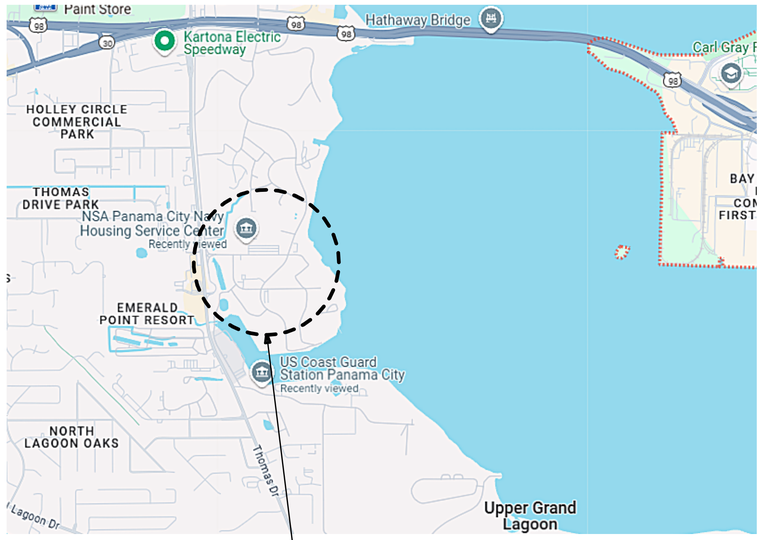
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

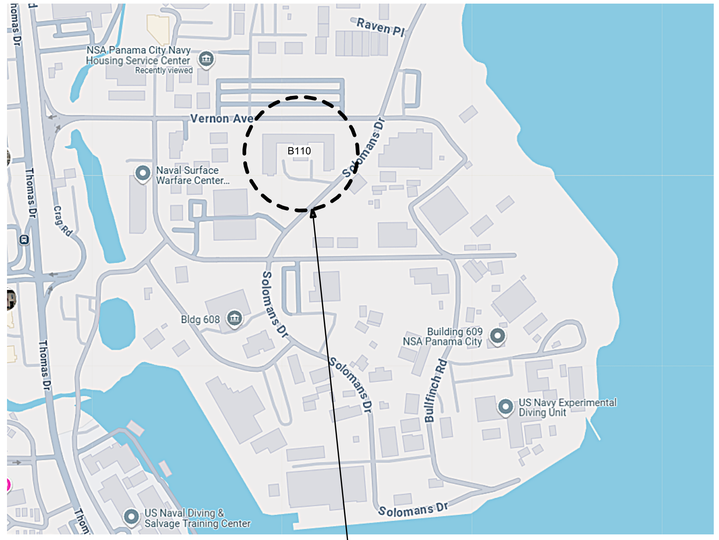
NAVAL SUPPORT ACTIVITY PANAMA CITY, FLORIDA

FINAL DESIGN SUBMITTAL - 31 JULY 2026



VICINITY MAP

NOT TO SCALE



LOCATION MAP

NOT TO SCALE

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTHEAST

PUBLIC WORKS DEPARTMENT
JACKSONVILLE, FLORIDA

7/29/2026 8:43:50 AM G-001
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MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, License No. 21581, Expiration date: 30 Sep 2027

NAVFAC

STATE OF MARYLAND · SHANE E. HERSOM · 21581 · ARCHITECT

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SF	DRW	SF	CHK	WRM

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
COVER SHEET

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230809
SHEET	1 OF 98

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DRAWFORM REVISION: 14 SEP 2023

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2	15230810	G-002	INDEX OF DRAWINGS
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4	15230812	GI101	SECOND FLOOR LIFE SAFETY PLAN
ARCHITECTURAL			
5	15230813	A-001	ARCHITECTURAL SYMBOLS, LEGENDS, ABBREVIATIONS AND NOTES
6	15230814	AD101	DEMOLITION - SECOND FLOOR PLAN
7	15230815	AD102	DEMOLITION - SECOND FLOOR REFLECTED CEILING PLAN
8	15230816	A-101	SECOND FLOOR PLAN
9	15230817	A-102	SECOND FLOOR REFLECTED CEILING PLAN
10	15230818	A-501	PARTITION TYPES
11	15230819	A-502	PARTITION DETAILS
12	15230820	A-503	PENETRATION & MISC DETAILS
13	15230821	A-504	MISC DETAILS
14	15230822	A-510	DOOR SCHEDULE AND DETAILS
15	15230823	A-511	DOOR DETAILS
16	15230824	A-520	WINDOW SCHEDULE AND DETAILS
17	15230825	A-601	RF SHIELDING DETAILS
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21	15230829	A-701	OPERABLE PARTITION SUPPORT STRUCTURE
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22	15230830	IN001	ROOM FINISH LEGEND AND SCHEDULE
23	15230831	IN101	SECOND FLOOR FINISH AND SIGNAGE PLAN
24	15230832	IN401	INTERIOR ELEVATIONS
25	15230833	IN402	INTERIOR ELEVATIONS
26	15230834	IN501	INTERIOR DETAILS
27	15230835	IN601	SIGNAGE SCHEDULE AND DETAILS
28	15230836	IF101	SECOND FLOOR FURNITURE PLAN
FIRE PROTECTION			
29	15230837	FA001	FIRE ALARM NOTES, LEGEND AND ABBREVIATIONS
30	15230838	FD101	SECOND FLOOR FIRE ALARM DEMOLITION PLAN
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36	15230844	FX101	SECOND FLOOR FIRE SUPPRESSION PLAN
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42	15230850	MD101	SECOND FLOOR DEMOLITION PLAN - AREA B
43	15230851	M-101	SECOND FLOOR PLAN - AREA B
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73	15230881	TG501	TELECOMMUNICATIONS DETAILS
74	15230882	TG601	TELECOMMUNICATIONS GROUNDING RISER DIAGRAM
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78	15230886	TN201	TELECOMMUNICATIONS ELEVATIONS AND SCHEDULES
79	15230887	TN202	TELECOMMUNICATIONS ELEVATIONS AND SCHEDULES
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86	15230894	TN505	TELECOMMUNICATIONS DETAILS
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92	15230900	TA002	SECOND FLOOR PLAN
93	15230901	TA411	AUDIOVISUAL ENLARGED PLANS - LARGE CONFERENCE ROOM
94	15230902	TA412	AUDIOVISUAL ENLARGED PLANS - LARGE CONFERENCE ROOM
95	15230903	TA421	AUDIOVISUAL ENLARGED PLANS - BREAKOUT ROOMS
96	15230904	TA431	AUDIOVISUAL ENLARGED PLANS - VAULT
97	15230905	TA701	AUDIOVISUAL LINE DIAGRAMS - LARGE CONFERENCE ROOM
98	15230906	TA702	AUDIOVISUAL LINE DIAGRAMS - BREAKOUT ROOM

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License number 21581, Expiration date: 06 Jan 2027

STATE OF MARYLAND
SHANE E. HERROD
21581
ARCHITECT
07/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

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ACTIVITY

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DES	AC	DRW	AC	CHK	RM

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

INDEX OF DRAWINGS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230810
SHEET	2 OF 98

G-002

DRAWFORM REVISION: 14 SEP 2023

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THE BUILDING IS EXISTING. THE LIFE SAFETY SYSTEMS REQUIRE UPGRADES IN THE SCOPE OF WORK AREAS. NO BUILDING ADDITIONS ARE PROVIDED AS PART OF THE SCOPE OF WORK. THE PROJECT WILL NOT CHANGE THE OVERALL HEIGHT AND AREA OF THE BUILDING. THE SCOPE OF WORK AREAS IS LIMITED TO 2B WING ON THE SECOND FLOOR OF BUILDING 110. THE SCOPE OF WORK AREA MUST COMPLY WITH THE MEANS OF EGRESS REQUIREMENTS IN THE LIFE SAFETY CODE. IN ACCORDANCE WITH UFC 3-600-01, SECTION 34-1.2.1, THE SCOPE OF WORK AREAS ARE CLASSIFIED AS A MODIFICATION; THEREFORE, THE AREAS MUST CONFORM TO THE REQUIREMENTS OF THE BUILDING REHABILITATION CHAPTER (CHAPTER 43) OF NFPA 101, SPECIFICALLY SECTION 43.5, EXCEPT AS MODIFIED BY UFC 3-600-01. NEWLY CONSTRUCTED ELEMENTS, COMPONENTS, AND SYSTEMS MUST COMPLY WITH THE REQUIREMENTS OF NEW CONSTRUCTION IN ACCORDANCE WITH NFPA 101 SECTION 43.5.1. THE SCOPE OF WORK IS CONSIDERED ALTERATION LEVEL 2 AND MUST CONFORM TO IEBC CHAPTER 8, EXCEPT AS MODIFIED BY UFC 3-600-01 IN ACCORDANCE WITH UFC 1-200-01 SECTION 3-8.

1. APPLICABLE CODES AND STANDARDS

ABBREVIATIONS	TITLE	EDITION
IBC	INTERNATIONAL BUILDING CODE	2024
IEBC	INTERNATIONAL EXISTING BUILDING CODE	2024
NFPA 1	FIRE CODE	2024
NFPA 10	STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2026
NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS	2025
NFPA 70	NATIONAL ELECTRICAL CODE	2026
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE	2025
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2025
NFPA 90A	STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS	2024
NFPA 101	LIFE SAFETY CODE	2024
UFC 1-200-01	DOD BUILDING CODE	CHANGE 4, 2024
UFC 3-600-01	DESIGN: FIRE PROTECTION ENGINEERING FOR FACILITIES	CHANGE 6, 2021

2. TYPE OF CONSTRUCTION (IBC 601)

BUILDING ELEMENT	TYPE OF CONSTRUCTION	FIRE RESISTANCE RATING
PRIMARY STRUCTURAL FRAME	IIB	0 HR
BEARING EXTERIOR WALL	IIB	0 HR
BEARING INTERIOR WALL	IIB	0 HR *
NON-BEARING EXTERIOR WALL	IIB	0 HR
NON-BEARING INTERIOR WALL	IIB	0 HR
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	IIB	0 HR *
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	IIB	0 HR

* EXCEPT AS REQUIRED FOR OCCUPANCY SEPARATION, PROTECTION FROM HAZARDS, AND OTHER PASSIVE FIRE PROTECTION.

3. CLASSIFICATION OF OCCUPANCY

AREAS	IBC	NFPA 101
2B WING *	BUSINESS, GROUP B (SECTION 304.1)	BUSINESS (SECTION 6.1.11) / ASSEMBLY (SECTION 6.1.2)

* THE LARGE CONFERENCE ROOM IN THE NEW LAYOUT IS GREATER THAN 750 SQUARE FEET WITH AN OCCUPANT LOAD GREATER THAN 50 PERSONS. THEREFORE, THE CONFERENCE ROOM IS AN ASSEMBLY OCCUPANCY IN ACCORDANCE WITH IBC SECTION 303.1.2 AND NFPA 101 SECTION 6.1.11. FURTHERMORE FOR IBC, THE ASSEMBLY OCCUPANCY IS CLASSIFIED AS AN ACCESSORY OCCUPANCY TO THE REMAINDER OF THE STORY, WHICH IS DESIGNATED AS A GROUP B OCCUPANCY, AS IT DOES NOT EXCEED 10 PERCENT OF THE TOTAL FLOOR AREA OF THE STORY IN ACCORDANCE WITH IBC SECTION 508.2.3.

4. ACCESSORY OCCUPANCY 10% LIMITATION (508.2)

FLOOR	FLOOR AREA (SF)	ACCESSORY	ACCESSORY AREA (SF)	PERCENTAGE OF AREA (SUM < 10%)	IBC AREA LIMITATION (SF)
LEVEL 2	31,983	ASSEMBLY	1,338	4.2	3,198

5. PROTECTION FROM HAZARDS AND OTHER PASSIVE FIRE PROTECTION

AREA	REQUIRED RATING	CODE
SHAFT ENCLOSURE 3 STORIES OR LESS	1 HR FIRE BARRIER	NFPA 101 SECTION 8.6.5

6. OPENING PROTECTION FOR FIRE AND SMOKE RESISTIVE CONSTRUCTION

COMPONENT	FIRE DOOR / SHUTTER ASSEMBLIES	DUCT PENETRATIONS	OTHER PENETRATIONS	CODE
1 HR FIRE BARRIER FOR SHAFT ENCLOSURE	3/4 HR	1-1/2 HR FIRE DAMPER ONLY ON AIR TRANSFER OPENINGS	1 HR	DOOR - NFPA 101 TABLE 8.3.3.2.2 DAMPER - NFPA 90A 9.2.2, 9.4.1.1 OTHER PENETRATIONS - NFPA 101 TABLE 8.3.3.2.2.2

7. OCCUPANT LOAD CALCULATIONS (NFPA 101, UFC 3-600-01)

FLOOR	AREA	FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR (SF/PERSON)	OCCUPANTS
LEVEL 2	LARGE CONFERENCE ROOM, VAULT CONFERENCE	ASSEMBLY, LESS CONCENTRATED WITHOUT FIXED SEATING	1,702	15 NET	114
LEVEL 2	OPEN OFFICE, PRINT/COPY, ENTRY, VAULT, VESTIBULE	BUSINESS AREAS	2,279	150 GROSS	16
LEVEL 2	BREAKOUT ROOMS	COLLABORATION ROOMS	612	30 GROSS	21
LEVEL 2	TELECOM	IT EQUIPMENT	162	300 GROSS	1
LEVEL 2	CONFERENCE ROOMS*	ASSEMBLY, LESS CONCENTRATED WITHOUT FIXED SEATING	1,523	15 NET	102
LEVEL 2	OFFICES, STAIRWELLS*	BUSINESS AREAS	24,506	150 GROSS	164
LEVEL 2	MECHANICAL ROOMS*	MECHANICAL, ELECTRICAL,OTHER BUILDING EQUIPMENT SPACES	1,199	500 GROSS	3
LEVEL 2	TOTAL		31,983		421

* AREA NOT IN SCOPE OF WORK. OCCUPANT LOAD CALCULATION SHOWN TO VERIFY EXISTING CAPACITY OF MEANS OF EGRESS IS SUFFICIENT TO SUPPORT THE INCREASE IN OCCUPANT LOAD ON THE SECOND FLOOR.

8. OCCUPANT LOAD SUMMARY AND MINIMUM EXITS FROM FLOOR

FLOOR	GROSS AREA (SF)	OCCUPANTS	REQUIRED EXITS (NFPA 101)	REQUIRED EXIT SEPARATION (NFPA 101)
LEVEL 2	31,983	421	2 (7.4.1.1)	1/3 DIAGONAL (7.5.1.3.3)

9. MINIMUM EXITS OR EXIT ACCESSES FROM A SPACE OR AREA

OCCUPANCY	CONDITION PERMITTING ONE EXIT	CONDITION REQUIRING TWO OR MORE EXITS	NFPA 101
BUSINESS	LESS THAN 100 PERSONS AND LESS THAN 100' COMMON PATH	GREATER THAN 100 PERSONS OR 100' OR GREATER COMMON PATH	38.2.4, 38.2.4.3
ASSEMBLY	N/A	ALL CONDITIONS	12.2.4.1

10. COMMON PATH, DEAD-END, AND TRAVEL DISTANCE LIMITS (NFPA 101 TABLE A.7.6)

OCCUPANCY	COMMON PATH LIMIT (FT)	DEAD END LIMIT (FT)	TRAVEL DISTANCE LIMIT (FT)
BUSINESS	100	50	300
ASSEMBLY	20 FOR > 50 PERSONS 75 FOR ≤ 50 PERSONS	20	250

11. MINIMUM EGRESS WIDTHS

COMPONENT	REQUIREMENT	WIDTH (IN)	NFPA 101
EXISTING STAIR IN EGRESS ACCESS	MINIMUM	36	SECTION 7.2.2.2.1.1
EXISTING DOOR IN EGRESS ACCESS	MINIMUM	28	SECTION 7.2.2.2.1.1(4)
DOORS IN EGRESS ACCESS	PER COMPONENT	32	SECTION 7.2.1.2.3.2
CORRIDOR SERVING 50 OR MORE OCCUPANTS	MINIMUM	44	SECTION 12.2.3.8
CORRIDOR SERVING LESS THAN 50 OCCUPANTS	MINIMUM	36	SECTION 7.3.4.1
EGRESS COMPONENTS OTHER THAN STAIRWAYS	PER PERSON	0.2	TABLE 7.3.3.1
STAIRWAYS	PER PERSON	0.3	TABLE 7.3.3.1

12. MINIMUM INTERIOR FINISH RATINGS (NFPA 101 TABLE A.10.2.2)

OCCUPANCY	EXITS	EXIT ACCESS CORRIDORS	OTHER SPACES
BUSINESS	CLASS C	CLASS C	CLASS C
ASSEMBLY	CLASS C	CLASS C	CLASS C

13. FIRE SUPPRESSION REQUIREMENTS (UFC 3-600-01 9-7, 9-10, 9-17)

SPRINKLERS	STANDPIPE	FIRE EXTINGUISHERS
BUILDING IS EQUIPPED WITH AN EXISTING SPRINKLER SYSTEM. THE SYSTEM WILL BE MODIFIED IN THE SCOPE OF WORK AREA AS REQUIRED.	BUILDING IS NOT EQUIPPED WITH A STANDPIPE SYSTEM. THE SCOPE OF WORK DOES NOT INCLUDE A NEW STANDPIPE SYSTEM.	BUILDING IS PROVIDED WITH EXISTING FIRE EXTINGUISHERS. NEW EXTINGUISHERS ARE PROVIDED IN THE SCOPE OF WORK AREA AS REQUIRED.

14. FIRE ALARM REQUIREMENTS (UFC 3-600-01 9-18)

MANUAL INITIATION	AUTOMATIC INITIATION	OCCUPANT NOTIFICATION
MANUAL FIRE ALARM PULL STATIONS AT ALL EXITS IN SCOPE OF WORK AREA	NOT REQUIRED IN ACCORDANCE WITH CODE FOR THIS SCOPE OF WORK AREA	HORNS AND STROBES IN SCOPE OF WORK AREA

15. FIRE EXTINGUISHER DISTRIBUTION (NFPA 10)

OCCUPANCY	PRIMARY CLASSIFICATION OF FIRE AND HAZARD	MINIMUM RATING	MAXIMUM FLOOR AREA PER A (SF)	MAX TRAVEL DISTANCE (FT)
ALL	CLASS A - ORDINARY	2-A	1,500	75

16. EMERGENCY LIGHTING AND EXITING (NFPA 101)

OCCUPANCY	EMERGENCY LIGHTING	EXIT SIGNAGE
ASSEMBLY	REQUIRED / PROVIDED	REQUIRED / PROVIDED
BUSINESS	REQUIRED / PROVIDED	REQUIRED / PROVIDED

MARK	DESCRIPTION	DATE
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SEAL

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SUITE 300
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A/E INFO

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DES	HJC	DRW	SCD	CHK	JTW

PM/DM OAH/RSJ

BRANCH MANAGER NAS

CHIEF ENG/ARCH ADV

FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

LIFE SAFETY NARRATIVE AND BUILDING CODE ANALYSIS

SCALE: AS NOTED

EPROJECT NO.: 1799717

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
15230811

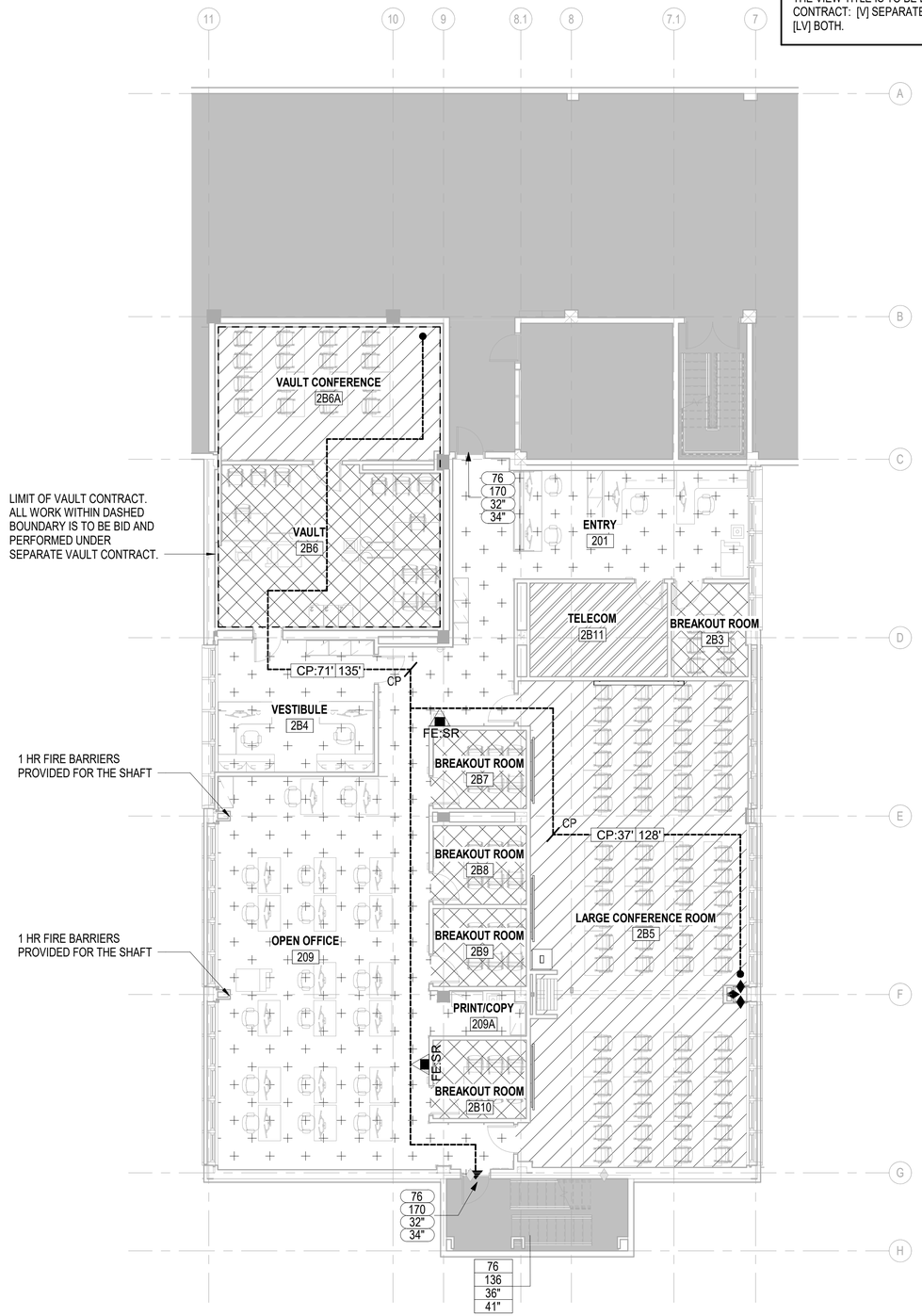
SHEET 3 OF 98

GI001

DRAWFORM REVISION: 14 SEP 2023

7/28/2026 5:09:22 PM GI001
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A2 SECOND FLOOR LIFE SAFETY PLAN - AREA B [LV]

SCALE: 1/8" = 1'-0"

SHEET NOTES

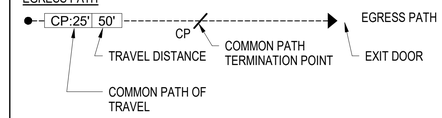
1. REFER TO GI001 FOR LIFE SAFETY NARRATIVE AND BUILDING CODE ANALYSIS.
2. REFER TO ARCHITECTURAL LEGEND FOR ADDITIONAL INFORMATION REGARDING DOORS AND WALLS.
3. REFER TO THE ELECTRICAL LIGHTING PLANS FOR LOCATION OF EXIT SIGNS AND EMERGENCY LIGHTING.
4. REFER TO THE FIRE SUPPRESSION AND ALARM PLANS FOR LOCATION OF FIRE PROTECTION DEVICES.
5. FINAL LOCATIONS OF FIRE EXTINGUISHERS MUST BE APPROVED BY THE AHJ PRIOR TO INSTALLATION.

LIFE SAFETY LEGEND

OCCUPANT LOAD LEGEND

ASSEMBLY WITHOUT FIXED SEATS	1 PERSON / 15 SF NET
BUSINESS AREAS	1 PERSON / 150 SF GROSS
IT EQUIPMENT AREAS	1 PERSON / 300 SF GROSS
COLLABORATION ROOMS	1 PERSON / 30 SF GROSS
NO FLOOR PLAN RECONFIGURATION UNO	

EGRESS PATH



DOOR EGRESS TAG — STAIR EGRESS TAG

78	OCCUPANTS SERVED	132
180	EXIT CAPACITY	180
32"	REQUIRED WIDTH	44"
36"	PROVIDED WIDTH	54"

FIRE AND SMOKE RESISTIVE CONSTRUCTION

EXISTING 1 HR FIRE BARRIER

NEW 1 HR FIRE BARRIER

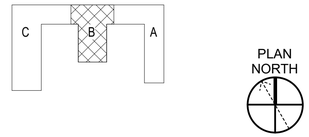
PORTABLE FIRE EXTINGUISHERS

FE:SR — EXTINGUISHER TYPE / EXTINGUISHER MOUNTING

- FE: FIRE EXTINGUISHER
- SR: SEMI-RECESSED CABINET

A:B:C: TYPE DRY CHEMICAL 4A:40B:C

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

PROFESSIONAL ENGINEER HUNG JIN CHIO FP 2264 07/31/2026 FIRE PROTECTION STATE OF CALIFORNIA

SEAL

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SATISFACTORY TO DATE 07/22/2026

DES	HJC
DRW	SCD
CHK	JTW
PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SECOND FLOOR LIFE SAFETY PLAN

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230812
SHEET	4 OF 98

GI101

DRAWFORM REVISION: 14 SEP 2023

7/28/2026 5:09:25 PM GI101
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CUI

GENERAL PROJECT SYMBOLS

DETAIL NUMBER
A1
OH
A-101
DETAIL TAG
SHEET WHERE DRAWN

ROOM NAME
ROOM NAME
425
ROOM TAG
ROOM NUMBER

A1
A-301
BUILDING
SECTION NUMBER
A1
A-301
BUILDING SECTION TAG
SHEET WHERE DRAWN

SECTION NUMBER
A1
A-301
WALL / PARTIAL BUILDING SECTION TAG
SHEET WHERE DRAWN

PHOTOGRAPH NUMBER
A1
A101
PHOTOGRAPH TAG
SHEET WHERE SHOWN

DIRECTION OF VIEW
ELEVATION NUMBER
A1
A-301
EXTERIOR ELEVATION TAG
SHEET WHERE DRAWN

INTERIOR ELEVATION NUMBER
A1
A1
A-401
A1
A1
INTERIOR ELEVATION TAG
SHEET WHERE DRAWN

?
DEMO KEYNOTE TAG
KEYNOTE NUMBER

?
NEW WORK KEYNOTE TAG
KEYNOTE NUMBER

DETAIL NUMBER
A1
ENLARGED PLAN
SCALE: 1/4" = 1'-0"
SCALE
SHEET REFERENCED FROM

A1
ENLARGED PLAN
SCALE: 1/4" = 1'-0"
SCALE
SHEET REFERENCED FROM
PLAN NORTH
TRUE NORTH

ARCHITECTURAL SYMBOLS

1
SPECIALTY ITEM NUMBER
SPECIALTY ITEM TAG

00
GLAZING TYPE NUMBER
GLAZING TYPE TAG

B
WINDOW TYPE LETTER
WINDOW TYPE TAG

PARTITION IN PLAN
S3.1
PARTITION TYPE TAG
PARTITION TYPE DESIGNATION (REFER TO PARTITION SCHEDULE)

101
DOOR NUMBER
DOOR TAG

MATERIALS LEGEND

SECTION VIEW

	DIMENSIONAL LUMBER
	WOOD BLOCKING
	PLYWOOD
	CONCRETE MASONRY UNIT
	BRICK
	CAST-IN-PLACE CONCRETE
	SAND/MORTAR/PLASTER
	EARTH/COMPACT FILL
	POROUS FILL/GRAVEL
	STEEL
	ALUMINUM
	BATT/LOOSE FILL INSULATION
	RIGID INSULATION
	GYPSUM BOARD
	ACOUSTICAL TILE
	CERAMIC TILE

ELEVATION/PLAN VIEW

	GLASS

ARCHITECTURAL ABBREVIATIONS

	-A-
ADJ	ADJACENT, ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
	-B-
BD	BOARD
BLDG	BUILDING
BO	BOTTOM OF, AS IN "BO STEEL"
	-C-
CJ	CONTROL JOINT, CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRUGATED OR CORRIDOR
	-D-
DBL	DOUBLE
DEMO	DEMOLITION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
	-E-
EA	EACH
EEW	EMERGENCY EYEWASH
EEWS	EMERGENCY EYEWASH & SHOWER
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION, AS IN HEIGHT
ELEC / ELECT	ELECTRIC / ELECTRICAL
ELEV	ELEVATOR, OR ELEVATION AS IN NORTH ELEV
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	AND SO FORTH (ETCETERA)
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
	-F-
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER WITH WALL BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FHC	FIRE HOSE CABINET (WITH EXTINGUISHER & BRACKET)
FHR	FIRE HOSE REEL (WITH EXTINGUISHER & BRACKET)
FIN	FINISHED, FINISH
FLR	FLOOR
FP	FIRE PROTECTION
FT	FEET / FOOT
	-G-
GA	GAUGE
GALV	GALVANIZED
GL	GIRT LINE
GYP	GYPSUM
GYP BD / GWB	GYPSUM BOARD
	-H-
H / HT	HEIGHT
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HVAC	HEATING, VENTILATION & AIR CONDITIONING
	-I-
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATION
INT	INTERIOR
	-J-
JAN	JANITOR'S CLOSET
	-L-
L	LEFT, LONG, LENGTH
LAB	LABORATORY
LAV	LAVATORY
LB or #	POUND
LVR	LOUVER
	-M-
MACH	MACHINE
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR / MNFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
	-N-
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
	-O-
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OPNG	OPENING
OPP	OPPOSITE
	-P-
PERIM	PERIMETER
PKG	PACKAGE
PL	PLATE
PLMB	PLUMBING
PLYWD	PLYWOOD
PROJ	PROJECT
PVC	POLYVINYL CHLORIDE
	-R-
R	RADIUS
RCP	REFLECTIVE CEILING PLAN
RD	ROOF DRAIN
RECP	RECEPTACLE (ASK INT)
REFER	REFERENCE
REINF	REINFORCED
REQ'D	REQUIRED
REV	REVISION
RO	ROUGH OPENING
	-S-
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SID	STRUCTURAL INTERIOR DESIGN (ASK INT)
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE, AS IN "SQ FT"
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STOR	STORAGE
STRUCT	STRUCTURAL
SUPP	SUPPORT
SUSP	SUSPENDED
SYS	SYSTEM
	-T-
TD	TRENCH DRAIN
TECH	TECHNICAL
THRU	THROUGH
TLT	TOILET
TO	TOP OF, AS IN "TO STEEL"
TYP	TYPICAL
	-U-
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
	-V-
VENT	VENTILATE, VENTILATOR
VERT	VERTICAL
VIF	VERIFY IN FIELD
VOL	VOLUME
	-W-
W	WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WT	WEIGHT

ARCHITECTURAL GENERAL NOTES

1. WORK MUST COMPLY WITH APPLICABLE CODES AND STANDARDS AS LISTED OR REFERENCED ON LIFE SAFETY PLAN AND LIFE SAFETY CRITERIA OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
2. DIMENSIONS GOVERN. DETAILS GOVERN OVER PLANS AND ELEVATIONS. LARGE SCALE DETAILS OR PLANS GOVERN OVER SMALL SCALE DETAILS OR PLANS. DO NOT SCALE DRAWINGS.
3. ANY MANUFACTURER'S OR BRAND NAME PRODUCTS INDICATED OR SPECIFIED ARE DONE SO TO ESTABLISH A MINIMUM LEVEL OF QUALITY.
4. CONSTRUCTION MUST MEET OR EXCEED LOCAL INDUSTRY STANDARDS. DETAILS ARE PROVIDED TO INDICATE MINIMUM QUALITY AND TO GIVE STANDARDS OF CONSTRUCTION. INCORPORATE SIMILAR DETAILS AT SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
5. THE LETTERS I, O, AND Q ARE NOT USED TO INDICATE DETAILS, SECTIONS OR ELEVATIONS.
6. PAINT, STAIN, OR COAT EXPOSED SURFACES OF CONSTRUCTION UNLESS NOTED OTHERWISE OR IF SURFACES ARE PRE-FINISHED.
7. OPENING DIMENSIONS ARE NOMINAL. FIELD MEASURE OPENINGS AND COORDINATE WITH THE APPROPRIATE SUPPLIER FOR DOORS AND WINDOWS.
8. PROVIDE GALVANIC PROTECTION BETWEEN DISSIMILAR MATERIALS, WHERE REQUIRED.
9. SEAL EXTERIOR BUILDING JOINTS AT BOTH THE EXTERIOR AND INTERIOR SURFACES AGAINST MOISTURE AND AIR INFILTRATION.
10. SEAL AROUND DOOR AND WINDOW FRAMES, COUNTERTOPS, WALL-MOUNTED FIXTURES AND EQUIPMENT TO ADJACENT WALL SURFACES.
11. COORDINATE PENETRATIONS IN THE STRUCTURE FOR THE PROPER INSTALLATION OF THE WORK.
12. PROVIDE ACCESS DOORS OR PANELS AS REQUIRED FOR SERVICING OF PIPING, DUCTWORK, CABLE TRAYS, FIRE DAMPERS AND SIMILAR APPLICATIONS. PROPOSED ACCESS DOOR LOCATIONS TO BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.
13. PROVIDE HVAC, PLUMBING, GAS OR ELECTRIC SERVICE CONNECTIONS TO CASEWORK, FIXTURES, SIGNAGE, OR EQUIPMENT INDICATED (WHETHER UNITS ARE INSTALLED BY CONTRACTOR OR BY OTHERS).
14. BRACE PARTITIONS, SUSPENDED CEILINGS, SOFFITS, SUSPENDED ITEMS, ETC. ONLY TO STRUCTURAL ELEMENTS ABOVE. DO NOT ANCHOR TO ROOF DECK, PLUMBING / SPRINKLER PIPES, DUCTWORK, ELECTRICAL CONDUIT OR SIMILAR ELEMENTS.
15. DRAWINGS CONTAINED IN THIS SET SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS. COPIES OF THESE DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED AND RETURNED TO THE CONTRACTOR.
16. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE CONTRACTING OFFICER FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.
17. EXAMINE SUBSTRATE AND/OR CONDITIONS UNDER WHICH THE WORK WILL BE INSTALLED AND REPORT TO THE CONTRACTING OFFICER IN WRITING ANY CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY EXECUTION OF THE INSTALLERS WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED. INSTALLATION SHALL CONSTITUTE ACCEPTANCE OF THE SUBSTRATE AND/OR CONDITIONS.
18. "TYPICAL" (TYP) AS USED IN THESE DOCUMENTS MEAN THAT THE CONDITIONS OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT.
19. NON-BEARING PARTITIONS MUST BE ISOLATED FROM THE BUILDING STRUCTURE TO PREVENT TRANSFER OF BUILDING LOADS FROM THE STRUCTURE TO THE PARTITIONS.
20. PRIOR TO BEGINNING ANY WORK, NOTIFY CONTRACTING OFFICER OF ANY EXISTING MATERIALS OBSERVED TO POSSIBLY CONTAIN ASBESTOS.
21. REMOVE EXISTING WORK AS INDICATED AND AS REQUIRED TO ACCOMPLISH NEW WORK.
22. PROTECT EXISTING WORK TO REMAIN. PERFORM CUTTING TO ACCOMPLISH REMOVALS NEATLY AND AS SPECIFIED FOR CUTTING NEW WORK. REPAIR ADJACENT CONSTRUCTION AND FINISH DAMAGED DURING REMOVAL WORK. PATCH AS SPECIFIED FOR PATCHING NEW WORK.
23. "EXISTING" INFORMATION ON THE CONTRACT DOCUMENTS HAS BEEN OBTAINED FROM A PREVIOUS SET OF DRAWINGS, OR FROM FIELD INVESTIGATION AND SUCH "EXISTING" INFORMATION MUST BE FIELD VERIFIED.
24. COORDINATE WITH THE CONTRACTING OFFICER FOR DESIGNATED CONSTRUCTION STAGING LOCATIONS, STORAGE AREAS, AND CONSTRUCTION SEQUENCING.
25. THE PREMISES WILL BE OCCUPIED AT TIMES DURING THE CONSTRUCTION SCHEDULE. COORDINATE WITH THE CONTRACTING OFFICER REGARDING INTERRUPTIONS OF UTILITIES, TEMPORARY EXITS, DUST PARTITIONS, DELIVERIES, AND OTHER JOB REQUIREMENTS.

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 05-06-2027.

STATE OF MARYLAND
SHANE E. HEROD
21587
ARCHITECT
07/31/26
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW SEH	CHK JMD
PM/DM	OAH/RSJ		
BRANCH MANAGER	NAS		
CHIEF ENG/ARCH	ADV		
FIRE PROTECTION	JPH		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
ARCHITECTURAL SYMBOLS, LEGENDS, ABBREVIATIONS AND NOTES

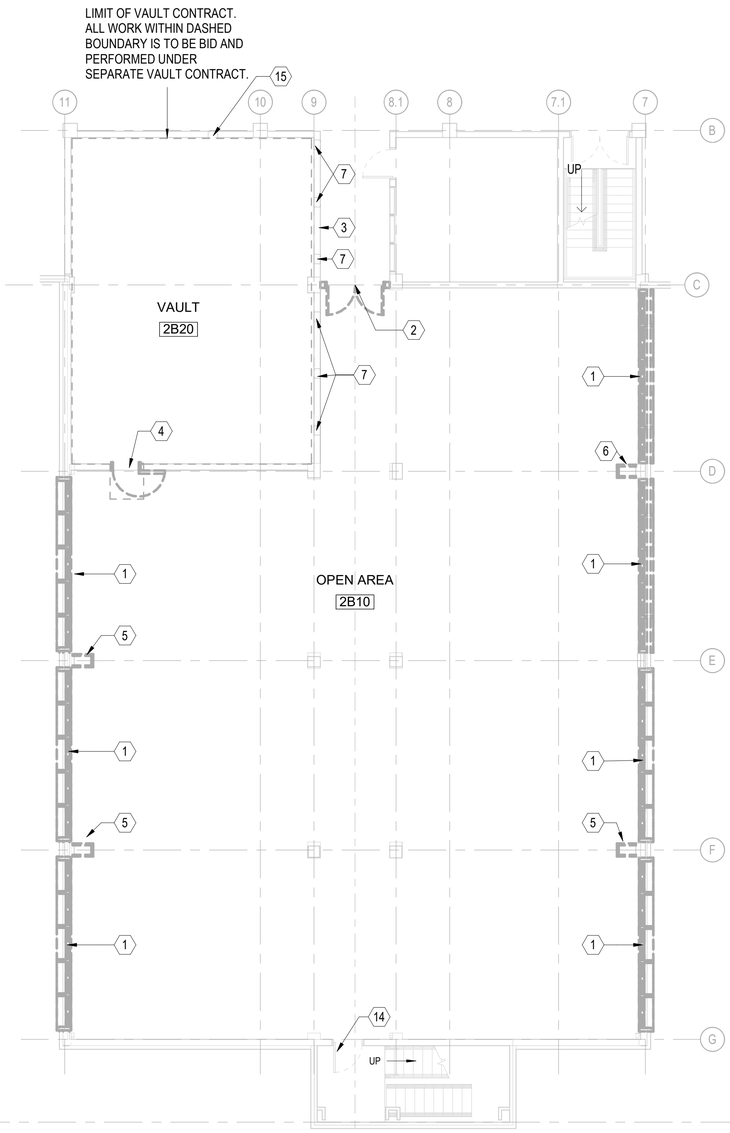
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230813
SHEET	5 OF 98

A-001

DRAW:FORM REVISION: 14 SEP 2023

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CUI



A1 DEMOLITION SECOND FLOOR PLAN - AREA B [LV]

SCALE: 1/8" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET KEYNOTES

1 DEMOLISH EXISTING HISTORIC WINDOWS. DEMOLISH EXISTING WINDOW TREATMENTS INCLUDING BRACKETS AND HARDWARE. CAREFULLY PROTECT CAST-IN-PLACE SURROUND. PREPARE OPENING FOR INSTALLATION OF SCHEDULED WINDOWS.

2 DEMOLISH STOREFRONT AND PREPARE OPENING RECEIVE SCHEDULED CONSTRUCTION.

3 DEMOLISH EXISTING ACOUSTICAL WALL PANELS

4 DEMOLISH EXISTING VAULT DOOR. PROTECT PRECAST VAULT WALLS. PREPARE OPENING FOR INSTALLATION OF NEW RF SHIELDED DOOR.

5 DEMOLISH EXISTING METAL CHASE PANELS.

6 DEMOLISH EXISTING METAL CHASE PANELS. DEMOLISH EXISTING MEP SYSTEMS IN CHASE TO BELOW FLOOR LEVEL, REF: PLUMBING, ELECTRICAL. PREPARE FLOOR SLAB FOR INFILL.

7 [L] DEMOLISH EXISTING 12" X 6" THROUGH WALL VENT. PREPARE FOR INFILL.

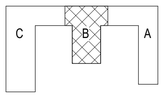
14 DEMOLISH EXISTING DOOR HARDWARE. PATCH AND FINISH EXISTING DOOR AND FRAME TO MATCH ADJACENT SURFACES AND PREPARE TO RECEIVE NEW HARDWARE.

15 [L] DEMOLSH EXISTING 2" X 6" THROUGH WALL VENT. PREPARE FOR INSTALLATION OF SECURITY GRILL

SHEET NOTES

1. REMOVE EXISTING CONSTRUCTION TO THE EXTENT INDICATED ON THE DRAWINGS. PROTECT ALL OTHER EXISTING STRUCTURES ON ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION. SHOULD ANY DAMAGE OCCUR TO ANY EXISTING CONSTRUCTION ON ADJACENT PROPERTIES OR EXISTING CONSTRUCTION TO REMAIN ON SITE, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO THE SATISFACTION OF THE PROPERTY OWNER. REMOVE DEBRIS REGULARLY AS NECESSARY TO ELIMINATE INTERFERENCE.
2. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN THE OWNER'S PROPERTY, DEMOLISHED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE WITH FURTHER DISPOSITION AT THE CONTRACTOR'S OPTION.
3. ALL DEMOLISHED MATERIALS SHALL BE LEGALLY DISPOSED OF PROMPTLY. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE. NO BURNING IS ALLOWED.
4. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, DETERMINE THE NATURE AND EXTENT OF THE CONFLICT AND NOTIFY THE CONTRACTING OFFICER IMMEDIATELY FOR RESOLUTION.
5. HAZARDOUS MATERIALS, INCLUDING ASBESTOS, PCBS, AND LEAD, MAY BE ENCOUNTERED. DO NOT DISTURB SUSPECT MATERIALS; IMMEDIATELY NOTIFY THE CONTRACTING OFFICER. REFER TO THE HAZARDOUS MATERIALS SURVEY REPORT DATED 23 MARCH 2021 FOR DETAILS.
6. THIS DEMOLITION PLAN OUTLINES THE SCOPE OF THE WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. REFER TO THE DRAWINGS FOR THE CONSTRUCTION OF THE NEW ADDITION FOR ADDITIONAL INFORMATION.
7. ALL WORK MUST BE COORDINATED WITH THE CONTRACTING OFFICER WITH REGARD TO SCHEDULE AND DISRUPTION OF BUSINESS OPERATIONS.
8. ALL FURNITURE WILL BE REMOVED OR RELOCATED BY THE CONTRACTING OFFICER AS NECESSARY PRIOR TO THE DEMOLITION WORK OF THIS PROJECT.
9. CARE SHOULD BE MADE TO KEEP DUST AND NOISE FROM DEMOLITION ACTIVITIES FROM THE OTHER PORTIONS AND FLOORS OF THE BUILDING. ERECT AND MAINTAIN DUSTPROOF PARTITIONS. COVER AND PROTECT FURNISHINGS AND EQUIPMENT THAT HAVE NOT BEEN REMOVED.
10. PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDING AREAS TO REMAIN.
11. FLOOR MUST BE FREE OF DUST, DIRT, OIL, GREASE, PAINT, WAX OR ANY DEBRIS THAT COULD AFFECT INSTALLATION OF FLOOR FINISHES.
12. ALL EXISTING AND NEWLY CREATED HOLES, VOIDS, AND PENETRATIONS IN WALLS, FLOORS, AND CEILINGS SCHEDULED TO REMAIN, INCLUDING THOSE RESULTING FROM ABANDONED PIPING, CONDUIT, DUCTWORK, OR DEMOLITION, SHALL BE INFILLED AND REPAIRED TO MATCH THE ADJACENT ASSEMBLY IN MATERIAL, THICKNESS, FIRE-RESISTANCE RATING, AND ACOUSTIC INTEGRITY. PATCHED SURFACES SHALL BE FLUSH, SMOOTH, AND FREE OF DEFECTS, MATCHING THE ADJACENT SURFACE PROFILE AND TEXTURE, READY TO RECEIVE SPECIFIED FINISHES.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

STATE OF MARYLAND
STEPHANIE E. HERRON
21587
ARCHITECT
07/31/26
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number: 21587, expiration date: 05-06-2027.

