

9

CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE NG OF TELECOMMUNICATIONS CABLING IN WALLS, E CEILING AREAS. PATHWAY PENETRACTIONS SHALL BE SIBLE CEILINGS. DNS THAT PENETRATE THROUGH EXISTING CONCRETE TOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND ED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR Y TO TERMINATION RACK AND SHALL UTILIZE NEW AND RED. O BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE D IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE SIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO ATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ND AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS. H NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES S.	Α
/ J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER PACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR	
ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS OUTLET LOCATIONS ON SITE. JRAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS	
ET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK RACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" CKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND SSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, FACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT S. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND STALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL RACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL Y SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL NTS. CABLING SHALL BE TESTED AND PROVEN TO MEET IONS DURING HOT SWAP. /ER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING	В
ESS PANELS IN HARD CEILINGS AS REQUIRED. NSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, 'HIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S R SECURE, PHI, PPI, AND PERSONAL PROPERTY. THE COR. WIRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF	
E WORK WITH OTHER TRADES TO ENSURE PROPER AND R WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO N. XISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR	
Y INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO M WITH EXISTING CABLING IN PLACE. CONTRACTOR TO RATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING R. IF PATHWAY CAN BE RE-USED CONTRACTOR TO NGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR ED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE G AS REQUIRED. ET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK RACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE IG OF CABLING. IF EXISTING LOCATION IS SURFACE S. CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE LE DUE TO DAMAGE. CONTRACTOR TO PROVIDE SERVICE DM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT	С
NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS ING.	
	D

PROJECT NUMBER 568-21-701 CTURE BUILDING NUMBER 40 DRAWING NUMBER UTH DAKOTA CKED BY DRAWN BY 040-TN-010 DJC AH 



	ARCHITECT/ENGIN A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685 541.436.4723 ADAM GODDIN, PE	NEER OF RECORD	STAMP STAMP STAMP STAMP STATIONS DIST PAYNY Clem BICSI ID # 164277 Expires 12-31-24 RCDD	O CON AND MAN	FFICE OF STRUCTION FACILITIES AGEMENT U.S. Department of Veterans Affairs
4		5		6	

PART #

CUBE-IT 24"H"X24"W"X30"D WALL MOUNT

CABINET WITH DUAL-FAN AND FILTER KIT

APC SMX3000RMLV2U

APC AP9560

NOTE 1

(NOTE 3)

13930-701 OR APPROVED EQUAL

HIGH DENSITY ANGLED | LEVITON #E2X1A-S48 OR APPROVED EQUAL

RACK EQUIPMENT SCHEDULE - WALL MOUNT CABINET

TYPE

WALL MOUNT CABINET

3KVA

1RU

NOTE 1

48-PORT

HORIZONTAL CABLE

MANAGER

1. SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-009 AND TJ-010 FOR ADDITIONAL INFORMATION.

3. PROVIDE LEVITON #E2XHD-CMB REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.

NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.

2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.

9

**GENERAL NOTES** 

1.	CONTRACTOR TO PROVIDE ALL C
	SIZED AS REQUIRED FOR ROUTIN
	EXPOSED AND NON ACCESSIBLE
	HILTI SPEED SLEEVES IN ACCESS
2.	FOR NEW CONDUIT INSTALLATION
	WALLS AND FLOORS, CONTRACTO
	FIRE STOPPING AS REQUIRED.
3.	ALL NEW FIBER SHALL BE ROUTED
	ROUTING FROM POINT OF ENTRY
	EXISTING PATHWAYS AS REQUIRE
4.	ALL FIBER OPTIC CABLES ARE TO
	CASSETTE. ALL LENGTHS LISTED
	CONTRACTOR'S SOLE RESPONSIE
	PURCHASE OF FACTOR TERMINAT
	ADDITIONAL LENGTH AT EACH EN
_	

- IN TELECOMMUNICATION RACKS.
- IN NEW TR'S.

- RE-USED.
- TRAY.
- FABRICATION AND INSTALLATION.
- SWAP

# KEY NOTES

PROJ	ECT	KEY	P

![](_page_12_Picture_25.jpeg)

7

EQUIPMENT QTY

CABLE MANAGER NOTE 2

1

2

NOTE 1

NOTE 2

RACK

UPS

PDU

FIBER ENCLOSURE

PATCH PANELS

PHASE 100% CONSTRUCTION DOCUMENTS FLS

FULLY SPRINKLERED

![](_page_12_Picture_28.jpeg)

<b>Q</b>	
11/05/2024	
ISSUE DATE	CHI
FORT MEADE,	SO
LOCATION	

![](_page_12_Picture_30.jpeg)

FOR OFFICIAL USE ONLY (FOUO)

7

![](_page_12_Picture_38.jpeg)

![](_page_13_Figure_0.jpeg)

ON	46-TELECOM DEMOLITION PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRA	STRUC
NT	APPROVED: Project Director	FLS	LOCATION FORT MEAD	e, sou
nent Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHEC
	7	8	9	

![](_page_13_Picture_2.jpeg)

# PROJECT KEY PLAN

![](_page_13_Picture_4.jpeg)

![](_page_13_Picture_5.jpeg)

8

7

TO SOURCE. PLACE AFTER NEW SYSTEM IS INSTALLED.

1

KEY NOTES

9

- 1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION. 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR. 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND

- 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS
- 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS 8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE.

- PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

# **DEMOLITION GENERAL NOTES**

- RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM 9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY
- AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED
- CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

# EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED. 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK

3 EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BETS, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE

\_\_\_\_\_

![](_page_14_Figure_0.jpeg)

	7	8		9	
ent ffairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY S	SPRINKLERED	ISSUE DATE 11/05/2024	CHECKED B DJC
:5 T	APPROVED: Project Director	FLS		LOCATION FORT MEADE, SOUTH	
)N =s	46 - TELECOM DISTANCE ASSESSMENT	100% CONS DOCUMENT	TRUCTION S	EHRM INFRA UPGRADES	STRUCTUR
	DRAWING TITLE	PHASE		PROJECT TITLE	

# 5. TERMINATE FIBER CABLING WITH I IN TELECOMMUNICATION RACKS. 6. CONTRACTOR TO PROVIDE NEW J-OPTIC CABLE IN ACCESSIBLE SPACE INSTALLATION OF J-HOOKS. 7. IN GENERAL, DROP LOCATIONS AR RESPONSIBLE TO CONFIRM ALL OL 8. COORDINATE WITH ARCHITECTUR IN NEW TR'S. 9. FOR ALL NEW TELECOMM OUTLET AREA OUTLET LOCATION: CONTRAC FLEX CONDUIT, FACEPLATE, JACKS FLEX CONDUIT SHALL BE RECESSE CONTRACTOR TO PROVIDE SURFA AND BOX IN UNFINISHED SPACES. ( PAINTING AS REQUIRED FOR INSTA NEW RACEWAYS WHETHER SURFA CEILING SPACE OF SUSPENDED C ROUTE TO CORRIDOR PATHWAY S INFORMATION AND REQUIREMENT REQUIREMENTS OF SPECIFICATIO 10. PROVIDE STAINLESS STEEL COVER RE-USED. 11. CONTRACTOR TO PROVIDE ACCES 12. CONTRACTOR SHALL BE RESPONS FIXTURES, AND EQUIPMENT WITHIN WORK. THE VA WILL REMOVE, OR S COORDINATE THIS WORK WITH TH 13. CABLE TRAAY IN ALL TR'S TO BE W TRAY. 14. COORDINATE ALL LOW VOLTAGE V

- ADEQUATE INTERFACE OF THEIR V CONTRACTOR SHALL PROVIDE CO FABRICATION AND INSTALLATION. 15. CONTRACTOR TO RE-USE ALL EXIS PATHWAY IF EXISTING PATHWAY IN ROUTE NEW CABLING INTO ROOM DETERMINE IF EXISTING PENETRA CABLING DURING HOT CUTOVER. I DETERMINE OVERALL CABLE LENG SHOWN AND COIL IN CORRIDOR NE EXISTING PENETRATION IS NOT AD TO PROVIDE NEW PATHWAY SIZED ALL CORING AND FIRESTOPPING A 16. FOR ALL NEW TELECOMM OUTLET AREA OUTLET LOCATION. CONTRA AT THAT LOCATION FOR ROUTING MOUNTED RACEWAY AND BOXES. RACEWAY OR BOX IS NOT USABLE TO THE EXTENT REQUIRED. AT RE LOOP IN CEILING SPACE OF ROOM BOX IN OPEN/HARD LID AREAS TO F SHALL BE TESTED AND PROVEN TO SWAP.
- 17. CONTRACTOR TO PROVIDE ALL NE FOR ROUTING NEW CAT6A CABLING

8

7

IN TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE	
QUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, ND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRACTIONS SHALL BE ) SLEEVES IN ACCESSIBLE CEILINGS.	
DNDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND	
ING AS REQUIRED. BER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND	
ATHWAYS AS REQUIRED.	
ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE DR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO	
OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.	
FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES IMUNICATION RACKS.	
IR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER E IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR	
JN OF J-HOOKS. ., DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS	_
E WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS	
W TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK	
JIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND JIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE.	
R TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND	
3 REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL VAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO	
ICE OF SUSPENDED CEILING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL	
NTS OF SPECIFICATIONS DURING HOT SWAP.	
IN TO FROM DE ACCESS PANELS IN MARD CEILINGS AS REQUIRED. IR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, IND FOUNDMENT WITHIN SPACES AS REQUIRED TO COMPLETE FACH DAY'S	
VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. E THIS WORK WITH THE COR.	
Y IN ALL TR'S TO BE WIRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF	
E ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND NTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS.	
)R SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO N AND INSTALLATION.	
Image: Construction of the second	
IF EXISTING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING IRING HOT CUTOVER IF PATHWAY CAN BE RE-USED CONTRACTOR TO	
OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF	
INETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE	
AND FIRESTOPPING AS REQUIRED. W TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK	
ET LOCATION. CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE CATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE	
ACEWAY AND BOXES. CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE R BOX IS NOT USABLE DUE TO DAMAGE. CONTRACTOR TO REPLACE WITH NEW ENT REQUIRED. AT RECESSED LOCATIONS. CONTRACTOR TO PROVIDE SERVICE	
LING SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED WHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING	
ESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT	
)R TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS IG NEW CAT6A CABLING.	
IG NEW CATUA CADEING.	
	_
	NUN NON ACCESSIBLE CELLING AREAS, PATHWAY PENETRACTIONS SHALL BE DIELEVES IN ACCESSIBLE CELLINGS. SONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE PICORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND BER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROM POINT OF ENTRY TO TEMINATION RACK AND SHALL UTILIZE NEW AND ATHWAYS AS REQUIRED. DIFL CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE OR'S SOLE RESPONSIBILIT TO VERIFY REQUIRED LENGTHS PROVIDE 10' OF LENGTH AT EACH END AND 16' WITHIN EACH VALUE FOR SERVICE LOOPS. FIBER CABLING WITH INEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES WINUNCATION RACKS. OR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER LEI NACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPLITEINANCES FOR ON 0'F J-HOOKS. L, DROP LOCATIONS ANE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS LEI TO CONFIRM ALL OUTLE LOCATIONS INDICATION STIC. TE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS S. UTELECOMM OUTLET LOCATIONS INDICATING 3 OF A CATEA CABLES AT AWORK ET LOCATION ON THACTOR TO PROVIDE HEW RAMDAL S-SQUARE BOX. 1.1.4" UIT, FAGELTAE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND UIT, FAGELTAE, JACKS ON CABLE. WHEREVER POSSIBLE THE BOXES AND UIT, FAGELTAE, JACKS ON CABLE. WHEREVER POSSIBLE THE BOXES AND UIT, FAGELTAE, JACKS ON CABLE. WHEREVER POSSIBLE TO SONE BOX. 1.1.4" WINGT, FAGELTAE, JACKS ON CABLE. WHEREVER POSSIBLE TO BOXES AND THESE SCUCCEDON ON TRACCTOR TO PROVIDE NEW RANDALS S-SQUARE BOX. 1.1.4" WINGT, FAGELTAE, JACKS ON CABLE. WHEREVER POSSIBLE TO BOXES AND THESE STOLES STREED COUNT ACTOR TO PROVIDE ALL CUTTING, PATCHING, AND S REQUIRED ON TRACEMANY IN FIRSLESSING IS NOT POSSIBLE, OT TO PROVIDE SUBRACE ON TRACETOR TO PROVIDE ALL CUTTING, PATCHING, AND S REQUIRED ON TRALLTRACE ON TRACES TO TO SUBME. CONTRACTOR, UNTIN SPACES AS REQUIRED TO COMPLETE BOXES NOT BEING ON TO PROVIDE ACCESSIS DACKS ON TRACES AS RECUINTED LINE WINCH THE SUBRED C

CTURE

![](_page_14_Picture_12.jpeg)

![](_page_15_Figure_0.jpeg)

	$4^{(N)SBB}$ $B105-TE-1(1)$ $ENLARGED PLAN - F$ $1/4" = 1'-0"$	RM. B105		VA MEDICAL CL FORT MEADE	ENTER E, SD
ON	DRAWING TITLE 46-TELECOM REMODEL PLANS	PHASE 100% CONSTRUCT DOCUMENTS	ION	PROJECT TITLE EHRM INFRAST UPGRADES	[RUC
NT ment Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FLS FULLY SPRIN	KLERED	LOCATION FORT MEADE, ISSUE DATE 11/05/2024	SOU <sup>-</sup> Checi
	7	8		9	

VAULT

19-5-6

B105

B105-1-

			5	ALL TR ROO PROVIDE N
				PANEL AND REQUIRED.
			6	SEE DETAIL DEVICES R
			7	PROVIDE N FOR ADDIT

5)5

- INFORMATION.
- KEY NOTES

- FABRICATION AND INSTALLATION.
- RE-USED. TRAY.
- IN NEW TR'S.
- IN TELECOMMUNICATION RACKS. INSTALLATION OF J-HOOKS.
- EXISTING PATHWAYS AS REQUIRED.

