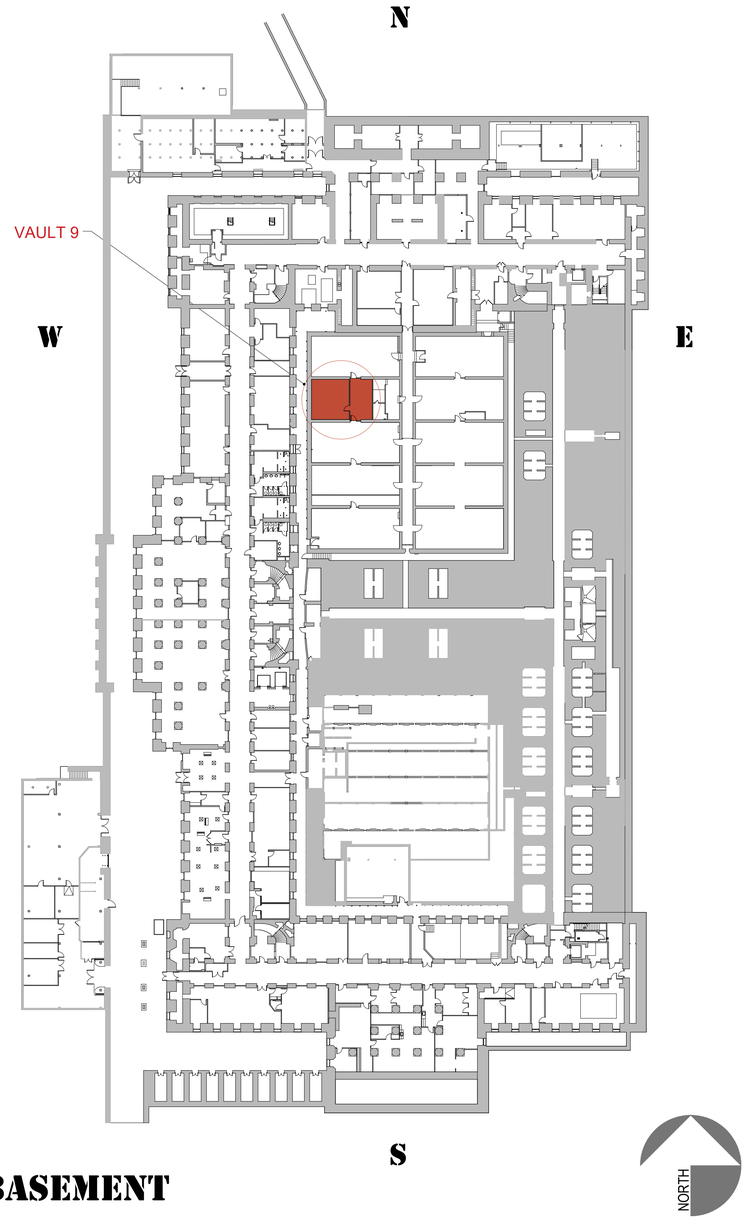
FEDERAL OFFICE BUILDING

VAULT 9 INSTALLATION OF NEW DOORS

100% SUBMISSION-REV FOR REVIEW

06-06-2026

KEY PLAN



BASEMENT

PROJECT INFORMATION

PROJECT ADDRESS:

OCCUPANCY CLASSIFICATION: B,

BUILDING SPRINKLERS: AUTOMATIC SPRINKLER SYSTEM

HISTORIC OVERVIEW: THE BUILDING IS IN THE NATIONAL REGISTER OF HISTORIC PLACES

WORK DESCRIPTION

VESTIBULE 5436

A. ALL WORK NECESSARY TO ENLARGE THE LAN ROOM ENTRY OPENING AND THE OPENING OF THE LAN ROOM VESTIBULE

B. A 44" WIDE DOOR WILL BE INSTALLED IN EACH OPENING. ADDITIONALLY, THE DOOR INTO THE LAN ROOM WILL BE STC-50 LEVEL 4. BOTH DOORS WILL BE EQUIPPED WITH HARDWARE AS PER THE CONSTRUCTION DOCUMENTS, INCLUDING A X-10 LOCK WITH KEY OVERRIDE IN THE LAN ROOM. THE EXISTING CARD READER WILL BE REUSED.

C. IF NEEDED, A SECTION OF STC-50 SOUND GROUP 4 WALL WILL BE CONSTRUCTED UNDER THE NEW THRESHOLD

REVIEW COMMENTS / NOTES

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CITADEL DCA
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER BUILDING NOs.	
FACILITY CODE	

PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

DRAWING TITLE	COVER SHEET
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	G- 001
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 1 OF 20

GENERAL CONSTRUCTION / WORK NOTES

1. OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS OF THE DESCRIPTION OF DETAILS OF WORK WHICH ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS OR ARE CUSTOMARILY PERFORMED SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MIS-DESCRIBED DETAILS OF WORK BUT SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FROM AND DESCRIBED IN THE DRAWINGS AND S SPECIFICATION

2. MANUFACTURER SPECIFIED WITHIN THE CONSTRUCTION DOCUMENTS ARE PROVIDED AS A MINIMUM PERFORMANCE CRITERIA, SUBSTITUTIONS WILL BE CONSIDERED IF COMPLAINT TO THE PERFORMANCE ESTABLISHED BY THE MANUFACTURER NOTED. BUILDING MATERIALS SUBSTANDARD TO THESE REQUIREMENTS WILL BE SUMMARILY REJECTED. ALL BUILDING COMPONENTS ARE TO BE HEAVY DUTY QUALITY AND BE FOR ABUSIVE RESISTANCE INSTALLATION. BUILDING COMPONENTS SPECIFIED HEREIN THAT DO NOT MEET THE HEAVY DUTY-ABUSIVE ENVIRONMENTAL CRITERIA MUST BE BROUGHT TO THE ATTENTION OF THE BUILDING REPRESENTATIVE AND WILL BE RE-SPECIFIED

3. BY THE SUBMISSION OF A BID, THE SUB CONTRACTOR REPRESENTS THAT HE HAS VISITED THE SITE AND HAS FAMILIARIZED HIMSELF/HERSELF WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED

4. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS AND/OR SIZE. VERIFY ALL DIMENSIONS BEFORE PROCEEDING AND OBTAIN MEASUREMENTS AT THE JOB FOR ALL WORK REQUIRED TO BE ACCURATELY FITTED TO THE BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL SUCH MEASUREMENTS AND FOR THE PRECISE FITTING OF THE WORK

5. IF CONFLICTS ARE DISCOVERED AT ANY TIME BETWEEN THE ENGINEERING AND ARCHITECTURAL DRAWINGS, THE COR SHALL BE CONTACTED AT ONCE TO RESOLVE THE PROBLEM. IF THE COR IS NOT CONTACTED, THE CONTRACTOR SHALL ACCEPT THE RESPONSIBILITY TO CORRECT ANY AND ALL SUCH WORK NOT IN A COORDINATE WITH THE ARCHITECTURAL DRAWINGS

6. CHANGES TO THE DRAWINGS (ADDITIONS, DELETIONS OR ALTERATIONS) THAT MIGHT CONSTITUTE A CHANGE ORDER MUST BE SUBMITTED IN WRITING TO THE COR FOR APPROVAL, OTHERWISE CONTRACTOR WOULD UNDERTAKE SUCH WORK AT HIS OWN RISK AND WORK MIGHT HAVE TO BE REVERSED AT CONTRACTOR'S OWN COST

7. BEST PRACTICES, METHODS AND MATERIALS, MUST BE FOLLOWED AT ALL TIMES. ANY ITEM NOT SPECIFICALLY LISTED OR SHOWN ON THE CONTRACT DOCUMENTS BUT NECESSARY FOR THE COMPLETION OF THE PROJECT, SHALL BE CONSIDERED PART OF THE CONTRACT'S SCOPE OF WORK

8. THE G. C. & ALL SUB-CONTRACTOR SHALL SUBMIT TO COR SUBMITTALS AND SHOP DRAWINGS FOR REVIEW PRIOR TO START OF CONSTRUCTION.

9. UPON COMPLETION OF THE INSTALLATION, REMOVE ALL DEBRIS FROM THE BUILDING CREATED BY THE WORK PROVIDED UNDER THIS CONTRACT AND LEAVE ALL AREAS CLEAN. REMOVE ANY SOILED SPOTS FROM THE FACE OF THE CARPET OR OTHER FINISH SURFACES USING PROCESSES RECOMMENDED BY THE MANUFACTURER AND IN A MANNER ACCEPTABLE TO THE GOVERNMENT. REPLACE ANY AREAS OF CARPET OR FINISH SURFACES WHERE CLEANING HAS FAIL TO RESTORE THE APPEARANCE AND QUALITY SATISFACTORILY, AS DETERMINED BY THE GOVERNMENT.

10. WHERE THE G. C. IS INSTRUCTED TO ALIGN A PARTITION WITH TWO OR MORE COLUMNS AND THE COLUMNS ARE DISCOVE- RED TO BE OF UNEQUAL SIZE, THE LARGER OF THE COLUMNS SHALL DETERMINE THE LOCATION OF THE PARTITION. THIS WILL ALSO APPLY TO COLUMNS AND CORE WALLS.

11. AREA OF WORK MUST BE ISOLATED FROM THE REST OF THE FLOOR. PROTECT ALL SURFACES, EQUIPMENT& FURNITURE PRIOR TO START OF WORK

12. PROTECT ALL GOVERNMENT PROPERTY ENCOUNTERED AT THE JOB SITE AGAINST DAMAGE. ALL DAMAGE CAUSED BY THE GC OR HIS SUB-CONTRACTORS DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING AND TO THE SATISFACTION AND APPROVAL OF THE COR. PRE-EXISTING DAMAGE MUST BE REVIEWED AND ACKNOWLEDGED, IN WRITING BY THE GOVERNMENT AND ARCHITECT PRIOR TO COMMENCEMENT OF WORK. DAMAGE NOT DOCUMENTED PRIOR TO CONSTRUCTION START SHALL BE REPAIRED TO LIKE NEW CONDITION WITHOUT ADDITIONAL CHARGE TO THE GOVERNMENT.

13. WHEN IN PLACE, REMOVE ALL HVAC COVERS AS NEEDED. SEAL EXPOSED DUCTS AND VENTS TO PREVENT INTRODUCING DUST INTO THE SYSTEM. (REMOVED COVERS MUST BE REINSTALLED AT END OF THE JOB)

14. THE CONTRACTOR SHALL CLEAN UP ALL ACTIVE WORK AREAS AFTER EACH DAY'S WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF ALL WORK RELATED TRASH AND DEBRIS.

15. THE G. C. SHALL ENSURE THAT ALL PAINT HAS BEEN REMOVED FROM ALL NON-SCHEDULE PAINTED SURFACES PRIOR TO DELIVERY OF THE SPACE.

16. THE G. C. SHALL COORDINATE ALL WORK WITH FIELD CONDITIONS AND ALL OTHER TRADES INVOLVED AS REQUIRED

17. IF THERE IS A QUESTION AS TO THE ACCEPTABLE LEVEL OF QUALITY FOR THE INSTALLATION OF ANY MATERIALS, THE COR DECISION WILL BE FINAL

18. NEW DOOR HARDWARE, INCLUDING HINGES AND LOCK SETS, ARE TO BE MOUNTED AT ABA HEIGHTS U. N. O.

19. ALL CEILING REGISTERS, GRILLES, VENTS AND DIFFUSERS SHALL BE FACTORY FINISHED. IF PAINTING IS REQUIRED, PROVIDE ENAMEL FINISH

20. ALL J-BENDS AND OTHER GYPSUM METAL TRIM SHALL BE SPACKLE-BLENDED INTO THE ADJACENT SURFACE.

21. WHERE TWO OR MORE WALL SWITCHES OR DIMMERS OCCUR IN THE SAME LOCATION, THEY ARE TO RECEIVE A COMMON GANG PLATE WHOSE FINISH IS TO MATCH THE BUILDING STANDARD SWITCH PLATE.

22. ALL PAINTED WALLS SHALL BE HAVE A LEVEL 4 FINISH: WITH ONE ROLLER-APPLIED (1) PRIMER COAT AND (2) ROLLER- APPLIED FINISH COATS.

23. PROVIDE THRESHOLDS AT ALL DOORS & TRANSITION STRIPS WHERE CARPET MEETS A DIFFERENT TYPE OF FLOORING UNLESS NOTED OTHERWISE

24. REVIEW THE SCHEDULES, SPECIFICATIONS AND CUT SHEETS FOR ACCESSORIES, FIXTURES, ETC. THAT ACCOMPANY THE DRAWING SET PRIOR TO PLACING ORDERS. IF CONFLICTS ARE FOUND, INFORM THE COR OF SUCH FINDINGS AND TAKE NO ACTION UNTIL RESOLVED. IN THOSE CASES, IF AN ORDER FOR AN UNRESOLVED ITEM IS PLACED WITHOUT APPROVAL OF COR, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY IF THE ITEM IS NOT ACCEPTED BY THE GOVERNMENT

25. ALL WORK MUST BE COMPLETED CONFORMING TO CODES AND REGULATIONS WHICH INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING (LATEST EDITIONS AS PER 9/2025) : International Building Code (IBC), International Existing Building Code (IEBC), DT-DRM REV. 2.1, Architectural Barriers Act (ABA) Accessibility Standards, NFPA 1: Fire Code, NFPA 10: Standard for Portable Fire Extinguishers, NFPA 13: Standard for the Installation of Sprinkler Systems,NFPA 70 (NEC): National Electrical Code, NFPA 72: National Fire Alarm and Signaling Code, NFPA 80: Standard for Fire Doors and Other Opening Protectives, NFPA 90A: Standard for the Installation of Air-Conditioning and Ventilating SystemsNFPA 101: Life Safety Code, NFPA 241: Standard for Safeguarding Construction, Alteration, and Demolition Operations. WHERE A CONFLICT OCCURS IN OR BETWEEN THE AFOREMENTIONED CODES AND REGULATIONS, THE STRICTER SHALL APPLY UNLESS OTHERWISE INDICATED OR AGREED UPON.

26. THE INVESTIGATION FOR AND REMEDIATION OF ANY HAZARDOUS MATERIALS WITHIN THE PROJECT AREA ARE NOT A PART OF THESE CONSTRUCTION DOCUMENTS. ANY SUCH MATERIAL THAT IS ENCOUNTERED AND IMPACTS THE PROGRESS OF THE WORK INDICATED BY THESE DRAWINGS AND SPECIFICATIONS MUST BE DEALT WITH BY THE CONTRACTOR WITH THE OWNER UNDER SEPARATE CONTRACT. THIS REQUIREMENT SHALL IN NO WAY BE CONSTRUED AS REPRESENTATION BY THE ARCHITECT AS TO HOW TO IDENTIFY AND REMEDIATE SAID MATERIAL.

27. CONTACT DFM TO PERFORM INSPECTIONS PRIOR TO WALL AND CEILING CLOSE-INS, AS WELL AS FINAL OCCUPANCY INSPECTION.

28. PROVIDE DEMOLITION TO THE MINIMUM EXTENT REQUIRED FOR THE INSTALLATION OF FIRE ALARM, SECURITY SYSTEMS AND TELECOMMUNICATIONS WORK. COORDINATE WITH EACH TRADES AND CONSULTANTS AND VERIFY THE EXTENT OF THE WORK REQUIRED. EXISTING FINISHES AND EQUIPMENT IN THE WORK AREAS ARE TO REMAIN AND SHOULD BE DISTURBED ONLY TO THE MINIMUM EXTENT TO PERFORM THE WORK.

29. COORDINATE ALL WORK REQUIRED ON FLOORS AND IN THE CEILINGS ABOVE AND BELOW THE PROJECT AREA W/ THE COR AND W/ THE USERS IN THE AFFECTED AREAS. REMOVE EXISTING CONSTRUCTION TO THE MINIMUM EXTENT REQUIRED FOR THE PERFORMANCE OF THE WORK AND REPLACE WITH LIKE-KIND AT THE CONCLUSION OF THE WORK. VERIFY THE TYPES AND AMOUNT OF EXISTING CONSTRUCTION TO BE AFFECTED. PROTECT ALL USER FURNITURE, FIXTURES AND EQUIPMENT WHILE PERFORMING THE WORK AND REPLACE ANY DAMAGED ARTICLES IN-KIND. CLEAN ALL AFFECTED USER AREAS AFTER THE COMPLETION OF THE WORK AND RETURN ALL FF&E ITEMS TO THEIR ORIGINAL LOCATIONS.

30. POWDER-ACTIVATED TOOLS REQUIRE WRITTEN APPROVAL BY THE PROJECT OFFICER AND PRESENTED UPON REQUEST WHEN IN USE. USE OF THESE TOOLS ALSO REQUIRES PROOF OF LICENSING AND TRAINING WHICH MUST ALSO BE PROVIDED UPON REQUEST. CONTRACTOR SHALL PROVIDE A LOG OF "WHO, WHAT, WHERE AND WHEN" FOR ANY POWER OR POWDER ACTIVATED TOOLS THAT WILL BE USED. EXAMPLES OF SUCH TOOLS INCLUDE: AIR OR ELECTRICALLY POWERED TOOLS SUCH AS NAIL-GUNS, RAM TOOLS, OR ANY OTHER TOOL THAT CAN PROPEL A PROJECTILE AND MIGHT BE WEAPONIZED. THE LOG SHALL BE CONTINUALLY UPDATED DURING CONSTRUCTION, MADE AVAILABLE UPON REQUEST, AND PROVIDED TO THE PROJECT OFFICER AT WORK COMPLETION. (NOTE: GAS TOOLS ARE NOT ALLOWED AT TREASURY)

31. ALL MATERIALS MUST BE U.S.A. MADE

HISTORIC PRESERVATION

1. ANY PROJECT AFFECTING HISTORIC PROPERTIES MUST FOLLOW SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES
2. ALL DESIGNS MUST FOLLOW APPLICABLE NIH TECHNICAL GUIDELINES AND REQUIREMENTS FOR HISTORICAL BUILDINGS
3. PROTECT ALL HISTORIC FABRIC DURING DEMOLITION AND CONSTRUCTION. DO NOT REMOVE HISTORIC FABRIC UNLESS NOTED ON DOCUMENTS. ANY HISTORIC FABRIC REMOVED MUST BE RETURNED TO COR. DO NOT DISPOSE.

ABBREVIATIONS

A	ABA	ARCHITECT. BARRIERS ACT
	AC	ACOUSTICAL TILE
	ACT	ACOUSTIC CEILING TILE
	AD	AREA DRAIN
	ADA	AMER. W/ DISABILITIES ACT
	ADJ	ADJUSTABLE
	AFF	ABOVE FINISH FLOOR
	ALT	ALTERNATE
	ALUM	ALUMINUM
	A&G	ALUMINUM AND GLASS
	ANCH	ANCHOR
	APPROX	APPROXIMATE
	AOR	ARCHITECT OF RECORD
	ARCH	ARCHITECTURAL
	ATT	ATTENUATION
	AU	ASH URN
	A/V	AUDIO VISUAL
B	B & B	BALLED AND BAGGED
	BD	BOARD
	BET	BETWEEN
	BF	BARRIER FREE
	BIT	BITUMINOUS
	BLDG	BUILDING
	BLKG	BLOCKING
	BM	BEAM
	BMK	BENCHMARK
	BNG	BEARING
	BOD	BOTTOM OF DECK
	BTM	BOTTOM
	BR	BACKER ROD
	BRG	BRIDGING
	BUR	BUILT UP ROOFING
	BW	BOTH WAYS
C	C	COURSE
	CAB	CABINET
	CEM	CEMENT OR CEMENTITIOUS
	CER	CERAMIC
	CG	CORNER GUARD
	CIP	CAST IN PLACE
	CJ	CONTROL JOINT
	CL	CENTER LINE
	CLG	CEILING
	CLM	COLUMN
	cm	CENTIMETER
	CMU	CNCRETE MASONRY UNIT
	COMP	COMPRESSION
	CONC	CONCRETE
	CONT	CONTINUOUS
	CORR	CORRIDOR
	CPT	CARPET
	CSK	COUNTERSINK
	CT	CERAMIC TILE
	CTTA	CERTIFIED TEMPEST TECHNICAL AUTHORITY
D	D	DEPTH OR DEEP
	DBL	DOUBLE
	DBC	DESIGN BUILD CONTRACTOR
	DEG	DEGREE
	DEMO	DEMOLITION
	DET	DETAIL
	DF	DRINKING FOUNTAIN
	DIA	DIAMETER
	DIM	DIMENSION
	DN	DOWN
	DP	DAMP PROOFING
	DR	DOOR
	DS	DOWN SPOUT
	DW	DISH WASHER
	DWG	DRAWING
	DWR	DRAWER
E	E	EAST
	EA	EACH
	EHB	ELECTRIC HAND BLOWER
	EHD	ELECTRIC HAND DRYER
	EIFS	EXISTING INSULATING FINISH
	EJ	EXPANSION JOINT
	EL	ELEVATION (GRADE)
	ELEC	ELECTRICAL
	EQ	EQUAL
	EQUIP	EQUIPMENT
	ETS	EXPOSED TO STRUCTURE
	EW	EACH WAY
	EWC	ELECTRIC WATER COOLER
	EXT	EXTERIOR
	EXTG	EXISTING
	EXTD	EXTRUDED
F	FCU	FAN COIL UNIT
	FD	FLOOR DRAIN
	FE	FIRE EXTINGUISHER
	FEC	FIRE EXTINGUISHER CABINET
	FEX	FIRE EXTINGUISHER (NO CAB)
	FFA	FURNITURE, FIXTURES & ACCESSORIES
	FFE	FURNITURE, FIXTURES & EQUIPMENT
	FF	FINISHED FLOOR
	FHC	FIRE HOSE CABINET
	F&I	FURNISH AND INSTALL
	FIN	FINISH
	FLASH	FLASHING
	FLR	FLOOR
	FLUOR	FLUORESCENT
	FOF	FACE OF FINISH
	FP	FIREPROOFING
	FPHB	FREEZE-PROOF HOSE BIB
	FR	FIRE RETARDANT/ RESISTANT
	FRP	FIBERGLASS REINFORCED POLYMER
	FT	FOOT/FEET
	FTG	FOOTING
	FURN	FURNITURE
	FURR	FURRING
	FV	FIELD VERIFY
	FWC	FABRIC WALL COVERING
G	GA	GAUGE
	GALV	GALVANIZED
	GB	GRAB BAR
	GC	GENERAL CONTRACTOR
	GFI	GROUND FAULT INTERRUPT
	GFRC	GOVERNMENT FURNISHED/ CONTRACTOR INSTALLED
	GFRG CONCRETE	GLASS FIBER REINFORCED
	GL	GLASS
	GND	GROUND
	GR	GRADE
	GWB	GYPSUM WALL BOARD
	GYP	GYPSUM
	GYP BD	GYPSUM BOARD
H	H	HIGH
	HB	HOSE BIB
	HBD	HARDBOARD
	HC	HOLLOW CORE
	HCTLT	HANDICAPPED ACCESSIBLE
	TOILET	
	HD	HOLD
	HDR	HEADER
	HDW	HARDWARE
	HDWD	HARDWOOD
I	IBC	INTERNATIONAL BUILDING CODE
	IEBC	INTERNATIONAL EXISTING BUILDING CODE
	IECC	INTERNTL. ENERGY CONSERVATION CODE
	IFC	INTERNATIONAL FIRE CODE
	ID	INSIDE DIAMETER
	IMC	INTERNATIONAL MECHANICAL CODE
	IN	INCH
	INCAN	INCANDESCENT
	INCL	INCLUDING
	INSUL	INSULATION
	INT	INTERIOR
	IPC	INTERNATIONAL PLUMBING CODE
J	JB	JUNCTION BOX
	JT	JOINT
K	KD	KNOCK DOWN
	KO	KNOCK OUT
L	L	LONG
	LAM	LAMINATED
	LAV	LAVATORY
	LB	LAG BOLT OR LINEAR BOLT
	LBP	LEAD-BASED PAINT
	LF	LINEAR FEET
	LLH	LONG LEG HORIZONTAL
	LLV	LONG LEG VERTICAL
	LP	LOW POINT
	LT	LIGHT OR LIGHTING
	LW	LIGHT WEIGHT
M	M	METER
	MACH	MACHINE
	MAS	MASONRY
	MAT	MATERIAL
	MAX	MAXIMUM
	MBH	MOP & BROOM HOLDER
	MBR	MODIFIED BITUMINOUS ROOF
	MC	MEDICINE CABINET
	MECH	MECHANICAL
	MEMB	MEMBRANE
	MEP	MECHANICAL, ELECTRICAL & PLUMBING
	MFR	MANUFACTURER
	MH	MANHOLE
	MIN	MINIMUM
	MIR-F	MIRROR-FRAMED EDGE
	MIR-G	MIRROR-GLASS EDGE
	MISC	MISCELLANEOUS
	MLD	MOULDING
	MM	MILIMITER
	MNTD	MOUNTED
	MO	MASONRY OPENING
	MS	MOP SINK
	MSD	MATERIAL SAFETY DATA
	MTD	MOUNTED
	MTG	MOUNTING
	MTL	METAL
N	N	NORTH
	N/A	NOT APPLICABLE
	NCOM	NON-COMBUSTIBLE
	NEC	NATIONAL ELECTRICAL CODE
	NIC	NOT IN CONTRACT
	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	NOM	NOMINAL
	NPS	NOMINAL PIPE SIZE
	NTS	NOT TO SCALE
O	OC	ON CENTER
	OD	OUTSIDE DIAMETER
	OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
	OFD	OVERFLOW DRAIN
	OFOI	OWNER FURNISHED/ OWNER INSTALLED
	OH	OPPOSITE HAND OR OVERHEAD
	OPG	OPENING
	OPP	OPPOSITE
	OPT	OPTION OR OPTIONAL
	OSSI	OFFICE OF SECURITY & STRATEGIC INFORMATION
	OZ	OUNCES
P	PA	PUBLIC ADDRESS SYSTEM
	PAF	PRESSURE AIR FASTENER
	PC	PRECAST
	PCEM	PORTLAND CEMENT
	PCF	POUNDS PER CUBIC FOOT
	PL	PLATE
	PLAM	PLASTIC LAMINATE
	PLBG	PLUMBING
	PLF	POUNDS PER LINEAR FOOT
	PLTR	PLASTER
	PLY	PLYWOOD
	PMR	PROTECTED MEMBRANE ROOFING
	PNL	PANEL
	PNT	PAINT OR PAINTED
	POE	POINT OF ENTRY
	POL	POLISHED
	PR	PAIR
	PSF	POUNDS PER SQUARE FOOT
	PSI	POUNDS PER SQUARE INCH
	PT	POINT
	PTD	PAPER TOWEL DISPENSER
	PTN	PARTITION
	PVC	POLYVINYL CHLORIDE
	PVMT	PAVEMENT
Q	QT	QUARRY TILE
	QTR	QUARTER
	QTY	QUANTITY
R	R	RADIUS OR RISER
	RA	RETURN AIR
	RCP	REFLECTED CEILING PLAN
	RD	ROOF DRAIN
	RE	REFER
	RECEP	RECEPTACLE
	REFL	REFLECTED
	REG	REGISTER
	REINF	REINFORCEMENT
	REQD	REQUIRED
	RES	RESILIENT
	REV	REVERSE
	RFI	REQUEST FOR INFORMATION
	RH	ROBE HOOK
	RM	ROOM
	RO	ROUGH OPENING
	ROW	RIGHT OF WAY
	RSF	RESILIENT SHEET FLOORING
S	S	SOUTH
	SA	SUPPLY AIR
	SAN	SANITARY
	SB	SPLASH BLOCK
	SC	SOLID CORE
	SCC	SECURITY COMMAND CENTER
	SCHED	SCHEDULE
	SCIF	SENSITIVE COMPARTMENTED INFORMATION FACILITY
	SCWD	SOLID CORE WOOD DOOR
	SD	SOAP DISPENSER
	SECT	SECTION
	SF	SQUARE FEET
	SFP	SPRAYED FIREPROOFING
	SH	SPRINKLER HEAD
	SHT	SHEET
	SHTG	SHEATHING
	SIM	SIMILAR
	SKLT	SKYLIGHT
	SP	STANDPIPE
	SPEC	SPECIFIED OR SPECIFICATION
	SQ	SQUARE
	SR	SHOWER ROD
	SR/SC	SHOWER ROD / SHOWER CURTAIN
	SS	STAINLESS STEEL
	ST	SOAP TRAY
	STC	SOUND TRANSMISSION CLASS
	STD	STANDARD
	STL	STEEL
	STOR	STORAGE
	STRL	STRUCTURAL
	STRU	STRUCTURE
	SUSP	SUSPENDED
	SYM	SYMBOL
	SYN	SYNTHETIC
	SYS	SYSTEM
T	T	TREAD OR TOP
	TB	TOWEL BAR
	TBL	TOP OF BRICK LEDGE
	T&B	TOP & BOTTOM
	TC	TOP OF CURB
	TD	TRENCH DRAIN
	TEL	TELEPHONE
	TERR	PAINT OR PAINTED
	T&G	TONGUE AND GROOVE
	THK	THICK
	THRU	THROUGH
	TLT	TOILET
	TOC	TOP OF CONCRETE
	TOD	TOP OF DECK
	TOF	TOP OF FOOTING
	TOI	TOP OF INSULATION
	TOJ	TOP OF JOIST
	TOP	TOP OF PARAPET
	TOS	TOP OF STEEL
	TOW	TOP OF WALL
	TPH	TOILET PAPER HOLDER
	TR	TELEPHONE RECEPTACLE
	TTB	TELEPHONE TERMINAL BOARD
	TV	TELEVISION
	TYP	TYPICAL
U	UCL	UNDER CABINET LIGHT
	ULAY	UNDERLAYMENT
	UNFIN	UNFINISHED
	UNO	UNLESS NOTED OTHERWISE
	UON	UNLESS OTHERWISE NOTED
	UR	URINAL
V	VB	VAPOR BARRIER
	VCT	VINYL COMPOSITION TILE
	VERT	VERTICAL
	VIF	VERIFY IN FIELD
	VP	VENT PIPE
	VS	VENT SHAFT
	VT	VINYL TILE
	VWC	VINYL WALL COVERING
W	W	WEST OR WIDE OR WIDTH
	W/	WITH
	WB	WIND BRACE
	WC	WATER COSET
	WCOT	WAINSCOT
	WD	WOOD
	WDO	WINDOW
	WH	WEEP HOLE
	W/O	WITHOUT
	WO	WINDOW OPENING
	WP	WATER PROOFING
	WR	WASTE RECEPTACLE
	WIR	WATER RESISTANT
	WS	WEATHERSRIPPING
	WT	WEIGHT
	WWF	WELDED WIRE FABRIC
Y	YD	YARD
	&	AND
	@	AT
	=	EQUAL
	±	PLUS / MINUS
	#	POUNDS OR NUMBER
	x	TIMES
	°	DEGREES
	∠	ANGLE
	Ø	DIAMETER
	℄	CENTER LINE
	'	FEET
	"	INCHES

SYMBOLS LEGEND

- ALIGN — ALIGN SURFACES
- XX — GENERAL / KEYED NOTE
- X — DEMOLITION NOTE
- XXX — ROOM NAME / ROOM NUMBER
- XX — WALL / PARTITION TYPE
- XX — STRUCTURAL GRID COMPONENT
- ℄ — CENTER LINE
- FLOOR BOX W/ PLATE
- X — REVISION NUMBER; REVISION CLOUD
- EXISTING WALL TO REMAIN
- NEW STC-50 WALL
- NEW WALL AS PER WALL TYPE
- NOT IN THE SCOPE OF WORK
- FLOOR FINISH TRANSITION
- EXISTING DOOR ASSEMBLY TO BE REMOVED
- XXXX — EXISTING DOOR ASSEMBLY TO REMAIN
- XXXX — DOOR NUMBER; NEW DOOR ASSEMBLY
- X / X — ELEVATION NUMBER; SHEET NUMBER
- X / XX — DETAIL / SECTION NUMBER; SHEET NUMBER
- X — FURNITURE / EQUIPMENT TAG
- FINISH ELEVATION
- EXISTING 24"x 24" ACT & GRID REMAIN
- EXISTING 24"x 24" ACT & GRID TO BE ADJUSTED TO ALLOW FOR WALL
- EXISTING 24"x 24" ACT & GRID ADJUSTED ALLOWING FOR WALL

MATERIALS LEGEND

- STEEL STUD
- STEEL RUNNER
- ALUMINUM
- BATT INSULATION
- CONCRETE
- EXISTING TATE STEEL 24"x 24" FLOOR PANEL SYSTEM TO REMAIN
- EXISTING STEEL 24"x 24" FLOOR PANEL TO BE MODIFIED
- EXISTING MODIFIED STEEL 24"x 24" FLOOR PANEL
- WOOD BLOCKING CONTINUOUS
- WOOD BLOCKING NOT CONTINUOUS
- PLYWOOD
- WOOD FINISH
- GYPSUM OR SAND
- CARPET

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CERTIFICATIONS

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER	
BUILDING NOs.	
FACILITY CODE	

PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

DRAWING TITLE	NOTES, SYMBOLS AND ABBREVIATIONS
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	G- 002

DISCIPLINE	SHEET TYPE	SEQUENCE
SHEET	02 OF	20

PHYSICAL AND TECHNICAL SECURITY STANDARDS

CONSTRUCTION MUST COMPLY WITH THE IC TECH SPEC FOR ICD/ICS 705

1. PERIMETER SECURITY

1.1 THE PERIMETER OF THE SECURE SPACE INCLUDES ALL PERIMETER WALLS, WINDOWS, AND DOORS AS WELL AS THE CEILING AND FLOOR.

1.2 THE PERIMETER OF THE SECURE SPACE SHALL PROVIDE A PHYSICAL BARRIER TO FORCED, COVERT AND SURREPTITIOUS ENTRY.

1.3 WALLS, FLOOR AND CEILING SHALL BE PERMANENTLY AND SOLIDLY CONSTRUCTED AND ATTACHED TO EACH OTHER. RAISED FLOORS AND FALSE CEILINGS SHALL NOT BE USED TO ANCHOR WALL SUPPORT MATERIALS. ALL CONSTRUCTION, TO INCLUDE ABOVE THE FALSE CEILING AND BELOW A RAISED FLOOR, SHALL BE CONSTRUCTED TO PROVIDE VISUAL EVIDENCE OF UNAUTHORIZED PENETRATION.

1.4 WHEN AN EXISTING WALL IS CONSTRUCTED WITH SUBSTANTIAL MATERIAL **(E.G., BRICK, CONCRETE, CINDER BLOCK, ETC.)** EQUAL TO MEET THE PERIMETER WALL CONSTRUCTION STANDARDS, THE EXISTING WALL MAY BE UTILIZED TO SATISFY THE SPECIFICATION.

1.5 PERIMETER WALL CONSTRUCTION SPECIFICATIONS VARY BY THE TYPE OF SECURE SPACE OPERATIONS, LOCATION, USE OF SECURITY IN DEPTH (SID), AND DISCUSSION REQUIREMENTS.