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
DEMOLITION - SECOND FLOOR PLAN

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230814
SHEET	6 OF 98

AD101

DRAWFORM REVISION: 14 SEP 2023

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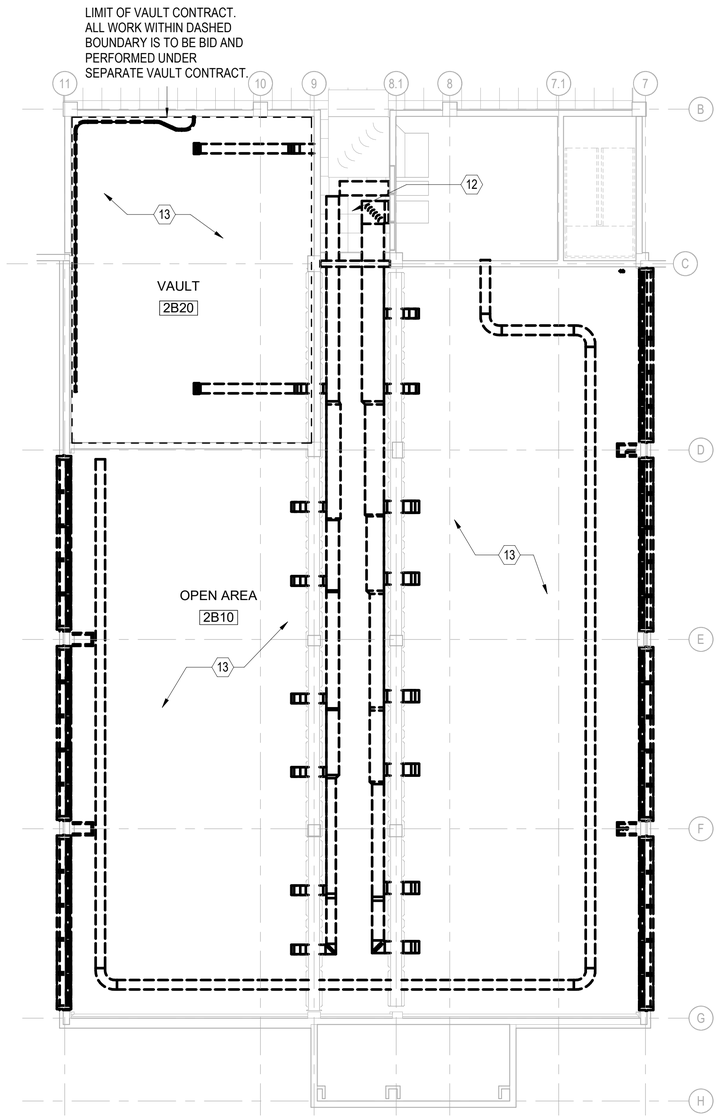
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. DEMOLISH CEILING FINISHES & FIXTURES AT AREAS OF WALL DEMOLITION UNLESS NOTED OTHERWISE.
2. ALL CEILINGS, LIGHTING, SPEAKERS, ETC. SHALL BE REMOVED IN ALL AREAS SHOWN TO RECEIVE A NEW CEILING ON THE REFLECTED CEILING PLAN.
3. ALL SPRINKLER HEADS TO REMAIN ACTIVE AT ALL TIMES. COORDINATE WORK BETWEEN DISCIPLINES.

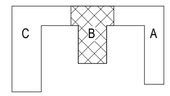
SHEET KEYNOTES

12 COORDINATE CEILING DEMOLITION FOR MECHANICAL WORK IN ENTRYWAY.
13 DEMOLISH CEILING FIXTURES. RE: ELEC, MECH, FIRE PROTECTION, AND TELECOM PLANS FOR EXTENT OF CEILING LEVEL DEMOLITION WORK.



A1 2ND FLOOR DEMO CEILING PLAN - AREA B [LV]
SCALE: 1/8" = 1'-0"

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number 21587, expiration date 06-09-2027.

STATE OF MARYLAND
SHANE E. HEARD
21587
ARCHITECT
07/31/26
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026
DES SEH | DRW SEH | CHK JMD
PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

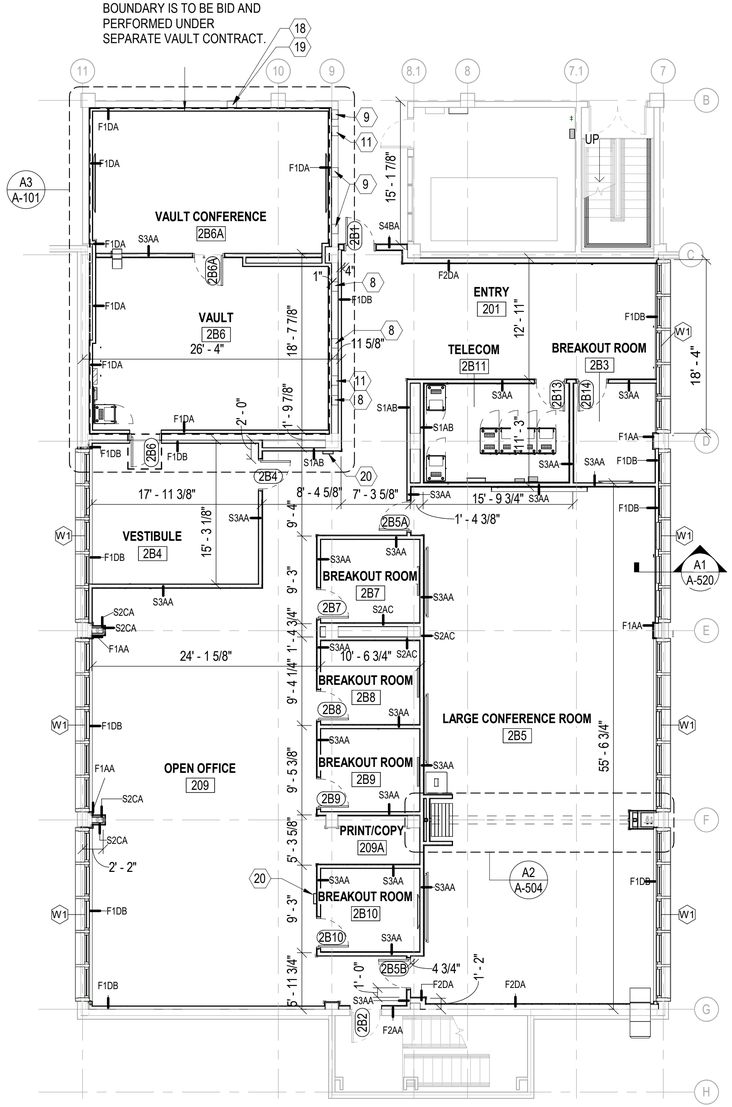
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC SOUTHEAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
DEMOLITION - SECOND FLOOR REFLECTED CEILING PLAN

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
15230815
SHEET 7 OF 98
AD102
DRAWFORM REVISION: 14 SEP 2023

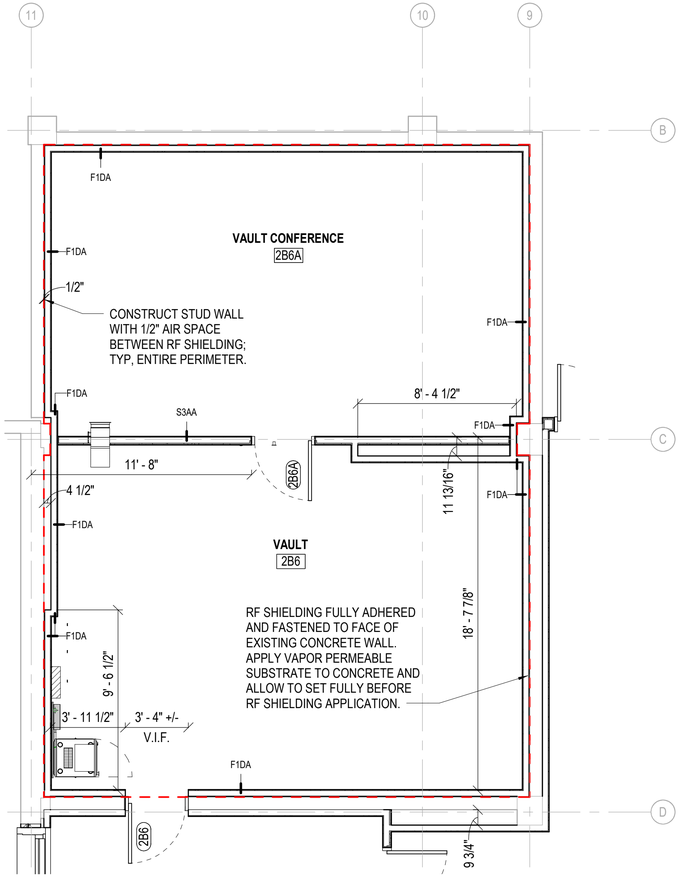
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

LIMIT OF VAULT CONTRACT. ALL WORK WITHIN DASHED BOUNDARY IS TO BE BID AND PERFORMED UNDER SEPARATE VAULT CONTRACT.



NOTES:
1. WITHIN THE VAULT BOUNDARY, ANY WALL MOUNTED EQUIPMENT MUST BE SUPPORTED ON MTL STUDS OR OTHER SUPPORTS AND CANNOT ATTACH THRU ADHEARED RF SHIELDING TO CONCRETE WALLS.
2. PATCH EXISTING WALLS, FLOORS, AND CEILINGS SMOOTH PRIOR TO RECEIVING ADHESIVE AND RF SHIELDING



A1 SECOND FLOOR PLAN - AREA B [LV]
SCALE: 1/8" = 1'-0"

A3 ENLARGED VAULT CONTRACT PLAN [V]
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. FOR ARCHITECTURAL GENERAL NOTES, MATERIAL LEGEND, AND ABBREVIATIONS REFER TO SHEET A-001.
2. REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED WALLS AND SMOKE PARTITIONS ARE CONTINUOUS ACROSS ALL DOOR OPENINGS.
3. FOR PARTITION TYPES CONSTRUCTION AND DESCRIPTION REFER TO PARTITION TYPES SHEET.
4. FOR DIMENSIONS OR ADDITIONAL INFORMATION NOT ILLUSTRATED, REFER TO LARGER SCALE DRAWINGS.
5. DOOR LOCATIONS NOT DIMENSIONED ARE 4 INCHES FROM FACE OF GYPSUM BOARD FINISH WALL TO OUTSIDE EDGE OF DOOR FRAME.
6. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL MILLWORK TRIM AND INFILL PANELS AT ALL UNDERCOUNTER / CABINET LOCATIONS.
7. REFER TO FINISH SCHEDULE AND FINISH PLANS FOR ADDITIONAL FINISH INFORMATION.
8. *PROVIDE 18GA METAL PLATE OR FIRE TREATED WOOD BLOCKING IN WALL FOR TOILET FIXTURES, ACCESSORIES, EQUIPMENT, FLOOR AND WALL MOUNTED TOILET PARTITIONS, AND COUNTERTOP MOUNTING SUPPORTS.*
9. REFERENCE THE REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL DIMENSIONS ARE FROM: COLUMN GRID LINE, FACE OF CMU WALL, FACE OF METAL STUD, AND FACE OF PRECAST CONCRETE WALL PANEL, UNLESS NOTED OTHERWISE.
11. THE FIRST FLOOR FINISHED FLOOR ELEVATION IS 100'-0" UNLESS NOTED OTHERWISE.
12. REFERENCE FURNITURE PLANS FOR LOCATIONS OF WALL ACCESSORIES AND VISUAL DISPLAY EQUIPMENT. PROVIDE BLOCKING AS REQUIRED
13. VERIFY DIMENSIONS IN THE FIELD.

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 05-08-2027.

SHEET KEYNOTES

8 [L] INFILL 12" X 6" OPENING. PLACE GYPSUM BOARD BOTH SIDES. PACK WITH MINERAL WOOL. ENSURE VAULT SIDE IS SMOOTH AND READY TO RECEIVE ADHESIVE AND RF SHIELDING. RE: B2/A-502

9 [L] INFILL 12" X 6" OPENING. PLACE GYPSUM BOARD BOTH SIDES, PACK WITH MINERAL WOOL. ENSURE VAULT SIDE IS SMOOTH AND READY TO RECEIVE DHESIVE AND RF SHIELDING. PREPARE EXTERIOR CORRIDOR SIDE FOR PAINTING. RE: B2/A-502

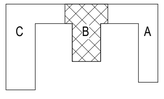
11 [L] INFILL ABANDONED DUCT PENETRATION OPENING. PLACE GYPSUM BOARD BOTH SIDES, PACK WITH MINERAL WOOL. DUCT PENETRATION LOCATED APROX. 9'-10" A.F.F. RE: B2/A-502

18 [L] INSTALL TAMPERPROOF SECURITY GRILL. RE:MECH

19 [V] INFILL 12" X 6" OPENING. PLACE GYPSUM BOARD BOTH SIDES, PACK WITH MINERAL WOOL. ENSURE VAULT SIDE IS SMOOTH AND READY TO RECEIVE DHESIVE AND RF SHIELDING. PREPARE EXTERIOR CORRIDOR SIDE FOR PAINTING. RE: B2/A-502. PAINT CORRIDOR SIDE TO MATCH EXISTING.

20 [L] SEMI-RECESSED FIRE EXTINGUISHER CABINET. RE: B1/A-503 AND A2/IF101

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

1/4" =1'-0" 0' 2' 4' 8'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

SECOND FLOOR PLAN

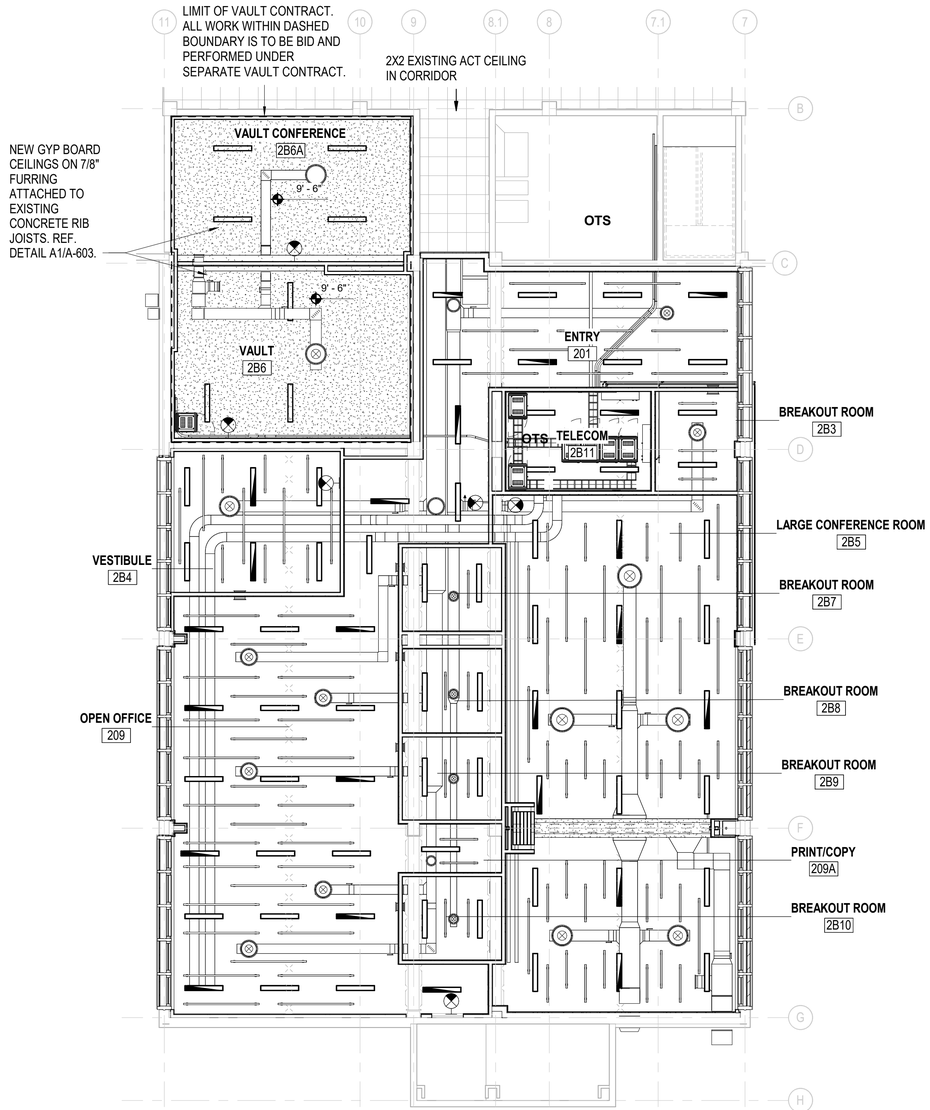
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EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230816
SHEET	8 OF 98

A-101

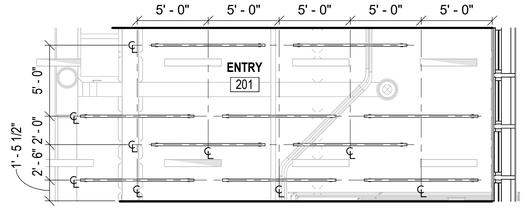
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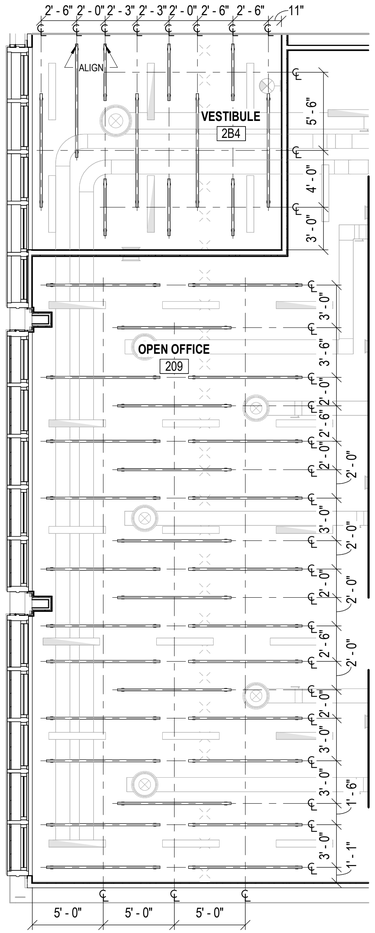
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



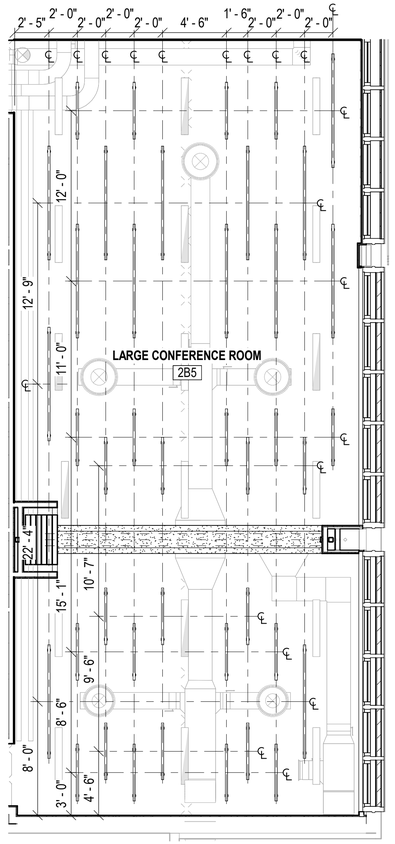
A1 2ND FLOOR CEILING PLAN - AREA B [LV]
SCALE: 1/8" = 1'-0"



C4 BAFFLE PLAN DETAIL
SCALE: 3/16" = 1'-0"



A3 BAFFLE PLAN DETAIL
SCALE: 3/16" = 1'-0"



A4 BAFFLE PLAN DETAIL
SCALE: 3/16" = 1'-0"

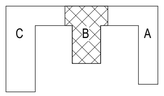
SHEET NOTES

1. FOR ARCHITECTURAL GENERAL NOTES, MATERIAL LEGEND, AND ABBREVIATIONS REFER TO SHEET A-001.
2. ARCHITECTURAL CEILING PLANS INDICATE DIMENSIONING AND PLACEMENT OF VARIOUS CEILING MOUNTED DEVICES. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR ALL OTHER INFORMATION FOR MEP SYSTEMS INCLUDING BUT NOT LIMITED TO FIRE SUPPRESSION, FIRE ALARM DEVICES, SECURITY DEVICES, EXIT DEVICES, DIFFUSERS, LIGHTING, LIGHTING CONTROL DEVICES, AND ACCESS PANELS.
3. CEILING HEIGHTS ARE SHOWN TO HEIGHT ABOVE FINISH FLOOR.
4. REFERENCE ROOM FINISH SCHEDULE FOR ADDITIONAL CEILING FINISH INFORMATION.
5. CEILING MOUNTED EXIT SIGNS TO BE CENTERED WITHIN DOOR FRAME OR OPENING. MOUNT 4" OFF FACE OF WALL.
6. ALL SPRINKLERS, JUNCTION BOXES & SMOKE DETECTORS TO ALIGN WITH ADJACENT LIGHT FIXTURES, UNLESS NOTED OTHERWISE.
7. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH THE FINAL LOCATIONS OF MECHANICAL EQUIPMENT AS REQUIRED TO SERVICE EQUIPMENT AND TO PROVIDE ACCESS TO ALL ABOVE CEILING EQUIPMENT.
8. AT CONTINUOUS RUNS OF GYPSUM BOARD ASSEMBLIES, PROVIDE CONTROL JOINTS AT A MAXIMUM OF (1) PER 50 FEET, NOT TO EXCEED INDIVIDUAL AREAS OF 2,500 SQUARE FEET.
9. IN ROOMS THAT HAVE OPERABLE WALL PARTITIONS, CEILING DIMENSIONS AND HEIGHTS NOTED ON ONE SIDE OF THE ROOM ALSO APPLY TO THE OTHER SIDE OF THE ROOM, UNLESS NOTED OTHERWISE.

CEILING LEGEND

- OTS — EXPOSED EXISTING CONCRETE DECK WITH RIB JOISTS, PAINTED / OPEN TO STRUCTURE
- GYPSUM BOARD - PAINT
- ACOUSTICAL BAFFLES SUSPENDED BETWEEN CONCRETE RIB JOISTS, AND ATTACHED TO EXISTING FLOOR DECK ABOVE. B.O. BAFFLE = 8' - 2" MAX A.F.F. SIZES: 4'W X 1'H AND 8'W X 1'H, AS INDICATED.
- 6" x 4' LED EMERGENCY FIXTURE - SUSPENDED
- 6" x 4' LED FIXTURE - SUSPENDED
- 10' - 0" — CEILING HEIGHT ABOVE FINISH FLOOR
- HVAC AIR SUPPLY GRILLE
- HVAC LINEAR AIR SUPPLY GRILLE
- HVAC EXHAUST OR RETURN GRILLE
- EXIT SIGN
- CABLE TRAY
- PROJECTOR; RE: TA SERIES DRAWINGS

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

3/16" =1'-0" 0' 4' 8' 12'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

STATE OF MARYLAND — SHANE E. HERACO — 21581 — ARCHITECT — 07/31/26
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number 21587, expiration date 06-06-2027.

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD
PM/DM	OAH/RSJ				
BRANCH MANAGER	NAS				
CHIEF ENG/ARCH	ADV				
FIRE PROTECTION	JPH				

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SECOND FLOOR REFLECTED CEILING PLAN

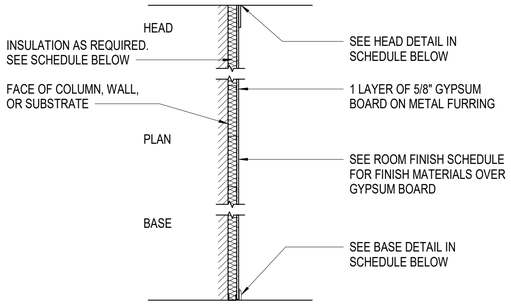
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230817
SHEET	9 OF 98

A-102

DRAWFORM REVISION: 14 SEP 2023

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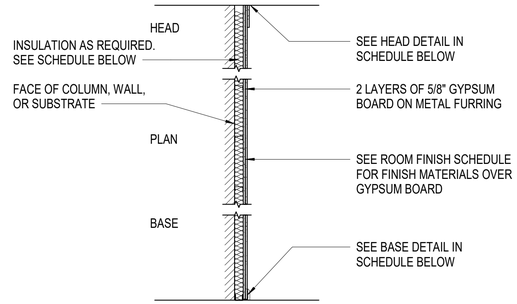
PARTITION TYPE F1



TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
F1AA	-	-	-	B1/A-502	A3/A-502	7/8" FURRING STRIPS AT 24" O.C. HORIZONTALLY
F1DA	STC-50*	-	-	B1/A-502	A3/A-502	1 LAYER OF 5/8" GYPSUM BOARD ON 2-1/2" FURRING STUD AT 16" O.C. VERTICALLY WITH MINERAL WOOL BLANKET INSULATION. OFFEST FROM RF SHIELDING 1/2". ADHERE RF SHIELDING BARRIER TO CONCRETE. TAPE ALL SEAMS TIGHT. REFER TO DETAIL A1/A-601
F1DB	-	-	-	B1/A-502	A3/A-502	3 5/8" FURRING STUDS AT 16" O.C. VERTICALLY

*NOTE: STC RATING LISTED IS CONSIDERATE OF ENTIRE ASSEMBLY INCLUSIVE OF MASS MASONRY CONCRETE.

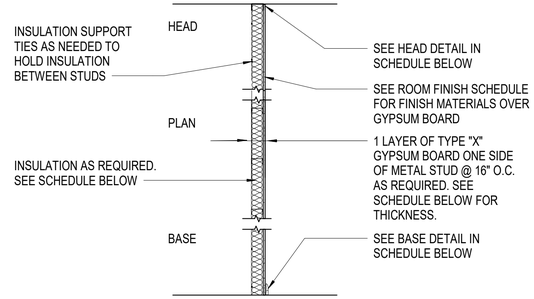
PARTITION TYPE F2



TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
F2AA	-	-	-	B1/A-502	A3/A-502	3 5/8" FURRING STUDS AT 16" O.C. VERTICALLY
F2DA	STC-50*	-	-	B1/A-502	A3/A-502	6" FURRING STUDS WITH R-13 MINERAL WOOL INSULATION.

*NOTE: STC RATING LISTED IS CONSIDERATE OF ENTIRE ASSEMBLY INCLUSIVE OF MASS MASONRY CONCRETE.

PARTITION TYPE S1



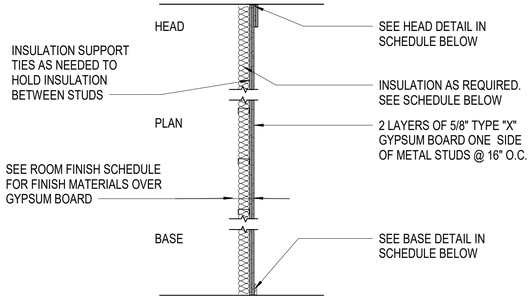
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S1AB	-	-	-	B1/A-502	A1/A-502	5/8" GYP BOARD ON 3 5/8" METAL STUDS WITHOUT BLANKET INSULATION.
S1AC	-	60 MIN	U419	B1/A-502	A1/A-502	5/8" GYP BOARD ON 3 5/8" METAL STUDS WITHOUT BLANKET INSULATION.

GYPSUM BOARD OF FIRE RATED PARTITIONS MUST EXTEND FULLY TO EXTERIOR WALLS AND HAVE CONTINUOUS FIRE SEALANT.

GENERAL SHEET NOTES

1. WHERE STRUCTURAL MEMBERS PENETRATE FIRE-RATED GYPSUM BOARD WALLS, TAPE & SEAL WITH FIRE STOPPING SEALANT. WHERE STRUCTURAL MEMBERS PENETRATE FIRE-RATED CMU OR CONCRETE WALLS, SEAL WITH FIRE STOPPING SEALANT.
2. PROVIDE BLOCKING FOR SECURE ANCHORAGE OF ALL TRIM, SHELVES, DOOR STOPS, MILLWORK, FIRE EXTINGUISHER CABINETS, AND OTHER WALL MOUNTED ACCESSORIES, EQUIPMENT AND MATERIALS.
3. METAL STUDS AND BRACING MUST BE 20 GAUGE UNLESS NOTED OTHERWISE. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. REFERENCE FLOOR PLANS FOR PARTITION TYPE LOCATIONS.
5. BRACE METAL STUD PARTITIONS IN ACCORDANCE WITH ASTM C754 WITH A MINIMUM L/240 DEFLECTION LIMIT AND A MINIMUM 5 PSF LATERAL PRESSURE.
6. PARTITIONS DESIGNATED AS STC-45 (MINIMUM) OR AS STC-50 (MINIMUM) MUST BE SUBJECT TO TESTING TO DETERMINE STC VALUES. STC (SOUND TRANSMISSION CLASS) VALUES ARE BASED ON PERFORMANCE OF SPEECH FREQUENCIES FROM 125-4000 Hz.
7. REFER TO DRAWING A-503 FOR TYPICAL PENETRATION DETAILS THROUGH FIRE-RATED PARTITIONS.
8. NON-LOAD-BEARING COLD-FORMED FRAME PARTITION OR METAL STUD FRAME PARTITION DEFLECTION HEAD DESIGN:
   A. NON-LOAD-BEARING PARTITION HEADS MUST ALLOW FOR FLOOR OR ROOF DEAD LOAD AND LIVE LOAD DEFLECTION.
   B. DEFLECTION CLIP OR SLOTTED TRACK MAY BE USED FOR MIN TO 2 INCHES OF DEFLECTION (FASTENER LOCATION MUST ALLOW BOTH MAXIMUM UPWARD AND MAXIMUM DOWNWARD MOVEMENT).
9. THE RF SHIELDING SYSTEM MUST BE CONTINUOUS, AND CONTINUOUSLY LAPPED AND SEALED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS SUCH THAT THERE IS NO BREAK IN RF SHIELDING PROTECTION. PROVIDE CONTINUOUS RF SHIELDING AROUND ALL PENETRATIONS AND EXTEND SHIELDING NOT LESS THAN 8" ONTO PENETRATING ITEM (CONDUIT, DUCTWORK, ETC). FIRMLY AFFIX SHIELDING TO PENETRATING ITEM BY MEANS OF SHIELDING MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL FASTENERS THAT PENETRATE THE RF SHIELDING SYSTEM MUST BE COMPATIBLE. REFERENCE SPECIFICATION SECTION 13 49 20 RF SHIELDING.
10. SECURE INSULATION IN STUD CAVITY TO AVOID COMPRESSION OR SLIPPAGE.
11. WHERE MULTIPLE LAYERS OF GYPSUM BOARD ARE USED. STAGGER JOINTS BETWEEN LAYERS OF GYPSUM BOARD.
12. WHERE CONTINUOUS RF SHIELDING RADIANT BARRIER IS IN A WALL ADJACENT TO DOOR FRAME, THE RADIANT BARRIER MUST LAP BEHIND DOOR FRAME AND BE ATTACHED TO BACK OF DOOR FRAME.
13. AT NON-RATED INTERIOR AND EXTERIOR WALL ASSEMBLIES, SEAL PERIMETER JOINTS, PENETRATIONS, AND VOIDS WITH LATEX ACOUSTICAL JOINT SEALANT. AT STC-RATED PARTITIONS, ADDITIONALLY PROVIDE CONTINUOUS BEADS OF LATEX ACOUSTICAL JOINT SEALANT BENEATH RUNNER TRACKS AND EACH LAYER OF GYPSUM BOARD.
14. AT FIRE-RATED PARTITIONS, SEAL PERIMETER JOINTS, PENETRATIONS, AND VOIDS WITH PAINTABLE FIRE-RESISTIVE SYSTEMS TO MATCH PARTITION RATING.

PARTITION TYPE S2

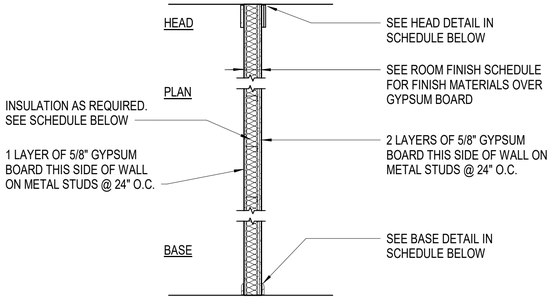


TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S2AC	STC-50*	-	-	B1/A-502	A2/A-502	3 5/8" METAL STUDS WITH R-13 MINERAL WOOL BLANKET INSULATION. 2 LAYERS GWB ONE SIDE.
S2CA	STC-50	60 MIN	U419	B1/A-502	A1/A-502	2 LAYERS 5/8" GYP BOARD ON 1 5/8" METAL STUDS WITH MINERAL WOOL BLANKET INSULATION.
S2CB	STC-50	-	U419	B1/A-502	A1/A-502	2 LAYERS 5/8" GYP BOARD ON 1 5/8" METAL STUDS WITH MINERAL WOOL BLANKET INSULATION.

*NOTE: STC RATING LISTED IS CONSIDERATE OF ENTIRE ASSEMBLY BETWEEN OCCUPIED SPACES.

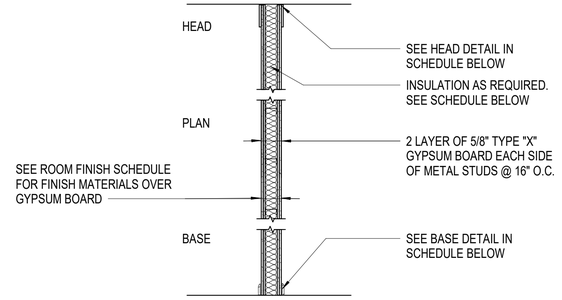
GYPSUM BOARD OF FIRE RATED PARTITIONS MUST EXTEND FULLY TO EXTERIOR WALLS AND HAVE CONTINUOUS FIRE SEALANT. SEALANT MUST ALSO BE ACOUSTIC IF STC-RATED.

PARTITION TYPE S3



TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S3AA	STC-50	-	-	B1/A-502	A2/A-502	3 5/8" METAL STUDS WITH MINERAL WOOL INSULATION.

PARTITION TYPE S4



TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S4BA	STC-50	-	-	B1/A-502	C1/A-502	6" METAL STUDS WITH BLANKET INSULATION.

PARTITION TYPE SYMBOL LEGEND:

INDICATES TYPE OF PARTITION STRUCTURE:
F = FURRING METAL STUD
S = METAL STUD
H = C-H METAL STUD
M = MASONRY

INDICATES THICKNESS OF PARTITION STRUCTURE

S1AA

INDICATES NUMBER OF LAYERS OF GYPSUM BOARD OR TYPE OF CMU FINISH

INDICATES VARIATION OF PARTITION WITH THE SAME STRUCTURE, FINISH, AND STRUCTURE THICKNESS

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

STATE OF MARYLAND
SHANE E. HEACOX
21581
ARCHITECT
07/31/26
SEAL

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 06-09-2027.

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

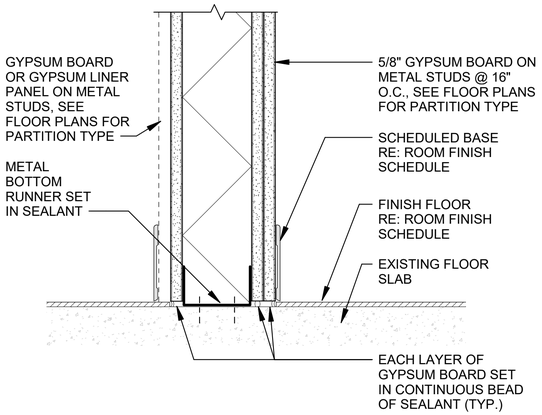
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW SEH	CHK JMD
PM/DM			OAH/RSJ
BRANCH MANAGER			NAS
CHIEF ENG/ARCH			ADV
FIRE PROTECTION			JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PARTITION TYPES

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
15230818
SHEET 10 OF 98
A-501
DRAWFORM REVISION: 14 SEP 2023

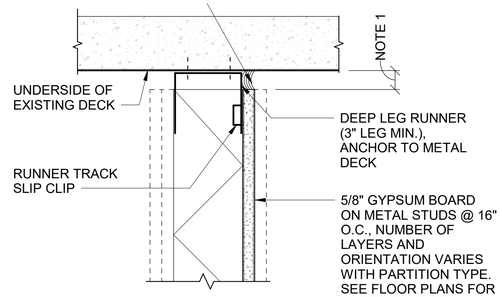
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C1 INTERIOR PARTITION BASE DETAIL [LV]

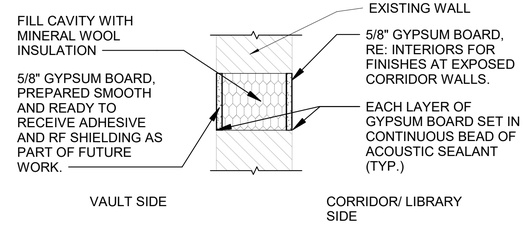
SCALE: 3" = 1'-0"

PROVIDE CONTINUOUS ACOUSTICAL SEALANT AT STC RATED PARTITIONS AND ACOUSTICAL AND FIRESTOP SEALANT SEALANT AT FIRE RATED PARTITIONS BETWEEN TOP OF GYPSUM BOARD AND DECK. TYP AT EACH SIDE.



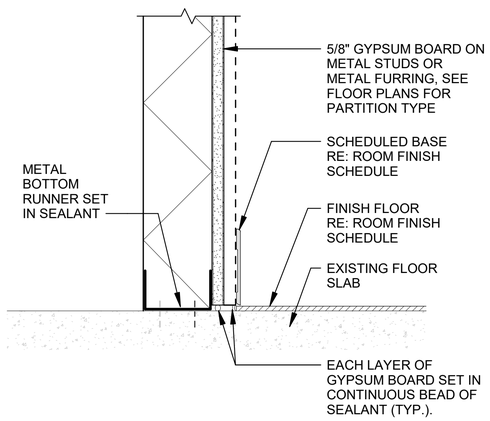
B1 INTERIOR PARTITION HEAD DETAIL [LV]

SCALE: 3" = 1'-0"



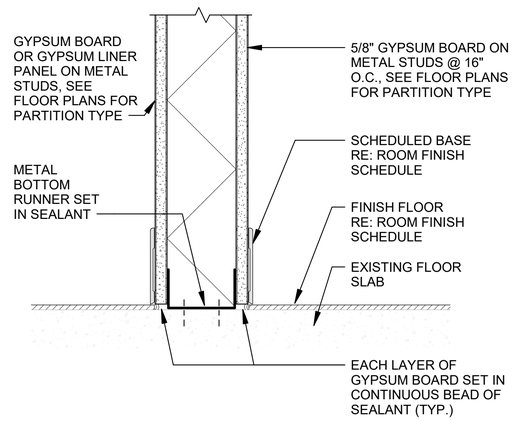
B2 WALL INFILL [L]

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



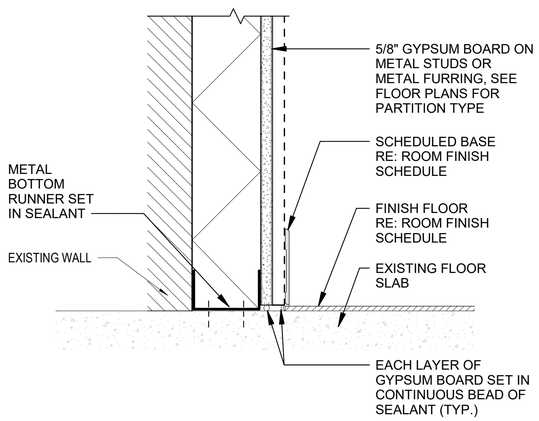
A1 INTERIOR PARTITION BASE DETAIL [LV]

SCALE: 3" = 1'-0"



A2 INTERIOR PARTITION BASE DETAIL [LV]

SCALE: 3" = 1'-0"



A3 INTERIOR PARTITION BASE DETAIL [LV]

SCALE: 3" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. MINIMUM DIMENSION TO MATCH FLOOR / ROOF MAXIMUM DEFLECTION AMOUNT.
2. MINIMUM DIMENSION EQUAL TO 1.5 TIMES THE FLOOR / ROOF UPWARD MOVEMENT AMOUNT.

GRAPHIC SCALE(S)

1 1/2" =1'-0" 0' 4" 8" 1'-4"

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number 21587, expiration date 05-08-2027.

STATE OF MARYLAND SHANE E. HERZOG 21587 REGISTERED ARCHITECT 07/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PARTITION DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.

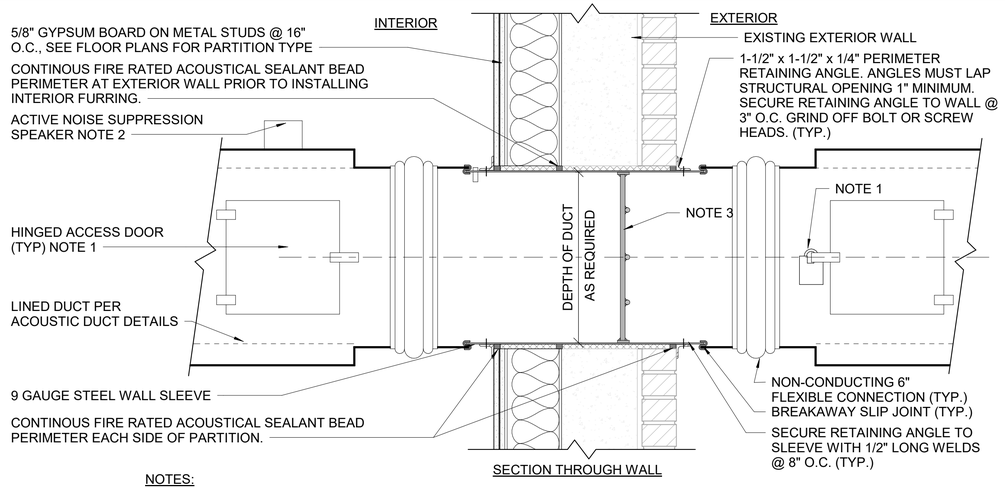
NAVFAC DRAWING NO.
15230819

SHEET 11 OF 98

A-502

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 9:41:54 AM A-502
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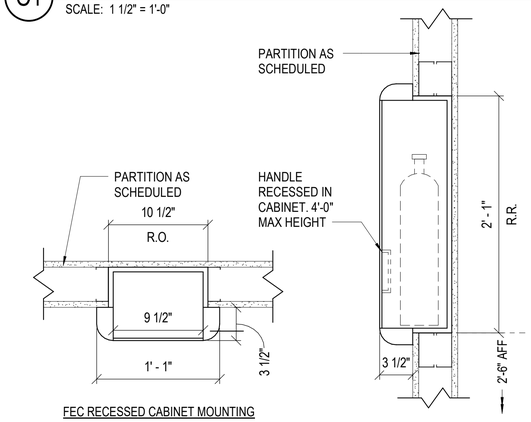
SECTION THROUGH WALL

NOTES:

1. HINGED ACCESS DOOR (MIN 12"X12") WITH LOCK HASP IN BOTTOM OF DUCT LOCATED SUCH THAT FIRE DAMPER IS ACCESSIBLE AND SECURITY BARS ARE FULLY VISIBLE THROUGH ACCESS OPENING. PROVIDE HIGH-SECURITY LOCK ON EXTERIOR SIDE.
2. ACTIVE NOISE SUPPRESSION SPEAKER.
3. SECURITY BARS WELDED TO WALL SLEEVE. RE: C3/A-503.

C1 EXT DUCT PENETRATION DETAIL [L]

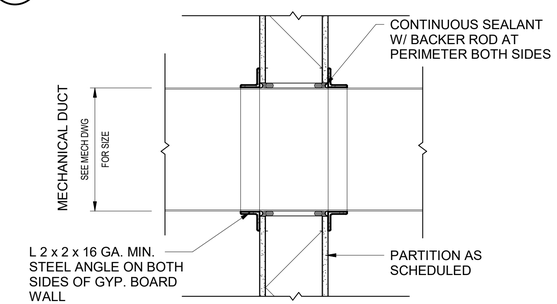
SCALE: 1 1/2" = 1'-0"



FEC RECESSED CABINET MOUNTING

B1 FIRE EXTINGUISHER CABINET DETAILS [L]

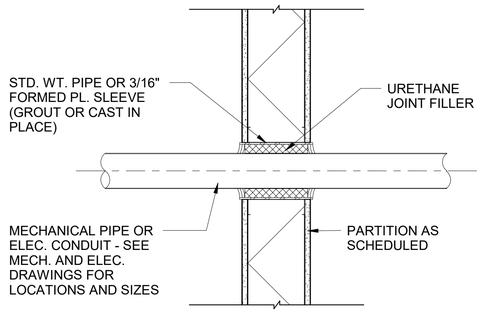
SCALE: 1 1/2" = 1'-0"



TYPICAL DUCT PENETRATING GYP. BOARD WALL - NON-RATED

A1 PENETRATION DETAIL [L]

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

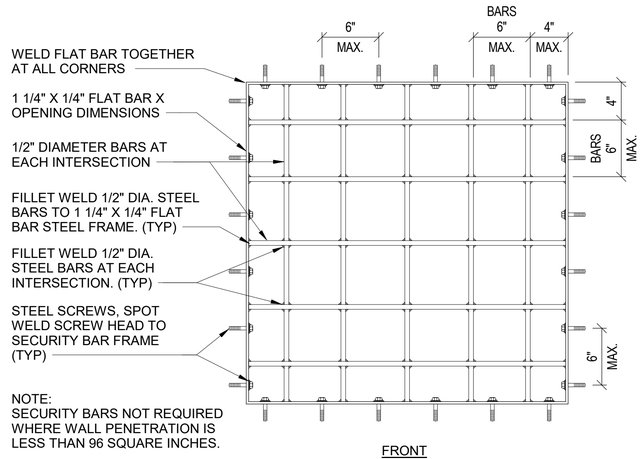


TYPICAL PIPE OR CONDUIT PENETRATING GYP. BOARD WALL - NON-RATED

A2 PENETRATION DETAIL [L]

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

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

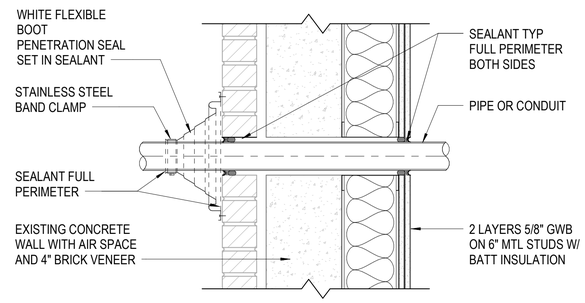


NOTE:
SECURITY BARS NOT REQUIRED WHERE WALL PENETRATION IS LESS THAN 96 SQUARE INCHES.