10

9

- RACK.

![](_page_15_Picture_36.jpeg)

- RACK EQUIPMENT SCHEDULE WALL MOUNT CABINET TYPE PART # CUBE-IT 48"H"X24"W"X30"D WALL MOUNT WALL MOUNT CABINET CABINET WITH DUAL-FAN AND FILTER KIT 3KVA APC SMX3000RMLV2U 1RU APC AP9560 NOTE 1 NOTE 1
- FIBER ENCLOSURE NOTE 1 NOTE 2 48-PORT
- HIGH DENSITY ANGLED | LEVITON #E2X1A-S48 OR APPROVED EQUA PATCH PANELS (NOTE 3) HORIZONTAL CABLE CABLE MANAGER NOTE 2 13930-701 OR APPROVED EQUAL MANAGER

8

- NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT. 1. SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-009 AND TJ-010 FOR ADDITIONAL INFORMATION. 2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.
- 3. PROVIDE LEVITON #E2XHD-CMB REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.

7

EQUIPMENT

RACK

UPS

PDU

QTY

![](_page_16_Figure_0.jpeg)

1

2

3

7.Г
/

5

6

		TONT MEADE, SD
DRAWING TITLE	PHASE	PROJECT TITLE
48-TELECOM DEMOLITION PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUC UPGRADES
APPROVED: Project Director	FLS	LOCATION FORT MEADE, SOL
FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE CHE 11/05/2024
7	8	9
	DRAWING TITLE 48-TELECOM DEMOLITION PLANS APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	DRAWING TITLE       PHASE         48-TELECOM DEMOLITION PLANS       100% CONSTRUCTION         DOCUMENTS       DOCUMENTS         APPROVED: Project Director       FLS         FOR OFFICIAL USE ONLY (FOUO)       FULLY SPRINKLERED         7       8

7

8

# DEMOLITION GENERAL NOTES

9

KEY NOTES

TO SOURCE.

3

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

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM. 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED

CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

# 1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED.

2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BETS, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.

![](_page_16_Figure_72.jpeg)

![](_page_17_Picture_0.jpeg)

# CONSULTANT

LOW VOLTAGE GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 DAVE CLEM, RCDD

# **Revisions:**

Date:

2

2

1

Α

\_\_\_\_\_

В

\_\_\_\_

С

\_\_\_\_

D

F

3

4

1

![](_page_17_Figure_8.jpeg)

5

6

7

8

9

# TELECOM DISTANCE ASSESSMENT - BLDG 48

# ARCHITECT/ENGINEER OF RECORD STAMP OFFICE OF NICATIONS DIST, CONSTRUCTION <u>A/E</u> GDM BICSI David Llem AND FACILITIES 1308 NE 134TH ST SUITE A GDM VANCOUVER, WA 98685 MANAGEMENT 541.436.4723 BICSI ID # 164277 Expires 12-31-24 RCDD ARCHITECTS • ENGINEER ADAM GODDIN, PE VA U.S. Department of Veterans Affairs 4 5

DRAWING TITLE	PHASE	PROJECT TITLE		
48 - TELECOM DISTANCE ASSESSMENT	100% CONSTRUCTION DOCUMENTS	EHRM INFRAS	TRUCTURE	
APPROVED: Project Director	FLS	LOCATION FORT MEADE	, SOUTH DA	КОТА
FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECKED BY DJC	DRAWN BY AH
7	8	9		

<ul> <li>GENERAL NOTES</li> <li>CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATION EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY F HILTI SPEED SLEEVES IN ACCESSIBLE CEILINGS.</li> <li>FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROU</li> </ul>	DUIT. CONDUIT SLEEVES TO BE IS CABLING IN WALLS, PENETRACTIONS SHALL BE JGH EXISTING CONCRETE
WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL COR FIRE STOPPING AS REQUIRED.	
ROUTING FROM POINT OF ENTRY TO TERMINATION RACK ANE EXISTING PATHWAYS AS REQUIRED.	A D SHALL UTILIZE NEW AND
CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-00° CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR	1, ARE APPROXIMATE. IT IS THE LENGTHS PRIOR TO SHALL PROVIDE 10' OF
ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAU 5. TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES W IN TELECOMMUNICATION RACKS	ILT FOR SERVICE LOOPS. ITHIN NEW FIBER ENCLOSURES
<ol> <li>CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRE OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE A NOTALIJATION OF HUDDIG</li> </ol>	D FOR ROUTING OF FIBER LL APPURTENANCES FOR
<ol> <li>INSTALLATION OF J-HOOKS.</li> <li>IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANC RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.</li> </ol>	CE ONLY. CONTRACTOR IS
<ol> <li>COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT I IN NEW TR'S.</li> <li>FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 (</li> </ol>	LOCATION OF CHANNEL RACKS
AREA OUTLET LOCATION: CONTRACTOR TO PROVIDE NEW RA FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FII AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BC NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE R CEILING SPACE OF SUSPENDED CEILING. IF OPEN/HARD LID F ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-I INFORMATION AND REQUIREMENTS. CABLING SHALL BE TEST REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.	ANDAL 5-SQUARE BOX, 1-1/4" POSSIBLE THE BOXES AND RECESSING IS NOT POSSIBLE, NISHED SPACES OR CONDUIT E ALL CUTTING, PATCHING, AND DXES AND FLEX CONDUIT. ALL ROUTED FROM NEW BOX INTO RACEWAY SYSTEM SHALL 017 FOR ADDITIONAL TED AND PROVEN TO MEET B
10. PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING RE-USED.	
<ol> <li>CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILING</li> <li>CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MO FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO</li> </ol>	S AS REQUIRED. VE AND RETURN FURNITURE, D COMPLETE EACH DAY'S
WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PER COORDINATE THIS WORK WITH THE COR.	SONAL PROPERTY.
<ol> <li>CABLE TRATINALL TRY TO BE WIRE BASKET TRAT. MOUNTED TRAY.</li> <li>COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES</li> </ol>	TO ENSURE PROPER AND
ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHO CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWIN FABRICATION AND INSTALLATION.	OWN ON THESE DOCUMENTS. GS FOR APPROVAL PRIOR TO
5. CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROO PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFT CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USE DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AF	DMS FROM NEW CORRIDOR E SUFFICIENT CAPACITY TO I PLACE. CONTRACTOR TO ER DEMOLITION OF EXISTING ED CONTRACTOR TO REA OUTLET LOCATIONS AS
SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LC EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FIL	CATION UNTIL HOT SWAP. IF F NEW CABLES, CONTRACTOR L. CONTRACTOR TO PROVIDE
ALL CORING AND FIRESTOPPING AS REQUIRED. 5. FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 ( AREA OUTLET LOCATION: CONTRACTOR TO RELUSE EXISTING	
AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING L MOUNTED RACEWAY AND BOXES. CONTRACTOR TO RE-USE I RACEWAY OF BOX IS NOT LISARIE DUE TO DAMAGE. CONTRACT	
TAGEWAT OR BOATS NOT USABLE DUE TO DAMAGE. CONTRA TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONT LOOP IN CEILING SPACE OF ROOM, IF SUSPENDED CEILING, C	RACTOR TO PROVIDE SERVICE
BUX IN OPEN/HARD LID AREAS TO FACILITATE PROTECTION C SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SWAP.	PE SERVICE LOOPS. CABLING SPECIFICATIONS DURING HOT
<ol> <li>CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM FOR ROUTING NEW CAT6A CABLING.</li> </ol>	TRS AS SHOWN ON DRAWINGS
	D
	E
	F
OJECT TITLE	PROJECT NUMBER
EHRM INFRASTRUCTURE	568-21-701
JPGRADES	
CATION	DRAWING NUMBER
FORT MEADE, SOUTH DAKOTA	

048-TN-0B0

![](_page_18_Figure_0.jpeg)

			FORT MEADE, SD
OF TION	DRAWING TITLE 48-TELECOM REMODEL PLANS	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUC UPGRADES
TILS ENT rtment s Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	LOCATION FORT MEADE, SOU ISSUE DATE 11/05/2024
	7	8	9

EQUIPMENT	QTY	TYPE	PART #
RACK	1	WALL MOUNT CABINET	CUBE-IT 24"H"X24"W"X30"D WALL MOUNT CABINET WITH DUAL-FAN AND FILTER KIT
UPS	1	3KVA	APC SMX3000RMLV2U
PDU	2	1RU	APC AP9560
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 3)
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL
NOTES: SEE RACK ELEV	ATIONS FOR I	EXACT LOCATION OF EACI	H PIECE OF EQUIPMENT.
1. SEE FIBER ONE LINE D	IAGRAM ON S	HEETS TJ-009 AND TJ-010	FOR ADDITIONAL INFORMATION.
2. SEE TELECOMM RACK	ELEVATIONS	FOR QUANTITY INFORMAT	ION FOR THIS EQUIPMENT.
3. PROVIDE LEVITON #E2	XHD-CMB RE	AR CABLE MANGER FOR E	/ERY PATCH PANEL PROVIDED.

![](_page_18_Figure_4.jpeg)

![](_page_18_Picture_19.jpeg)

![](_page_19_Figure_0.jpeg)

4

5

6

7

2

1

1

3

![](_page_19_Figure_3.jpeg)

DRAWING TITLE	PHASE	PROJECT TITLE
50-TELECOM DEMOLITION PLAN	100% CONSTRUCTION DOCUMENTS	EHRM INFRAS UPGRADES
APPROVED: Project Director	FLS	LOCATION FORT MEAD
FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024
7	8	9

VA MEDICAL CENTER FORT MEADE, SD

- **PROJECT KEY PLAN**

8

- KEY NOTES TO SOURCE.

PLACE AFTER NEW SYSTEM IS INSTALLED.

9

# **DEMOLITION GENERAL NOTES**

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

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. 8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. 9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK

2 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED. 3 EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT.

\_\_\_\_\_

С

REMOVAL OF EXISTING BETS, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE

![](_page_19_Figure_80.jpeg)

![](_page_20_Figure_0.jpeg)

F ION IFS	DRAWING TITLE 50 - TELECOM DISTANCE ASSESSMENT	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAS UPGRADES	TRUC
NT	APPROVED: Project Director	FLS	LOCATION FORT MEADE	, SOU <sup>-</sup>
tment Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHEC
	7	8	9	

8

# **GENERAL NOTES** 1. CONTRACTOR TO PROVIDE ALL CO SIZED AS REQUIRED FOR ROUTING EXPOSED AND NON ACCESSIBLE CE HILTI SPEED SLEEVES IN ACCESSIE 2. FOR NEW CONDUIT INSTALLATIONS WALLS AND FLOORS, CONTRACTOR FIRE STOPPING AS REQUIRED. 3. ALL NEW FIBER SHALL BE ROUTED ROUTING FROM POINT OF ENTRY 1 EXISTING PATHWAYS AS REQUIRE 4. ALL FIBER OPTIC CABLES ARE TO E CASSETTE. ALL LENGTHS LISTED I CONTRACTOR'S SOLE RESPONSIBI PURCHASE OF FACTOR TERMINATI ADDITIONAL LENGTH AT EACH END 5. TERMINATE FIBER CABLING WITH N IN TELECOMMUNICATION RACKS. 6. CONTRACTOR TO PROVIDE NEW J-OPTIC CABLE IN ACCESSIBLE SPAC INSTALLATION OF J-HOOKS. 7. IN GENERAL, DROP LOCATIONS ARE RESPONSIBLE TO CONFIRM ALL OU 8. COORDINATE WITH ARCHITECTURA IN NEW TR'S. 9. FOR ALL NEW TELECOMM OUTLET L AREA OUTLET LOCATION: CONTRAC FLEX CONDUIT, FACEPLATE, JACKS FLEX CONDUIT SHALL BE RECESSE CONTRACTOR TO PROVIDE SURFA AND BOX IN UNFINISHED SPACES. PAINTING AS REQUIRED FOR INSTA NEW RACEWAYS WHETHER SURFA CEILING SPACE OF SUSPENDED CE ROUTE TO CORRIDOR PATHWAY S INFORMATION AND REQUIREMENT REQUIREMENTS OF SPECIFICATION 10. PROVIDE STAINLESS STEEL COVER RE-USED. 11. CONTRACTOR TO PROVIDE ACCESS 12. CONTRACTOR SHALL BE RESPONSI FIXTURES, AND EQUIPMENT WITHIN WORK. THE VA WILL REMOVE, OR S COORDINATE THIS WORK WITH THE 13. CABLE TRAY IN ALL TR'S TO BE WIRI TRAY. 14. COORDINATE ALL LOW VOLTAGE W ADEQUATE INTERFACE OF THEIR W CONTRACTOR SHALL PROVIDE COO FABRICATION AND INSTALLATION. 15. CONTRACTOR TO RE-USE ALL EXIST PATHWAY IF EXISTING PATHWAY INT