2. SOUND GROUPS RATING

2.1 THE ABILITY OF A SECURE SPACE STRUCTURE TO RETAIN SOUND WITHIN THE PERIMETER IS RATED USING A DESCRIPTIVE VALUE, THE SOUND TRANSMISSION CLASS (STC). TO SATISFY THE NORMAL SECURITY STANDARDS OF SECURE SPACES, THE FOLLOWING TRANSMISSION ATTENUATION GROUPS HAVE BEEN ESTABLISHED:

2.1.1 SOUND GROUP 3 - STC 45 OR BETTER: THE SECURE SPACE PERIMETER SHALL BE DESIGNED AND CONSTRUCTED TO MEET SOUND GROUP 3 OR BETTER STANDARDS.

2.1.2 SOUND GROUP 4 - STC 50 OR BETTER : AREAS THAT PROVIDE FOR AMPLIFIED CONVERSATIONS, SUCH AS CONFERENCE CENTERS, VIDEO TELECONFERENCE (VTC) ROOMS, OR SIMILAR AREAS, SHALL BE DESIGNED AND CONSTRUCTED TO MEET SOUND GROUP 4 STANDARDS.

2.2 THIS IS NOT INTENDED TO PROTECT AGAINST DELIBERATE TECHNICAL INTERCEPTION OF AUDIO EMANATIONS.

2.3 IF AMPLIFIED SOUND EMPLOYMENT IS ANTICIPATED, SUCH AS CONFERENCE ROOM VTC, THE FACILITY NORMALLY MUST MEET SOUND TRANSMISSION CLASS (STC) REQUIREMENTS OF STC-50 FOR WALLS AND DOORS.

3. PERIMETER WALL CONSTRUCTION

WALL TYPE C (FROM ICD/ICS 705) - SUGGESTED STANDARD ACOUSTIC WALL FOR NEWLY CONSTRUCTED WALL AT ENTRANCE AS FOLLOWS: (SEE CONSTRUCTION DRAWING FOR DETAILS).

3.1 3 5/8 INCH MINIMUM 16-GAUGE STUDS @ 16 INCHES o.c. WITH:

3..1.1 THREE LAYERS 5/8 INCH-THICK GYPSUM WALLBOARD (GWB) AS FOLLOWS: TWO LAYERS ON THE UNCONTROLLED SIDE OF THE SECURE SPACE AND ONE ON THE CONTROLLED SIDE OVER A MINIMUM 1/2 INCH PLYWOOD ON THE CONTROLLED SIDE OF THE SECURE SPACE.

3.1.2 1/2 INCH PLYWOOD AFFIXED 8' VERTICAL BY 4' HORIZONTAL TO 16-GAUGE STUDS USING GLUE AND #10 STEEL TAPPING SCREWS AT 12 O.C.

3.1.3 GWB SHALL BE MOUNTED TO PLYWOOD WITH SCREWS AVOIDING CONTACT WITH STUDS TO MITIGATE ANY POSSIBLE ACOUSTIC FLANKING PATH.

3.1.4 THE INTERIOR TWO LAYERS OF WALLBOARD SHALL BE MOUNTED SO THAT THE SEAMS DO NOT ALIGN (I.E., STAGGER JOINTS).

3.2 ACOUSTIC FILL 3 ½ " SOUND ATTENUATION MATERIAL, FASTENED TO PREVENT SLIDING DOWN AND LEAVING VOID AT THE TOP.

3.3 THE TOP AND BOTTOM OF EACH WALL SHALL BE SEALED WITH AN ACOUSTIC SEALANT WHERE IT MEETS THE SLAB. USE FIRE SAFE NON-SHRINK GROUT, OR ACOUSTIC SEALANT IN ALL VOIDS ABOVE/BELOW TRACK BOTH SIDES OF PARTITION.

3.4 ENTIRE WALL ASSEMBLY SHALL BE FINISHED AND PAINTED FROM TRUE FLOOR TO TRUE CEILING.

4. SECURE SPACE PENETRATIONS CRITERIA

4.1 ALL PENETRATIONS OF PERIMETER WALLS SHALL BE KEPT TO A MINIMUM.

4.2 UTILITIES SERVICING AREAS OTHER THAN THE SPACE SHALL NOT TRANSIT THE SPACE UNLESS MITIGATED WITH AO APPROVAL.

4.3 UTILITIES SHOULD ENTER THE SPACE AT A SINGLE POINT.

4.4 ALL UTILITY (POWER AND SIGNAL) DISTRIBUTION ON THE INTERIOR OF A PERIMETER WALL TREATED FOR ACOUSTICS OR RF SHALL BE SURFACE MOUNTED, CONTAINED IN A RACEWAY, OR AN ADDITIONAL WALL SHALL BE CONSTRUCTED USING FURRING STRIPS AS STAND OFF FROM THE EXISTING WALL ASSEMBLY. IF THE CONSTRUCTION OF AN ADDITIONAL WALL IS USED, GYPSUM BOARD MAY BE ⅝ INCH THICK AND NEED ONLY GO TO THE FALSE CEILING.

4.5 INSTALLATION OF ADDITIONAL CONDUIT PENETRATION FOR FUTURE UTILITY EXPANSION IS PERMISSIBLE PROVIDED THE EXPANSION CONDUIT IS FILLED WITH ACOUSTIC FILL AND CAPPED (END OF PIPE COVER).

5. VENT AND DUCT WORK CRITERIA

5.1 ALL VENTS AND DUCTS SHALL BE PROTECTED TO MEET THE ACOUSTIC REQUIREMENTS OF THE SECURE SPACE (TYPICAL AIR Z-DUCT PENETRATION FOR EXAMPLE.) ALL DUCTS SHALL BE ACOUSTICALLY LINED OR WRAPPED. A NEOPRENE, CANVAS OR OTHER NON-METALLIC MATERIAL SECTIONS ARE REQUIRED TO BE INSTALLED WITHIN 6 INCHES OF THE PERIMETER WALL TO ENSURE ACOUSTIC PROTECTION FOR THE DUCT.

5.2 HEATING VENTILATION AND AIR CONDITIONING (HVAC) VENTILATION DUCTS MUST HAVE VIBRATION ISOLATION INSTALLED WITHIN 6" OF EXITING THE SECURE SPACE AND ACOUSTIC TREATMENT. A "Z-TYPE" DUCT IS AN EXAMPLE OF ACOUSTICAL ATTENUATION FOR A RETURN DUCT.

5.3 WALLS SURROUNDING DUCT PENETRATIONS SHALL BE FINISHED TO ELIMINATE ANY OPENING BETWEEN DUCT AND THE WALL.

5.4 ALL VENTS OR DUCT OPENINGS THAT PENETRATE THE PERIMETER WALLS OF A SECURE SPACE AND EXCEED 96 SQUARE INCHES SHALL BE PROTECTED WITH PERMANENTLY AFFIXED BARS OR GRILLS.

5.5 IF ONE DIMENSION OF THE PENETRATION MEASURES LESS THAN 6 INCHES, BARS OR GRILLS ARE NOT REQUIRED.

5.6 WHEN METAL SOUND BAFFLES OR WAVE FORMS ARE PERMANENTLY INSTALLED AND SET NO FARTHER APART THAN 6 INCHES IN ONE DIMENSION, THEN BARS OR GRILLS ARE NOT REQUIRED.

5.7 IF BARS ARE USED, THEY SHALL BE A MINIMUM OF 1/2 INCH DIAMETER STEEL, WELDED VERTICALLY AND HORIZONTALLY 6 INCHES ON CENTER; A DEVIATION OF 1/2 INCH IN VERTICAL AND/OR HORIZONTAL SPACING IS PERMISSIBLE.

5.8 IF GRILLES ARE USED, THEY SHALL BE OF:

5.8.1 1- 3/4 INCH-MESH, #9 (10 GAUGE), CASE-HARDENED, EXPANDED METAL; OR

5.8.2 EXPANDED METAL DIAMOND MESH, 1-1/2" #10 (1-3/8" BY 3" OPENINGS, 0.093" THICKNESS, WITH AT LEAST 80% OPEN DESIGN) TAMPERPROOF; OR

5.8.3 WELDED WIRE FABRIC (WWF) 4x4 W2.9 x W2.9 (6-GAUGE SMOOTH STEEL WIRE WELDED VERTICALLY AND HORIZONTALLY 4 INCHES o.c.).

5.8.4 IF BARS OR GRILL ARE REQUIRED, AN ACCESS PORT SHALL BE INSTALLED INSIDE THE SECURE PERIMETER OF THE SPACE TO ALLOW VISUAL INSPECTION OF THE BARS OR GRILL.

6. ELECTRICAL COMPONENTS CRITERIA

6.1 METALLIC DRAIN PIPING THOUGH A SECURE SPACE (SS)MUST HAVE A DIELECTRIC BREAK WITHIN 6 IN OF EXIT. ALL DRAIN PIPING MUST BE ACOUSTICALLY PROTECTED.

6.2 PROVIDE AN ISOLATION TRANSFORMER WITHIN LOCAL ELECTRICAL ROOM OR SS LAN ROOM. IF AN ISOLATION TRANSFORMER IS INSTALLED WITHIN THE SS LAN ROOM, NO SEPARATE RED/BLACK POWER PANELS ARE REQUIRED. ALL ELECTRICAL LOADS SHOULD BE FED BY THE ELECTRICAL PANEL(S) LOCATED WITHIN LOCAL ELECTRICAL ROOM OR SS LAN ROOM.

6.3 A SEPARATION DISTANCE OF 30 CM SHALL BE PROVIDED BETWEEN RED EQUIPMENT AND BLACK WIRE LINES THAT DIRECTLY LEAVE THE INSPECTABLE SPACE.

6.4 FOR SMALLER ELECTRICAL LOAD SSS, AN UNINTERRUPTIBLE POWER SUPPLY (UPS) MAY BE USED IN LIEU OF AN ISOLATION TRANSFORMER. THE UPS UNIT MUST BE A FULL CONVERSION, I.E., AC-DC-AC TYPE.

6.5 FIBER IS PREFERRED OVER WIRED CABLING ENTERING THE SS. CABLE TV OR OTHER COAXIAL CABLE MUST BE FIBER WHEN PENETRATING THE SS PERIMETER WALL. ALL OTHER METALLIC CABLING MUST BE SHIELDED.

6.6 GROUNDING

6.6.1 A GROUNDING POINT MUST BE PROVIDED WITHIN THE SS, PREFERABLY IN THE SS LAN ROOM.

6.6.2 FORTUITOUS CONDUCTORS. ALL PIPES, CONDUITS, AND METALLIC TUBING (NEW AND EXISTING) SHOULD BE GROUNDED AT THE SECURE SPACE (SS) PERIMETER WALL EXIT POINT, WITHIN 6 IN OF EXIT.

6.6.3 ANY EXISTING WIRING OR PIPING THAT WILL NOT BE USED MUST BE REMOVED. FOR NEW WORK, DIELECTRIC BREAKS MAY BE INSTALLED BETWEEN THE GROUNDING CLAMP AND PERIMETER WALL OR IN PERIMETER WALL ITSELF.

6.6.4 NO DIELECTRIC BREAK REQUIRED IN FIRE SUPPRESSION, SPRINKLER PIPING

6.6.5 FOR GROUNDING USE STANDARD METALLIC CLAMPS, #14 AWG OR LARGER GAUGE COPPER WIRE, STRANDED COPPER, WIRE, OR BRAIDED STRAP, AND BOND TO BUILDING GROUND. GROUNDING RESISTANCE SHOULD NOT EXCEED 1 MILLIOHM.

6.6.6 RECORD GROUNDING CONNECTIONS, ELECTRICAL PANEL, TRANSFORMER NAME PLATE VIA PHOTOGRAPHIC MEANS.

7. GENERAL SECURE SPACE INTRUSION DETECTION SYSTEM (IDS) REQUIREMENTS

7.1 IDS SHALL DETECT ATTEMPTED OR ACTUAL UNAUTHORIZED HUMAN ENTRY INTO A SECURE SPACE. (SEE CHAPTER 7 OF THE ICD/ICS 705).

7.2 SPACE SHALL BE PROTECTED BY IDS WHEN NOT OCCUPIED.

7.3 INTERIOR AREAS OF A SPACE THROUGH WHICH REASONABLE ACCESS COULD BE GAINED, INCLUDING WALLS COMMON TO AREAS NOT PROTECTED AT THE SCI LEVEL, SHALL BE PROTECTED BY IDS.

7.4 DOORS WITHOUT ACCESS CONTROL SYSTEMS AND THAT ARE NOT UNDER CONSTANT VISUAL OBSERVATION SHALL BE CONTINUOUSLY MONITORED BY THE IDS.

7.5 REQUIREMENTS FOR ELECTRICAL POWER

7.5.1 IN THE EVENT OF PRIMARY POWER FAILURE, THE SYSTEM SHALL AUTOMATICALLY TRANSFER TO AN EMERGENCY ELECTRICAL POWER SOURCE WITHOUT CAUSING ALARM ACTIVATION.

7.5.2 TWENTY-FOUR HOURS OF UNINTERRUPTIBLE BACKUP POWER IS REQUIRED AND SHALL BE PROVIDED BY BATTERIES, AN UNINTERRUPTIBLE POWER SUPPLY (UPS), GENERATORS, OR ANY COMBINATION.

8. SECURE SPACE DOOR CRITERIA

8.1 DOOR TYPE DEFINITIONS

8.1.1 PRIMARY DOOR: A SECURE SPACE PERIMETER DOOR RECOGNIZED AS THE MAIN ENTRANCE. **THERE SHALL BE ONLY ONE PRIMARY DOOR TO A SECURE SPACE.**

8.1.2 SECONDARY DOOR: A SECURE SPACE PERIMETER DOOR EMPLOYED AS BOTH AN ENTRY AND EGRESS DOOR THAT IS NOT THE PRIMARY DOOR.

8.1.3 EMERGENCY EGRESS-ONLY DOOR: A SECURE SPACE PERIMETER DOOR EMPLOYED AS AN EMERGENCY EGRESS DOOR WITH NO ENTRY CAPABILITY.

8.2 THE ACCREDITING OFFICIALS (AO) MUST APPROVE ADDITIONAL ENTRANCE DOORS FOR USE BY SECURE SPACE RESIDENTS PROVIDED THAT THE DOORS ARE EQUIPPED WITH AN APPROVED ACCESS CONTROL SYSTEM AND ARE SECURED WITH AN APPROVED DEAD BOLT OR LOCK WHEN THE SPACE IS NOT OCCUPIED. THE DEADBOLT SHALL NOT BE ACCESSIBLE FROM THE EXTERIOR.

8.3 CRITERIA FOR ALL SECURE SPACE PERIMETER DOORS

8.3.1 SECURE SPACE DOORS & FRAME ASSEMBLIES SHALL MEET ACOUSTIC REQUIREMENTS UNLESS DECLARED A NON-DISCUSSION AREA. DOOR'S SERVICING AREAS BUILT TO STC LEVEL 4 OR 5 REQUIRE A SPECIALIZED ACOUSTIC RATED ASSEMBLY.

8.3.2 PERIMETER DOORS SHALL COMPLY WITH APPLICABLE BUILDING, SAFETY, AND ACCESSIBILITY CODES AND REQUIREMENTS.

8.3.3 ALL PERIMETER DOORS SHALL BE ALARMED IN ACCORDANCE WITH INTRUSION DETECTION SYSTEM (IDS) STANDARDS.

8.3.4 ALL PERIMETER DOORS SHALL BE EQUIPPED WITH A 30 SECOND AUTOMATIC NON-HOLD DOOR-CLOSER WHICH SHALL BE INSTALLED INTERNAL TO THE SPACE.

8.3.5 HINGE PINS THAT ARE ACCESSIBLE FROM OUTSIDE OF THE SPACE DOOR SHALL BE MODIFIED TO PREVENT REMOVAL OF THE DOOR, E.G., WELDED, SET SCREWS, ETC.

8.3.6 PARTICULAR ATTENTION MUST BE PAID TO THE DOOR FRAME, SWEEPS, AND DOOR CLOSER AS THESE ARE AREAS PARTICULARLY VULNERABLE TO SOUND LEAKAGE AND ARE MOST COMMONLY THE REASON FOR FAILURE TO MEET THE STC CONSTRUCTION STANDARD.

8.3.7 IT IS RECOMMENDED THAT A CERTIFIED COMMERCIAL CONTRACTOR TO INSTALL THE PREFABRICATED DOORS STC-50 OR HIGHER RATED DOOR.

8.3.8 SECURE SPACE PERIMETER DOORS SHALL BE PROTECTED BY A HIGH SECURITY SWITCH (HSS) AND A MOTION DETECTION SENSOR SUCH AS PASSIVE INFRARED SENSOR (PIR).

8.4 PRIMARY DOOR CRITERIA

8.4.1 THERE SHALL BE ONLY ONE PRIMARY DOOR TO A SECURE SPACE.

8.4.2 SHALL BE EQUIPPED WITH GSA-APPROVED PEDESTRIAN DOOR DEADBOLT MEETING THE MOST CURRENT VERSION OF FEDERAL SPECIFICATION FF-L-2890. STANDALONE AND FLUSH MOUNTED DEAD BOLTS ARE PROHIBITED.

8.4.3 IT SHALL BE EQUIPPED WITH A COMBINATION LOCK MEETING THE MOST CURRENT VERSION OF FEDERAL SPECIFICATION FFL- 2740.

8.4.4 IT SHALL BE EQUIPPED WITH AN APPROVED ACCESS CONTROL DEVICE (ACD) (SEE CHAPTER 8 OF THE ICD / ICS 705). THE ACD MAY BE EQUIPPED WITH A BY-PASS KEYWAY FOR USE IN THE EVENT OF AN ACCESS CONTROL SYSTEM FAILURE.

8.5 EMERGENCY EXIT DOORS (IF REQUIRED) SHALL

8.5.1 BE SECURED WITH 3-POINT DEADLOCKING PANIC HARDWARE ON THE INSIDE

8.5.2 HAVE NO EXTERIOR HARDWARE.

8.5.3 BE ALARMED 24/7

8.5.4 PROVIDE A LOCAL AUDIBLE ANNUNCIATION WHEN OPENED

8.6 WOOD DOORS

8.6.1 WOOD DOORS SHALL BE 1 3/4 INCH-THICK SOLID WOOD CORE (WOOD STAVE)

8.7 STEEL DOORS SHALL MEET FOLLOWING SPECIFICATIONS:

8.7.1 1 ¾ INCH-THICK FACE STEEL EQUAL TO 18 GAUGE

8.7.2 HINGES REINFORCED TO 7 GAUGE

8.7.3 DOOR CLOSURE REINFORCED TO 12 GAUGE

8.7.4 LOCK AREA PREDRILLED AND/OR REINFORCED TO 10 GAUGE

9. WINDOWS CRITERIA

9.1 EVERY EFFORT SHOULD BE MADE TO MINIMIZE OR ELIMINATE WINDOWS IN THE SPACE, ESPECIALLY ON THE GROUND FLOOR.

9.2 WINDOWS SHALL BE NON-OPENING.

9.3 WINDOWS SHALL BE PROTECTED BY SECURITY ALARMS WHEN THEY ARE WITHIN 18 FEET OF THE GROUND OR AN ACCESSIBLE PLATFORM.

9.4 WINDOWS SHALL PROVIDE VISUAL AND ACOUSTIC PROTECTION.

10. FLOOR AND CEILING CRITERIA

10.1 FLOORS AND CEILINGS SHALL BE CONSTRUCTED TO MEET THE SAME STANDARDS FOR FORCE PROTECTION AND ACOUSTIC PROTECTION AS WALLS.

10.2 ALL FLOOR AND CEILING PENETRATIONS SHALL BE KEPT TO A MINIMUM.

11. TEMPEST CRITERIA

11.1 RF SHIELDING FOIL INSTALLATION IS DEPENDENT ON THE INFORMATION ABOVE REGARDING THE SS SEPARATION DISTANCE FROM OTHERS, I.E., DETERMINATION OF THE INSPECTABLE SPACE BY THE CERTIFIED TEMPEST TECHNICAL AUTHORITY (TREASURY (OIA) CTTA). ALL WALLS, CEILINGS, AND FLOORS MUST BE FOILED.

11.2 RADIO FREQUENCY (RF) SHIELDING PROTECTION FOR SECURE SPACE PERIMETER

11.2.1 RF PROTECTION SHALL BE INSTALLED AT THE DIRECTION OF THE CTTA WHEN A SECURE SPACE UTILIZES ELECTRONIC PROCESSING AND DOES NOT PROVIDE ADEQUATE RF ATTENUATION AT THE INSPECTABLE SPACE BOUNDARY. IT IS RECOMMENDED FOR ALL APPLICATIONS WHERE RF INTERFERENCE FROM THE OUTSIDE OF THE SPACE IS A CONCERN INSIDE THE SPACE.

11.2.2 INSTALLATION OF RF PROTECTION SHOULD BE DONE USING EITHER THE DRAWINGS OR *BEST PRACTICES GUIDELINES FOR ARCHITECTURAL RADIO FREQUENCY SHIELDING*, PREPARED BY THE TECHNICAL REQUIREMENTS STEERING COMMITTEE UNDER THE CENTER FOR SECURITY EVALUATION. THIS DOCUMENT IS AVAILABLE THROUGH THE CENTER FOR SECURITY EVALUATION, OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE (ONCIX/CSE).

11.2.3 RF INSTALLATION ON THE WALLS | NEW WALLS:

OPTION 1: FOIL SHOULD BE INSTALLED BETWEEN THE TWO INNER LAYERS (SS) OF GWB.
OPTION 2: INSTALL ONE LAYER OF FOIL BACK GYPSUM BOARD OVER ONE LAYER OF GYPSUM BOARD ON THE SS OF THE WALL.

IN BOTH OPTIONS, THE GWB PANELS SHOULD BE INSTALLED WITH STAGGERED JOINTS, AND THE INSTALLATION SHOULD BE IN A MANNER TO PROTECT THE FOIL.

11.2.4 RF INSTALLATION ON THE WALLS | EXISTING WALLS:

OPTION 1A: EMI CONDUCTIVE FABRIC OR EMI SHIELDING LAMINATES: THESE TYPES OF SHIELDS ARE PERFECT FOR ISOLATING ASSEMBLIES ALREADY IN PLACE WITHOUT NEEDING TO DO ANY DEMOLITION.

OPTION 1B: CONDUCTIVE FABRIC TAPE EMI AND RFI TAPE VARIETIES

11.2.5 THE CEILING WOULD BE CAPPED ABOVE CURRENT CEILING TILES ALLOWING FOR THE INSTALLATION OF RF FOIL, THUS ALLOWING COMPLETING THE 6-SIDED RF FOIL BOX. CAPPED CEILING CAN BE COVERED WITH GYPSUM BOARD AND PAINTED TO MATCH COLOR BELOW CEILING TILES.

11.3 THE ENTRANCE WALL WILL NEED TO MEET THE STC-50 CRITERIA WITH FOIL BACK GYPSUM BOARD USED FOR RF MITIGATION. AREAS ABOVE THE CEILING THAT WERE NOT VERIFIED AS CONCRETE EXTERIOR WALLS MUST BE COVERED WITH FOIL BACKED GYPSUM BOARD AND BROUGHT UP TO STC-50 RATING.

11.4 WINDOW TREATMENT MAY CONSIST OF RF-SHIELDING FILM AND PHYSICAL/VISUAL RESTRICTIONS. CTTA, APPROVED THE USE OF FOIL BACKED GYPSUM BOARD AS A MEANS OF MITIGATION. BASED ON STANDOFF DISTANCE AND SIDS.

11.5 USE VOIPS, VIPER, OR TSG-6 TYPE APPROVED PHONES FOR UNCLASSIFIED SERVICE IN THE SS. SEE CNSS 5000, 5002, AND 5006 FOR DETAILS INCLUDING APPROVED VOIP DEVICES. THE CALL MANAGER MUST BE INSTALLED WITHIN A PROTECTED ROOM. THIS WILL BE AT THE DISCRETION OF CIO FOR THE TYPE OF PHONES THAT CAN SUPPORT THE ENVIRONMENT.

11.6 GENERAL ANNOUNCEMENT SPEAKERS MUST HAVE ISOLATION TRANSFORMERS OR SIMILAR. THIS ALSO APPLIES TO FIRE ALARM SPEAKER ANNUNCIATORS, NOT ELECTRONIC AIR HORN TYPE.

11.7 THE ENCRYPTION/DECRYPTION DEVICE SHOULD BE INSTALLED IN THE SERVER ROOM, NORMALLY A PART OF THE SS TO PRECLUDE THE NEED FOR AN ALARMED PROTECTED DISTRIBUTION SYSTEM (PDS). A PDS IS NOT AUTHORIZED.

11.8 NO WIRELESS DEVICES ARE ALLOWED IN THE SS.

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CITADEL DCA
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

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A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER	
BUILDING NOs.	
FACILITY CODE	

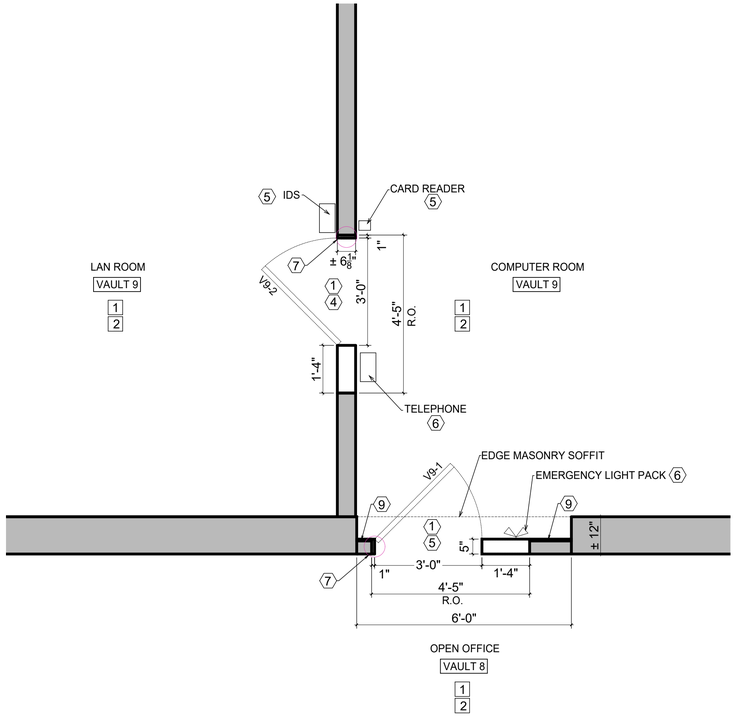
PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

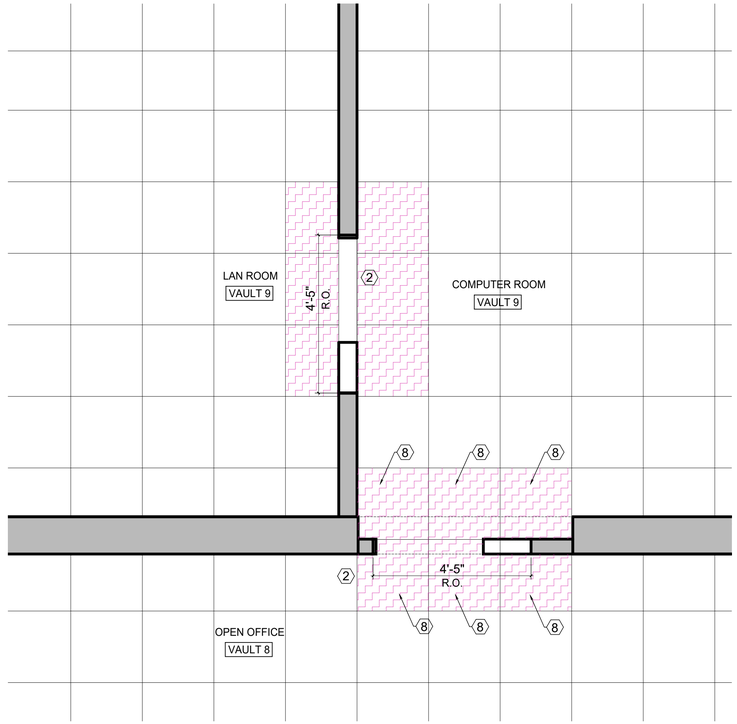
DRAWING

DRAWING TITLE	PHYSICAL AND TECHNICAL SECURITY
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF
DATE DRAFTED:	04/01/2026
CHECKED BY	LSP
SHEET SIZE:	24 x 36
DRAWING NO.	G- 003

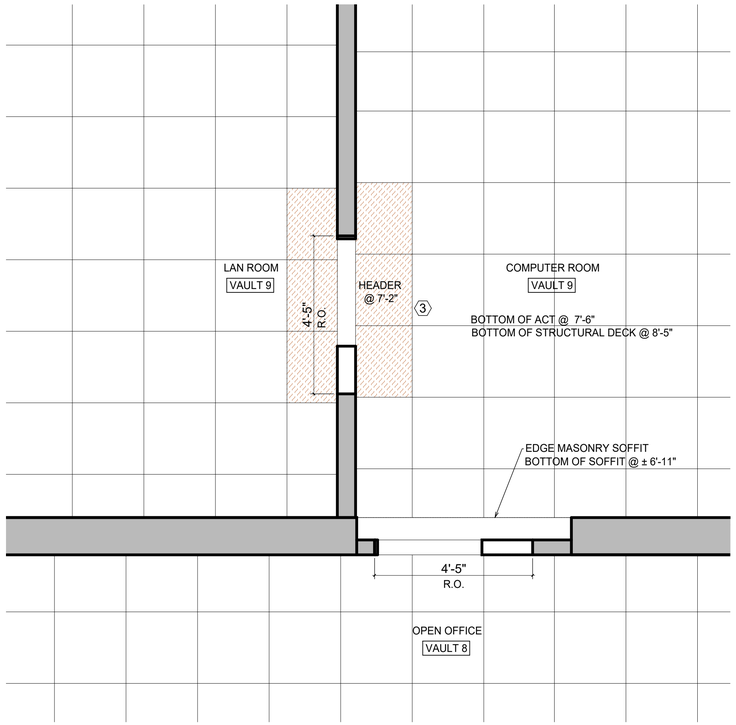
DISCIPLINE	SHEET TYPE	SEQUENCE
SHEET	03 OF	20



C-1 EXISTING AND DEMOLITION FLOOR PLAN
1/2" = 1'-0"

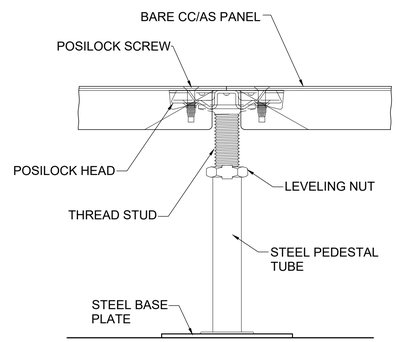


C-3 EXISTING AND DEMOLITION FLOOR PANEL SYSTEM
1/2" = 1'-0"



A-1 EXISTING AND DEMOLITION REFLECTED CEILING PLAN
1/2" = 1'-0"

CONCORE / ALL STEEL POSILOCK SYSTEM



A-3 TYPICAL SECTION AT FIELD
NTS

GENERAL NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS BEFORE STARTING. NO FORENSIC DEMOLITION WAS CONDUCTED AT THE TIME OF THE SURVEY. DISCREPANCIES MIGHT BE ENCOUNTERED BETWEEN ACTUAL CONDITIONS AND DRAWINGS. INFORM COR PRIOR TO PROCEEDING w/ WORK
2. IN CASE OF CONFLICTS BETWEEN PLANS, KEY NOTES, SECTIONS, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT APPLIES
3. ALL DIMENSIONS ARE GIVEN FROM FINISH WALL OR PARTITION TO FINISH WALL OR PARTITION
4. ALL WORK PROVIDED UNDER THIS CONTRACT SHALL BE NEW UNLESS SPECIFICALLY MARKED "EXISTING", "EXTG", OR "(E)"
5. BEST PRACTICES, METHODS AND MATERIALS, MUST BE FOLLOWED AT ALL TIMES. ANY ITEM NOT SPECIFICALLY LISTED OR SHOWN ON THE CONTRACT DOCUMENTS BUT NECESSARY FOR THE COMPLETION OF THE PROJECT, SHALL BE CONSIDERED PART OF THE CONTRACT'S SCOPE OF WORK
6. THE CONTRACTOR SHALL CLEAN UP ALL ACTIVE WORK AREAS AFTER EACH DAY'S WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE REMO- VAL AND PROPER DISPOSAL OF ALL WORK RELATED TRASH AND DEBRIS
7. PROTECT ALL GOVERNMENT PROPERTY ENCOUNTERED AT THE JOB SITE AGAINST DAMAGE. ALL DAMAGES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLA- CED TO MATCH EXISTING AND TO THE SATISFACTION AND APPROVAL OF THE COR
8. AREA OF WORK MUST BE ISOLATED FROM THE REST OF ADJACENT AREAS. PROTECT ALL SURFACES, EQUIPMENT& FURNITURE PRIOR TO START OF WORK.
9. REMOVE ALL HVAC COVERS AS NEEDED. SEAL EXPOSED DUCTS AND VENTS TO PREVENT INTRODUCING DUST INTO THE SYSTEM. (REMOVED COVERS MUST BE REINSTALLED AT END OF THE JOB)

DEMOLITION NOTES

1. ENLARGE THE OPENING AS DEPICTED FROM THE FLOOR DECK UP TO CEILING DECK. DO NOT CUT EXISTING HEAD OR BASE TRACKS. LOWER SECTION OF EXISTING WALL UNDER DOOR THRESHOLD MIGHT BE SALVAGEABLE PROVIDING THAT IT MEETS ALL STC-50 REQUIREMENTS AS PER ICD/ICS 705.
2. REMOVE EXISTING FLOOR SYSTEM PANELS AS DEPICTED AND KEEP THEM ON SITE UNTIL JOB IS COMPLETED, AT WHICH TIME THEY WILL BE REINSTALLED. DO NOT DISCARD FINISH FLOORING MATERIAL UNLESS DIRECTED BY COR.
3. REMOVE CEILING ACT AND GRID AS NEEDED. EXAMINE THE TILES AND KEEP ALL ACT IN GOOD CONDITION ON SITE UNTIL THE JOB IS COMPLETED, AT WHICH TIME THE TILES WILL BE REINSTALLED. DAMAGED AND SOILED TILES ARE TO BE DISCARDED.
4. REMOVE EXISTING DOORS, FRAMES AND HARDWARE. RETURN TO FACILITIES
5. TO REMAIN IN PLACE AS IS
6. MOVE TO THE SIDE OF THE NEW OPENING
7. DISTURB THIS SIDE OF THE WALL ONLY TO REMOVE THE FRAME.
8. IT HAS NOT BEEN ASCERTAINED IF THE WALL EXTENDS DOWN TO THE STRUCTURAL DECK UNDER THE RAISED FLOOR PANEL SYSTEM . SINCE ENTIRE WALL NEEDS TO COMPLY WITH STC-50 REQUIREMENTS, IT MUST EXTEND DOWN TO THE DECK. DEPENDING ON WHAT IS DISCOVERED DURING THE DEMOLITION PHASE, THE FLOOR PANELS WILL HAVE TO BE ALTERED OR NOT.
9. REMOVE GWB TO ALLOW FOR THE INSTALLATION OF INSULATION

KEY NOTES

1. PROTECT EXISTING WALLS AND REPAIR IF DAMAGED AS NEEDED
2. PHYSICAL SECURITY TO DETERMINE IF FROM DEMO TO COMPLETION, ONCE THE CONSTRUCTION OF WALL AND INSTALLATION OF NEW DOORS START, IT MUST BE COMPLETED WITHIN A CONTINUOUS TIME PERIOD SPECIFIED PRIOR TO STARTING THE DEMOLITION. PROVIDE TEMPORARY SECURE WALL AND DOOR WHILE WORK IS IN PROGRESS.