FRONT

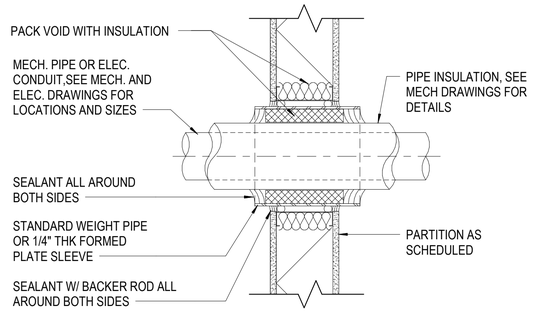
C3 DUCT SECURITY BARS [L]

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



B3 EXT PIPE PENETRATION DETAIL [L]

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



A3 PENETRATION DETAIL [L]

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

GRAPHIC SCALE(S)

1 1/2" =1'-0" 0' 4" 8" 1'-4"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 06-06-2027.

STATE OF MARYLAND SHANE E. HERZOG 21587 ARCHITECT 7/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PENETRATION & MISC DETAILS

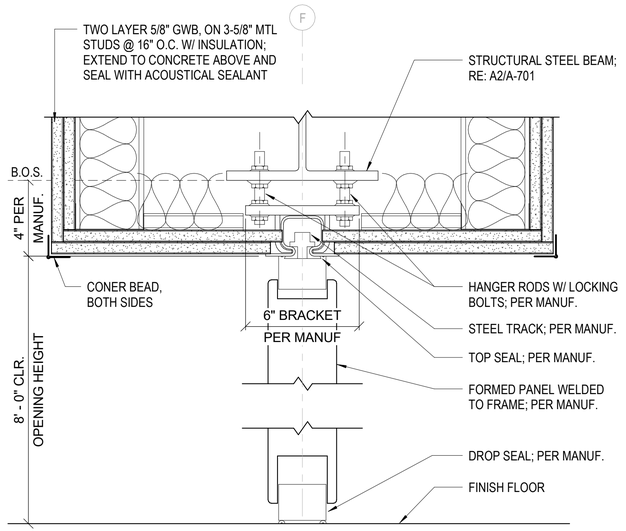
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230820
SHEET	12 OF 98

A-503

DRAWFORM REVISION: 14 SEP 2023

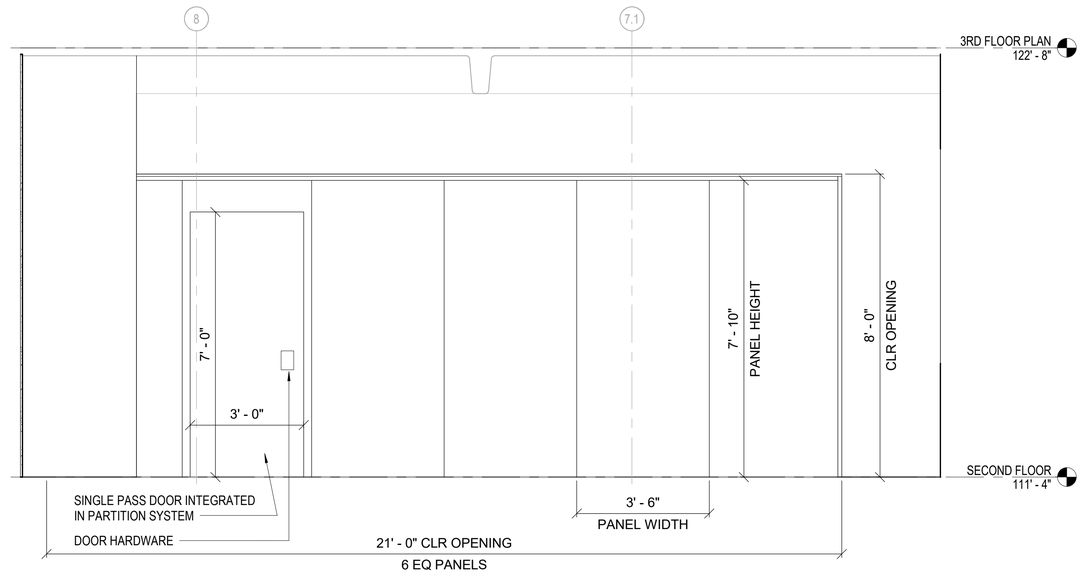
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



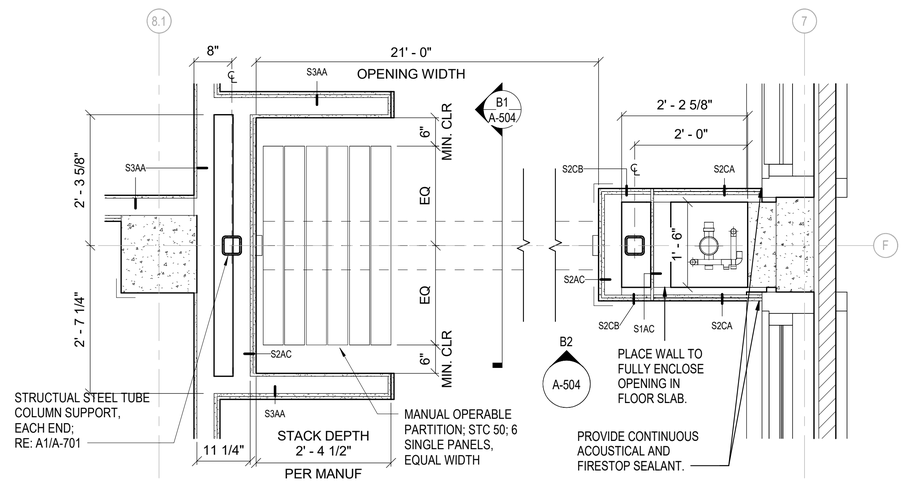
B1 OPERABLE PARTITION BASE/HEAD DETAIL [L]

SCALE: 3" = 1'-0"



B2 OPERABLE PARTITION ELEVATION [L]

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



A2 OPERABLE PARTITION PLAN DETAIL [L]

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

GRAPHIC SCALE(S)

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

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

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 06-09-2027.

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	DRW	CHK
SEH	SEH	JMD

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
MISC DETAILS

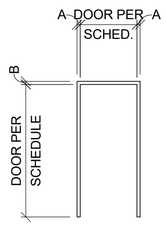
SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230821
SHEET 13 OF 98

A-504

DRAWFORM REVISION: 14 SEP 2023

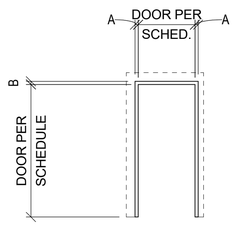
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CUI



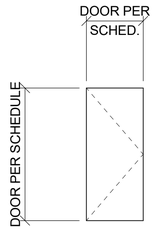
1

(DOOR FRAME)		
TYPE	A	B
1.1	2"	2"



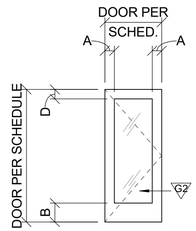
2

FRAME TYPE "2" IS A SPECIALIZED FRAME FOR AN RF SHIELDED DOOR AND FRAME



F

(FLUSH PANEL)	
TYPE	DESCRIPTION
F-RF	RF SHIELDED DOOR
F	FLUSH PANEL



FL

(FULL LIGHT)				
TYPE	DESCRIPTION	A	B	D
FL	FULL LITE	6"	10"	8"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

DOOR SCHEDULE

DOOR NUMBER	DOOR					FRAME		ASSEMBLY RATING	STC	DETAIL			HARDWARE SET	REMARKS
	SIZE	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	MATERIAL			HEAD	JAMB	SILL		
SECOND FLOOR														
2B1	-	3' - 0"	7' - 0"	FL	STL	1.1	STL	-	STC-50	C1/A-511	B1/A-511	A1/A-511	1.0	
2B2	-	3' - 0"	7' - 0"	F		1.1	-	-	-				2.0	REPLACE HARDWARE SET, EXISTING DOOR TO REMAIN.
2B4	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	5.0	
2B5A	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	3.0	
2B5B	[V]	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	3.0	
2B6	[V]	3' - 0"	7' - 0"	F-RF	STL	2	STL	-	STC-50/TEMPEST	A1/A-604	A2/A-604	A1/A-604	5.0	
2B6A	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	3.0	
2B7	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	3.0	
2B8	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	3.0	
2B9	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	3.0	
2B10	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	3.0	
2B13	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	-	C2/A-511	B2/A-511	A2/A-511	4.0	
2B14	-	3' - 0"	7' - 0"	F	WD	1.1	HM	-	STC-50	C1/A-511	B1/A-511	A1/A-511	3.0	

[V] INDICATES DOORS PART OF SEPARATE VAULT CONTRACT.

SHEET NOTES

1. ALL DOORS ARE 1-3/4" THICK U.N.O.
2. REFERENCE SPECIFICATION SECTION 08 71 00 FOR HARDWARE SETS.
3. IF DOORS ARE PROVIDED ON THE VAULT BOUNDARY, DOOR CLOSER MUST BE INSTALLED ON THE VAULT SIDE.

LEGEND

DOOR AND FRAME LEGEND

Key Name	DESCRIPTION
MATERIAL	
HM	HOLLOW METAL
STL	STEEL
WD	WOOD
SIZE	
-	SINGLE DOOR

GLASS TYPES

REFERENCE SPECIFICATION 08 81 00 FOR SYSTEM TYPES

G1 INSULATED LAMINATED GLASS UNIT (TINTED - FRITTED)

G2 CLEAR LAMINATED GLASS

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

STATE OF MARYLAND · SHANE E. HERZOG · 21587 · ARCHITECT · 07/31/26

SEAL

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 05-04-2027.

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
DOOR SCHEDULE AND DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230822
SHEET	14 OF 98

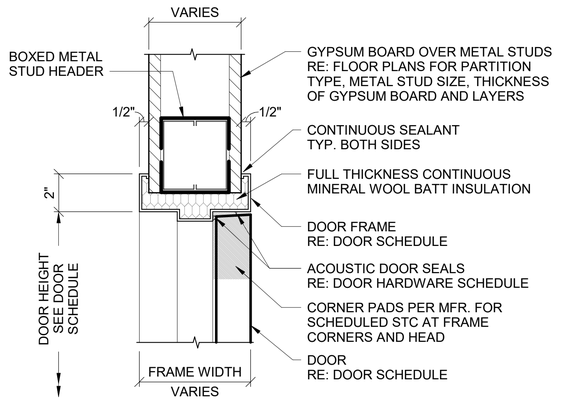
A-510

DRAWFORM REVISION: 14 SEP 2023

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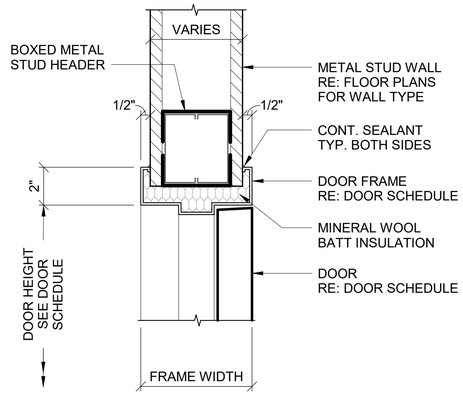
CUI

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



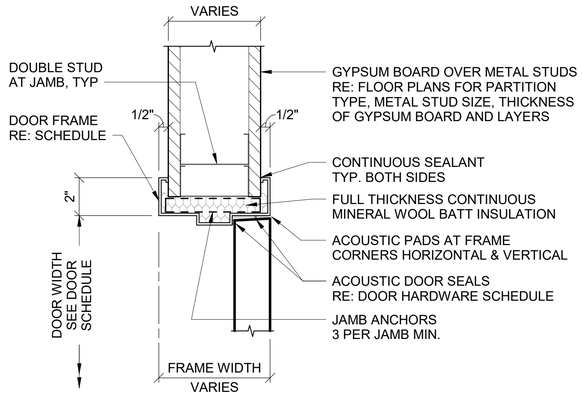
C1 DOOR HEAD STC [LV]

SCALE: 3" = 1'-0"



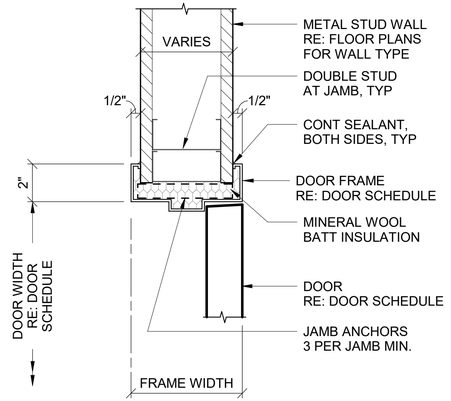
C2 DOOR HEAD [LV]

SCALE: 3" = 1'-0"



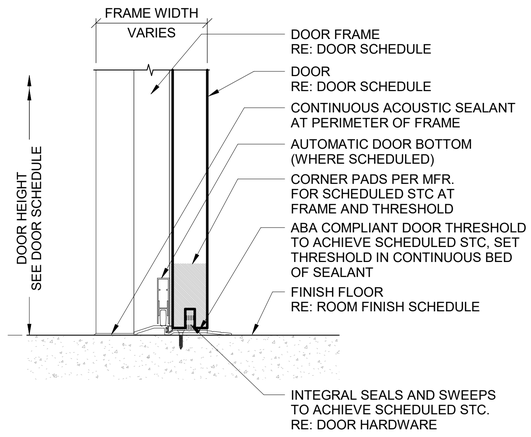
B1 DOOR JAMB STC [LV]

SCALE: 3" = 1'-0"



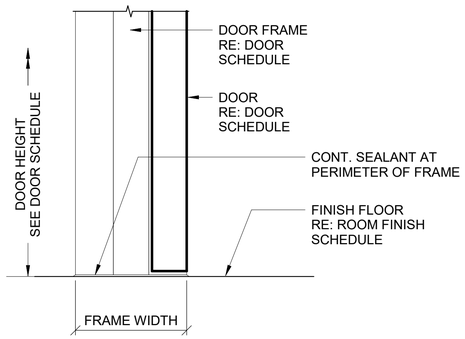
B2 DOOR JAMB [LV]

SCALE: 3" = 1'-0"



A1 DOOR SILL STC [LV]

SCALE: 3" = 1'-0"



A2 DOOR SILL [LV]

SCALE: 3" = 1'-0"

GRAPHIC SCALE(S)

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

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STATE OF MARYLAND SHANE E. HERZOG 21587 REGISTERED ARCHITECT

SEAL

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SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD
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BRANCH MANAGER	NAS				
CHIEF ENG/ARCH	ADV				
FIRE PROTECTION	JPH				

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
DOOR DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230823
SHEET	15 OF 98

A-511

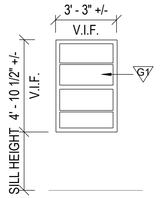
DRAWFORM REVISION: 14 SEP 2023

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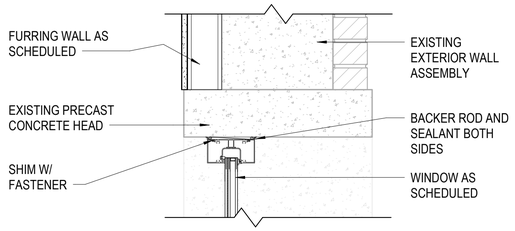
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

WINDOW SCHEDULE

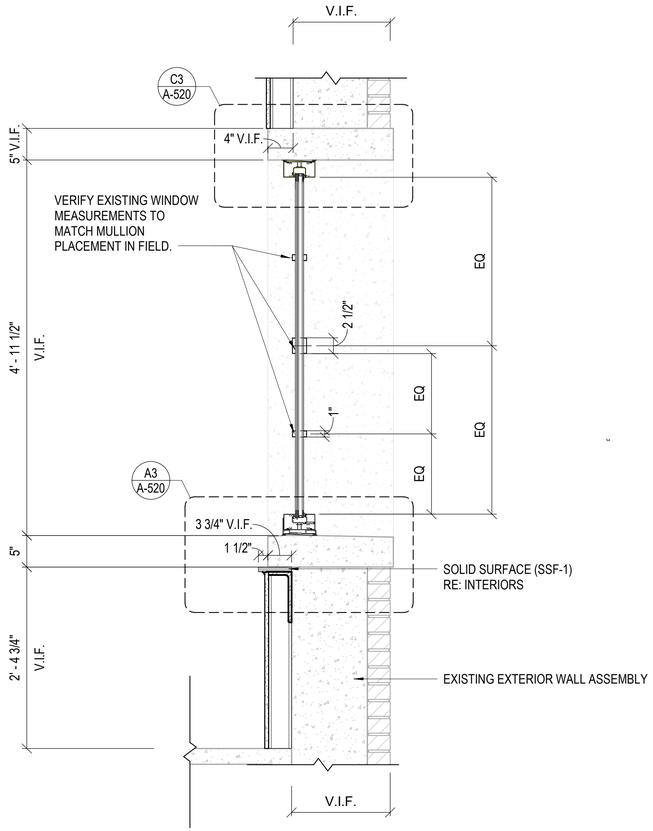
		SIZE		DETAIL		
QUANTITY	TYPE	WIDTH	HEIGHT	HEAD	JAMB	SILL
35	W1	3' -'3.5"	4' - -10"	C3/A-520	B3/A-520	A3/A-520



C2 WINDOW TYPE [L]
SCALE: 1/4" = 1'-0"

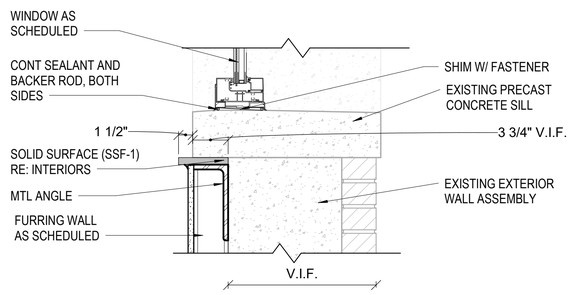


C3 WINDOW HEAD [L]
SCALE: 1 1/2" = 1'-0"



A1 TYP. WALL SECTION AT WINDOW [L]
SCALE: 1" = 1'-0"

B3 WINDOW JAMB [L]
SCALE: 1 1/2" = 1'-0"



A3 WINDOW SILL [L]
SCALE: 1 1/2" = 1'-0"

LEGEND

GLASS TYPES

REFERENCE SPECIFICATION 08 81 00 FOR SYSTEM TYPES

G1 INSULATED LAMINATED GLASS UNIT (TINTED - FRITTED)

G2 CLEAR LAMINATED GLASS

GRAPHIC SCALE(S)

1/4" =1'-0" 0' 2' 4' 8'

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

1 1/2" =1'-0" 0' 4" 8" 1'-4"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 06-06-2027.

STATE OF MARYLAND SHANE E. HERACO 21587 ARCHITECT 7/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

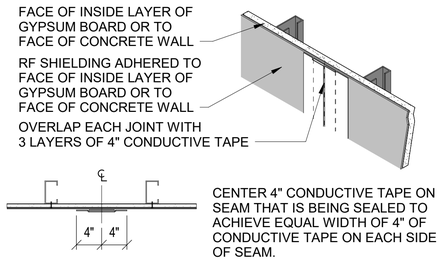
WINDOW SCHEDULE AND DETAILS

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CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230824
SHEET	16 OF 98

A-520

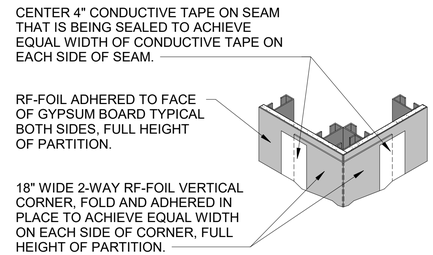
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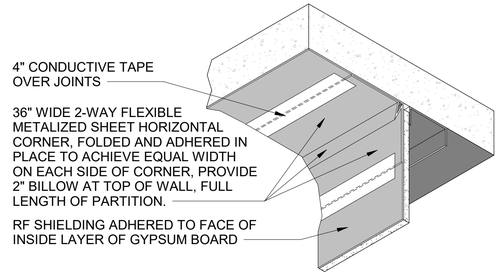
D1 VERTICAL WALL JOINT

SCALE: 1" = 1'-0"



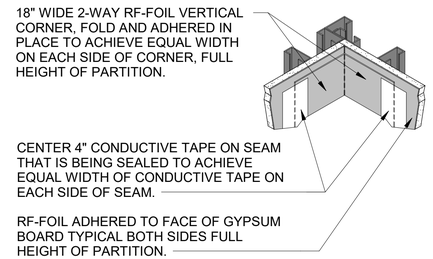
D2 OUTSIDE 2-WAY VERTICAL CORNER

SCALE: 1" = 1'-0"



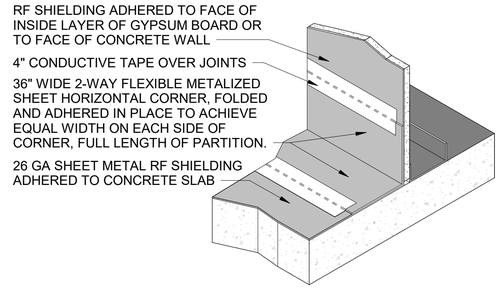
D3 (CEILING TO WALL) 2-WAY JOINT

SCALE: 1" = 1'-0"



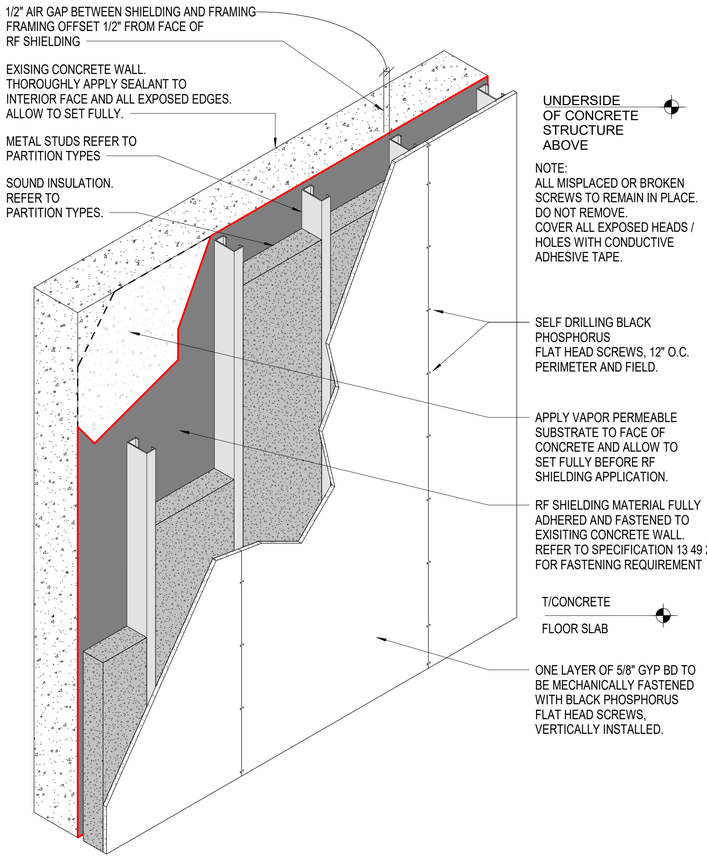
C2 INSIDE 2-WAY VERTICAL CORNER

SCALE: 1" = 1'-0"



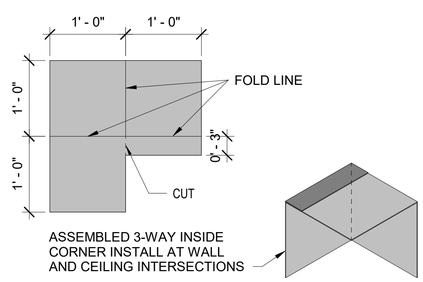
C3 (FLOOR TO WALL) 2-WAY JOINT

SCALE: 1" = 1'-0"



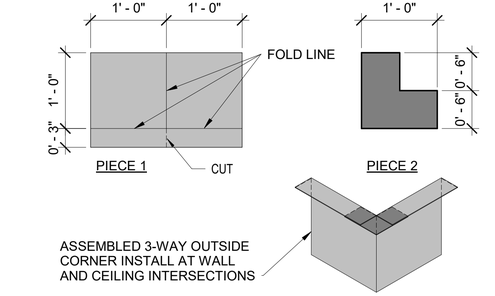
A1 RF SHIELDING SYSTEM - TYPICAL GYPSUM BOARD ISOMETRIC

SCALE: 1" = 1'-0"



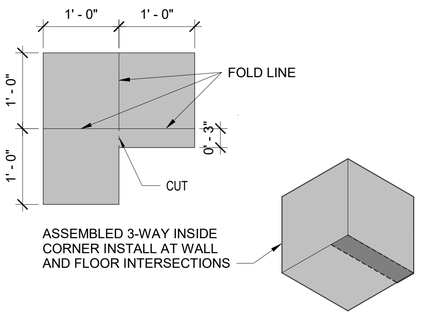
B2 (CEILING TO WALL) 3-WAY INSIDE CORNER

SCALE: 1" = 1'-0"



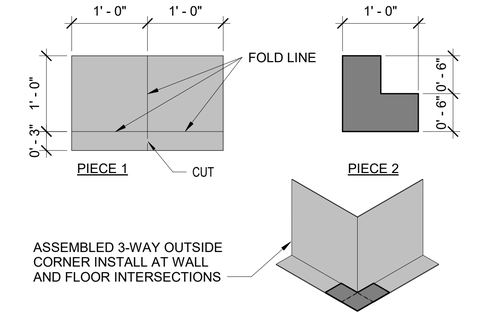
B3 (CEILING TO WALL) 3-WAY OUTSIDE CORNER

SCALE: 1" = 1'-0"



A2 (FLOOR TO WALL) 3-WAY INSIDE CORNER

SCALE: 1" = 1'-0"



A3 (FLOOR TO WALL) 3 -WAY OUTSIDE CORNER

SCALE: 1" = 1'-0"

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5. PROVIDE UNISTRUT SUPPORT AT ALL UTILITY PANEL LOCATIONS THAT ARE WITHIN THE VAULT BOUNDARY, REFER TO DISCIPLINE DRAWINGS.
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17. ALL HORIZONTAL 26 GA. SHEET METAL (FLOOR / ROOF) TO HAVE CONTINUOUSLY WELDED SEAMS, INSPECTED, AND TESTED BEFORE COVERING WITH ADDITIONAL MATERIALS.
18. APPLY SEALANT AT WALL OPENING OF PENETRATION AS SHOWN ON DETAIL, DO NOT APPLY TO COVERINGS OR ESCUTCHEON PLATES AROUND PENETRATION.
19. FOR ALL RF SHIELDED DOORS, REFER TO SPECIFICATIONS AND MANUFACTURERS SHIELDING REQUIREMENTS.
20. REFER TO SPECIFICATION 13 49 20 FOR SHIELDING AND TESTING REQUIREMENTS.

GRAPHIC SCALE(S)

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 05-08-2027.

STATE OF MARYLAND SHANE E. HERRO 21587 ARCHITECT 07/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

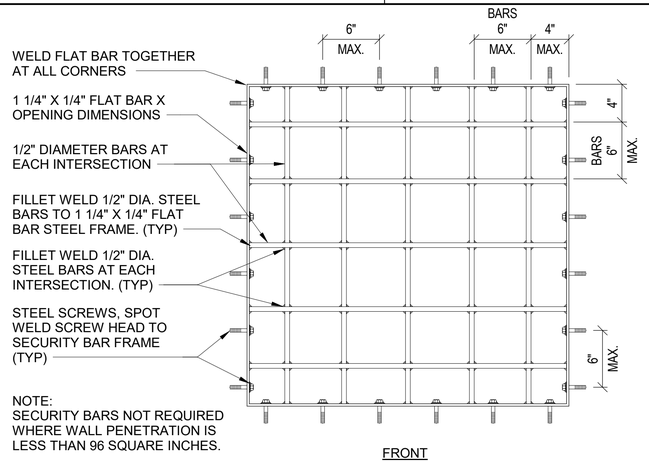
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
RF SHIELDING DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230825
SHEET	17 OF 98

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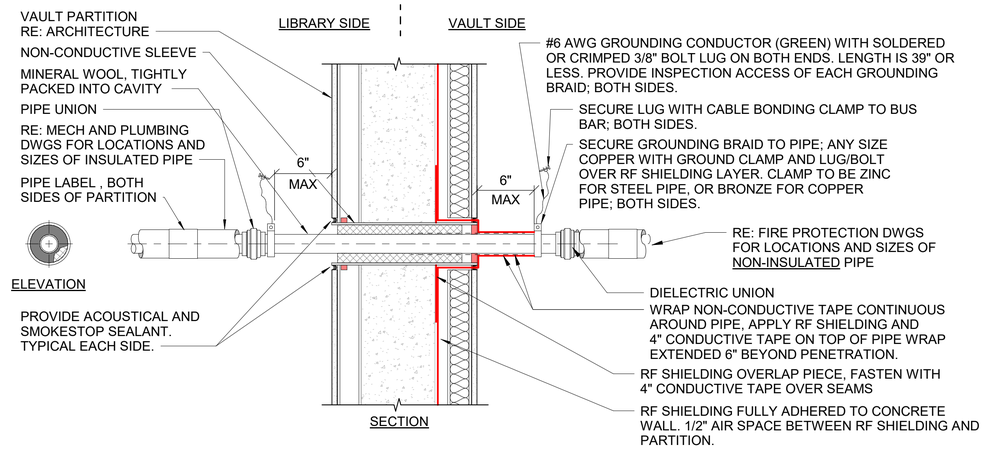
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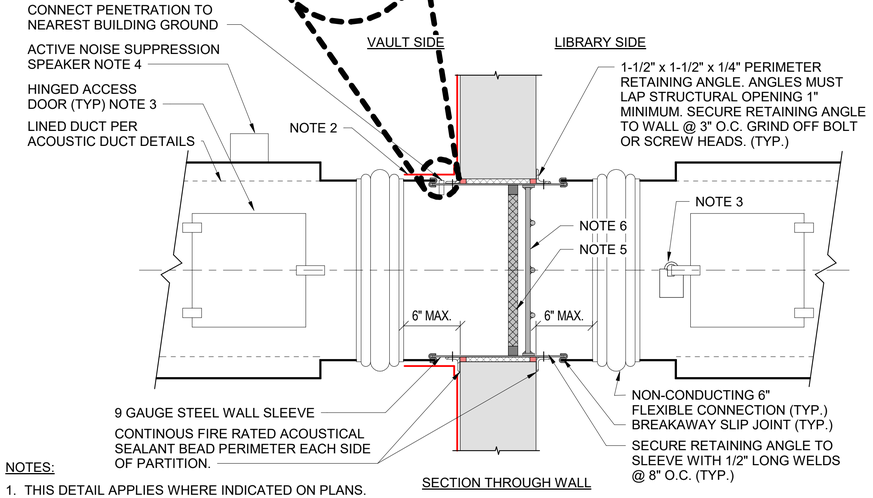
C1 CONTROLLED BOUNDARY SECURITY BARS

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



C2 RF SHIELDING - INSULATED OR NON-INSULATED PRESSURIZED 2-INCH OR LESS PIPE PENETRATION

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

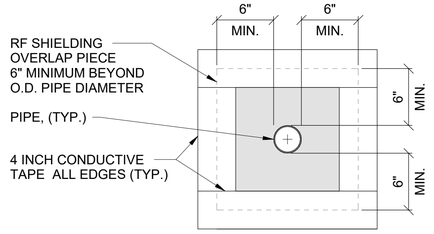


NOTES:

1. THIS DETAIL APPLIES WHERE INDICATED ON PLANS.
2. LAP RF-FOIL OVER RETAINING ANGLE, SLEEVE AND DUCT ON ALL SIDES AS INDICATED. RF SHIELDING MUST NOT COVER NON-CONDUCTING FLEXIBLE CONNECTION.
3. HINGED ACCESS DOOR (MIN 12"X12") WITH LOCK HASP IN BOTTOM OF DUCT LOCATED SUCH THAT FIRE DAMPER IS ACCESSIBLE AND SECURITY BARS / RF WAVE GUIDE ARE FULLY VISIBLE THROUGH ACCESS OPENING. PROVIDE HIGH-SECURITY LOCK ON LIBRARY SIDE.
4. ACTIVE NOISE SUPPRESSION SPEAKER.
5. RF WAVE GUIDE, MUST FULLY COMPLY WITH SPECIFICATION SECTION 13 49 20. FULLY SOLDER OR WELD TO SLEEVE IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
6. SECURITY BARS WELDED TO WALL SLEEVE.

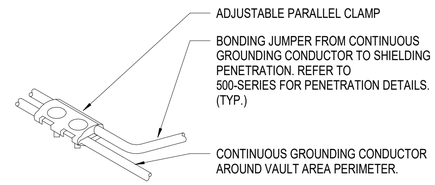
A1 DUCT PENETRATION

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



B3 PIPE OVERLAP DETAIL

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



A3 RF SHIELDING CABLE BONDING CLAMP

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

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20. REFER TO SPECIFICATION 13 49 20 FOR SHIELDING AND TESTING REQUIREMENTS.

GRAPHIC SCALE(S)

1 1/2" =1'-0"

0' 4" 8" 1'-4"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

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STATE OF MARYLAND SHANE E. HERCIK 21587 ARCHITECT 07/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW SEH	CHK JMD
PM/DM	OAH/RSJ		
BRANCH MANAGER	NAS		
CHIEF ENG/ARCH	ADV		
FIRE PROTECTION	JPH		

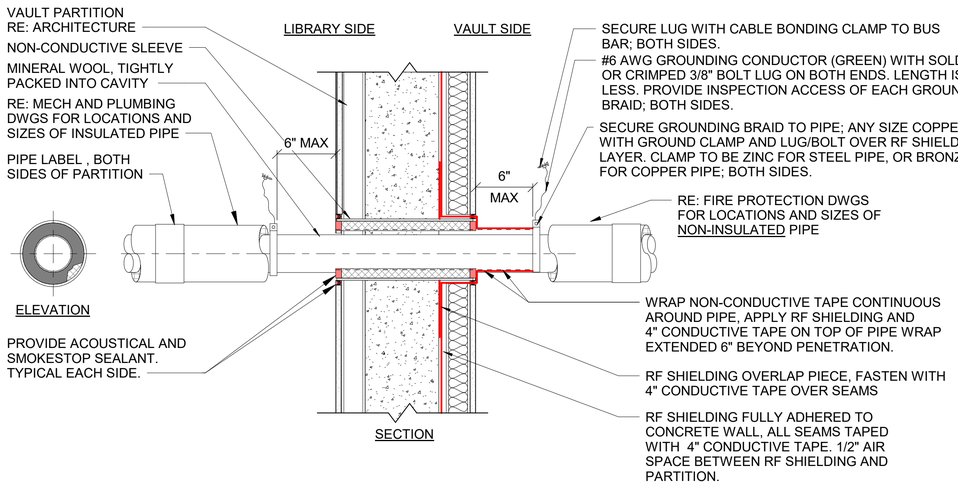
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
RF SHIELDING DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230826
SHEET	18 OF 98

A-602

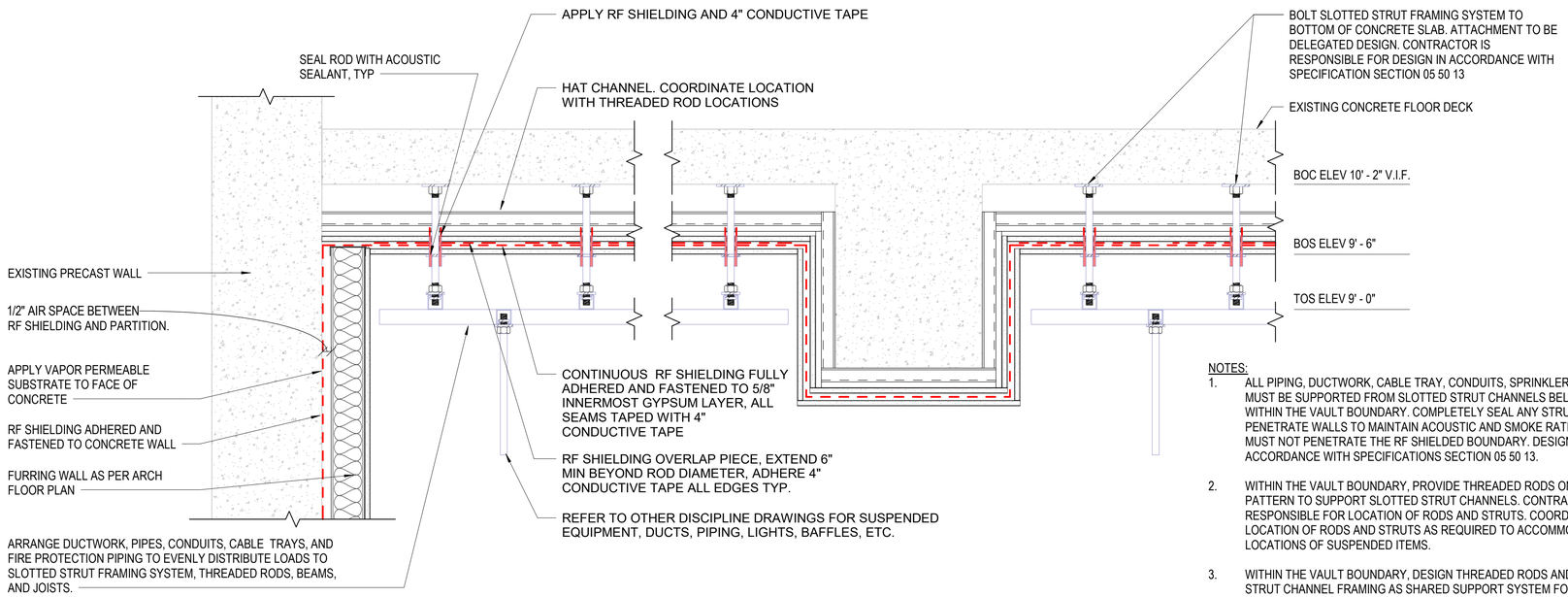
DRAWFORM REVISION: 14 SEP 2023

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C1 RF SHIELDING - INSULATED OR NON-INSULATED PRESSURIZED PIPE PENETRATION

SCALE: NOT TO SCALE



NOTES:

1. ALL PIPING, DUCTWORK, CABLE TRAY, CONDUITS, SPRINKLERS, LIGHTS, ETC. MUST BE SUPPORTED FROM SLOTTED STRUT CHANNELS BELOW CEILING WITHIN THE VAULT BOUNDARY. COMPLETELY SEAL ANY STRUTS THAT PENETRATE WALLS TO MAINTAIN ACOUSTIC AND SMOKE RATINGS. STRUTS MUST NOT PENETRATE THE RF SHIELDED BOUNDARY. DESIGN STRUTS IN ACCORDANCE WITH SPECIFICATIONS SECTION 05 50 13.
2. WITHIN THE VAULT BOUNDARY, PROVIDE THREADED RODS ON A GRID PATTERN TO SUPPORT SLOTTED STRUT CHANNELS. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF RODS AND STRUTS. COORDINATE LOCATION OF RODS AND STRUTS AS REQUIRED TO ACCOMMODATE ACTUAL LOCATIONS OF SUSPENDED ITEMS.
3. WITHIN THE VAULT BOUNDARY, DESIGN THREADED RODS AND SLOTTED STRUT CHANNEL FRAMING AS SHARED SUPPORT SYSTEM FOR FIRE PROTECTION SYSTEMS PER NFPA 13. THREADED RODS AND STRUTS MUST BE DESIGNED TO SUPPORT FIVE TIMES THE WEIGHT OF WATER-FILLED SPRINKLER PIPE PLUS 250 LB AND 1 1/2 TIMES THE WEIGHT OF OTHER SUPPORTED DISTRIBUTION SYSTEMS. COORDINATE WITH DIVISION 21.
4. WITHIN THE VAULT BOUNDARY, ANY WALL MOUNTED EQUIPMENT MUST BE SUPPORTED ON MTL STUDS OR OTHER SUPPORTS AND CANNOT ATTACH THRU ADHEARED RF SHIELDING TO CONCRETE WALLS.

A1 RF THREADED ROD DETAIL

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

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10. ALL PIPE LABELS MUST BE PERMANENTLY AFFIXED. LABEL PIPE FUNCTION.
11. PIPE INSULATION MUST BE CUT UP TO THE EDGE OF FLANGE, DIELECTRIC UNION, OR GROUNDING STRAP FOR INSPECTION. FLANGE, DIELECTRIC UNION, OR GROUNDING STRAP MUST BE A MAXIMUM OF 6" FROM VAULT PARTITION.
12. PIPE MATERIAL MUST BE A MINIMUM OF 6 FEET OF METAL PIPE CENTERED AT PENETRATION.
13. DO NOT MECHANICALLY TIE PIPE TO WALL CONSTRUCTION.
14. SPACE BETWEEN PIPE AND SLEEVE TO BE FREE OF FOREIGN MATERIAL.
15. PIPE MUST NOT CONTACT SLEEVE AT ANY TIME. WEDGES MUST NOT BE USED TO MAINTAIN PIPE POSITION.
16. PIPE MUST BE CENTERED IN WALL OPENING. PROVIDE ADDITIONAL CLEARANCE FOR POSITIONAL CHANGE OF PIPE DUE TO LOADING OR SYSTEM OPERATION.
17. ALL HORIZONTAL 26 GA. SHEET METAL (FLOOR / ROOF) TO HAVE CONTINUOUSLY WELDED SEAMS, INSPECTED, AND TESTED BEFORE COVERING WITH ADDITIONAL MATERIALS.
18. APPLY SEALANT AT WALL OPENING OF PENETRATION AS SHOWN ON DETAIL, DO NOT APPLY TO COVERINGS OR ESCUTCHEON PLATES AROUND PENETRATION.
19. FOR ALL RF SHIELDED DOORS, REFER TO SPECIFICATIONS AND MANUFACTURERS SHIELDING REQUIREMENTS.
20. REFER TO SPECIFICATION 13 49 20 FOR SHIELDING AND TESTING REQUIREMENTS.

GRAPHIC SCALE(S)

1 1/2" =1'-0" 0' 4" 8" 1'-4"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 05-08-2027.