- ROUTE NEW CABLING INTO ROOM V DETERMINE IF EXISTING PENETRAT CABLING DURING HOT CUTOVER. II DETERMINE OVERALL CABLE LENG SHOWN AND COIL IN CORRIDOR NE EXISTING PENETRATION IS NOT AD TO PROVIDE NEW PATHWAY SIZED ALL CORING AND FIRESTOPPING AS 16. FOR ALL NEW TELECOMM OUTLET I AREA OUTLET LOCATION. CONTRAC AT THAT LOCATION FOR ROUTING C MOUNTED RACEWAY AND BOXES. RACEWAY OR BOX IS NOT USABLE TO THE EXTENT REQUIRED. AT REC LOOP IN CEILING SPACE OF ROOM, BOX IN OPEN/HARD LID AREAS TO F SHALL BE TESTED AND PROVEN TO SWAP.
- 17. CONTRACTOR TO PROVIDE ALL NEV FOR ROUTING NEW CAT6A CABLING

10	
DNDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE G OF TELECOMMUNICATIONS CABLING IN WALLS, CEILING AREAS. PATHWAY PENETRACTIONS SHALL BE BLE CEILINGS. IS THAT PENETRATE THROUGH EXISTING CONCRETE OR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND O IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR TO TERMINATION RACK AND SHALL UTILIZE NEW AND ED. BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE BULTY TO VERIFY REQUIRED LENGTHS PRIOR TO TED CABLES. CONTRACTOR SHALL PROVIDE 10' OF D AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS. NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES -HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER CES AS SHOWN. PROVIDE ALL APPURTENANCES FOR RE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS UTLET LOCATIONS ON SITE. PAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS	Α
CLOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK ACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" S, AND CABLE. WHEREVER POSSIBLE THE BOXES AND ED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, ACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND ALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL ACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO EILING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL FS. CABLING SHALL BE TESTED AND PROVEN TO MEET ONS DURING HOT SWAP. R PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING SS PANELS IN HARD CEILINGS AS REQUIRED. SIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, IN SPACES AS REQUIRED TO COMPLETE EACH DAY'S SECURE, PHI, PPI, AND PERSONAL PROPERTY. IE COR. RE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF	В
NORK WITH OTHER TRADES TO ENSURE PROPER AND WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. DORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO	
STING PATHWAYS INTO ROOMS FROM NEW CORRIDOR NTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO WITH EXISTING CABLING IN PLACE. CONTRACTOR TO ATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING IF PATHWAY CAN BE RE-USED CONTRACTOR TO GTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS EAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF DEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR D TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE AS REQUIRED. I LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK ACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE OF CABLING. IF EXISTING LOCATION IS SURFACE CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE E DUE TO DAMAGE. CONTRACTOR TO REPLACE WITH NEW CESSED LOCATIONS, CONTRACTOR TO REPLACE WITH NEW CESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE 1, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED FACILITATE PROTECTION OF SERVICE LOOPS. CABLING O MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT	C
	D
	E

![](_page_20_Picture_10.jpeg)

![](_page_21_Figure_0.jpeg)

# **GENERAL NOTES**

9

10

RACK EQUIPMENT SCHEDULE - WALL MOUNT CABINET						
EQUIPMENT	QTY	TYPE	PART #			
RACK	1	WALL MOUNT CABINET	CUBE-IT 24"H"X24"W"X30"D WALL MOUNT CABINET WITH DUAL-FAN AND FILTER KIT			
UPS 1		3KVA	APC SMX3000RMLV2U			
PDU 2		1RU	APC AP9560			
FIBER ENCLOSURE NOTE 1		NOTE 1	NOTE 1			
PATCH PANELS NOTE 2		HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 3)			
CABLE MANAGER         NOTE 2         HORIZONTAL CABLE MANAGER         13930-701 OR APPROVED EQUAL						
DTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.						
SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-009 AND TJ-010 FOR ADDITIONAL INFORMATION.						

8

. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT. 3. PROVIDE LEVITON #E2XHD-CMB REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.

![](_page_21_Picture_5.jpeg)

PROJECT IIILE	
EHRM INFRAST	RUCT
UPGRADES	
LOCATION	
FORT MEADE,	SOUT
ISSUE DATE	CHECK
11/05/2024	D.
9	

![](_page_21_Picture_7.jpeg)

DRAWING TITLE **50-TELECOM REMODEL PLAN** 

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE 100% CONSTRUCTION DOCUMENTS

FLS

FULLY SPRINKLERED

VA MEDICAL CENTER FORT MEADE, SD

![](_page_22_Figure_0.jpeg)

![](_page_22_Figure_1.jpeg)

![](_page_22_Picture_2.jpeg)

FOR OFFICIAL USE ONLY (FOUO)

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

![](_page_22_Picture_18.jpeg)

VA MEDICAL CENTER FORT MEADE, SD

# CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION. COORDINATE THIS WORK WITH THE COR. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

9

PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM. 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED

# KEY NOTES

- TO SOURCE. 2 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PATCH PANELS AND CABLING IS INSTALLED.

# DEMOLITION GENERAL NOTES

1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK

PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW 3 EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED.

COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BETS, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.

![](_page_22_Figure_37.jpeg)

![](_page_23_Figure_0.jpeg)

![](_page_24_Figure_0.jpeg)

)N =s	DRAWING TITLE 53 - TELECOM DISTANCE ASSESSMENT	PHASE 100% CONST DOCUMENTS	RUCTION	PROJECT TITLE EHRM INFRA UPGRADES	STRUC
-0 T	APPROVED: Project Director	FLS		LOCATION FORT MEAD	e, sou
ent ffairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY S	PRINKLERED	ISSUE DATE 11/05/2024	CHEC
	7	8		9	

# GENERAL NOTES 1. CONTRACTOR TO PROVIDE ALL COND SIZED AS REQUIRED FOR ROUTING OF EXPOSED AND NON ACCESSIBLE CEIL HILTI SPEED SLEEVES IN ACCESSIBLE 2. FOR NEW CONDUIT INSTALLATIONS TO WALLS AND FLOORS, CONTRACTOR S EVENTS

9

 FOR NEW CONDUIT INSTALLATIONS IF WALLS AND FLOORS, CONTRACTOR SF FIRE STOPPING AS REQUIRED.
 ALL NEW FIBER SHALL BE ROUTED IN N ROUTING FROM POINT OF ENTRY TO T EXISTING PATHWAYS AS REQUIRED.
 ALL FIBER OPTIC CABLES ARE TO BE F CASSETTE. ALL LENGTHS LISTED IN M/ CONTRACTOR'S SOLE RESPONSIBILITY PURCHASE OF FACTOR TERMINATED C ADDITIONAL LENGTH AT EACH END AN

8

7

- CASSETTE. ALL LENGTHS LISTED IN M CONTRACTOR'S SOLE RESPONSIBILIT PURCHASE OF FACTOR TERMINATED ADDITIONAL LENGTH AT EACH END AN
   TERMINATE FIBER CABLING WITH NEW IN TELECOMMUNICATION RACKS.
   CONTRACTOR TO PROVIDE NEW J-HO OPTIC CABLE IN ACCESSIBLE SPACES INSTALLATION OF LHOOKS
  - CONTRACTOR TO PROVIDE NEW J-HO OPTIC CABLE IN ACCESSIBLE SPACES INSTALLATION OF J-HOOKS.
     IN GENERAL, DROP LOCATIONS ARE F RESPONSIBLE TO CONFIRM ALL OUTL
     COORDINATE WITH ARCHITECTURAL I IN NEW TR'S.
     FOR ALL NEW TELECOMM OUTLET LOP
  - 9. FOR ALL NEW TELECOMM OUTLET LOO AREA OUTLET LOCATION: CONTRACTO FLEX CONDUIT, FACEPLATE, JACKS, A FLEX CONDUIT SHALL BE RECESSED I CONTRACTOR TO PROVIDE SURFACE AND BOX IN UNFINISHED SPACES. CO PAINTING AS REQUIRED FOR INSTALL NEW RACEWAYS WHETHER SURFACE CEILING SPACE OF SUSPENDED CEILI ROUTE TO CORRIDOR PATHWAY SYST INFORMATION AND RECURPENTED.
  - INFORMATION AND REQUIREMENTS. C REQUIREMENTS OF SPECIFICATIONS
    10. PROVIDE STAINLESS STEEL COVER PI RE-USED.
    11. CONTRACTOR TO PROVIDE ACCESS P
    12. CONTRACTOR SHALL BE RESPONSIBL FIXTURES, AND EQUIPMENT WITHIN S WORK. THE VA WILL REMOVE, OR SEC
  - HATORES, AND EQUIPMENT WITHIN'S WORK. THE VA WILL REMOVE, OR SEC COORDINATE THIS WORK WITH THE C
     CABLE TRAY IN ALL TR'S TO BE WIRE I TRAY.
     COORDINATE ALL LOW VOLTAGE WOF ADEQUATE INTERFACE OF THEIR WOF
  - ADEQUATE INTERFACE OF THEIR WOR CONTRACTOR SHALL PROVIDE COORI FABRICATION AND INSTALLATION.
    15. CONTRACTOR TO RE-USE ALL EXISTIN PATHWAY IF EXISTING PATHWAY INTO ROUTE NEW CABLING INTO ROOM WIT DETERMINE IF EXISTING PENETRATIO CABLING DURING HOT CUTOVER. IF P. DETERMINE OVERALL CABLE LENGTH SHOWN AND COIL IN CORRIDOR NEAF EXISTING PENETRATION IS NOT ADEQ TO PROVIDE NEW PATHWAY SIZED TO ALL CORING AND EIDESTORDING AS D
  - TO PROVIDE NEW PATHWAY SIZED TO ALL CORING AND FIRESTOPPING AS RE
    16. FOR ALL NEW TELECOMM OUTLET LOC AREA OUTLET LOCATION. CONTRACTC AT THAT LOCATION FOR ROUTING OF O MOUNTED RACEWAY AND BOXES. CON RACEWAY OR BOX IS NOT USABLE DUE TO THE EXTENT REQUIRED. AT RECES LOOP IN CEILING SPACE OF ROOM, IF S BOX IN OPEN/HARD LID AREAS TO FAC SHALL BE TESTED AND PROVEN TO ME SWAP.
  - SHALL BE TESTED AND PROVEN TO ME SWAP.
    17. CONTRACTOR TO PROVIDE ALL NEW M FOR ROUTING NEW CAT6A CABLING.

NDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE OF TELECOMMUNICATIONS CABLING IN WALLS, EILING AREAS. PATHWAY PENETRACTIONS SHALL BE LE CEILINGS.	
THAT PENETRATE THROUGH EXISTING CONCRETE SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR O TERMINATION RACK AND SHALL UTILIZE NEW AND O. E FIELD TERMINATED ON BOTH ENDS WITH SPLICE MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE ITY TO VERIFY REQUIRED LENGTHS PRIOR TO D CABLES. CONTRACTOR SHALL PROVIDE 10' OF AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS. EW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES	A
HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER ES AS SHOWN. PROVIDE ALL APPURTENANCES FOR E PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS TLET LOCATIONS ON SITE. L DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS OCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK CTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" , AND CABLE. WHEREVER POSSIBLE THE BOXES AND D INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT	
CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND LLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL CE OR RECESSED TO BE ROUTED FROM NEW BOX INTO ILLING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL 'STEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL C. CABLING SHALL BE TESTED AND PROVEN TO MEET S DURING HOT SWAP. PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING PANELS IN HARD CEILINGS AS REQUIRED. BLE TO TEMPORARILY MOVE AND RETURN FURNITURE, I SPACES AS REQUIRED TO COMPLETE EACH DAY'S ECURE, PHI, PPI, AND PERSONAL PROPERTY. COR.	В
E BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF ORK WITH OTHER TRADES TO ENSURE PROPER AND ORK WITH THE WORK SHOWN ON THESE DOCUMENTS. ORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO	
TING PATHWAYS INTO ROOMS FROM NEW CORRIDOR TO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO VITH EXISTING CABLING IN PLACE. CONTRACTOR TO ION CAN BE RE-USED AFTER DEMOLITION OF EXISTING PATHWAY CAN BE RE-USED CONTRACTOR TO TH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS AR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE B REQUIRED. .OCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK CTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE OF CABLING. IF EXISTING LOCATION IS SURFACE CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE DUE TO DAMAGE. CONTRACTOR TO REPLACE WITH NEW RESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED ACILITATE PROTECTION OF SERVICE LOOPS. CABLING MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT	С
	D
	E
	F
URE PROJECT NUMBER 568-21-701 Building number 53	
TH DAKOTA TH DAKOTA TED BY JC AH DRAWN BY AH	

![](_page_25_Figure_0.jpeg)

![](_page_25_Figure_1.jpeg)

LOCATION **ISSUE DATE** 

9

- INSTALLATION OF J-HOOKS.
- IN NEW TR'S.