SYMBOLS LEGEND

- EXISTING WALLS TO REMAIN
- PORTION OF WALL TO BE REMOVED
- EXISTING DOORS TO BE REMOVED
- EXISTING IRVINE-TATE CONCORE / ALL STEEL 24"x 24" FLOOR PANEL SYSTEM TO REMAIN UNALTERED
- EXISTING IRVINE-TATE CONCORE / ALL STEEL 24"x 24" FLOOR PANEL TO BE REMOVED TO ALLOW FOR EXISTING WALL DEMOLITION AND CONSTRUCTION OF THE NEW PORTIONS OF WALL. PANELS TO REMAIN ON SITE UNTIL CONSTRUCTION IS COMPLETED. REINSTALL AFTER COMPLETION
- EXISTING 24"x 24" CEILING ACT AND GRID TO REMAIN AS IS
- EXISTING 24"x 24" CEILING ACT AND GRID TO BE MODIFIED

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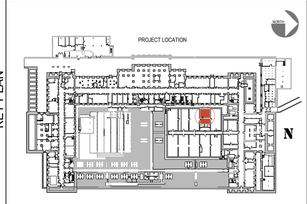
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

1/2" =1'-0"

15" 9" 3"
18" 12" 6" 0 1' 2' 3' 4'

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

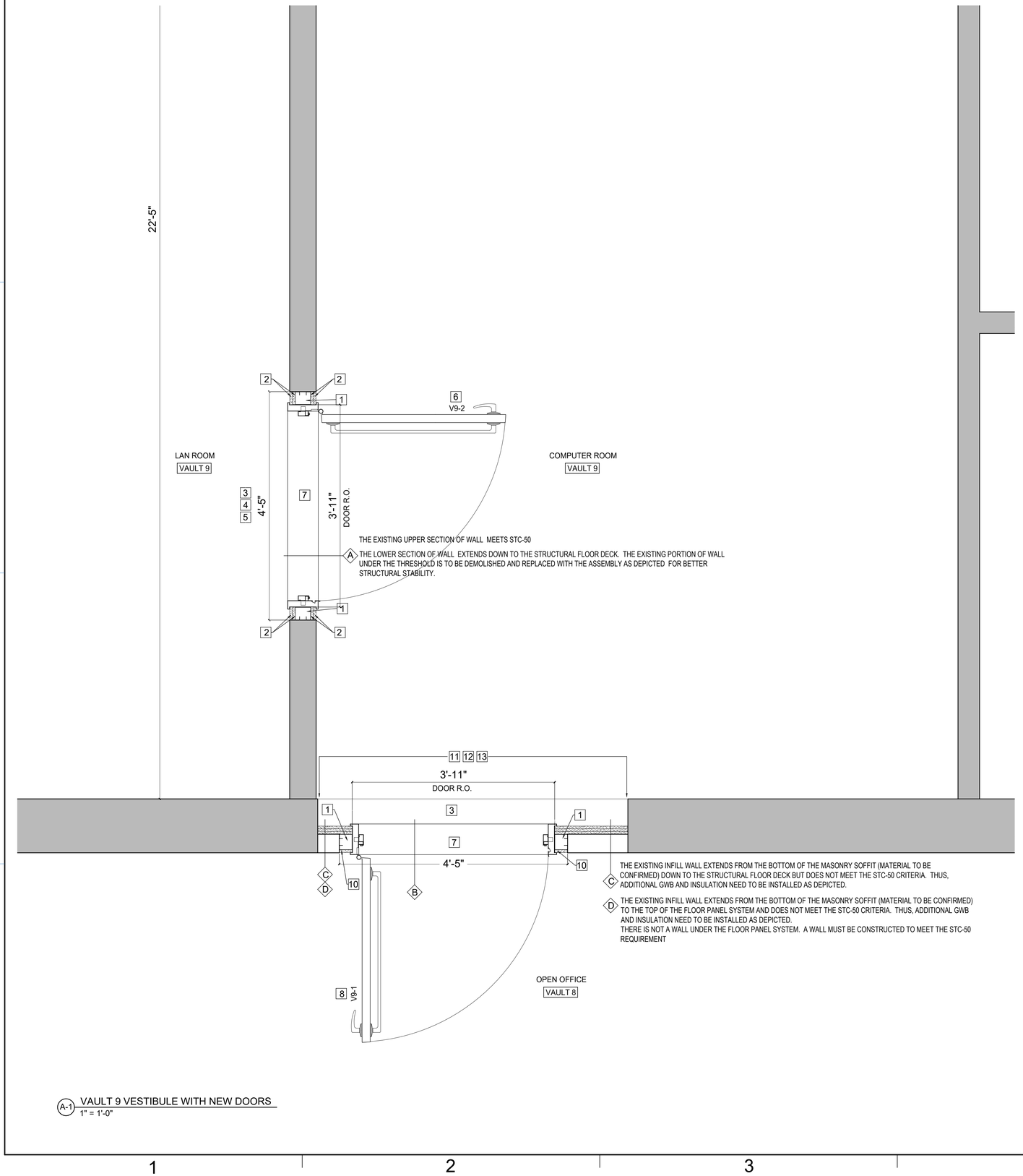
NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER	
BUILDING NOs.	
FACILITY CODE	

PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

DRAWING TITLE	EXISTING AND DEOLITION
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	AD101
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 04 OF 20



A-1 VAULT 9 VESTIBULE WITH NEW DOORS
1" = 1'-0"

GENERAL NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS BEFORE STARTING. NO FORENSIC DEMOLITION WAS CONDUCTED AT THE TIME OF THE SURVEY. DISCREPANCIES MIGHT BE ENCOUNTERED BETWEEN ACTUAL CONDITIONS AND DRAWINGS. INFORM COR PRIOR TO PROCEEDING w/ WORK
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6. THE CONTRACTOR SHALL CLEAN UP ALL ACTIVE WORK AREAS AFTER EACH DAY'S WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE REMO- VAL AND PROPER DISPOSAL OF ALL WORK RELATED TRASH AND DEBRIS
7. PROTECT ALL GOVERNMENT PROPERTY ENCOUNTERED AT THE JOB SITE AGAINST DAMAGE. ALL DAMAGES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING AND TO THE SATISFACTION AND APPROVAL OF THE COR
8. AREA OF WORK MUST BE ISOLATED FROM THE REST OF ADJACENT AREAS. PROTECT ALL SURFACES, EQUIPMENT & FURNITURE PRIOR TO START OF WORK.
9. REMOVE ALL HVAC COVERS AS NEEDED. SEAL EXPOSED DUCTS AND VENTS TO PREVENT INTRODUCING DUST INTO THE SYSTEM. (REMOVED COVERS MUST BE REINSTALLED AT END OF THE JOB)

KEY NOTES

1 INSTALL 3-5/8" x 3" CLARK DIETRICH 362HD300-97 (12 GA) JAMBS AT EITHER END OF THE ENLARGED OPENING CENTERED ON THE WALL, FROM THE TOP OF THE STRUCTURAL DECK TO THE UNDER- SIDE OF THE OPENING HEADER. FASTEN NEW FRAMING MEMBERS TO THE EXISTING FRAMING STUDS W/ (2) # 10-16 SCREWS @ 12" O.C. OR AS RECOMMENDED BY STEEL MANUFACTURER. ADDITIONAL STUDS MIGHT BE NEEDED IF THERE IS A GAP BETWEEN THE EXISTING FRAMING AND THE PROPOSED NEW JAMB.

2 INSTALL (2) LAYERS OF 5/8" GWB TYPE X AT EACH SIDE OF NEW JAMB 362HD300-97 FROM TOP OF THE FLOOR DECK TO THE BOTTOM OF THE CEILING DECK TO MATCH WALL THICKNESS

3 AFTER ENLARGING THE OPENING, FILL THE UNDERSIDE OF THE THRESHOLD WITH AN STC-50 ASSEMBLY (TYPE A) FROM THE TOP OF THE EXISTING BASE TRACK (DO NOT CUT BASE TRACK) UP TO THE UNDERSIDE OF THE FLOOR PANEL. FRAMING WILL CONSIST OF 3-5/8", 16 GA STEEL STUDS @ 16" O.C. FILL WALL 3 1/2" ROCKWOOL INSULATION AND INSTALL (2) LAYERS OF 3/4" PLYWOOD ON EACH SIDE OF THE WALL. PROVIDE A CONTINUOUS BEAD OF ACOUSTICAL CAULK AT ALL INTERSECTIONS W/ OTHER SURFACES (HORIZONTAL OR VERTICAL).

4 INSTALL A 3-5/8" x 3" CLARK DIETRICH 362HDS300-97 (12 GA) LINTEL SUPPORTED WITH A 3-1/2" x 3" CLARK DIETRICH 350HDSC300-97 (12 GA) HEADER BRACKET. HEADER BRACKET TO BE FASTENED TO HDS JAMB AS REQUIRED BY DESIGN WITH (4) #10-16 SCREWS TO HEAD AND (4) #10-16 SCREWS TO JAMB

5 UPPER SECTION OF WALL TO BE FRAMED FROM THE EXISTING HEAD TRACK DOWN TO THE NEW LINTEL WITH 3-5/8" 16GA STEEL STUDS @ 16" O.C. DO NOT CUT HEAD TRACK. FILL WALL 3 1/2" ROCKWOOL INSULATION AND (2) LAYERS OF 5/8" GWB TYPE X ON EACH SIDE OF WALL. PROVIDE A CONTINUOUS BEAD OF ACOUSTICAL CAULK AT ALL INTERSECTIONS W/ OTHER SURFACES (HORIZONTAL OR VERTICAL). WALL MUST BE UNIFORMLY FINISHED ON BOTH SIDES FULL HEIGHT. FINAL ASSEMBLY MUST COMPLY WITH STC-50 REQUIREMENTS

6 NEW STC-50 SOUND GROUP 4, 60 MIN FIRE RATED DOOR ASSEMBLY AS PER DOOR SCHEDULE. ASSEMBLY MUST INCLUDE A 1 3/4" ACOUSTIC STEEL DOOR LEAF TYPE A & STEEL FRAME (14 GA MIN) TYPE F-1. THE FRAME MUST HAVE ALL VOIDS IN THE HEAD AND JAMBS PACKED W/ 6 TO 12 LB DENSITY MINERAL WOOL. STC-50 DOOR LEAF AND FRAME MUST BE PURCHASED AS A SET.

JAMB ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. WELD ANCHORS INSIDE EACH JAMB FOR WALL ANCHORAGE. DOOR HARDWARE AS PER HARDWARE SCHEDULES MEETING FEDERAL SPECIFICATION FF-L-2740 / UL 2050 INCLUDING, BUT NOT LIMITED TO, COMMERCIAL GRADE 1 HARDWARE FITTED WITH HIGH SECURITY KEY CYLINDERS IN COMPLIANCE WITH UL 437, AUTOMATIC NON-HOLD OPEN DOOR CLOSER, THRESHOLD, PERIMETER SEALS, AND AUTOMATIC DOOR BOTTOM / SWEEPS. PROVIDE LOCKSETS THAT ARE AMERICAN NATIONAL STANDARDS INSTITUTE /BUILDERS HARDWARE MANUFACTURERS ASSOCIATION ANSI/BHMA A156.13, SERIES 1000, GRADE 1, MORTISE. PROVIDE LOCK CORES COMPATIBLE WITH THE EXISTING BUILDING-WIDE KEYING SYSTEM. PROVIDE NEW CDX10 LOCK AND REINSTALL CARD READER (IF IT WAS MOVED). HARDWARE TO BE INSTALLED BY DOOR MANUFACTURER

7 NEW ADA/ABA THRESHOLD INSTALLED ON TOP OF RAISED FLOOR PANEL AS PART OF THE DOOR ASSEMBLY. DOOR BOTTOM REQUIRES FLUSH LEVEL SEALING SURFACE. ALUMINUM, OR STAINLESS STEEL THRESHOLD IS RECOMMENDED. FLOOR ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL; MINIMUM 14 GA. WELD ANCHORS INSIDE EACH JAMB FOR FLOOR ANCHORAGE

8 NEW STC-50 SOUND GROUP 4, DOOR ASSEMBLY AS PER DOOR SCHEDULE. ASSEMBLY MUST INCLUDE A 1 3/4" ACOUSTIC STEEL DOOR LEAF TYPE B & STEEL FRAME (14 GA MIN) TYPE F-2. THE FRAME MUST HAVE ALL VOIDS IN THE HEAD AND JAMBS PACKED W/ 6 TO 12 LB DENSITY MINERAL WOOL. STC-50 DOOR LEAF AND FRAME MUST BE PURCHASED AS A SET.

JAMB ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. WELD ANCHORS INSIDE EACH JAMB FOR WALL ANCHORAGE. DOOR HARDWARE AS PER HARDWARE SCHEDULES MEETING FEDERAL SPECIFICATION FF-L-2740 / UL 2050 INCLUDING, BUT NOT LIMITED TO, COMMERCIAL GRADE 1 HARDWARE FITTED WITH HIGH SECURITY KEY CYLINDERS IN COMPLIANCE WITH UL 437, AUTOMATIC NON-HOLD OPEN DOOR CLOSER, THRESHOLD, PERIMETER SEALS, AND AUTOMATIC DOOR BOTTOM / SWEEPS. PROVIDE LOCKSETS THAT ARE AMERICAN NATIONAL STANDARDS INSTITUTE /BUILDERS HARDWARE MANUFACTURERS ASSOCIATION ANSI/BHMA A156.13, SERIES 1000, GRADE 1, MORTISE. PROVIDE LOCK CORES COMPATIBLE WITH THE EXISTING BUILDING-WIDE KEYING SYSTEM. HARDWARE TO BE INSTALLED BY DOOR MANUFACTURER

9 REMOVE EXISTING IRVINE-TATE CONCORE / ALL STEEL 24" X 24" FLOOR PANEL SYSTEM AS DEPICTED TO ALLOW FOR THE CONSTRUCTION OF THE WALL. KEEP PANELS ON SITE AND REINSTALL AFTER THE WALL IS COMPLETED. CUT PANELS WITHIN 1/16" OFF THE WALL ON EACH SIDE

10 INSTALL (1) LAYER OF 5/8" GWB TYPE X AT THE OFFICE SIDE OF NEW JAMB 362HD300-97 FROM TOP OF THE FLOOR DECK TO THE BOTTOM OF THE MASONRY SOFFIT.

11 ADD (3) LAYERS OF 5/8" GWB TYPE X TO THE ENTIRE WALL (STORAGE SIDE) FROM TOP OF THE FLOOR DECK TO THE BOTTOM OF THE MASONRY SOFFIT, FOR THE WALL ASSEMBLY TO MEET STC-50 REQUIREMENTS.

12 3 1/2" ROCKWOOL ACOUSTICAL FIRE BATT INSULATION OR EQUAL FULL HEIGHT OF WALL CAVITY. MATERIAL MUST BE FASTENED IN SUCH WAY AS TO PREVENT IT FROM SLIDING DOWN, LEAVING A VOID AT THE TOP.

13 IT HAS NOT BEEN ASCERTAINED IF THE EXISTING WALL EXTENDS DOWN TO THE STRUCTURAL DECK UNDER THE RAISED FLOOR PANEL SYSTEM OR NOT. SINCE THE ENTIRE WALL NEEDS TO COMPLY WITH STC-50 REQUIREMENTS, IT MUST EXTEND DOWN TO THE DECK. WALL TYPES C AND D PRESENT THE TWO CONDITIONS

SYMBOLS LEGEND

EXISTING WALLS TO REMAIN

XXX-A NEW 1 3/4" ACOUSTIC STEEL DOOR & FRAME STC-50 SOUND GROUP 4

EXISTING DOORS TO REMAIN

MERIDIEN GROUP

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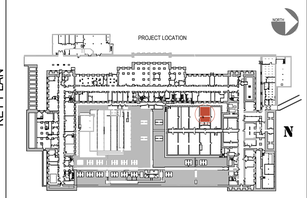
CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

1" =1'-0" 9" 6" 3" 0 6" 1' 2'

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER BUILDING NOs.	
FACILITY CODE	

PROJECT

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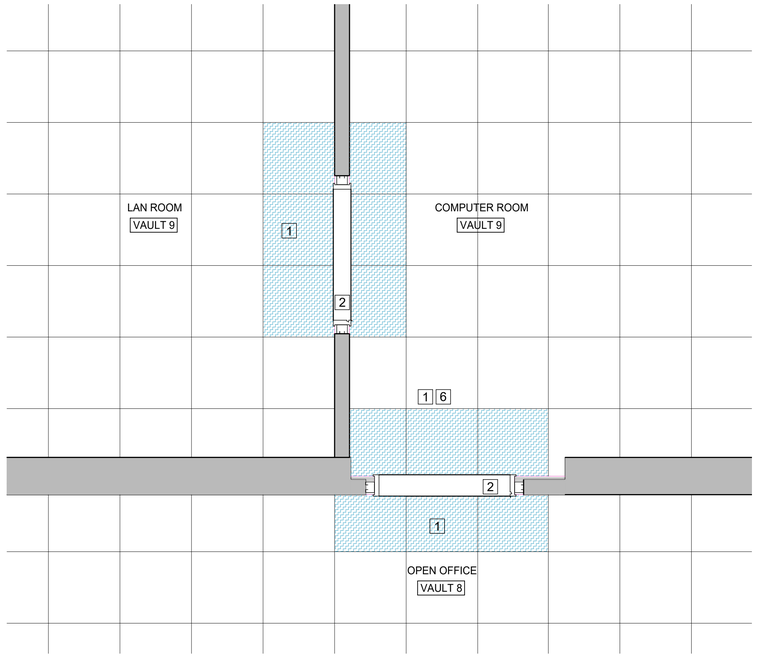
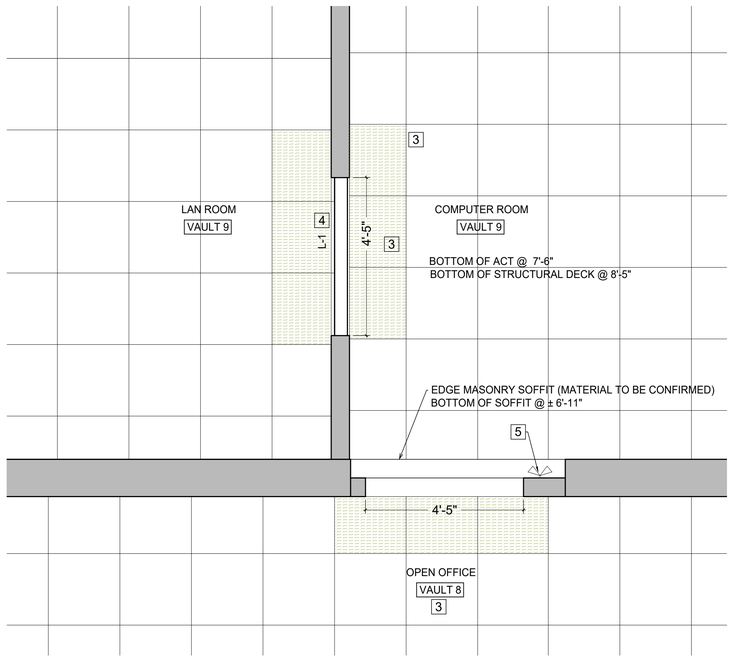
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

DRAWING TITLE	NEW WORK
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-101
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 05 OF 20



C-1 VAULT 9 VESTIBULE FLOOR PANEL SYSTEM
1/2" = 1'-0"



A-1 VAULT 9 VESTIBULE RCP
1/2" = 1'-0"

GENERAL NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS BEFORE STARTING. NO FORENSIC DEMOLITION WAS CONDUCTED AT THE TIME OF THE SURVEY. DISCREPANCIES MIGHT BE ENCOUNTERED BETWEEN ACTUAL CONDITIONS AND DRAWINGS. INFORM COR PRIOR TO PROCEEDING w/ WORK
2. IN CASE OF CONFLICTS BETWEEN PLANS, KEY NOTES, SECTIONS, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT APPLIES
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5. BEST PRACTICES, METHODS AND MATERIALS, MUST BE FOLLOWED AT ALL TIMES. ANY ITEM NOT SPECIFICALLY LISTED OR SHOWN ON THE CONTRACT DOCUMENTS BUT NECESSARY FOR THE COMPLETION OF THE PROJECT, SHALL BE CONSIDERED PART OF THE CONTRACT'S SCOPE OF WORK
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7. PROTECT ALL GOVERNMENT PROPERTY ENCOUNTERED AT THE JOB SITE AGAINST DAMAGE. ALL DAMAGES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLA- CED TO MATCH EXISTING AND TO THE SATISFACTION AND APPROVAL OF THE COR
8. AREA OF WORK MUST BE ISOLATED FROM THE REST OF ADJACENT AREAS. PROTECT ALL SURFACES, EQUIPMENT& FURNITURE PRIOR TO START OF WORK.
9. REMOVE ALL HVAC COVERS AS NEEDED. SEAL EXPOSED DUCTS AND VENTS TO PREVENT INTRODUCING DUST INTO THE SYSTEM. (REMOVED COVERS MUST BE REINSTALLED AT END OF THE JOB)

KEY NOTES

1 AFTER ENLARGING THE OPENING THE LOWER PORTION OF WALL (TYPE A)MUST BE CONSTRUCTED UNDER THE NEW THRESHOLD. REMOVE EXISTING IRVINE-TATE CONCORE / ALL STEEL 24" x 24" FLOOR PANEL SYSTEM AS DEPICTED TO ALLOW FOR THE CONSTRUCTION OF THE WALL.

REMOVED PANELS ARE TO REMAIN ON SITE TO BE REINSTALLED AT THE COMPLETION OF THE WORK. DO NOT DISCARD FINISH FLOORING MATERIAL UNLESS DIRECTED BY COR. IF FLOORING IS TO BE REPLACED, REPLACE IN KIND.

2 NEW ADA/ABA THRESHOLD INSTALLED ON TOP OF RAISED FLOOR PANEL AS PART OF THE DOOR ASSEMBLY. DOOR BOTTOM REQUIRES FLUSH LEVEL SEALING SURFACE. ALUMINUM, OR STAINLESS STEEL THRESHOLD IS RECOMMENDED. FLOOR ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL; MINIMUM 14 GA. WELD ANCHORS INSIDE EACH JAMB FOR FLOOR ANCHORAGE.

3 REMOVE ACT AND GRID AS NEEDED TO ENLARGE OPENING, INSTALL NEW LINTEL, AND CONSTRUCT PORTION OF WALL ABOVE THE SAID LINTEL. EXAMINE THE TILES AND KEEP ALL ACT IN GOOD CONDITION ON SITE UNTIL THE JOB IS COMPLETED, AT WHICH TIME THE TILES WILL BE REINSTALLED. DAMAGED AND SOILED TILES ARE TO BE DISCARDED AND REPLACED IN KIND.

4 INSTALL A 3-5/8" x 3" CLARK DIETRICH 362HDS300-97 (12 GA) LINTEL SUPPORTED WITH A 3-1/2" X 3" CLARK DIETRICH 350HDSC300-97 (12 GA) HEADER BRACKET

5 NEW LOCATION TO RELOCATE THE EMERGENCY LIGHT PACK. TEST THE LIGHTS AND IF NOT FULLY FUNCTIONAL REPLACE PACK.

6 ADDITIONALLY, IT HAS NOT BEEN ASCERTAINED IF THE EXISTING WALL EXTENDS DOWN TO THE STRUCTURAL DECK UNDER THE RAISED FLOOR PANEL SYSTEM OR NOT. SINCE THE ENTIRE WALL NEEDS TO COMPLY WITH STC-50 REQUIREMENTS, IT MUST EXTEND DOWN TO THE DECK. DEPEN- DING ON WHAT IS DISCOVERED DURING THE DEMOLITION PHASE, MORE FLOOR PANELS MIGT HAVE TO BE REMOVED TO ALLOW FOR THE LOWER WALL CONSTRUCTION, AND THEN ALTERED PRIOR TO REINSTALLATION.

SYMBOLS LEGEND

- EXISTING WALLS TO REMAIN
- EXISTING IRVINE-TATE CONCORE / ALL STEEL 24"x 24" FLOOR PANEL SYSTEM TO REMAIN
- EXISTING IRVINE-TATE CONCORE / ALL STEEL 24"x 24" FLOOR PANEL TO BE REMOVED TO ALLOW FOR THE CONSTRUCTION OF THE EXTENDED WALL UNDER THE THRESHOLD AND TO BOTH SIDES OF THE NEW OPENING. PANELS WILL HAVE TO BE ADJUSTED
- EXISTING 24"x 24" CEILING ACT AND GRID TO REMAIN AS IS
- EXISTING 24"x 24" CEILING ACT AND GRID TO BE REMOVED AND ADJUSTED TO INSTALL NEW LINTEL OR DOOR FRAME
- NEW HEADER (L-1)

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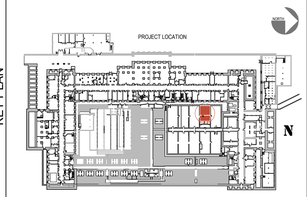
CERTIFICATIONS

KEY PLAN



REVISION NOTES

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3/4" =1'-0" 1' 6" 0 6" 1' 2'

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CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING	
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CITY/ST./ZIP	WASHINGTON, DC
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PROJECT DESCRIPTION	NEW DOORS VAULT 9
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GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING	
DRAWING TITLE	NEW WORK
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-102
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 06 OF 20

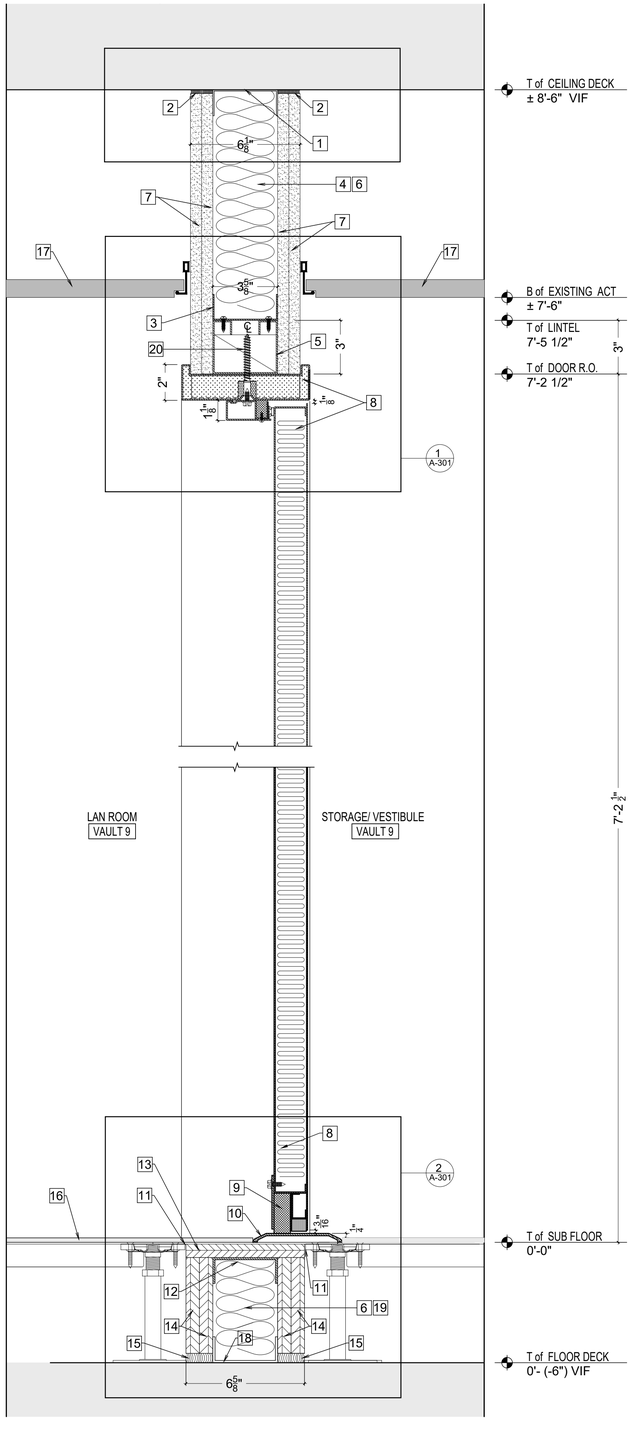
WALL TYPE

A | STC-50 WALL - 1HR FIRE RATED

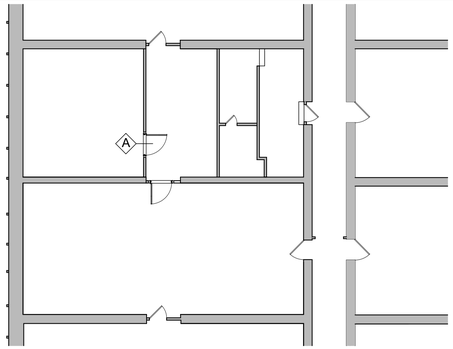
ASSUMPTIONS & APPROACH:

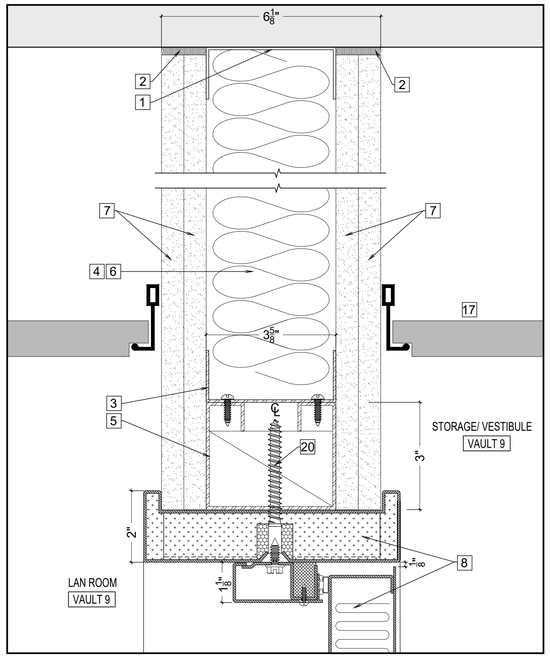
THE EXISTING UPPER SECTION OF WALL MEETS STC-50

THE LOWER SECTION OF WALL EXTENDS DOWN TO THE STRUCTURAL FLOOR DECK. THE EXISTING PORTION OF WALL UNDER THE THRESHOLD IS TO BE DEMOLISHED AND REPLACED WITH THE ASSEMBLY AS DEPICTED FOR BETTER STRUCTURAL STABILITY.

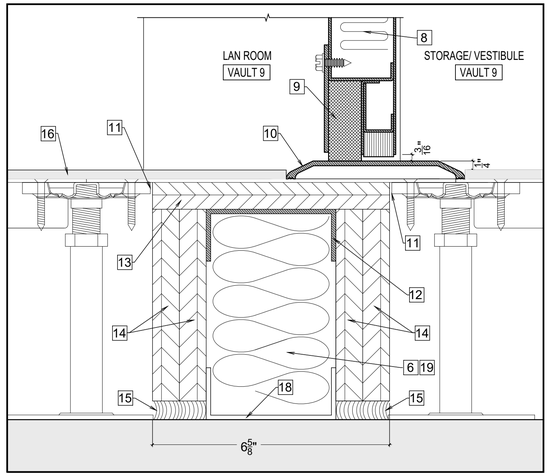


A-1 WALL TYPE A
3" = 1'-0"





B-3 DETAIL 1
6" = 1'-0"



A-3 DETAIL 2
6" = 1'-0"

GENERAL WALL CONSTRUCTION NOTES

1. WALL FRAMING TO CONSIST OF ONE OF THE FOLLOWING:

   A. CLARK-DIETRICH : PRO STUD DRYWALL FRAMING SYSTEM
   B. MARINO WARE: SOUND GUARD ACOUSTICALLY DECOUPLED STEEL STUDS

   LINTEL TO CONSIST OF ONE OF THE FOLLOWING: (SEE DETAILS IN A-501 - A-1, A-3, A-5)

   A. CLARK-DIETRICH : HDS FRAMING SYSTEM WITH HDSC HEADER BRACKET
   B. CLARK-DIETRICH : RED HEADER PRO WITH HDSC HEADER BRACKET

   JAMBS TO CONSIST OF:

   A. CLARK-DIETRICH : HDS FRAMING SYSTEM

2. CONTINUOUS CAULK AT ALL INTERSECTIONS BETWEEN THE PARTITION / WALL W/ OTHER SURFACES ON BOTH SIDES AIR TIGHT (HORIZONTAL-DECK OR VERTICAL- OTHER WALLS) WITH NON HARDENING CAULK SUCH AS:

   A. NON-HARDENING POLYURETHANE TYPE, ASTM C920, TYPE M, CLASS 25, GRADE NS: TREMCO "DYMERIC 511" OR APPROVED EQUAL.

   B. NON-HARDENING POLYSULPHIDE TYPE, ASTM C920, ONE- PART: PECORA "GC-9" OR EQUAL

   C. NON-HARDENING SILICONE TYPE, ASTM C920, TYPE S, CLASS 25, GRADE NS, ONE-PART, LOW MODULE USGE "SILPRUF", DOW CORNING 790, TREMCO "SPECTRUM" 1 INCH, PECORA 864, OR APPROVED EQUAL.

3. WALL (NEW & EXISTING PORTIONS) MUST BE UNIFORMLY FINISHED ON BOTH SIDES, FROM FLOOR SLAB (TRUE FLOOR) TO UNDER- SIDE OF FLOOR PLATE (TRUE CEILING).

4. ALL GWB INSTALLATION MUST BE AS FOLLOWS:

   A. PANEL INSTALLATION TO BE FULL WALL HEIGHT FROM FLOOR SLAB (TRUE FLOOR) TO UNDER- SIDE OF THE CEILING PLATE (TRUE CEILING) OR FILLING ENTIRE PORTION OF WALL ABOVE AND BELOW WHEN A DOOR OPENING;
   B. CROSS LAY ALL MULTIPLE LAYERS OF GWB. DO NOT LAY ONE SEAM DIRECTLY OVER THE ONE BENEATH;
   C. FILL ALL SEAMS BETWEEN THE GWB SHEETS W/ ACOUSTIC SEALANT PRIOR TO TAPING AND SPACKLING SEAMS;
   D. APPLY P-1 FINISH AS PER FINISHES SCHEDULE.