NAVFAC

STATE OF MARYLAND JAMES MICHAEL HERRON 21587 ARCHITECT 07/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

RF SHIELDING DETAILS

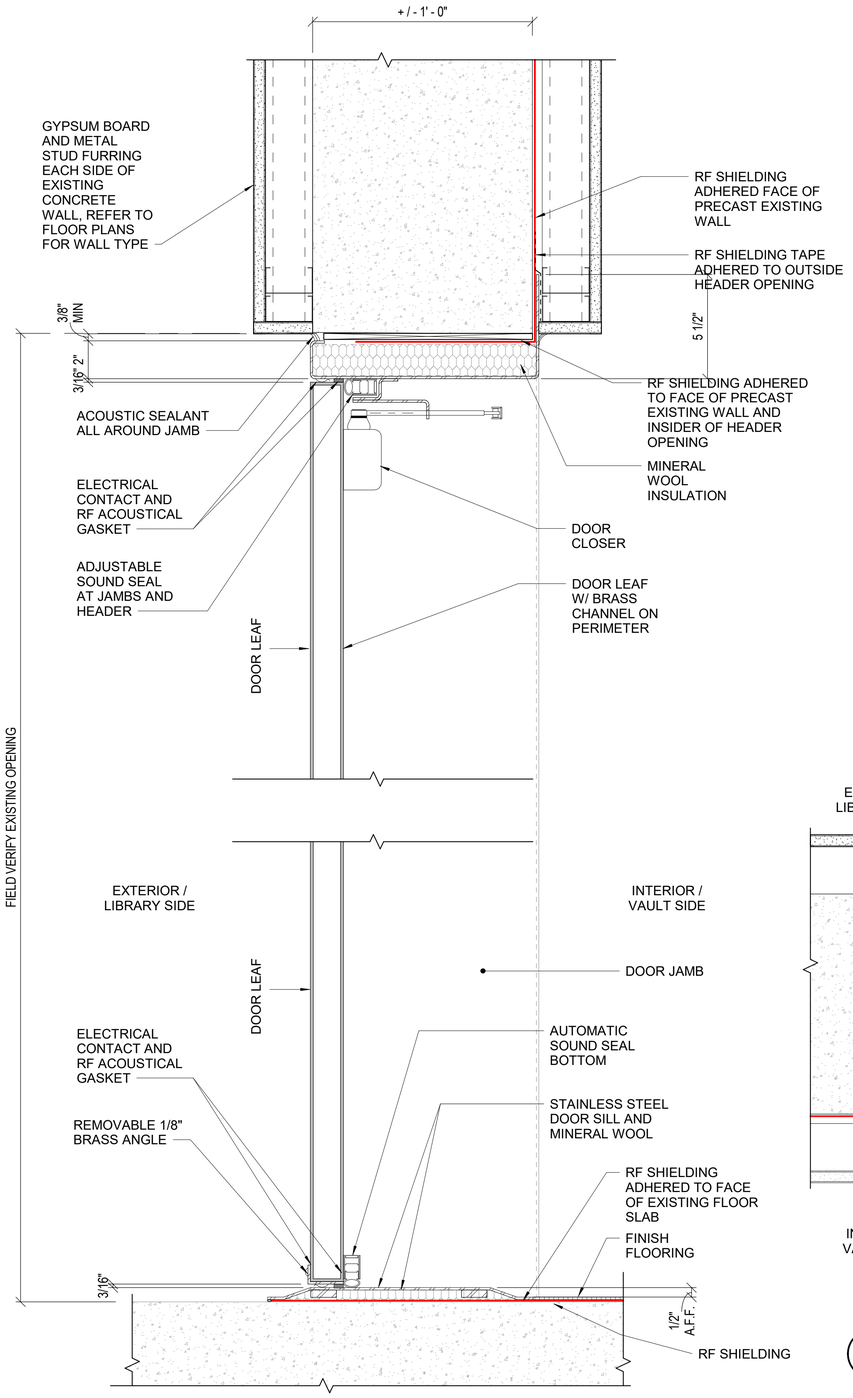
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EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230827
SHEET	19 OF 98

A-603

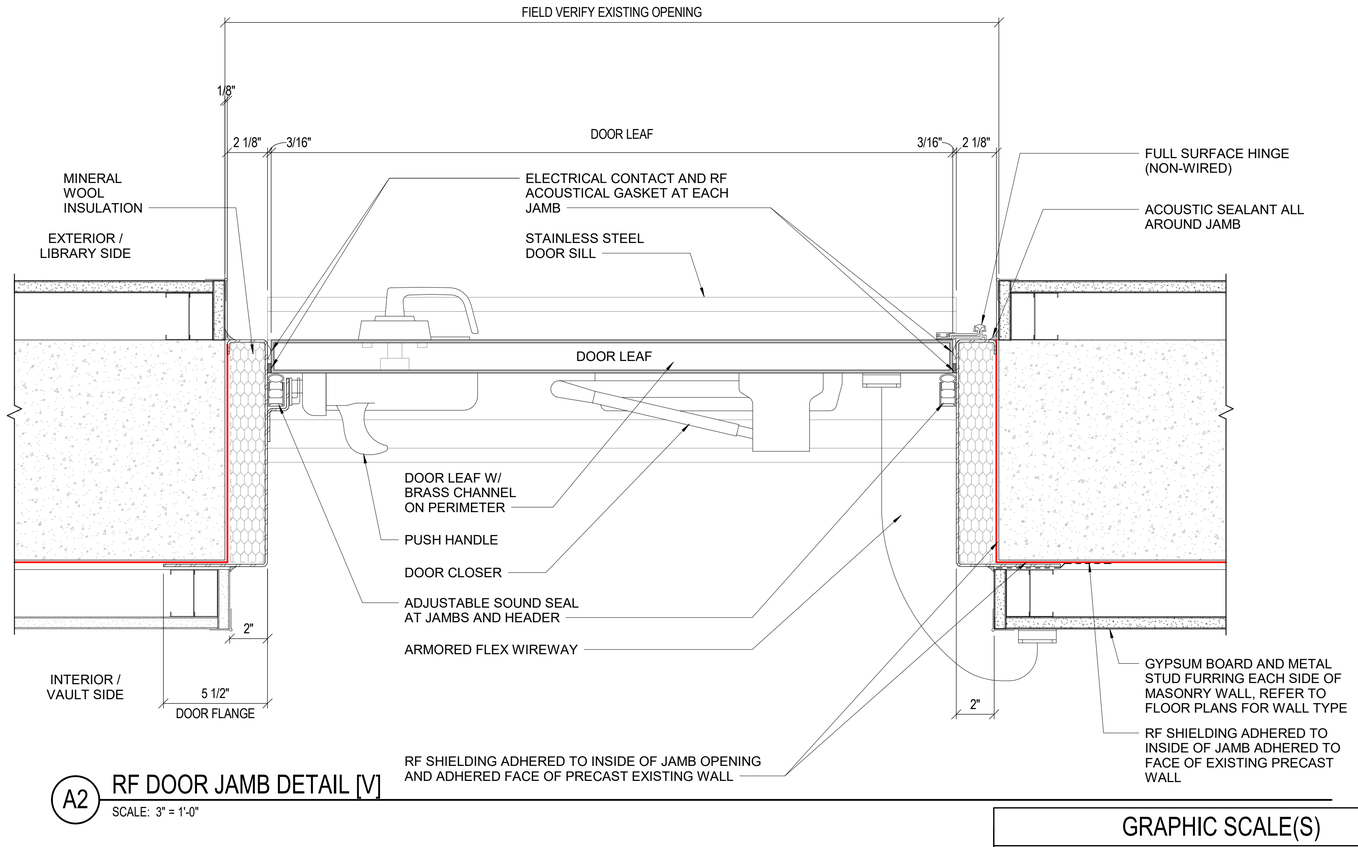
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A1 RF DOOR DETAIL [V]
SCALE: 3" = 1'-0"



A2 RF DOOR JAMB DETAIL [V]
SCALE: 3" = 1'-0"

GRAPHIC SCALE(S)

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

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STATE OF MARYLAND SHANE E. HERZOG 21587 ARCHITECT 7/31/26

SEAL

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BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SEH	DRW	SEH	CHK	JMD

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

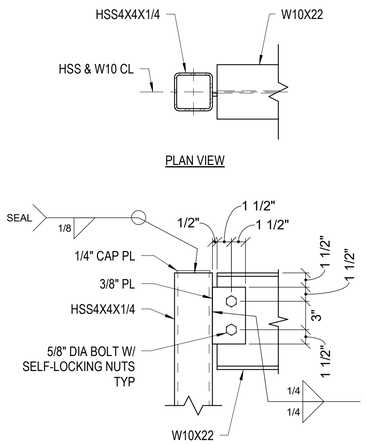
RF SHIELDING DOOR DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230828
SHEET	20 OF 98

A-604

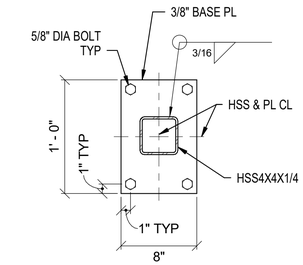
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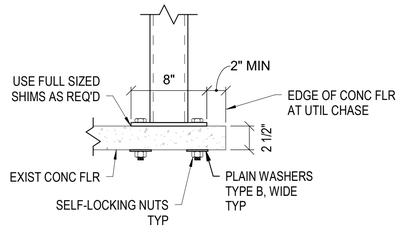
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C1 SINGLE-PLATE BEAM CONNECTION [L]

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





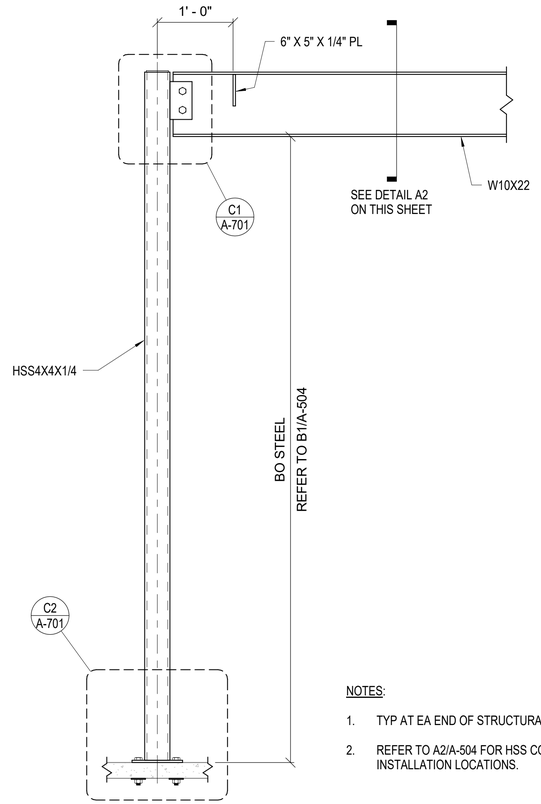
NOTE:

1. THRU DRILL EXISTING CONCRETE FLOOR FOR BASE PLATE FASTENER INSTALLATION.

C2 COLUMN DETAIL [L]

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

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

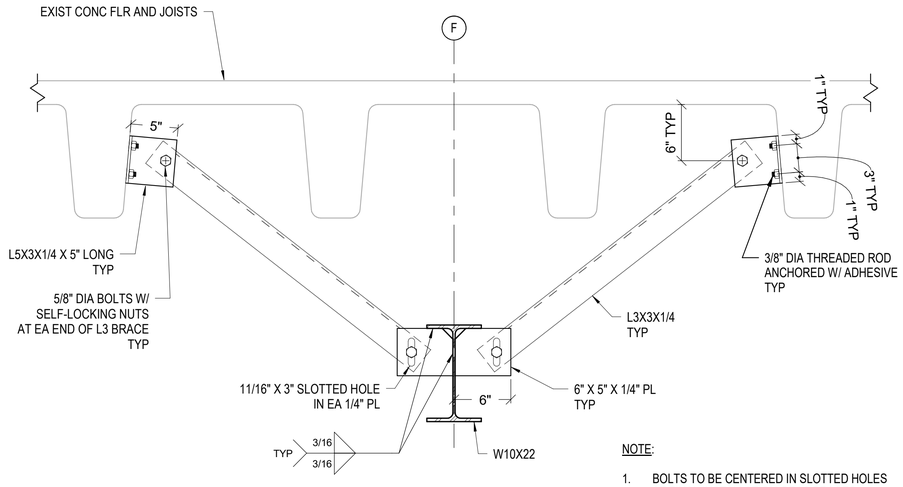


NOTES:

1. TYP AT EA END OF STRUCTURAL SUPPORT
2. REFER TO A2/A-504 FOR HSS COLUMN INSTALLATION LOCATIONS.

A1 OPERABLE PARTITION STRUCTURAL SUPPORT [L]

SCALE: 1" = 1'-0"



NOTE:

1. BOLTS TO BE CENTERED IN SLOTTED HOLES AT FINAL INSTALLATION OF L3 BRACES.

A2 BRACING DETAIL [L]

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

SHEET NOTES

1. COORDINATE ALL STRUCTURAL WORK WITH WORK SHOWN ON ALL OTHER DRAWINGS.
2. CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED STRUCTURE. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING. UNDERTAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT SITE AND ADJACENT TO SITE. VISITS TO THE SITE BY CONTRACTING OFFICER'S REPRESENTATIVE DO NOT RELIEVE CONTRACTOR OF SUCH RESPONSIBILITY.
3. INSTALL ALL PRODUCTS IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS NOTED OTHERWISE.
4. SPECIAL INSPECTIONS:
   A. SEE SPECIFICATION SECTION 01 45 35 WITH ATTACHMENTS
5. DESIGN LOADS:
   A. RISK CATEGORY: II
   B. DEAD LOADS
      1. SELF-WEIGHT OF CONSTRUCTION MATERIALS
      2. WEIGHT OF OPERABLE PARTITION: 12 PSF
   C. LIVE LOAD: 5 PSF HORIZONTAL PARTITION LOAD IN ACCORDANCE WITH SECTION 4.3.4 OF ASCE 7.
6. STRUCTURAL STEEL:
   A. SEE SPECIFICATION SECTION 05 50 13 FOR ADDITIONAL REQUIREMENTS NOT DETAILED ON THIS SHEET.
   B. WIDE FLANGE SHAPES: ASTM A992, F_Y = 50 KSI.
   C. OTHER SHAPES AND PLATES: ASTM A36, F_Y = 36 KSI
   D. HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE C, F_Y = 50 KSI
   E. BOLTS
      a. 5/8" DIAMETER ASTM A307, UNLESS NOTED OTHERWISE
      b. SNUG TIGHT JOINTS WITH STANDARD HOLES FOR ALL CONNECTIONS, UNLESS NOTED OTHERWISE.
      c. MINIMUM EDGE DISTANCES TO BE IN ACCORDANCE WITH AISC 360, UNLESS NOTED OTHERWISE.
   F. WELDING: AWS D1.1 USING E70 ELECTRODE
   G. POST-INSTALLED ADHESIVE ANCHORS
      a. CARBON STEEL THREADED ROD WITH EPOXY OR HYBRID RESIN ADHESIVE, UNLESS NOTED OTHERWISE.
      b. DO NOT USE BULK-MIXED ADHESIVES. PROVIDE THREADED ROD COMPATIBLE WITH ADHESIVE AND ACCEPTABLE TO MANUFACTURER.
      c. PROVIDE ANCHORS AS ENTIRE SYSTEM INCLUDING, BUT NOT LIMITED TO, MANUFACTURER'S PRINTED INSTRUCTIONS AS FURNISHED WITH ADHESIVE, ADHESIVE CARTRIDGE, MIXING NOZZLE, EXTENSION TUBE, DISPENSER, AND ALL REQUIRED EQUIPMENT FOR PROPERLY CLEANING DRILLED HOLE.
      d. PROVIDE ANCHOR SYSTEMS THAT HAVE BEEN TESTED AND ASSESSED IN ACCORDANCE WITH LATEST EDITION OF APPLICABLE ACCEPTANCE CRITERIA AND SUBMIT CORRESPONDING ICC EVALUATION SERVICE REPORTS.
      - ADHESIVE ANCHORS IN CONCRETE: ICC-ES AC308
   H. DO NOT DAMAGE EXISTING STEEL REINFORCEMENT WITHOUT CONTRACTING OFFICER'S REPRESENTATIVE APPROVAL. LOCATE THRU BOLTS AND POST-INSTALLED ADHESIVE ANCHORS TO AVOID EXISTING REINFORCEMENT.

GRAPHIC SCALE(S)

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

1 1/2" =1'-0" 0' 4" 8" 1'-4"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
AUGUSTO L COLLOT
Lic. No. 055969
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	ALC	DRW	MJB	CHK	LHP

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
OPERABLE PARTITION SUPPORT STRUCTURE

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230829
SHEET	21 OF 98

A-701

DRAW/FORM REVISION: 14 SEP 2023

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CUI

ROOM FINISH LEGEND

MATERIAL	DESCRIPTION	MANUFACTURER	STYLE NAME / NUMBER	COLOR / NUMBER	REMARKS
CEILING					
ACP-1	ACOUSTICAL CEILING, SOUND BAFFLES - 1' X 4'	AKOUO ACOUSTICS	LIVELLO / LC100	CRYSTAL BLUE - 175 / FR701-2100	
ACP-2	ACOUSTICAL CEILING, SOUND BAFFLES - 1 X 8'	AKOUO ACOUSTICS	LIVELLO / LC100	CRYSTAL BLUE - 175 / FR701-2100	
EXP	EXPOSED CEILING	--	--	--	
GYP	GYPSUM CEILING	--	--	--	
FLOORING					
RF-1	RESILIENT FLOORING - 25CM X 1M	INTERFACE	BRUSHED LINES AND DRAWN LINES / BRUSHED LINES 4.5MM	ALABASTER - A01602	
RF-2	RESILIENT FLOORING - STATIC DISSIPATIVE - 24" X 24"	ROPPE	ESD VINYL STATIC CONTROL TILE	HAZE GRAY - 751	
RF-3	RESILIENT FLOORING - 25CM X 1M	INTERFACE	BRUSHED LINES AND DRAWN LINES / BRUSHED LINES 4.5MM	GALENA - A01604	
MISCELLANEOUS					
AWP-1	ACOUSTICAL WALL PANELS, CUSTOM SIZES	AKOUO ACOUSTICS	GIOSFELT MOTIF / M5	GRANITE - F052	A
CG-1	CORNER GUARD - FULL HEIGHT	CONSTRUCTION SPECIALTIES	ACROVYN TF / SSM-20N	FOLKSTONE - 927	
CG-2	CORNER GUARD - FULL HEIGHT	CONSTRUCTION SPECIALTIES	ACROVYN TF / SSM-20N	YALE BLUE - 129	
LK-1	CELL PHONE LOCKERS - SURFACE MOUNTED	SALSBURY INDUSTRIES	19800C	ALUMINUM	
OP-1	OPERABLE PARTITION, ACOUSTI-SEAL ENCORE	MODERNFOLD	LEN-TEX PREMIUM VINYL	DARK WALNUT - 598 S 616 H	
RS-1	BLACKOUT SHADES - FIXED	MECHO	EQUINOX / BLACKOUT - 0100 SERIES	SILVER - 0105	
RS-2	BLACKOUT ROLLER SHADES - POWERED	MECHO	EQUINOX / BLACKOUT - 0100 SERIES	SILVER - 0105	
SG-1	SIGNAGE SYSTEM	2/90 SIGNAGE	ARC - MODULAR SIGN SYSTEM	--	
SSF-1	SOLID SURFACE - 3/4" THICK	CORIAN	--	ARTISTA GRAY	B
PAINT					
PA-1	ACRYLIC/LATEX PAINT, EGGSHELL/ SATIN FINISH - FIELD	SHERWIN WILLIAMS	--	GREY SCREEN - SW7071	
PA-2	ACRYLIC/LATEX PAINT, EGGSHELL/ SATIN FINISH - ACCENT	SHERWIN WILLIAMS	--	DRESS BLUES - SW9176	
PA-3	ACRYLIC/LATEX PAINT, SEMI-GLOSS FINISH - DOOR FRAMES	SHERWIN WILLIAMS	--	CYBERSPACE - SW7076	
PA-4	ACRYLIC/LATEX PAINT, FLAT FINISH - CEILINGS	SHERWIN WILLIAMS	--	CEILING BRIGHT WHITE - SW7007	
WALL BASE					
RB-1	RUBBER WALL BASE, COVE - 4"H	ROPPE	700 SERIES	ASPHALT - 670	

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS
				NORTH	SOUTH	EAST	WEST		
-	CORR	--	RB-1	--	--	--	PA-1 / AWP-1	--	
2B3	BREAKOUT ROOM	RF-3	RB-1	PA-1	PA-1	PA-1	PA-2 / AWP-1	EXP / PA-4 / ACP-1	
2B4	VESTIBULE	RF-3	RB-1	PA-1	PA-1	PA-1	PA-1	EXP / PA-4 / ACP-1 / ACP-2	
2B5	LARGE CONFERENCE ROOM	RF-1	RB-1	PA-2 / AWP-1	PA-2 / AWP-1 / PA-1	PA-1	PA-1 / OP-1	EXP / PA-4 / ACP-1 / ACP-2	
2B6	VAULT	RF-3	RB-1	PA-1	PA-1	PA-1	PA-1	GYP / PA-4	
2B6A	VAULT CONFERENCE	RF-3	RB-1	PA-2 / AWP-1	PA-1	PA-1	PA-1	GYP / PA-4	
2B7	BREAKOUT ROOM	RF-3	RB-1	PA-2 / AWP-1	PA-1	PA-1	PA-1	EXP / PA-4 / ACP-1	
2B8	BREAKOUT ROOM	RF-3	RB-1	PA-2 / AWP-1	PA-1	PA-1	PA-1	EXP / PA-4 / ACP-1	
2B9	BREAKOUT ROOM	RF-3	RB-1	PA-2 / AWP-1	PA-1	PA-1	PA-1	EXP / PA-4 / ACP-1	
2B10	BREAKOUT ROOM	RF-3	RB-1	PA-2 / AWP-1	PA-1	PA-1	PA-1	EXP / PA-4 / ACP-1	
2B11	TELECOM	RF-2	RB-1	PA-1	PA-1	PA-1	PA-1	EXP / PA-4	
201	ENTRY	RF-1	RB-1	PA-1	PA-2 / AWP-1	PA-1	PA-1	EXP / PA-4 / ACP-2	
209	OPEN OFFICE	RF-1	RB-1	PA-2 / AWP-1 / PA-1	PA-2 / AWP-1 / PA-1	PA-1 / PA-2	PA-1	EXP / PA-4 / ACP-2	
209A	PRINT/COPY	RF-1	RB-1	PA-1	PA-1	PA-1	PA-1	EXP / PA-4 / ACP-1	

SHEET NOTES

1. REFER TO SPECIFICATIONS FOR THE BASIS OF DESIGN OR EQUIVALENT MANUFACTURER TECHNICAL REQUIREMENTS.
2. FINISHES INDICATED ARE THE APPROVED BASIS OF DESIGN TO CONVEY COLOR, PATTERN, TEXTURE AND SALIENT CHARACTERISTICS ONLY. THE LISTING OF MANUFACTURER INFORMATION IS NOT INTENDED TO LIMIT THE SELECTION OF PRODUCTS PROVIDED BY OTHER MANUFACTURERS.
3. REFER TO INTERIOR ELEVATIONS, REFLECTED CEILING DRAWINGS, FINISH DRAWINGS AND INTERIOR DETAIL DRAWINGS FOR ADDITIONAL FINISH PLACEMENT INFORMATION.
4. REFER TO ELECTRICAL DRAWINGS, MECHANICAL DRAWINGS AND COMMUNICATION DRAWINGS FOR COORDINATION OF BUILDING FINISHES TO BUILDING SYSTEMS.
5. REFER TO FINISH PLANS AND INTERIOR ELEVATIONS FOR WALL FINISH EXTENTS AND CORNER GUARD LOCATIONS.
6. REFER TO REFLECTED CEILING DRAWINGS FOR CEILING HEIGHTS AND CEILING MATERIAL EXTENTS.
7. PROVIDE BLOCKING AS REQUIRED TO SECURE WALL MOUNTED ITEMS INCLUDING ACCESSORIES, MARKERBOARDS, TACKBOARDS, FLAT PANEL DISPLAYS, ACOUSTICAL WALL PANELS, AND ANY OTHER WALL MOUNTED OBJECT.
8. INTERIOR DOORS AND FRAMES TO BE (PA-3) SEMI-GLOSS FINISH UNLESS OTHERWISE NOTED.
9. PROVIDE FIXED BLACKOUT SHADES (RS-1) AT ALL EXTERIOR WINDOWS IN OPEN OFFICE AND VESTIBULE. PROVIDE POWERED BLACKOUT ROLLER SHADES (RS-2) AT ALL OTHER EXTERIOR WINDOWS THAT ARE NOT RECEIVING RS-1.
10. WALL CORNER GUARDS MUST BE INSTALLED STARTING AT THE TOP OF THE SCHEDULED WALL BASE.
11. WALL CORNERGUARDS TO BE USED ON ALL OUTSIDE CORNERS OF GYPSUM WALLS.
12. PAINT EXPOSED CEILING ELEMENTS INCLUDING METAL DECK AND STRUCTURAL STEEL BEAMS.
13. PAINT EXPOSED MISCELLANEOUS STEEL, PIPING, HANGERS, VALVES AND CONDUITS. THE PAINT COLOR MUST MATCH ADJACENT WALL COLOR. FIRE PROTECTION PIPING COLOR MUST BE SAFETY RED.
14. DO NOT PAINT PRE-FINISHED ITEMS, FINISHED METAL SURFACES, OPERATING PARTS, LABELS OR WARNINGS.

FINISH LEGEND REMARKS:

A. FIELD VERIFY ALL CUTOUT DIMENSIONS AT OUTLETS, EXPOSED CEILING BEAMS, DUCTWORK, AND MEP SYSTEMS. FABRICATE AND INSTALL WALL PANELS WITH CUSTOM CUTS AS REQUIRED TO ACCOMMODATE OBSTRUCTIONS AND MAINTAIN CONTINUOUS INSTALLATION.

B. REFER TO ARCHITECTURE WINDOW DETAILS.

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 21587, expiration date 06-06-2027.

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

STATE OF MARYLAND · SANDRA E. HERZOG · 21587 · ARCHITECT · 07/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

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FIRE PROTECTION	JPH

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NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
ROOM FINISH LEGEND AND SCHEDULE

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230830
SHEET	22 OF 98

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DRAWFORM REVISION: 14 SEP 2023

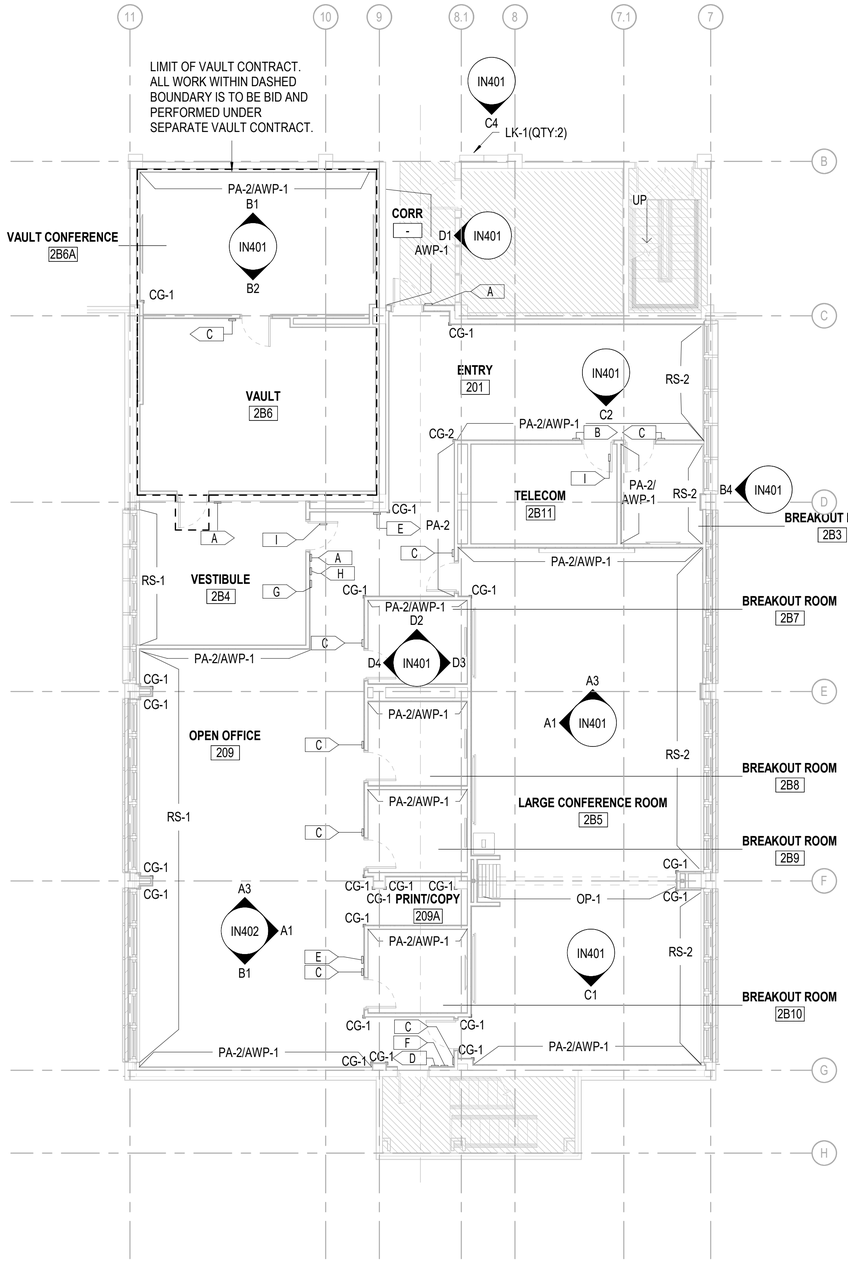
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SIGNAGE LEGEND

SIGN TAG	SIGN TYPE
A	ROOM ID WITH INSERT
B	PERMANENT ROOM ID
C	CONFERENCE ROOM
D	STAIR
E	FIRE EXTINGUISHER
F	EMERGENCY EXIT NO RE-ENTRY
G	CONTROLLED ENTRY
H	CONTROLLED ENTRY ATTENTION
I	AUTHORIZED PERSONNEL



A2 SECOND FLOOR FINISH AND SIGNAGE PLAN - AREA B [LV]
SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFERENCE IN001 FINISH LEGEND AND SCHEDULE FOR ADDITIONAL INFORMATION.
2. FOR FLOORING MATERIAL TRANSITIONS WHICH OCCUR AT DOORWAYS, TERMINATE FINISH TRANSITION AND TRANSITION STRIP UNDER THE DOOR AT THE DOOR STOP OR CENTER UNDER THE CLOSED DOOR.
3. MATERIAL / PRODUCTS MUST BE INSTALLED PER MANUFACTURERS INSTALLATION REQUIREMENTS.
4. REFERENCE ELEC, MECH, STRUCT, COMM, AND SECURITY DRAWINGS FOR COORDINATING BETWEEN WALL FINISHES AND BUILDING SYSTEMS.
5. REFER TO SIGNAGE SCHEDULE GENERAL NOTES.
6. REFER TO SIGNAGE SCHEDULE AND DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.
7. REFER TO SIGNAGE SCHEDULE FOR SIGN LOCATION TAG, DOOR LOCATION, SIGN TYPE, SIGN TEXT NUMBER, AND PLACEHOLDER MESSAGE TEXT.
8. REFER TO SIGNAGE MOUNTING HEIGHTS ON SIGNAGE DETAIL DRAWINGS. SIGNS TO BE WALL-MOUNTED ON THE LATCH SIDE OF DOOR OR AS INDICATED. HEIGHTS, CLEARANCES, AND CONFIGURATIONS SHOWN ARE TYPICAL AND MUST APPLY IN ALL INSTANCES UNLESS NOTED OTHERWISE.
9. EXTERIOR AND INTERIOR SIGNAGE MUST COMPLY WITH UFC REQUIREMENTS AS FOUND IN UFC 3-120-01.
10. REFER TO LIFE SAFETY DRAWINGS FOR FIRE EXTINGUISHER INFORMATION. FINAL LOCATIONS OF FIRE EXTINGUISHERS / SIGNS MUST BE APPROVED BY THE AHJ PRIOR TO INSTALLATION.

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number: 21587, expiration date: 05-06-2027.

FINISH LEGEND

XX-X — FINISH EXTENT

CORNER GUARD

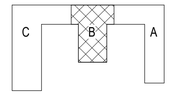
FINISHES NOT IN SCOPE

LEGEND

SIGNAGE TAG (X)

SIGNAGE TYPE

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

STATE OF MARYLAND — SHANE E. HERROD — 21587 — ARCHITECT — 07/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	DRW	CHK
SMO	SMO	MCO

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SECOND FLOOR FINISH AND SIGNAGE PLAN

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230831
SHEET	23 OF 98

IN101

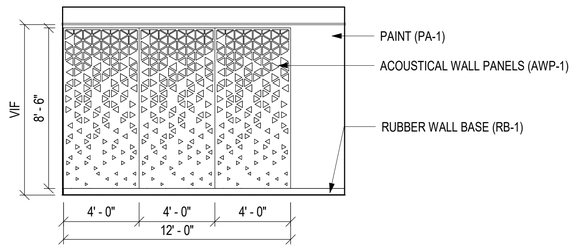
DRAWFORM REVISION: 14 SEP 2023

7/29/2026 8:51:19 AM IN101
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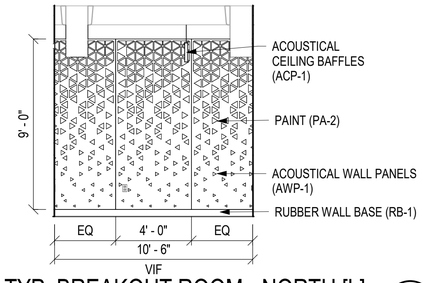
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

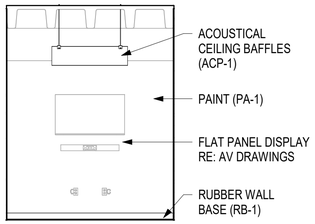
1. SEE SHEET A-001 FOR ARCHITECTURAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. SEE SHEET IN001 AND IN101 FOR ROOM FINISH LEGEND, SCHEDULE AND FINISH PLAN.
3. REFERENCE ELECTRICAL, TELECOMMUNICATION AND AUDIO-VISUAL DRAWINGS FOR POWER, COMMUNICATION, AV, CAMERA, FLAT PANEL AND SECURITY REQUIREMENTS.
4. PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT.
5. REFERENCE IF101 FURNITURE LEGEND FOR ITEMS SHOWN DASHED AND HALFTONE ITEM DESCRIPTION.



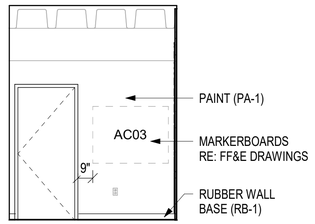
D1 CELL PHONE LOCKER ELEVATION - WEST [L]
SCALE: 1/4" = 1'-0"



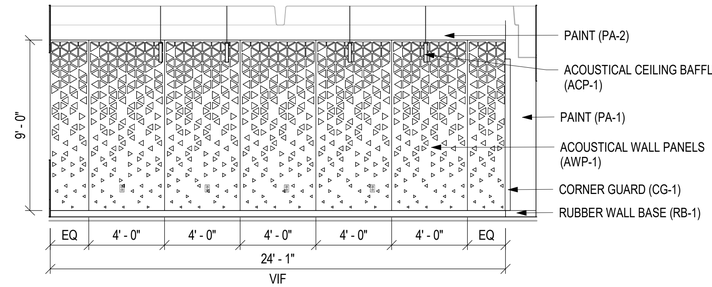
D2 TYP. BREAKOUT ROOM - NORTH [L]
SCALE: 1/4" = 1'-0"



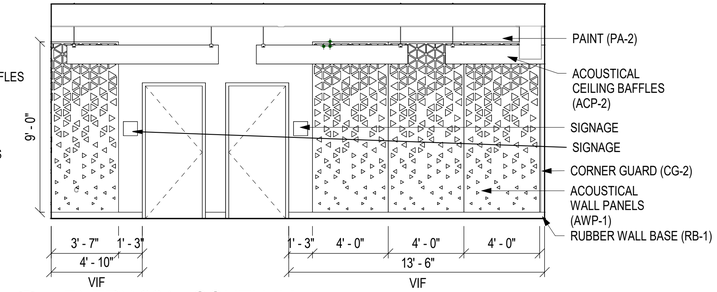
D3 TYP. BREAKOUT ROOM - EAST [L]
SCALE: 1/4" = 1'-0"



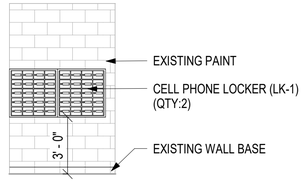
D4 TYP. BREAKOUT ROOM - WEST [L]
SCALE: 1/4" = 1'-0"



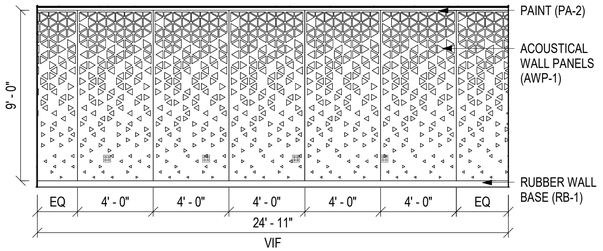
C1 LARGE CONFERENCE 2B5 - SOUTH [L]
SCALE: 1/4" = 1'-0"



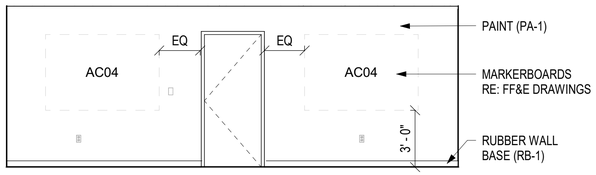
C2 ENTRY 201 - SOUTH [L]
SCALE: 1/4" = 1'-0"



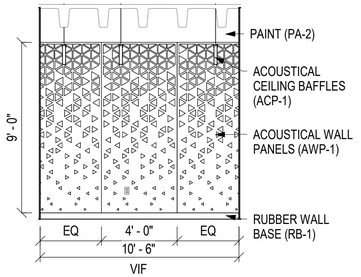
C4 CELL PHONE LOCKER ELEVATION - SOUTH [L]
SCALE: 1/4" = 1'-0"



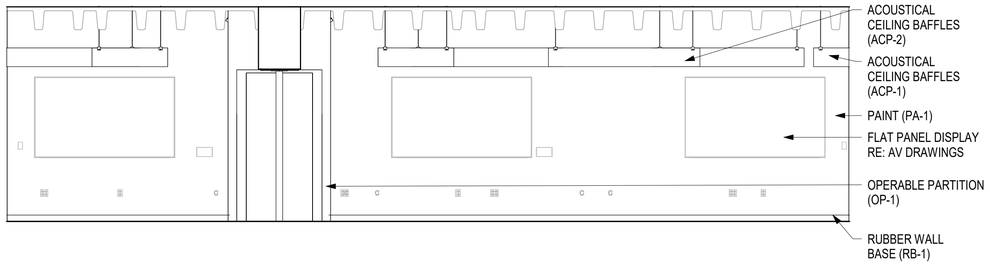
B1 VAULT CONFERENCE 2B6A - NORTH [V]
SCALE: 1/4" = 1'-0"



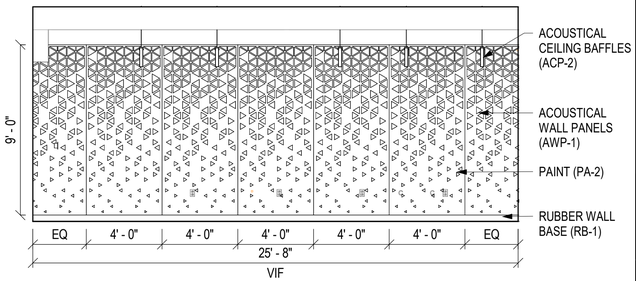
B2 VAULT CONFERENCE 2B6A - SOUTH [V]
SCALE: 1/4" = 1'-0"



B4 BREAKOUT ROOM 2B3 - WEST [L]
SCALE: 1/4" = 1'-0"



A1 LARGE CONFERENCE 2B5 - WEST [L]
SCALE: 1/4" = 1'-0"



A3 LARGE CONFERENCE 2B5 - NORTH [L]
SCALE: 1/4" = 1'-0"

GRAPHIC SCALE(S)

1/4" =1'-0" 0' 2' 4' 8'

0	ISSUED FOR BID
MARK	DESCRIPTION
	07/31/2026 DATE

NAVFAC

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number 21587, expiration date 05-05-2027.

STATE OF MARYLAND SAMUEL E. HERZOG 21587 ARCHITECT 07/31/26

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	DRW	CHK
SMO	SMO	MCO

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

INTERIOR ELEVATIONS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230832
SHEET	24 OF 98

IN401

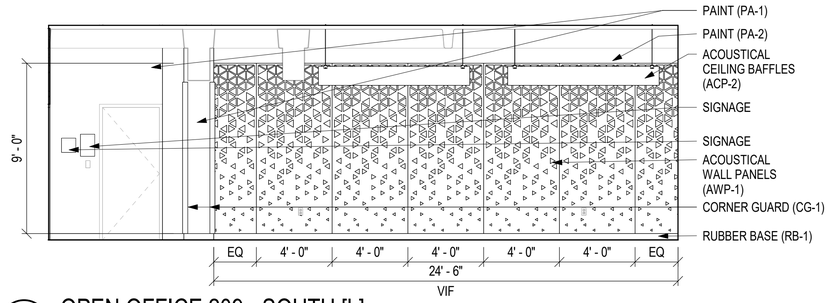
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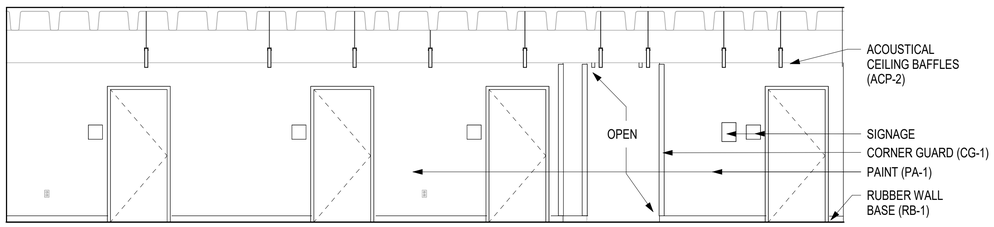
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SHEET NOTES

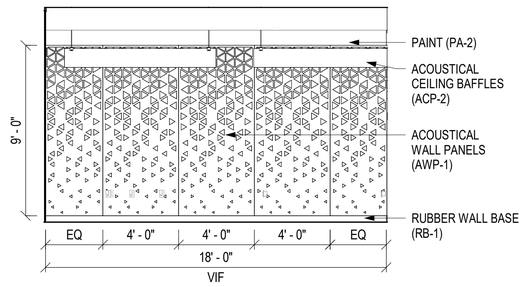
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5. REFERENCE IF101 FURNITURE LEGEND FOR ITEMS SHOWN DASHED AND HALFTONE ITEM DESCRIPTION.



B1 OPEN OFFICE 209 - SOUTH [L]
SCALE: 1/4" = 1'-0"



A1 OPEN OFFICE 209 - EAST [L]
SCALE: 1/4" = 1'-0"



A3 OPEN OFFICE 209 - NORTH [L]
SCALE: 1/4" = 1'-0"

GRAPHIC SCALE(S)
1/4" =1'-0" 0' 2' 4' 8'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number: 21587, expiration date: 06-09-2027.

NAVFAC

STATE OF MARYLAND
SHANE E. HERROD
21587
ARCHITECT
07/31/26
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SMO
DRW	SMO
CHK	MCO
PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
INTERIOR ELEVATIONS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230833
SHEET	25 OF 98

IN402

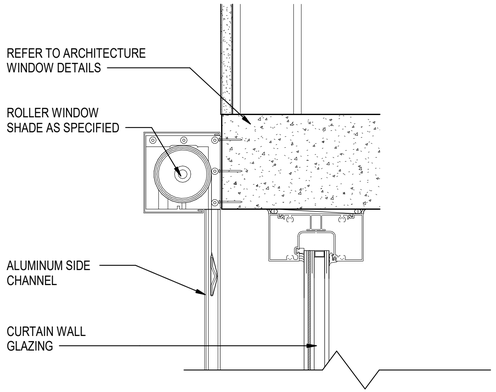
DRAWFORM REVISION: 14 SEP 2023

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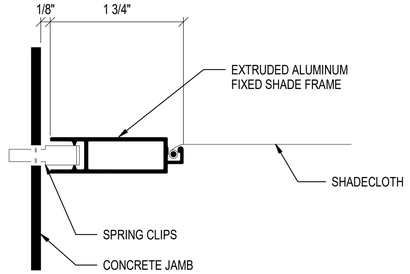
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SHEET NOTES

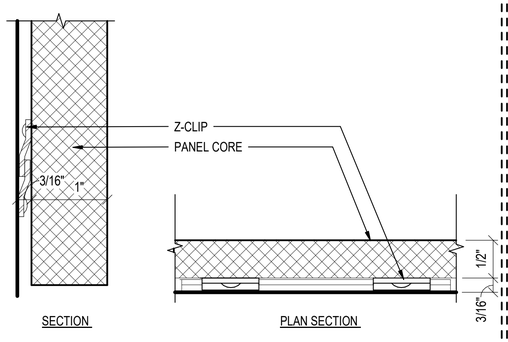
1. REFERENCE IN001 FINISH LEGEND AND SCHEDULE FOR ADDITIONAL INFORMATION.



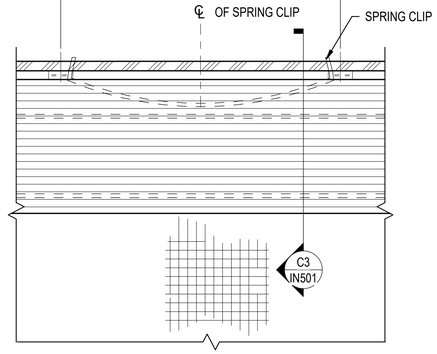
C2 ROLLER SHADE DETAIL (RS-2) [L]
SCALE: 3" = 1'-0"



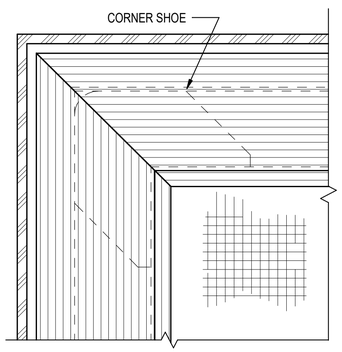
C3 FIXED SHADE DETAIL - SPRING CLIP (RS-1) [LV]
SCALE: 12" = 1'-0"



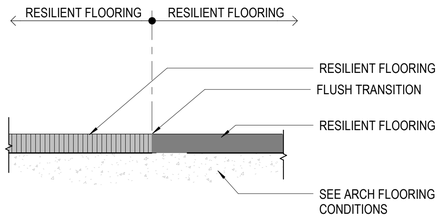
B1 ACOUSTICAL WALL PANEL DETAIL [LV]
SCALE: 12" = 1'-0"



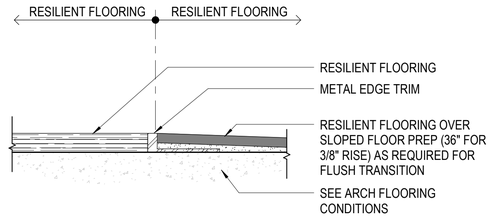
B2 FIXED SHADE DETAIL (RS-1) [LV]
SCALE: 12" = 1'-0"



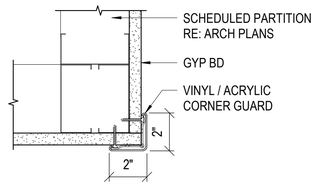
B3 FIXED SHADE DETAIL - CORNER (RS-1) [LV]
SCALE: 12" = 1'-0"



A1 RESILIENT TO RESILIENT [LV]
SCALE: 12" = 1'-0"



A2 RESILIENT TO RESILIENT [L]
SCALE: 12" = 1'-0"



A3 CORNER GUARD DETAIL [LV]
SCALE: 3" = 1'-0"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number: 21587, expiration date: 06-09-2027.