- TRAY.

# **KEY NOTES**

- ADDITONAL INFORMATION. 2 PROVIDE HILTI FIRESTOP SPEED SLEEVE.
- RACK.
- REQUIRED.

![](_page_25_Picture_29.jpeg)

- FOR ROUTING NEW CAT6A CABLING.

- FIRE STOPPING AS REQUIRED.
- EXISTING PATHWAYS AS REQUIRED.
- IN TELECOMMUNICATION RACKS.

- RE-USED.
- COORDINATE THIS WORK WITH THE COR.
- FABRICATION AND INSTALLATION.

- DEVICES REQUIRED AT THIS DOOR.

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES 11/05/2024

![](_page_26_Figure_0.jpeg)

![](_page_26_Figure_3.jpeg)

![](_page_26_Picture_4.jpeg)

![](_page_26_Picture_5.jpeg)

![](_page_26_Picture_6.jpeg)

# ARCHITECT/ENGINEER OF RECORD

![](_page_26_Picture_9.jpeg)

![](_page_26_Picture_10.jpeg)

![](_page_27_Figure_0.jpeg)

<b>ATTIC</b> 200			

	DRAWING TITLE 088 - TELECOM DEMOLITION PLAN	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRU( UPGRADES
t irs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FLS FULLY SPRINKLERED	LOCATION FORT MEADE, SOU ISSUE DATE 11/05/2024
	7	8	9

![](_page_27_Picture_3.jpeg)

KEY NOTES

TO SOURCE.

- PATCH PANELS AND CABLING IS INSTALLED.

8

7

# **DEMOLITION GENERAL NOTES**

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

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. 8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. 9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

# 1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW

2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK

\_\_\_\_\_

![](_page_28_Figure_0.jpeg)

= ION IES	DRAWING TITLE 088 - TELECOM DISTANCE ASSESSMENT	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAST UPGRADES	RUC
NT	APPROVED: Project Director	FLS	FORT MEADE,	SOU <sup>.</sup>
ment Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECI
	7	8	9	

8

9

**GENERAL NOTES** 

Α

С

10

CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS. 5. TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES

6. CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR

8. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS

AREA OUTLET LOCATION: CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET

10. PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING

12. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

14. COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO

15. CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE

AREA OUTLET LOCATION. CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES. CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE. CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPEN/HARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT

17. CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

![](_page_28_Picture_17.jpeg)

![](_page_29_Figure_0.jpeg)

					<b>}</b>
	ARCHITECT/ENGIN	IEER OF RECORD	STAMP	0	FFICE OF
300	<u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685 541.436.4723	GDM	BICSI ID # 164277	CON AND MAN	STRUCTION FACILITIES NAGEMENT
	ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	Expires 12-31-24	VA	U.S. Department of Veterans Affairs
4		5		6	

# **GENERAL NOTES**

- INSTALLATION OF J-HOOKS.
- IN NEW TR'S.

- RE-USED.

- REQUIRED.

RACK EQUIPMENT SCHEDULE - 1-RACK TR							
EQUIPMENT	QTY	ТҮРЕ	PART #				
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL				
UPS	1	5KVA	XTREME UPS #M90C-2S5K OR APPROVED EQUAL (NOTE 5)				
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1				
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 4)				
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL				
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANGER	#MM20VMD706-W OR APPROVED EQUAL				
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #39221-E03 OR APPROVED EQUAL				
NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.							

8

3. SEE FLOOR PLAN FOR QUANTITIES. 4. PROVIDE LEVITON #E2XHD-CMB REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.

7

DRAWING TITLE

APPROVED: Project Director

7

088 - TELECOM REMODEL PLAN

FOR OFFICIAL USE ONLY (FOUO)

PHASE

FLS

**100% CONSTRUCTION** 

FULLY SPRINKLERED

DOCUMENTS

5. PROVIDE UPS WITH POWER CORD, RECEPTACLE PANEL, WEB/SMTP CARD, AND 4-POST RAIL KIT.

![](_page_29_Picture_28.jpeg)

![](_page_29_Picture_29.jpeg)

![](_page_29_Picture_30.jpeg)

![](_page_30_Figure_0.jpeg)

8

FOR OFFICIAL USE ONLY (FOUO) 7

APPROVED: Project Director

DRAWING TITLE **BLDG 89 TELECOM DEMOLITION** PLAN

FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION DOCUMENTS

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

![](_page_30_Picture_83.jpeg)

10

# **PROJECT KEY PLAN**

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM. 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED

9

KEY NOTES

PATCH PANELS AND CABLING IS INSTALLED.

TO SOURCE.

# DEMOLITION GENERAL NOTES

1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION. 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING

PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK 3 EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED.

COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BETS, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.

![](_page_31_Figure_0.jpeg)

ON	DRAWING TITLE 089 - TELECOM DISTANCE ASSESSMENT - BLDG 89	phase 100% COI DOCUME	NSTRUC NTS	TION	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES			
NT	APPROVED: Project Director	FLS		FORT MEADE, SOUTH DAKOTA				
ment Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY	FULLY SPRINKLERED		ISSUE DAT 11/0	E )5/2024	CHECKED BY DJC	DRAWN BY AH
	7	8			9			

8

SWAP.

9

![](_page_31_Figure_6.jpeg)

DRAWING NUMBER

089-TN-010

![](_page_32_Figure_0.jpeg)

RACK EQUIPMENT SCHEDULE - 1-RACK TR						
EQUIPMENT	QTY	ТҮРЕ	PART #			
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL			
UPS	1	5KVA	XTREME UPS #M90C-2S5K OR APPROVED EQUAL (NOTE 5)			
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1			
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 4)			
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL			
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANGER	#MM20VMD706-W OR APPROVED EQUAL			
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #39221-E03 OR APPROVED EQUAL			

$\begin{array}{c} CJ - CJ $	$\begin{array}{c} \textbf{CJ} - \textbf{CJ} -$	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	202-1- 40-37,38 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			VA MEDICAL CENTER
				3 ENLARGED PLAN - RM 1/4" = 1'-0"	1. 202	
	ARCHITECT/ENGINEER OF RECORD	STAMP	OFFICE OF			FHRM INFRASTRUCT
00	A/E GDM 1308 NE 134TH ST SUITE A	- HUNICATIONS DISTAL	CONSTRUCTION AND FACILITIES	PLAN	DOCUMENTS	UPGRADES
	VANCOUVER ,WA 98685	David Clem DE	MANAGEMENT	APPROVED: Project Director	FLS	LOCATION FORT MEADE, SOUT
	ADAM GODDIN, PE	BICSI ID # 164277 Expires 12-31-24 • RCDD	<b>VA</b> U.S. Department of Veterans Affair	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE CHECKI 11/05/2024 DJ
	4 5		6	7	8	9

–(N)SBB 3

г — ¬

(1) 202-RK-1

MD

 $\sim$  - 6

(2)2"C. FROM FIRST FLOOR

(1)A-SIDE FIBER RUN (1)B-SIDE FIBER RUN

(2)4"C. FROM FLOOR -----

 $\frown$ 

BÉLOW FOR CAT6A

CABLING

7

8

# PROJECT KEY PLAN

- ADDITONAL INFORMATION. RACK. REQUIRED.
- SWAP FOR ROUTING NEW CAT6A CABLING. KEY NOTES
- TRAY. FABRICATION AND INSTALLATION. ALL CORING AND FIRESTOPPING AS REQUIRED.
- INSTALLATION OF J-HOOKS. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE. IN NEW TR'S. REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP. RE-USED. 11. CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED. COORDINATE THIS WORK WITH THE COR.
- HILTI SPEED SLEEVES IN ACCESSIBLE CEILINGS. FIRE STOPPING AS REQUIRED. EXISTING PATHWAYS AS REQUIRED. IN TELECOMMUNICATION RACKS.

**GENERAL NOTES** 

![](_page_32_Figure_13.jpeg)

P P P P P P P P P P P P P P P P P P P
CONSULTANT
LOW VOLTAGE GDM 4317 6TH AVE SE, SUITE 3 LACEY, WA 98503 541.436.4723 DAVE CLEM, RCDD
3

STORAGE

CORRIDOR C102

—FTMAP12 90-1

OUTLETS IN THIS AREA ARE IN

SIMULATION LAB 112

FLOOR BOXES

![](_page_33_Figure_1.jpeg)

VESTIBUILE

101

**MECH. ROOM** 

2D,1V က**ြ**ပ္န

110

![](_page_33_Figure_2.jpeg)

Α

\_\_\_\_\_

С

D

1

2

3

4

5

6

7

![](_page_33_Figure_6.jpeg)

RECEPTIONIST WORK AREA

OFFICE

<0 <0 </

OFFICE

107B3

₩A₽ Ϛ<u></u> 7 90-1

4D C)

دن 2D,4V

حت] ہ 3D,3V

FTMAP10-

WAP FTMAP06- ∇<sub>C</sub>フ 90-1 ∨

7<sub>0</sub>7

KITCHEN 103

F	090 - TELECOM DEMOLITION PLAN	100% CONSTRUCT	ION	EHRM INFRAST	RUC
		DOCUMENTS		UPGRADES	
ENT	APPROVED: Project Director	FLS		FORT MEADE,	SOU
rtment s Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRIN	KLERED	ISSUE DATE 11/05/2024	CHEC
	7	8		9	

![](_page_33_Picture_9.jpeg)

![](_page_33_Figure_11.jpeg)

3 ENLARGED DEMOLITION PLAN - TE RM 200

8

KEY NOTES

- PATCH PANELS AND CABLING IS INSTALLED. TO SOURCE.
- COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT.
- PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

- 9

# **DEMOLITION GENERAL NOTES**

1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION. 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE,

FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. 8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK 3 EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED.

REMOVAL OF EXISTING BETs, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE

\_\_\_\_\_

![](_page_34_Figure_0.jpeg)

300	ARCHITECT/ENG <u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685 541.436.4723 ADAM GODDIN, PE	INEER OF RECOR	D STAMP STAMP David Clem BICSI ID # 164277 Expires 12-31-24 MCDD	OFFICE OF         CONSTRUCTI         AND FACILITI         MANAGEMEI         VA         U.S. Departs         of Veterans
	UUII			

5

6

7

8

E OF JCTION	DRAWING TITLE 090 - TELECOM DISTANCE ASSESSMENT	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAS UPGRADES	PROJECT TITLE EHRM INFRASTRUC UPGRADES		
EMENT	APPROVED: Project Director	FLS	LOCATION FORT MEADE	E, SOU <sup>-</sup>		
epartment erans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHEC		
	7	8	9			

![](_page_34_Picture_3.jpeg)

 CONTRACTOR TO PROVIDE NEW J-H OPTIC CABLE IN ACCESSIBLE SPACE INSTALLATION OF J-HOOKS. IN GENERAL, DROP LOCATIONS ARE RESPONSIBLE TO CONFIRM ALL OUT 8. COORDINATE WITH ARCHITECTURA IN NEW TR'S. FOR ALL NEW TELECOMM OUTLET LO AREA OUTLET LOCATION: CONTRAC FLEX CONDUIT, FACEPLATE, JACKS, FLEX CONDUIT SHALL BE RECESSED CONTRACTOR TO PROVIDE SURFA AND BOX IN UNFINISHED SPACES. C

PAINTING AS REQUIRED FOR INSTA NEW RACEWAYS WHETHER SURFAC CEILING SPACE OF SUSPENDED CEIL ROUTE TO CORRIDOR PATHWAY SYS INFORMATION AND REQUIREMENTS REQUIREMENTS OF SPECIFICATION 10. PROVIDE STAINLESS STEEL COVER RE-USED.

11. CONTRACTOR TO PROVIDE ACCESS 12. CONTRACTOR SHALL BE RESPONSI FIXTURES, AND EQUIPMENT WITHIN WORK. THE VA WILL REMOVE, OR SE COORDINATE THIS WORK WITH THE 13. CABLE TRAY IN ALL TR'S TO BE WIRE TRAY.

14. COORDINATE ALL LOW VOLTAGE WO ADEQUATE INTERFACE OF THEIR W CONTRACTOR SHALL PROVIDE COO FABRICATION AND INSTALLATION. 15. CONTRACTOR TO RE-USE ALL EXIST

PATHWAY IF EXISTING PATHWAY INT ROUTE NEW CABLING INTO ROOM W DETERMINE IF EXISTING PENETRATI CABLING DURING HOT CUTOVER. IF DETERMINE OVERALL CABLE LENGT SHOWN AND COIL IN CORRIDOR NE EXISTING PENETRATION IS NOT ADE TO PROVIDE NEW PATHWAY SIZED

ALL CORING AND FIRESTOPPING A 16. FOR ALL NEW TELECOMM OUTLET LO AREA OUTLET LOCATION. CONTRAC

AT THAT LOCATION FOR ROUTING MOUNTED RACEWAY AND BOXES. RACEWAY OR BOX IS NOT USABLE TO THE EXTENT REQUIRED. AT RECE LOOP IN CEILING SPACE OF ROOM, BOX IN OPEN/HARD LID AREAS TO F SHALL BE TESTED AND PROVEN TO SWAP.