5. FURNISH AND INSTALL BLOCKING AS REQUIRED AT ALL LOCATIONS FOR THE PROPER AND SECURE INSTALLATION OF ALL WALL MOUNTED EQUIPMENT OR MILLWORK WHETHER SPECIFICALLY NOTED IN THE DRAWINGS OR NOT.

KEY NOTES

1 AFTER REMOVING THE SECTION OF WALL NEEDED TO ENLARGE THE OPENING, THE EXISTING TOP TRACK IS TO REMAIN AS IS. DO NOT CUT

2 ACOUSTICAL SEALANT. FIRE SAFE OR NON-SHRINK GROUT IN ALL VOIDS ABOVE TRACK . SEE GENERAL WALL CONSTRUCTION NOTE "2".

3 3 5/8" 12 GA METAL CONTINUOUS RUNNER ANCHORED TO HEADER WITH (2) #10-16 SCREWS AT 16" o.c. SEE GENERAL WALL CONSTRUCTION NOTE "1".

4 3 5/8" 16 GA CRIPPLE STUDS @ 16" o.c. FROM EXISTING TOP TRACK DOWN TO NEW TRACK ABOVE HEADER. FASTEN STUDS TO UPPER AND LOWER TRACKS WITH (1) #10-16 SCREW AT EACH FLANGE (TYP). SEE GENERAL WALL CONSTRUCTION NOTE "1".

5 INSTALL A 3-5/8" x 3" CLARK DIETRICH 362HDS300-97 (12 GA) LINTEL SUPPORTED WITH A 3-1/2" x 3" CLARK DIETRICH 350HDSC300-97 (12 GA) HEADER BRACKET. BRACKET TO BE FASTENED TO HDS JAMBS AS REQUIRED BY DESIGN. SEE GENERAL WALL CONSTRUCTION NOTE "1"; IF A DIFFERENT HEADER IS SELECTED, ADJUST HEIGHT. INSERT WOOD BLOCKING IF NEEDED HEADERS MUST BE 1/2" LESS THAN ROUGH OPENING WIDTH TO FIT INSIDE HDSC HEADER BRACKETS. ALL HEADER MEMBERS MUST SPAN ENTIRE LENGTH OF OPENING WITHOUT SPLICES.

6 3 1/2" ROCKWOOL ACOUSTICAL FIRE INSULATION OR EQUAL FULL HEIGHT OF WALL CAVITY. MATERIAL MUST BE FASTENED IN SUCH WAY AS TO PREVENT IT FROM SLIDING DOWN, LEAVING A VOID AT THE TOP.

7 (2) LAYERS OF 5/8" GYPSUM WALL BOARD GOLD BOND FIRE-SHIELD OR EQUAL EACH SIDE OF THE WALL INSTALLED AS PER GENERAL CONSTRUCTION NOTE "4"

8 NEW STC-50 SOUND GROUP 4, 60 MIN FIRE RATED DOOR ASSEMBLY AS PER DOOR SCHEDULE. ASSEMBLY MUST INCLUDE A 1 3/4" ACOUSTIC STEEL DOOR LEAF TYPE A & STEEL FRAME (14 GA MIN) TYPE F-1. THE FRAME MUST HAVE ALL VOIDS IN THE HEAD AND JAMBS PACKED W/ 6 TO 12 LB DENSITY MINERAL WOOL. STC-50 DOOR LEAF & FRAME MUST BE PURCHASED AS A SET.

JAMB ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. WELD ANCHORS INSIDE EACH JAMB FOR WALL ANCHORAGE. DOOR HARDWARE AS PER HARDWARE SCHEDULES MEETING FEDERAL SPECIFICATION FF-L-2740 / UL 2050 INCLUDING, BUT NOT LIMITED TO, COMMERCIAL GRADE 1 HARDWARE FITTED WITH HIGH SECURITY KEY CYLINDERS IN COMPLIANCE WITH UL 437, AUTOMATIC NON-HOLD OPEN DOOR CLOSER, THRESHOLD, PERIMETER SEALS, AND AUTOMATIC DOOR BOTTOM / SWEEPS. PROVIDE LOCKSETS THAT ARE AMERICAN NATIONAL STANDARDS INSTITUTE /BUILDERS HARDWARE MANUFACTURERS ASSOCIATION ANSI/BHMA A156.13, SERIES 1000, GRADE 1, MORTISE. PROVIDE LOCK CORES COMPATIBLE WITH THE EXISTING BUILDING-WIDE KEYING SYSTEM. PROVIDE NEW CDX10 LOCK AND REINSTALL CARD READER (IF IT WAS MOVED). HARDWARE TO BE INSTALLED BY DOOR MANUFACTURER

9 SUPER H DOOR BOTTOM

10 1/4" ADA/ABA THRESHOLD INSTALLED ON TOP OF RAISED FLOOR PANEL AS PART OF THE DOOR ASSEMBLY. DOOR BOTTOM REQUIRES FLUSH LEVEL SEALING SURFACE. ALUMINUM, OR STAINLESS STEEL THRESHOLD RECOMMENDED. DO NOT SEAL AGAINST CARPET. FLOOR ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. MINIMUM 14 GA. WELD ANCHORS INSIDE EACH JAMB FOR FLOOR ANCHORAGE.

11 REMOVE FLOOR PANELS AS NEEDED TO ENLARGE OPENING AND CONSTRUCT PORTION OF WALL UNDER THRESHOLD. CUT PANEL WITHIN $\frac{1}{8}$" OFF THE WALL EACH SIDE.PANELS ARE TO REMAIN ON SITE. EXISTING TATE FLOOR PANEL TO BE REINSTALLED AND ADJUSTED AFTER THE CONSTRUCTION OF THE NEW LOWER WALL PORTION AND THE INSTALLATION OF THE NEW DOOR ARE COMPLETED.

12 3 5/8" 12 GA METAL CONTINUOUS RUNNER ANCHORED TO PLYWOOD AND FLOOR PANEL WITH (2) SCREWS AT 16" O.C. SEE GENERAL WALL CONSTRUCTION NOTE "1".

13 (1) LAYER OF 3/4" PLYWOOD

14 (2) LAYERS OF 3/4" PLYWOOD

15 FILL ALL BASE VOIDS WITH BACKER ROD AND ACOUSTIC SEALANT. SEE GENERAL CONSTRUCTION NOTE "2".

16 DO NOT DISCARD FINISH FLOORING MATERIAL UNLESS DIRECTED BY COR. IF FLOORING IS TO BE REPLACED, REPLACE IN KIND.

17 REMOVE ACT AND GRID AS NEEDED TO ENLARGE OPENING, INSTALL NEW LINTEL, AND CONSTRUCT PORTION OF WALL ABOVE THE SAID LINTEL. EXAMINE THE TILES AND KEEP ALL ACT IN GOOD CONDITION ON SITE UNTIL THE JOB IS COMPLETED, AT WHICH TIME THE TILES WILL BE REINSTALLED. DAMAGED AND SOILED TILES ARE TO BE DISCARDED AND REPLACED IN KIND.

18 AFTER REMOVING THE SECTION OF WALL NEEDED TO ENLARGE THE OPENING, THE EXISTING BOTTOM TRACK IS TO REMAIN AS IS. DO NOT CUT.

19 3 5/8" 16 GA STUDS @ 16" O.C. FROM EXISTING BASE TRACK UP TO NEW TRACK UNDER FLOOR PANEL SYSTEM AND PLYWOOD. FASTEN STUDS TO UPPER AND LOWER TRACKS WITH (1) SCREW AT EACH FLANGE (TYP). SEE GENERAL WALL CONSTRUCTION NOTE "1".

20 ANCHOR FRAME HEAD WITH 3/8" Ø FASTENERS @ 12" O.C.

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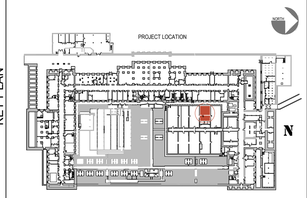
CITADEL DCA
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

6" =1'-0" 0 1" 2" 3" 4" 5" 6"
3" =1'-0" 0 1" 2" 3" 4" 5" 6" 1'

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER BUILDING NOs.	
FACILITY CODE	

PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

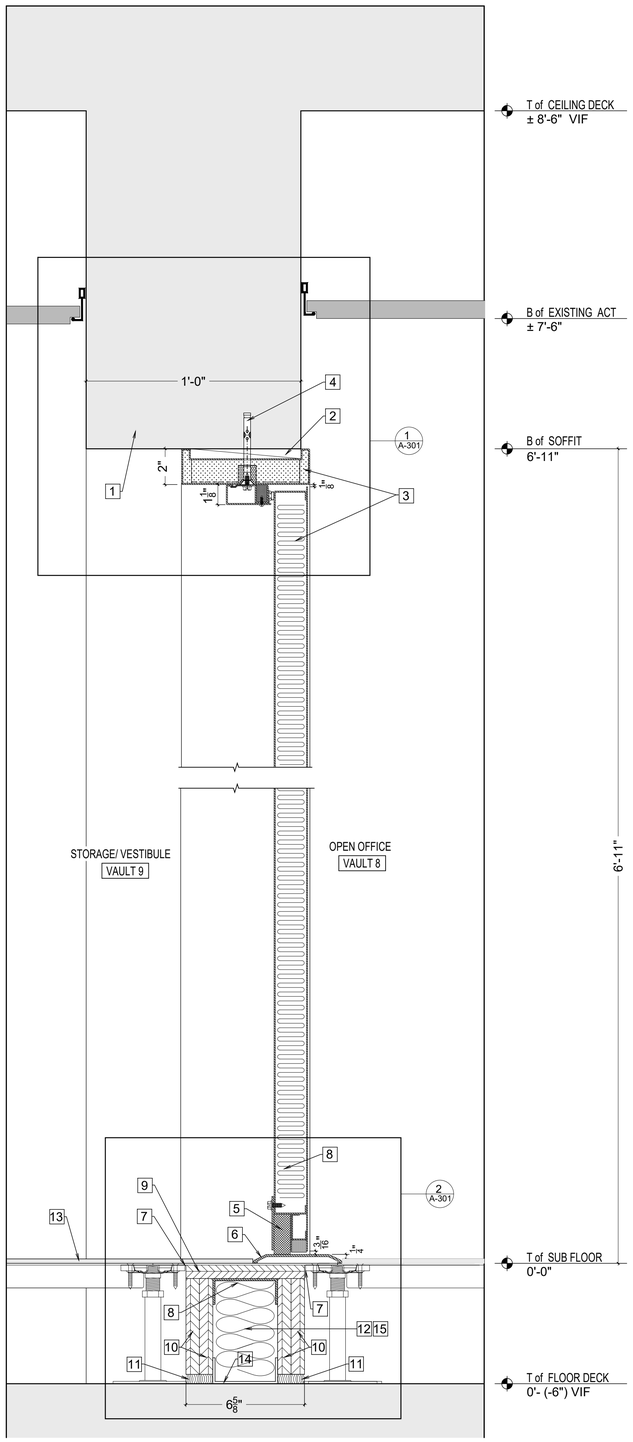
DRAWING TITLE	WALL TYPE A AND HEADER DETAILS
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-301
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 07 OF 20

WALL TYPE

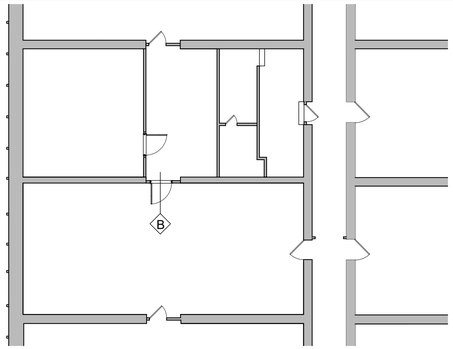
B | STC-50 WALL

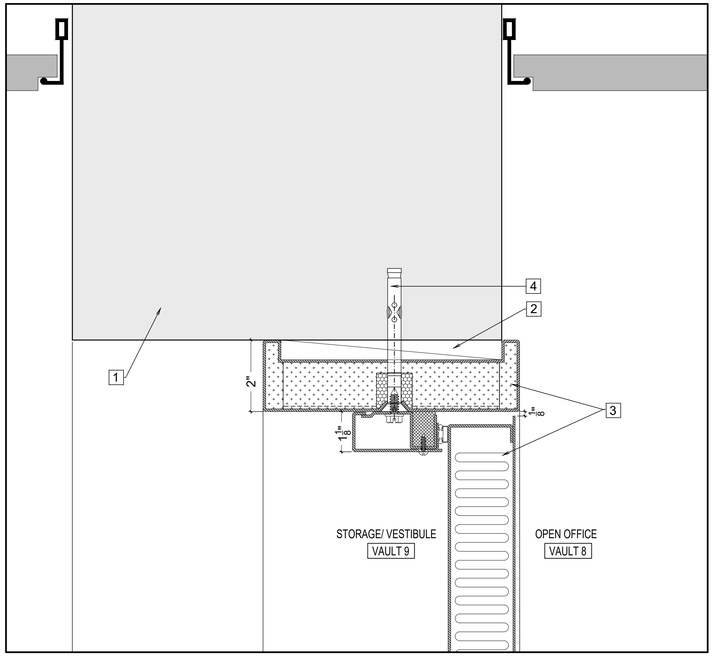
ASSUMPTIONS & APPROACH:

THE LOWER SECTION OF WALL EXTENDS DOWN TO THE STRUCTURAL FLOOR BUT DOES NO MEET THE STC-50 CRITERIA. THE EXISTING PORTION OF WALL UNDER THE THRESHOLD IS TO BE DEMOLISHED AND REPLACED WITH THE ASSEMBLY AS DEPICTED TO MEET STC-50

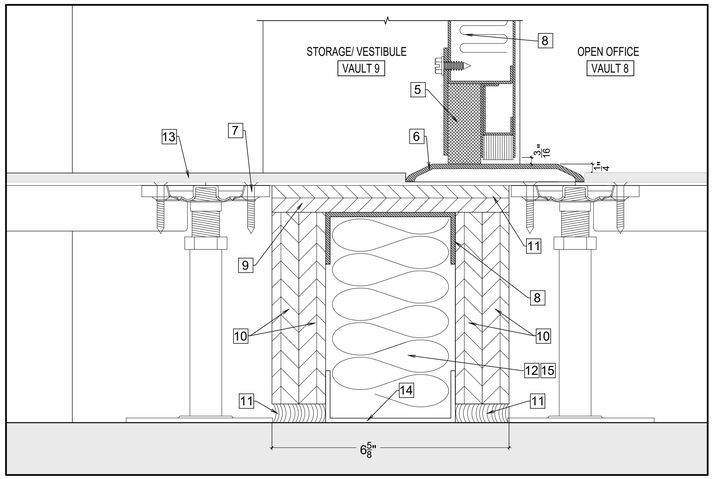


A-1 WALL TYPE B
3" = 1'-0"





B-3 DETAIL 1
6" = 1'-0"



A-3 DETAIL 2
6" = 1'-0"

GENERAL WALL CONSTRUCTION NOTES

1. WALL FRAMING TO CONSIST OF ONE OF THE FOLLOWING:

   A. CLARK-DIETRICH : PRO STUD DRYWALL FRAMING SYSTEM
   B. MARINO WARE: SOUND GUARD ACOUSTICALLY DECOUPLED STEEL STUDS

   LINTEL TO CONSIST OF ONE OF THE FOLLOWING: (SEE DETAILS IN A-501 - A-1, A-3, A-5)

   A. CLARK-DIETRICH : HDS FRAMING SYSTEM WITH HDSC HEADER BRACKET
   B. CLARK-DIETRICH : RED HEADER PRO WITH HDSC HEADER BRACKET

   JAMBS TO CONSIST OF:

   A. CLARK-DIETRICH : HDS FRAMING SYSTEM

2. CONTINUOUS CAULK AT ALL INTERSECTIONS BETWEEN THE PARTITION / WALL W/ OTHER SURFACES ON BOTH SIDES AIR TIGHT (HORIZONTAL-DECK OR VERTICAL- OTHER WALLS) WITH NON HARDENING CAULK SUCH AS:

   A. NON-HARDENING POLYURETHANE TYPE, ASTM C920, TYPE M, CLASS 25, GRADE NS: TREMCO "DYMERIC 511" OR APPROVED EQUAL.

   B. NON-HARDENING POLYSULPHIDE TYPE, ASTM C920, ONE- PART: PECORA "GC-9" OR EQUAL

   C. NON-HARDENING SILICONE TYPE, ASTM C920, TYPE S, CLASS 25, GRADE NS, ONE-PART, LOW MODULE USGE "SILPRUF", DOW CORNING 790, TREMCO "SPECTRUM" 1 INCH, PECORA 864, OR APPROVED EQUAL.

3. WALL (NEW & EXISTING PORTIONS) MUST BE UNIFORMLY FINISHED ON BOTH SIDES, FROM FLOOR SLAB (TRUE FLOOR) TO UNDER- SIDE OF FLOOR PLATE (TRUE CEILING).

4. ALL GWB INSTALLATION MUST BE AS FOLLOWS:

   A. PANEL INSTALLATION TO BE FULL WALL HEIGHT FROM FLOOR SLAB (TRUE FLOOR) TO UNDER- SIDE OF THE CEILING PLATE (TRUE CEILING) OR FILLING ENTIRE PORTION OF WALL ABOVE AND BELOW WHEN A DOOR OPENING;
   B. CROSS LAY ALL MULTIPLE LAYERS OF GWB. DO NOT LAY ONE SEAM DIRECTLY OVER THE ONE BENEATH;
   C. FILL ALL SEAMS BETWEEN THE GWB SHEETS W/ ACOUSTIC SEALANT PRIOR TO TAPING AND SPACKLING SEAMS;
   D. APPLY P-1 FINISH AS PER FINISHES SCHEDULE.

5. FURNISH AND INSTALL BLOCKING AS REQUIRED AT ALL LOCATIONS FOR THE PROPER AND SECURE INSTALLATION OF ALL WALL MOUNTED EQUIPMENT OR MILLWORK WHETHER SPECIFICALLY NOTED IN THE DRAWINGS OR NOT.

KEY NOTES

1. EXISTING WALL TO REMAIN
2. PT WOOD BLOCKING AS NEEDED
3. NEW STC-50 SOUND GROUP 4, 60 MIN FIRE RATED DOOR ASSEMBLY AS PER DOOR SCHEDULE. ASSEMBLY MUST INCLUDE A 1 3/4" ACOUSTIC STEEL DOOR LEAF TYPE B & STEEL FRAME (14 GA MIN) TYPE F-2. THE FRAME MUST HAVE ALL VOIDS IN THE HEAD AND JAMBS PACKED W/ 6 TO 12 LB DENSITY MINERAL WOOL. STC-50 DOOR LEAF & FRAME MUST BE PURCHASED AS A SET.

   JAMB ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. WELD ANCHORS INSIDE EACH JAMB FOR WALL ANCHORAGE. DOOR HARDWARE AS PER HARDWARE SCHEDULES MEETING FEDERAL SPECIFICATION FF-L-2740 / UL 2050 INCLUDING, BUT NOT LIMITED TO, COMMERCIAL GRADE 1 HARDWARE FITTED WITH HIGH SECURITY KEY CYLINDERS IN COMPLIANCE WITH UL 437, AUTOMATIC NON-HOLD OPEN DOOR CLOSER, THRESHOLD, PERIMETER SEALS, AND AUTOMATIC DOOR BOTTOM / SWEEPS. PROVIDE LOCKSETS THAT ARE AMERICAN NATIONAL STANDARDS INSTITUTE /BUILDERS HARDWARE MANUFACTURERS ASSOCIATION ANSI/BHMA A156.13, SERIES 1000, GRADE 1, MORTISE. PROVIDE LOCK CORES COMPATIBLE WITH THE EXISTING BUILDING-WIDE KEYING SYSTEM. HARDWARE TO BE INSTALLED BY DOOR MANUFACTURER
4. ANCHOR FRAME HEAD WITH 3/8" Ø FASTENERS @ 12" O.C.
5. SUPER H DOOR BOTTOM
6. 1/4" ADA/ABA THRESHOLD INSTALLED ON TOP OF RAISED FLOOR PANEL AS PART OF THE DOOR ASSEMBLY. DOOR BOTTOM REQUIRES FLUSH LEVEL SEALING SURFACE. ALUMINUM, OR STAINLESS STEEL THRESHOLD RECOMMENDED. DO NOT SEAL AGAINST CARPET. FLOOR ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. MINIMUM 14 GA. WELD ANCHORS INSIDE EACH JAMB FOR FLOOR ANCHORAGE.
7. REMOVE FLOOR PANELS AS NEEDED TO ENLARGE OPENING AND CONSTRUCT PORTION OF WALL UNDER THRESHOLD. CUT PANEL WITHIN 6" OFF THE WALL EACH SIDE.PANELS ARE TO REMAIN ON SITE. EXISTING TATE FLOOR PANEL TO BE REINSTALLED AND ADJUSTED AFTER THE CONSTRUCTION OF THE NEW LOWER WALL PORTION AND THE INSTALLATION OF THE NEW DOOR ARE COMPLETED.
8. 3 5/8" 12 GA METAL CONTINUOUS RUNNER ANCHORED TO PLYWOOD AND FLOOR PANEL WITH (2) SCREWS AT 16" O.C. SEE GENERAL WALL CONSTRUCTION NOTE "1".
9. (1) LAYER OF 3/4" PLYWOOD
10. (2) LAYERS OF 3/4" PLYWOOD
11. FILL ALL BASE VOIDS WITH BACKER ROD AND ACOUSTIC SEALANT. SEE GENERAL CONSTRUCTION NOTE "2".
12. 3 1/2" ROCKWOOL ACOUSTICAL FIRE INSULATION OR EQUAL FULL HEIGHT MATERIAL MUST BE FASTENED IN SUCH WAY AS TO PREVENT IT FROM SLIDING DOWN, LEAVING A VOID AT THE TOP.
13. DO NOT DISCARD FINISH FLOORING MATERIAL UNLESS DIRECTED BY COR. IF FLOORING IS TO BE REPLACED, REPLACE IN KIND.
14. AFTER REMOVING THE SECTION OF WALL NEEDED TO ENLARGE THE OPENING, THE EXISTING BOTTOM TRACK IS TO REMAIN AS IS. DO NOT CUT.
15. 3 5/8" 16 GA STUDS @ 16" O.C. FROM EXISTING BASE TRACK UP TO NEW TRACK UNDER FLOOR PANEL SYSTEM AND PLYWOOD. FASTEN STUDS TO UPPER AND LOWER TRACKS WITH (1) SCREW AT EACH FLANGE (TYP). SEE GENERAL WALL CONSTRUCTION NOTE "1".

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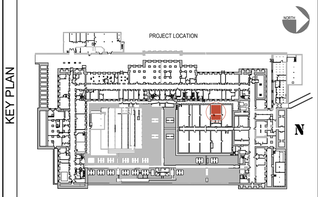
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

6" =1'-0" 0 1" 2" 3" 4" 5" 6"
3" =1'-0" 0 1" 2" 3" 4" 5" 6" 1'

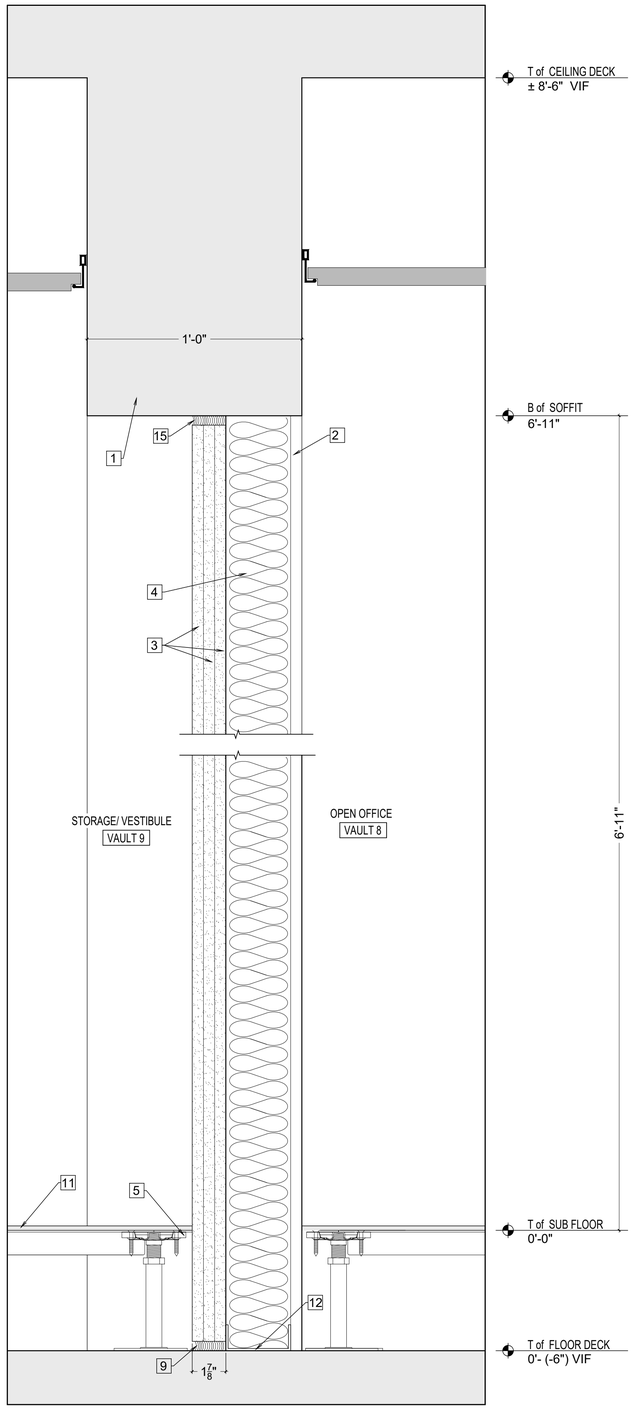
CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS	A/E CON. NO.	
	A/E TASK NO.	
	CONS. CONTR	
	CONS. WORK	
	PRIME A/E	MERIDIEN GROUP / CITADEL DCA
	SUB A/E	
BUILDING	NAME	
	STREET	
	CITY/ST./ZIP	WASHINGTON, DC
	BUILDING NO.	DC-
	OTHER	
	BUILDING NOs.	
	FACILITY CODE	
PROJECT	PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
	PROJECT DESCRIPTION	NEW DOORS VAULT 9
	PROJECT NO.	V9_26_003
	GSA PM	BARBARA CHOATE
	SUBMISSION	100% - REV SUBMISSION FOR REVIEW
	SUB. DATE	06 JUNE 2026
DRAWING	DRAWING TITLE	WALL TYPE A AND HEADER DETAILS
	FILE NAME	
	FLOOR NO.	BASEMENT
	DRAWN BY	AGF DATE DRAFTED: 04/01/2026
	CHECKED BY	LSP SHEET SIZE: 24 x 36
	DRAWING NO.	A-302
		DISCIPLINE SHEET TYPE SEQUENCE
		SHEET 08 OF 20

WALL TYPE C | STC-50 WALL

ASSUMPTIONS & APPROACH:

THE EXISTING INFILL WALL EXTENDS FROM THE BOTTOM OF THE MASONRY SOFFIT (MATERIAL TO BE CONFIRMED) DOWN TO THE STRUCTURAL FLOOR DECK BUT DOES NOT MEET THE STC-50 CRITERIA. THUS, ADDITIONAL GWB AND INSULATION NEED TO BE INSTALLED AS DEPICTED.

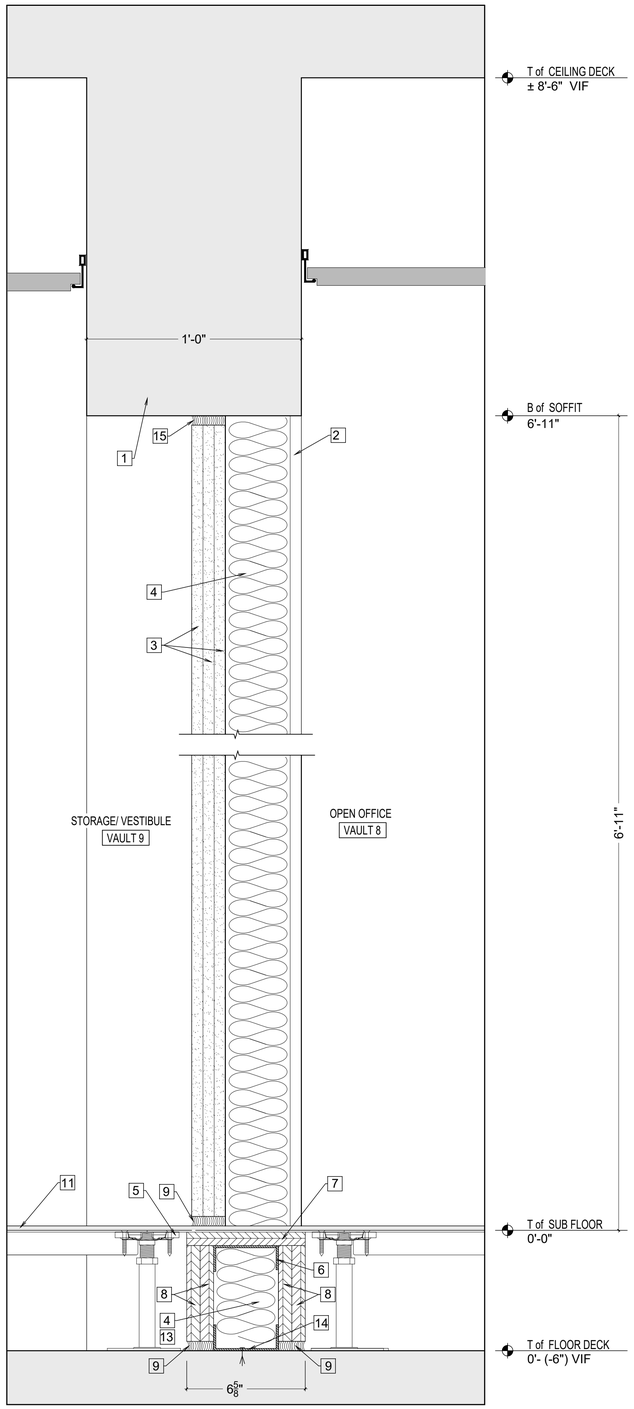


A-1 WALL TYPE C
3" = 1'-0"

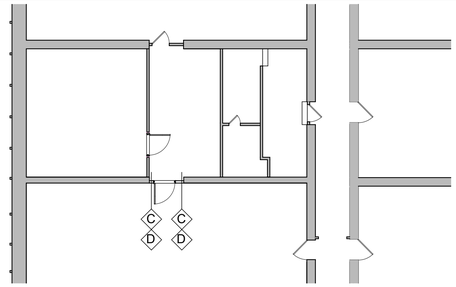
WALL TYPE D | STC-50 WALL

ASSUMPTIONS & APPROACH:

THE EXISTING INFILL WALL EXTENDS FROM THE BOTTOM OF THE MASONRY SOFFIT (MATERIAL TO BE CONFIRMED) TO THE TOP OF THE FLOOR PANEL SYSTEM AND DOES NOT MEET THE STC-50 CRITERIA. THUS, ADDITIONAL GWB AND INSULATION NEED TO BE INSTALLED AS DEPICTED.
THERE IS NOT A WALL UNDER THE FLOOR PANEL SYSTEM. A WALL MUST BE CONSTRUCTED TO MEET THE STC-50 REQUIREMENT



A-2 WALL TYPE D
3" = 1'-0"



GENERAL WALL CONSTRUCTION NOTES

1. WALL FRAMING TO CONSIST OF ONE OF THE FOLLOWING:

   A. CLARK-DIETRICH : PRO STUD DRYWALL FRAMING SYSTEM
   B. MARINO WARE: SOUND GUARD ACOUSTICALLY DECOUPLED STEEL STUDS

   LINTEL TO CONSIST OF ONE OF THE FOLLOWING: (SEE DETAILS IN A-501 - A-1, A-3, A-5)

   A. CLARK-DIETRICH : HDS FRAMING SYSTEM WITH HDSC HEADER BRACKET
   B. CLARK-DIETRICH : RED HEADER PRO WITH HDSC HEADER BRACKET

   JAMBS TO CONSIST OF:

   A. CLARK-DIETRICH : HDS FRAMING SYSTEM

2. CONTINUOUS CAULK AT ALL INTERSECTIONS BETWEEN THE PARTITION / WALL W/ OTHER SURFACES ON BOTH SIDES AIR TIGHT (HORIZONTAL-DECK OR VERTICAL- OTHER WALLS) WITH NON HARDENING CAULK SUCH AS:

   A. NON-HARDENING POLYURETHANE TYPE, ASTM C920, TYPE M, CLASS 25, GRADE NS: TREMCO "DYMERIC 511" OR APPROVED EQUAL.

   B. NON-HARDENING POLYSULPHIDE TYPE, ASTM C920, ONE- PART: PECORA "GC-9" OR EQUAL

   C. NON-HARDENING SILICONE TYPE, ASTM C920, TYPE S, CLASS 25, GRADE NS, ONE-PART, LOW MODULE USGE "SILPRUF", DOW CORNING 790, TREMCO "SPECTRUM" 1 INCH, PECORA 864, OR APPROVED EQUAL.

3. WALL (NEW & EXISTING PORTIONS) MUST BE UNIFORMLY FINISHED ON BOTH SIDES, FROM FLOOR SLAB (TRUE FLOOR) TO UNDER- SIDE OF FLOOR PLATE (TRUE CEILING).

4. ALL GWB INSTALLATION MUST BE AS FOLLOWS:

   A. PANEL INSTALLATION TO BE FULL WALL HEIGHT FROM FLOOR SLAB (TRUE FLOOR) TO UNDER- SIDE OF THE CEILING PLATE (TRUE CEILING) OR FILLING ENTIRE PORTION OF WALL ABOVE AND BELOW WHEN A DOOR OPENING;
   B. CROSS LAY ALL MULTIPLE LAYERS OF GWB. DO NOT LAY ONE SEAM DIRECTLY OVER THE ONE BENEATH;
   C. FILL ALL SEAMS BETWEEN THE GWB SHEETS W/ ACOUSTIC SEALANT PRIOR TO TAPING AND SPACKLING SEAMS;
   D. APPLY P-1 FINISH AS PER FINISHES SCHEDULE.

5. FURNISH AND INSTALL BLOCKING AS REQUIRED AT ALL LOCATIONS FOR THE PROPER AND SECURE INSTALLATION OF ALL WALL MOUNTED EQUIPMENT OR MILLWORK WHETHER SPECIFICALLY NOTED IN THE DRAWINGS OR NOT.