STATE OF MARYLAND
SHANE E. HERROD
21587
ARCHITECT
07/31/26
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	DRW	CHK
SMO	SMO	MCO

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

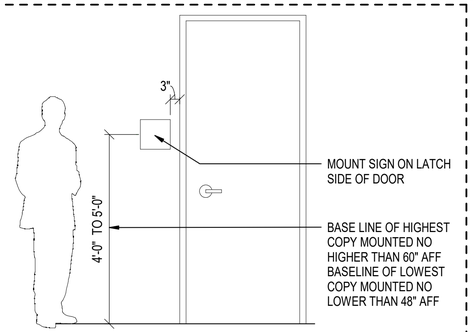
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
INTERIOR DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230834
SHEET 26 OF 98

IN501

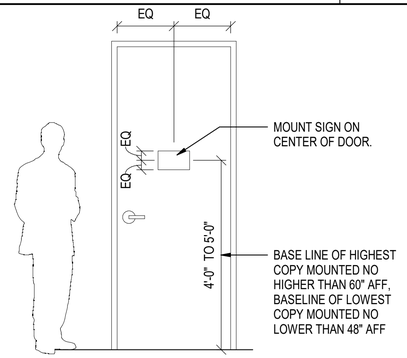
DRAWFORM REVISION: 14 SEP 2023

7/29/2026 8:51:23 AM IN501
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D1 TYP. SIGN INSTALLATION - WALL [LV]

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



D2 TYP. SIGN INSTALLATION - DOOR [L]

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

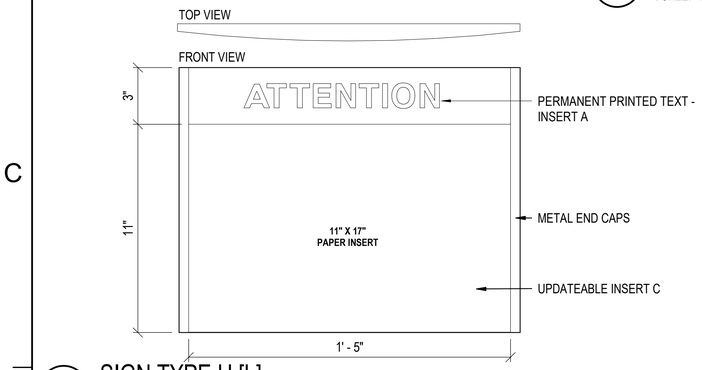
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SIGNAGE SCHEDULE

ROOM NUMBER LOCATION	SIGN TAG	MESSAGE		MOUNTING TYPE
		NUMBER	TEXT	
2B3	C	2B3	BREAKOUT ROOM	WALL
2B4	I	--	REFER TO SIGN TYPE	DOOR
2B4	G	--	REFER TO SIGN TYPE	WALL
2B4	H	--	REFER TO SIGN TYPE	WALL
2B4	A	2B4	VESTIBULE	WALL
2B5	C	2B5	LARGE CONFERENCE ROOM	WALL
2B5	C	2B5	LARGE CONFERENCE ROOM	WALL
2B6	A	2B6	VAULT	WALL
2B6A	C	2B6A	VAULT CONFERENCE	WALL
2B7	C	2B7	BREAKOUT ROOM	WALL
2B8	C	2B8	BREAKOUT ROOM	WALL
2B9	C	2B9	BREAKOUT ROOM	WALL
2B10	C	2B10	BREAKOUT ROOM	WALL
2B11	B	2B11	TELECOM	WALL
2B11	I	--	REFER TO SIGN TYPE	DOOR
201	A	201	ENTRY	WALL
209	F	--	REFER TO SIGN TYPE	WALL
209	E	--	REFER TO SIGN TYPE	WALL
209	E	--	REFER TO SIGN TYPE	WALL
STAIR	D	--	REFER TO SIGN TYPE	WALL

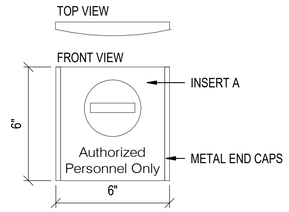
SHEET NOTES

1. SIGNS TO BE WALL-MOUNTED ON THE LATCH SIDE OF DOOR OR AS INDICATED. HEIGHTS, CLEARANCES, AND CONFIGURATIONS SHOWN ARE TYPICAL AND MUST APPLY IN ALL INSTANCES UNLESS NOTED OTHERWISE.
2. INTERIOR SIGNAGE TO MATCH CURRENT CORPORATE BRANDING SIGNAGE. ALL SIGNS MUST BE CONFIRMED BY GOVERNMENT END USER PRIOR TO SIGNAGE SHOP DRAWINGS.
3. REFER TO SPECIFICATION SECTION 10 14 00 20 INTERIOR SIGNAGE FOR BASIS OF DESIGN OR EQUIVALENT MANUFACTURER, PRODUCT STYLE AND COLOR.
4. REFER TO SIGNAGE PLAN FOR LOCATION OF INTERIOR SIGNS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION OF SIGNAGE INSTALLATION TO WALL CONSTRUCTION. SIGNAGE MUST BE ANCHORED THRU THE SURFACE APPLIED WALL FINISHES TO THE SUBSTRATE WALL.
6. ALL HARDWARE/MOUNTING ATTACHMENTS TO BE CONCEALED AND APPROPRIATE FOR THE RECEIVING BUILDING SURFACE.
7. PROVIDE MESSAGE INSERTS FOR WINDOW SIGNS WHERE INDICATED IN THE SIGNAGE DRAWINGS OR SPECIFICATIONS.
8. ALL SIGNAGE MUST COMPLY WITH THE MOST CURRENT VERSION OF THE ARCHITECTURAL BARRIERS ACT (ABA).
9. INSTALL FIRE EXTINGUISHER IDENTIFICATION SIGN ABOVE ALL FIRE EXTINGUISHERS. SEE LIFE SAFETY PLANS AND FF&E PLANS FOR FIRE EXTINGUISHER LOCATIONS.
10. ALL ROOM NUMBERING AND NAMES TO BE CONFIRMED BY GOVERNMENT END USER PRIOR TO SIGNAGE SHOP DRAWINGS.
11. ALL MESSAGE TEXT AS SHOWN ON THE SIGN SCHEDULE IS A PLACE HOLDER ONLY AND IS NOT THE FINAL TEXT MESSAGE. ALL MESSAGE TEXT MUST BE CONFIRMED BY GOVERNMENT END USER PRIOR TO SIGNAGE SHOP DRAWINGS. ALLOW FOR MAXIMUM 4 DIGIT ROOM NUMBERS AND MINIMUM 25 CHARACTER ROOM NAMES TYPICAL FOR ALL SIGNS.



C1 SIGN TYPE H [L]

SCALE: 3" = 1'-0"



C2 SIGN TYPE I [L]

SCALE: 3" = 1'-0"

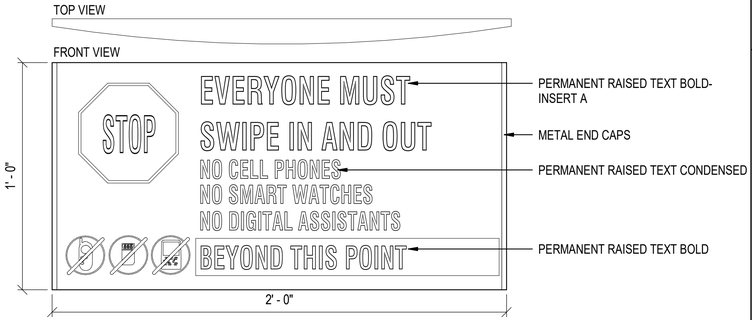
SIGNAGE - BASIS OF DESIGN (SG-1)

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- INSERT COLOR: 815 INDIGO
- COPY STYLE: ARIAL
- COPY COLOR: 708 WHITE

INSERT B:
- INSERT COLOR: 708 WHITE
- COPY STYLE: ARIAL
- COPY COLOR: 815 INDIGO

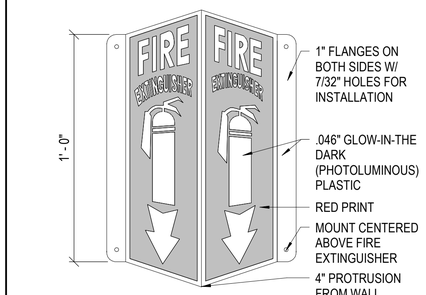
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- COPY STYLE: ARIAL

END CAP/EDGE RAIL COLOR: 101 SATIN NATURAL



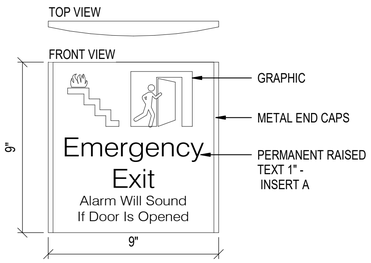
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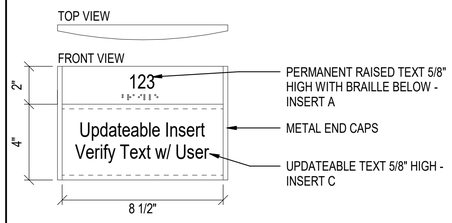
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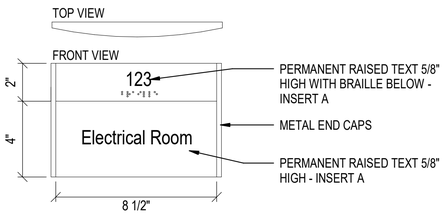
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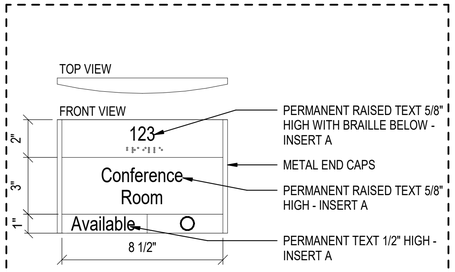
A1 SIGN TYPE A [L]

SCALE: 3" = 1'-0"



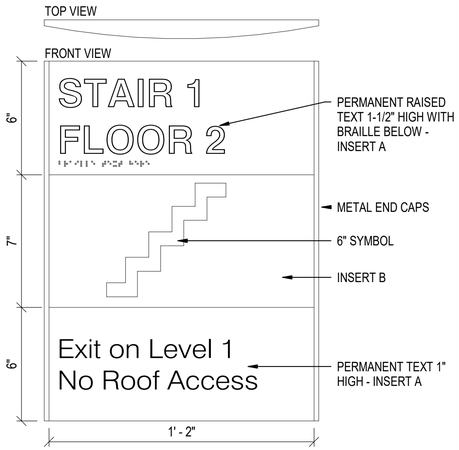
A2 SIGN TYPE B [L]

SCALE: 3" = 1'-0"



A3 SIGN TYPE C [LV]

SCALE: 3" = 1'-0"



A4 SIGN TYPE D [L]

SCALE: 3" = 1'-0"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number 21587, expiration date 06-08-2027.

STATE OF MARYLAND
SHANE E. HEARD
21587
ARCHITECT
07/31/26
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	SMO	DRW	SMO	CHK	MCO
PM/DM					OAH/RSJ
BRANCH MANAGER					NAS
CHIEF ENG/ARCH					ADV
FIRE PROTECTION					JPH

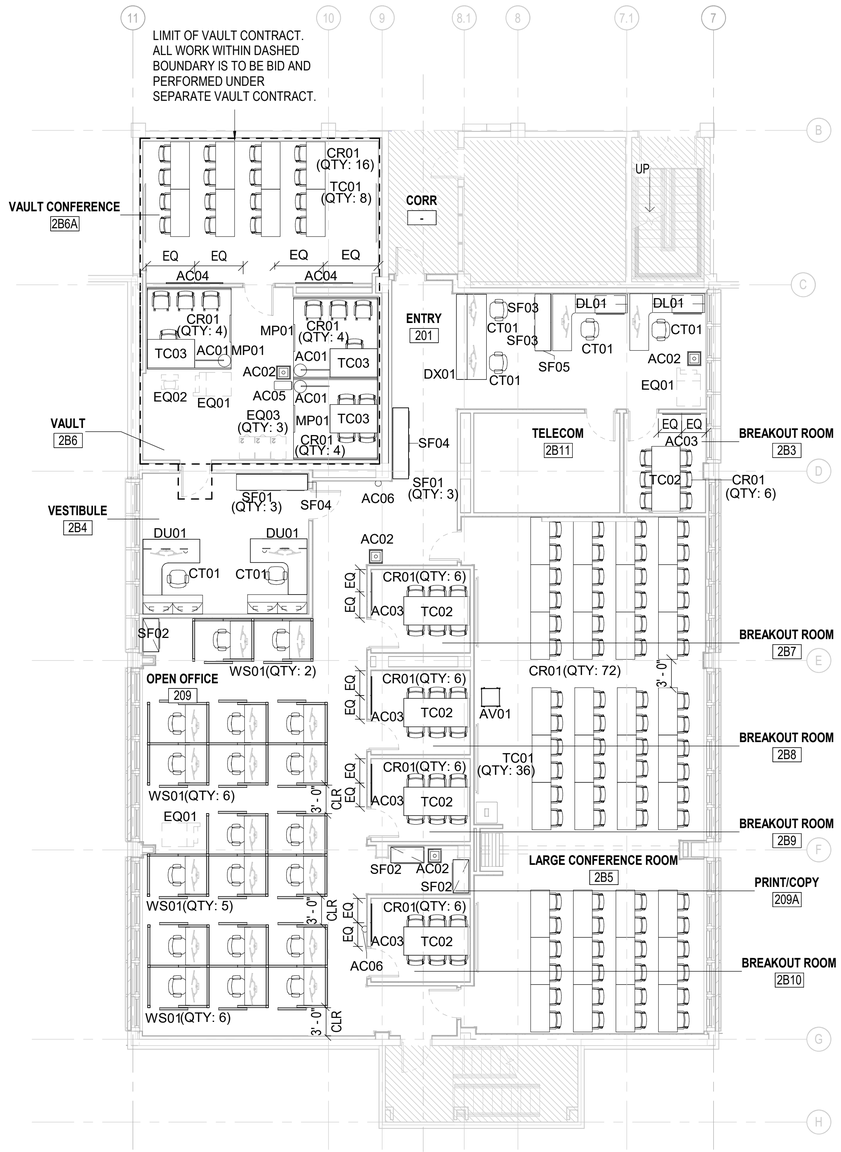
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SIGNAGE SCHEDULE AND DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230835
SHEET	27 OF 98

IN601

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 8:51:23 AM IN601
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A2 SECOND FLOOR FURNITURE PLAN - AREA B [LV]

SCALE: 1/8" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

FF&E SCHEDULE

ITEM CODE	ITEM DESCRIPTION	QUANTITY
ACCESSORIES		
AC01	FREESTANDING MARKERBOARD	3
AC02	WASTE RECEPTACLE	4
AC03	MARKERBOARD - 48"W X 48"H	5
AC04	MARKERBOARD - 60"W X 48"H	2
AC05	SHREDDING BIN	1
AC06	FIRE EXTINGUISHER - A:B:C: TYPE DRY CHEMICAL - 4A-80B:C	2
CHAIRS AND SEATING		
CR01	MULTIPURPOSE CHAIR	130
CT01	ERGONOMIC TASK CHAIR	25
DESKS		
DL01	L-SHAPED DESK	2
DU01	U - SHAPED DESK	2
DX01	TRANSACTION DESK	1
FILING AND STORAGE		
AV01	MOBILE LECTERN	1
SF01	LATERAL FILE 2 DRAWER - 30"W	6
SF02	LATERAL FILE 2 DRAWER - 42"W	3
SF03	LATERAL FILE 2 DRAWER - 36"W	2
SF04	LATERAL FILE COMMON TOP - 90"W	2
SF05	LATERAL FILE COMMON TOP - 72"W	1
MEETING POD		
MP01	MEETING POD	3
TABLES		
TC01	TRAINING TABLE - 24"D X 60"W	44
TC02	MEETING TABLE - 36"D X 84"W	5
TC03	MEETING TABLE - 36"D X 60"W	3
WORKSTATIONS		
WS01	WORKSTATION - 4' X 6'	19

GFGI SCHEDULE

ITEM CODE	ITEM DESCRIPTION	QUANTITY
EQ01	FLOOR COPIER	3
EQ02	SHREDDER	1
EQ03	SAFE	3

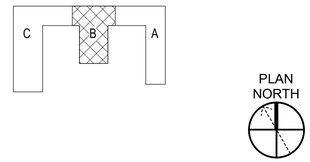
SHEET NOTES

1. FF&E IS AN OPTION TO THE CONSTRUCTION CONTRACT. IF THIS OPTION IS AWARDED IT WILL TYPICALLY BE AWARDED APPROXIMATELY 6 MONTHS PRIOR TO CONSTRUCTION COMPLETION. REFERENCE THE PRICE SHCEDULE TO PROPOSE ON THE HAR % AS WELL AS SPECIFICATION DIVISION 12 00 01. 00 20 FOR ADDITIONAL INSTRUCTIONS.
2. REFER TO ARCHITECTURAL FLOOR PLANS FOR BUILDING LAYOUT, DIMENSIONS, AND COORDINATION TO BUILDING SYSTEMS AND STRUCTURE. FURNITURE, FIXTURES AND EQUIPMENT (FF&E) DRAWINGS PROVIDED FOR COORDINATION WITH BUILDING SYSTEMS ONLY.
3. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF LIGHTING, POWER, DATA, COMMUNICATIONS, AND LOCATIONS OF OTHER WALL AND FLOOR MOUNTED ELECTRICAL DEVICES AND EQUIPMENT FOR COORDINATION TO FURNITURE LAYOUTS. CONTRACTOR MUST IDENTIFY ANY CONFLICTS WITH FURNITURE LAYOUTS.
4. REFER TO MECHANICAL DRAWINGS FOR COORDINATION OF PLUMBING AND HVAC SYSTEMS TO FURNITURE LAYOUTS. THERMOSTATS, DIFFUSERS AND ACCESS PANELS MUST NOT CONFLICT WITH FURNITURE LAYOUTS. CONTRACTOR MUST IDENTIFY ANY CONFLICTS WITH FURNITURE LAYOUTS.
5. REFER TO AUDIO VISUAL DRAWINGS AND SPECIFICATIONS FOR FLAT PANEL DISPLAY PLACEMENT, SIZES AND QUANTITIES.
6. FURNITURE AND EQUIPMENT SHOWN DASHED AND HALFTONED WILL BE GOVERNMENT FURNISHED, GOVERNMENT INSTALLED (GFGI). GFGI ITEMS ARE NOT INCLUDED IN THE FF&E PACKAGE AND ARE SHOWN FOR COORDINATION PURPOSES ONLY. GFGI ITEMS MAY INCLUDE PRINTERS, COPIERS, SHREDDERS AND OTHER ITEMS AS INDICATED.

FOR INFORMATION ONLY

REFERENCE FF&E PROCUREMENT SPECIFICATION 12 00 01.00 20 FOR INSTRUCTIONS RELATED TO FF&E SCHEDULES THAT IS TO BE INCLUDED IN CONSTRUCTION BASE PRICE PROPOSAL, HAR % AND THE GOVERNMENT'S OPTION TO MODIFY THE CONTRACT FOR FF&E PRIOR TO CONTRACT COMPLETION.

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

STATE OF MARYLAND — SHANE E. HERSOM — 21587 — ARCHITECT — 07/31/26

SEAL

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number: 21587, expiration date: 06-30-2027.

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES SMO | DRW SMO | CHK MCO

PM/DM OAH/RSJ

BRANCH MANAGER NAS

CHIEF ENG/ARCH ADV

FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

SECOND FLOOR FURNITURE PLAN

SCALE: AS NOTED

EPROJECT NO.: 1799717

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
15230836

SHEET 28 OF 98

IF101

DRAWFORM REVISION: 14 SEP 2023

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GENERAL FIRE ALARM NOTES

1. MODIFY THE EXISTING ADDRESSABLE FIRE ALARM SYSTEM. THIS PROJECT INCLUDES THE DEMOLITION OF THE EXISTING FIRE ALARM SYSTEM IN THE SCOPE OF WORK AREAS. THE EXISTING CONTROL UNIT IS SIEMENS CERBERUS PYROTORNICS MXL-IQ AND IS LOCATED IN THE FIRE PANEL ROOM ON THE FIRST FLOOR.
2. PROVIDE A FULLY COORDINATED SYSTEM. REVIEW COORDINATION CONFLICTS WITH ARCHITECT AND ENGINEER PRIOR TO PROCUREMENT AND INSTALLATION. CORRECT ANY DEFICIENCIES, INCONSISTENCIES, OR POORLY COORDINATED INSTALLATIONS AT NO ADDITIONAL COST.
3. THE FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT SHOW A FINAL QUANTITY OF DEVICES. DETERMINE THE FINAL QUANTITY AND LOCATION OF ALL DEVICES IN ACCORDANCE WITH THE SPECIFICATIONS, CONTRACT DRAWINGS, AND MANUFACTURER'S WRITTEN RECOMMENDATIONS TO BE COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS. PROVIDE ADDITIONAL DEVICES WHEN REQUIRED FOR A FULLY FUNCTIONING FIRE ALARM SYSTEM AS REQUIRED BY NFPA 72 AND UFC 3-600-01.
4. CONCEAL ALL CONDUITS IN WALLS OR ABOVE CEILINGS UNLESS OTHERWISE INDICATED. EXCEPTION: CONDUIT IS ALLOWED TO BE SURFACE MOUNTED ON WALLS AND CEILINGS IN UNFINISHED AREAS (SUCH AS MECHANICAL ROOM AND ELECTRICAL ROOM). WHERE A CONDUIT SUPPLIES A DEVICE NOT MOUNTED DIRECTLY ON THE WALL OR CEILING, ROUTE THE CONDUIT AS A SINGLE PENDENT DROP TO EACH DEVICE FROM THE CEILING SURFACE ABOVE.
5. ALL EXPOSED FIRE ALARM JUNCTION BOXES, COVERS, COUPLINGS AND CONDUITS IN UNFINISHED AREAS ARE TO BE PROVIDED PRE-FINISHED RED FROM THE FACTORY. PAINT EXPOSED CONDUIT AND JUNCTION BOXES IN FINISHED AREAS TO MATCH ADJACENT SURFACES. LABEL JUNCTION BOXES INSIDE COVER "FIRE ALARM".
6. PROVIDE CONDUIT IN ACCORDANCE WITH THE REQUIREMENTS OF THE ELECTRICAL SPECIFICATIONS, UNLESS OTHERWISE NOTED. SUPPORT CONDUIT IN ACCORDANCE WITH THE NEC SUCH AS MAXIMUM 10 FT SUPPORT INTERVALS AND 3 FT FROM A TERMINATION. TENSION ONLY HANGERS (SUCH AS BATWINGS) ARE NOT PERMITTED . FLEXIBLE CONDUIT IS ONLY PERMITTED WHEN CONNECTING TO THE FOLLOWING DEVICES AND APPLIANCES: DEVICES LOCATED ON FIRE SUPPRESSION EQUIPMENT SUCH AS FLOW SWITCHES, TAMPER SWITCHES, DEVICES AND APPLIANCES LOCATED IN REMOVABLE CEILING TILES, OR WHERE SPECIFICALLY NOTED.
7. PROVIDE CONDUCTOR SIZING NOT LESS THAN 18 AWG FOR SLC. INITIATING DEVICE AND NOTIFICATION APPLIANCE CIRCUITS MUST BE MINIMUM 16 AWG PER UFC 3-600-01. CONSISTENTLY COLOR COORDINATE ALL CONDUCTORS THROUGH THE SYSTEM IN RELATION TO DEVICES THEY FEED SUCH AS SLC - BLACK/RED, STROBE - YELLOW/BLUE. PROVIDE ALL CIRCUITS WITH LABELING AT THE POINT OF TERMINATION SUCH AS SLC 1, NAC 8, IDC 4.
8. RUN CONDUCTORS FROM DEVICE TO DEVICE WITHOUT SPLICES. WIRE NUTS ARE PROHIBITED. UTILIZE TERMINAL STRIPS WHERE CONDUCTORS CANNOT BE DIRECTLY TERMINATED AT THE DEVICE SUCH AS PIGTAILS OFF A SMOKE DETECTOR.
9. DO NOT USE FIRE ALARM EQUIPMENT PANELS AS RACEWAY FOR ROUTING POWER WIRING OR LOW VOLTAGE WIRING. ONLY ROUTE WIRING TERMINATING WITHIN THE PANEL INTO THE PANEL. PROVIDE 1/4 INCH SEPARATION BETWEEN POWER-LIMITED FIRE ALARM CIRCUITS AND POWER CIRCUITS.
10. MOUNTING DEVICES IN THE FACU, INCLUDING ANY SUBPANELS SUCH AS NAC AND FAC WHICH ARE NOT UL LISTED OR FM APPROVED AS PART OF THE UNIT IS PROHIBITED.

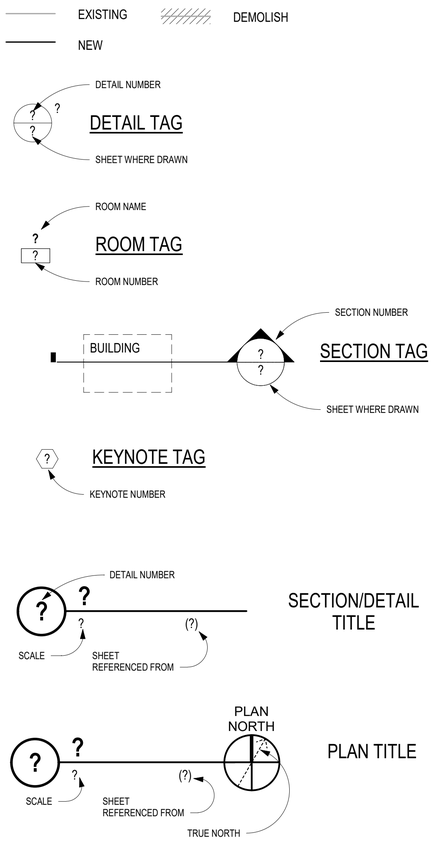
AUDIBLE DESIGN CRITERIA

1. PROVIDE AUDIBLE NOTIFICATION APPLIANCES AS INDICATED TO ACCOMPLISH THE FOLLOWING DESIGN CRITERIA WITH ALL DOORS, FIRE SHUTTERS, AND WINDOWS CLOSED. WHERE THIS DESIGN CRITERIA IS NOT ACCOMPLISHED DURING ACCEPTANCE TESTING, PROVIDE ADDITIONAL DEVICES TO MEET THE MINIMUM DESIGN CRITERIA WITHOUT EXCEEDING THE LIMITATIONS OF THE FACU OR NAC. (INCLUSIVE OF PRESCRIBED SAFETY FACTORS).
2. PROVIDE A QUANTITY OF HORNS IN EACH ROOM/AREA TO ACHIEVE THE REQUIRED SOUND POWER OUTLINED IN THESE CONTRACT DOCUMENTS.
3. WHERE THE AVERAGE AMBIENT SOUND LEVEL IS REFERENCED IT IS THE ROOT MEAN SQUARE, A-WEIGHTED, SOUND PRESSURE LEVEL MEASURED OVER THE DURATION WHEN THE BUILDING IS NORMALLY OCCUPIED.
4. PROVIDE A MINIMUM SOUND POWER OF 70 DBA AND 15 DBA OVER THE AVERAGE AMBIENT SOUND LEVEL OR 5 DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, AT THE MOST REMOTE LOCATION WITHIN THE ROOM/AREA MEASURED AT 5 FT AFF. MEASURE THE SOUND POWER OFF THE TEMPORAL THREE TONE PATTERN.
5. THE FOLLOWING CRITERIA WILL BE USED FOR REVIEW AND APPROVAL OF SHOP DRAWINGS:
   - A. REDUCE THE SOUND POWER BY 6 DB EACH TIME THE DISTANCE BETWEEN THE APPLIANCE AND THE LISTENER IS DOUBLED. STARTING DISTANCE IS PER MANUFACTURER'S DATASHEET, TYPICALLY 10 FT.
   - B. REDUCE THE SOUND POWER IN ACCORDANCE WITH THE MANUFACTURER'S DATASHEET FOR SOUND POWER DISTRIBUTION NOT PERPENDICULAR TO THE FACE OF THE APPLIANCE. REFER TO MANUFACTURER'S TYPICAL SOUND OUTPUT DISTRIBUTION DIAGRAM.
   - C. IN LIEU OF THE MANUFACTURER'S PUBLISHED DB LOSS, ASSUME A MINIMUM 15 DB LOSS THROUGH A STANDARD CLOSED DOOR.

VISIBLE DESIGN CRITERIA

1. PROVIDE VISIBLE NOTIFICATION APPLIANCES AS REQUIRED TO ACHIEVE THE COVERAGE INDICATED.
2. SPACE STROBES IN ACCORDANCE WITH THE CRITERIA OUTLINED IN NFPA 72, UNLESS OTHERWISE NOTED.

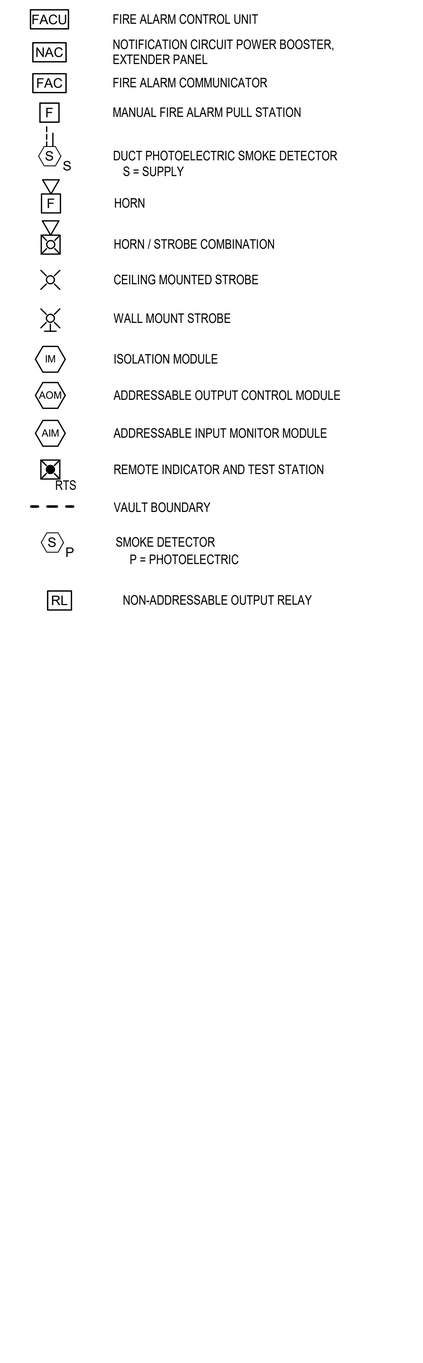
SYMBOL IDENTIFICATION LEGEND



FIRE ALARM ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AWG	AMERICAN WIRE GAUGE
CD	CANDELA
DB	DECIBEL
DBA	DECIBEL A-WEIGHTED
FA	FIRE ALARM
FAC	FIRE ALARM COMMUNICATOR
FX	FIRE SUPPRESSION
HZ	HERTZ
IAW	IN ACCORDANCE WITH
IDC	INITIATING DEVICE CIRCUIT
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
RF	RADIO FREQUENCY
SLC	SIGNALING LINE CIRCUIT
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VDC	VOLTS DIRECT CURRENT

FIRE ALARM SYSTEM LEGEND



MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

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PROFESSIONAL ENGINEER
HYUNG JIN CHO
FP 2264
07/31/2026
FIRE PROTECTION
STATE OF CALIFORNIA
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	HJC	DRW	SCD	CHK	JTW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
FIRE ALARM NOTES, LEGEND AND ABBREVIATIONS

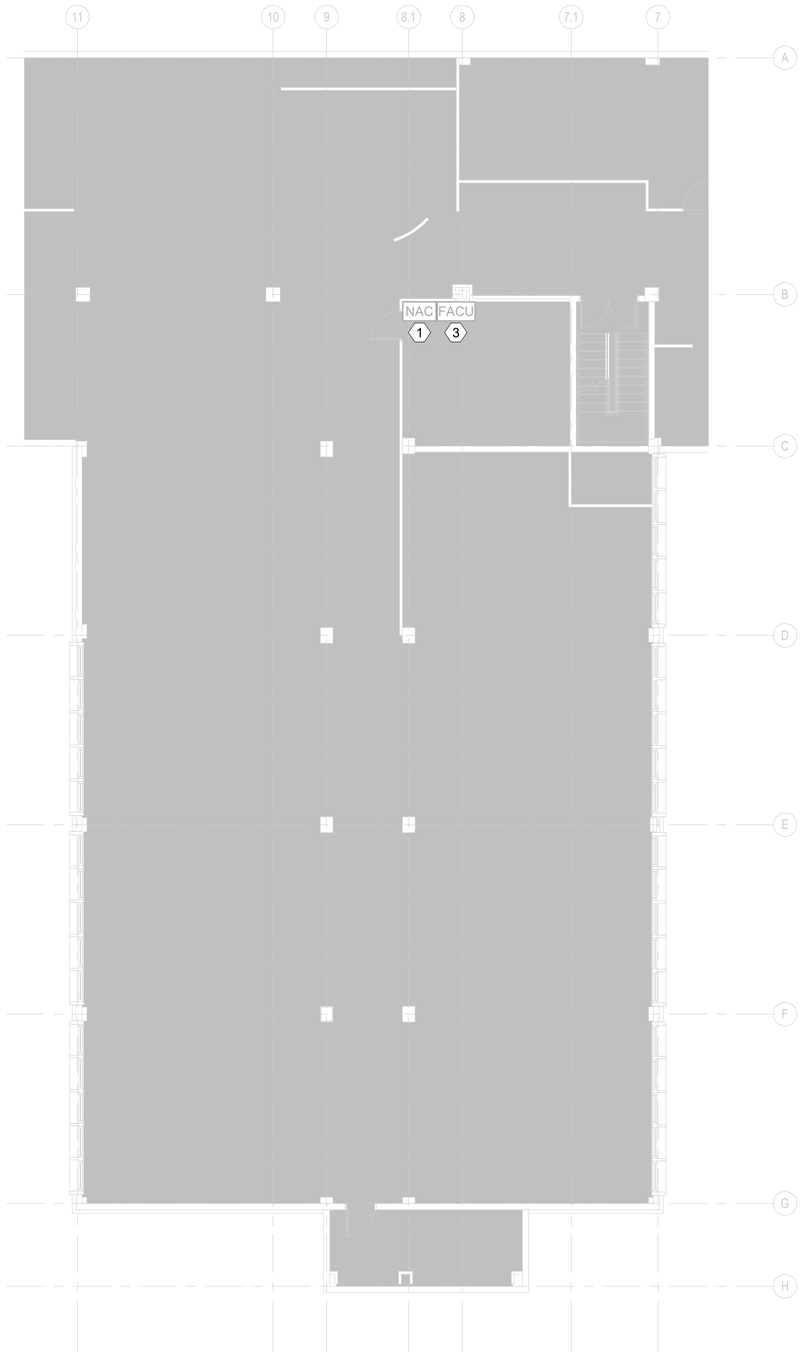
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230837
SHEET	29 OF 98

FA001

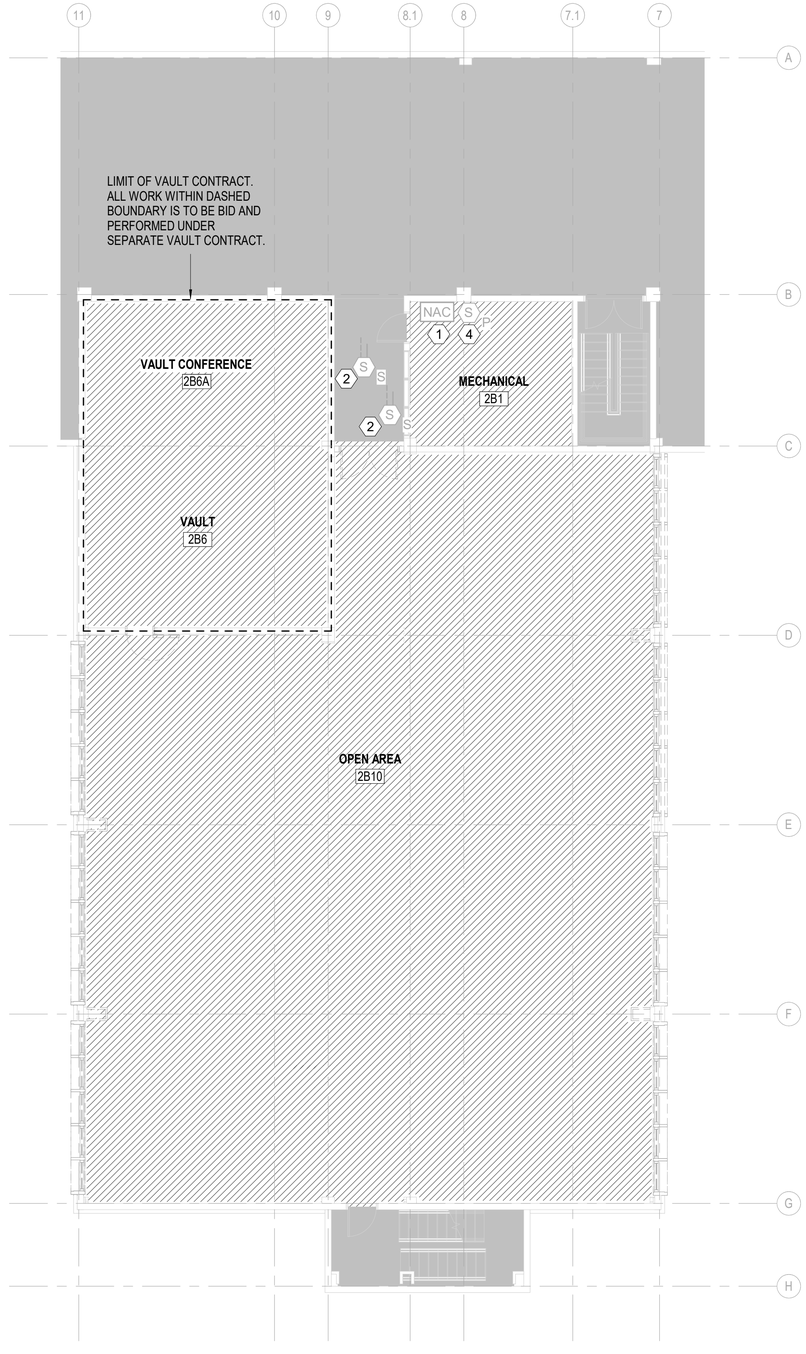
DRAWFORM REVISION: 14 SEP 2023

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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A1 FIRST FLOOR FIRE PANEL ROOM - AREA B [LV]
SCALE: 1/8" = 1'-0"



A3 SECOND FLOOR FIRE ALARM DEMOLITION PLAN - AREA B [LV]
SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

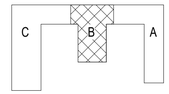
SHEET KEYNOTES

1 EXISTING TO REMAIN NAC.
2 DEMOLISH EXISTING SUPPLY SIDE DUCT SMOKE DETECTOR AND ASSOCIATED MODULES, WIRING, AND CONDUITS.
3 EXISTING TO REMAIN FACU.
4 EXISTING TO REMAIN SMOKE DETECTOR.

FIRE ALARM DEMOLITION HATCH LEGEND

	REMOVE ALL EXISTING FIRE ALARM SYSTEM COMPONENTS WITHIN THE AREAS SHOWN, INCLUDING BUT NOT LIMITED TO INITIATING DEVICES AND NOTIFICATION APPLIANCES. REMOVE ALL EXISTING CIRCUITING, JUNCTION BOXES, CONDUITS, AND SUPPORT COMPONENTS.
	NOT IN SCOPE UNO.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

PROFESSIONAL ENGINEER HYUNG JIN CHO FP 2264 07/31/2026 FIRE PROTECTION STATE OF CALIFORNIA
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

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SATISFACTORY TO DATE 07/22/2026

DES	HJC
DRW	SCD
CHK	JTW
PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SECOND FLOOR FIRE ALARM DEMOLITION PLAN

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230838
SHEET	30 OF 98

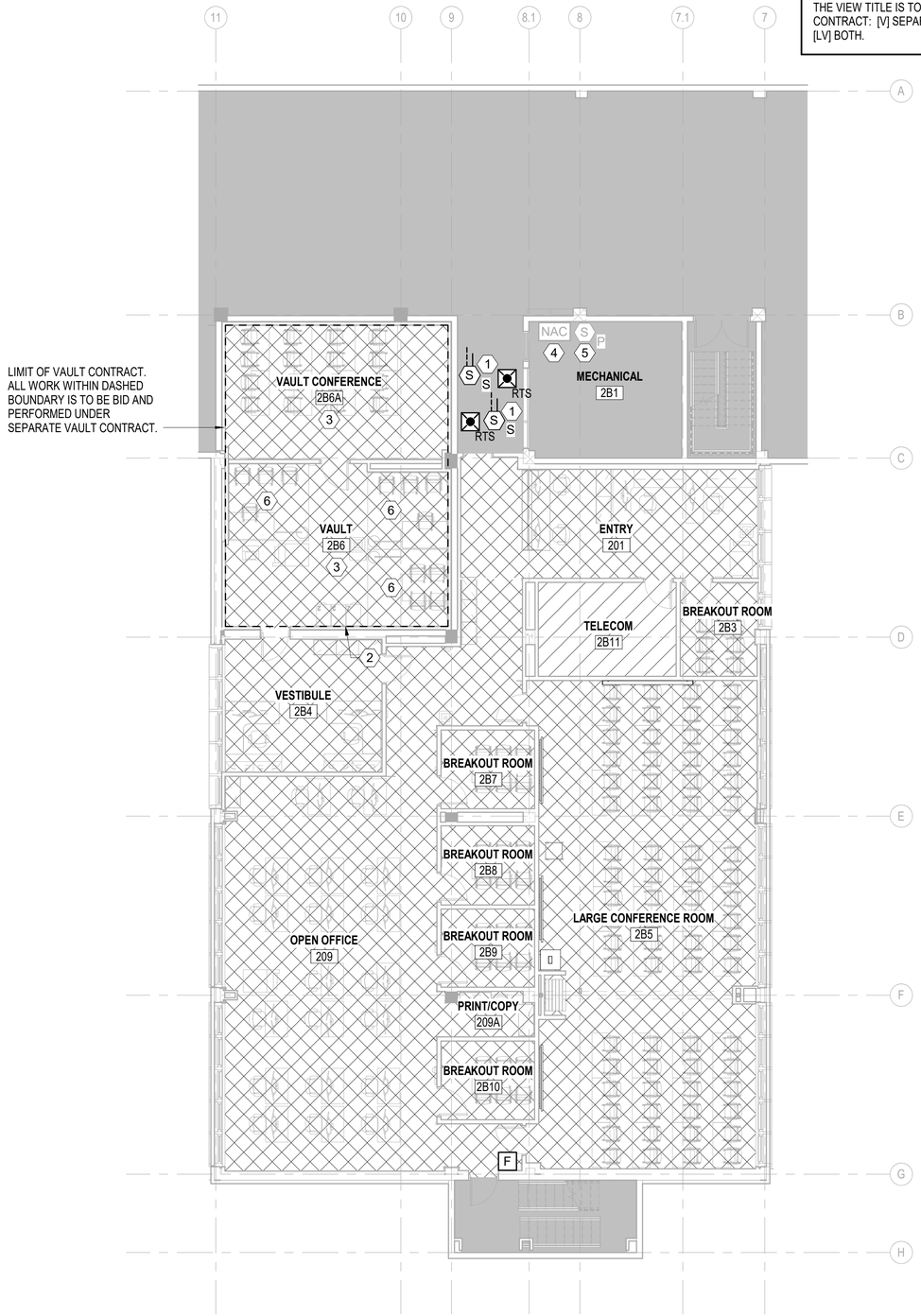
FD101

DRAWFORM REVISION: 14 SEP 2023

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CUI

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A2 SECOND FLOOR FIRE ALARM PLAN - AREA B [LV]

SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

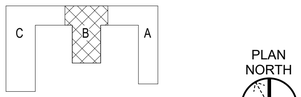
SHEET KEYNOTES

1 PROVIDE DUCT SMOKE DETECTOR AND ADDRESSABLE MODULE WITH REMOTE TEST STATION ON THE SUPPPLY SIDE FOR THE SHUTDOWN OF (E) AC-2B. REFER TO MECHANICAL DRAWINGS FOR THE EXACT LOCATION OF (E) AC-2B.
2 MINIMIZE NUMBER OF PENETRATIONS ACROSS VAULT AREA BOUNDARY. REFER TO A-600 SERIES DRAWINGS FOR VAULT BOUNDARY PENETRATION REQUIREMENTS.
3 ATTATCH FIRE ALARM SYSTEM COMPONENTS TO THE SLOTTED STRUT FRAMING SYSTEM. DO NOT SUSPEND CONDUITS AND SUPPORT COMPONENTS DIRECTLY FROM THE CEILING. REFER TO DETAIL A1 ON DRAWING A-603 FOR THE FRAMING SYSTEM DETAIL.
4 EXISTING TO REMAIN NAC.
5 EXISTING TO REMAIN SMOKE DETECTOR.
6 COORDINATE CONDUIT PENETRATIONS THROUGH PODS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.

FIRE ALARM HATCH LEGEND

NO HATCH	NOTIFICATION APPLIANCES ARE NOT REQUIRED .
	PROVIDE CEILING MOUNTED HORNS AS REQUIRED TO ACHIEVE DESIGN CRITERIA.
	PROVIDE CEILING MOUNTED HORNS AND CLEAR STROBES AS REQUIRED TO ACHIEVE DESIGN CRITERIA.
	NOT IN SCOPE UNO.

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0"

0' 4' 8' 16'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

PROFESSIONAL ENGINEER HYUNG JIN CHO FP 2264 07/31/2026 FIRE PROTECTION STATE OF CALIFORNIA

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	HJC	DRW	SCD	CHK	JTW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

SECOND FLOOR FIRE ALARM PLAN

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230839
SHEET	31 OF 98

FA101

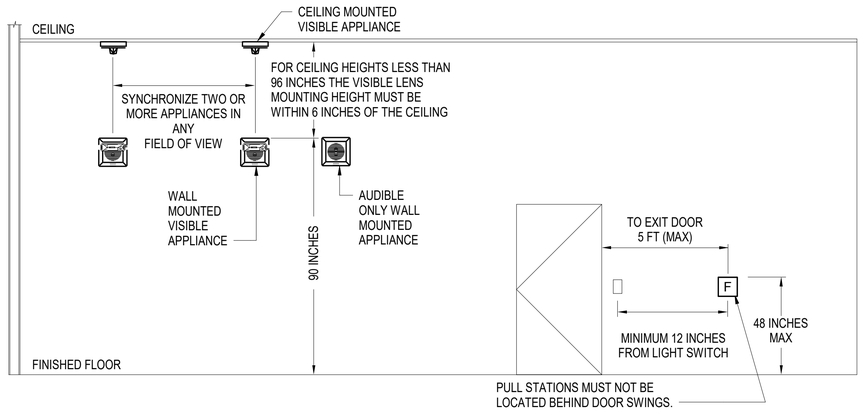
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SHEET NOTES

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.