17. CONTRACTOR TO PROVIDE ALL NEW FOR ROUTING NEW CAT6A CABLING.

CASSETTE. ALL LENGTHS LISTED IN CONTRACTOR'S SOLE RESPONSIBIL PURCHASE OF FACTOR TERMINATE ADDITIONAL LENGTH AT EACH END 5. TERMINATE FIBER CABLING WITH N IN TELECOMMUNICATION RACKS.

1. CONTRACTOR TO PROVIDE ALL CON SIZED AS REQUIRED FOR ROUTING EXPOSED AND NON ACCESSIBLE C HILTI SPEED SLEEVES IN ACCESSIBI 2. FOR NEW CONDUIT INSTALLATIONS

**GENERAL NOTES** 

10	
ONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE G OF TELECOMMUNICATIONS CABLING IN WALLS, CEILING AREAS. PATHWAY PENETRACTIONS SHALL BE	
IBLE CEILINGS. IS THAT PENETRATE THROUGH EXISTING CONCRETE DR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND	
D IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR TO TERMINATION RACK AND SHALL UTILIZE NEW AND	Α
BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE BILITY TO VERIFY REQUIRED LENGTHS PRIOR TO TED CABLES. CONTRACTOR SHALL PROVIDE 10' OF D AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS. NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES	
J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER CES AS SHOWN. PROVIDE ALL APPURTENANCES FOR	
RE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS DUTLET LOCATIONS ON SITE.	
T LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK ACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" (S, AND CABLE. WHEREVER POSSIBLE THE BOXES AND DED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, ACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT . CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND FALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL ACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO DELIING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL TS. CABLING SHALL BE TESTED AND PROVEN TO MEET DNS DURING HOT SWAP. ER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING	В
SS PANELS IN HARD CEILINGS AS REQUIRED. SIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, IN SPACES AS REQUIRED TO COMPLETE EACH DAY'S SECURE, PHI, PPI, AND PERSONAL PROPERTY. HE COR. IRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF	
WORK WITH OTHER TRADES TO ENSURE PROPER AND WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. DORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO	
STING PATHWAYS INTO ROOMS FROM NEW CORRIDOR INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO I WITH EXISTING CABLING IN PLACE. CONTRACTOR TO ATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING IF PATHWAY CAN BE RE-USED CONTRACTOR TO GTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS IEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF DEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR D TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE AS REQUIRED. I LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK ACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE G OF CABLING. IF EXISTING LOCATION IS SURFACE . CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE E DUE TO DAMAGE. CONTRACTOR TO REPLACE WITH NEW ECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE <i>A</i> , IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED PACILITATE PROTECTION OF SERVICE LOOPS. CABLING TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT	С
EW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS NG.	
	D

![](_page_34_Figure_26.jpeg)

![](_page_35_Figure_0.jpeg)

	3 ENLARGED PLAN - RM. 102 1/4" = 1'-0"	2A		VA MEDI FORT	CAL CENT MEADE, SD
	DRAWING TITLE	PHASE		PROJECT TITLE	
N S	090 - TELECOM REMODEL PLAN	100% CONS DOCUMENT	STRUCTION S	EHRM INFRAS UPGRADES	TRUCT
	APPROVED: Project Director	FLS		LOCATION	
				FORT MEADE	, SOUT
ent fairs	FOR OFFICIAL USE ONLY (FOUO)	FULLYS	SPRINKLERED	ISSUE DATE 11/05/2024	CHECK DJ
	7	8		9	

![](_page_35_Picture_5.jpeg)

![](_page_35_Figure_6.jpeg)

RACK EQUIPMENT SCHEDULE - 1-RACK TR EQUIPMENT QTY TYPE PART # #MM2073038-W OR APPROVED EQUAL RACK CHANNEL RACK XTREME UPS #M90C-2S5K OR APPROVED UPS 1 5KVA EQUAL (NOTE 5) FIBER ENCLOSURE NOTE 1 NOTE 1 NOTE 1 HIGH DENSITY ANGLED | LEVITON #E2X1A-S48 OR APPROVED EQUAL NOTE 2 PATCH PANELS 48-PORT (NOTE 4) HORIZONTAL CABLE 13930-701 OR APPROVED EQUAL CABLE MANAGER NOTE 2 MANAGER 10" VERTICAL CABLE CABLE MANAGER NOTE 3 #MM20VMD706-W OR APPROVED EQUAL MANGER APC #8863, WITH MOUNTING BRACKETS VERTICAL PDU PDU #39221-E03 OR APPROVED EQUAL NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.

1. SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-001 AND TJ-002 FOR ADDITIONAL INFORMATION.

2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.

3. SEE FLOOR PLAN FOR QUANTITIES.

4. PROVIDE LEVITON #E2XHD-CMB REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED. 5. PROVIDE UPS WITH POWER CORD. RECEPTACLE PANEL. WEB/SMTP CARD, AND 4-POST RAIL KIT.

![](_page_36_Figure_0.jpeg)

	ARCHITECT/ENGI	NEER OF RECORD	STAMP	OFFICE OF		PHASE	
300	A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685	GDM	David Clem	CONSTRUCTION AND FACILITIES MANAGEMENT	110-TELECOM DEMOLITION PLAN -         FIRST FLOOR         APPROVED: Project Director	TOO% CONSTRUCTION DOCUMENTS FLS	
	ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	BICSI ID # 164277 Expires 12-31-24 • RCDD	<b>VA</b> U.S. Department of Veterans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024
	4	5		6	7	8	9

B

- T

![](_page_36_Picture_4.jpeg)

![](_page_36_Figure_5.jpeg)

7

8

# RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

9

# KEY NOTES

- TO SOURCE.
- 3 EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED.

# DEMOLITION GENERAL NOTES

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

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED. REMOVE EXISTING PATCH PANELS AND ANY AUXILIARY EQUPMENT IN EXISTING TELECOMM RACK. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED. 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK

COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BETS, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.

\_\_\_\_\_

![](_page_36_Figure_23.jpeg)

![](_page_37_Figure_0.jpeg)

# **GENERAL NOT**

9

- SIZED AS REQUIRED FOR EXPOSED AND NON ACCE HILTI SPEED SLEEVES IN A 2. FOR NEW CONDUIT INSTAI WALLS AND FLOORS, CON FIRE STOPPING AS REQUI 3. ALL NEW FIBER SHALL BE ROUTING FROM POINT O EXISTING PATHWAYS AS I 4. ALL FIBER OPTIC CABLES CASSETTE. ALL LENGTHS CONTRACTOR'S SOLE RE PURCHASE OF FACTOR T ADDITIONAL LENGTH AT I
- 5. TERMINATE FIBER CABLI IN TELECOMMUNICATION F 6. CONTRACTOR TO PROVID OPTIC CABLE IN ACCESSI INSTALLATION OF J-HOOK
- 7. IN GENERAL, DROP LOCAT RESPONSIBLE TO CONFI 8. COORDINATE WITH ARCHI IN NEW TR'S. 9. FOR ALL NEW TELECOMM
- FLEX CONDUIT, FACEPLA FLEX CONDUIT SHALL BE CONTRACTOR TO PROVID AND BOX IN UNFINISHED PAINTING AS REQUIRED F NEW RACEWAYS WHETHE CEILING SPACE OF SUSPE ROUTE TO CORRIDOR PA
- REQUIREMENTS OF SPECI 10. PROVIDE STAINLESS STE RE-USED. 11. CONTRACTOR TO PROVID 12. CONTRACTOR SHALL BE R
- WORK. THE VA WILL REMC COORDINATE THIS WORK 13. CABLE TRAY IN ALL TR'S T TRAY. 14. COORDINATE ALL LOW VO
- ADEQUATE INTERFACE O CONTRACTOR SHALL PRO FABRICATION AND INSTAL 15. CONTRACTOR TO RE-USE PATHWAY IF EXISTING PA ROUTE NEW CABLING INTO DETERMINE IF EXISTING F CABLING DURING HOT CU DETERMINE OVERALL CA SHOWN AND COIL IN COR
- EXISTING PENETRATION I TO PROVIDE NEW PATHWA ALL CORING AND FIREST 16. FOR ALL NEW TELECOMM AREA OUTLET LOCATION. AT THAT LOCATION FOR F MOUNTED RACEWAY AND RACEWAY OR BOX IS NOT TO THE EXTENT REQUIRE
- LOOP IN CEILING SPACE O BOX IN OPEN/HARD LID A SHALL BE TESTED AND PR SWAP. 17. CONTRACTOR TO PROVIE FOR ROUTING NEW CAT6/

# KEY NOTES

- 1 PROVIDE NEW WALL CA MANAGERS. SEE RACK INFORMATION. 2 PROVIDE HILTI FIREST
- PROVIDE VERTICAL CA RACK. 4 PROVIDE BONDING BUS ALL TR ROOMS. SEE SH
- 5 PROVIDE NEW CAMERA FOR ADDITIONAL INFOR 6 PROVIDE NEW CAT6A

RACK EQUIPMENT SCHEDULE - WALL MOUNT CABINET				
EQUIPMENT	QTY	TYPE	PART #	
RACK	1	WALL MOUNT CABINET	CUBE-IT 24"H"X24"W"X30"D WALL MOUNT CABINET WITH DUAL-FAN AND FILTER KIT	
UPS	1	3KVA	APC SMX3000RMLV2U	
PDU	2	1RU	APC AP9560	
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1	
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 3)	
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL	
NOTES: SEE RACK ELEV	ATIONS FOR I	EXACT LOCATION OF EACI	H PIECE OF EQUIPMENT.	
1. SEE FIBER ONE LINE D	IAGRAM ON S	HEETS TJ-009 AND TJ-010	FOR ADDITIONAL INFORMATION.	
2. SEE TELECOMM RACK	ELEVATIONS	FOR QUANTITY INFORMAT	ION FOR THIS EQUIPMENT.	

# PROJECT KEY P

![](_page_37_Picture_17.jpeg)

# PROJECT TITLE EHRM INFRASTRUCT UPGRADES LOCATION FORT MEADE, SOUT ISSUE DATE CHECKE 11/05/2024 DJ

100% CONSTRUCTION DOCUMENTS FLS FULLY SPRINKLERED

G	ENERAL	<u>NOTES</u>	
1.	CONTRACTOR SIZED AS REQ EXPOSED AND	R TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE QUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, D NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRACTIONS SHALL BE	
2.	HILTI SPEED S FOR NEW CON WALLS AND FI	SLEEVES IN ACCESSIBLE CEILINGS. NDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE LOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND	
3.	FIRE STOPPIN ALL NEW FIBE ROUTING FRO	IG AS REQUIRED. R SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR M POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND	
4.	EXISTING PAT ALL FIBER OP CASSETTE. AL CONTRACTOR	HWAYS AS REQUIRED. TIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE LL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE X'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO	Α
5	PURCHASE OF ADDITIONAL L	F FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS. IBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES.	
6.		IUNICATION RACKS.	
7.	INSTALLATION	N OF J-HOOKS. DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS	
8.	COORDINATE	WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS	
9.	FOR ALL NEW AREA OUTLET FLEX CONDUI	TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK LOCATION: CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" T, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND	
	FLEX CONDUI CONTRACTOR AND BOX IN U	T SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT NFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND	
	PAINTING AS F NEW RACEWA CEILING SPAC	REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL YS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO E OF SUSPENDED CEILING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL	
	ROUTE TO CO INFORMATION REQUIREMEN	RRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL I AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET TS OF SPECIFICATIONS DURING HOT SWAP.	
10. 11	PROVIDE STAI RE-USED.	INLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING	В
11. 12.	CONTRACTOR CONTRACTOR FIXTURES, AN WORK. THE VA	A WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.	
13.	COORDINATE CABLE TRAY II TRAY.	N ALL TR'S TO BE WIRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF	
14.	COORDINATE ADEQUATE IN CONTRACTOR FABRICATION	ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND TERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. & SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO AND INSTALLATION.	
15.	CONTRACTOR PATHWAY IF E ROUTE NEW C DETERMINE IF	TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING	
	CABLING DUR DETERMINE O SHOWN AND O EXISTING PEN	ING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO VERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF IETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR	
16.	ALL CORING A FOR ALL NEW AREA OUTLET	NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ND FIRESTOPPING AS REQUIRED. TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK LOCATION. CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE	
	AT THAT LOCA MOUNTED RAG RACEWAY OR TO THE EXTEN	ATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE CEWAY AND BOXES. CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE BOX IS NOT USABLE DUE TO DAMAGE. CONTRACTOR TO REPLACE WITH NEW NT REQUIRED. AT RECESSED LOCATIONS. CONTRACTOR TO PROVIDE SERVICE	С
	LOOP IN CEILI BOX IN OPEN/ SHALL BE TES	NG SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED HARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING STED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT	
17.	SWAP. CONTRACTOR	R TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS	
K		=S	
1	PROVIDE NE MANAGERS.	EW WALL CABINET, FIBER ENCLOSURES, UPS, PATCH PANELS, AND CABLE SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITONAL	
2 3	INFORMATIC PROVIDE HII PROVIDE VE	DN. LTI FIRESTOP SPEED SLEEVE. ERTICAL CABLE SUPPORTS FROM CONDUIT/SLEEVE TO COMMUNICATION	
4	RACK. PROVIDE BC ALL TR ROO	ONDING BUSBAR CPI #40153-012 OR APPROVED EQUAL AND BONDING IN MS. SEE SHEET 'TJ-021' THROUGH 'TJ-025' FOR ADDITIONAL INFORMATION.	
5 6	PROVIDE NE	EW CAMERA. SEE SPECIFICATIONS SECTION 28 23 00 AND SHEET 'TJ-016' ONAL INFORMATION AND REQUIREMENTS.	
-			
			D
			E
			-
ר ר			
<b>J</b> J	EUIN		
F(	ORT MEADE	E, SD	F
		NORTH	
ד דוד	LE	PROJECT NUMBER	
M II	NFRAST	RUCTURE 568-21-701	
RAI	DES	BUILDING NUMBER 110	
N ≥T №			
NT IN		CHECKED BY         DRAWN BY         110-TN-011	
1/05/2	2024	DJC AH,RES	
		10	