KEY NOTES

1	EXISTING MASONRY WALL TO REMAIN (MATERIAL TO BE CONFIRMED)
2	FRAMING AND GWB TO REMAIN
3	AFTER REMOVING THE EXISTING GWB, ADD (3) LAYERS OF 5/8" GWB TYPE X TO THE ENTIRE WALL (STORAGE SIDE) FROM TOP OF THE FLOOR DECK TO THE BOTTOM OF THE MASONRY SOFFIT, FOR THE WALL ASSEMBLY TO MEET STC-50 REQUIREMENTS.
4	3 1/2" ROCKWOOL ACOUSTICAL FIRE BATT INSULATION OR EQUAL FULL HEIGHT OF WALL CAVITY. MATERIAL MUST BE FASTENED IN SUCH WAY AS TO PREVENT IT FROM SLIDING DOWN, LEAVING A VOID AT THE TOP.
5	REMOVE FLOOR PANELS AS NEEDED TO ENLARGE OPENING AND CONSTRUCT PORTION OF WALL UNDER THRESHOLD. CUT PANEL WITHIN $\frac{1}{8}$" OFF THE WALL. PANELS ARE TO REMAIN ON SITE. EXISTING TATE FLOOR PANEL TO BE REINSTALLED AND ADJUSTED AFTER THE CONSTRUCTION OF THE NEW LOWER WALL PORTION AND THE INSTALLATION OF THE NEW DOOR ARE COMPLETED.
6	3 5/8" 12 GA METAL CONTINUOUS RUNNER ANCHORED TO PLYWOOD AND FLOOR PANEL WITH (2) SCREWS AT 16" O.C. SEE GENERAL WALL CONSTRUCTION NOTE "1".
7	(1) LAYER OF 3/4" PLYWOOD
8	(2) LAYERS OF 3/4" PLYWOOD
9	FILL ALL BASE VOIDS WITH BACKER ROD AND ACOUSTIC SEALANT. SEE GENERAL CONSTRUCTION NOTE "2".
10	3 1/2" ROCKWOOL ACOUSTICAL FIRE INSULATION OR EQUAL FULL HEIGHT MATERIAL MUST BE FASTENED IN SUCH WAY AS TO PREVENT IT FROM SLIDING DOWN, LEAVING A VOID AT THE TOP.
11	DO NOT DISCARD FINISH FLOORING MATERIAL UNLESS DIRECTED BY COR. IF FLOORING IS TO BE REPLACED, REPLACE IN KIND.
12	AFTER REMOVING THE SECTION OF WALL NEEDED TO ENLARGE THE OPENING, THE EXISTING BOTTOM TRACK IS TO REMAIN AS IS. DO NOT CUT.
13	3 5/8" 16 GA STUDS @ 16" O.C. FROM EXISTING BASE TRACK UP TO NEW TRACK UNDER SILL. FASTEN STUDS TO UPPER AND LOWER TRACKS WITH (1) SCREW AT EACH FLANGE (TYP). SEE GENERAL WALL CONSTRUCTION NOTE "1".
14	3 5/8" 12 GA METAL CONTINUOUS RUNNER ANCHORED W/ DEWALT / POWERS ZAMAC NAILIN WITH 1 1/4" EMBEDMENT DEPTH (2) AT EACH STUD. BED TRACK IN TWO CONTINUOUS BEADS OF ACOUSTIC SEALANT
15	ACOUSTICAL SEALANT. FIRE SAFE OR NON-SHRINK GROUT IN ALL VOIDS ABOVE TRACK . SEE GENERAL WALL CONSTRUCTION NOTE "2".

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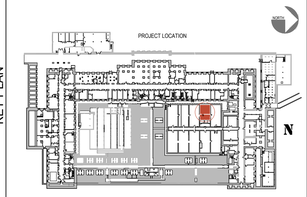
CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

6" =1'-0" 0 1" 2" 3" 4" 5" 6"
3" =1'-0" 0 1" 2" 3" 4" 5" 6" 1'
CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

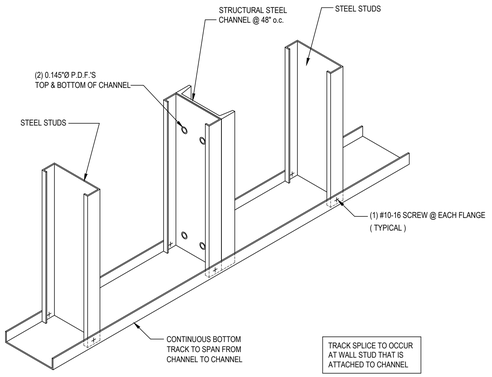
NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER	
BUILDING NOs.	
FACILITY CODE	

PROJECT

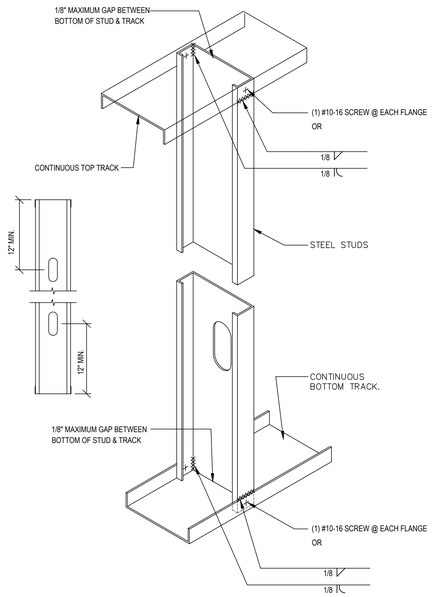
PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

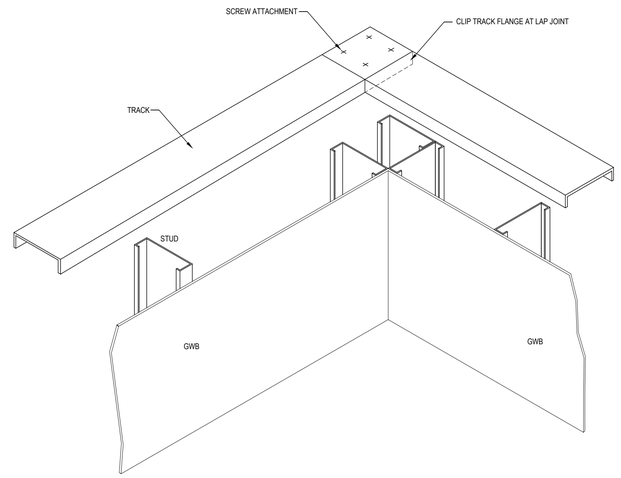
DRAWING TITLE	WALL TYPE A AND HEADER DETAILS
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-303
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 09 OF 20



C-1 INFILL FRAMING
NTS



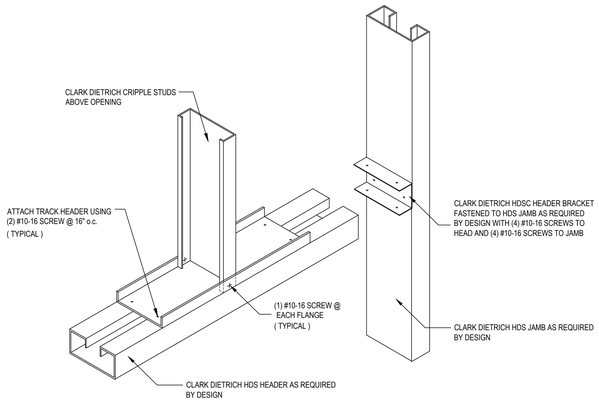
C-3 STUD TO TRACK ATTACHMENT
NTS



C-5 WALL FRAMING AT CORNER TRACK LAP CONNECTION
NTS

NOTES:

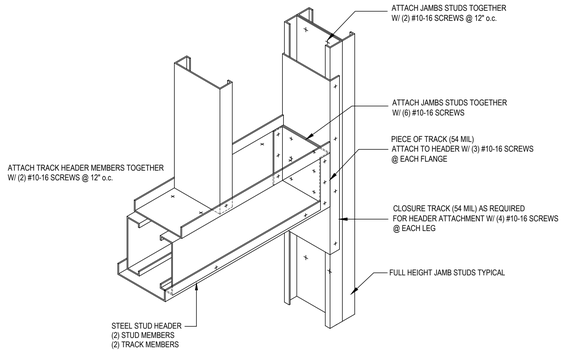
1. ALL RedHeader PRO™ AND HDS HEADERS MUST BE 1/2" LESS THAN ROUGH OPENING WIDTH TO FIT INSIDE HDSC HEADER BRACKETS.
2. ALL HEADER MEMBERS MUST SPAN ENTIRE LENGTH OF OPENING WITHOUT SPLICES



A-1 HDS HEADER CONNECTION
NTS

NOTE:

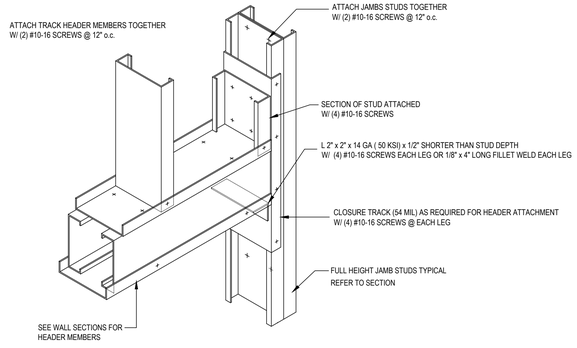
1. ALL HEADER MEMBERS MUST SPAN ENTIRE LENGTH OF OPENING WITHOUT SPLICES



A-3 BOXED HEADER: JAMB DETAIL TRACK / SHOE
NTS

NOTE:

1. ALL HEADER MEMBERS MUST SPAN ENTIRE LENGTH OF OPENING WITHOUT SPLICES



A-5 BOXED HEADER: JAMB DETAIL CLIPPED
NTS

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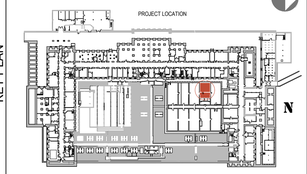
KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

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CONTRACTORS	
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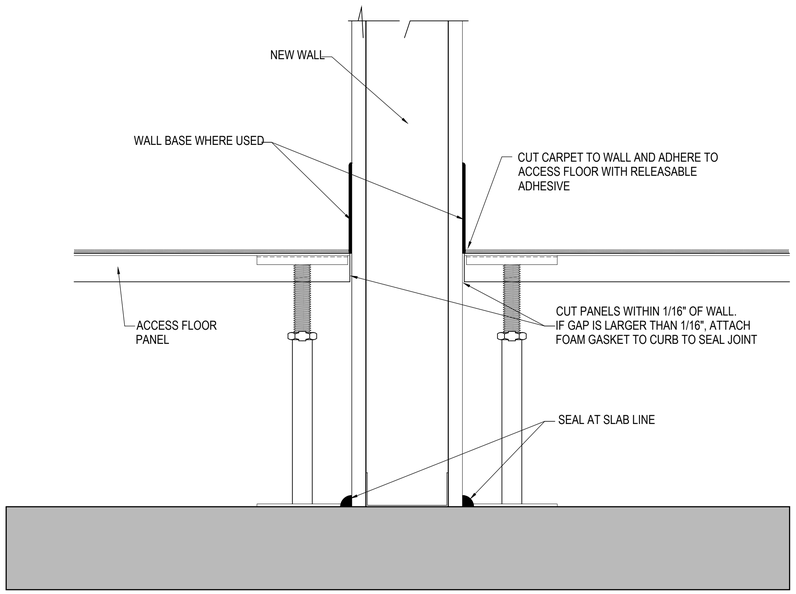
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING	
NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER BUILDING NOs.	
FACILITY CODE	

PROJECT	
PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING	
DRAWING TITLE	FRAMING DETAILS
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-501
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 10 OF 20



C-1 ACCESS FLOOR PERIMETER SEAL W/ WALL BASE
NTS

THE FOLLOWING ARE GUN-GRADE SEALANTS WHICH HAVE BEEN USED FOR AIR PLENUM SEALING AND COMPLY WITH THE VOC CONTENT LIMITS OF LEED EQ CREDIT 4.1 LOW EMITTING MATERIALS:

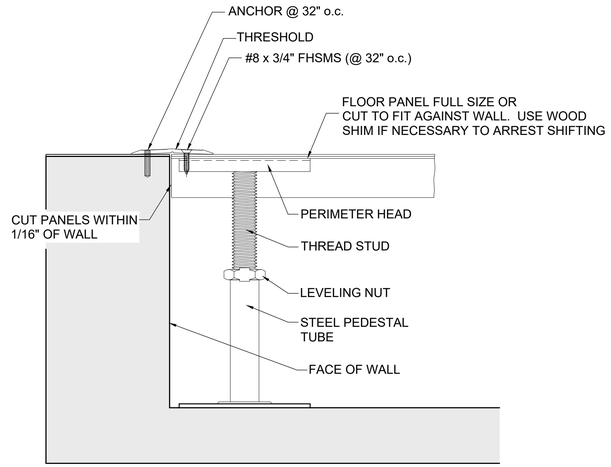
SEAL BOND 93 SEAM AND PENETRATION SEALANT.
VOC CONTENT: <17G/L.WWW.SEAL-BOND.COM

SONOLASTIC NP 1 ELASTOMERIC POLYURETHANE SEALANT.
VOC CONTENT: 43G/L. WWW.BUILDINGSYSTEMS.BASF.COM

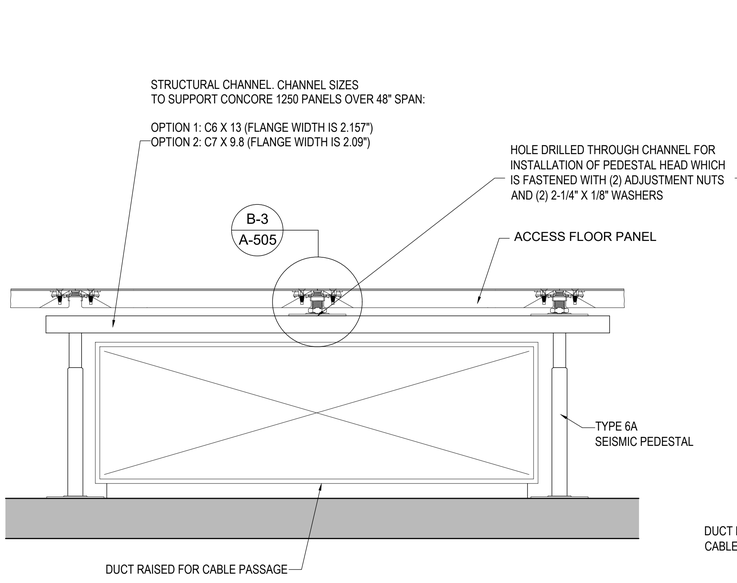
PECORA AC-20 ACRYLIC LATEX SEALANT.
VOC CONTENT: 31 G/L. WWW.PECORA.COM

RCD CORP. #20 CLEAR ACRYLIC ADHESIVE SEALANT.
VOC CONTENT: <10 G/L. WWW.RCDMASTICS.COM

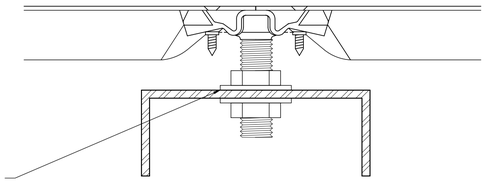
ADHESIVE AND SEALANTS. DEEP PENETRATIONS MUST BE CONTROLLED BY THE USE OF BACK-UP FILLER MATERIAL; SEE SEALANT MANUFACTURER'S RECOMMENDATIONS FOR THESE REQUIREMENTS.



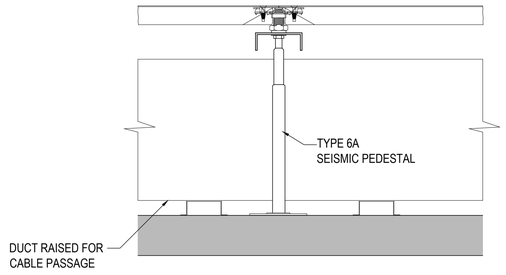
A-5 TRANSITION BETWEEN FLOOR SURFACES OTHER THAN CARPET
NTS



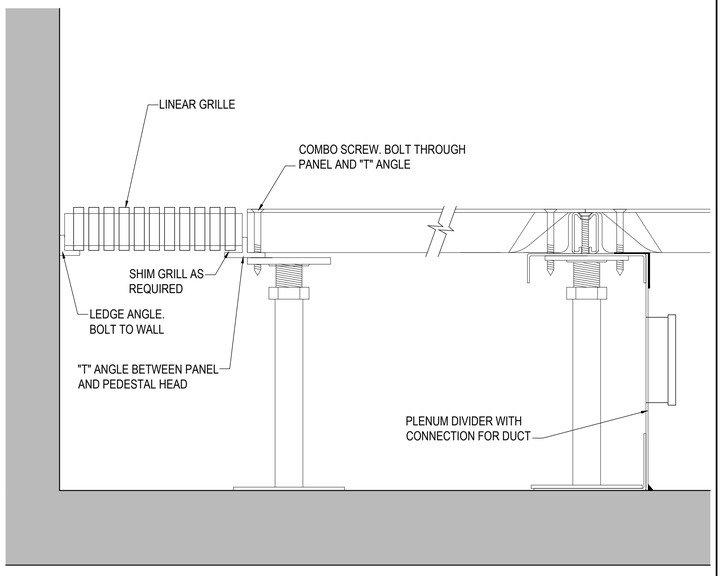
A-1 BRIDGING OVER DUCT ON SUBFLOOR SIDE VIEW
NTS



B-3 DETAIL END VIEW OF CHANNEL
NTS



A-3 BRIDGING OVER DUCT ON SUBFLOOR END VIEW
NTS



A-4 LINEAR GRILLE PERIMETER DETAIL
NTS

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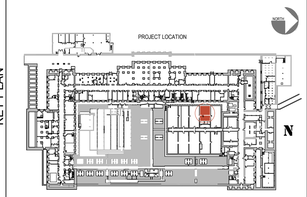
CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

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CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER BUILDING NOs.	
FACILITY CODE	

PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

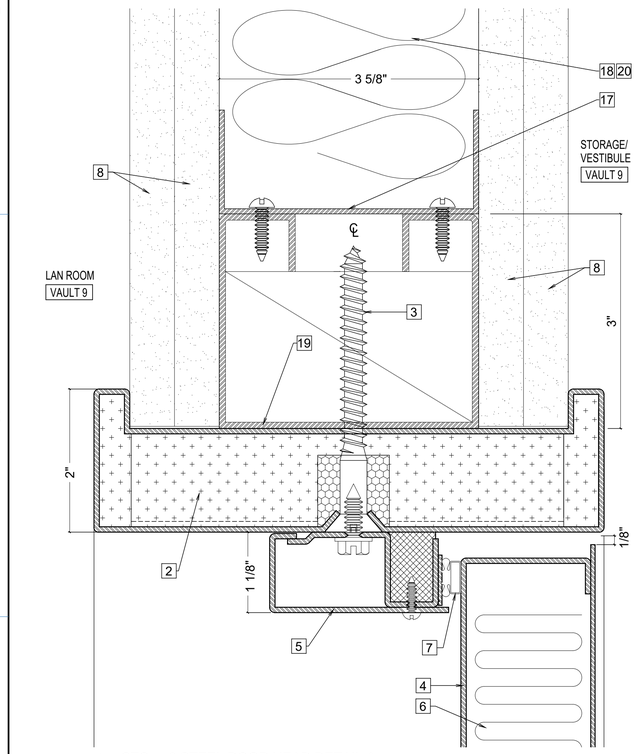
DRAWING TITLE	FRAMING DETAILS
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF
DATE DRAFTED:	04/01/2026
CHECKED BY	LSP
SHEET SIZE:	24 x 36
DRAWING NO.	A-502
DISCIPLINE	SHEET TYPE SEQUENCE
SHEET	11 OF 20

STC-50 STEEL FRAME FOR STEEL DOOR **FRAME TYPE F-1**

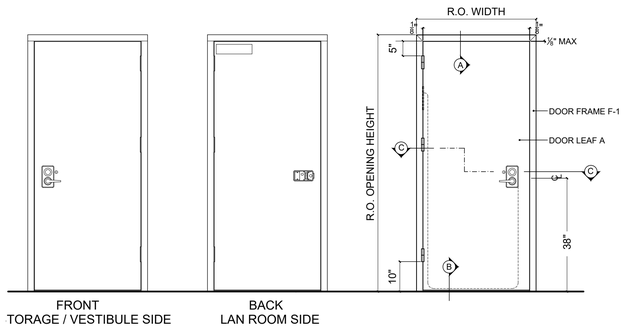
STC-50 SOLID CORE, STEEL ACOUSTIC DOOR **DOOR TYPE A**

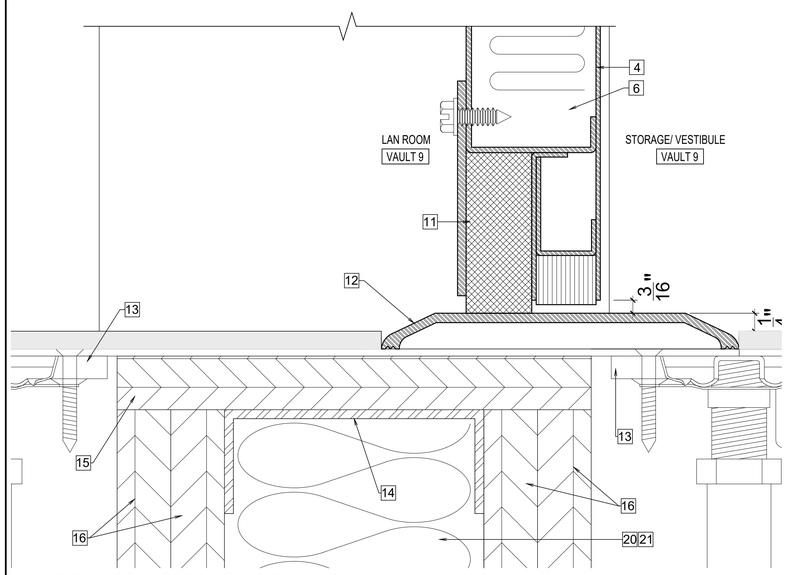
INSTALLATION AT VAULT 9 LAN ROOM

DRAWING BASED ON OVERLY DOOR 5012016 W/ WELDED FRAME



B-1 STC - 50 STEEL DOOR HEAD DETAIL A
1" = 1"

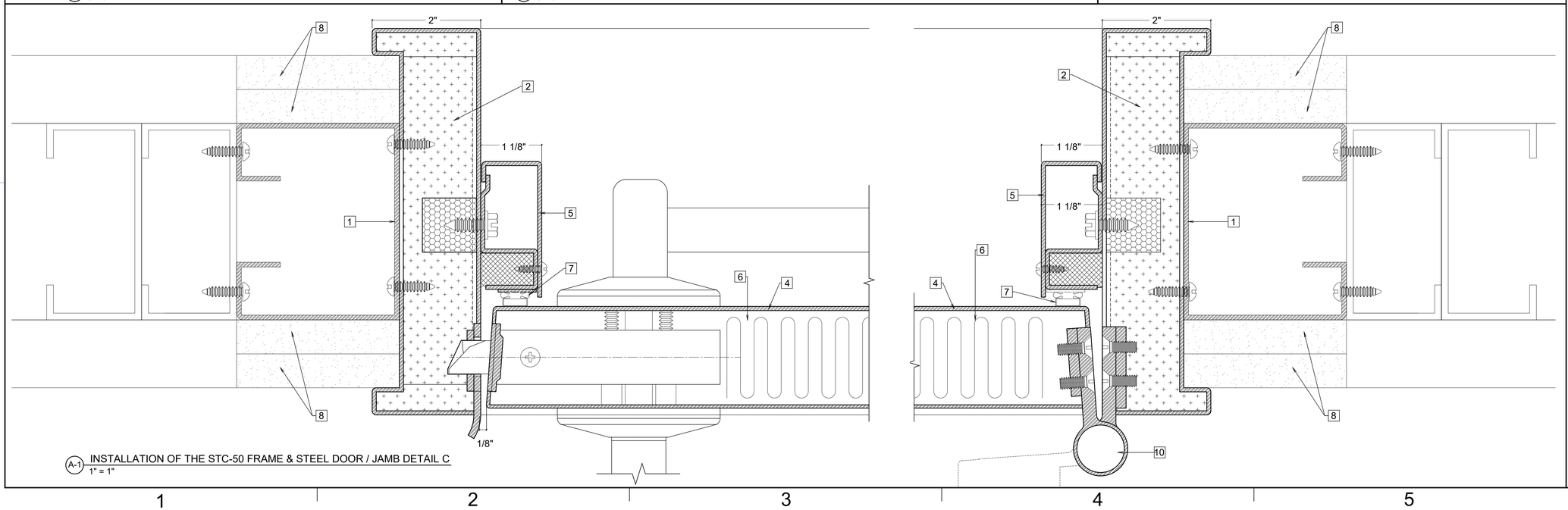




B-3 STC - 50 STEEL DOOR AND THRESHOLD DETAIL B
1" = 1"

KEY NOTES

1. INSTALL 3-5/8" x 3" CLARK DIETRICH 362HD300-97 (12 GA) JAMBS AT EITHER END OF THE ENLARGED OPENING CENTERED ON THE WALL, FROM THE TOP OF THE STRUCTURAL DECK TO THE UNDER- SIDE OF THE OPENING HEADER. FASTEN NEW FRAMING MEMBERS TO THE EXISTING FRAMING STUDS W/ (2) # 10-16 SCREWS @ 12" O.C. OR AS RECOMMENDED BY STEEL MANUFACTURER. ADDITIONAL STUDS MIGHT BE NEEDED IF THERE IS A GAP BETWEEN THE EXISTING FRAMING AND THE PROPOSED NEW JAMB.
2. NEW 2" STEEL FRAME (14 GA MIN) STC-50 SOUND GROUP 4. THE FRAME MUST HAVE ALL VOIDS IN THE HEAD AND JAMBS PACKED W/ 6 TO 12 LB DENSITY MINERAL WOOL. ANCHOR FRAME JAMBS WITH 3/8" Ø FASTENERS JAMB ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. WELD ANCHORS INSIDE EACH JAMB FOR WALL ANCHORAGE. ALTERNATE: FOR THIS INSTALLATION, STC-50 SPLIT FRAME MEETING THE CHARACTERISTICS AND INSTALLED AS DESCRIBED ABOVE IS ACCEPTABLE
3. ANCHOR FRAME HEAD WITH 3/8" Ø FASTENERS TO MATCH THE JAMBS' FASTENERS @ 12" o.c.
4. NEW 1 3/4" ACOUSTIC STEEL DOOR STC-50 SOUND GROUP 4. STC-50 DOOR LEAF MUST BE PURCHASED AS A SET WITH THE DOOR FRAME. INSTALL DOOR AND HARDWARE AS PER DOOR AND HARDWARE SCHEDULES. HARDWARE MUST MEET FEDERAL SPECIFICATION FF-L-2740 / UL 2050.
5. ACOUSTIC PERIMETER SEALS TO BE FITTED AND FASTENED TO JAMBS AND HEAD BY INSTALLER ON SITE. DEPENDING ON FRAME MANUFACTURER, THE ACOUSTIC SEALS WILL DIMINISH THE FRAME CLEAR OPENING SIZE BY UP TO:
   RABBET WIDTH: 2 1/2" (TOTAL BOTH SIDES COMBINED)
   RABBET HEIGHT: 1 1/4"
6. ACOUSTIC CORE
7. ACOUSTIC NEOPRENE
8. (2) LAYERS OF 5/8" GWB TYPE X FULL HEIGHT OF WALL PORTION TO MATCH EXISTING WALL THICKNESS
9. ACOUSTICAL SEALANT. FIRE SAFE OR NON-SHRINK GROUT
10. CAM LIFT HINGE
11. SUPER H DOOR BOTTOM
12. 1/4" ADA/ABA THRESHOLD INSTALLED ON TOP OF RAISED FLOOR PANEL AS PART OF THE STC-50 ASSEMBLY. DOOR BOTTOM REQUIRES FLUSH LEVEL SEALING SURFACE. ALUMINUM, OR STAINLESS STEEL THRESHOLD RECOMMENDED. DO NOT SEAL AGAINST CARPET. FLOOR ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. MINIMUM 14 GA. WELD ANCHORS INSIDE EACH JAMB FOR FLOOR ANCHORAGE.
13. REMOVE FLOOR PANELS AS NEEDED TO ENLARGE OPENING AND CONSTRUCT PORTION OF WALL UNDER THRESHOLD. PANELS ARE TO REMAIN ON SITE. EXISTING TATE FLOOR PANEL TO BE REINSTALLED AND ADJUSTED AFTER THE CONSTRUCTION OF THE NEW WALL PORTION (UNDER SIDE) AND THE INSTALLATION OF THE NEW DOOR ARE COMPLETED. CUT PANEL WITHIN 1/16" OFF THE WALL EACH SIDE.
    DO NOT DISCARD FINISH FLOORING MATERIAL UNLESS DIRECTED BY COR. IF FLOORING IS TO BE REPLACED, REPLACE IN KIND
14. 3 5/8" 12 GA METAL CONTINUOUS RUNNER ANCHORED TO PLYWOOD AND FLOOR PANEL WITH (2) SCREWS AT 16" O.C.
15. (1) LAYER OF 3/4" PLYWOOD
16. (2) LAYERS OF 3/4" PLYWOOD
17. 3 5/8" 12 GA METAL CONTINUOUS RUNNER ANCHORED TO HEADER WITH (2) #10-16 SCREWS AT 16" O.C.
18. 3 5/8" 16 GA CRIPPLE STUDS @ 16" O.C. FROM EXISTING TOP TRACK DOWN TO NEW TRACK ABOVE HEADER. FASTEN STUDS TO UPPER AND LOWER TRACKS WITH (1) #10-16 SCREW AT EACH FLANGE (TYP).
19. INSTALL A 3-5/8" X 3" CLARK DIETRICH 362HDS300-97 (12 GA) LINTEL SUPPORTED WITH A 3-1/2" X 3" CLARK DIETRICH 350HDSC300-97 (12 GA) HEADER BRACKET. BRACKET TO BE FASTENED TO HDS JAMBS AS REQUIRED BY DESIGN. SEE GENERAL WALL CONSTRUCTION NOTE "1". INSERT WOOD BLOCKING IF NEEDED. HEADERS MUST BE 1/2" LESS THAN ROUGH OPENING WIDTH TO FIT INSIDE HDSC HEADER BRACKETS. ALL HEADER MEMBERS MUST SPAN ENTIRE LENGTH OF OPENING WITHOUT SPLICES.
20. 3 1/2" ROCKWOOL ACOUSTICAL FIRE INSULATION OR EQUAL FULL HEIGHT MATERIAL MUST BE FASTENED IN SUCH WAY AS TO PREVENT IT FROM SLIDING DOWN, LEAVING A VOID AT THE TOP.
21. 3 5/8" 16 GA STUDS @ 16" O.C. FROM TRACK UNDER FLOOR PANEL AND PLYWOOD DOWN TO EXISTING BASE TRACK. FASTEN STUDS TO UPPER AND LOWER TRACKS WITH (1) #10-16 SCREW AT EACH FLANGE (TYP).