A3 TYPICAL MOUNTING DETAIL [LV]

SCALE: NTS

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

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HYUNG JIN CHO
FP 2264
07/31/2026
FIRE PROTECTION
STATE OF CALIFORNIA

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	HJC	DRW	SCD	CHK	JTW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

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PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

FIRE ALARM DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230840
SHEET	32 OF 98

FA501

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FIRE ALARM CONTROL UNIT (FACU) FUNCTIONAL MATRIX

	ANNUNCIATION AT LOCAL PANEL			NOTIFICATION				AUXILIARY FUNCTION	
THIS MATRIX MUST SUPPLEMENT THE EXISTING FACU PROGRAMMING. DO NOT OVERWRITE EXISTING PROGRAM, UNLESS WHERE EXPLICITLY INDICATED. REVISE EXISTING PROGRAMMING TO INCLUDE THE FUNCTIONALITY IN THE MATRIX.	AUDIO-/VISIBLE FIRE ALARM INDICATION BY DEVICE	AUDIO-/VISIBLE TROUBLE INDICATION BY DEVICE	AUDIO-/VISIBLE SUPERVISORY INDICATION BY DEVICE	MANUAL PULL STATION ALARM SIGNAL TO FIRE DEPARTMENT	COMMON TROUBLE SIGNAL TO FIRE DEPARTMENT	COMMON SUPERVISORY SIGNAL TO FIRE DEPARTMENT	FIRE ALARM AUDIBLE AND VISIBLE NOTIFICATION	SHUT-DOWN ASSOCIATED AIR HANDLING EQUIPMENT	TURN ON EGRESS LIGHTING
ALARM SIGNALS									
MANUAL FIRE ALARM STATIONS	X			X			X		X
TROUBLE SIGNALS									
AC POWER FAILURE		X			X				
LOW BATTERY		X			X				
OPEN CIRCUIT FAULT		X			X				
GROUND FAULT		X			X				
NOTIFICATION APPLIANCE CIRCUIT SHORT		X			X				
COMPONENT COMMON TROUBLE		X			X				
SUPERVISORY SIGNALS									
DEACTIVATION FOR MAINTENANCE			X			X			
COMPONENT COMMON SUPERVISORY			X			X			
DUCT SMOKE DETECTORS			X			X		X	

CIRCUIT LEGEND

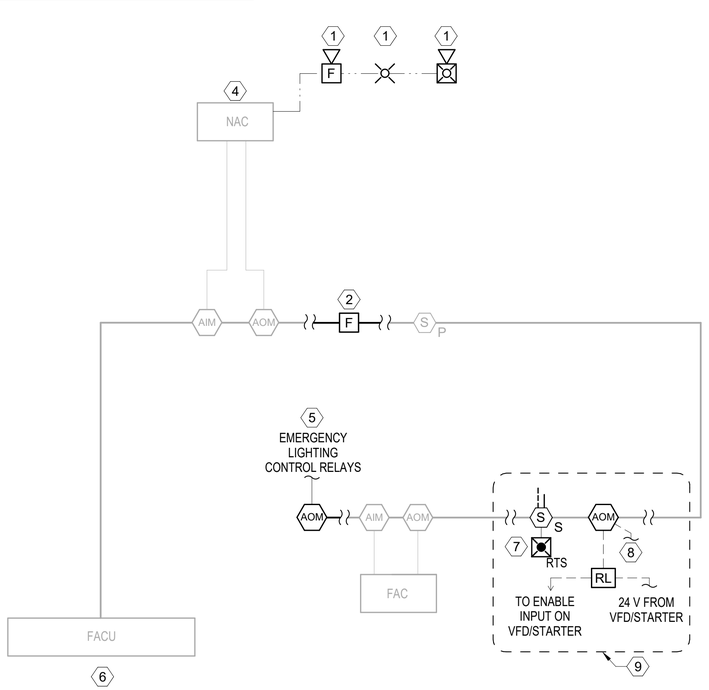
- SIGNALING LINE CIRCUIT (CLASS B)
- INITIATING DEVICE CIRCUITS (CLASS B)
- VISIBLE NOTIFICATION APPLIANCE CIRCUIT (CLASS B)
- AUDIBLE NOTIFICATION APPLIANCE CIRCUIT (CLASS B)
- POWER CIRCUIT

SHEET NOTES

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS, AND SYMBOLS.
2. THE FIRE ALARM RISER SHOWS THE INTENT OF THE FIRE ALARM INFRASTRUCTURE. NOT ALL DEVICES ARE SHOWN. PROVIDE THE QUANTITY OF DEVICES AS REQUIRED TO COMPLY WITH NFPA 72, UFC 3-600-01, AND CONTRACT DOCUMENTS.

SHEET KEYNOTES

1. QUANTITY AND LOCATION BY CONTRACTOR'S DESIGN TO MEET DESIGN CRITERIA.
2. REFER TO FIRE ALARM PLANS FOR QUANTITY AND / OR LOCATIONS OF DEVICE(S).
3. PROVIDE ADDRESSABLE INPUT AND/OR OUTPUT MODULE(S) AS REQUIRED TO ACHIEVE THE FUNCTIONALITY INDICATED IN THE FIRE ALARM MATRIX.
4. EXISTING TO REMAIN NAC IN MECHANICAL ROOM 2B1.
5. EGRESS LIGHTING TO ACTIVATE UPON ACTIVATION OF FIRE ALARM. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING CONTROL DETAILS AND FUNCTIONALITY.
6. EXISTING FACU (SIEMENS CERBERUS PYROTRONICS MXL-IQ) IS LOCATED IN FIRE PANEL ROOM ON THE FIRST FLOOR.
7. PROVIDE INDICATING LIGHT AND SIGN NEAR HVAC UNIT MODULE ON SMOKE DETECTION WHERE INDICATING LIGHT IS NOT VISIBLE FROM FLOOR.
8. 24 VDC FROM FACU.
9. PROVIDE SUPPLY DUCT SMOKE DETECTORS FOR DIRECT SHUTDOWN OF (E) AC-2B.



A3 FIRE ALARM ONE-LINE DIAGRAM [LV]

SCALE: NTS

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

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PROFESSIONAL ENGINEER HYUNG JIN CHO FP 2264 07/31/2026 FIRE PROTECTION STATE OF CALIFORNIA

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	HJC	DRW	SCD	CHK	JTW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

FIRE ALARM ONE-LINE DIAGRAM AND MATRIX

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230841
SHEET	33 OF 98

FA601

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FIRE SUPPRESSION GENERAL NOTES

1. MODIFY THE EXISTING WET-PIPE SYSTEM AS INDICATED ON THE DRAWINGS. AT A MINIMUM PROVIDE COMPONENTS AS INDICATED ON THESE DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AND MODIFICATIONS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING FIRE SUPPRESSION SYSTEM.
2. PROVIDE A FULLY COORDINATED SYSTEM. REVIEW COORDINATION CONFLICTS WITH ARCHITECT AND ENGINEER PRIOR TO PROCUREMENT AND INSTALLATION.
3. FINAL DESIGN REQUIREMENTS (DEVICE QUANTITY, SIZE, AND LOCATIONS) ARE THE SOLE RESPONSIBILITY OF THE FIRE SUPPRESSION CONTRACTOR. DRAWINGS INDICATE MINIMUM REQUIREMENTS; VERIFY AND COORDINATE FINAL DESIGN REQUIREMENTS WITH THESE CONSTRUCTION DOCUMENTS, SPECIFICATIONS, REFERENCE DOCUMENTS, APPLICABLE CODES, AND FACILITY USER REQUIREMENTS.
4. PROVIDE FIRE PROTECTION HANGERS PER NFPA 13. SUPPORT PIPING WITH THE FOLLOWING LIMITATIONS:
   a. THE TOTAL VERTICAL DEAD LOAD APPLIED TO A SINGLE STRUCTURAL FRAMING MEMBER BY ONE OR MORE HANGERS MUST NOT EXCEED THE FOLLOWING FOR THE APPROVED ATTACHMENT LOCATION:
      1. SIDE CONNETION TO A JOIST: 300 LBS
      2. ANCHORS INTO THE DECK: NOT PERMITTED, UNLESS OTHERWISE NOTED.
      3. ALL PIPING WITHIN THE VAULT MUST BE SUPPORTED FROM THE STRUT FRAMING SYSTEM (PROVIDED BY OTHERS): 300 LBS. PIPES MUST NOT BE SUPPORTED DIRECTLY FROM THE CONRETE SLAB IN THE VAULT.
      4. ALL OTHER CONNECTIONS MUST BE APPROVED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
   b. DEAD LOAD IS THE WEIGHT OF THE WATER-FILLED PIPE.
   c. PROVIDE ADDITIONAL HANGERS OR TRAPEZE HANGERS TO DISTRIBUTE THE LOAD BETWEEN MULTIPLE STRUCTURAL FRAMING MEMBERS WHERE THE MAXIMUM VERTICAL LOAD IS EXCEEDED.
5. ALL VALVES INCLUDING CONTROL AND TRIM VALVES MUST BE WITHIN 6'-0" AFF UNO.

FIRE SUPPRESSION DESIGN CRITERIA

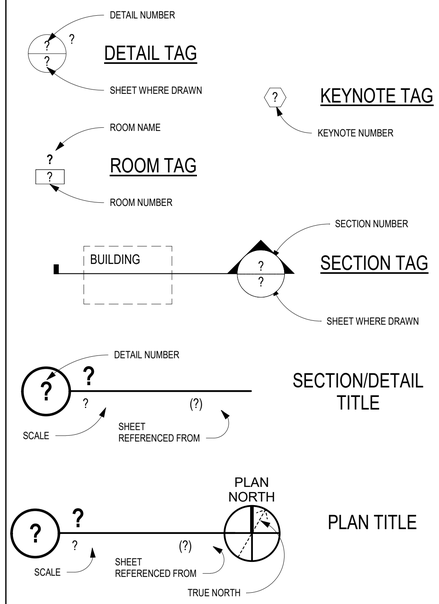
1. SERVE THE FIRE SUPPRESSION SYSTEM FROM THE EXISTING DOMESTIC SYSTEM. PERFORM A HYDRANT FLOW TEST, AND INCORPORATE THIS TEST INTO THE HYDRAULIC CALCULATIONS. HYDRANT FLOW TESTING MUST BE IN ACCORDANCE WITH NFPA 291, AND THE RESULTS OF THE TESTING MUST BE SUBMITTED AS INDICATED ON THE NFPA 291 WATER FLOW TEST REPORT WITH HYDRAULIC GRAPH.

FOR INFORMATION ONLY: FLOW TEST 1

DATE	3/18/2026
TIME	2:00 PM
STATIC	66 PSI
RESIDUAL	58 PSI
FLOW	1,030 GPM

2. ALL COMPONENTS AND ASSEMBLIES USED IN THIS FIRE PROTECTION SYSTEM MUST BE SPECIFICALLY UL LISTED OR FM APPROVED FOR THEIR INTENDED USE.

SYMBOL IDENTIFICATION LEGEND



FIRE SUPPRESSION ABBREVIATIONS

(S)	ELECTRONICALLY SUPERVISED
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN
RN	RISER NIPPLE
SF	SQUARE FEET
UFC	UNITED FACILITIES CRITERIA
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE

CONSTRUCTION INTERFACE



FIRE SUPPRESSION SYSTEM

WET SYSTEM

PIPING SYMBOLS

DRAIN PIPING

SYSTEM PIPING

ELBOW UP OR DOWN

TEE UP OR DOWN

FIRE SUPPRESSION LEGEND

RISER LOCATION

VAULT BOUNDARY

FIRE PROTECTION SPRINKLER SYSTEM DESIGN CRITERIA

MARK	HAZARD CLASSIFICATION	SYSTEM TYPE	DENSITY GPM/SF	REMOTE AREA SQ FT	MAXIMUM AREA PER SPRINKLER SQ FT	HOSE DEMAND GPM	SPRINKLER CHARACTERISTICS				NOTES
							TEMP RATING (°F)	TYPE / FINISH (CEILINGS)	TYPE / FINISH (EXPOSED)	MINIMUM K-FACTOR	
	LIGHT HAZARD (CEILING 30 FT OR LESS AFF)	WET	0.10	1500	225	250	ORDINARY	QUICK RESPONSE CHROME RECESSED PENDENT	QUICK RESPONSE BRASS UPRIGHT	5.6	
	ORDINARY HAZARD (CEILING 30 FT OR LESS AFF)	WET	0.20	2500	130	250	ORDINARY	QUICK RESPONSE CHROME RECESSED PENDENT	QUICK RESPONSE BRASS UPRIGHT	8.0	1

NOTE 1: PROVIDE 200 °F RATED SPRINKLERS IN MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS.

MARK	DATE	DESCRIPTION
0	07/31/2026	ISSUED FOR BID

NAVFAC

PROFESSIONAL ENGINEER HYUNG JIN CHO FP 2264 07/31/2026 FIRE PROTECTION STATE OF CALIFORNIA

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	HJC	DRW	SCD
CHK	JTW		

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
FIRE SUPPRESSION NOTES, LEGEND AND ABBREVIATIONS

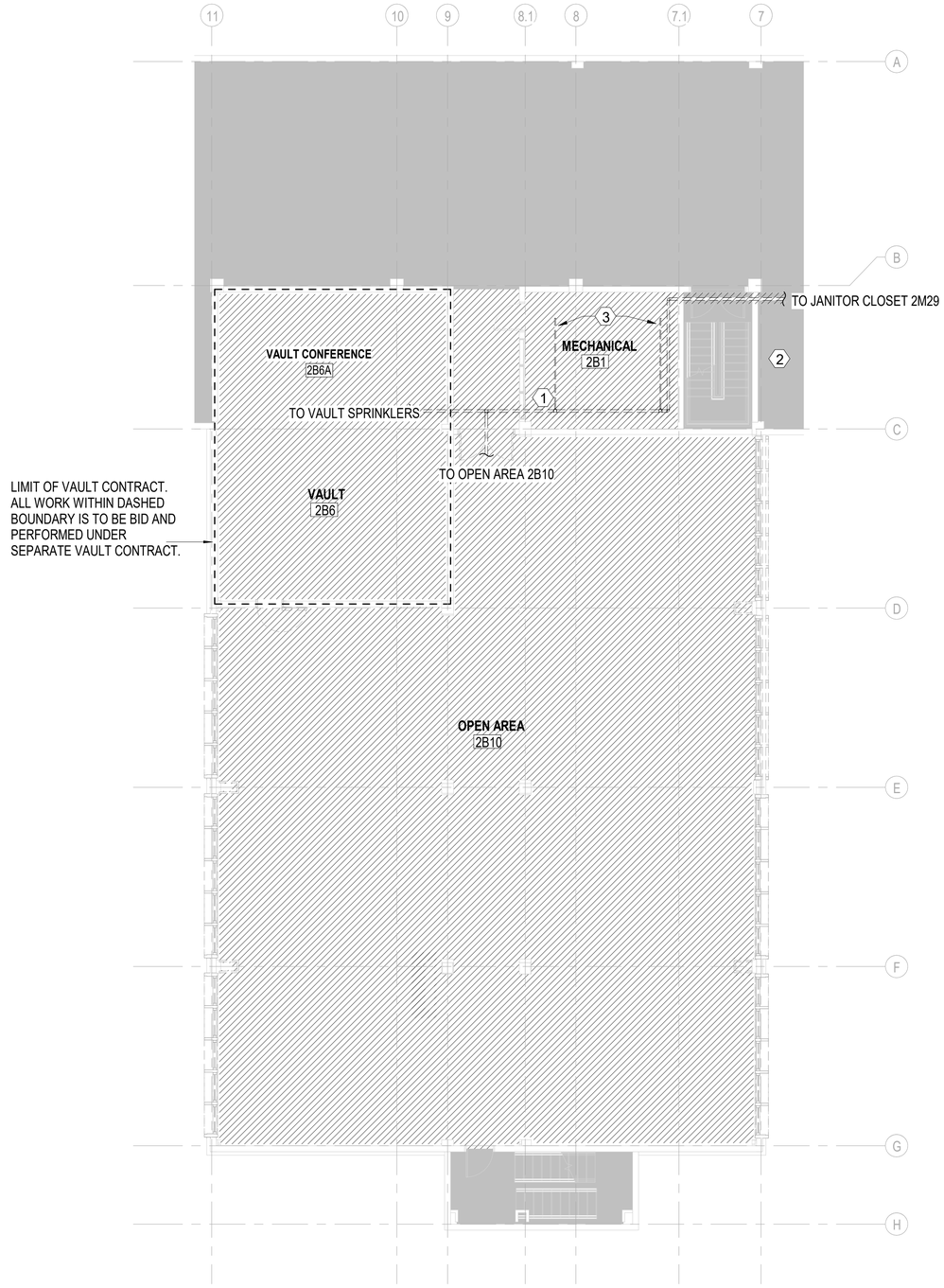
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230842
SHEET	34 OF 98

FX001

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7/28/2026 5:23:06 PM FX001
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A3 SECOND FLOOR FIRE SUPPRESSION DEMOLITION PLAN - AREA B [LV]

SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. VERIFY LOCATIONS OF SPRINKLER SYSTEM COMPONENTS, SUCH AS SPRINKLERS, BRANCHLINES, AND MAINS, PRIOR TO COMMENCEMENT OF WORK.
3. SPRINKLER MAIN LAYOUT AND ROUTING IS CONCEPTUAL. FINAL MAIN ROUTING IS THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR.

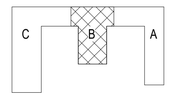
SHEET KEYNOTES

1 DEMOLISH EXISTING 3-INCH MAIN AND HANGERS TO THE RISER IN JANITOR CLOSET 2M29. REFER TO FIRE SUPPRESSION DIAGRAMS ON FX601 FOR MORE DETAILS.
2 DISCONNECT EXISTING SPRINKLERS TO REMAIN IN THE JANITOR CLOSET, CORRIDOR, AND ELEVATOR LOBBY FROM THE 3-INCH MAIN TO BE DEMOLISHED.
3 DEMOLISH BRANCHLINES IN MECHANICAL ROOM 2B1.

FIRE SUPPRESSION DEMOLITION HATCH LEGEND

	REMOVE ALL EXISTING FIRE SUPPRESSION COMPONENTS, INCLUDING BUT NOT LIMITED TO PIPING, VALVES, HOSE VALVES, HANGERS, AND SPRINKLERS UNO.
	NOT IN SCOPE UNO.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

MARK	DESCRIPTION	DATE
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PROFESSIONAL ENGINEER HYUNG JIN CHO FP 2264 07/31/2026 FIRE PROTECTION STATE OF CALIFORNIA

SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

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ACTIVITY

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DES	HJC	DRW	SCD	CHK	JTW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

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SECOND FLOOR FIRE SUPPRESSION DEMOLITION PLAN

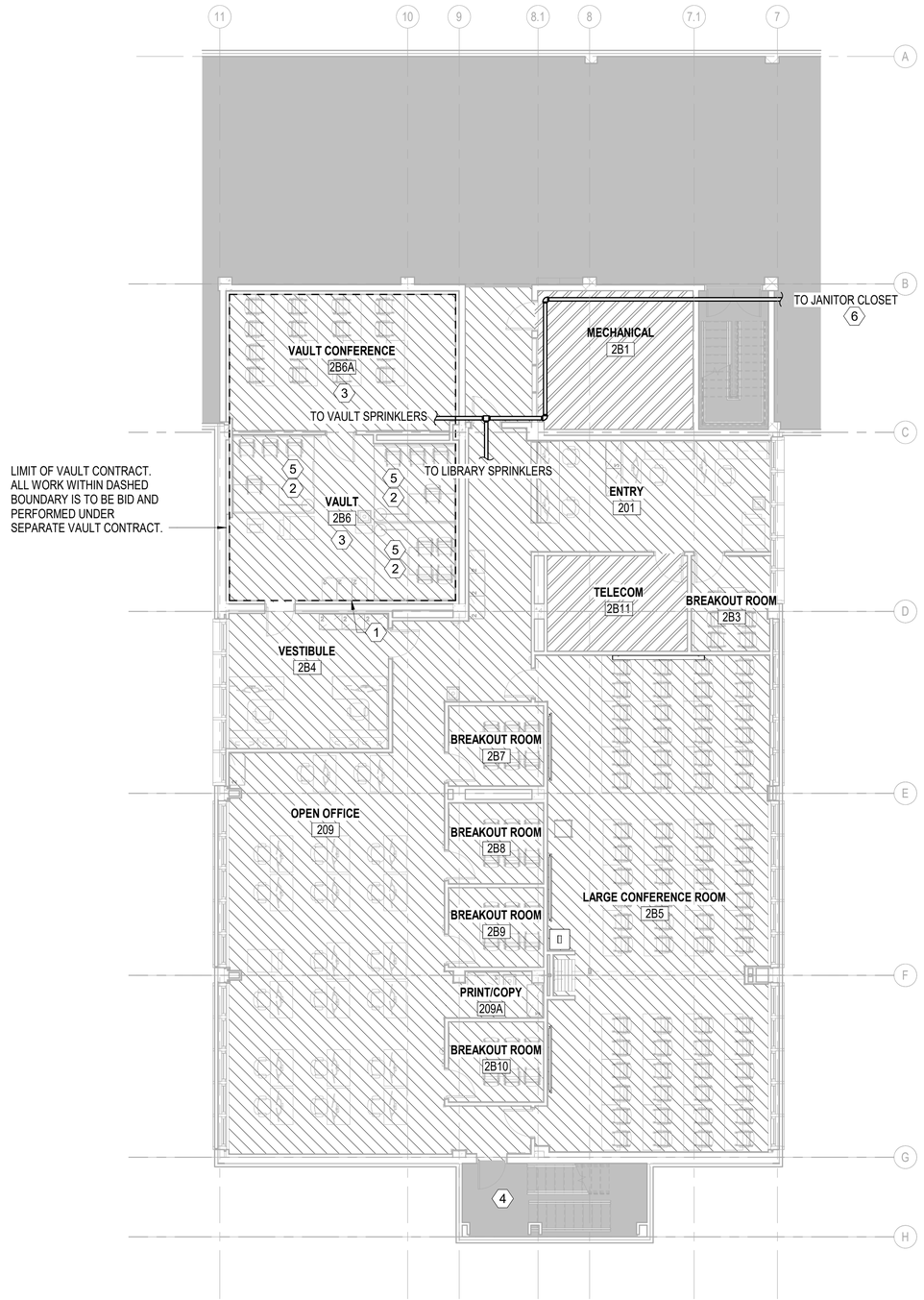
SCALE:	AS NOTED
EPROJECT NO.	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230843
SHEET	35 OF 98

FD102

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A3 SECOND FLOOR FIRE SUPPRESSION PLAN - AREA B [LV]

SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. VERIFY LOCATIONS OF SPRINKLER SYSTEM COMPONENTS, SUCH AS SPRINKLERS, BRANCHLINES, AND MAINS, PRIOR TO COMMENCEMENT OF WORK.
3. SPRINKLER MAIN LAYOUT AND ROUTING IS CONCEPTUAL. FINAL MAIN ROUTING IS THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR.
4. IN AREAS EXPOSED TO CONCRETE SLAB, ALL SPRINKLERS MUST BE POSITIONED 1 INCH TO 6 INCHES BELOW THE BOTTOM OF THE RIB JOINTS AND NO MORE THAN 22 INCHES FROM THE TOP OF THE CHANNELS BETWEEN RIB JOISTS.

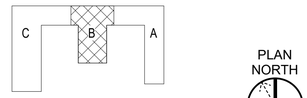
SHEET KEYNOTES

1 MINIMIZE NUMBER OF PENETRATIONS ACROSS VAULT AREA BOUNDARY. REFER TO A-600 SERIES DRAWINGS FOR VAULT BOUNDARY PENETRATION REQUIREMENTS.
2 PROVIDE LIGHT HAZARD SPRINKLER PROTECTION IN THE PODS AND ABOVE THE PODS.
3 ATTACH HANGERS TO THE STRUT FRAMING SYSTEM. DO NOT SUSPEND PIPES AND SUPPORT COMPONENTS DIRECTLY FROM THE CEILING. REFER TO DETAIL A1 ON DRAWING A-603 FOR THE FRAMING SYSTEM DETAIL.
4 RECONNECT STAIRWELL SPRINKLER PIPING TO THE MAIN IN THE LIBRARY.
5 COORDINATE PIPE PENETRATIONS THROUGH PODS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
6 RECONNECT EXISTING ARM-OVER OR BRANCHLINES SERVING JANITOR CLOSET, CORRIDOR, AND ELEVATOR LOBBY TO NEW 4-INCH MAIN.

HAZARD SCHEDULE

MARK	HAZARD CLASSIFICATION
	LIGHT HAZARD (CEILING 30 FT OR LESS AFF)
	ORDINARY HAZARD (CEILING 30 FT OR LESS AFF)
	NOT IN SCOPE UNO

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0"

0' 4' 8' 16'

MARK	DESCRIPTION	DATE
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NAVFAC

PROFESSIONAL ENGINEER HUNG JIN CHO FP 2264 07/31/2026 FIRE PROTECTION STATE OF CALIFORNIA

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FIRE PROTECTION	JPH

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

SECOND FLOOR FIRE SUPPRESSION PLAN

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230844
SHEET	36 OF 98

FX101

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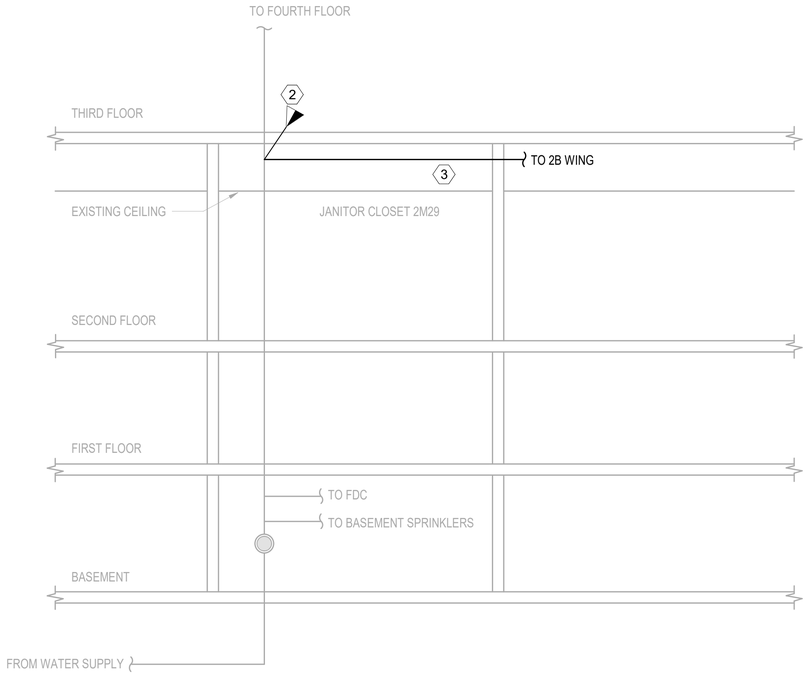
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SHEET NOTES

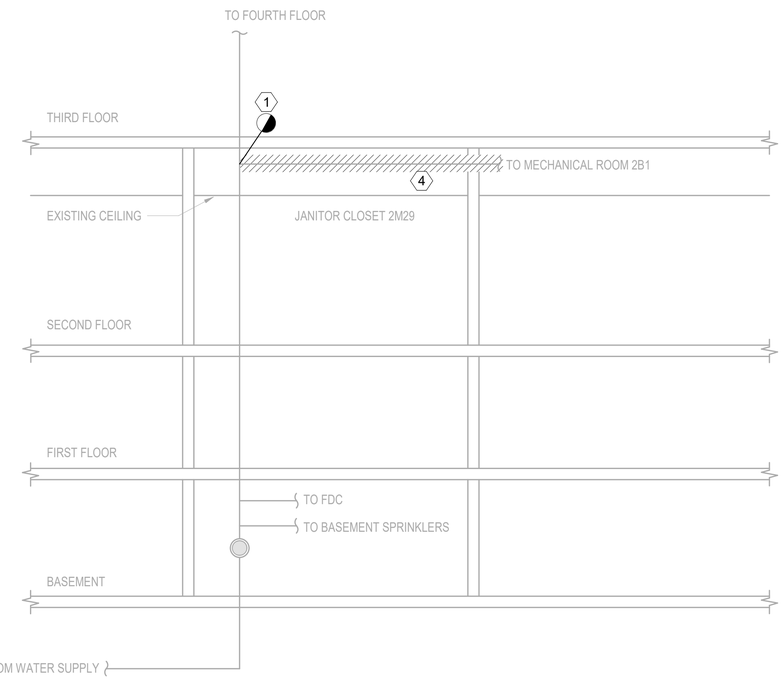
1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

SHEET KEYNOTES

1 DEMOLISH EXISTING 3-INCH MAIN TO THIS POINT.
2 PROVIDE 4-INCH MAIN TO SERVE THE LIBRARY.
3 RECONNECT EXISTING ARM-OVERS OR BRANCHLINES SERVING JANITOR CLOSET, CORRIDOR, AND ELEVATOR LOBBY TO THE 4-INCH MAIN.
4 DISCONNECT EXISTING ARM-OVERS OR BRANCHLINES SERVING JANITOR CLOSET, CORRIDOR, ELEVATOR LOBBY FROM THE EXISTING 3-INCH MAIN.



A1 FIRE SUPPRESSION DIAGRAM - NEW WORK [LV]
SCALE: NTS



A3 FIRE SUPPRESSION DIAGRAM - DEMOLITION [LV]
SCALE: NTS

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

PROFESSIONAL ENGINEER
HYUNG JIN CHO
FP 2264
07/31/2026
FIRE PROTECTION
STATE OF CALIFORNIA
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	HJC	DRW SCD	CHK JTW
PM/DM	OAH/RSJ		
BRANCH MANAGER	NAS		
CHIEF ENG/ARCH	ADV		
FIRE PROTECTION	JPH		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
FIRE SUPPRESSION DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230845
SHEET	37 OF 98

FX601
DRAWFORM REVISION: 14 SEP 2023

7/28/2026 5:23:10 PM FX601
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CUI

PLUMBING LEGEND

- DOMESTIC COLD WATER PIPING (DCW)
- DOMESTIC HOT WATER PIPING (DHW)
- DOMESTIC HOT WATER RETURN PIPING (DHWR)
- G — NATURAL GAS PIPING (G)
- SOIL, WASTE OR SANITARY SEWER PIPING (W)
- RL — RAIN LEADER
- V — VENT PIPING (V)
- DOWNWARD SLOPE
- GATE VALVE (HORIZONTAL AND VERTICAL)
- BALL VALVE
- CHECK VALVE
- TEMPERATURE AND PRESSURE RELIEF VALVE
- UNION
- HOSE BIBB (HB)
- EXTERIOR WALL HYDRANT (WH)
- BACKFLOW PREVENTION ASSEMBLY
- FLOOR DRAIN (FD)
- FLOOR CLEANOUT (FCO)
- WALL CLEANOUT (WCO)
- CLEANOUT TO GRADE (COTG)
- (A) — WATER HAMMER ARRESTOR (PDI SIZE FIXTURE UNIT RATING 1-11)
- VENT THRU ROOF (VTR)
- PIPE TURNING DOWN
- PIPE TURNING UP
- RD — ROOF DRAIN

GENERAL PROJECT SYMBOLS

DETAIL NUMBER / SHEET WHERE DRAWN — DETAIL TAG

ROOM NAME / ROOM NUMBER — ROOM TAG

BUILDING — SECTION NUMBER / SHEET WHERE DRAWN — BUILDING SECTION TAG

SECTION NUMBER / SHEET WHERE DRAWN — WALL / PARTIAL BUILDING SECTION TAG

KEYNOTE NUMBER — KEYNOTE TAG

DETAIL NUMBER / SCALE / SHEET REFERENCED FROM

PLAN NORTH / SCALE / SHEET REFERENCED FROM / TRUE NORTH

PLUMBING ABBREVIATIONS

(D)	TO BE DEMOLSIHED
(E)	EXISTING TO REMAIN
AAV	AIR ADMITTANCE VALVE
ABA	ARCHITECTURAL BARRIERS ACT
AC	ABOVE CEILING
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AG	AIR GAP
AP	ACCESS PANEL
ARCH	ARCHITECTURAL
BF	BELOW FLOOR
BFP	BACKFLOW PREVENTER
BG	BELOW GRADE
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CO	CLEANOUT
COM	COMPRESSOR
CONC	CONCRETE
CPVC	CHLORINATED POLYVINYL CHLORIDE
D	CONDENSATE DRAIN
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DN	DOWN
DT	DRAIN THROUGH
DWG	DRAWING
DWV	DRAINAGE, WASTE, VENT
E	EAST
EA	EACH
EER	ENERGY EFFICIENCY RATIO
EL	ELEVATION
ELB	ELBOW
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FLA	FULL LOAD AMPS
FM	FLOW METER
FR	FROM
FS	FLOOR SINK
FT	FEET
FT WC	FEET OF WATER COLUMN
G	NATURAL GAS
GAL	GALLON
GFCI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HC	HANDICAP ACCESSIBLE
HD	HUB DRAIN, HEAVY DUTY
HP	HORSEPOWER
HR	HOUR
HWCP	HOT WATER CIRCULATING PUMP
HX	HEAT EXCHANGER
HY	HYDRANT
HZ	HERTZ
IAW	IN ACCORDANCE WITH
ICE	ICE MAKER
IN	INCHES
INV	INVERT ELEVATION
IN WC	INCHES OF WATER COLUMN
IMB	ICE MAKER BOX
KS	KITCHEN SINK
KW	KILOWATT
L	LAVATORY
LBS	POUNDS
MAX	MAXIMUM
MBH	1000 BTUH
MIN	MINIMUM
MFR	MANUFACTURER
N	NORTH
NGS	NATURAL GAS SUPPLIER
NIC	NOT IN CONTRACT
NO	NUMBER, NORMALLY OPEN
NTS	NOT TO SCALE
PH	PHASE
PRS	PRESSURE REDUCING STATION
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
RL	ROOF LEADER
RD	ROOF DRAIN
REF	REFRIGERATOR
RM	RADON MITIGATION
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE ASSEMBLY
S	SINK, SOUTH
SAN	SANITARY
SCH	SCHEDULE
SH	SHOWER
SIM	SIMILAR
SS	SERVICE SINK, SANITARY SEWER
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
TPM	TRAP PRIMER MANIFOLD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UR	URINAL
V	VENT
VM	VAPOR MITIGATION
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE, WEST
WC	WATER CLOSET
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR
WS	WASTE STACK
WSHR	WASHING MACHINE
YCO	YARD CLEAN OUT
YH	YARD HYDRANT
°	DEGREE

GENERAL PLUMBING NOTES

1. THE GENERAL PLUMBING NOTES APPLY TO PLUMBING DRAWINGS IN THIS SET.
2. WORK MUST COMPLY WITH EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
3. PROVIDE COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED AND REQUIRED BY CODE.
4. PROVIDE ALL PLUMBING FIXTURE AND EQUIPMENT WITH ACCESSIBLE STOPS.
5. FIELD VERIFY ALL DIMENSIONS.
6. CLEANOUTS MUST BE FULL SIZE OF PIPE.
7. COORDINATE WORK WITH OTHER TRADES. RESOLVE CONFLICTS PRIOR TO WORK. IMMEDIATELY NOTIFY CONTRACTING OFFICER IF AN UNRESOLVABLE CONFLICT IS PRESENT. DO NOT PROCEED WITH WORK UNTIL DIRECTED BY CONTRACTING OFFICER.
8. SLOPES AND INVERT ELEVATIONS OF INTERIOR PIPING MUST BE ESTABLISHED PRIOR TO PIPING WORK. MINIMUM SLOPES MUST BE MAINTAINED THROUGHOUT SYSTEM. ROUTE PIPING TO AVOID CONFLICT WITH OTHER TRADES.
9. COORDINATE WITH ARCHITECTURAL WORKING DRAWINGS PRIOR TO ROUGHING-IN PLUMBING FIXTURES.
10. DESIGN IS SCHEMATIC. NOT ALL COMPONENTS, ELBOWS, TRIM HARWARE, OFFSETS, AND FITTINGS ARE SHOWN. PROVIDE ALL COMPONENTS, ELBOWS, TRIM HARDWARE, OFFSETS, FITTINGS, AND ACCESSORIES FOR A COMPLETE AND OPERABLE SYSTEM.
11. PROVIDE DEEP SEAL TRAPS FOR ALL FLOOR DRAINS.
12. PIPING MUST BE CONCEALED ABOVE CEILING OR IN WALLS OR CHASES UNLESS OTHERWISE NOTED.
13. EXPOSED PIPING MUST BE LOCATED AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. PROVIDE RISES, DROPS AND OFFSETS AS REQUIRED.
14. PROVIDE A FACTORY FABRICATED PIPE LABELS WITH DIRECTION OF FLOW ARROWS, ON THE PIPING, AT 10 FOOT ON CENTER ON THE PIPING MAINS AND 4 FOOT ON CENTER ON THE BRANCH RUNOUTS FROM MAINS.
15. PIPING DEMOLITION MUST REMOVE PIPING, ACCESSORIES, HANGERS, AND ASSOCIATED COMPONENTS BACK TO THE MAINS AND CAPPED. DEAD LEGS ARE NOT ALLOWED.
16. SEE ARCHITECTURAL FOR WORK TO RESTORE WALLS, CEILINGS, AND FINISHES DAMAGED BY DEMOLITION OF PLUMBING.
17. IMMEDIATELY NOTIFY CONTRACTING OFFICER IF A CONFLICT IS IDENTIFIED. DO NOT PROCEED WITH WORK UNTIL DIRECTED BY CONTRACTING OFFICER.
18. PROVIDE COUPLINGS FOR CAST IRON HUB-AND-SPIGOT TYPE WHICH CONFORM TO ASTM A74 AND AWWA C606. PROVIDE COUPLINGS FOR STEEL PIPE WHICH CONFORM WITH AWWA C606. PROVIDE SOLDER MATERIAL WHICH CONFORMS TO ASTM B32 AND SOLDER FLUX WHICH IS LIQUID FORM, NON-CORROSIVE, AND CONFORMS TO ASTM B813, STANDARD TEST 1.

RISER DIAGRAM LEGEND

- CO — CLEANOUT (CO) IN RISER
- WCO — CLEANOUT (WCO) IN WALL
- FCO — CLEANOUT (FCO) IN FLOOR
- VENT THRU ROOF (VTR)
- FLOOR OR WALL PENETRATION
- FLOOR DRAIN/EQUIPMENT DRAIN
- PRESSURE GAUGE
- WHA-A — WATER HAMMER ARRESTOR - SPEC. TYPE
- ISOMETRIC DIRECTION ARROW (UP, W, N, S, E, DN)

CONSTRUCTION INTERFACE

DEMO WORK / EXISTING TO REMAIN

POINT OF DISCONNECTION

POINT OF CONNECTION

WORK / EXISTING TO REMAIN

EXISTING TO REMAIN

DEMO WORK

WORK

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
FELIX Y. ANTWI
Lic. No. 0402051901
07-31-2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	RLS	DRW	RLS
CHK	LLJ		

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION • JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
LEGEND, ABBREVIATIONS AND NOTES

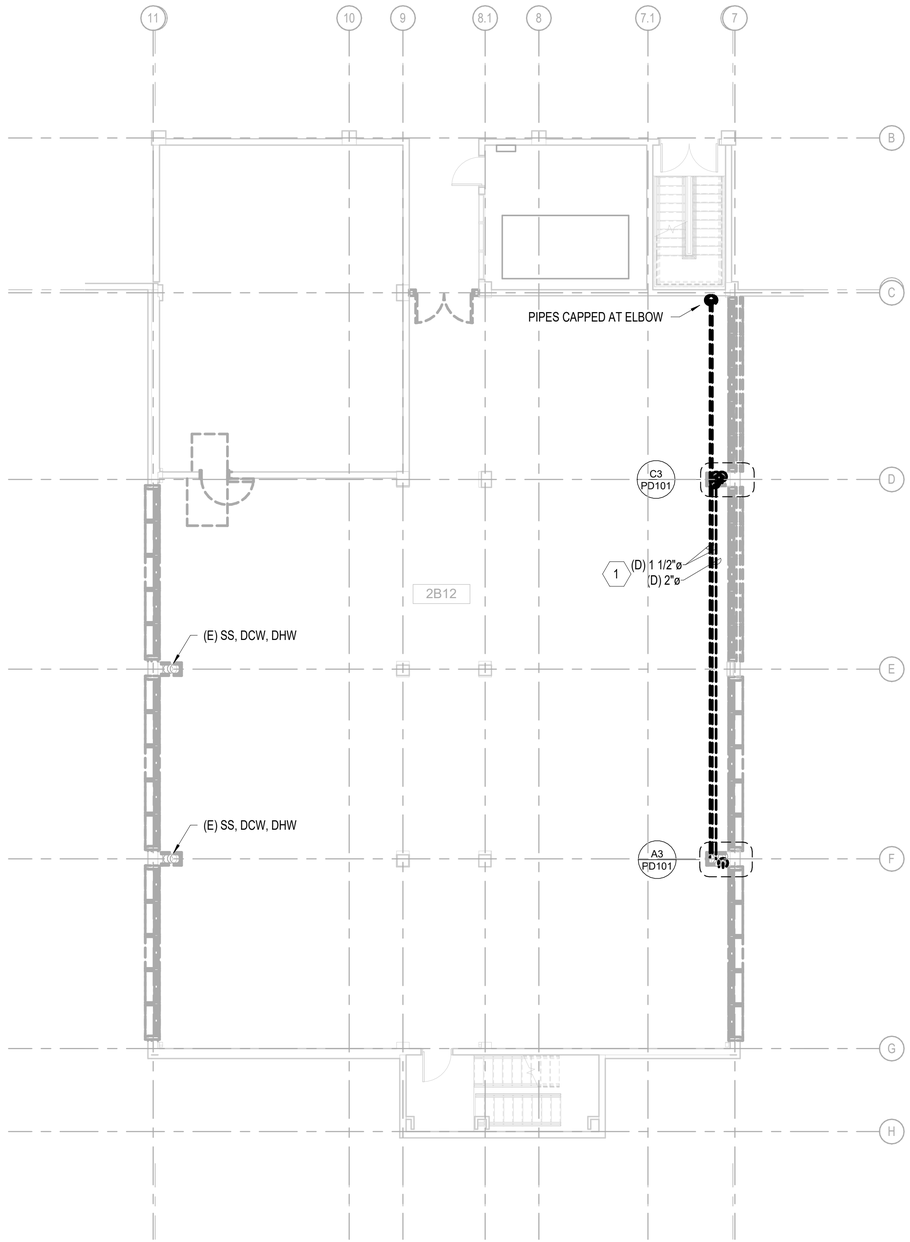
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230846
SHEET	38 OF 98

P-001

DRAWFORM REVISION: 14 SEP 2023

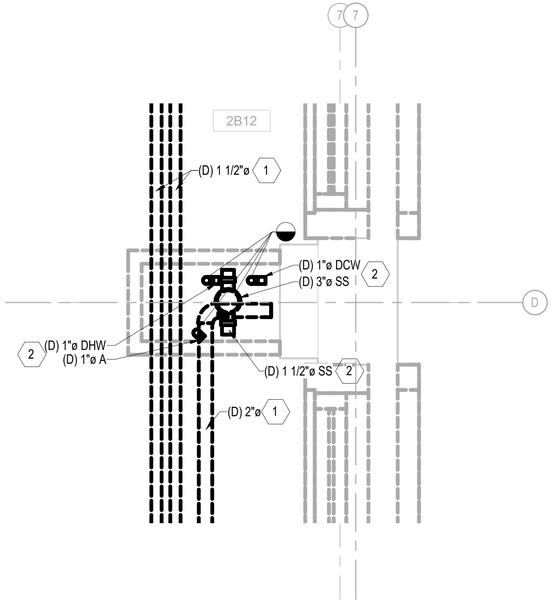
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CUI



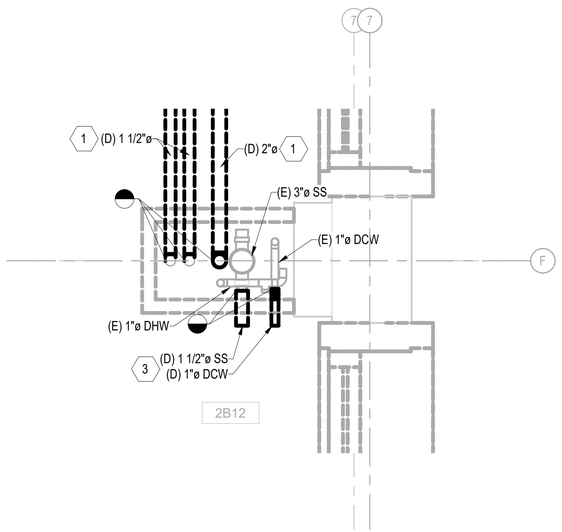
A1 SECOND FLOOR DEMOLITION PLAN - AREA B

SCALE: 1/8" = 1'-0"



C3 NORTHEAST CHASE ENLARGED DEMOLITION PLAN

SCALE: 1" = 1'-0"



A3 SOUTHEAST CHASE ENLARGED DEMOLITION PLAN

SCALE: 1" = 1'-0"

SHEET NOTES

1. REFER TO DRAWING M-001 FOR MECHANICAL LEGEND, ABBREVIATIONS AND NOTES.

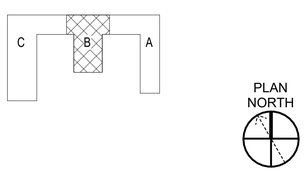
SHEET KEYNOTES

1 DEMOLISH ABANDONED INSULATED 1 1/2" AND UNINSULATED 2" PIPE BACK TO TURN UP TO 3RD FLOOR IN PIPING CHASE. VERIFY SERVICE IS SHUT OFF BEFORE PERFORMING DEMOLITION.

2 DEMOLISH SANITARY, WATER, AND COMPRESSED AIR PIPE TO FLOOR. FIELD VERIFY PIPE SIZES AND QUANTITIES. VERIFY SERVICE IS SHUT OFF BEFORE PERFORMING DEMOLITION.

3 DEMOLISH ABANDONDED SANITARY AND WATER PIPE TO WITHIN CHASE. VERIFY SERVICE IS SHUT OFF BEFORE PERFORMING DEMOLITION.

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
FELIX Y. ANTWI
Lic. No. 0402051901
07-31-2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES RLS | DRW RLS | CHK LLJ

PM/DM OAH/RSJ

BRANCH MANAGER NAS

CHIEF ENG/ARCH ADV

FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

SECOND FLOOR DEMOLITION PLAN - AREA B

SCALE: AS NOTED

EPROJECT NO.: 1799717

CONSTR. CONTR. NO.