![](_page_38_Figure_0.jpeg)

L				
			VA MEDICAL FORT MEA	CENTER DE, SD
	DRAWING TITLE	PHASE	PROJECT TITLE	
OF	113 - TELECOM DEMOLITION PLAN	100% CONSTRUCTION	EHRM INFRAS	STRUC
TION	- BASEMENT LAYOUT	DOCUMENTS	UPGRADES	
	APPROVED: Project Director	FLS		
		FULLY SPRINKLERED		
artment ins Affairs	FOR OFFICIAL USE ONLY (FOUO)		11/05/2024	[
	7	8	9	

1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

![](_page_38_Figure_15.jpeg)

Α	() (SNEJWALL MOUNT BRACKETS () (SWEJWALL MOUNT BRACKETS () (EWALL MOUNT BRACKET () (EWALL MOU
	HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC SOON HAC HAC SOON HAC HAC SOON HAC HAC HAC HAC HAC HAC HAC HAC HAC HAC
E	
F	1       ENLARGED AREA -BASEMENT NORTH TELECOM DEMO         1/8" = 1'-0"         Revisions:       Date:         CONSULTANT         LOW VOLTAGE         GDM

2

3

4

5

1

1

![](_page_39_Figure_3.jpeg)

6

7

8

# MOLITION

	ARCHITECT/ENGINE	ER OF RECORD	STAMP	O	FFICE OF
300	<u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685 541.436.4723	GDM	Districtions Distr	CON AND MAN	STRUCTION FACILITIES IAGEMENT
	ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	RCDD	VA	U.S. Department of Veterans Affairs
4		5		6	

# FOR OFFICIAL USE ONLY (FOUO)

DRAWING TITLE **113 - TELECOM DEMOLITION PLAN** JCTION - BASEMENT NORTH APPROVED: Project Director

7

FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION DOCUMENTS

UPGRADES **ISSUE DATE** 

PROJECT TITLE

![](_page_39_Picture_12.jpeg)

10

- KEY NOTES TO SOURCE.

SYSTEM IS INSTALLED.

- 1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH
- PATCH PANELS AND CABLING IS INSTALLED.
- COORDINATE THIS WORK WITH THE COR. 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.

9

# DEMOLITION GENERAL NOTES

1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING

PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. 8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE.

REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM. 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED

CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK 3 EXISTING COMMUNICATIONS PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SOURCE. REMOVAL OF EXISTING PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW

\_\_\_\_\_

	1			2		3
A						
B						
C						CRAWL SPACE CSB3
D						
E						
F	1 <u>ENI</u> 1/8" =	<b>_ARGED A</b> 1'-0"	AREA - BAS	SEMENT EAS	ST TELI	ECOM DEMC
		Revisions:			Date:	CONSULTANT LOW VOLTAGE GDM 4317 6TH AVE SE, SUITE 30 LACEY, WA 98503 541.436.4723 DAVE CLEM, RCDD

![](_page_40_Figure_4.jpeg)

4

6

7

# MOLITION

	ARCHITECT/ENGI	NEER OF RECORD	STAMP	OFFICE
00	A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685 541.436.4723	GDM	DESI ID # 164277	CONSTRU AND FACI MANAGE
	ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	Expires 12-31-24	VA U.S. De of Veter
4	4	5		6

	CSB5			
	CRAWL SP CSB6	ACE		
			PROJECT K	EY P
			VA MEDICAL C FORT MEADE	ENTER E, SD
OF CTION LITIES	DRAWING TITLE 113 - TELECOM DEMOLITION PLAN - BASEMENT EAST	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAS UPGRADES	TRUCT
<b>MENT</b> partment ans Affairs	APPROVED: Project Director FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	LOCATION FORT MEADE ISSUE DATE 11/05/2024	, SOUT Check d.
	7	8	9	

# CRAWL SPACE CRAWL SPACE #

9 DEMOLITION GENERAL NOTES CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION. COORDINATE THIS WORK WITH THE COR. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.

KEY NOTES

8

1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

Α

\_\_\_\_\_

В

\_\_\_\_\_

С

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

 CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

![](_page_40_Figure_21.jpeg)

![](_page_41_Figure_0.jpeg)

1

2

3

3

2

		ARCHITECT/ENGI	NEER OF RECORD	STAMP	OFFICE
300		<u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685 541.436.4723	GDM	BICSLID # 164277	CONSTRU AND FACI MANAGE
		ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	Expires 12-31-24	VA U.S. De of Vete
	4		5		6

5

4

6

FOR OFFICIAL	USE ONLY (FOUO)
7	

APPROVED: Project Director 

DRAWING TITLE

113 - TELECOM DEMOLTION PLAN - BASEMENT SOUTH

FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION DOCUMENTS

8

PROJECT TITLE UPGRADES **ISSUE DATE** 11/05/2024

![](_page_41_Picture_12.jpeg)

7

8

RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

KEY NOTES

**DEMOLITION GENERAL NOTES** 1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION. 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR. 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

\_\_\_\_\_

![](_page_42_Figure_0.jpeg)

OF CTION ITIES	DRAWING TITLE 113 - TELECOM DEM - FIRST FLOOR LAYC	OLITION PLAN	PHASE 100% CONSTRU DOCUMENTS	ICTION	PROJECT TITLE EHRM INFRAS UPGRADES	TRU
<b>MENT</b>	APPROVED: Project Director		FLS		LOCATION FORT MEADE	, SO
oartment ans Affairs	FOR OFFICIAL USE	ONLY (FOUO)	FULLY SPR	RINKLERED	ISSUE DATE 11/05/2024	
	7		8		9	

![](_page_43_Figure_0.jpeg)

![](_page_44_Figure_0.jpeg)

![](_page_44_Figure_3.jpeg)

# 2 ENLARGED DEMOLITION PLAN - TR RM TC1A

FOR OFFICIAL USE ONLY (FOUO) 7

FIRST FLOOR CENTRAL APPROVED: Project Director

113 - TELECOM DEMOLITION -

DRAWING TITLE

7

8

DOCUMENTS FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION PROJECT TITLE UPGRADES LOCATION **ISSUE DATE** 11/05/2024

![](_page_44_Picture_11.jpeg)

- **KEY NOTES** TO SOURCE. 3 EXISTING COMMUNICATIONS PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. SYSTEM IS INSTALLED.

COORDINATE THIS WORK WITH THE COR.

9

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

# **DEMOLITION GENERAL NOTES**

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED. REMOVE EXISTING PATCH PANELS AND ANY AUXILIARY EQUPMENT IN EXISTING TELECOMM RACK. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED. 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK

С

COPPER BACKBONE CABLE TO BE REMOVED BACK TO SOURCE. REMOVAL OF EXISTING PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW

![](_page_45_Figure_0.jpeg)

# BILSI ... Expires 12-31-24 •••• **VA** U.S. Department of Veterans Affairs 4

# FOR OFFICIAL USE ONLY (FOUO)

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

A. Ś

> PROJECT TITLE UPGRADES LOCATION **ISSUE DATE** 11/05/2024

![](_page_45_Picture_11.jpeg)

COORDINATE THIS WORK WITH THE COR. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM. 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED

9

# KEY NOTES

- PATCH PANELS AND CABLING IS INSTALLED.
- TO SOURCE.
- EXISTING PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW

SYSTEM IS INSTALLED.

# DEMOLITION GENERAL NOTES

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

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK 3 EXISTING COMMUNICATIONS PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SOURCE. REMOVAL OF

![](_page_46_Figure_0.jpeg)

			<ul> <li>CONDITIONS AND LIMITS OF DEMOL</li> <li>DISPOSE OF REMOVED EQUIPMENT</li> <li>COORDINATE EXTENT AND SCOPE OF</li> <li>CONTRACTOR SHALL BE RESPONSING FIXTURES, AND EQUIPMENT WITHIN WORK. THE VA WILL REMOVE, OR SINCOORDINATE THIS WORK WITH THE</li> <li>IN GENERAL, DROP LOCATIONS ARE DESPONSIBLE TO CONFIRM ALL OUT</li> </ul>
	$\frac{2V}{2} \frac{2V}{2} \frac{2V}{2} \frac{2}{2} \frac$		<ul> <li>6 CONTRACTOR SHALL TRACE ALL PO WITHOUT AN ADDRESS IN EXISTING PURPOSES ASSUME A MINIMUM OF</li> <li>7 IN GENERAL, DROP LOCATIONS ARE RESPONSIBLE TO CONFIRM ALL OU'</li> <li>8. ALL EXISTING COMMUNICATIONS OL REMOVE FACE PLATE, JACKS, AND O RACEWAY TO REMAIN AND BE REUS PLANS FOR LOCATIONS OF NEW TEI</li> <li>9. DEMOLITION OF ALL EXISTING FIBEF AFTER NEW CABLING IS INSTALLED, INFRASTRUCTURE. COORDINATE W</li> <li>10. CONTRACTOR SHALL MAINTAIN ANE CABLING NOT IN PROJECT SCOPE A TO PROVIDE BLANK INSERTS IN EXIST</li> </ul>
	EXAM 183S 183P 1830 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 1830A 19 20 ~ C 20 ~		<ul> <li>KEY NOTES</li> <li>1 EXISTING TELECOMMUNICATIONS PANELS AND ANY AUXILIARY EQU PATCH PANELS TO OCCUR AFTER</li> <li>2 EXISTING FIBER 'LIU' TO BE REMO TO SOURCE.</li> <li>3 EXISTING COMMUNICATIONS PUN COPPER BACKBONE CABLE TO BE EXISTING PUNCHBLOCKS AND BAY SYSTEM IS INSTALLED.</li> </ul>
$\sum_{i=1}^{2} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	(2) ENLARGED DEM (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	) OLITION PLAN
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \end{array} \end{array} \end{array} \\ \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} \end{array} \\ \begin{array}{c} \end{array} \end{array} \end{array} \\ \begin{array}{c} \begin{array}{c} \end{array} \end{array} \\ \begin{array}{c} \begin{array}{c} \end{array} \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \end{array} \\ \begin{array}{c} \end{array} \end{array} \\ $	20.4V 20.4V 20.2V 20.2V 20.2V 4 C 20.2V VESTIBULE C100DA VESTIBULE C100DA VESTIBULE C100DA BREAK ROOM C100DA BREAK ROOM C100DA BREAK ROOM C100DA BREAK ROOM C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100DA C100		
CORRIDOR <sup>1E</sup> C100Q <sup>1C</sup> C100Q	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		BUILDING KEY
	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<b>F</b>	PROJECT KEY PLA
OF CTION ITIES MENT	DRAWING TITLE 113 - TELECOM DEMOLITION - FIRST FLOOR SOUTH APPROVED: Project Director	PHASE 100% CONSTRUCTION DOCUMENTS FLS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES
oartment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE     CHECK       11/05/2024     D       9     I

![](_page_46_Figure_8.jpeg)

![](_page_47_Figure_0.jpeg)

OF CTION	DRAWING TITLE 113 - TELECOM DEMOLITION - SECOND FLOOR LAYOUT	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAS UPGRADES	TRU(

8

9

- CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- COORDINATE THIS WORK WITH THE COR. 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS
- RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.