A-1 INSTALLATION OF THE STC-50 FRAME & STEEL DOOR / JAMB DETAIL C
1" = 1"

MERIDIEN GROUP

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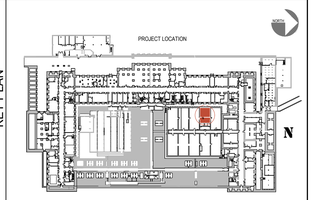
CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

1" =1"
0 1" 2" 3"

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

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A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER	
BUILDING NOs.	
FACILITY CODE	

PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

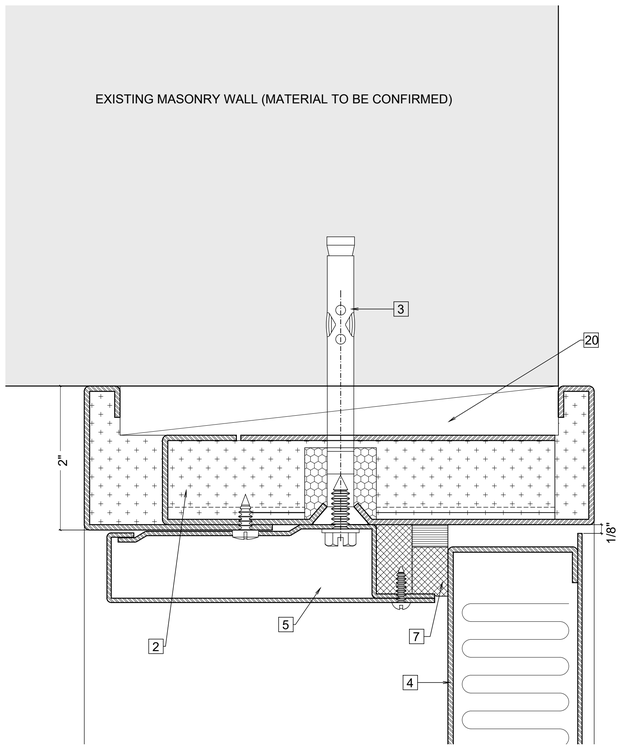
DRAWING TITLE	DOOR DETAILS
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-503
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 12 OF 20

STC-50 STEEL SPLIT FRAME FOR STEEL DOOR **FRAME TYPE F-2**

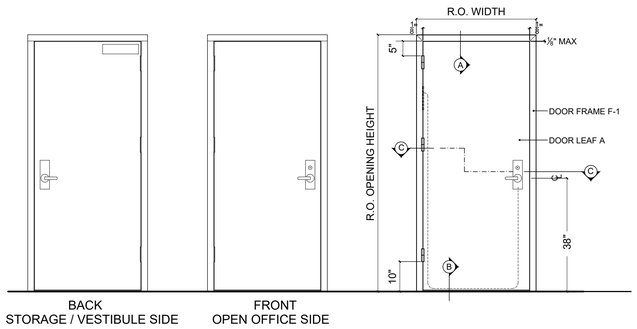
STC-50 SOLID CORE, STEEL ACOUSTIC DOOR **DOOR TYPE B**

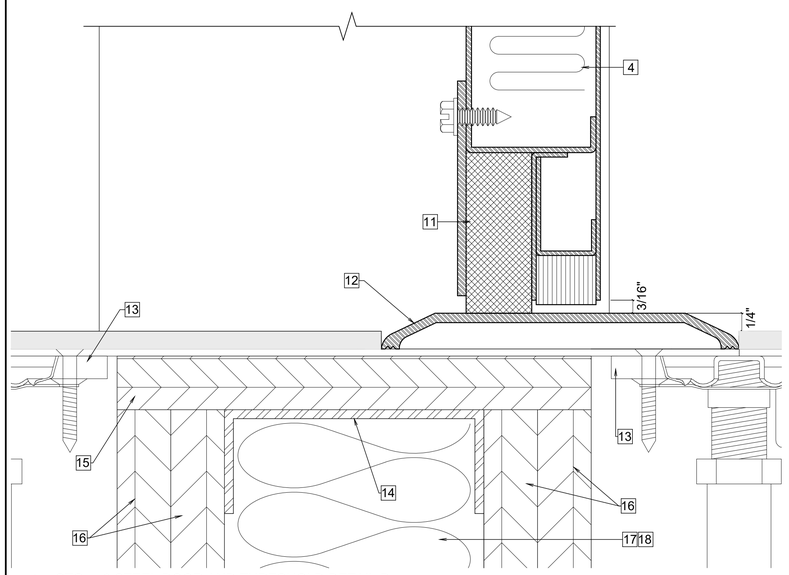
INSTALLATION AT VAULT 9 VESTIBULE / STORAGE ROOM

DRAWING BASED ON OVERLY DOOR 5012016 W/ SPLIT FRAME



B-1 STC - 50 STEEL DOOR HEAD DETAIL A
1" = 1"

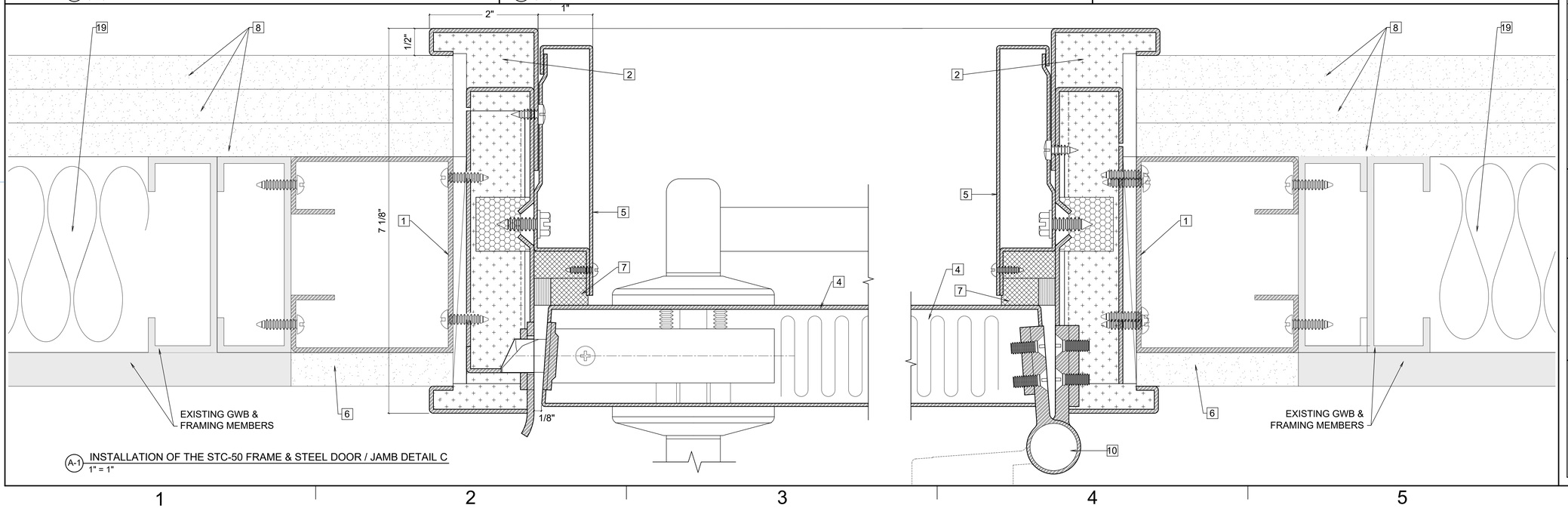




B-3 STC - 50 STEEL DOOR AND THRESHOLD DETAIL B
1" = 1"

KEY NOTES

1. INSTALL 3-5/8" x 3" CLARK DIETRICH 362HD300-97 (12 GA) JAMBS AT EITHER END OF THE ENLARGED OPENING CENTERED ON THE WALL, FROM THE TOP OF THE STRUCTURAL DECK TO THE UNDERSIDE OF THE OPENING HEADER. FASTEN NEW FRAMING MEMBERS TO THE EXISTING FRAMING STUDS W/ (2) # 10-16 SCREWS @ 12" O.C. OR AS RECOMMENDED BY STEEL MANUFACTURER. ADDITIONAL STUDS MIGHT BE NEEDED IF THERE IS A GAP BETWEEN THE EXISTING FRAMING AND THE PROPOSED NEW JAMB.
2. NEW 2" SPLIT STEEL FRAME (14 GA MIN) STC-50 SOUND GROUP 4. THE FRAME MUST HAVE ALL VOIDS IN THE HEAD AND JAMBS PACKED W/ 6 TO 12 LB DENSITY MINERAL WOOL. ANCHOR FRAME JAMBS WITH 3/8" Ø FASTENERS JAMB ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. WELD ANCHORS INSIDE EACH JAMB FOR WALL ANCHORAGE. ALTERNATE: FOR THIS INSTALLATION, STC-50 WELDED FRAME MEETING THE CHARACTERISTICS AND INSTALLED AS DESCRIBED ABOVE IS ACCEPTABLE
3. ANCHOR FRAME HEAD WITH 3/8" Ø MASONRY FASTENERS @ 12" o.c.
4. NEW 1 3/4" STEEL DOOR STC-50 SOUND GROUP 4 WITH ACOUSTIC CORE. STC-50 DOOR LEAF MUST BE PURCHASED AS A SET WITH THE DOOR FRAME. INSTALL DOOR AND HARDWARE AS PER DOOR AND HARDWARE SCHEDULES. HARDWARE MUST MEET FEDERAL SPECIFICATION FF-L-2740 / UL 2050.
5. ACOUSTIC PERIMETER SEALS TO BE FITTED AND FASTENED TO JAMBS AND HEAD BY INSTALLER ON SITE. DEPENDING ON FRAME MANUFACTURER, THE ACOUSTIC SEALS WILL DIMINISH THE FRAME CLEAR OPENING SIZE BY UP TO:
   RABBET WIDTH: 2 1/2" (TOTAL BOTH SIDES COMBINED)
   RABBET HEIGHT: 1 1/4"
6. (1) LAYER OF 5/8" GWB TYPE X
7. ACOUSTIC SPONGE NEOPRENE
8. AFTER REMOVING THE EXISTING GWB, ADD (3) LAYERS OF 5/8" GWB TYPE X TO THE ENTIRE WALL (STORAGE SIDE) FOR THE WALL ASSEMBLY TO MEET STC-50 REQUIREMENTS. INSTALLATION TO BE AS FOLLOWS:
   A. INSTALL PANELS FULL HEIGHT FROM FLOOR SLAB (TRUE FLOOR) TO UNDERSIDE OF THE MASONRY SOFFIT (MATERIAL TO BE CONFIRMED)
   B. CROSS LAY ALL MULTIPLE LAYERS OF GWB. DO NOT LAY ONE SEAM DIRECTLY OVER THE ONE BENEATH;
   C. FILL ALL SEAMS BETWEEN THE GWB SHEETS W/ ACOUSTIC SEALANT PRIOR TO TAPING AND SPACKLING SEAMS;
9. ACOUSTICAL SEALANT. FIRE SAFE OR NON-SHRINK GROUT
10. CAM LIFT HINGE
11. SUPER H DOOR BOTTOM
12. 1/4" ADA/ABA THRESHOLD INSTALLED ON TOP OF RAISED FLOOR PANEL AS PART OF THE STC-50 ASSEMBLY. DOOR BOTTOM REQUIRES FLUSH LEVEL SEALING SURFACE. ALUMINUM, OR STAINLESS STEEL THRESHOLD RECOMMENDED. DO NOT SEAL AGAINST CARPET. FLOOR ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. MINIMUM 14 GA. WELD ANCHORS INSIDE EACH JAMB FOR FLOOR ANCHORAGE
13. REMOVE FLOOR PANELS AS NEEDED TO ENLARGE OPENING AND CONSTRUCT PORTION OF WALL UNDER THRESHOLD. PANELS ARE TO REMAIN ON SITE. EXISTING TATE FLOOR PANEL TO BE REINSTALLED AND ADJUSTED AFTER THE CONSTRUCTION OF THE NEW WALL PORTION (UNDER SIDE) AND THE INSTALLATION OF THE NEW DOOR ARE COMPLETED. CUT PANEL WITHIN 1/16" OFF THE WALL EACH SIDE.
    DO NOT DISCARD FINISH FLOORING MATERIAL UNLESS DIRECTED BY COR. IF FLOORING IS TO BE REPLACED, REPLACE IN KIND
14. 3 5/8" 12 GA METAL CONTINUOUS RUNNER ANCHORED TO PLYWOOD AND FLOOR PANEL WITH (2) SCREWS AT 16" O.C.
15. (1) LAYER OF 3/4" PLYWOOD
16. (2) LAYERS OF 3/4" PLYWOOD
17. 3 1/2" ROCKWOOL ACOUSTICAL FIRE INSULATION OR EQUAL FULL HEIGHT MATERIAL MUST BE FASTENED IN SUCH WAY AS TO PREVENT IT FROM SLIDING DOWN, LEAVING A VOID AT THE TOP.
18. 3 5/8" 16 GA STUDS @ 16" O.C. TRACK DOWN TO EXISTING BASE TRACK ABOVE. FASTEN STUDS TO UPPER AND LOWER TRACKS WITH (1) #10-16 SCREW AT EACH FLANGE (TYP).
19. REMOVE EXISTING GWB TO FILL WALL WITH 3 1/2" ROCKWOOL ACOUSTICAL FIRE INSULATION OR EQUAL FULL HEIGHT MATERIAL MUST BE FASTENED IN SUCH WAY AS TO PREVENT IT FROM SLIDING DOWN, LEAVING A VOID AT THE TOP.
20. PT WOOD BLOCKIMG AS NEEDED



A-1 INSTALLATION OF THE STC-50 FRAME & STEEL DOOR / JAMB DETAIL C
1" = 1"

MERIDIEN GROUP

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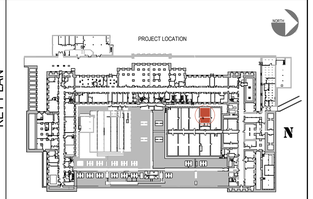
CITADEL DCA
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

1" =1"
0 1" 2" 3"

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
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CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
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CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-504
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 13 OF 20

FINISH NOTES

GENERAL

1. ALL FINISHES SHALL BE APPLIED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. A COPY OF THE RECOMMENDATIONS AND INSTRUCTIONS SHALL BE SUBMITTED TO THE DESIGNER PRIOR TO THE INSTALLATION OF MATERIALS.

2. INSPECT, PATCH AND REPAIR AS NECESSARY ALL WALL CONSTRUCTION AND SURFACES TO RECEIVE NEW FINISHES. PREPARE FOR INSTALLATION OF FINISHES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

3. UNLESS OTHERWISE NOTED, ALL PAINT, PAINTING AND PRIMING FOR WALL COVERINGS ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

4. PAINT ALL UNFINISHED MATERIALS, GRILLES, REGISTERS, ETC TO MATCH ADJACENT WALLS. MATERIALS WITH A NATURAL FINISH, SUCH AS ANODIZED ALUMINUM, SHALL BE LEFT IN THEIR NATURAL FINISH UNLESS OTHERWISE NOTED BY THE CONSTRUCTION DOCUMENTS.

5. APPLY ONE PRIMER COAT AND TWO FINISH COATS ON ALL SURFACES TO BE PAINTED. (LEVEL 4)

6. PREPARE FLOOR FOR INSTALLATION OF FINISHES IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. REMOVE ALL FOREIGN MATTER, GREASE, WAX, PAINT, OIL, ADHESIVES, DIRT, ETC. CUT OFF ANY PROTRUDING OBJECTS AND GRIND SMOOTH TO LEVEL WITH THE FLOOR SURFACE.

7. LEVEL ALL FLOOR SURFACES WITH A CEMENTITIOUS, SELF-LEVELING COMPOUND SIMILAR TO ARDEX K15. MINIMUM THICKNESS = 1/8". SEE SPECS.

8. VERIFY THE LOCATION OF ALL EXISTING FLOOR PENETRATIONS AND FILL WITH FIRE SAFE MATERIAL AND COMPOUND TO LEVEL WITH EXISTING FINISH FLOOR AS REQUIRED FOR 2 HOUR FIRE SEPARATION.

9. INSPECT FLOOR CONSTRUCTION AND SURFACES TO RECEIVE NEW FINISHES AND PROMPTLY NOTIFY THE ARCHITECT OF ANY DEFECTS IN THE SUBSTRATE THAT AFFECT THE WORK SO THAT THEY MAY BE CORRECTED BEFORE THE START OF WORK.

10. INSTALL FLOORING MATERIALS WITHIN THE ALLOWABLE TEMPERATURE RANGE AS STATED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL FLOORING MATERIAL SHALL BE DELIVERED TO THE SITE IN TIME TO ACCLIMATE TO CONDITIONS PRIOR TO INSTALLATION. SUBMIT A COPY OF THE INSTALLATION INSTRUCTIONS TO THE ARCHITECT AND THE OWNER.

11. ALL CHANGES IN FLOOR MATERIAL AND COLORS SHALL OCCUR AT THE CENTERLINE OF DOORWAYS UNLESS OTHERWISE NOTED.

12. WHERE ELECTRICAL WORK IS SPECIFIED, LAMPS AND FIXTURES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR, AS WELL AS CUTOUTS FOR SWITCHES, OUTLETS AND WIRING DEVICES FOR SAME, AS REQUIRED.

13. DURING PROGRESS OF WORK MAINTAIN PREMISES FREE OF NECESSARY ACCUMULATION OF TOOLS, EQUIPMENT, SURPLUS MATERIALS, AND DEBRIS.

14. ALL INTERIOR ROOMS AND ENCLOSED SPACES FINISHES SHALL HAVE A MIN. CLASS "C" RATING WITH A FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450, IN ACCORDANCE WITH THE 2006 IBC-CHAPTER 8 (INTERIOR FINISHES).

PAINT

1. CONTRACTOR TO FURNISH ALL MATERIAL, EQUIPMENT AND SERVICES NECESSARY FOR AND INCIDENTAL TO THE PAINTING AND APPLICATION COMPLETE OF ALL FIELD PAINTING SYSTEMS. THE TERM "PAINT" INCLUDES PAINT, ENAMELS, SEALERS, FILLERS, AND OTHER TYPES OF COATINGS WHETHER USED AS PRIMERS OR IMMEDIATE AND FINISH COATS.

2. CONTRACTOR TO EXAMINE THE CONTRACT DRAWINGS & SPECIFICATIONS AND THOROUGHLY FAMILIARIZE HIMSELF W/ ALL PROVISIONS REGARDING REQUIRED PAINTING OF WORK.
3. EXAMINE SURFACES SCHEDULED TO RECEIVE PAINT AND FINISHES FOR CONDITIONS THAT WILL ADVERSELY AFFECT EXECUTION THROUGH PREPARATORY WORK.

4. CLEAN ALL SURFACES TO BE PAINTED AS REQUIRED TO REMOVE DUST AND DIRT. SAND AS NECESSARY WALL SURFACES.

5. DO NOT PROCEED WITH SURFACE PREPARATION OR COATING APPLICATIONS UNTIL CONDITIONS ARE SUITABLE. REPORT ANY CONDITIONS THAT MAY POTENTIALLY AFFECT PROPER APPLICATION.

6. BEFORE APPLYING SUCCEEDING COATS, PRIMERS AND UNDERCOATS SHALL BE COMPLETELY INTEGRAL AND SHALL PERFORM THE FUNCTION FOR WHICH THEY ARE SPECIFIED. PROPERLY PREPARE AND TOUCH UP ALL SCRATCHES, ABRASIONS OR OTHER DISFIGUREMENTS AND REMOVE ANY FOREIGN MATTER BEFORE PROCEEDING WITH THE FOLLOWING COAT. ALL SPOT-PRIMING OR SPOT-COATING SHALL BE FEATHER EDGED INTO ADJACENT COATINGS TO PRODUCE A SMOOTH AND LEVEL SURFACE.

7. REMOVE OR PROTECT HARDWARE, PLATES, TRIM FOR MECHANICAL WORK, LIGHTING FIXTURES AND REPLACE AND RECONNECT. REPLACE ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM, AND FITTINGS REMOVED PRIOR TO FINISHING.

8. DISCONNECT EQUIPMENT ADJACENT TO WALLS, WHERE NECESSARY, AND MOVE TO PERMIT PAINTING OF TO PROPERLY PREPARE SURFACES TO RECEIVE PAINT

9. COR WILL PROVIDE THE CONTRACTOR W/ PAINT CHIPS, IF REQUIRED, FOR VERIFICATION.

10. ALL PAINT SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE.

11. SHELLAC AND SPOT PRIME WITH INDUSTRY ACCEPTED "STAIN KILLERS" ANY MARKS WHICH MAY BLEED THROUGH SURFACE FINISHES.

12. ALL METAL SURFACES SHALL BE PROPERLY PREPARED PRIOR TO THE APPLICATION OF PAINT.

13. ALL PAINT FINISHES OF METAL PARTS OF FRAME, DOORS, PERIMETER ENCLOSURES, ETC. SHALL BE SEMI-GLOSS UNLESS OTHERWISE NOTED.

14. ALL DOORS SHALL RECEIVE SAME FINISH ON BOTH SIDES UNLESS OTHERWISE NOTED.

15. LABEL EACH CONTAINER WITH COLOR, ROOM LOCATIONS & PRODUCT DESCRIPTION IN ADDITION TO THE MANUFACTURER'S LABEL.

16. REPAIR ALL SURFACE DEFECTS IN GYPSUM DRYWALL JOINT FINISHING COMPOUND OR SPACKLING COMPOUND FILLED OUT FLUSH AND SANDED SMOOTH. CLEAN ALL SURFACES AND TAPE JOINTS OF DUST, DIRT AND OTHER CONTAMINANTS AND BE SURE THEY ARE THOROUGHLY DRY BEFORE APPLYING PAINT.

17. REPAIR DAMAGE TO OTHER SURFACES CAUSED BY WORK OF THIS SECTION.

18. REMOVE EMPTY PAINT CONTAINERS FROM THE WORK SITE. PLACE PAINT OR SOLVENT SOAKED RAGS, WASTE, OR OTHER MATERIALS WHICH MIGHT CONSTITUTE A FIRE HAZARD IN METAL CONTAINERS AND REMOVE FROM PREMISES AT THE END OF EACH DAY'S WORK TAKE EVERY PRECAUTION TO AVOID DAMAGE BY FIRE.

19. AS WORK PROCEEDS, PROMPTLY REMOVE PAINT WHERE SPILLED, SPLASHED, OR SPLATTERED.

20. ADEQUATE LIGHTING MUST BE AVAILABLE PRIOR TO THE APPLICATION OF ANY PAINT COATING TO APPROXIMATE 80 FOOT CANDLES MEASURED MID-HEIGHT AT SUITABLE SURFACE.

21. APPLY PAINT AND ENAMEL W/ SUITABLE BRUSHES, ROLLERS OR SPRAY EQUIPMENT WHICH HAS BEEN KEPT CLEAN, FREE FROM CONTAMINATION AND SUITABLE FOR FINISH REQUIRED.

22. RATE OF APPLICATION OF COATING SHALL NOT EXCEED THAT AS RECOMMENDED BY THE PAINT MANUFACTURER FOR THE PURPOSE AND SURFACE INVOLVED.

23. COMPLY FOR REQUIRED DRYING TIME BETWEEN COATS AS DIRECTED BY MANUFACTURER.

24. SAND DUST BETWEEN EACH COAT TO REMOVE DEFECTS VISIBLE FROM 5 FEET. FINISH COATS SHALL BE SMOOTH, FREE FROM DUST MARKS, STREAKS, LAPS, SAGS, SKIPS, HOLIDAYS, ETC.

25. SHOP PRIMED STEEL SURFACES SAND AND SCRAPE TO REMOVE LOOSE PRIMER AND RUST. FEATHER EDGES TO MAKE TOUCH UP PATCHES INCONSPICUOUS. CLEAN SURFACES WITH SOLVENT.

26. SEAL TOP AND BOTTOM EDGES OF DOORS SCHEDULED FOR PAINTING WITH PRIMER. PROTECT THE WORK OF OTHER TRADES AGAINST DAMAGE OR INJURY BY USE OF SUITABLE COVERINGS DURING THE PROGRESS OF THE PAINTING AND FINISHING WORK.

27. DO NOT APPLY ADDITIONAL PAINT COATS UNTIL COMPLETED SURFACE HAS BEEN INSPECTED AND APPROVED BY THE COR. ONLY INSPECTED COATS OF PAINT WILL BE CONSIDERED IN DETERMINING NUMBER OF COATS APPLIED.

28. MAKE EDGES OF PAINT ADJOINING OTHER MATERIAL OR COLORS CLEAN AND SHARP WITH NO OVERLAPPING.

29. CHANGE COLORS AT DOOR STOP CORNERS WHERE COLORS DIFFER BETWEEN ADJOINING SPACES OR ROOMS AND WHERE DOOR FRAMES MATCH WALL COLORS.

30. REFINISH WHOLE WALL WHERE PORTION OF FINISH HAS BEEN DAMAGED OR IS NOT ACCEPTABLE.

21. PAINT EXPOSED SIDES AND EDGES OF PLYWOOD BACKBOARDS FOR ELECTRICAL & TELEPHONE EQUIPMENT BEFORE INSTALLING EQUIPMENT.

31. SAMPLES OF ALL FINISH COLORS SPECIFIED SHALL BE SUBMITTED FOR APPROVAL TO COR PRIOR TO THE COMMENCEMENT OF WORK

32. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE FINISHED APPEARANCE AND SATISFACTORY COMPLETION OF HIS WORK, AND THEREFORE, HE SHALL NOT COMMENCE ANY PAINTING UNTIL SURFACES TO BE FINISHED ARE IN PROPER CONDITION IN EVERY RESPECT.

33. CONFORM TO APPLICABLE STATE, COUNTY, AND CITY CODES FOR FLAME/FUEL/SMOKE RATING REQUIREMENTS FOR FINISHES.

INSTALLATION TOLERANCES

1. VARIATION FROM PLUMB: FOR VERTICAL JOINTS, EXTERNAL CORNERS, AND OTHER CONSPICUOUS LINES,DO NOT EXCEED 1/8 INCH IN 8 FEET.

2. VARIATION IN LEVEL: FOR HORIZONTAL JOINTS AND OTHER CONSPICUOUS LINES, DO NOT EXCEED $\frac{1}{4}$ INCH IN 20 FEET, OR 1/2 INCH MAXIMUM.

3. VARIATION IN SURFACE PLANE OF FLOORING: DO NOT EXCEED 1/8 INCH IN 10 FEET FROM LEVEL OR SLOPE INDICATED WHEN TESTED WITH A 10-FOOT STRAIGHT EDGE.

4. VARIATION IN PLANE BETWEEN ADJACENT UNITS (LIPPING): DO NOT EXCEED 1/64 INCH BETWEEN FACES OF ADJACENT UNITS AS MEASURED FROM A STRAIGHT EDGE PARALLEL TO TILED SURFACE.

5. VARIATION IN JOINT WIDTH: DO NOT VARY JOINT THICKNESS MORE THAN 1/16 INCH OR ONE-FOURTH OF NOMINAL JOINT WIDTH, WHICHEVER IS LESS.

6. REMOVE AND REPLACE MATERIAL THAT IS STAINED OR OTHERWISE DAMAGED OR THAT DOES NOT MATCH ADJOINING TILE. PROVIDE NEW MATCHING UNITS, INSTALLED AS SPECIFIED AND IN A MANNER TO ELIMINATE EVIDENCE OF REPLACEMENT.

FINAL CLEANING

- PROVIDE FINAL CLEANING OF THE WORK, AT TIME INDICATED, CONSISTING OF CLEANING EACH SURFACE OR UNIT OF WORK TO NORMAL "CLEAN" CONDITIONS EXPECT FOR A FIRST CLASS BUILDING CLEANING MAINTENANCE PROGRAM. THE FOLLOWING ARE EXAMPLES, BUT NOT IN ANY WAY A LIMITATION, OF CLEANING LEVELS REQUIRED:
- REMOVE LABELS WHICH ARE NOT REQUIRED AS PERMANENT LABELS.
- CLEAN TRANSPARENT MATERIALS, INCLUDING MIRRORS AND WINDOW/DOOR GLASS, TO A POLISHED CONDITIONS, REMOVING SUBSTANCES WHICH ARE NOTICEABLE AS VISION-OBSCURING MATERIALS.
- CLEAN EXPOSED EXTERIOR AND INTERIOR HARD-SURFACE FINISHES TO A DIRT-FREE CONDITION, FREE OF DUST, STAINS, FILMS AND SIMILAR NOTICEABLE DISTRACTING SUBSTANCES. RESTORE REFLECTIVE SURFACES TO ORIGINAL REFLECTIVE CONDITION.
- REMOVE DEBRIS AND SURFACE DUST FROM LIMITED-ACCESS SPACES INCLUDING PLENUMS, AND SIMILAR SPACES.
- VACUUM CLEAN CARPETED SURFACES AND SIMILAR SOFT SURFACES.
- CLEAN LIGHT FIXTURES, LAMPS AND DIFFUSERS SO AS TO FUNCTION WITH FULL EFFICIENCY.
- WIPE CLEAN ANY VENETIAN BLINDS OR OTHER WINDOW TREATMENTS.

ROOM FINISH SCHEDULE

CODE	TYPE		MATERIAL	MANUFACTURER	NUMBER	NAME	STYLE / COLOR	SIZE / APPLICATION	DESCRIPTION / REMARKS
P-1	PAINT	EXISTING WALLS & CEILING BULKHEAD / SOFFIT NEW WALLS & CEILING BULKHEAD / SOFFIT	AURA Interior Paint- EGGSHELL (524)	BENJAMIN MOORE OR SHERWIN WILLIAMS	HC- 93 **SW-6127**	CARRINGTON BEIGE IVOIRE		PRIMER (2) FINISH COATS / EGGSHELL	MILDEW RESISTANT PAINT AND PRIMER TOGETHER ZERO VOC, LOW ODOR
P-2	PAINT	EXISTING CASING & DOORS BASEBOARD, TRIM & CROWN MOLDING NEW CASING & DOORS BASEBOARD, TRIM & CROWN MOLDING	ADVANCE Interior Paint- PRIMER (790) ADVANCE Interior Paint-GLOSS (793)	BENJAMIN MOORE OR SHERWIN WILLIAMS	OC-17 **SW-7005**	PURE WHITE PURE WHITE		PRIMER + (2) FINISH COATS	SAND BETWEEN COATS
SDT-1	STATIC DISSIPATIVE TILE							12" x 12" x 1/8"	• FULL SPREAD ADHESIVES • S-202 STATIC DISSIPATIVE TILE ADHESIVE REQUIRED • ARMSTRONG S-392 STATIC DISSIPATIVE POLISH REQUIRED

MERIDIEN GROUP

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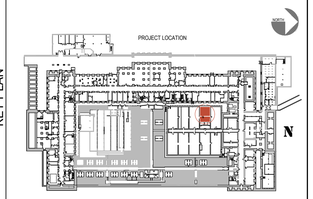
CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED
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CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

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CITY/ST./ZIP	WASHINGTON, DC
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CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-601
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 13 OF 20

DOOR SCHEDULE

NO.	ROOM	OPENING SIZE (R.O.)	WALL THICKNESS	FRAME							LEAF						FIRE RATED ASSEMBLY	STC RATED ASSEMBLY	HARDWARE	CARD READER
				TYPE	H	W	T	JAMBS / HEAD	MATERIAL	FINISH	TYPE	H	W	T	MATERIAL	FINISH				
VAULT 9	LAN ROOM / VESTIBULE	47" x 7'-3 " (87")	6 1/8"	F-1	86"	48"	7 1/8"	2"	H.M.	P-2	A	7'-0" (84")	44"	1 3/4"	H.M.	P-2	1 HR	STC-50	TYPE 1	YES
VAULT 8	OPEN OFFICE / VESTIBULE	47" x 6'-11 " (83")	6 1/8"	F-2	82"	48"	7 1/8"	2"	H.M.	P-2	B	6'-8" (80")	44"	1 3/4"	H.M.	P-2	NO	STC-50	TYPE 2	YES

NOTES

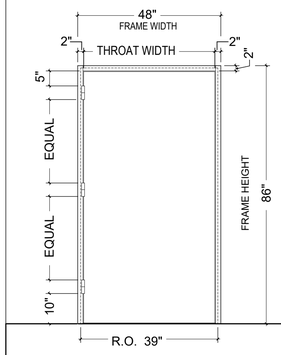
1. FACTORY PRIMED
3. FRAMES FOR STC-50 ASSEMBLIES MUST BE FACTORY ASSEMBLED AND WELDED
5. ALTERNATE DOOR LEAF: SOLID CORE (ACOUSTIC CORE) WOOD CLAD. SEE A-502 DOOR TYPE B

2. ADJUST R.O. FOR STC-50 ASSEMBLIES AS PER SELECTED MANUFACTURER RECOMMENDATIONS
4. IT IS RECOMMENDED THAT STC-50 DOOR INSTALLATION IS PERFORMED BY MANUFACTURER REPRESENTATIVE

DOOR ASSEMBLY ELEVATIONS

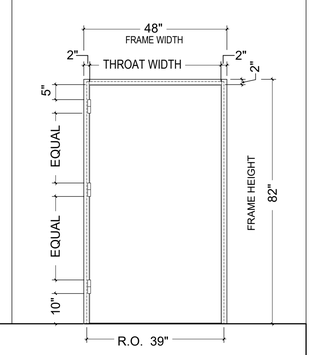
FRAME TYPE F-1 |
STC-50 LEVEL 4 | 1 HR FIRE RATED

HOLLOW METAL FRAME TO USE W/ HOLLOW METAL LEAVES



FRAME TYPE F-2 |
STC-50 LEVEL 4

HOLLOW METAL FRAME TO USE W/ HOLLOW METAL LEAVES



1. SOUND RETARDANT METAL FRAMES SHALL BE 14 GA. MIN. WELDED UNITS WITH INTEGRAL TRIM AND SHIPPED WITH TEMPORARY SPREADER. ALTERNATE SPLIT FRAMES ARE ACCEPTABLE PROVIDING THEY MEET THE CHARACTERISTICS DESCRIBED ABOVE
2. FORM FRAME MEMBERS STRAIGHT, AND OF UNIFORM PROFILE THROUGH LENGTHS, AS WELDED UNITS WITH INTEGRAL TRIM, OF SIZES AND PROFILES INDICATED. WELD CONTACT EDGES OF JOINTS CLOSED TIGHT. MITER PERIMETER TRIM FACES AND WELD CONTINUOUSLY.
3. MORTISE, REINFORCE, DRILL, & TAP FRAMES AT FACTORY FOR FULLY TEMPLATED MORTISED HARDWARE ONLY IN ACCORDANCE W/ ARCHITECT-APPROVED SHOP DRAWINGS AND SUPPLIED TEMPLATES.
4. PROVIDE REINFORCING PLATES AT SURFACE-MOUNTED OR NON-TEMPLATED HARDWARE LOCATIONS.
4. FLOOR ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL; MINIMUM 14 GA. WELD ANCHORS INSIDE EACH JAMB FOR FLOOR ANCHORAGE.
5. JAMB ANCHORS TO BE FABRICATED OF SAME MATERIAL AS FRAME MATERIAL. WELD ANCHORS INSIDE EACH JAMB FOR WALL ANCHORAGE.
6. FOR INSTALLATION IN STUD PARTITIONS PROVIDE A CONTINUOUS 16 GA STEEL CHANNEL TO SURROUND STUD, WELDED INSIDE EACH JAMB.
7. THE FRAME MUST HAVE ALL VOIDS IN THE HEAD AND JAMBS PACKED W/ 6 TO 12 LB DENSITY MINERAL WOOL
8. ALL VOIDS BETWEEN WALL AND FRAME MUST BE CONTINUOUSLY CAULKED.
9. FRAME SHOULD HAVE ADJUSTABLE COMPRESSION SEALS AT HEAD AND JAMBS AS NEEDED.
10. AFTER FABRICATION OF FRAMES, ALL TOOL MARKS AND SURFACE IMPERFECTIONS SHALL BE REMOVED AND EXPOSED FACES OF ALL WELDED JOINTS DRESSED SMOOTH. CHEMICALLY TREAT ALL SURFACES TO INSURE MAXIMUM PAINT ADHESION

ACCEPTABLE MATERIALS AND ALTERNATES

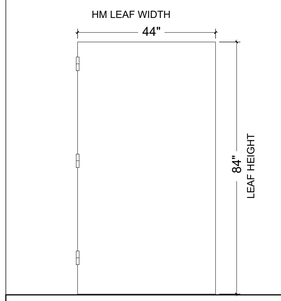
A. STEEL SHEET: ONE OF THE FOLLOWING:

1. COLD-ROLLED STEEL SHEET CONFORMING TO ASTM A 1008, COMMERCIAL QUALITY.
2. HOT-ROLLED STEEL SHEET CONFORMING TO ASTM A 569, PICKLED AND OILED, COMMERCIAL QUALITY.
3. CONDUCTIVE STAINLESS REQUIRED FOR RF. DO NOT PAINT PERIMETER CONTACT AREA. LEVEL, COLD ROLLED SHEET STEEL CONFORMING TO ASTM A 240, COMMERCIAL QUALITY.

B. GALVANIZED STEEL SHEET: ASTM A 653/A 653M, COMMERCIAL QUALITY, MINIMUM A60 ZINC COATING.

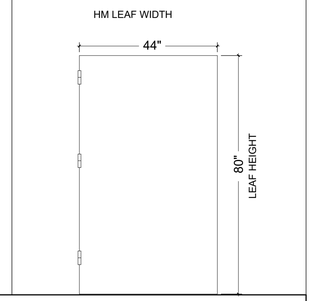
LEAF TYPE A |
STC-50 LEVEL 4 | 1 HR FIRE RATED

HOLLOW METAL FRAME TO USE W/ HOLLOW METAL LEAVES



LEAF TYPE B |
STC-50 LEVEL 4

HOLLOW METAL FRAME TO USE W/ HOLLOW METAL LEAVES



1. HOLLOW METAL DOOR 1-3/4" THICK. DOOR MATERIAL SHALL BE 14GA COLD-ROLLED STAINLESS STEEL SKIN W/ RADIO FREQUENCY AND ACOUSTICAL CORE.
2. HORIZONTAL EDGES: CLOSE TOP AND BOTTOM EDGES OF DOORS W/ CONTINUOUS STEEL CHANNELS, 16 GA. MINIMUM; SPOT-WELD CHANNELS TO BOTH DOOR FACES. PROVIDE ADDITIONAL FLUSH CLOSING CHANNEL AT TOP EDGE OF DOORS; SPOT-WELD CHANNEL TO BOTH DOOR FACES.
3. MORTISE, REINFORCE, DRILL, AND TAP DOORS AT FACTORY FOR FULLY TEMPLATED MORTISED HARDWARE ONLY, IN ACCORDANCE W/ APPROVED HARDWARE SCHEDULE & SUPPLIED TEMPLATES.
4. PROVIDE REINFORCING PLATES AT SURFACE-MOUNTED OR NON-TEMPLATED HARDWARE LOCATIONS
5. TOP AND BOTTOM CHANNELS: INVERTED, RECESSED, WELDED STEEL CHANNELS
6. INSTALL AN AUTOMATIC DOOR BOTTOM SEAL. DOOR BOTTOM: MORTISED ADJUSTABLE UNIT DESIGNED FOR CAM LIFT HINGE OPERATION
7. FACTORY INSTALLED HARDWARE: CAM-LIFT HINGES, MORTISE LOCK/EXIT DEVICE E
8. MAXIMUM DEVIATION FROM SQUARE, ALIGNMENT, TWIST AND PLUMB: +/- 1/32"
9. ALL TOOL MARKS AND SURFACE IMPERFECTIONS SHALL BE REMOVED AND EXPOSED FACES OF ALL WELDED JOINTS SHALL BE DRESSED SMOOTH.
10. ASSEMBLY SHALL BE TREATED AND COATED ON ALL ACCESSIBLE SURFACES W/ A RUST- INHIBITIVE PRIMER WHICH MEETS ASTM B117 SALT SPRAY FOR 150 HOURS, AND ASTM D1735 WATER FOG TEST FOR ORGANIC COATINGS FOR 200 HOURS. PRIMER SHALL COVER ALL SURFACES, EXCEPT RF CONTACT POINTS, WITHOUT RUNS, SMEARS OR BARE SPOTS.