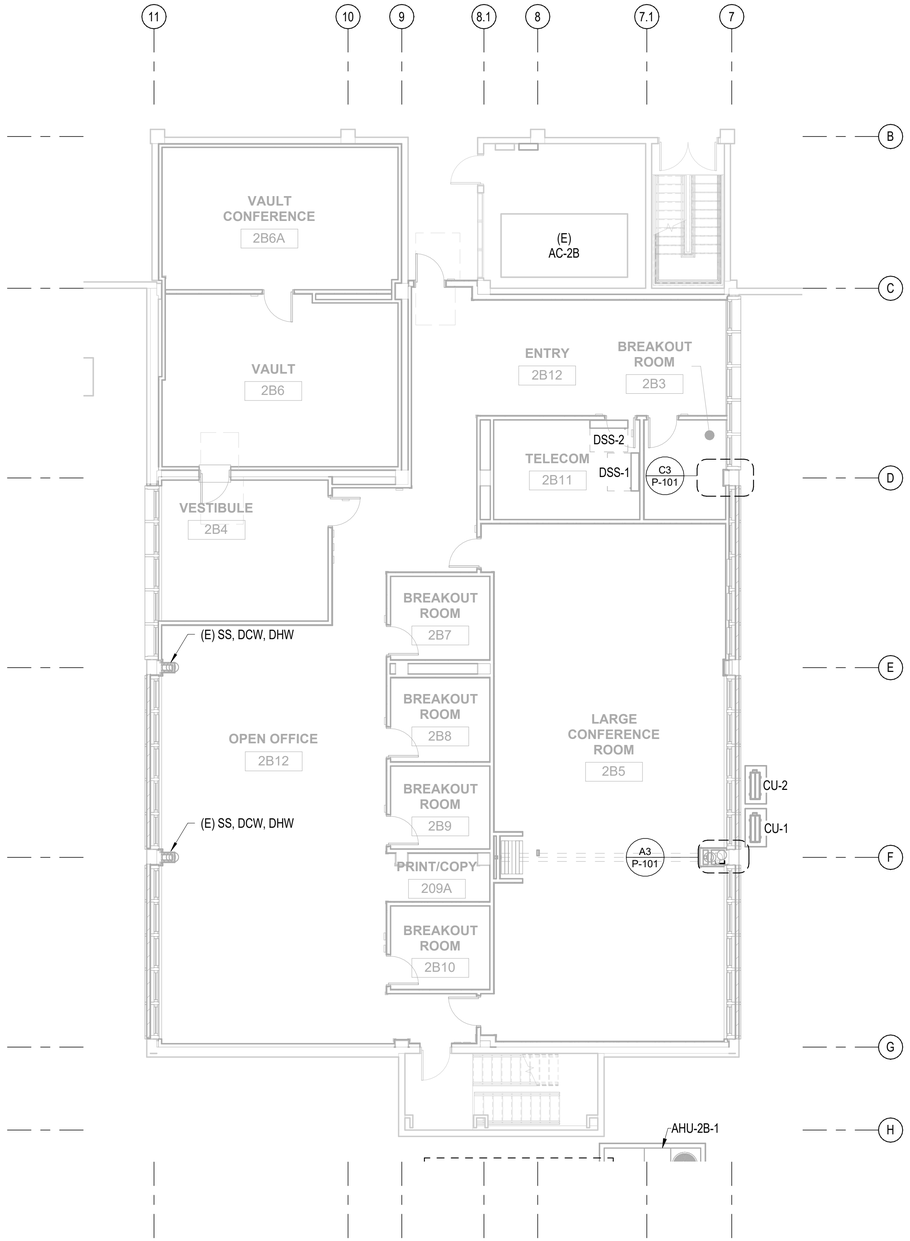
NAVFAC DRAWING NO.
15230847

SHEET 39 OF 98

PD101

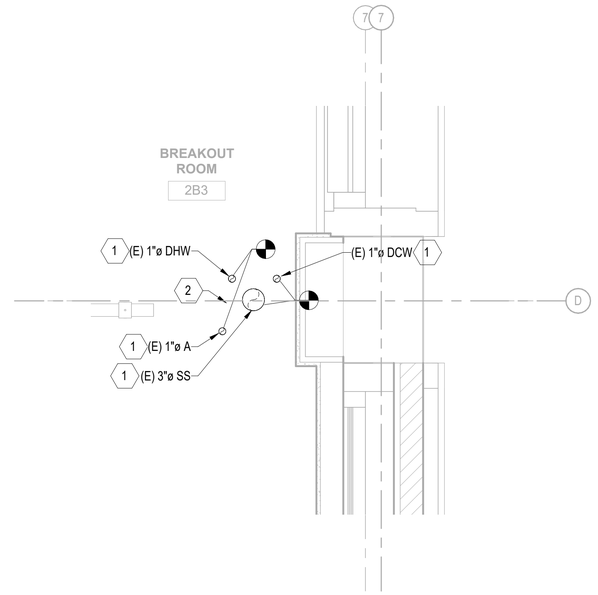
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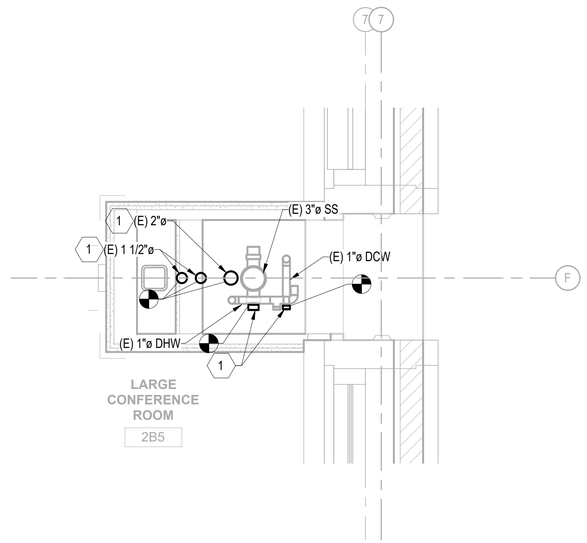
A1 SECOND FLOOR PLAN - AREA B

SCALE: 1/8" = 1'-0"



C3 NORTHEAST CHASE ENLARGED PLAN

SCALE: 1" = 1'-0"



A3 SOUTHEAST CHASE ENLARGED PLAN

SCALE: 1" = 1'-0"

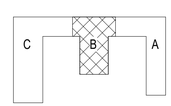
SHEET NOTES

1. REFER TO DRAWING M-001 FOR MECHANICAL LEGEND, ABBREVIATIONS AND NOTES.

SHEET KEYNOTES

1 CAP AND SEAL REMAINING PLUMBING PIPE.
2 PATCH FLOOR OPENING TO MATCH EXISTING CONDITION.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
FELIX Y. ANTWI
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PROFESSIONAL ENGINEER
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CHESAPEAKE, VIRGINIA 23320
A/E INFO

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RLS	DRW	RLS
CHK	LLJ		

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SECOND FLOOR PLAN - AREA B

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230848
SHEET	40 OF 98

P-101

DRAWFORM REVISION: 14 SEP 2023

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CUI

MECHANICAL LEGEND

- THERMOSTAT
- HUMIDITY SENSOR
- ESS — ATFP EMERGENCY SHUTDOWN SWITCH
- 12x10 — RECTANGULAR DUCT DIMENSIONS (INCHES)
- 12"Ø — ROUND DUCT DIMENSION
- FLEXIBLE ROUND DUCT (5'-0" MAX LENGTH)
- DOWNWARD DIRECTION OF SLOPED PIPING
- SUPPLY DUCT DOWN/UP
- RETURN DUCT DOWN/UP
- EXHAUST DUCT DOWN/UP
- BALL VALVE
- RELIEF VALVE
- WYE STRAINER
- STRAINER WITH BLOWDOWN VALVE
- C.O. — CLEAN OUT
- ECCENTRIC REDUCER
- PIPE REDUCER
- UNION
- THERMOMETER
- PIPE CAP
- FLEXIBLE PIPE CONNECTOR
- DP — DIFFERENTIAL PRESSURE SENSOR
- R/D — RISE (R) DROP (D) IN DIRECTION OF FLOW
- FIRE DAMPER
- FIRE /SMOKE DAMPER
- SMOKE DAMPER
- AD — ACCESS DOOR (AD), ACCESS PANEL (AP)
- OPEN/CLOSED CONTROL DAMPER, PARALLEL BLADE, MOTOR OPERATED
- MODULATING CONTROL DAMPER, OPPOSED BLADE, MOTOR OPERATED
- MANUAL BALANCE DAMPER
- BD — BACKDRAFT DAMPER
- AFMS — AIRFLOW MEASURING STATION
- SP — STATIC PRESSURE SENSOR

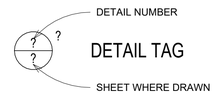
MECHANICAL LEGEND (CONT.)

- CEILING SUPPLY AIR DEVICE
- CEILING RETURN AIR DEVICE
- CEILING EXHAUST AIR DEVICE
- LINEAR SLOT SUPPLY
- LINEAR SLOT RETURN
- SURFACE MOUNTED SUPPLY GRILLE
- SURFACE MOUNTED RETURN/EXHAUST GRILLE

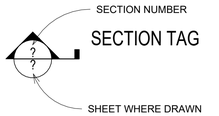
MECHANICAL PIPING LEGEND

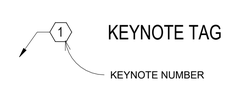
- D — CONDENSATE DRAIN PIPING
- RL — REFRIGERANT LIQUID PIPING
- RS — REFRIGERANT SUCTION PIPING

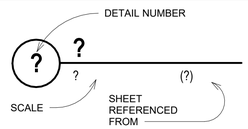
GENERAL PROJECT SYMBOLS

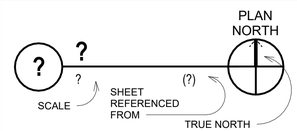




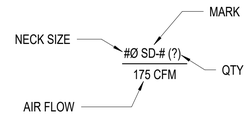




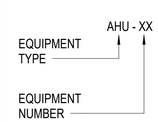




AIR DISTRIBUTION DEVICE IDENTIFICATION



EQUIPMENT IDENTIFICATION



HVAC DESIGN CRITERIA

LOCATION: TYNDALL AFB, FL	LATITUDE:	30.07° N	CLIMATE ZONE 2A
	LONGITUDE:	85.58° W	
STATION ID# ICAO_KNKT	ELEVATION:	17 FT.	

STANDARD OUTDOOR DESIGN CONDITIONS:

WINTER DESIGN DRY BULB (99%):	36°F	1% HR/MCWB DRY BULB	85.0°F
SUMMER DESIGN DRY BULB (1%):	90°F	1% HR/MCWB WET BULB	80.7°F
SUMMER DESIGN WET BULB (1%):	79°F		
CONDENSING UNIT (1% DB + 5°F):	95°F		

ROOM TYPE:	STANDARD INDOOR DESIGN CONDITIONS: SUMMER DESIGN DRY BULB:	SUMMER DESIGN HUMIDITY:	WINTER DESIGN DRY BULB:	WINTER DESIGN HUMIDITY:
TYPICAL SPACES: OFFICES, CONFERENCE, ETC.	72°F, NOTE 3	60% RH, NOTE 1	68°F	NOTE 1
TELECOM ROOM	72°F	60% RH, NOTE 2	68°F	NOTE 2

NOTES:
1. DEHUMIDIFICATION PROVIDED DIRECTLY BY AHU. HUMIDIFICATION WILL NOT BE PROVIDED.
2. DEHUMIDIFICATION PROVIDED INDIRECTLY BY DSS. HUMIDIFICATION WILL NOT BE PROVIDED.
3. USER REQUIRED DESIGN CONDITION.

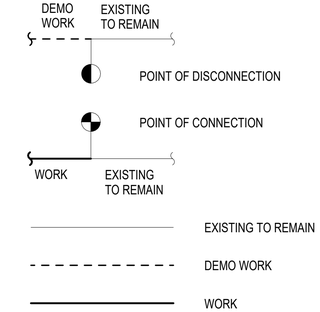
MECHANICAL ABBREVIATIONS

(D)	TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
°	DEGREES
Ø	DIAMETER
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
ATFP	ANTITERRORISM FORCE PROTECTION
BD	BALANCING DAMPER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BTUH	BRITISH THERMAL UNITS PER HOUR
C	COMMON
Cv	LOSS COEFFICIENT
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
D	CONDENSATE DRAIN
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DP	DIFFERNTIAL PRESSURE
DSS	DUCTLESS SPLIT SYSTEM
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICENCY RATIO
EQPT	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
F	FAHRENHEIT
FLA	FULL LOAD AMPERAGE
FPM	FEET PER MINUTE
FT	FEET
FV	FACE VELOCITY
HP	HEAT PUMP, HORSEPOWER
HR	HOUR, HUMIDITY RATIO
HZ	HERTZ
IAW	IN ACCORDANCE WITH
IEER	INTEGRATED ENERGY EFFICIENCY RATIO
IN WG	INCHES WATER GAUGE
kW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LV	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCWB	MEAN COINCIDENT WET BULB
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
N	NORTH
NC	NORMALLY CLOSED, NOISE CRITERIA
NO	NUMBER, NORMALLY OPEN
OA	OUTSIDE AIR
PH	PHASE
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SIM	SIMILAR
SP	STATIC PRESSURE
SQ	SQUARE
TA	TRANSFER AIR
TYP	TYPICAL
UOI	UNLESS OTHERWISE INDICATED
V	VOLTS
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
W	WEST
WB	WET BULB
WPD	WATER PRESSURE DROP

GENERAL MECHANICAL NOTES

1. THESE GENERAL NOTES APPLY TO MECHANICAL DRAWINGS IN THIS SET. SHEET SPECIFIC NOTES ARE INDICATED ON EACH SHEET UNDER GENERAL SHEET NOTES.
2. PATCH HOLES VACATED FROM REMOVAL OF PIPING, DUCTWORK.
3. PROVIDE MATERIALS AND EQUIPMENT AND PERFORM LABOR REQUIRED TO PROVIDE COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED AND REQUIRED BY CODE.
4. PROVIDE MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AS INDICATED, AND AS REQUIRED BY CODE. WHERE THE ABOVE REQUIREMENTS ARE IN CONFLICT, PROVIDE THE MOST STRINGENT.
5. PROVIDE VIBRATION ISOLATORS FOR MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE.
6. PROVIDE ACCESS PANELS IN WALLS AND CEILINGS WHERE REQUIRED TO SERVE FIRE DAMPERS, VALVES, SMOKE DETECTORS, AND OTHER CONCEALED MECHANICAL EQUIPMENT THAT REQUIRES ROUTINE MAINTENANCE. ACCESS PANELS MUST BE LARGE ENOUGH TO ALLOW PROPER CLEARANCE FOR ACCESS DOORS.
7. OPENINGS IN FIRE WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., MUST BE FIRE STOPPED.
8. EXISTING DUCT AND PIPING SIZES INDICATED ARE APPROXIMATE. FIELD VERIFY DIMENSIONS.
9. 90 DEGREE MITERED DUCT ELBOWS IN THE SUPPLY AND RETURN DUCT MUST HAVE TURNING VANES. DO NOT PROVIDE TURNING VANES IN TRANSFER AIR BOOT.
10. PROVIDE PIPE SLEEVES FOR PIPING PENETRATIONS THROUGH WALLS AND FLOORS. EACH PIPE MUST BE SEPARATELY SLEEVED. PROVIDE CONTINUOUS SEALANT JOINT AROUND PIPE SLEEVE, BOTH SIDES OF WALL, WATERTIGHT.
11. PROVIDE P-TRAPS IN CONDENSATE DRAIN PIPING AT EACH AHU UNLESS THE AHU IS EQUIPPED WITH AN INTERNAL TRAP.
12. PIPE RUNOUTS MUST BE SIZED AS INDICATED ON EQUIPMENT SCHEDULES.
13. DUCT RUNOUT SIZE TO DIFFUSER, REGISTER, OR GRILLE MUST BE THE SAME AS NECK SIZE UNLESS OTHERWISE INDICATED.
14. MOUNT THERMOSTATS, HUMIDISTATS, AND EMERGENCY SHUTOFF SWITCHES 48 INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF LIGHT SWITCHES AND COORDINATE.
15. SLOPE CONDENSATE PIPING 1/8 INCH PER FOOT DOWNWARD IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH CHANGE IN DIRECTION GREATER THAN 45 DEGREES OR ONCE EVERY 45 FEET OF LINEAR PIPE LENGTH. UTILIZE COMBINATION WYE AND 1/8 BENDS IN LIEU OF TEES.
16. PROVIDE LOUVER PLENUMS WITH MINIMUM 1/4 INCH PER FOOT SLOPE DOWNWARDS TOWARDS EXTERIOR FOR DRAINAGE.
17. SEAL UNUSED PORTIONS OF LOUVERS WITH INSULATED METAL BLANK-OFF PANELS.
18. MECHANICAL DRAWINGS ARE SCHEMATIC IN NATURE AND MAY NOT SHOW EVERY OFFSET, FITTING, AND CONNECTION NECESSARY FOR A COMPLETE INSTALLATION. PROVIDE ADDITIONAL OFFSETS, FITTINGS, AND CONNECTIONS REQUIRED FOR COMPLETE AND OPERABLE SYSTEM.
19. VERIFY AND COORDINATE INSTALLATION OF MECHANICAL SYSTEMS WITH OTHER TRADES PRIOR TO BEGINNING WORK. WORK MUST PROVIDE ACCESS FOR MAINTENANCE WITHOUT REQUIRING REMOVAL OR DISASSEMBLY OF ADJACENT SYSTEMS.

CONSTRUCTION INTERFACE



MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
FELIX Y. ANTWI
Lic. No. 0402051901
07-31-2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	RLS	DRW	RLS	CHK	LLJ

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

LEGEND, ABBREVIATIONS AND NOTES

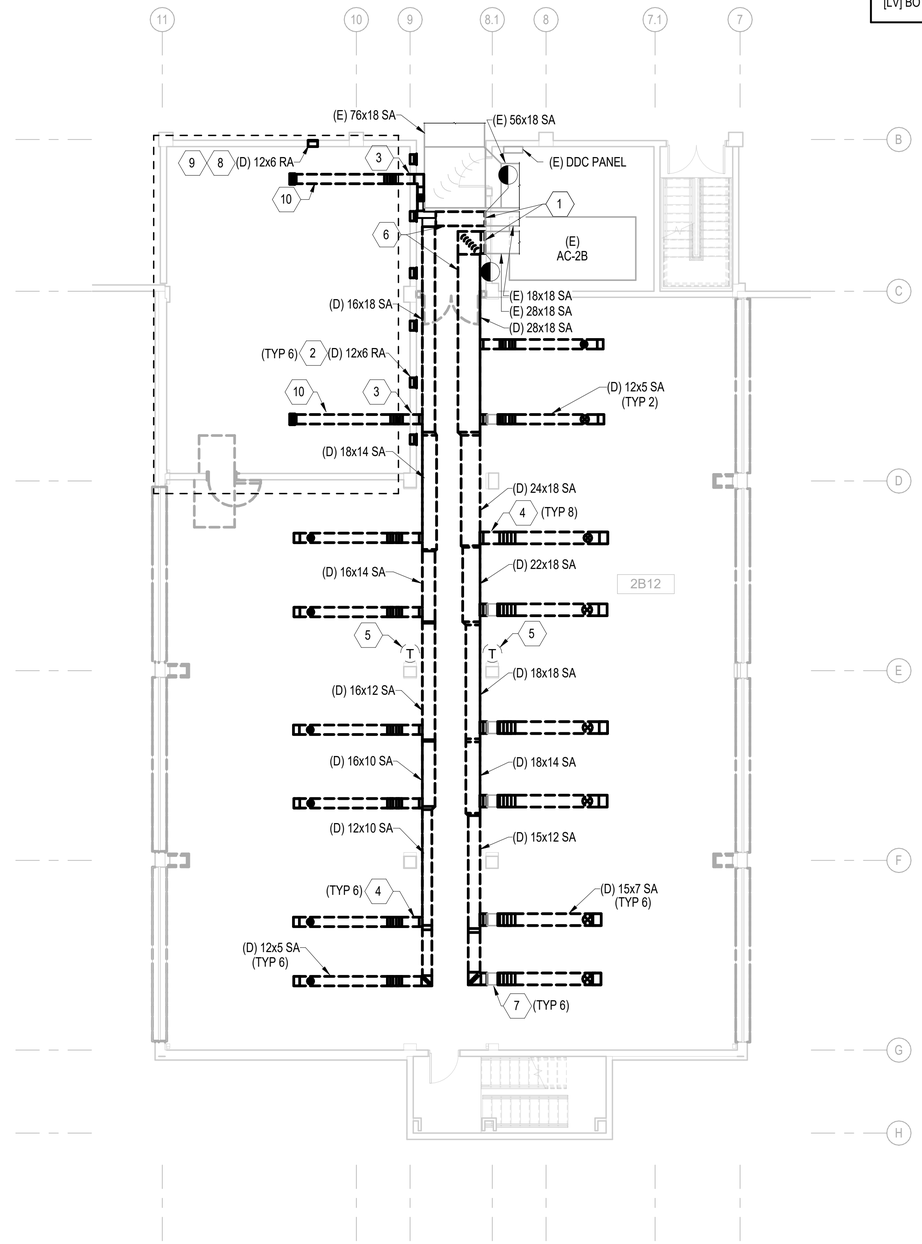
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230849
SHEET	41 OF 98

M-001

DRAWFORM REVISION: 14 SEP 2023

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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A2 SECOND FLOOR DEMOLITION PLAN - AREA B [LV]

SCALE: 1/8" = 1'-0"

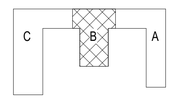
SHEET NOTES

1. REFER TO DRAWING M-001 FOR MECHANICAL LEGEND, ABBREVIATIONS AND NOTES.

SHEET KEYNOTES

1 DEMOLISH EXISTING DUCTWORK TO INDICATED POINT. OPENING IN REMAINING DUCT TO BE RETAINED FOR RECONNECTION TO DUCT.
2 DEMOLISH EXISTING RETURN AIR GRILLES IN WALL.
3 DEMOLISH EXISTING DUCT THROUGH WALL.
4 DUCT PASSES THROUGH EXISTING STRUCTURAL BEAM. DO NOT ENLARGE OR MODIFY OPENING IN BEAM DURING DUCT DEMOLITION.
5 EXISTING THERMOSTAT CONNECTED TO (E) AC-2B. DOCUMENT AS-FOUND CONDITION PRIOR TO DEMOLITION. DEMOLISH CONTROL WIRING BETWEEN THERMOSTAT AND AHU. REMOVE THERMOSTAT AND RETAIN FOR REINSTALLATION.
6 EXISTING DUCT SMOKE DETECTOR TO BE REMOVED BY FIRE ALARM CONTRACTOR. REFER TO FIRE ALARM PLANS.
7 ABANDON SECTION OF DUCT WITHIN BEAM PENETRATION WHERE PENETRATION WILL NOT BE REUSED.
8 [L] DEMOLISH EXISTING RETURN GRILLE.
9 [V] DEMOLISH GRILLE IN WALL AS PART OF VAULT CONTRACT DEMOLITION.
10 [L] DEMOLISH ALL SUPPLY DUCT WITHIN VAULT AS PART OF LIBRARY CONTRACTY DEMOLITION.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

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NAVFAC

COMMONWEALTH OF VIRGINIA
FELIX Y. ANTWI
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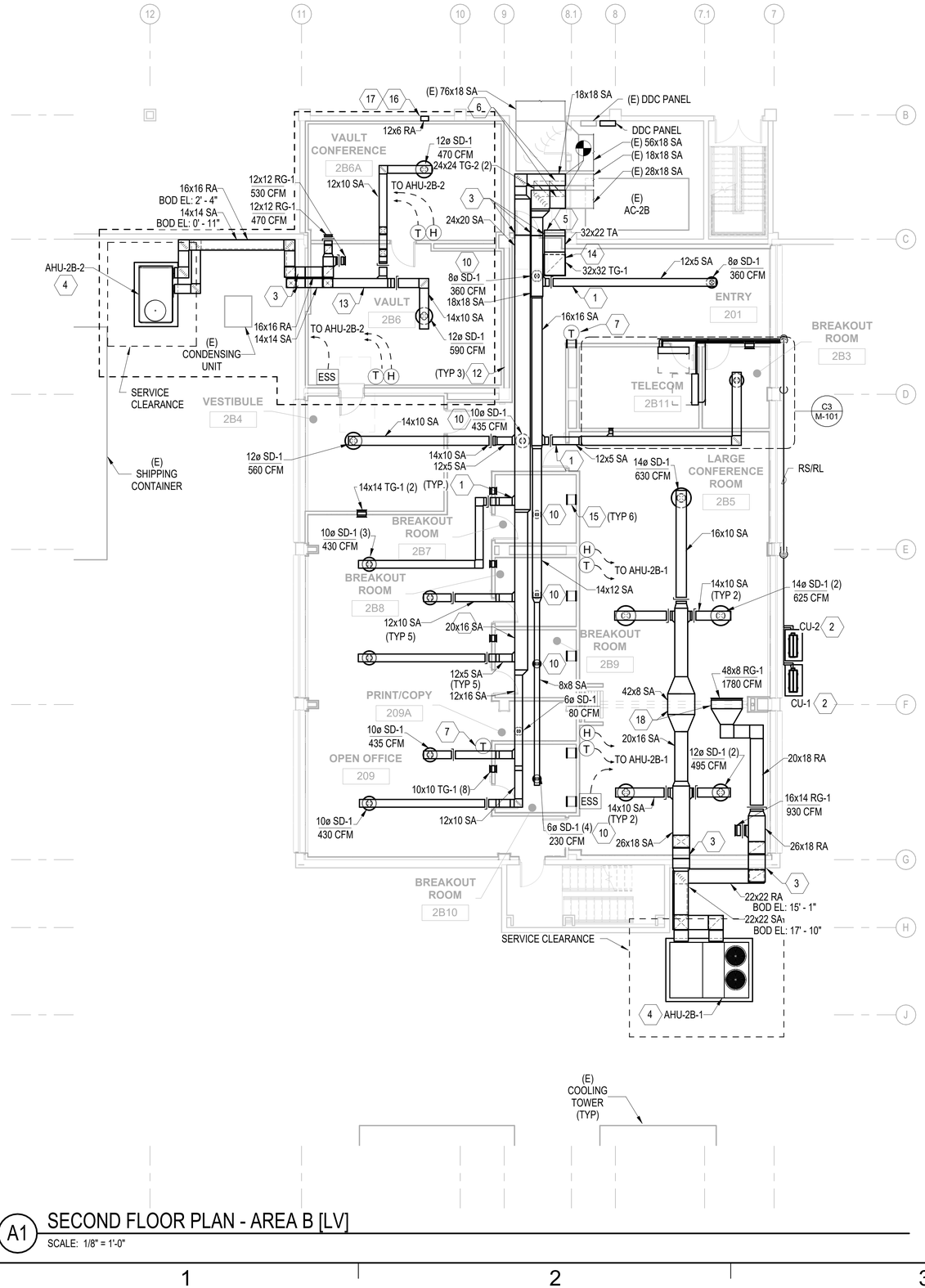
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SECOND FLOOR DEMOLITION PLAN - AREA B

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230850
SHEET 42 OF 98

MD101

DRAWFORM REVISION: 14 SEP 2023

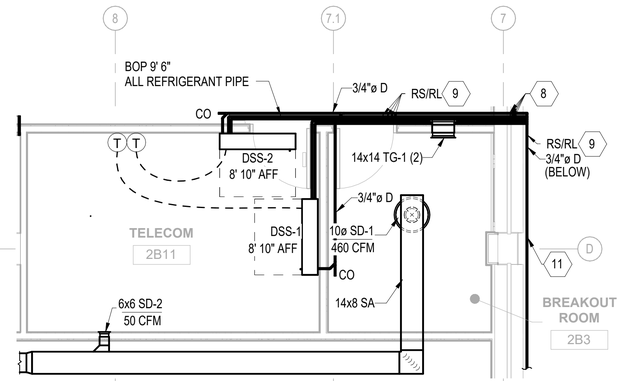
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A1 SECOND FLOOR PLAN - AREA B [LV]

SCALE: 1/8" = 1'-0"

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C3 TELECOM ROOM ENLARGED PLAN - AREA B [L]

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

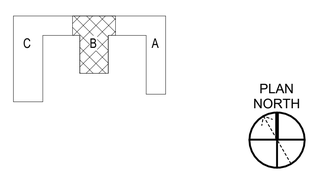
SHEET NOTES

1. REFER TO DRAWING M-001 FOR MECHANICAL LEGEND, ABBREVIATIONS AND NOTES.

SHEET KEYNOTES

1 REUSE EXISTING PENETRATION IN BEAM. DO NOT ENLARGE OR MODIFY EXISTING OPENING.
2 OUTDOOR CONDENSING UNIT ON GRADE. MAINTAIN UNIT CLEARANCES PER MANUFACTURER REQUIREMENTS. PROVIDE CONCRETE PAD FOR MECHANICAL EQUIPMENT IAW A4/M-501. SEE STRUCTURAL SPECIFICATIONS FOR DETAILS.
3 PROVIDE DUCT PENETRATION IN ACCORDANCE WITH DETAIL C1/A-503 AND C3/A-503.
4 OUTDOOR PACKAGED AHU ON GRADE. PROVIDE CONCRETE PAD FOR MECHANICAL EQUIPMENT IAW A4/M-501. SEE STRUCTURAL SPECIFICATIONS FOR DETAILS.
5 PROVIDE WIRE MESH SCREEN AFFIXED TO DUCT OPENING.
6 LOCATION OF DUCT SMOKE DETECTOR TO BE PROVIDED BY FIRE ALARM CONTRACTOR. REFER TO FIRE ALARM PLANS.
7 REINSTALL ZONE THERMOSTAT IAW 23 09 13 AND PROVIDE CONTROL WIRING TO CONNECT TO EXISTING AC-2B CONTROLLER LOCATED IN MECHANICAL ROOM. CONFIRM OPERATION OF THERMOSTAT WITH EXISTING AHU CONTROL SEQUENCES.
8 PROVIDE PIPE PENETRATION IAW DETAIL A2/A-503, A3/A-503, AND B3/A-503. PROVIDE PIPE PENETRATION FEATURES IAW A4/M-502 FOR REFRIGERANT PIPE.
9 SIZE REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ROUTE EXTERIOR PIPE ALONG WALL.
10 PROVIDE BALANCING DAMPER IN VERTICAL DUCT.
11 DISCHARGE CONDENSATE DRAIN FROM DSS-1 AND DSS-2 TO GRADE AT THIS LOCATION. TERMINATE 6" ABOVE GRADE.
12 PATCH OPENINGS IN WALL VACATED BY DEMOLISHED DUCT OR GRILLE TO MATCH SURROUNDING CONDITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR PATCH REQUIREMENTS.
13 SUPPORT DUCT WITHIN VAULT FROM STRUT FRAMING SYSTEM BELOW RF SHIELDING. SEE A1/A-603 FOR FRAMING SYSTEM DETAILS. TYP ALL DUCT WITHIN VAULT.
14 TRANSFER AIR BOOT IN ACCORDANCE WITH DETAIL B4/M-502.
15 CAP ABANDONED DUCT AT BEAM.
16 [L] PROVIDE12"x6" GRILLE IAW SPECIFICATION SECTION 23 30 00 2.10.4.3.
17 [V] PATCH OPENINGS IN WALL VACATED BY DEMOLISHED GRILLE TO MATCH SURROUNDING CONDITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR PATCH REQUIREMENTS.
18 COORDINATE ELEVATION AND DIMENSION OF DUCT WITH SPACE ABOVE OPERABLE PARTITION SYSTEM. ROUTE DUCT TIGHT TO STRUCTURE ABOVE.

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

1/4" =1'-0" 0' 2' 4' 8'

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DEPARTMENT OF THE NAVY
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NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SECOND FLOOR PLAN - AREA B

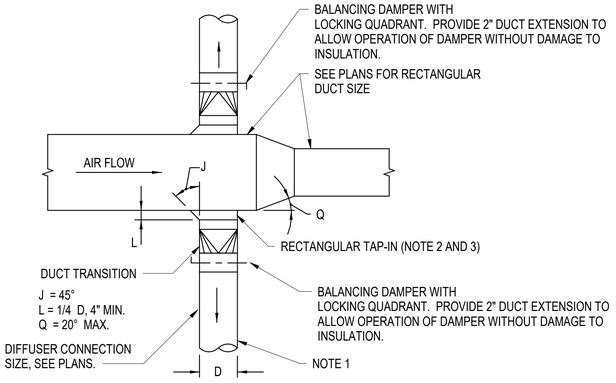
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CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230851
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M-101

DRAWFORM REVISION: 14 SEP 2023

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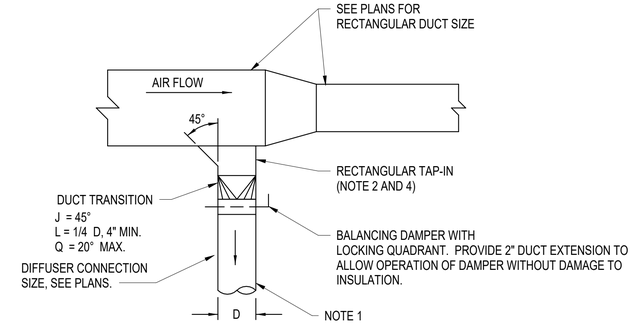
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



NOTES:

1. TAKEOFF ON BOTH SIDES OR SINGLE SIDE AS REQUIRED BY PLANS.
2. CLINCH LOCK CONNECTION TO DUCT MUST HAVE CORNER SEALS (SEE SMACNA MANUAL).
3. EXTRACTORS, SCOOPS, DEFLECTORS OR DAMPERS THAT PROTRUDE INTO THE MAIN DUCT MUST NOT BE USED. BALANCING DAMPERS MUST BE LOCATED TO PREVENT PROTRUSION INTO THE MAIN DUCT AND TO PROVIDE STABLE AIR FLOW AND MINIMAL NOISE WHEN ADJUSTED.

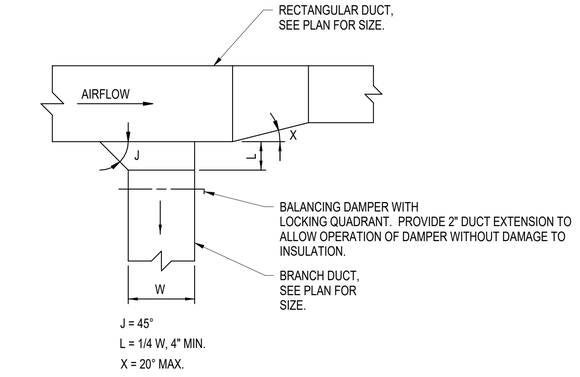
B1 RECTANGULAR DUCT WITH 2 DIFFUSER TAKE-OFFS [LV]
NOT TO SCALE



NOTES:

1. TAKEOFF ON BOTH SIDES OR SINGLE SIDE AS REQUIRED BY PLANS.
2. TAP-IN MAY BE RECTANGULAR OR ROUND. SEE SMACNA MANUAL FOR DETAILS.
3. WHEN FITTING HAS ONLY ONE SIDE SLOPED FOR A SINGLE SIDE TAKE-OFF, THE TAP-IN MUST BE INSTALLED IN SLOPED SIDE.
4. CLINCH LOCK CONNECTION TO DUCT MUST HAVE CORNER SEALS (SEE SMACNA MANUAL).

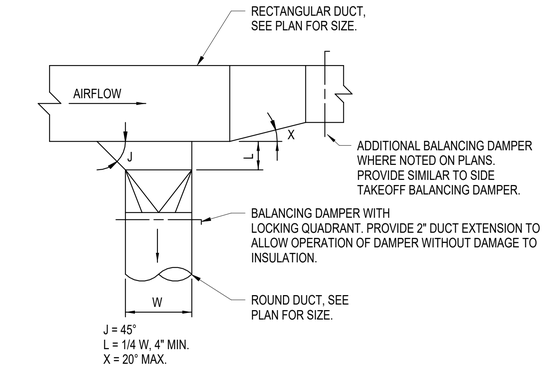
B2 DIFFUSER TAKE-OFF [LV]
NOT TO SCALE



NOTES:

1. TAKEOFF ON BOTH SIDES OR SINGLE SIDE AS REQUIRED BY PLANS.
2. SEE SMACNA MANUAL FOR TAP-IN DETAILS.
3. WHEN FITTING HAS ONLY ONE SIDE SLOPED FOR A SINGLE SIDE TAKE-OFF, THE TAP-IN MUST BE INSTALLED IN SLOPED SIDE.
4. CLINCH LOCK CONNECTION TO DUCT MUST HAVE CORNER SEALS. (SEE SMACNA MANUAL).
5. EXTRACTORS, SCOOPS, DEFLECTORS OR DAMPERS THAT PROTRUDE INTO THE MAIN DUCT MUST NOT BE USED. BALANCING DAMPERS MUST BE LOCATED TO PREVENT PROTRUSION INTO THE MAIN DUCT AND TO PROVIDE STABLE AIR FLOW AND MINIMAL NOISE WHEN ADJUSTED.

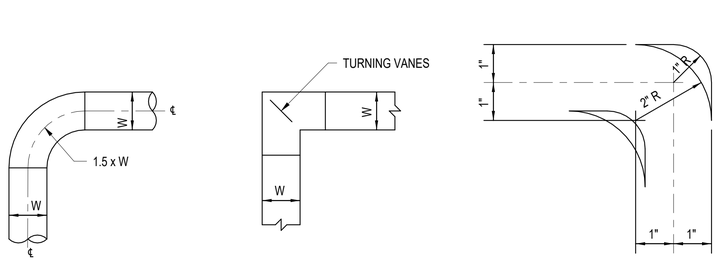
B4 RECTANGULAR BRANCH DUCT TAKE-OFF [LV]
NOT TO SCALE



NOTES:

1. TAKEOFF ON BOTH SIDES OR SINGLE SIDE AS REQUIRED BY PLANS.
2. SEE SMACNA MANUAL FOR TAP-IN DETAILS.
3. WHEN FITTING HAS ONLY ONE SIDE SLOPED FOR A SINGLE SIDE TAKE-OFF, THE TAP-IN MUST BE INSTALLED IN SLOPED SIDE.
4. CLINCH LOCK CONNECTION TO DUCT MUST HAVE CORNER SEALS. (SEE SMACNA MANUAL)

A1 ROUND BRANCH DUCT TAKE-OFF [LV]
NOT TO SCALE



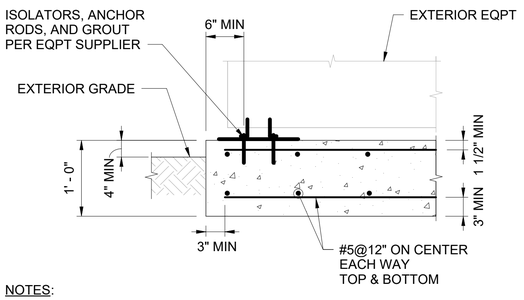
NOTE:

1. USE THIS DESIGN WHERE SQUARE 90°ELBOWS ARE SHOWN ON DRAWINGS OR IF SPACE DOES NOT PERMIT ROUND 90° ELBOWS.



A2 LOW VELOCITY DUCT LAYOUT [LV]
NOT TO SCALE

ATTACH MECHANICAL EQUIPMENT TO PAD TO WITHSTAND DESIGN WIND LOADINGS LISTED BELOW. PROVIDE ANCHOR DESIGN BY LICENSED STRUCTURAL ENGINEER.
BASIC WIND SPEED, V: 141 MPH
RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C



NOTES:

1. PROVIDE AS INDICATED FOR EXTERIOR EQUIPMENT.
2. PROVIDE STANDARD TYPE V OR TYPE VII EQUIPMENT ANCHOR RODS, UNLESS OTHERWISE RECOMMENDED BY EQUIPMENT MANUFACTURER.
3. GROUT EQUIPMENT IN PLACE WITH NON-SHRINK GROUT, UNLESS OTHERWISE RECOMMENDED BY EQUIPMENT MANUFACTURER.

A4 EQUIPMENT FOUNDATION [LV]
NOT TO SCALE

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BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

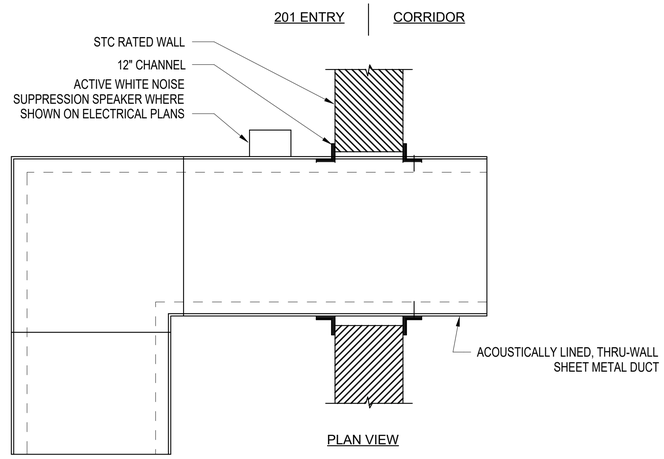
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
MECHANICAL DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230852
SHEET	44 OF 98

M-501

DRAWFORM REVISION: 14 SEP 2023

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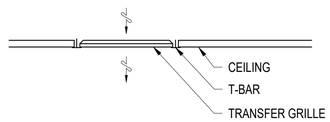


PLAN VIEW

NOTE:

1. PROVIDE CLASS 2 SOUND ATTENUATED DUCTWORK ON EACH SIDE OF WALL. CONSTRUCTION MUST BE 18 GA GALVANIZED STEEL CASING WITH 24 GA PERFORATED INNER LINER IN ACCORDANCE WITH SPECIFICATION 23 07 00. WHERE FIBERGLASS LINING IS USED, ENCAPSULATE LINING WITH MYLAR FILM.
2. PROVIDE SEAL AROUND DUCT IN ACCORDANCE WITH ICD 705.
3. DO NOT PROVIDE TURNING VANES IN TRANSFER AIR BOOT.

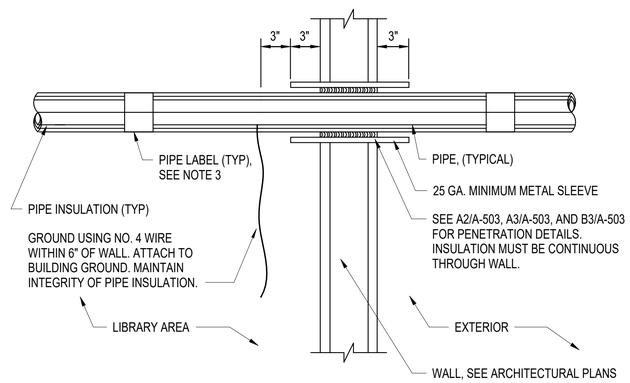
B4 TRANSFER AIR BOOT [L]
NOT TO SCALE



NOTES:

1. PROVIDE FULLY OPEN PERFORATED PANEL TRANSFER GRILLE TO ALLOW AIR MOVEMENT FROM ABOVE CEILING TO CORRIDOR RETURN.

A3 LAY-IN TRANSFER GRILLE [L]
NOT TO SCALE



A4 EXTERIOR WALL REFRIGERANT PIPE PENETRATION DETAIL [L]
NOT TO SCALE

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
FELIX Y. ANTWI
Lic. No. 0402051901
07-31-2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RLS	DRW	RLS	CHK	LLJ

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
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NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
MECHANICAL DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230853
SHEET 45 OF 98

M-502

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7/29/2026 11:13:28 AM M-502
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

DUCTLESS SPLIT SYSTEM (DSS/CU) SCHEDULE[L]

MARK	TYPE	ASSOCIATED OUTDOOR UNIT	REFRIGERANT		FAN DATA	COOLING CAPACITY		HEATING CAPACITY (MBH)	ENTERING AIR		MINIMUM EER	ELECTRICAL DATA				NOTES
			TYPE	CHARGE (LBS)	AIRFLOW (CFM)	SENSIBLE (MBH)	TOTAL (MBH)		DB (°F)	WB (°F)		V/PH/HZ	FLA	MCA	MOCP	
DSS-1	WALL MOUNTED	CU-1	R-32	4.08	600	11.0	11.0	-	72.0	60.1	15.0	208/1/60	14.8	19	30	1,2,3,4,5,6,7
DSS-2	WALL MOUNTED	CU-2	R-32	4.08	600	11.0	11.0	-	72.0	60.1	15.0	208/1/60	14.8	19	30	1,2,3,4,5,6,7

NOTES:

1. POWER CONNECTION TO OUTDOOR CONDENSING UNIT. INDOOR UNIT POWERED VIA OUTDOOR UNIT.
2. CONDENSING UNIT AND INDOOR UNIT MUST BE A MATCHED SET FROM THE SAME MANUFACTURER.
3. CONDENSING UNIT MUST MEET REQUIRED CAPACITY AT AMBIENT TEMPERATURES UP TO 95°F.
4. DISCONNECT SWITCH TO BE PROVIDED BY DIVISION 26.
5. PROVIDE WITH WIRED WALL-MOUNTED CONTROLLER.
6. PROVIDE PRE-INSULATED REFRIGERANT LINESETS SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. PROVIDE OUTDOOR UNIT WITH MINIMUM 3,000 HOUR SALT SPRAY COATING IN ACCORDANCE WITH ASTM B117.
8. UNIT MUST BE LISTED IN ACCORDANCE WITH UL 484 OR UL 60335-2-40.