1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

\_\_\_\_\_

![](_page_47_Figure_24.jpeg)

![](_page_48_Figure_0.jpeg)

2

# BICSI ID # 164277 Expires 12-31-24 • RCDD VA U.S. Depart of Veterans 4 5

OF FION	DRAWING TITLE 113 - TELECOM DEMOLITION - SECOND FLOOR NORTH	PHASE 100% CONSTRU DOCUMENTS	CTION	PROJECT TITLE EHRM INFRA UPGRADES	STRUCI
ENT	APPROVED: Project Director	FLS		LOCATION FORT MEAD	E, SOUT
rtment s Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPR	INKLERED	ISSUE DATE 11/05/2024	CHECK D,
	7	8		9	

DE	EMOLITION GENER
1	VISIT AND EXAMINE THE SITE PRIOF CONDITIONS AND LIMITS OF DEMOL
2	DISPOSE OF REMOVED EQUIPMENT
3	COORDINATE EXTENT AND SCOPE
4	CONTRACTOR SHALL BE RESPONSI FIXTURES, AND EQUIPMENT WITHIN WORK. THE VA WILL REMOVE, OR S COORDINATE THIS WORK WITH THE
5	IN GENERAL, DROP LOCATIONS ARE RESPONSIBLE TO CONFIRM ALL OU
6	CONTRACTOR SHALL TRACE ALL PC WITHOUT AN ADDRESS IN EXISTING PURPOSES ASSUME A MINIMUM OF
7	IN GENERAL, DROP LOCATIONS ARE RESPONSIBLE TO CONFIRM ALL OU
8.	ALL EXISTING COMMUNICATIONS OF REMOVE FACE PLATE, JACKS, AND RACEWAY TO REMAIN AND BE REUS PLANS FOR LOCATIONS OF NEW TE
٥	DEMOLITION OF ALL EXISTING FIRE

# RAL NOTES

OR TO INITIATION OF WORK TO ASCERTAIN THE DLITION AND CONSTRUCTION.

T UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. E OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. ISIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, IN SPACES AS REQUIRED TO COMPLETE EACH DAY'S SECURE, PHI, PPI, AND PERSONAL PROPERTY. E COR. RE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

OUTLET LOCATIONS ONSITE. PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS IG PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING F 200FT OF CABLING TO EACH OUTLET. RE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

UTLET LOCATIONS ONSITE. OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. CABLING BACK TO SOURCE. EXISTING BOX AND USED WHERE EVER POSSIBLE. SEE NEW TELECOMM

TELECOMM OUTLET LOCATIONS. 9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR

С

![](_page_48_Figure_17.jpeg)

PROJECT NUMBER 568-21-701 TURE **BUILDING NUMBER** 113 DRAWING NUMBER JTH DAKOTA CKED BY DRAWN BY 113-TD-022 RES DJC 

![](_page_49_Figure_0.jpeg)

			VA MEDICAL CENTE FORT MEADE, SD
• •	DRAWING TITLE	PHASE	PROJECT TITLE
OF	113 - TELECOM REMODEL -	100% CONSTRUCTION	EHRM INFRASTRU
	BASEMENT FIBER PLAN	DOCUMENTS	UPGRADES
MENT	APPROVED: Project Director	FLS	
		FULLY SPRINKLERED	ISSUE DATE
partment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)		11/05/2024
	7	8	9

![](_page_49_Picture_2.jpeg)

![](_page_50_Figure_0.jpeg)

3

1

5

: ION IES	DRAWING TITLE 113 - TELECOM DISTANCE ASSESSMENT - BASEMENT	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAS UPGRADES	STRUC
NT	APPROVED: Project Director	FLS	LOCATION FORT MEADE	E, SOU
ment Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHEC
	7	8	9	

7

8

9

1. CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRACTIONS SHALL BE HILTI SPEED

AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING

3. ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING

CONNECTORS. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT

6. CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION

7. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

9. FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION: CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF

10. PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING

12. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS

13. CABLE TRAY IN ALL TR'S TO BE WIRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY. 14. COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO

15. CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED

16. OR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION. CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES. CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE. CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPEN/HARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP. 17. CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

![](_page_50_Figure_20.jpeg)

2	3

С

<b>RACK EQUIPMENT SCHEDULE - 1-RACK TR</b>					
EQUIPMENT	QTY	ТҮРЕ	PART #		
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUA		
UPS	1	5KVA	XTREME UPS #M90C-2S5K OR APPROV EQUAL (NOTE 5)		
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1		
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED E0 (NOTE 4)		
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL		
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANGER	#MM20VMD706-W OR APPROVED EQU		
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKE #39221-E03 OR APPROVED EQUAL		
NOTES: SEE RACK ELEV	ATIONS FOR	EXACT LOCATION OF EAC	H PIECE OF EQUIPMENT.		
1. SEE FIBER ONE LINE	DIAGRAM ON S	SHEETS TJ-001 AND TJ-002			
2. SEE TELECOMM RACK		FOR QUANTITY INFORMAT	ION FOR THIS EQUIPMENT.		
	QUANTITIES.				

![](_page_51_Figure_2.jpeg)

5

	ENLARGED AREA - BASEMENT NORTH TELECOM REMODEL
Ι,	/ 1/8" = 1'-0"

Revisions:	Date:	
		CONCELLANT
		LOW VOLTAGE
		GDM
		4317 6TH AVE SE, SUITE 300
		LACEY. WA 98503
		541 436 4723
		DAVE CLEM, RCDD

2

1

ARCHITECT/ENG	NEER OF RECORD	STAMP	OFFICE OF
A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685 541.436.4723	GDM	BICSI ID # 164277	CONSTRUCTION AND FACILITIES MANAGEMENT
ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	RCDD •••	<b>VA</b> U.S. Department of Veterans Affairs
L	5		6

# FOR OFFICIAL USE ONLY (FOUO)

113 - TELECOM REMODEL -**BASEMENT NORTH** APPROVED: Project Director

DRAWING TITLE

7

KEY NOTES

ADDITONAL INFORMATION.

# DOCUMENTS FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION

PROJECT TITLE	
EHRM INFRAST	RUCTL
UPGRADES	
FORT MEADE,	SOUTH
ISSUE DATE	CHECKE
11/05/2024	DJC
9	

![](_page_51_Picture_13.jpeg)

![](_page_51_Picture_14.jpeg)

![](_page_51_Figure_16.jpeg)

![](_page_51_Figure_17.jpeg)

![](_page_51_Figure_43.jpeg)

	1		2		3
A					
В					
C					
D					
E					
F	1 <u>ENL/</u> 1/8" = 1'-	ARGED AREA	- BASEMENT E	EAST TELE	COM REMO
		Revisions:		Date:	CONSULTANT LOW VOLTAGE GDM 4317 6TH AVE SE, SUITE LACEY, WA 98503 541.436.4723 DAVE CLEM, RCDD

2

![](_page_52_Figure_4.jpeg)

# ODEL

4

5

6

7

8

![](_page_52_Picture_6.jpeg)

# FOR OFFICIAL USE ONLY (FOUO)

113 - TELECOM REMODEL -**BASEMENT EAST** APPROVED: Project Director

7

DRAWING TITLE

FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION DOCUMENTS

![](_page_52_Picture_11.jpeg)

![](_page_52_Picture_12.jpeg)

![](_page_52_Picture_13.jpeg)

![](_page_52_Picture_14.jpeg)

![](_page_53_Figure_0.jpeg)

			CRAWL SPACE
CRAWL SPACE CSB7	CRAWL	_ SPACE SB7	
CRAWL SPACE CSB9 MECHANICAL ROOM MB100			

6

7

8

4

	ARCHITECT/ENGI	NEER OF RECORD	STAMP	C	OFFICE OF
00	A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER ,WA 98685 541.436.4723	GDM	BICSI ID # 164277	CON ANE MA	NSTRUCTION D FACILITIES NAGEMENT
	ADAM GODDIN, PE	ARCHITECTS • ENGINEERS	RCDD	VA	U.S. Department of Veterans Affairs
4		5		6	

# FOR OFFICIAL USE ONLY (FOUO)

OF 113 - TELECOM REMODEL -JCTION BASEMENT SOUTH ILITIES APPROVED: Project Director EMENT

7

DRAWING TITLE

FLS FULLY SPRINKLERED

DOCUMENTS

PHASE

100% CONSTRUCTION

PROJECT TITLE UPGRADES

![](_page_53_Picture_23.jpeg)

![](_page_53_Figure_26.jpeg)

9

![](_page_54_Figure_0.jpeg)

F FION FIES	DRAWING TITLE 113 - TELECOM REMODEL - FIRST FLOOR FIBER PLAN	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRU( UPGRADES	
ENT	APPROVED: Project Director	FLS	LOCATION FORT MEAD	E, SOL
rtment s Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHE
	7	8	9	

![](_page_55_Figure_0.jpeg)

			<ol> <li>TELECOMMUNICATION RACKS.</li> <li>CONTRACTOR TO PROVIDE NEW J- CABLE IN ACCESSIBLE SPACES AS : OF J-HOOKS.</li> <li>IN GENERAL, DROP LOCATIONS ARE RESPONSIBLE TO CONFIRM ALL OU</li> <li>COORDINATE WITH ARCHITECTURA NEW TRS.</li> <li>FOR ALL NEW TELECOMM OUTLET I AREA OUTLET LOCATION: CONTRAC CONDUIT, FACEPLATE, JACKS, AND CONDUIT, SHALL BE RECESSED INT CONTRACTOR TO PROVIDE SURFAC BOX IN UNFINISHED SPACES. CONT AS REQUIRED FOR INSTALLATION C RACEWAYS WHETHER SURFACE OF SPACE OF SUSPENDED CEILING. IF CORRIDOR PATHWAY SYSTEM. SEE REQUIREMENTS. CABLING SHALL BI SPECIFICATIONS DURING HOT SWA</li> <li>PROVIDE STAINLESS STEEL COVER RE-USED.</li> <li>CONTRACTOR TO PROVIDE ACCESS</li> <li>CONTRACTOR TO RE-USE ALL EXIS FIXTURES, AND EQUIPMENT WITHIN THE VA WILL REMOVE, OR SECURE, WORK WITH THE COR.</li> <li>CABLE TRAY IN ALL TR'S TO BE WIR CONTRACTOR TO RE-USE ALL EXIS PATHWAY IF EXISTING PATHWAY IN NEW CABLING INTO ROOM WITH EX EXISTING PATHWAY IN NEW CADITRACTOR TO RE-USE ALL EXIS PATHWAY IF EXISTING PATHWAY IN NEW CABLING INTO ROOM WITH EX EXISTING PATHWAY IN NEW CABLING FOR NOUTINET OF NEW TO A MAXIMUM OF 40% FILL. CONTR REQUIRED.</li> <li>OR ALL NEW TELECOMM OUTLET LO OUTLET LOCATION. CONTRACTOR TO LOCATION FOR ROUTINE OF CABLI- AND BOXES. CONTRACTOR TO RE-LUSABLE DUE TO DAMAGE. CONTRACTOR IF SUSPENDED CEILING, OR PROVID FACILITATE PROTECTION OF SERVI REQUIREMENTS OF SPECIFICATION CONTRACTOR TO PROVIDE ALL NEI ROUTING NEW CAT6A CABLING.</li> </ol>
			DISTANCE ASSESSMENT LEGEND
			- NEW TR DISTANCE ASSESSM
OF CTION LITIES	DRAWING TITLE 113 - TELECOM DISTANCE ASSESSMENT - FIRST FLOOR APPROVED: Project Director	PHASE 100% CONSTRUCTION DOCUMENTS FLS	PROJECT TITLE EHRM INFRASTRUCT UPGRADES
<b>VIENT</b> partment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	FORT MEADE, SOUT
	7	8	

7

![](_page_55_Figure_4.jpeg)

9

**GENERAL NOTES** 

PATHWAYS AS REQUIRED.

AS REQUIRED.

![](_page_56_Figure_0.jpeg)

![](_page_56_Figure_3.jpeg)

![](_page_56_Figure_4.jpeg)

![](_page_57_Figure_0.jpeg)

# ARCHITECT/ENGINEER OF RECORD

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

4

4

ECHO

171B

33-29

WOMEN'S

169-1- 169-1-33-28

32-36

**OFFICE** 175

5

6

7

8

![](_page_57_Picture_7.jpeg)

![](_page_57_Picture_8.jpeg)

![](_page_57_Picture_9.jpeg)

**VA** U.S. Department of Veterans Affairs

APPROVED: Project Director

DRAWING TITLE 113 - TELECOM REMODEL - FIRST FLOOR CENTRAL

> FLS FULLY SPRINKLERED

PHASE DOCUMENTS

100% CONSTRUCTION

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

VA MEDICAL CENTER FORT MEADE, SD

PROJECT KEY PLAN

# TELECOMMUNICATION RACKS. OF J-HOOKS. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE. NEW TR'S. WORK WITH THE COR.

9

**GENERAL NOTES** 

PATHWAYS AS REQUIRED.

AS REQUIRED.

REQUIRED.

- SPECIFICATIONS DURING HOT SWAP. RE-USED. 11. CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED. FABRICATION AND INSTALLATION.