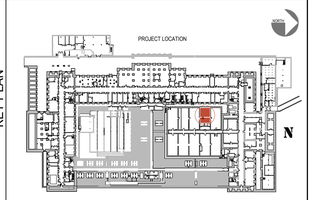
MERIDIEN GROUP

MERIDIEN GROUP, LLC
208 SOUTH KING ST. SUITE 303
LEESBURG, VA 20175
(703) 777-8285
www.meridiengroupllc.com

CITADEL DCA
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS

A/E CON. NO.	CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER	
BUILDING NOs.	
FACILITY CODE	

PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

DRAWING TITLE	DOOR ASSEMBLY SCHEDULE + ELEVATIONS
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-602
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 15 OF 20

HARDWARE SCHEDULE

HARDWARE SET TYPE 1			
	DESCRIPTION	FINISH / COLOR	MANUFACTURER
HINGES 1 1/2 PAIR	CAM-LIFT 41/2 x 4 1/2 SOS-CL-500	US 26D	
ELECTRIFIED MORTISE LOCKSET	ELECTRIFIED ML 20900 ML 20906 x SEC (FAIL SECURE)		CORBIN RUSSWIN
LEVER SET	ELECTRIFIED ML 20900 CITATION (CSB/CSF)	US 26D	CORBIN RUSSWIN
STRIKE	ELECTRIFIED	US 26D	CORBIN RUSSWIN
SECURITY LOCK	CDX-10		KABA MAS
EXIT DEVICE	98 / 99 - SERIES FIRE EXIT DEVICE / ABA COMPLIANT		VON DUPRIN
POWER TRANSFER	CEPT-10		
CYLINDER CORE & IC CORE HOUSING	LARGE FORMAT IC CORE (TREASURY SPEC)	US 26D	MEDECO
BALANCED MAGNETIC SWITCH	HSS-L2D-000 BALANCED MAGNETIC SWITCH		MAGNASPHERE
CARD READER	EXISTING		
CLOSER (PUSH SIDE)	8916 AF89P		DORMA
SILENCERS	608	GRAY	ROCKWOOD
DOOR STOP	441 H SOLID CAST BRASS W/ RUBBER BUMPER	US 26 / 626	ROCKWOOD
THRESHOLD	S105	ALUMINUM	REESE

HARDWARE SET TYPE 2			
	DESCRIPTION	FINISH / COLOR	MANUFACTURER
HINGES 1 1/2 PAIR	CAM-LIFT 41/2 x 4 1/2 SOS-CL-500	US 26D	
ELECTRIFIED MORTISE LOCKSET	ELECTRIFIED ML 20900 ML 20906 x SEC (FAIL SECURE)		CORBIN RUSSWIN
LEVER SET	ELECTRIFIED ML 20900 CITATION (CSB/CSF)	US 26D	CORBIN RUSSWIN
STRIKE	ELECTRIFIED	US 26D	CORBIN RUSSWIN
EXIT DEVICE	98 / 99 - SERIES FIRE EXIT DEVICE / ABA COMPLIANT		VON DUPRIN
POWER TRANSFER	CEPT-10		
CYLINDER CORE & IC CORE HOUSING	LARGE FORMAT IC CORE (TREASURY SPEC)	US 26D	MEDECO
BALANCED MAGNETIC SWITCH	HSS-L2D-000 BALANCED MAGNETIC SWITCH		MAGNASPHERE
CARD READER	EXISTING		
CLOSER (PUSH SIDE)	8916 AF89P		DORMA
SILENCERS	608	GRAY	ROCKWOOD
DOOR STOP	441 H SOLID CAST BRASS W/ RUBBER BUMPER	US 26 / 626	ROCKWOOD
THRESHOLD	S105	ALUMINUM	REESE

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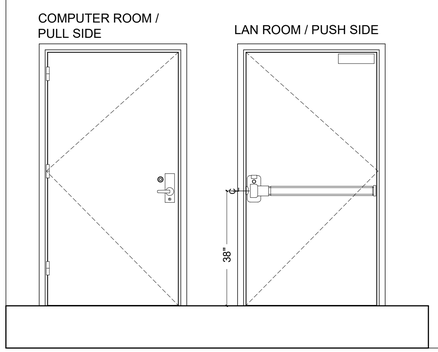
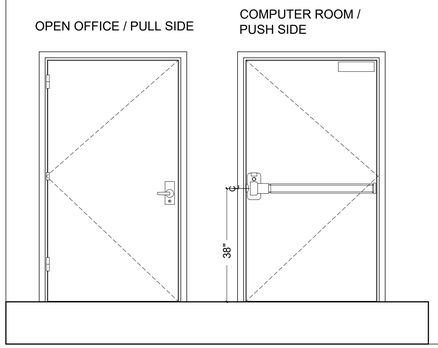


1. HARDWARE TO CONFORM TO THE REQUIREMENTS OF FEDERAL SPECIFICATION FF-L-2740B
2. ELECTRONIC ACCESS CONTROL W/ KEY BYPASS
3. CDX 10 HIGH SECURITY LOCK MEETING THE REQUIREMENTS OF FEDERAL SPECIFICATION FF-L-2890C, TYPE VI.
4. SINGLE MOTION EGRESS WITH A PANIC BAR
5. CORBIN RUSSWIN MORTISED / ELECTRIFIED LOCKSET | ENTRANCE / OFFICE TYPE
6. ANSI NO. F01
7. FINISH US 3 - ANSI / BHMA 605 BRIGHT BRASS
8. HARDWARE SET TO FAIL SECURE
9. DOOR BOTTOM: SEMI-MORTISED ADJUSTABLE UNIT DESIGNED FOR CAM LIFT HINGE OPERATION
10. ELECTRIFIED STRIKE
11. 1 1/2 PAIR OF HINGES
12. CLOSER: GRADE 1, HEAVY DUTY, SURFACE MOUNT
13. THRESHOLD: 5/16" ABA COMPLIANT

ENTRANCE / OFFICE TYPE

1. OUTSIDE LEVER CONTINUOUSLY UNLOCKED BY 12V OR24V DC
2. LATCHBOLT RETRACTED BY LEVER/KNOB INSIDE OR KEY OUTSIDE
3. AUXILIARY LATCH DEADLOCKS LATCH-BOLT WHEN DOOR IS CLOSED
4. INSIDE LEVER ALWAYS FREE FOR IMMEDIATE EGRESS SWITCH OR POWER FAILURE LOCKS OUTSIDE LEVER

HARDWARE SET TYPE 2



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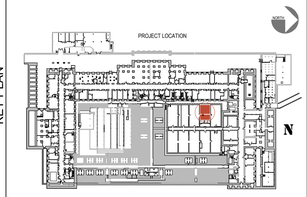

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	CITY/ST./ZIP	WASHINGTON, DC
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	PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
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	PROJECT NO.	V9_26_003
	GSA PM	BARBARA CHOATE
	SUBMISSION	100% - REV SUBMISSION FOR REVIEW
	SUB. DATE	06 JUNE 2026

DRAWING		
	DRAWING TITLE	HARDWARE SCHEDULE + ELEVATIONS
	FILE NAME	
	FLOOR NO.	BASEMENT
	DRAWN BY	AGF DATE DRAFTED: 04/01/2026
	CHECKED BY	LSP SHEET SIZE: 24 x 36
	DRAWING NO.	A-603
		DISCIPLINE SHEET TYPE SEQUENCE
		SHEET 16 OF 20

DOOR & SECURITY HARDWARE COMPONENTS

DOOR FRAME & LEAF

OVERLY DOOR COMPANY

PRODUCT DETAILS

5012016

SINGLE SWINGING FLUSH METAL DOOR

TYPE: ACOUSTICAL

Perimeter Seal:	Single Magnetic Gasket
Bottom Seal:	Super "H" Door Bottom
Door Thickness:	1.875" / 47.625mm
Min Frame Depth:	4.75" / 120.65mm
Max Leaf Size:	48"x96"
STC Rating:	50
Max Fire Rating:	1-1/2 hr

Transmission Loss in dB/Hertz - 1/3 Octave Bands

100	125	160	200	250	315	400	500	630	800	1000	1250	1600
29	32	36	37	41	45	47	48	50	50	52	53	54

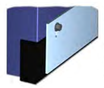
2000	2500	3150	4000	5000
53	50	51	52	53

ISOLATED EDGE CONSTRUCTION

This door uses an Isolated Edge construction, which separates the two outer door skins from each other. A strip of neoprene is installed between the two door skins, reducing the amount of sound transmission through the actual steel faces. The seal is notched between the hinge and lock cutouts and does not interfere with hardware cuts.

SINGLE MAGNETIC PERIMETER SEALS

This door is equipped with a single Magnetic door sealing system. It consists of a single magnetic perimeter seal. Magnetic seals allow the use of a wide range of electrical hardware, such as electric locks and strikes. Due to their zero preload against the door leaf, the sensitive electronics are not compromised.



SUPER "H" DOOR BOTTOM

Overly's super "H" door bottom is the only choice for unbeatable sound control. Always used in conjunction with our cam-lift hinges, this door bottom compresses tightly against the floor. We recommend smooth level sealing surfaces for this door bottom. Uneven or abrasive flooring may prematurely wear the door bottom. A smooth raised threshold is recommended when using this door bottom.

COMBINATION LOCK

X0 Series - X-10/CDX-10

CDX-10 Specifications

CDX-10 High Security Lock - Pedestrian Door Deadbolts

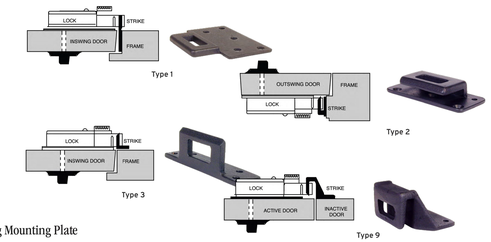
The Kaba Mas CDX-10 consists of an X-10 high security style 1 lock, Federal Specification FF-L-2740B, mounted on a deadbolt base plate. The base plate is surface-mounted to the inside face of the door. The deadbolt base plate has two essential features:

First, it provides a means of latching the bolt in the retracted position. This prevents the bolt from being inadvertently extended.

Second, turning the knob on the base plate will retract the bolt to allow egress.

The CDX-10has been approved by the General Services Administration (GSA) meeting the requirements of Federal Specification FF-L-2890C, Type VI.

Strikes



Dial Ring Mounting Plate

Non Drill-Resistant: Class N

For a complete list of CDX-10 options, part numbers and accessories, please refer to our List Price Book

5

Kaba Mas X-10 Specifications

HARDWARE SPECIFICATIONS

- **Power:** Internal, self-powered by Rotational electromechanical PowerStar™ technology.

COMBINATIONS — 3 MODES:

- **Single:** 1 million combinations
- **Dual:** 500 billion combinations
- **Supervisor/Subordinate:** 2 million combinations

- **Direct Dial:** No need to clear before entering combination. Once you stop turning the dial, the power will shut down after 40 seconds.
- **Memory:** Non-volatile
- **LCD (Backlit):** Limited View Backlit Liquid Crystal Display with visual controls makes dialing easy and exact.
- **Combination Changes:** (LCD indicator in change key mode.) Combination changed with correct combination or serial number.
- **Random Number View:** True Scramble
- **Daylocking:** No
- **Back Dialing:** No
- **Lock Reset:** Automatic when bolt is thrown or 40 seconds after turning has stopped.
- **Manipulation:** Fail secure against high-voltage attack, robot attack, X-ray methods, magnetic, vibration, and R/F.
- **Audit:** The X-10 records all openings, and the record is non-resettable. The X-10 records unsuccessful attempts after 3 incorrect combination attempts and resets after a correct opening.
- **Wrong Try Penalty:** 10-14 errors results in a 3 minute time out. 15 errors or greater results in a 4 minute time out. Both error count and penalty time resets with valid combination.

ENVIRONMENTAL PERFORMANCE (Per FF-L-2740B)

- **Temperature:** Tested -10°F to 155°F Operational Range.
- **Salt Spray:** Operational After 72 hours of continuous exposure (per UL 768 Salt Spray Conversion Test).
- **Cycle Test:** Meets or exceeds FF-L-2740B specifications.
- **Humidity:** Operational after 10 days of 140°F @ 98% humidity (Operational after 10 days testing per MIL-STD-810E, Method 507.3, Procedure III, Temperature Cycling 86°F to 140°F @ 98% RH)
- **Stress:** Operational after 7 days in a stress chamber @ 194°F (per UL 768 Aging Stress Distortion Test).
- **Vibration:** MIL-STD-810
- **Shock:** MIL-STD-901
- **Electrical Discharge:** 250KV on Dial
- **Electromagnetic Pulse**: Meets FF-L-2740B specification for simulation of high altitude nuclear blast.
- **Case & Bolt Strength:** 600 pounds in two directions.

National Stock Numbers (NSN)	X-10	CDX-10
Defense Logistics Agency (DLA)	5340-01-625-9551	5340-01-626-0087
General Services Agency (GSA)	5340-01-613-2078	N/A

EPT

Securitron® CEPT Concealed Electrical Power Transfer

ASSA ABLOY Opening Solutions

Experience a safer and more open world

The heavy-duty, tamper-resistant Concealed Electrical Power Transfer (CEPT) securely transfers power and data from the hinge side of the frame to electrified hardware on the door.

Aesthetically Pleasing

- Concealed wiring pathway when mortised into door and frame above second hinge
- Available in four architectural finishes
- Direct replacement for competitive product with the same prep

Tested for Durability

- ANSI/SDI-BHMA A250.13 (+/- 150 psi) Windstorm Listed and Florida Building Code Approved
- ANSI/UL 10C Listed, 3 hour rated and ULC-S318 Listed, 3 hour rated
- Tested to 1,000,000 cycles

Robust Design

- All stainless steel construction - no plastic parts
- Tamper resistant with no exposed openings to allow foreign objects to reach wires or jam the device

LIFE MagnaCare Warranty · Fire Rated · Windstorm Resistant

Secure | Concealed | Durable

Specifications

Certifications

- ANSI/UL 10C Listed, 3 hour rated
- ULC-S318 Listed, 3 hour rated
- ANSI/SDI-BHMA A250.13 (+/- 150 psi) Windstorm Listed
- Florida Building Code Approved

Dimensions

- **CEPT Housing:** 9-1/16"L x 1-3/16"W x 1-7/16"D [230.2mm L x 30.12mm W x 36.52mm D]

Shipping Weight

- 2.40 lbs [1.09kg]

Features

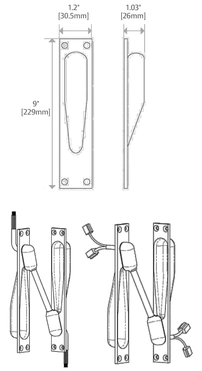
Standard Features

- Mortises into the edges of the door and frame
- Direct retrofit for competitor products
- Tamper resistant
- All metal construction including back boxes
- 7/8" [22.25mm] knockouts on back boxes accommodate EMF-type fittings
- Tested to 1 million cycles
- Compatible with butt hinges up to 6" [152.4mm] and continuous hinges with cutout
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- CEPT-10 includes 8–22 AWG wires plus 2–18 AWG wires for higher current devices
- CEPT-C5E includes CAT5E compatible with 8-24 AWG wires, 1–22 AWG wire, conductor, Molex connectors
- EL-CEPT is Electrolynx® compatible with 12-22 AWG wires, Electrolynx connectors

Dimensions



Technical note

- Not for use with center hung or balanced doors, pocket or offset pivots or swing clear hinges.
- Door swing ranges when installed with butt hinges are:

Hinge Size Door	Swing Range
5" [127mm] or less	up to 180
5-1/2" [139.7mm]	up to 130
6" [152.4mm] Butt Hinge	up to 110

How to Order

Wire Connectors	Shape	Number of Wires	Finish
EL	– CEPT	– C5E	– 10B
(blank) No Connectors	**CEPT** Concealed	**(blank)** 12 Wires	**(blank)** 630 Satin Stainless finish
EL Electrolynx Connectors		**10** 10 Wires	**04** 606 Satin Brass finish
		C5E 9 Wires	**10** 612 Satin Bronze finish
			10B 613 Oil Rubbed Bronze finish

ELECTRONIC SECURITY HARDWARE HES | Securitron

assaabloyeshi.com

800 626 7590 | 10027 S. 51st Street, Ste. 102 Phoenix, AZ 85044 USA

Patent pending and/or patent: www.assaabloydis.com/patents
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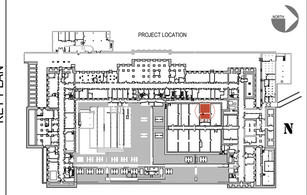
CERTIFICATIONS

KEY PLAN



REVISION NOTES

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GRAPHIC SCALE

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CONTRACTORS

A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING

NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER	
BUILDING NOs.	
FACILITY CODE	

PROJECT

PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING

DRAWING TITLE	DOOR COMPONENTS BOD
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-701
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 17 OF 20

DOOR HARDWARE

Corbin Russwin / ASSA ABLOY

Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

Citation

- Brass, bronze or stainless steel
- Laser engraving option
  (See Custom Laser Engraving brochure)

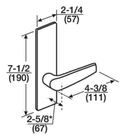
Corbin Russwin / ASSA ABLOY

Trim Designs

ML2000, ML20900 ECL and ML20600 NAC Series

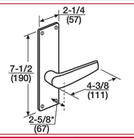
CSM

Lever: Cast
Escutcheon: Wrought
Optional:
- Plug only to show; master ring
- Laser engraving on lever or escutcheon



CSN

Lever: Cast
Escutcheon: Wrought
Optional: Laser engraving on lever



Corbin Russwin / ASSA ABLOY

Functions

ML2000 Series

Outside	Inside	Function (ANSI No.)	Type	Function Description
A02		ML2053	Entrance or Office	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key or thumbturn. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01		ML2054 (P04)	Entrance or Office	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Multi-function capable, see page 10 for more info.
A02		ML2055 (F05)	Classroom	• Latchbolt by grip either side, unless outside grip is locked by key outside • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Outside grip remains locked unless unlocked by key. Note: Not available with indicator, specify ML2003.

Indicator options available for both sectional and escutcheon trim.
Cylinder cam required.
Indicates rigid grip.
*When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

Options and Accessories

ML2000 Series, ML20900 ECL and ML20600 NAC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

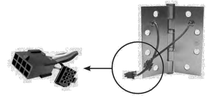
With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:
- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.



Overview

ML20900 ECL Series

ML20900 ECL Series
Electrified Mortise Lockset

Simplicity
Combine simplicity and access control with the Corbin Russwin ML20900 ECL series electrically controlled mortise lock. Utilizing the proven ML2000 Series mortise lockset with the patented quick reversible latchbolt, the ML20900 series provides remote locking and unlocking. The electrified lock can be installed in a standard mortise prep with slight modification by door manufacturer. The ML20900 ECL is ideal for use where increased security is necessary at all times, such as tenant space, pharmacies, computer rooms, and high security areas.

Security
In applications where increased security is required, look no further than the ML2000VR Vandal Resistant Trim. This cast stainless steel trim features tapered edges, double through bolts, torx-pin tamper resistant screws and the lever remains attached to the escutcheon when the spindle is broken.

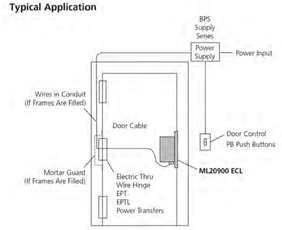
Aesthetics
Access control doesn't mean a loss of visual appeal. The Vineyard™ Collection and the Muséo® Collection feature beautifully designed levers, perfect for high-profile applications where pleasing aesthetics is a must.

Additional Features
- Mechanical key override
- Patented Quick Reversible latchbolt (Patent pending and/or patent www.assaabloydss.com/patents.)

Featuring EcoFlex®:
- Reduces energy consumption up to 96%, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

Note: EcoFlex® is not available with master ring cylinders. Solenoid provided.

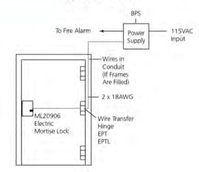
Typical Application



Typical System Components (For Reference Only)

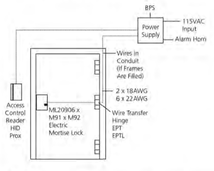
ML20900 ECL Series

Tower Stairwell



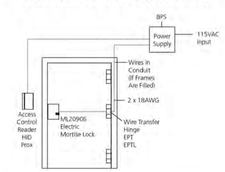
Operation:
Free egress at all times. Door is locked at all times preventing entry from the stairwell to a floor. Fire alarm activation will allow re-entry from the stairwell to the floor. Power failure will allow re-entry from the stairwell to the floor.

Controlled Entry With Alarm



Operation:
Free egress at all times. User exits through the door which triggers the M92 switch which shunts the alarm. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card. Forced entry will trigger M91 switch and activate alarm. Alarm is deactivated by a valid user card.

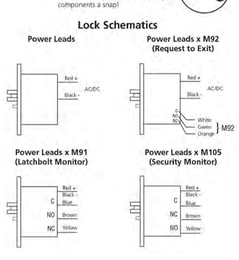
Access Control on Employee Entrance



Operation:
Free egress at all times. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card.

ElectroLynx®, a system of universal Molex® plug-in connectors and standardized color-coded wiring, makes installing electrified doorway components a snap!

Lock Schematics



finish options

Color	Bright brass	Satin brass	Antique bronze	Satin bronze	Oil rubbed bronze	Satin nickel	Matte black	Bright chrome	Satin chrome	Bright stainless steel	Satin stainless steel	Aged bronze
ANSI/BHMA	605	606	609	612	613	619	622	625	626/ 626AM	629	630/ 630AM	643e
US	US3	US4	US5	US10	US10B	US15	US19	US26	US26D	US32	US32D	US11

EXIT / PANIC DEVICE

Device types

9875-F/9975-F Mortise lock fire exit device

9875-F/9975-F Fire exit mortise lock devices are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL listed fire exit hardware label and door opening size information. Fits door stiles as narrow as 4 ½" (121mm). The 9875-F device has a smooth mechanism case and the 9975-F device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator) or SS (signal switch) devices.

The 7500 Mortise lock is equipped with ¾" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Specifications

Device functions	Device ships setup for EO/DT/NL functions. Instructions show how to set up the device in the field for use with TP, K, and L classroom function trims.
Device lengths	3' 2"± to 3' (771mm to 914mm) Door size 4' 2"10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 ⅛" (1006mm)
Center case	8" x 2 ½" x 2 ⅛" (203mm x 70mm x 60mm)
Mechanism case	2 ¼" x 2 ½" (57mm x 57mm)
Projection	Pushbar neutral – 3 ⅞" (97mm) Pushbar depressed – 3 ⅛" (78mm)
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 ¼" (44mm) and 2 ¼" (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 and 825 SNB required on wood doors without SLM blocking. (See page 66 for quantities)

Features and options

Electrified options

RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option
No mechanical dogging;
QEL options available

Strikes
575 – Dull black

Accessories

7500 Mortise lock

575 Strike

THRESHOLD

Reese
WEATHERSTRIPS & THRESHOLDS
Guaranteed quality since 1918

Threshold

Saddle

S105

#10 x 1-1/2" wood screws provided.

Finishes:

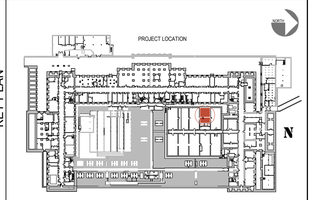
A - Aluminum Mill Finish
D - Dark Bronze Anodized Aluminum

MERIDIEN GROUP, LLC
208 SOUTH KING ST. SUITE 303
LEESBURG, VA 20175
(703) 777-8285
www.meridiengroupllc.com

DCA CITADEL
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN



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PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

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NAME	
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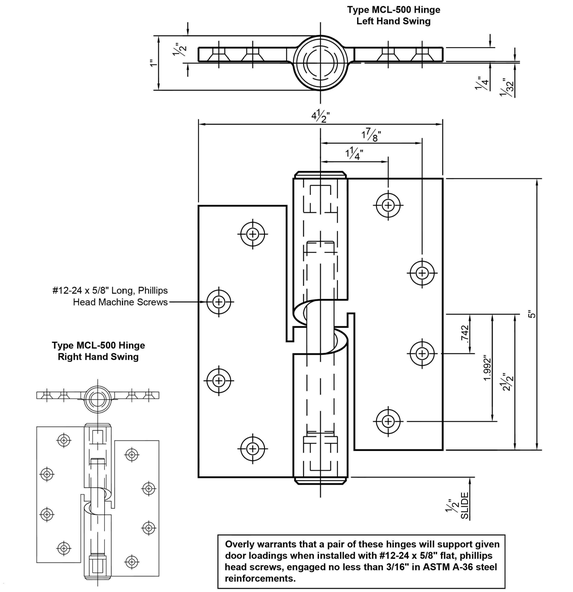
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF
DATE DRAFTED	04/01/2026
CHECKED BY	LSP
SHEET SIZE	24 x 36
DRAWING NO.	A-702
DISCIPLINE	
SHEET TYPE	
SEQUENCE	
SHEET	18 OF 20

MCL-500 Cam-Lift Hinge Template

OVERLY DOOR COMPANY
www.overly.com

Mortise Type



Dimensions are the same as shown above

Overly warrants that a pair of these hinges will support given door loadings when installed with #12-24 x 5/8" flat, phillips head screws, engaged no less than 3/16" in ASTM A-36 steel reinforcements.

Model MCL-500 Cam-Lift Hinges

Mortise Type

The Overly MCL-500 mortise-type cam-lift hinge was developed for use primarily with sound doors to improve sealing characteristics along the door bottom. They also have application where weather-stripping across a flush threshold is required.

Produced in two models, one for right and one for left swinging doors, it is a true template hinge, lifting the door 1/2" when the door is fully opened. The modest amount of lift permits problem-free use with doors equipped with overhead closers and electric door operators.

It is made of investment cast stainless steel and precision machined to accept a hardened pin.

Designed for doors weighing up to 500 pounds, the hinge has been cycled more than 1 million times with virtually no wear when supporting a 400 pound door.

The hinge pin is a hardened dowel inserted in sintered bronze oil impregnated bearing for long-life, low-friction service.

Specify hand when ordering.
Mounting Screws Supplied.

OVERLY DOOR COMPANY
574 West Otterman Street
Greensburg, PA • 15601
Toll Free: (800) 979-7300
Fax: (724) 830-2871
Email: overly@overly.com

ENGD-077 Rev#00 05/31/2004

8900 SERIES HEAVY-DUTY SURFACE CLOSERS

Versatile, durable, and reliable, featuring modern styling for institutional or high-traffic commercial applications.

DORMA'S 8900 Series, Grade 1 hydraulic surface closers are housed in corrosion-resistant aluminum with a hardened pinion/piston providing toughness and high-strength. The arm hub is made from forged steel.

Standard on the 8900 Series closers are backcheck positioning with two adjustment valves, adjustable spring sizes from 1–6. Independently certified to 10 million, the 8900 Series closers are ideal for a variety of heavy-duty, as well as barrier-free, applications.

CONTENTS

	Features and Specifications	4
	Ordering Guide	5
Technical Drawings	Regular × flat form arm	6
	Regular × friction hold open	7
	Regular × plunger hold open	7
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	Regular × spring stop IS arm	8
	Regular × flat form arm × backplate	9
	Regular × flat form arm × mortised jamb bracket	9
	Top jamb × flat form arm	10
	Top jamb × flat form arm × backplate	10
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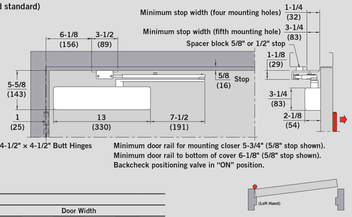
	Top jamb × friction hold open × backplate	11
	Top jamb × cushion IS arm × backplate	12
	Top jamb × spring stop IS arm	12
	Top jamb × flat form arm × angle bracket	13
	Parallel arm × flat form arm	13
	Parallel arm × friction hold open	14
	Parallel arm × plunger hold open	14
	Parallel arm × flat form arm × drop plate	15
	Parallel arm × flat form arm × mortised jamb bracket	15

PARALLEL ARM × FLAT FORM ARM

8916 AF89P

8956 AF89P
(P89 bracket furnished standard)



4-1/2" × 4-1/2" Butt Hinges

Minimum door rail for mounting closer 5-3/4" (5/8" stop shown).
Minimum door rail to bottom of cover 6-1/8" (5/8" stop shown).
Backcheck positioning valve in "ON" position.

Size Selection Chart

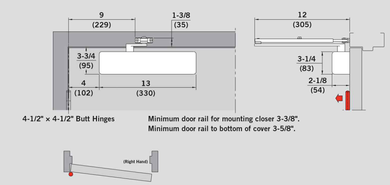
Closer	Interior/ Exterior	Door Width 2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.	4'-6" max.
8916	Interior	•	•	▵	▵	▵	N/A
	Exterior	•	•	•	•	N/A	N/A
8956	Interior	N/A	N/A	N/A	•	•	•
	Exterior	N/A	N/A	•	•	•	N/A

Maximum Opening	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
180°	60°–180°	180°–70°	24"

REGULAR × FLAT FORM ARM

8916 AF89

8956 AF89



4-1/2" × 4-1/2" Butt Hinges

Minimum door rail for mounting closer 3-3/8".
Minimum door rail to bottom of cover 3-5/8".

Size Selection Chart

Closer	Interior/ Exterior	Door Width 2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.	4'-6" max.	5'-0" max.
8916	Interior	•	•	▵	▵	▵	▵	N/A
	Exterior	•	•	•	•	•	N/A	N/A
8956	Interior	N/A	N/A	N/A	N/A	•	•	•
	Exterior	N/A	N/A	N/A	•	•	•	N/A

Maximum Opening	*Approximate Backcheck	Approximate Delayed Action
180°	65°–180°	180°–65°

* Backcheck positioning valve factory preset to on, advancing backcheck approximately 15°.

Architectural Door Accessories

ASSA ABLOY

The global leader in door opening solutions

Rockwood 441H - Cast Universal Dome Stop

Available Finishes:

- US3/605
- US4/606
- US10B/612
- US10B/613
- US10BL/613L
- US15/619
- US26/625
- US26D/626

SIZE:
Base: 0.1 7/8" x 2.3/4"
Height: 1.1/2"

WEIGHT:
3.2 lbs./10

ANSI A156.16:
L02141/ L02161

Specifications:

MATERIAL:
Solid Cast Brass with Rubber Bumper

FASTENERS:
#12 x 1 1/4" Flat Head Wood Screw, Plastic Anchor
#12-24 x 1" Flat Head Machine Screw, Anchor

FEATURES:
Low lip dome stop with height of high dome stop, eliminates the need to determine requirement for traditional low or high dome stop - one stop for all applications. Integral cast pin for added strength. Universal screw pack included for all floor conditions.

OPTIONS:
Exterior Pack screw packs; stainless steel plated to match - use EXP suffix (441H x EXP) when ordering

⚠WARNING
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

300 Main Street
Rockwood, Pennsylvania 15557
P: 800.458.2424 • F: 800.922.9212
www.assabloydooraccessories.us • orders.rockwood@assaabloy.com

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CS-441H 10/18

CUT SHEET

Rockwood 608-RKW Door Silencer

ROCKWOOD
ASSA ABLOY

Experience a safer and more open world

SPECIFICATIONS:

MATERIAL:
Rubber

OTHER:
Sold in packages of 100

AVAILABLE FINISHES:

- Gray (Standard)
- Black

Size:
1/2" x 5/8"

Weight:
1.3 lbs./500

Frame Type:
Metal

MERIDIEN GROUP

MERIDIEN GROUP, LLC
208 SOUTH KING ST. SUITE 303
LEESBURG, VA 20175
(703) 777-8285
www.meridiengroupllc.com

CITADEL DCA
ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

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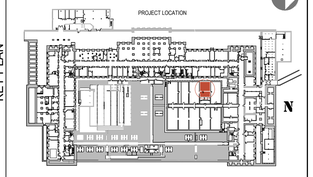

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DRAWING NO.	A-703
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 19 OF 20

1 2 3 4 5

D C B A

FRAMING COMPONENTS

HDS® Framing System

The HDS® Framing System is a high-performance, cost-effective, multipurpose, heavy-duty framing stud for headers, jambs, posts and built-up tube truss chords and webs. The superior strength and carrying capacity of the HDS Framing System means higher performance with fewer members. It means eliminating box beam headers, nesting track and stud for posts and jambs, and eliminating multi-member built-up truss chords and webs. It also means improved finish quality by eliminating excessive material and screw head buildup around doors and windows.

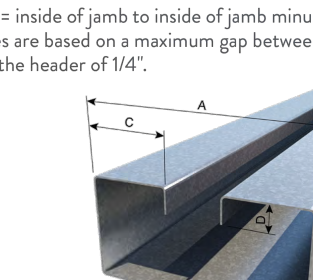
The HDSC header bracket is the perfect complement to the HDS Framing System. This simple, yet innovative header bracket turns curtain wall header installation from a two-person job into a one-person job. This unique, prepunched clip also eliminates surface head fastener buildup that can create finishing challenges.

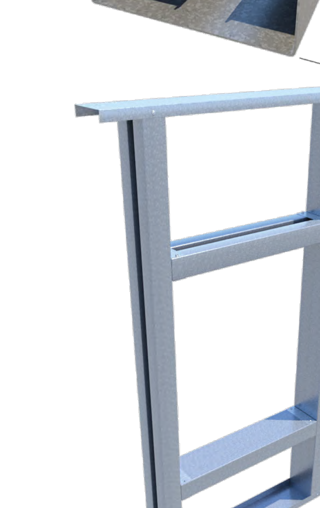
CONSTRUCTION ADVANTAGES:

- Outstanding bending strength in two directions.
- Reduces installation time by 50%.
- Eliminates box beam header assembly.
- Reduces material and labor costs up to 50%.
- HDS can be screw-attached from either side.
- Eliminates stud-to-track nesting for post, header and jamb studs.
- Openings up to 20' wide.
- Improves drywall finishing around doors and windows. No screw head buildup.
- Superior axial strength.