![](_page_57_Figure_28.jpeg)

![](_page_58_Figure_0.jpeg)

![](_page_58_Figure_4.jpeg)

# FULLY SPRINKLERED

**100% CONSTRUCTION** 

# PROJECT TITLE UPGRADES LOCATION **ISSUE DATE** 11/05/2024

![](_page_58_Picture_14.jpeg)

![](_page_58_Figure_15.jpeg)

	RACK E	QUIPMENT SCHEDU	LE - 1-RACK TR		
EQUIPMENT	QTY	TYPE	PART #		
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL		
UPS	1	5KVA	XTREME UPS #M90C-2S5K OR APPROVED EQUAL (NOTE 5)		
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1		
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 4)		
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL		
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANGER	#MM20VMD706-W OR APPROVED EQUAL		
PDU 2 VERTICAL PDU APC #8863, WITH MOUNTING BRACKETS #39221-E03 OR APPROVED EQUAL					
NOTES: SEE RACK ELEV	ATIONS FOR	EXACT LOCATION OF EAC	H PIECE OF EQUIPMENT.		
1. SEE FIBER ONE LINE D	DIAGRAM ON S	SHEETS TJ-001 AND TJ-002	FOR ADDITIONAL INFORMATION.		
2. SEE TELECOMM RACK	ELEVATIONS	FOR QUANTITY INFORMAT	ION FOR THIS EQUIPMENT.		
3. SEE FLOOR PLAN FOR QUANTITIES.					

![](_page_59_Figure_0.jpeg)

![](_page_60_Figure_0.jpeg)

![](_page_60_Picture_1.jpeg)

	USE UNLI	(FUUU)
7		

# FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

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

PROJECT TITLE

# OF J-HOOKS. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE. NEW TR'S. RE-USED. WORK WITH THE COR. FABRICATION AND INSTALLATION. REQUIRED.

- SPECIFICATIONS DURING HOT SWAP.
- SLEEVES IN ACCESSIBLE CEILINGS. AS REQUIRED. PATHWAYS AS REQUIRED. EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS. TELECOMMUNICATION RACKS.

**GENERAL NOTES** 

![](_page_60_Figure_16.jpeg)

![](_page_61_Figure_0.jpeg)

RACK EQUIPMENT SCHEDULE - 1-RACK TR					
EQUIPMENT	QTY	TYPE	PART #		
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL		
UPS	1	5KVA	XTREME UPS #M90C-2S5K OR APPROVED EQUAL (NOTE 5)		
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1		
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 4)		
CABLE MANAGER NOTE 2 HORIZONTAL CABLE 13930-701 OR			13930-701 OR APPROVED EQUAL		
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANGER	#MM20VMD706-W OR APPROVED EQUAL		
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #39221-E03 OR APPROVED EQUAL		
NOTES: SEE RACK ELEV	ATIONS FOR I	EXACT LOCATION OF EACI	H PIECE OF EQUIPMENT.		
1. SEE FIBER ONE LINE D	AGRAM ON S	HEETS TJ-001 AND TJ-002	FOR ADDITIONAL INFORMATION.		
2. SEE TELECOMM RACK	ELEVATIONS	FOR QUANTITY INFORMAT	ION FOR THIS EQUIPMENT.		
3. SEE FLOOR PLAN FOR	QUANTITIES.				
4. PROVIDE LEVITON #E2XHD-CMB REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.					

![](_page_61_Figure_5.jpeg)

![](_page_61_Figure_6.jpeg)

				and a second sec
				EDICAL C RT MEAD
OF CTION	DRAWING TITLE 113 - TELECOM REMODEL - SECOND ELOOR NORTH	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAS UPGRADES	STRUC
OF       DRAWING TITLE       PHASE       100% CONSTRUCTION       PHASE         113 - TELECOM REMODEL -       100% CONSTRUCTION       DOCUMENTS       PHASE         SECOND FLOOR NORTH       APPROVED: Project Director       FLS       FLS       FULLY SPRINKLERED       L         artment       FOR OFFICIAL USE ONLY (FOUO)       FULLY SPRINKLERED       L	LOCATION FORT MEADE	E, SOU		
artment ans Affairs	FOR OFFICIAL USE ONLY (FOUO)		11/05/2024	
	7	8	9	

![](_page_62_Figure_0.jpeg)

	AF	CHITECT/ENGI	NEER OF RECORD	STAMP	OFFICE
300	A/E GDN 1308 VAN 541.4	NE 134TH ST SUITE A COUVER ,WA 98685 I36.4723	GDM	BICSI ID # 164277	CONSTRU AND FACI MANAGE
	ADA	M GODDIN, PE	ARCHITECTS • ENGINEERS	Expires 12-31-24	VA U.S. De of Veter
	4		5		6

![](_page_63_Figure_0.jpeg)

# ARCHITECT/ENGINEER OF RECORD

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

<u>A/E</u>

4

![](_page_63_Picture_3.jpeg)

5

5

4

6

7

8

![](_page_63_Picture_4.jpeg)

**OFFICE OF** CONSTRUCTI AND FACILITI MANAGEMEN

VA U.S. Departm of Veterans A

= ION IES	DRAWING TITLE 137 - TELECOM DISTANCE ASSESSMENT	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRAS UPGRADES	STRUC
NT	APPROVED: Project Director	FLS	LOCATION FORT MEADE, SOU	
ment Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHEC
	7	8	9	

9

CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS.	
EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRACTIONS SHALL BE HILTI SPEED SLEEVES IN ACCESSIBLE CEILINGS.	
FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND	
ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND	
EXISTING PATHWAYS AS REQUIRED. ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE	
CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CARLES, CONTRACTOR SHALL, PROVIDE 10, OF	
ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.	
IN TELECOMMUNICATION RACKS. CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER	
OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.	
IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.	-
COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TR'S.	
AREA OUTLET LOCATION: CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAP IN FINISHED SPACES OR CONDUIT	
AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPEN/HARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET	
REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP. PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING	
CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE	
FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.	
TRAY. COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND	
ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.	-
CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED	
FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION. CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES. CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE. CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPEN/HARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT	
SWAP. CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.	
	_
	_

![](_page_63_Picture_10.jpeg)

![](_page_64_Figure_0.jpeg)

	DRAWING TITLE	PHASE	PROJECT TITLE	
JF TION TIES	137-TELECOM REMODEL PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUC <sup>®</sup> UPGRADES	
ENT	APPROVED: Project Director	FLS	LOCATION FORT MEADE,	SOU
ortment ns Affairs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	CHECI D
	7	8	9	

![](_page_65_Figure_0.jpeg)

2

![](_page_65_Picture_4.jpeg)

6

7

8

J	DRAWING TITLE 144 - TELECOM DEMOLITION PLAN	PHASE 100% CONSTRUCTION DOCUMENTS		PROJECT TITLE EHRM INFRAST UPGRADES	[RUC
	APPROVED: Project Director	FLS		FORT MEADE,	SOU
nt nirs	FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLE	RED	SSUE DATE 11/05/2024	CHEC
	7	8		9	

![](_page_65_Picture_7.jpeg)

- KEY NOTES 1 EXISTING TELECOMM CABINETS TO REMAIN. TO SOURCE. 3 EXISTING COMMUNICATIONS BETs, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED.
- PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND
- PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
- CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR

9

# DEMOLITION GENERAL NOTES

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

2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING

7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS 8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE.

RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM 9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY

AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED

TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

# 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK

COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BETS, PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.

\_\_\_\_\_

С

![](_page_66_Figure_0.jpeg)

2

3

4

5

	ARCHITECT/E A/E GDM 1308 NE 134TH ST SUIT VANCOUVER ,WA 98685 541.436.4723 ADAM GODDIN, PE	ENGINEER OF RECORD TE A 35 BIOLOGICAL STREETS	STAMP STAMP STAMP STAMP STAMP David Clem BICSI ID # 164277 Expires 12-31-24 RCDD	OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENTVAU.S. Department of Veterans Affair
4		5		6

FOR OFFICIAL USE ONLY (FOUO) terans Affairs 7

APPROVED: Project Director

7

8

6

DRAWING TITLE 144 - TELECOM REMODEL PLAN

> FLS FULLY SPRINKLERED

PHASE 100% CONSTRUCTION DOCUMENTS

PROJECT TITLE

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

VA MEDICAL CENTER FORT MEADE, SD

PROJECT KEY PLAN

**GENERAL NOTES** 

- 1. CONTRACTOR TO PROVIDE ALL CONI
- SIZED AS REQUIRED FOR ROUTING C AND NON ACCESSIBLE CEILING AREA CONDUIT SIZE IS TO BE AS NOTED.
- WALLS AND FLOORS, CONTRACTOR S
- 2. FOR NEW CONDUIT INSTALLATIONS T

- FIRE STOPPING AS REQUIRED. 3. ALL NEW FIBER SHALL BE REROUTE
- FOR ROUTING FROM POINT OF ENTR EXISTING PATHWAYS AS REQUIRED. 4. ALL FIBER OPTIC CABLES ARE TO BE
- CASSETTE CONNECTORS. ALL LENGT APPROXIMATE. IT IS THE CONTRACTOL

9

1.	CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING THROUGH WALLS AND NON ACCESSIBLE CEILING AREAS. CONDUIT SLEEVES SHALL BE HILTI SPEED SLEEVES. CONDUIT SIZE IS TO BE AS NOTED.	
2.	FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.	
3.	ALL NEW FIBER SHALL BE REROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.	A
4.	ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE CONNECTORS. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.	
5. 6.	TERMINATE FIBER CABLING IN NEW FIBER PATCH PANELS IN TELECOMMUNICATION RACKS. CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR	
7.	INSTALLATION OF J-HOOKS. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.	
8.	COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TR'S.	
9.	FOR ALL NEW TELECOMM OUTLET LOCATIONS CONTRACTOR TO PROVIDE NEW CABLING, FACEPLATES, AND JACKS. REUSE EXISTING TELECOMM OUTLET BOX AND ROUTE NEW CABLING IN EXISTING RACEWAY BACK TO NEW TR/TE LOCATION. IF EXISTING RACEWAY IS NOT LARGE ENOUGH TO ACCOMODATE THE NEW CAT6A CABLING. CONTRACTOR IS TO PROVIDE NEW BOX AND RACEWAY ADJACENT TO EXISTING LOCATION. SEE DETAILS ON SHEET TJ-017 FOR ADDITIONAL INFORMATION.	
10.	PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.	
11.	CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.	
12.	CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.	В
13.	CABLE TRAY IN ALL TR'S TO BE WIRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.	
14.	COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.	
15.	FOR NEW DATA INSTALLATIONS IN EXISTING OUTLET BOX LOCATIONS. CONTRACTOR TO INSTALL CABLING OF SUFFICIENT LENGTH AND COIL ABOVE CEILING. NEW CABLING TO BE TERMINATED AND TESTED DURING TELECOMMUNICATIONS CUTOVER. CABLING SHALL BE PROVEN TO BE FUNCTIONAL DURING HOT SWAP.	
16.	CONTRACTOR TO REUSE EXISTING RACEWAY WHEREVER POSSIBLE. IF ROUTED IN	
17.	IF EXISTING CABLING ROUTING IS ROUTED IN J-HOOKS OR CABLE TRAY. PROVIDE NEW CABLING ROUTE TO NEW TR/TE IN J-HOOKS.	
۱⁄۲		
<u>nt</u>	<u>ET INUTES</u>	

![](_page_66_Figure_32.jpeg)

![](_page_66_Figure_33.jpeg)

![](_page_67_Figure_0.jpeg)

![](_page_68_Figure_0.jpeg)

FOR OFFICIAL USE ONLY (FOUD)
------------------------------

DOCUMENTS FULLY SPRINKLERED

100% CONSTRUCTION

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

![](_page_68_Picture_7.jpeg)

CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION. 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER. COORDINATE THIS WORK WITH THE COR. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE. RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.

9

PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS. INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM. 10. CONTRACTOR SHALL MAINTAIN AND PROTECT 'OTHER SYSTEMS' JACKS AND RELATED

- KEY NOTES
- TO SOURCE.
- EXISTING PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW

SYSTEM IS INSTALLED.

# DEMOLITION GENERAL NOTES

1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE

3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL. 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY.

5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET. 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS

8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM

9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW

CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

1 EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED. REMOVE EXISTING PATCH PANELS AND ANY AUXILIARY EQUPMENT IN EXISTING TELECOMM RACK. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED. 2 EXISTING FIBER 'LIU' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK 3 EXISTING COMMUNICATIONS PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SOURCE. REMOVAL OF

![](_page_69_Figure_0.jpeg)

![](_page_69_Picture_4.jpeg)

DE	<u>EMOLITION GENE</u>
1	VISIT AND EXAMINE THE SITE PRICONDITIONS AND LIMITS OF DEM
2	DISPOSE OF REMOVED EQUIPME
3	COORDINATE EXTENT AND SCOP
4	CONTRACTOR SHALL BE RESPON FIXTURES, AND EQUIPMENT WITH WORK. THE VA WILL REMOVE, OF COORDINATE THIS WORK WITH T
5	IN GENERAL, DROP LOCATIONS A RESPONSIBLE TO CONFIRM ALL (
6	CONTRACTOR SHALL TRACE ALL WITHOUT AN ADDRESS IN EXISTI PURPOSES ASSUME A MINIMUM (
7	IN GENERAL, DROP LOCATIONS A RESPONSIBLE TO CONFIRM ALL (
8.	ALL EXISTING COMMUNICATIONS REMOVE FACE PLATE, JACKS, AN RACEWAY TO REMAIN AND BE RE PLANS FOR LOCATIONS OF NEW
~	