ORDERING INFORMATION:

- Pre-cut headers (4'-0" and over) available standard, based on minimum quantity orders.
- Minimum quantity orders of 30 headers required.
- HEADER LENGTHS SHOULD BE ORDERED 1/2" SHORTER THAN OPENING WIDTH TO FIT INSIDE CLIPS (header length = inside of jamb to inside of jamb minus 1/2") Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".





HDS® Profile Information

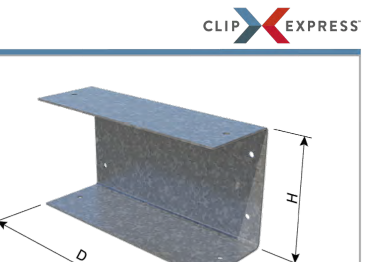
Product Code	Dimensions: Web Size (A)	Flange (B)	Return Lip (C)	Stiffening Lip (D)	Thickness: Mils (Gauge)	Design Thickness (in)	Fy (ksi)
362HDS300-33	3-5/8"	3.00"	1.0625"	0.75"	33 (20)	0.0346	33
362HDS300-43					43 (18)	0.0451	33
362HDS300-54					54 (16)	0.0566	50
362HDS300-68					68 (14)	0.0713	50
362HDS300-97					97 (12)	0.1017	50
400HDS300-33	4"	3.00"	1.0625"	0.75"	33 (20)	0.0346	33
400HDS300-43					43 (18)	0.0451	33
400HDS300-54					54 (16)	0.0566	50
400HDS300-68					68 (14)	0.0713	50
400HDS300-97					97 (12)	0.1017	50
600HDS300-33	6"	3.00"	2.250"	0.75"	33 (20)	0.0346	33
600HDS300-43					43 (18)	0.0451	33
600HDS300-54					54 (16)	0.0566	50
600HDS300-68					68 (14)	0.0713	50
600HDS300-97					97 (12)	0.1017	50
800HDS300-33	8"	3.00"	2.250"	0.75"	33 (20)	0.0346	33
800HDS300-43					43 (18)	0.0451	33
800HDS300-54					54 (16)	0.0566	50
800HDS300-68					68 (14)	0.0713	50
800HDS300-97					97 (12)	0.1017	50

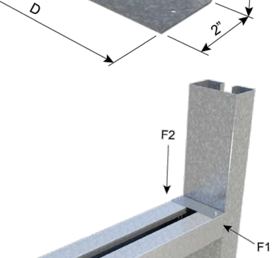
HDSC 97mil (12ga) Header Brackets (3" & 3-1/2" Flange)

CLIP EXPRESS

Product Code	Bracket Specs: Depth (D)	Height (H)	Framing Member Specs: Thickness Mils (Gauge)	Yield Strength, Fy (ksi)	Designed to Support
350HDSC300-97	3-1/2"	3"	97 (12)	50	3-5/8" RedHeader or HDS with 3" Flange
350HDSC350-97		3-1/2"			3-5/8" RedHeader with 3-1/2" Flange
387HDSC300-97	3-7/8"	3"	97 (12)	50	4" RedHeader or HDS with 3" Flange
387HDSC350-97		3-1/2"			4" RedHeader with 3-1/2" Flange
587HDSC300-97	5-7/8"	3"	97 (12)	50	6" RedHeader or HDS with 3" Flange
587HDSC350-97		3-1/2"			6" RedHeader with 3-1/2" Flange
787HDSC300-97	7-7/8"	3"	97 (12)	50	8" RedHeader or HDS with 3" Flange
787HDSC350-97		3-1/2"			8" RedHeader with 3-1/2" Flange

All material G90. Sold in pairs.





Allowable Loads (lbs) for 3" & 3-1/2" Flange Header Systems

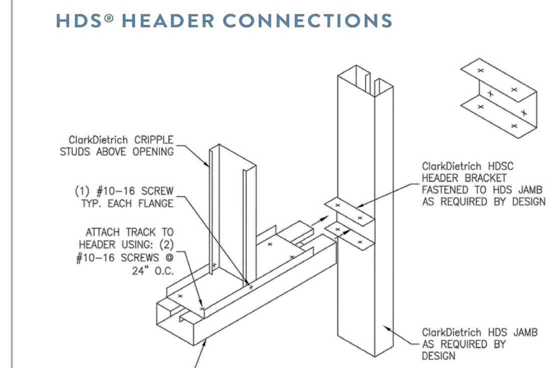
Product Code	Bracket Specs: Depth (D)	Height (H)	Framing Member Specs: Thickness Mils (Gauge)	Yield Strength, Fy (ksi)	Fasteners: Jamb	Header	F1 Load (Lateral): Nominal (lbs)	ASD Load (lbs)	LRFD Load (lbs)	F2 Load (Vertical): Nominal (lbs)	ASD Load (lbs)	LRFD Load (lbs)
350HDSC300-97	3-1/2"	3"	33 (20)	33	4 x #12	4 x #12	1435	735	1130	880	300	495
			43 (18)	33			2490	1120	1680	1375	470	865
			54 (16)	50			4025	1385	2215	2195	755	1410
			68 (14)	50			4340	1490	2390	3465	1190	2000
			97 (12)	50			6075	2090	3345	5610	1930	2380
350HDSC350-97	3-1/2"	3-1/2"	54 (16)	50	4 x #12	4 x #12	4080	1400	2245	2145	735	1545
			68 (14)	50			4265	1465	2350	3575	1230	2090
			97 (12)	50			6005	2065	3305	5385	1850	2405
387HDSC300-97	3-7/8"	3"	33 (20)	33	4 x #12	4 x #12	1405	720	1130	885	305	550
			43 (18)	33			2490	1120	1680	1375	470	865
			54 (16)	50			4105	1410	2260	2405	825	1455
			68 (14)	50			4105	1410	2260	3360	1155	1530
			97 (12)	50			6000	2065	3305	5840	2010	2560
387HDSC350-97	3-7/8"	3-1/2"	54 (16)	50	4 x #12	4 x #12	3975	1365	2185	2230	765	1620
			68 (14)	50			4195	1445	2310	3630	1250	2080
			97 (12)	50			6185	2130	3405	5500	1890	2455
587HDSC300-97	5-7/8"	3"	33 (20)	33	4 x #12	4 x #12	1370	700	1125	895	305	610
			43 (18)	33			2345	1120	1680	1400	480	820
			54 (16)	50			4340	1475	2390	2615	900	1500
			68 (14)	50			4340	1490	2390	3465	1190	2000
			97 (12)	50			5930	2040	3265	6065	2085	2740
587HDSC350-97	5-7/8"	3-1/2"	54 (16)	50	4 x #12	4 x #12	3870	1330	2130	2310	795	1690
			68 (14)	50			4195	1445	2310	3630	1250	2080
			97 (12)	50			6060	2085	3335	5840	2010	2400
787HDSC300-97	7-7/8"	3"	33 (20)	33	4 x #12	4 x #12	1370	700	1125	895	305	610
			43 (18)	33			2200	1120	1680	1420	485	770
			54 (16)	50			4125	1420	2270	2945	1015	1485
			68 (14)	50			4125	1420	2270	3685	1265	2070
			97 (12)	50			5770	1985	3175	6085	2090	2710
787HDSC350-97	7-7/8"	3-1/2"	54 (16)	50	4 x #12	4 x #12	4070	1400	2240	2625	905	1505
			68 (14)	50			4125	1420	2270	3685	1265	2070
			97 (12)	50			5935	2040	3265	6180	2125	2350

Notes:

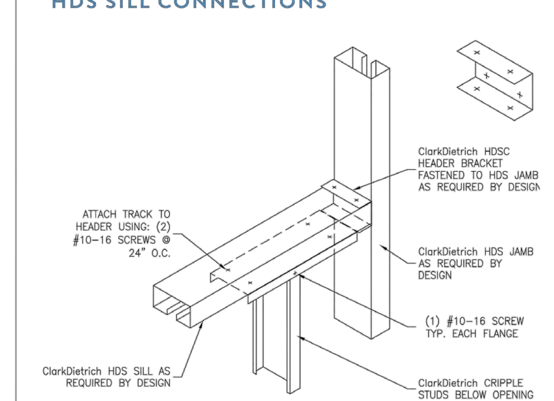
1 Listed Capacities were derived from calculations and structural tests in accordance with provisions of AISI S100 and ICC-ES AC261.
2 The safety factor for ASD loads and resistance factor for LRFD loads are calculated in accordance with Chapter K.
3 The capacity of a given HDSC connection is the minimum of the corresponding jamb and the header values. For example, for a 3-1/2" HDSC-97 bracket (3" Flange) used with a 54mil (16ga) 50 ksi jamb and a 97mil (12ga) 50 ksi header, the F2 allowable design load shall be the capacity corresponding to framing member with lesser thickness i.e, 16ga member. Thus, the ASD capacity is 755 lbs.
4 #12-14 HWH Screws by ITW Buildex were used to attach Brackets to Jamb and Header. The screws shall have a minimum shear capacity of 2000 lbs and minimum tension capacity of 2325 lbs. Evidence shall be provided to the building official for approval that defines the fasteners meet the performance requirements of this report, ASTM C1513 and are for use with cold-formed steel.
5 For simultaneous F1 and F2 loading, use the following interaction equation: $(f1/F1)^2+(f2/F2)^2 \le 1.0$ Where f1 and f2 are the applied loads and F1 and F2 are the appropriate allowable loads.
6 It is the responsibility of the design professional to detail the project drawings for proper HDSC bracket installation.

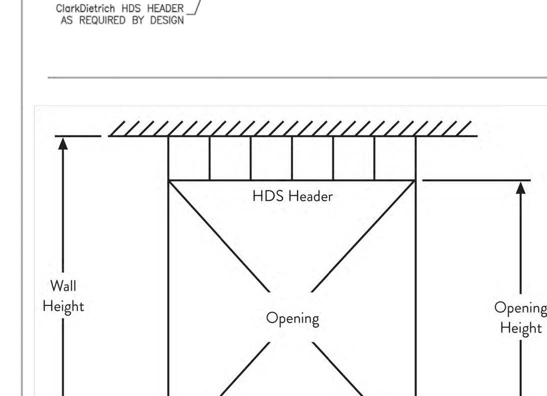
HDS® Framing Details

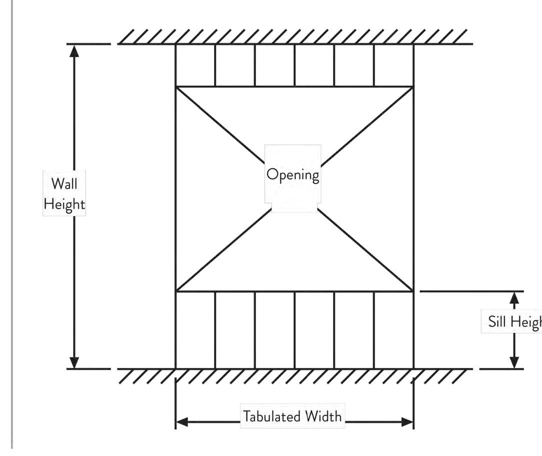
HDS® HEADER CONNECTIONS



HDS SILL CONNECTIONS







For use with the HDS® Framing System.

The ClarkDietrich HDS Framing System provides outstanding bending strength in two directions and superior axial strength. Plus, it reduces material, labor costs and installation time by up to 50%. The superior strength and carrying capacity of the HDS means higher performance with fewer members, like eliminating box beam headers, nesting track and stud for posts and jambs. It also means improved finish quality by eliminating excessive material and screw head buildup around doors and windows. The HDSC header bracket is a unique, prepunched clip that turns curtain wall header installation from a two-man job into a one-man job.

Allowable HDS® Header Spans for Window and Door Openings — Interior Span Chart

Interior Allowable Spans: Lateral Load (psf) = 5, Dead Load (psf) = 10 — Strong Axis Deflection Targets — Opening Heights

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Yield Strength, Fy (ksi)	Flange (in)	L/120 7		L/120 8		L/120 9		L/240 7		L/240 8		L/240 9		L/360 7		L/360 8		L/360 9	
9	3-5/8	362HDS300-33	33 (20)	33	3	11'-3"	1	13'-0"	1	—		11'-3"	1	13'-0"	1	—		11'-3"	1	11'-9"	1	—	
		362HDS300-43	43 (18)	33	3	12'-8"	2	15'-1"	2	—		12'-8"	2	15'-0"	2	—		12'-8"	2	13'-1"	2	—	
		362HDS300-54	54 (16)	50	3	13'-5"	2	16'-0"	2	—		13'-5"	2	16'-0"	2	—		13'-5"	2	14'-1"	2	—	
		362HDS300-68	68 (14)	50	3	14'-1"	2	16'-0"	2	—		14'-1"	2	16'-0"	2	—		14'-1"	2	15'-3"	2	—	
		362HDS300-97	97 (12)	50	3	15'-2"	3	16'-0"	3	—		15'-2"	3	16'-0"	3	—		15'-2"	3	16'-0"	3	—	
	6	600HDS300-33	33 (20)	33	3	13'-3"	1	15'-9"	1	—		13'-3"	1	15'-9"	1	—		13'-3"	1	15'-9"	1	—	
		600HDS300-43	43 (18)	33	3	14'-3"	2	17'-0"	2	—		14'-3"	2	17'-0"	2	—		14'-3"	2	17'-0"	2	—	
		600HDS300-54	54 (16)	50	3	15'-0"	2	17'-11"	2	—		15'-0"	2	17'-11"	2	—		15'-0"	2	17'-11"	2	—	
		600HDS300-68	68 (14)	50	3	15'-10"	2	18'-10"	2	—		15'-10"	2	18'-10"	2	—		15'-10"	2	18'-10"	2	—	
		600HDS300-97	97 (12)	50	3	17'-1"	3	20'-0"	3	—		17'-1"	3	20'-0"	3	—		17'-1"	3	20'-0"	3	—	
11	3-5/8	362HDS300-33	33 (20)	33	3	9'-0"	1	9'-10"	1	11'-0"	1	9'-0"	1	9'-10"	1	11'-0"	1	9'-0"	1	9'-10"	1	11'-0"	1
		362HDS300-43	43 (18)	33	3	10'-6"	2	11'-6"	2	12'-8"	2	10'-6"	2	11'-6"	2	12'-8"	2	10'-6"	2	11'-6"	2	12'-3"	2
		362HDS300-54	54 (16)	50	3	11'-3"	2	12'-1"	2	13'-5"	2	11'-3"	2	12'-1"	2	13'-5"	2	11'-3"	2	12'-1"	2	13'-2"	2
		362HDS300-68	68 (14)	50	3	11'-10"	2	12'-9"	2	14'-1"	2	11'-10"	2	12'-9"	2	14'-1"	2	11'-10"	2	12'-9"	2	14'-1"	2
		362HDS300-97	97 (12)	50	3	12'-9"	3	13'-8"	3	15'-2"	3	12'-9"	3	13'-8"	3	15'-2"	3	12'-9"	3	13'-8"	3	15'-2"	3
	6	600HDS300-33	33 (20)	33	3	11'-0"	2	12'-0"	1	13'-3"	1	11'-0"	2	12'-0"	1	13'-3"	1	11'-0"	2	12'-0"	1	13'-3"	1
		600HDS300-43	43 (18)	33	3	12'-0"	2	12'-10"	2	14'-3"	2	12'-0"	2	12'-10"	2	14'-3"	2	12'-0"	2	12'-10"	2	14'-3"	2
		600HDS300-54	54 (16)	50	3	12'-8"	2	13'-7"	2	15'-0"	2	12'-8"	2	13'-7"	2	15'-0"	2	12'-8"	2	13'-7"	2	15'-0"	2
		600HDS300-68	68 (14)	50	3	13'-4"	2	14'-4"	2	15'-10"	2	13'-4"	2	14'-4"	2	15'-10"	2	13'-4"	2	14'-4"	2	15'-10"	2
		600HDS300-97	97 (12)	50	3	14'-5"	3	15'-6"	3	17'-1"	3	14'-5"	3	15'-6"	3	17'-1"	3	14'-5"	3	15'-6"	3	17'-1"	3
13	3-5/8	362HDS300-33	33 (20)	33	3	7'-9"	2	8'-3"	2	9'-0"	1	7'-9"	2	8'-3"	2	9'-0"	1	7'-9"	2	8'-3"	2	9'-0"	1
		362HDS300-43	43 (18)	33	3	9'-0"	2	9'-7"	2	10'-4"	2	9'-0"	2	9'-7"	2	10'-4"	2	9'-0"	2	9'-7"	2	10'-4"	2
		362HDS300-54	54 (16)	50	3	10'-2"	2	10'-8"	2	11'-3"	2	10'-2"	2	10'-8"	2	11'-3"	2	10'-2"	2	10'-8"	2	11'-3"	2
		362HDS300-68	68 (14)	50	3	10'-8"	2	11'-2"	2	11'-10"	2	10'-8"	2	11'-2"	2	11'-10"	2	10'-8"	2	11'-2"	2	11'-10"	2
		362HDS300-97	97 (12)	50	3	11'-6"	3	12'-1"	3	12'-9"	3	11'-6"	3	12'-1"	3	12'-9"	3	11'-6"	3	12'-1"	3	12'-9"	3
	6	600HDS300-33	33 (20)	33	3	9'-4"	2	10'-0"	2	10'-10"	2	9'-4"	2	10'-0"	2	10'-10"	2	9'-4"	2	10'-0"	2	10'-10"	2
		600HDS300-43	43 (18)	33	3	10'-10"	2	11'-4"	2	12'-0"	2	10'-10"	2	11'-4"	2	12'-0"	2	10'-10"	2	11'-4"	2	12'-0"	2
		600HDS300-54	54 (16)	50	3	11'-5"	2	12'-0"	2	12'-8"	2	11'-5"	2	12'-0"	2	12'-8"	2	11'-5"	2	12'-0"	2	12'-8"	2
		600HDS300-68	68 (14)	50	3	12'-0"	2	12'-7"	2	13'-4"	2	12'-0"	2	12'-7"	2	13'-4"	2	12'-0"	2	12'-7"	2	13'-4"	2
		600HDS300-97	97 (12)	50	3	13'-0"	3	13'-7"	3	14'-5"	3	13'-0"	3	13'-7"	3	14'-5"	3	13'-0"	3	13'-7"	3	14'-5"	3
15	3-5/8	362HDS300-33	33 (20)	33	3	6'-10"	2	7'-3"	2	7'-8"	2	6'-10"	2	7'-3"	2	7'-8"	2	6'-10"	2	7'-3"	2	7'-8"	2
		362HDS300-43	43 (18)	33	3	8'-0"	2	8'-5"	2	8'-11"	2	8'-0"	2	8'-5"	2	8'-11"	2	8'-0"	2	8'-5"	2	8'-11"	2
		362HDS300-54	54 (16)	50	3	9'-3"	2	9'-9"	2	10'-2"	2	9'-3"	2	9'-9"	2	10'-2"	2	9'-3"	2	9'-9"	2	10'-2"	2
		362HDS300-68	68 (14)	50	3	10'-0"	2	10'-3"	2	10'-8"	2	10'-0"	2	10'-3"	2	10'-8"	2	10'-0"	2	10'-3"	2	10'-8"	2
		362HDS300-97	97 (12)	50	3	10'-8"	3	11'-1"	3	11'-6"	3	10'-8"	3	11'-1"	3	11'-6"	3	10'-8"	3	11'-1"	3	11'-6"	3
	6	600HDS300-33	33 (20)	33	3	7'-6"	3	8'-6"	3	9'-3"	2	7'-6"	3	8'-6"	3	9'-3"	2	7'-6"	3	8'-6"	3	9'-3"	2
		600HDS300-43	43 (18)	33	3	10'-1"	2	10'-5"	2	10'-10"	2	10'-1"	2	10'-5"	2	10'-10"	2	10'-1"	2	10'-5"	2	10'-10"	2
		600HDS300-54	54 (16)	50	3	10'-7"	2	11'-0"	2	11'-5"	2	10'-7"	2	11'-0"	2	11'-5"	2	10'-7"	2	11'-0"	2	11'-5"	2
		600HDS300-68	68 (14)	50	3	11'-2"	2	11'-7"	2	12'-0"	2	11'-2"	2	11'-7"	2	12'-0"	2	11'-2"	2	11'-7"	2	12'-0"	2
		600HDS300-97	97 (12)	50	3	12'-1"	3	12'-6"	3	13'-0"	3	12'-1"	3	12'-6"	3	13'-0"	3	12'-1"	3	12'-6"	3	13'-0"	3

Span notes: (Reference number shown to the right of spans)

1 Use 20ga (33mil) HDSC™ Clip with a 4/4 screw pattern.
2 Use 14ga (68mil) HDSC™ Clip with a 4/4 screw pattern
3 Use 12ga (97mil) HDSC™ Clip with a 4/4 screw pattern.

Notes:

1 All headers require the attachment of the HDSC™ Clip at each end with headers installed open side up.
2 Recommended HDSC™ Clip attachments above are based on the jamb stud thickness being equal to or greater than header thickness.
3 Header framing was calculated with a sill height of 0" for worst case design.
4 Section properties are based on the AISI S100-16 (2020) w/S2-20.
5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2
6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary B5
7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.
8 Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.
9 For Wall Dead Load calculations, 10psf is used for interior framing and 12psf is used for exterior framing
10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".
11 Spans listed are based on unpunched members
12 Span tables are based on ASD load capacities for the HDSC clip.

Allowable HDS® Header Spans for Window and Door Openings — Jamb/Interior Span Chart

Interior Allowable Spans: Lateral Load (psf) = 5, Dead Load (psf) = 10 — Strong Axis Deflection Targets — Opening Heights

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Yield Strength, Fy (ksi)	Flange (in)	L/120 7		L/120 8		L/120 9		L/240 7		L/240 8		L/240 9		L/360 7		L/360 8		L/360 9	
9	3-5/8	362HDS300-33	33 (20)	33	3	11'-3"	1	13'-0"	1	—		11'-3"	1	13'-0"	1	—		11'-3"	1	11'-9"	1	—	
		362HDS300-43	43 (18)	33	3	12'-8"	2	15'-1"	2	—		12'-8"	2	15'-0"	2	—		12'-8"	2	13'-1"	2	—	
		362HDS300-54	54 (16)	50	3	13'-5"	2	16'-0"	2	—		13'-5"	2	16'-0"	2	—		13'-5"	2	14'-1"	2	—	
		362HDS300-68	68 (14)	50	3	14'-1"	2	16'-0"	2	—		14'-1"	2	16'-0"	2	—		14'-1"	2	15'-3"	2	—	
		362HDS300-97	97 (12)	50	3	15'-2"	3	16'-0"	3	—		15'-2"	3	16'-0"	3	—		15'-2"	3	16'-0"	3	—	
	6	600HDS300-33	33 (20)	33	3	13'-3"	1	15'-9"	1	—		13'-3"	1	15'-9"	1	—		13'-3"	1	15'-9"	1	—	
		600HDS300-43	43 (18)	33	3	14'-3"	2	17'-0"	2	—		14'-3"	2	17'-0"	2	—		14'-3"	2	17'-0"	2	—	
		600HDS300-54	54 (16)	50	3	15'-0"	2	17'-11"	2	—		15'-0"	2	17'-11"	2	—		15'-0"	2	17'-11"	2	—	
		600HDS300-68	68 (14)	50	3	15'-10"	2	18'-10"	2	—		15'-10"	2	18'-10"	2	—		15'-10"	2	18'-10"	2	—	
		600HDS300-97	97 (12)	50	3	17'-1"	3	20'-0"	3	—		17'-1"	3	20'-0"	3	—		17'-1"	3	20'-0"	3	—	
11	3-5/8	362HDS300-33	33 (20)	33	3	9'-0"	1	9'-10"	1	11'-0"	1	9'-0"	1	9'-10"	1	11'-0"	1	9'-0"	1	9'-10"	1	11'-0"	1
		362HDS300-43	43 (18)	33	3	10'-6"	2	11'-6"	2	12'-8"	2	10'-6"	2	11'-6"	2	12'-8"	2	10'-6"	2	11'-6"	2	12'-3"	2
		362HDS300-54	54 (16)	50	3	11'-3"	2	12'-1"	2	13'-5"	2	11'-3"	2	12'-1"	2	13'-5"	2	11'-3"	2	12'-1"	2	13'-2"	2
		362HDS300-68	68 (14)	50	3	11'-10"	2	12'-9"	2	14'-1"	2	11'-10"	2	12'-9"	2	14'-1"	2	11'-10"	2	12'-9"	2	14'-1"	2
		362HDS300-97	97 (12)	50	3	12'-9"	3	13'-8"	3	15'-2"	3	12'-9"	3	13'-8"	3	15'-2"	3	12'-9"	3	13'-8"	3	15'-2"	3
	6	600HDS300-33	33 (20)	33	3	11'-0"	2	12'-0"	1	13'-3"	1	11'-0"	2	12'-0"	1	13'-3"	1	11'-0"	2	12'-0"	1	13'-3"	1
		600HDS300-43	43 (18)	33	3	12'-0"	2	12'-10"	2	14'-3"	2	12'-0"	2	12'-10"	2	14'-3"	2	12'-0"	2	12'-10"	2	14'-3"	2
		600HDS300-54	54 (16)	50	3	12'-8"	2	13'-7"	2	15'-0"	2	12'-8"	2	13'-7"	2	15'-0"	2	12'-8"	2	13'-7"	2	15'-0"	2
		600HDS300-68	68 (14)	50	3	13'-4"	2	14'-4"	2	15'-10"	2	13'-4"	2	14'-4"	2	15'-10"	2	13'-4"	2	14'-4"	2	15'-10"	2
		600HDS300-97	97 (12)	50	3	14'-5"	3	15'-6"	3	17'-1"	3	14'-5"	3	15'-6"	3	17'-1"	3	14'-5"	3	15'-6"	3	17'-1"	3
13	3-5/8	362HDS300-33	33 (20)	33	3	7'-9"	2	8'-3"	2	9'-0"	1	7'-9"	2	8'-3"	2	9'-0"	1	7'-9"	2	8'-3"	2	9'-0"	1
		362HDS300-43	43 (18)	33	3	9'-0"	2	9'-7"	2	10'-4"	2	9'-0"	2	9'-7"	2	10'-4"	2	9'-0"	2	9'-7"	2	10'-4"	2
		362HDS300-54	54 (16)	50	3	10'-2"	2	10'-8"	2	11'-3"	2	10'-2"	2	10'-8"	2	11'-3"	2	10'-2"	2	10'-8"	2	11'-3"	2
		362HDS300-68	68 (14)	50	3	10'-8"	2	11'-2"	2	11'-10"	2	10'-8"	2	11'-2"	2	11'-10"	2	10'-8"	2	11'-2"	2	11'-10"	2
		362HDS300-97	97 (12)	50	3	11'-6"	3	12'-1"	3	12'-9"	3	11'-6"	3	12'-1"	3	12'-9"	3	11'-6"	3	12'-1"	3	12'-9"	3
	6	600HDS300-33	33 (20)	33	3	9'-4"	2	10'-0"	2	10'-10"	2	9'-4"	2	10'-0"	2	10'-10"	2	9'-4"	2	10'-0"	2	10'-10"	2
		600HDS300-43	43 (18)	33	3	10'-10"	2	11'-4"	2	12'-0"	2	10'-10"	2	11'-4"	2	12'-0"	2	10'-10"	2	11'-4"	2	12'-0"	2
		600HDS300-54	54 (16)	50	3	11'-5"	2	12'-0"	2	12'-8"	2	11'-5"	2	12'-0"	2	12'-8"	2	11'-5"	2	12'-0"	2	12'-8"	2
		600HDS300-68	68 (14)	50	3	12'-0"	2	12'-7"	2	13'-4"	2	12'-0"	2	12'-7"	2	13'-4"	2	12'-0"	2	12'-7"	2	13'-4"	2
		600HDS300-97	97 (12)	50	3	13'-0"	3	13'-7"	3	14'-5"	3	13'-0"	3	13'-7"	3	14'-5"	3	13'-0"	3	13'-7"	3	14'-5"	3
15	3-5/8	362HDS300-33	33 (20)	33	3	6'-10"	2	7'-3"	2	7'-8"	2	6'-10"	2	7'-3"	2	7'-8"	2	6'-10"	2	7'-3"	2	7'-8"	2
		362HDS300-43	43 (18)	33	3	8'-0"	2	8'-5"	2	8'-11"	2	8'-0"	2	8'-5"	2	8'-11"	2	8'-0"	2	8'-5"	2	8'-11"	2
		362HDS300-54	54 (16)	50	3	9'-3"	2	9'-9"	2	10'-2"	2	9'-3"	2	9'-9"	2	10'-2"	2	9'-3"	2	9'-9"	2	10'-2"	2
		362HDS300-68	68 (14)	50	3	10'-0"	2	10'-3"	2	10'-8"	2	10'-0"	2	10'-3"	2	10'-8"	2	10'-0"	2	10'-3"	2	10'-8"	2
		362HDS300-97	97 (12)	50	3	10'-8"	3	11'-1"	3	11'-6"	3	10'-8"	3	11'-1"	3	11'-6"	3	10'-8"	3	11'-1"	3	11'-6"	3
	6	600HDS300-33	33 (20)	33	3	7'-6"	3	8'-6"	3	9'-3"	2	7'-6"	3	8'-6"	3	9'-3"	2	7'-6"	3	8'-6"	3	9'-3"	2
		600HDS300-43	43 (18)	33	3	10'-1"	2	10'-5"	2	10'-10"	2	10'-1"	2	10'-5"	2	10'-10"	2	10'-1"	2	10'-5"	2	10'-10"	2
		600HDS300-54	54 (16)	50	3	10'-7"	2	11'-0"	2	11'-5"	2	10'-7"	2	11'-0"	2	11'-5"	2	10'-7"	2	11'-0"	2	11'-5"	2
		600HDS300-68	68 (14)	50	3	11'-2"	2	11'-7"	2	12'-0"	2	11'-2"	2	11'-7"	2	12'-0"	2	11'-2"	2	11'-7"	2	12'-0"	2
		600HDS300-97	97 (12)	50	3	12'-1"	3	12'-6"	3	13'-0"	3	12'-1"	3	12'-6"	3	13'-0"	3	12'-1"	3	12'-6"	3	13'-0"	3

Span notes: (Reference number shown to the right of spans)

1 Use 20ga (33mil) HDSC™ Clip with a 4/4 screw pattern.
2 Use 14ga (68mil) HDSC™ Clip with a 4/4 screw pattern
3 Use 12ga (97mil) HDSC™ Clip with a 4/4 screw pattern.

Notes:

1 This table is based on the 0" sill heights and listed opening heights. Other conditions may result in differing results. Contact Technical Service for analysis of other conditions.
2 Opening widths are limited to 16'-0" for 3-5/8" & 4" members and 20'-0" for 6" & 8" members.
3 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.
4 Physical properties and this table have been calculated in conformance with the AISI S100-2016 (2020) w/S2-20.
5 Effective properties incorporate the strength increase from the Cold Work of Forming as applicable per AISI S100-2016 (2020) w/S2-20 section A3.3.2.
6 The strength analysis included separate bending and shear checks plus the combined interaction of bending and shear effects per section H2 of AISI S100-2016 (2020) w/S2-20.
7 The strength analysis included separate bending and axial load checks plus the combined interaction of bending and axial load effects per section H1 of AISI S100-2016 (2020) w/S2-20.
8 Web crippling strength ... per section G5 of AISI S100-2016 (2020) w/S2-20 and stud-to-track connection per section B3.2.5.1 of AISI S240-20.
9 Single stud web crippling strength is based on minimum of all conditions and load cases in Table G5-2 of AISI S100-2016 (2020) w/S2-20.
10 The tabulated values for flexural stress were based upon a fully braced side jamb.
11 This table is not applicable for axial load bearing walls but is applicable for non-axial load bearing walls.
12 Tables were prepared using a 16" o.c. spacing from the jamb stud to the first adjacent typical wall stud.
13 Wall dead load is ... per stud flange. Wall top connection is assumed to have a minimum 1.25" bearing on the top track.

Notes:

1 All headers require the attachment of the HDSC™ Clip at each end with headers installed open side up.
2 Recommended HDSC™ Clip attachments above are based on the jamb stud thickness being equal to or greater than header thickness.
3 Header framing was calculated with a sill height of 0" for worst case design.
4 Section properties are based on the AISI S100-16 (2020) w/S2-20.
5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2
6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary B5
7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.
8 Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.
9 For Wall Dead Load calculations, 10psf is used for interior framing and 12psf is used for exterior framing
10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".
11 Spans listed are based on unpunched members
12 Span tables are based on ASD load capacities for the HDSC clip.

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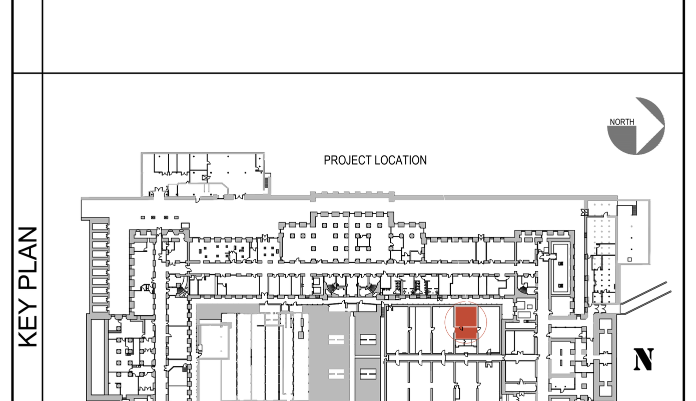
CITADEL DCA — ARCHITECTURE | HISTORIC PRESERVATION | PLANNING | DESIGN

CERTIFICATIONS

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CAUTION: IF THIS DRAWING IS A REDUCTION THIS GRAPHIC SCALE MUST BE USED

CONTRACTORS	
A/E CON. NO.	
A/E TASK NO.	
CONS. CONTR.	
CONS. WORK	
PRIME A/E	MERIDIEN GROUP / CITADEL DCA
SUB A/E	

BUILDING	
NAME	
STREET	
CITY/ST./ZIP	WASHINGTON, DC
BUILDING NO.	DC-
OTHER BUILDING NOs.	
FACILITY CODE	

PROJECT	
PROJECT TITLE	FEDERAL OFFICE BUILDING STORAGE AND IT ROOM NEW DOORS
PROJECT DESCRIPTION	NEW DOORS VAULT 9
PROJECT NO.	V9_26_003
GSA PM	BARBARA CHOATE
SUBMISSION	100% - REV SUBMISSION FOR REVIEW
SUB. DATE	06 JUNE 2026

DRAWING	
DRAWING TITLE	FRAMING COMPONENTS BOD
FILE NAME	
FLOOR NO.	BASEMENT
DRAWN BY	AGF DATE DRAFTED: 04/01/2026
CHECKED BY	LSP SHEET SIZE: 24 x 36
DRAWING NO.	A-704
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 20 OF 20