EXISTING AIR HANDLING UNIT SCHEDULE [L]

MARK	SUPPLY AIR		OUTSIDE AIR		COOLING COIL				NOTES
	EXISTING (CFM)	REBALANCED (CFM)	EXISTING (CFM)	REBALANCED (CFM)	TOTAL CAPACITY (MBH)	LAT (°F DB/WB)	EWT/LWT (°F)	GPM	
(E) AC-2B	11,640	12,040	830	1,030	233.0	55.9/55.1	45/65	23.2	1,2,4
(E) AHU-BB	2,490	2,690	2,490	2,690	240.1	55.0/54.9	45/57.1	39.6	1,2,3,4

NOTES:

1. INFORMATION IS BASED ON EQUIPMENT SUBMITTALS PROVIDED BY UNIT MANUFACTURERS FOR REFERENCE ONLY.
2. PERFORM PRE-TAB (WITH MID-LIFE FILTER LOADING) TO ESTABLISH EXISTING SUPPLY AIRFLOW FROM AC-2B AND AHU-BB, AND OA DELIVERED TO EACH AHU SERVED BY AHU-BB (AC-1B, AC-2B, AC-3B) PRIOR TO COMMENCING WORK AND TO VERIFY COOLING COIL OPERATION. NOTIFY CONTRACTING OFFICER OF VARIANCES FROM SCHEDULED VALUES. REFER TO SPECIFICATION SECTION 23 05 93.
3. REBALANCE UNIT SUPPLY AND OUTSIDE AIR INTAKE (AS APPLICABLE) TO INDICATED VALUES. MAINTAIN AIRFLOWS SUPPLIED TO OTHER ZONES OR UNITS - CONFIRM DURING TAB THAT THESE AIRFLOWS ARE WITHIN TOLERANCE OF VALUES OBTAINED IN PRE-TAB.
4. UNIT MUST MEET SAME COIL LEAVING AIR TEMPERATURE AFTER REBALANCING. ADJUST COOLING COIL FLOW TO MAINTAIN COIL LEAVING AIR CONDITIONS.
5. EXISTING AHU-BB LOCATED IN BASEMENT, SERVES B WING AHUS.

DX AIR HANDLING UNIT (AHU) SCHEDULE [LV]

MARK	CONTRACT	SA CFM		OA CFM	RELIEF CFM	DX COOLING COIL DATA												HEAT PUMP HEAT CAPACITY			HOT GAS REHEAT COIL					ELECTRIC HEATER		ELECTRICAL DATA			NOTES
		MAX	MIN			ESP (IN WC)	FAN (QTY) HP	TOTAL (MBH)	SENSIBLE (MBH)	RA EAT (°F DB)	RA EAT (°F WB)	OA EAT (°F DB)	OA EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	MAX COIL FV (FPM)	REFRIGERANT		MIN IEER/SEER	CAPACITY (MBH)	EAT (°F DB)	LAT (°F DB)	CAPACITY (MBH)	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	TYPE	CAPACITY (KW)	V/PH/HZ	MCA	MOCP	
																	TYPE	CHARGE (LBS)													
AHU-2B-1	[L]	2870	1440	510	350	0.8	(1) 4.2	109.3	66.3	72.7	62.1	85.0	80.7	53.5	53.5	500	R-454B	24.9	16.6	92.7	56.5	84.3	50.6	51.9	51.8	67.3	51.8	RESISTANCE	27	460/3/60	76	80	1,2,3,4,5,6,7,8,9
AHU-2B-2	[V]	1060	590	240	180	0.9	(1) 3.0	44.8	25.2	72.7	62.3	85.0	80.7	53.5	53.5	500	R-454B	13.7	16.2	38.1	55.0	84.4	38.7	49.1	49.1	78.4	60.9	RESISTANCE	12	460/3/60	38	40	1,2,3,4,5,6,7,8,9

NOTES:

1. PROVIDE MERV 13 PLEATED FILTER UPSTREAM OF COILS. SCHEDULED ESP DOES NOT INCLUDE FILTER LOADING. INCLUDE MID-LIFE FILTER PRESSURE DROP (MIN 0.9" WC) IN FAN STATIC PRESSURE.
2. PROVIDE UNIT WITH HOT GAS REHEAT FOR DEHUMIDIFICATION.
3. UNIT MUST MEET REQUIRED CAPACITY AT AMBIENT TEMPERATURES UP TO 95°F.
4. PROVIDE WITH ECM SPEED CONTROL FOR SUPPLY FAN(S). EC MOTORS MUST BE PROVIDED WITH EQUIPMENT TO PREVENT ADDING HARMONICS TO ELECTRICAL SYSTEM (INDUCTOR ETC) AND MUST BE PROGRAMMED TO PREVENT EC MOTOR OVERSPEED.
5. PROVIDE COILS AND CASING WITH MINIMUM 10,000 HOUR SALT SPRAY COATING IN ACCORDANCE WITH ASTM B117.
6. PROVIDE WITH FACTORY MOUNTED REFRIGERANT LEAK DETECTION.
7. PROVIDE WITH INTEGRAL DISCONNECT SWITCH.
8. PROVIDE WITH RELIEF FAN. FAN MUST PROVIDE SCHEDULED RELIEF AIRFLOW WHENEVER THE UNIT OA DAMPER IS OPEN.
9. PROVIDE WITH INTERNAL VIBRATION ISOLATION FOR EACH COMPRESSOR.

DUCT CONSTRUCTION SCHEDULE [LV]

SYSTEM	LOCATION	DESCRIPTION	PRESSURE CLASS (IN WG)	LEAKAGE CLASS		SEAL CLASS	DALT/ QTY	DUCT TEST PRESSURE (IN WC)
				ROUND	RECTANGULAR			
SUPPLY AIR (INTERIOR)	EXPOSED	SINGLE WALL	+ 4.0	3	4	A	YES / 25%	4.0
SUPPLY AIR (EXTERIOR)	EXPOSED	DOUBLE WALL	+ 2.5	4	8	A	YES / 25%	2.5
RETURN AIR (INTERIOR)	EXPOSED	SINGLE WALL	- 2.0	4	8	A	YES / 25%	2.0
RETURN AIR (EXTERIOR)	EXPOSED	DOUBLE WALL	- 2.0	4	8	A	YES / 25%	2.0
TRANSFER AIR BOOT	EXPOSED	DOUBLE WALL (PERFORATED INNER LINER)	+/- 1.0	8	16	A	-	1.0

NOTES:

1. PROVIDE WHITE RIGID BOARD INSULATION ON ALL INTERIOR EXPOSED DUCTWORK. COORDINATE COLOR WITH ARCHITECTURE TO MATCH CEILING.
2. DUCTWORK LOCATED ON BUILDING EXTERIOR MUST HAVE OUTER WALL CONSTRUCTION OF MINIMUM G90 GALVANIZED STEEL WITH MINIMUM 3,000 HOUR SALT SPRAY COATING IAW ASTM B117 OR STAINLESS STEEL.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE [LV]

MARK	TYPE	DESCRIPTION	SERVICE	MOUNTING	FACE SIZE (IN)	NECK SIZE (IN)	MAX NC	MAX SP (IN WG)	NOTES
RG-1	SIDEWALL RETURN GRILLE	FIXED BLADE	RETURN	DUCT MOUNTED	NECK SIZE + 2"	SEE DRAWINGS	30	0.1	1,2,5
SD-1	DIFFUSER	ROUND PLAQUE	SUPPLY	DUCT MOUNTED	VARIES	SEE DRAWINGS	30	0.1	1,2,5
SD-2	SIDEWALL DIFFUSER	FIXED BLADE	SUPPLY	DUCT MOUNTED	NECK SIZE + 2"	SEE DRAWINGS	30	0.1	1,2,4
TG-1	SIDEWALL TRANSFER GRILLE	FIXED BLADE	TRANSFER	DUCT MOUNTED	NECK SIZE + 2"	SEE DRAWINGS	30	0.1	1,2
TG-2	TRANSFER GRILLE	PERFORATED	TRANSFER	LAY-IN	24 X 24	NONE	30	0.1	3

NOTES

1. DEVICE RUNOUTS MUST MATCH NECK SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. PAINT DUCT MOUNTED AIR TERMINALS TO MATCH EXPOSED DUCT AND STRUCTURE ABOVE. WHERE MOUNTED IN WALLS, MATCH WALL FINISH. REFER TO ARCHITECTURAL PLANS AND COORDINATE.
3. PROVIDE PERFORATED TRANSFER PANEL WITHOUT DUCT CONNECTION.
4. PROVIDE WITH FACE-OPERABLE BALANCING DAMPER.
5. PROVIDE MAXIMUM 25 NC DIFFUSERS AND GRILLES IN CONFERENCE ROOMS 2B5 AND 2B6A.

MARK	DATE	DESCRIPTION
0	07/31/2026	ISSUED FOR BID

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

FELIX Y. ANTWI
Lic. No. 0402051901
07-31-2026
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER
SEAL

APPROVED
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ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	RLS	DRW	RLS	CHK	LLJ

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION • JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
MECHANICAL SCHEDULES

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230854
SHEET	46 OF 98

M-601

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LEGEND & SYMBOLS

W-X-Y-Z
##
DEVICE SYMBOL, GENERIC
USED TO REPRESENT SENSORS, INSTRUMENTS SAFETIES, AND OTHER CONTROL DEVICES W-X-Y-Z : (SEE ABBREVIATIONS AND ACRONYMS) GENERIC USAGE TO SHOW LOCATION OF DEVICE; PROCESS OR DEVICE BEING MEASURED OR CONTROLLED; SIGNAL TYPE; MODIFIERS AND OTHER APPLICATION INFORMATION

W-X-Y-Z
##
DEVICE SYMBOL, GENERIC
MULTIPLE OUTPUT DEVICE WHERE AT LEAST 1 OUTPUT IS ALWAYS SAFETY INTERLOCK

W-X-Y-Z
DDC
##
DIR
REV
DEVICE SYMBOL, CONTROLLER
DDC : DIRECT DIGITAL CONTROL
: DEVICE NUMBER
DIR : DIRECT CONTROL ACTION, OR
REV : REVERSE CONTROL ACTION
W-X-Y-Z : (SEE ABBREVIATIONS AND ACRONYMS) GENERIC USAGE TO SHOW LOCATION OF DEVICE; PROCESS OR DEVICE BEING MEASURED OR CONTROLLED; SIGNAL TYPE; MODIFIERS AND OTHER APPLICATION INFORMATION

LDP
##
LOCAL DISPLAY PANEL
= SEQUENTIAL NUMBER
(WHEN MORE THAN 1 LDP)

H
L
P
PRESSURE SWITCH, DIFFERENTIAL, WITH GAGE
H = HIGH PRESSURE TAP
L = LOW PRESSURE TAP
SEE "DEVICE SYMBOL, GENERIC"

RST-BUT
RESET BUTTON FOR SAFETY RESET

SMOKE DETECTOR, DUCT-MOUNTED
SEE "DEVICE SYMBOL, GENERIC"

TEMPERATURE SENSOR, AVERAGING OR
TEMPERATURE LOW LIMIT / FREEZESTAT
SEE "DEVICE SYMBOL, GENERIC"

TEMPERATURE SENSOR, POINT
SEE "DEVICE SYMBOL, GENERIC"

STAT
THERMOSTAT WITH SPECIFIED I/O FUNCTIONS

AFMA
AIR FLOW MEASUREMENT ARRAY, WITH
FLOW TRANSMITTER
SEE "DEVICE SYMBOL, GENERIC"

DX
COIL, DX

HG
RH
COIL, HOT GAS REHEAT

COIL, ELECTRIC HEAT

FAN

FILTER

DAMPER, BALANCING

DAMPER, PARALLEL BLADE
NORMALLY OPEN OR CLOSED

DAMPER, OPPOSED BLADE
NORMALLY OPEN OR CLOSED

BD
DAMPER, BACKDRAFT (GRAVITY)

DP
DIFFERENTIAL PRESSURE SENSOR

BDP
BUILDING DIFFERENTIAL PRESSURE SENSOR

SP
STATIC PRESSURE SENSOR

ACTUATOR, ELECTRIC

PP
POSITIVE POSITIONER
SEE "ACTUATOR, PNEUMATIC"

P
PRESSURE GAGE

T
TEMPERATURE GAGE

M#
MOTOR

MS
MOTOR STARTER

CT
CURRENT TRANSDUCER/SWITCH

FM
FLOW METER

S
MOTOR STARTER

VFD
XX-C
XX-S
XX-SS
VARIABLE FREQUENCY DRIVE
XX = PROCESS/DEVICE BEING CONTROLLED

SS = START/STOP COMMAND
S = STATUS FEEDBACK (ON/OFF)
C = 4-20 mA or VDC SPEED CONTROL SIGNAL

CONTROL SIGNAL LINE, LOW VOLTAGE

ABBREVIATIONS & ACRONYMS

2P	TWO-POSITION (CONTROL SIGNAL)
ADJ	ADJUSTABLE/ADJUSTMENT
AFMA	AIRFLOW MEASUREMENT ARRAY
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
ALM	ALARM
AO	ANALOG OUTPUT
ASD	ADJUSTABLE SPEED DRIVE
AV	ANALOG VALUE
AVE	AVERAGE
BI	BINARY INPUT
BLDG	BUILDING
BO	BINARY OUTPUT
BUT	BUTTON
BUR	BURNER
BV	BINARY VALVE
BYP	BYPASS
C	COMMAND (MODULATING CONTROL SIGNAL)
CAP	CAPACITY
CLD	CLOSED
CLG	COOLING
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
COM	COMMON
COMP	COMPRESSOR
COV	CHANGE OF VALUE
CSR	CURRENT SENSING RELAY
CT	CURRENT TRANSFORMER/SWITCH
D	DAMPER
DA	DISCHARGE AIR
DBD	DEADBAND
DDC	DIRECT DIGITAL CONTROL(LER)
DEC	DECOUPLER
DIFF	DIFFERENCE
DIS	DISABLE
DISP	DISPLAY
DPT	DEW POINT TEMPERATURE
EA	EXHAUST AIR
ECM	ELECTRICALLY COMMUTATED MOTOR
EF	EXHAUST FAN
EFF	EFFECTIVE
EMER	EMERGENCY
ENA	ENABLE
F	FLOW
FACP	FIRE ALARM CONTROL PANEL
F.L.	FAIL IN LAST POSITION
FLT	FILTER
HCP	HEATER CONTROL PANEL
HL	HIGH LIMIT
HGRH	HOT GAS REHEAT
HTG	HEATING
HUM	HUMIDIFIER
IO	INPUT/OUTPUT
ISO	ISOLATION
IR	INFRARED
L	LEVEL
LDP	LOCAL DISPLAY PANEL
LL	LOW LIMIT
LVG	LEAVING
M	MOTOR or MAIN
M&C	MONITORING & CONTROL (SOFTWARE)
MA	MIXED AIR
MINOA	MINIMUM OUTSIDE AIR
MOIST	MOISTURE
MS	MOTOR STARTER
MUW	MAKE-UP WATER
N/A	NOT APPLICABLE
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
OCC	OCCUPIED
OPN	OPEN
OVRD	OVERRIDE
OWS	OPERATOR WORKSTATION
P	PRESSURE
PH	PREHEAT
PHTG	PREHEATING
PID	PROPORTIONAL INTEGRAL DERIVATIVE (CONTROL)
PMP	PUMP
PP	POSITIVE POSITIONER
PR	PRIMARY
PWR	POWER
R	RELAY
RA	RETURN AIR
RE	RELIEF AIR
REF	RELIEF FAN
REQ	REQUIRED
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHTG	REHEATING
RM	ROOM
RQST	REQUEST
RST	RESET
S	STATUS
SA	SUPPLY AIR
SEC	SECONDARY
SF	SUPPLY FAN
SHUTDN	SHUTDOWN
SMK	SMOKE
SO	SHUT-OFF
SP	SETPOINT
SS	START/STOP COMMAND
STAT	THERMOSTAT
SYS	SYSTEM
SCHD	SCHEDULER
T	TEMPERATURE
TRB	TROUBLE
UNOCC	UNOCCUPIED
V	VALVE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VIB	VIBRATION
VP	VACUUM PUMP
WB	WET BULB (TEMPERATURE)
ZN	ZONE

"HVAC CONTROLS" GENERAL NOTES: SHEETS 1-M-700 SERIES

1. THE CONTROL DIAGRAMS AND SCHEMATICS ILLUSTRATE THE FUNCTIONAL REQUIREMENTS AND CONTROL RELATIONSHIPS. ACCESSORIES AND DEVICES MAY NOT BE SHOWN IN DETAIL.
2. REFER TO THE CONTROLS AND CYBERSECURITY SPECIFICATIONS FOR DETAILED REQUIREMENTS.
3. BUILDING CONTROL SYSTEM MUST BE COMPLETELY OPERATIONAL BEFORE BUILDING COMMISSIONING CAN TAKE PLACE.

"POINTS LIST SCHEDULE" GENERAL NOTES: SHEETS 1-M-700 SERIES

1. CELLS WITH "<___>" MUST BE DETERMINED BY THE CONTRACTOR
2. SPACES WHERE NO ENTRY IS REQUIRED CONTAIN " ~ "
3. AN ALARM PRIORITY OF CRITICAL (CRIT) INDICATES THAT THE ALARM MUST REMAIN IN ALARM UNTIL ACKNOWLEDGED BY A SYSTEM OPERATOR AND UNTIL THE ALARM CONDITION NO LONGER EXISTS.
4. AN ALARM PRIORITY OF INFORMATIONAL (INFO) INDICATES THAT THE ALARM MUST REMAIN IN ALARM UNTIL THE ALARM CONDITION NO LONGER EXISTS OR THE ALARM IS ACKNOWLEDGED.

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

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DES	RLS	DRW	RLS	CHK	LLJ

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CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

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TEMPERATURE CONTROLS LEGEND & ABBREVIATIONS

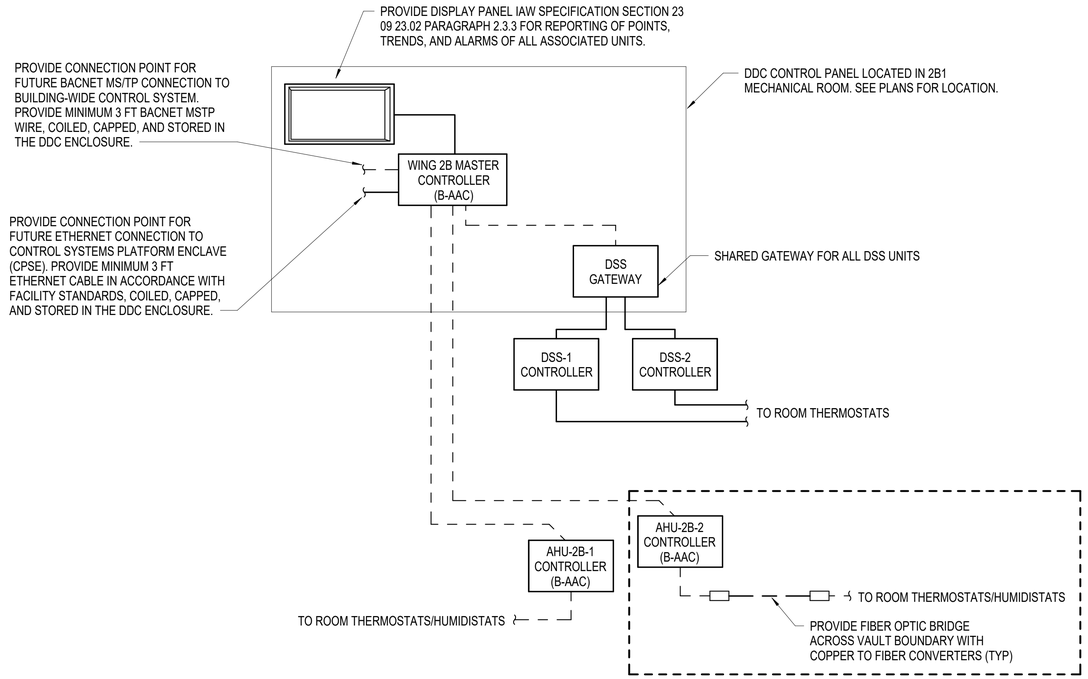
SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230855
SHEET 47 OF 98

MI700

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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



DDC NETWORK LEGEND:

- BACNET IP
- BACNET MS/TP
- FIBER OPTIC
- GENERIC NETWORK FOR SYSTEM

NOTE: SEE SPECIFICATION 25 05 11.01 FOR CYBERSECURITY REQUIREMENTS

A2 DDC SYSTEM NETWORK DIAGRAM [LV]

NOT TO SCALE

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NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

DDC SYSTEM NETWORK DIAGRAM

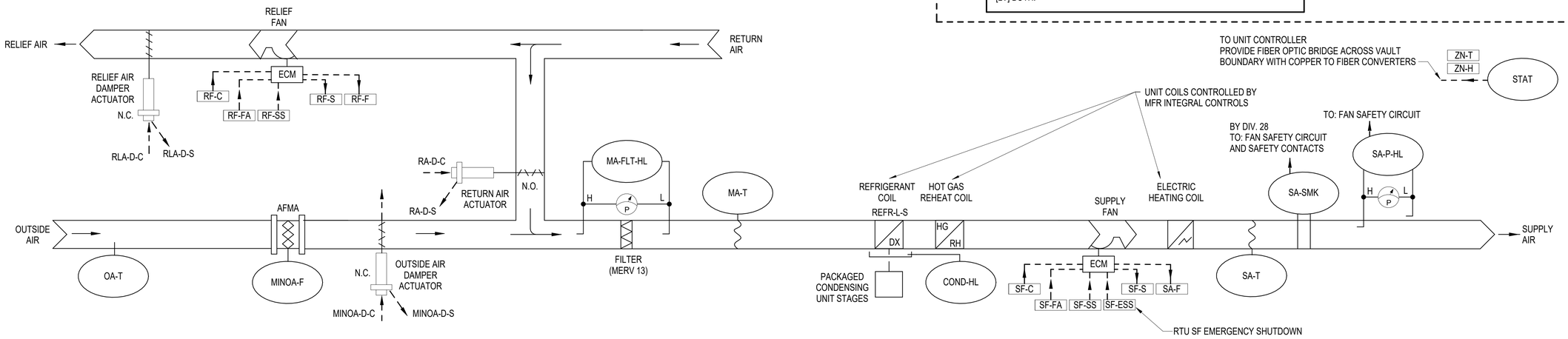
SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230856
SHEET 48 OF 98

MI701

DRAWFORM REVISION: 14 SEP 2023

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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



PACKAGED VAV AHU DDC POINTS LIST

FUNCTION	NAME	DESCRIPTION	SETTING (WITH UNITS)	RANGE (WITH UNITS)	IO TYPE	HOA REQ'D	LDP AND M&C DISPLAY			OVERRIDES	OVERRIDES	ALARM CONDITION	ALARM PRIORITY
							LDP VIEW REQ'D	M&C DISP REQ'D	M&C TREND REQ'D	LDP OVRD REQ'D	M&C OVRD REQ'D		
MINIMUM OUTSIDE AIR	MINOA-D-C	OUTSIDE AIR DAMPER COMMAND	~	0-100% OPEN	AO	~	N/A	X	~	N/A	~	~	~
	MINOA-D-S	MINIMUM OUTSIDE AIR DAMPER POSITION STATUS	~	0-100% OPEN	AI	~	N/A	X	X	N/A	~	DAMPER STATUS DOES NOT MATCH COMMAND	INFO
	MINOA-F	OUTSIDE AIR FLOW	~	<___> CFM	AI	~	N/A	X	X	N/A	~	MINOA-F VARIES FROM MINOA-F-SP BY 10% OR MORE	INFO
	MINOA-F-SP	OUTSIDE AIR FLOW SETPOINT	SEE DRAWINGS	<___> CFM	AV	~	N/A	X	~	N/A	~	~	~
OTHER POINTS	MA-FLT-HL	FILTER PRESSURE HIGH LIMIT SWITCH	SEE SEQUENCE	ALM/NORMAL	BI	~	N/A	X	~	N/A	~	TRUE	INFO
	MA-T	MIXED AIR TEMPERATURE	~	<___> °F	AI	~	N/A	X	X	N/A	~	~	~
	OA-T	OUTSIDE AIR TEMPERATURE	~	<___> °F	AI	~	N/A	X	X	N/A	~	~	~
	RA-D-C	RETURN AIR DAMPER COMMAND	~	0-100% OPEN	AO	~	N/A	X	~	N/A	~	~	~
	RA-D-S	RETURN AIR DAMPER POSITION STATUS	~	0-100% OPEN	AI	~	N/A	X	X	N/A	~	DAMPER STATUS DOES NOT MATCH COMMAND	INFO
	RLA-D-C	RELIEF AIR DAMPER COMMAND	~	OPEN / CLOSE	BO	~	N/A	X	~	N/A	~	~	~
	RLA-D-S	RELIEF AIR DAMPER POSITION STATUS	~	OPEN / CLOSE	BI	~	N/A	X	X	N/A	~	DAMPER STATUS DOES NOT MATCH COMMAND	INFO
PROOFS AND SAFETIES	COND-HL	CONDENSATE DRAIN PAIN HIGH LEVEL	~	ALM/NORMAL	BI	~	N/A	X	~	N/A	~	ALM	CRIT
	REFR-L-S	REFRIGERANT LEAK DETECTION INPUT (FROM RTU CONTROLLER)	~	ALM/NORMAL	BI	~	N/A	X	X	N/A	X	ALM	CRIT
	RF-FA	RELIEF FAN FIRE ALARM SHUTDOWN	~	ALM/NORMAL	BI	~	N/A	X	~	N/A	X	ALM	CRIT
	RF-S	RELIEF FAN STATUS	~	ON/OFF	BI	~	N/A	~	X	N/A	~	FAN STATUS DOES NOT MATCH COMMAND	INFO
	SA-P-HL	SUPPLY DUCT PRESSURE HIGH LIMIT	SEE SEQUENCE	ALM/NORMAL	BI	~	N/A	X	~	N/A	~	ALM	CRIT
	SA-SMK	SUPPLY AIR SMOKE DETECTOR	~	ALM/NORMAL	BI	~	N/A	X	~	N/A	~	ALM	CRIT
	SF-ESS	AHU SF EMERGENCY SHUTDOWN	~	ALM/NORMAL	BI	~	N/A	~	X	N/A	~	ALM	CRIT
	SF-FA	SUPPLY FAN FIRE ALARM SHUTDOWN	~	ALM/NORMAL	BI	~	N/A	X	~	N/A	X	ALM	CRIT
	SF-S	SUPPLY FAN STATUS	~	ON/OFF	BI	~	N/A	~	X	N/A	~	FAN STATUS DOES NOT MATCH COMMAND	INFO
START / STOP	RF-SS	RELIEF FAN START/STOP	~	ON/OFF	BO	X	N/A	X	~	N/A	X	~	~
	SF-SS	SUPPLY FAN START/STOP	~	ON/OFF	BO	X	N/A	X	~	N/A	X	~	~
SUPPLY AIR TEMPERATURE	SA-T	SUPPLY AIR TEMPERATURE	~	<___>	AI	~	N/A	X	X	N/A	~	*SA-T MORE THAN 3°F ABOVE OR 7°F BELOW SETPOINT	INFO
	SA-T-SP	SUPPLY AIR TEMPERATURE SETPOINT	55 °F	<___> °F	AV	~	N/A	X	~	N/A	~	~	~
FAN CAPACITY CONTROL	RF-C	RELIEF FAN COMMAND (SPEED)	~	0-100%	AO	~	N/A	~	~	N/A	X	~	~
	RF-F	RELIEF FAN AIRFLOW	~	<___> CFM	AI	~	N/A	X	X	N/A	~	~	~
	SA-F	SUPPLY FAN AIRFLOW	~	<___> CFM	AI	~	N/A	X	X	N/A	~	~	~
	SF-C	SUPPLY FAN COMMAND (SPEED)	~	0-100%	AO	~	N/A	~	~	N/A	X	~	~
ZONE TEMPERATURE CONTROL	ZN-H	ZONE HUMIDITY	~	<___> % RH	AI	~	N/A	X	X	N/A	~	*ZN-H MORE THAN 5% ABOVE OR 15% BELOW SETPOINT	INFO
	ZN-H-SP	ZONE HUMIDITY SETPOINT	60% RH	~	AV	~	N/A	X	~	N/A	X	~	~
	ZN-OCC	ZONE OCCUPANCY	~	OCC/UNOCC	BV	~	N/A	X	X	N/A	X	~	~
	ZN-T	ZONE TEMPERATURE	~	<___> °F	AI	~	N/A	X	X	N/A	~	*ZN-T 2°F MORE THAN ZN-T-SP-CLG OR LESS THAN ZN-T-SP-HTG	INFO
	ZN-T-SP	ZONE TEMPERATURE SETPOINT (CLG/HTG)	72°F/68°F	~	AV	~	N/A	X	~	N/A	X	~	~
	ZN-T-SP-UNOCC	ZONE TEMPERATURE SETPOINT FOR UNOCCUPIED MODE (CLG/HTG)	80°F/65°F	~	AV	~	N/A	X	~	N/A	X	~	~

NOTES:
1. COMPLETE THE POINTS SCHEDULE AS SPECIFIED AND AS DESCRIBED IN THE GENERAL POINTS SCHEDULE NOTES ON THE CONTROLS LEGEND DRAWING MI700.
2. PROVIDE A POINTS SCHEDULE INCLUDING ALL COLUMNS SHOWN AS WELL AS ALL ADDITIONAL COLUMNS DESCRIBED IN PART 3 OF SPECIFICATION SECTION 23 09 00.
3. UNIT MANUFACTURERS PROOFS AND SAFETIES: THE CONTRACTOR MUST SHOW EACH PROOF AND SAFETY AS A SEPARATE ROW.
4. SYS-OCC: OVERRIDE OF SYS-OCC IS ACCOMPLISHED THROUGH THE SYSTEM SCHEDULER.
5. ALARM CONDITIONS MARKED WITH AN ASTERISK (*) MUST BE ACTIVE ONLY WHEN THE SYSTEM IS IN OCCUPIED MODE AND HAS BEEN IN OCCUPIED MODE FOR MORE THAN: * = 5 MINUTES ** = 30 MINUTES

A1 PACKAGED VAV AHU CONTROL SCHEMATIC [LV]

SCALE: SCALE: NTS

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

FELIX Y. ANTWI
Lic. No. 0402051901
07-31-2026
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RLS	DRW	RLS	CHK	LLJ

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

PACKAGED AHU SCHEMATIC AND POINTS LIST

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230857
SHEET 49 OF 98

MI702

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AHU SEQUENCE OF OPERATION [LV]

3.2.1 VARIABLE AIR VOLUME SINGLE ZONE PACKAGED AIR HANDLING UNIT (AHU-2B-1, AHU-2B-2)

INSTALL DDC HARDWARE TO PERFORM THIS SEQUENCE OF OPERATION AND TO PROVIDE INPUTS AND OUTPUTS AS SPECIFIED AND SHOWN ON THE POINTS SCHEDULE. UNLESS OTHERWISE SPECIFIED, ALL MODULATING CONTROL MUST BE PROPORTIONAL-INTEGRAL (PI) CONTROL. OCCUPANCY MUST BE DETERMINED AT THE UNIT CONTROLLER BY AN ADJUSTABLE SCHEDULE.

OCCUPANCY SCHEDULE:
DAYTIME OCCUPIED MODE - MONDAY - FRIDAY 0600 - 1800 [ADJ.]
OPTIMAL START - MONDAY - FRIDAY 0400 - 0600 [ADJ.]

3.2.1.1 FAN HAND-OFF-AUTO SWITCHES
AHU SUPPLY FAN VARIABLE FREQUENCY DRIVE (VFD) MUST ACCEPT A FIRE ALARM CONTROL PANEL (FACP) SIGNAL THAT TAKES PRECEDENCE OVER ALL OTHER VFD INPUTS AND SWITCHES AND MUST CAUSE THE VFD TO DE-ENERGIZE THE SUPPLY FAN. THE VFD MUST ACCEPT AN OCCUPANT ACCESSIBLE EMERGENCY SHUTOFF SWITCH AS SHOWN. THE RTU SUPPLY FAN VFD MUST HAVE AN INTEGRAL H-O-A SWITCH OR OPERATOR KEYPAD PANEL.

3.2.1.1.1 HAND
WITH THE H-O-A SWITCH OR OPERATOR KEYPAD PANEL IN HAND POSITION, THE FAN MUST START AND RUN CONTINUOUSLY, SUBJECT TO SAFETIES. FAN SPEED MUST BE UNDER MANUAL-OPERATOR CONTROL.

3.2.1.1.2 OFF
WITH THE H-O-A SWITCH OR OPERATOR KEYPAD PANEL IN OFF POSITION, THE FAN MUST STOP.

3.2.1.1.3 AUTO
WITH THE H-O-A SWITCH OR OPERATOR KEYPAD PANEL IN AUTO POSITION, THE FAN MUST RUN SUBJECT TO THE UNIT START/STOP SIGNAL AND SAFETIES. FAN SPEED MUST BE UNDER CONTROL OF THE DDC HARDWARE.

3.2.1.2 OCCUPANCY MODES
THE SYSTEM MUST OBTAIN ITS OCCUPANCY MODE INPUT FROM THE SYSTEM SCHEDULER AS SPECIFIED AND SHOWN. THE SYSTEM MUST OPERATE IN ONE OF THE FOLLOWING MODES: OCCUPIED, UNOCCUPIED, OR WARM UP/COOL DOWN.

3.2.1.3 PROOFS AND SAFETIES
THE SUPPLY FAN AND ALL DDC HARDWARE CONTROL LOOPS MUST BE SUBJECT TO PROOFS AND SAFETIES. SAFETIES MUST BE DIRECT-HARDWIRE INTERLOCKED TO THE VFD AS SHOWN. DDC HARDWARE MUST MONITOR ALL PROOFS AND SAFETIES AND ACTIVATION OF ANY SAFETY MUST RESULT IN ALL CONTROL LOOPS BEING DISABLED AND THE FAN BEING COMMANDED OFF UNTIL RESET.

3.2.1.3.1 PROOFS
A. AHU SUPPLY FAN STATUS (SF-S)

3.2.1.3.2 SAFETIES
A. SUPPLY AIR DUCT PRESSURE HIGH LIMIT (SA-P-HL)
B. SUPPLY AIR SMOKE (SA-SMK)
C. EMERGENCY STOP SWITCH (ESS)
D. REFRIGERANT LEAK (REF-LK)
E. SUPPLY FAN ALARM (SF-ALM)

3.2.1.3.3 DDC HARDWARE RESET
DDC HARDWARE RESET OF ALL PROOFS AND SAFETIES MUST BE VIA A LOCAL BINARY PUSH-BUTTON (RST-BUT) INPUT TO THE DDC HARDWARE AS SHOWN ON THE POINTS SCHEDULE DRAWING.

3.2.1.4 SYSTEM ENABLE AND LOOP ENABLE

3.2.1.4.1 OCCUPIED MODE
OUTSIDE AIR DAMPER, RETURN AIR DAMPER, AND SUPPLY AIR DAMPER MUST BE COMMANDED OPEN. ONCE PROVEN, THE SUPPLY FAN MUST BE ENABLED (SYS-ENA) AND COMMANDED TO RUN (SF-SS). ALL CONTROL LOOPS MUST BE ENABLED.

3.2.1.4.2 UNOCCUPIED MODE
WHILE THE ZONE TEMPERATURE (ZN-T), DETERMINED BY THE SPACE TEMPERATURE SENSOR (AVERAGE OF TWO SENSORS FOR AHU-2B-2), IS BETWEEN ZONE TEMPERATURE LOW LIMIT UNOCCUPIED SETPOINT (ZN-T-LL-UNOCC) AND ZONE TEMPERATURE HIGH LIMIT UNOCCUPIED SETPOINT (ZN-T-HL-UNOCC) ALL CONTROL LOOPS MUST BE DISABLED AND THE SUPPLY FANS MUST NOT RUN.

WHEN ZN-T DROPS BELOW ZN-T-LL-UNOCC (WITH A 3 DEGREES F DEADBAND) THE SUPPLY FANS MUST BE ENABLED (SYS-ENA) AND COMMANDED TO RUN (SF-SS), AND THE SPACE HEATING CONTROL LOOP MUST BE ENABLED. THE MINIMUM OUTSIDE AIR FLOW CONTROL, AND COOLING COIL CONTROL LOOPS MUST BE DISABLED.

WHEN ANY ZN-T RISES ABOVE ZN-T-HL-UNOCC (WITH A 3 DEGREES F DEADBAND) THE SUPPLY FAN MUST BE ENABLED (SYS-ENA) AND COMMANDED TO RUN (SF-SS), AND THE COOLING COIL CONTROL LOOP MUST BE ENABLED. THE MINIMUM OUTSIDE AIR FLOW CONTROL MUST BE DISABLED.

3.2.1.4.3 OPTIMAL START (WARM UP/COOL DOWN)
RETURN AIR DAMPER MUST BE COMMANDED OPEN, ONCE PROVEN THE SUPPLY FAN(S) MUST BE ENABLED (SYS-ENA) AND COMMANDED TO RUN (SF-SS) AND (RF-SS). THE MINIMUM OUTSIDE AIR FLOW CONTROL LOOP MUST BE DISABLED AND ALL OTHER CONTROL LOOPS MUST BE ENABLED. OPTIMAL START MODE MUST BE ENABLED BASED ON UNIT INTERNAL CONTROLS.

DAMPER	AHU OCCUPIED MODE	AHU OPTIMAL START MODE	AHU UNOCCUPIED MODE
AHU OA DAMPER	OPEN	CLOSED	CLOSED
AHU RETURN DAMPER	OPEN	OPEN	OPEN

3.2.1.5 MINIMUM OUTSIDE AIR FLOW CONTROL
WHEN THIS LOOP IS ENABLED THE DDC HARDWARE MUST MODULATE THE OUTSIDE AIR DAMPER TO PROVIDE THE MINIMUM OA VOLUMETRIC FLOW SETPOINT (MINOA-F-SP) AS MEASURED BY AIRFLOW MEASURING STATION. IF OA DAMPER IS FULLY OPEN AND OA SETPOINT NOT MET, MODULATE RA DAMPER INCREMENTALLY (MAXIMUM 5% EACH MINUTE (ADJ)) TO MEET OA SETPOINT. WHEN THIS LOOP IS DISABLED, THE OA DAMPER MUST BE CLOSED.

3.2.1.6 COOLING MODE CONTROL
WHEN THIS LOOP IS ENABLED AND ZONE TEMPERATURE (ZN-T), DETERMINED BY THE SPACE TEMPERATURE SENSOR (AVERAGE OF TWO SENSORS FOR AHU-2B-2), RISES ABOVE ZONE TEMPERATURE HIGH LIMIT SETPOINT (ZN-T-HL) WITH A 2 DEG F (ADJ) CONTROL BAND, THE AHU SUPPLY FANS MUST RUN AT MINIMUM SUPPLY AIRFLOW (SA-F-SP-MIN) AND THE AHU INTERNAL CONTROLLER MUST STAGE AND MODULATE COMPRESSOR(S) TO MODULATE THE SUPPLY AIR TEMPERATURE (SA-T) TO MAINTAIN ZN-T BELOW ZN-T-HL. IF SA-T REACHES SA-T-MIN AND THE COOLING DEMAND IS STILL NOT MET, THE FAN MUST MODULATE SUPPLY AIRFLOW UP TO MAINTAIN ZN-T BELOW ZN-T-HL, UP TO THE MAXIMUM SUPPLY AIRFLOW (SA-F-SP-MAX), WHILE THE AHU COMPRESSOR(S) MODULATE TO MAINTAIN SA-T AT SA-T-MIN. WHEN THE COOLING CONTROL LOOP IS ENABLED THE HEATING CONTROL LOOP MUST BE DISABLED. IF THE SUPPLY FAN FAILS TO PROVE OPERATION, THE COOLING MODE LOOP MUST BE DISABLED.

3.2.1.7 HEATING MODE CONTROL
WHEN THIS LOOP IS ENABLED AND ZONE TEMPERATURE (ZN-T), DETERMINED BY THE AVERAGE OF ASSOCIATED SPACE TEMPERATURE SENSORS, FALLS BELOW ZONE TEMPERATURE LOW LIMIT SETPOINT (ZN-T-LL) WITH A 2 DEG F (ADJ) CONTROL BAND, THE AHU SUPPLY FANS MUST RUN AT MINIMUM SUPPLY AIRFLOW (SA-F-SP-MIN) AND THE AHU COMPRESSOR(S) MUST OPERATE IN HEATING MODE TO MODULATE THE SUPPLY AIR TEMPERATURE (SA-T) TO MAINTAIN ZN-T ABOVE ZN-T-LL. IF SA-T REACHES SA-T-MAX AND THE HEATING DEMAND IS STILL NOT MET, THE FAN MUST MODULATE SUPPLY AIRFLOW UP TO MAINTAIN ZN-T BELOW ZN-T-HL, UP TO THE MAXIMUM SUPPLY AIRFLOW (SA-F-SP-MAX), WHILE THE AHU COMPRESSOR(S) MODULATE TO MAINTAIN SA-T AT SA-T-MAX. IF THE AHU COMPRESSOR IS UNABLE TO MEET THE REQUIRED SUPPLY AIR TEMPERATURE, THE ELECTRIC RESISTANCE HEATING COIL MUST OPERATE AS A BACKUP HEAT SOURCE ONLY. WHEN THE HEATING CONTROL LOOP IS ENABLED THE COOLING CONTROL LOOP MUST BE DISABLED. IF THE SUPPLY FAN FAILS TO PROVE OPERATION, THE HEATING MODE LOOP MUST BE DISABLED.

3.2.1.8 HOT GAS REHEAT DEHUMIDIFICATION CONTROL
WHEN ANY SPACE HUMIDITY SENSOR DETECTS RELATIVE HUMIDITY GREATER THAN THE HIGH HUMIDITY LIMIT (HHL-RH) (ADJ), OVERRIDE COOLING OR HEATING MODE LOOP AND ACTIVATE THIS LOOP. WHEN A SPACE HUMIDITY SENSOR INDICATES HUMIDITY ABOVE SETPOINT, THE UNIT MUST MODULATE THE UNIT COMPRESSOR(S) TO REDUCE DISCHARGE TEMPERATURE BASED ON SPACE HUMIDITY VIA A PID LOOP. THE HOT GAS REHEAT COIL MUST MODULATE BASED ON THE SPACE TEMPERATURE SENSORS, INCREASING SUPPLY TEMPERATURE AS SPACE TEMPERATURE FALLS BELOW COOLING SETPOINT. ONCE ALL ASSOCIATED SPACE RELATIVE HUMIDITY SENSORS READ 3% RH (ADJ) LESS THAN RH SETPOINT, DISABLE THE DEHUMIDIFICATION LOOP AND RESUME COOLING OR HEATING LOOPS BASED ON SPACE TEMPERATURE SENSORS.

3.2.1.9 RELIEF AIR FAN CONTROL
THE RELIEF FAN MUST BE BALANCED TO MAINTAIN SCHEDULED RELIEF AIRFLOW. RELIEF FAN MUST OPERATE AT INDICATED AIRFLOW WHEN OA DAMPER IS OPEN. WHEN OA DAMPER IS CLOSED, RELIEF FAN MUST NOT RUN.

3.2.1.10 HVAC EMERGENCY SHUTDOWN SWITCH (ESS) SEQUENCE
UPON RECEIVING A SHUTDOWN SIGNAL FROM ANY EMERGENCY SHUTDOWN SWITCH, CLOSE OUTSIDE AIR DAMPER, DE-ENERGIZE ALL FANS AND CLOSE ALL DAMPERS.

3.2.1.11 REFRIGERANT LEAK SHUTDOWN SEQUENCE
UPON DETECTION OF REFRIGERANT VIA THE UNIT'S INTERNAL REFRIGERANT SNIFFER, THE OA AND RA DAMPERS MUST OPEN, THE AHU SUPPLY FAN MUST IMMEDIATELY RUN AT 100% SPEED, AND THE COMPRESSOR AND ELECTRIC HEATING COIL MUST BE DISABLED. AN ALARM MUST BE COMMUNICATED TO THE LOCAL AHU CONTROLLER. ONCE THE REFRIGERANT DETECTOR HAS NOT DETECTED THE PRESENCE OF REFRIGERANT FOR FIVE MINUTES, THE AHU MUST DE-ENERGIZE. THE AHU MUST REMAIN OFFLINE UNTIL UNIT IS CHECKED AND MANUALLY RESTARTED.

3.2.1.12 SMOKE DETECTOR SHUTDOWN
UPON ACTIVATION OF THE DUCT SMOKE DETECTOR, ALL CONTROL LOOPS MUST BE DISABLED, THE FANS MUST NOT RUN, AND ALL DAMPERS MUST CLOSE. AN ALARM MUST BE COMMUNICATED TO THE FIRE ALARM CONTROL PANEL (FACP). MANUAL RESET OF THE SMOKE DETECTOR MUST BE REQUIRED TO RESTART THE UNIT.

3.2.1.13 ALARMS
AHU DISCHARGE PRESSURE HIGH LIMIT (SA-P-HL). AHU > 3.0" WC INITIAL (CONFIRM DURING TAB)
SUPPLY AIR SMOKE (SA-SMK)
MERV 8 DIRTY FILTER SWITCH: 0.5" WC
MERV 13 DIRTY FILTER SWITCH: 0.75" WC
SUPPLY FAN FAILURE: COMMANDED ON, STATUS IS OFF
DAMPER COMMAND AND POSITION FEEDBACK MISMATCH
CONTROLLER FAILURE
LOSS OF COMMUNICATIONS
REFRIGERANT LEAK DETECTED
HIGH SPACE TEMPERATURE: SPACE TEMPERATURE GREATER THAN 5°F (ADJ) ABOVE HIGH LIMIT SETPOINT FOR 10 MINUTES (ADJ)
LOW SPACE TEMPERATURE: SPACE TEMPERATURE GREATER THAN 5°F (ADJ) BELOW LOW LIMIT SETPOINT FOR 10 MINUTES (ADJ)
HIGH HUMIDITY: SPACE RELATIVE HUMIDITY GREATER THAN 5% (ADJ) ABOVE HIGH LIMIT SETPOINT FOR 10 MINUTES (ADJ)

MAINTENANCE ALARMS:
HIGH DISCHARGE TEMPERATURE: SA-T ≥ 95°F
LOW DISCHARGE TEMPERATURE: SA-T ≤ 42°F
SUPPLY AIR DIRTY MERV 8 FILTER SWITCH: 0.5" WC
SUPPLY AIR DIRTY MERV 13 FILTER SWITCH: 0.75" WC

3.2.1.14 SETPOINTS
UNOCCUPIED ZONE TEMPERATURE LOW LIMIT SETPOINT (ZN-T-LL-UNOCC): 65°F
UNOCCUPIED ZONE TEMPERATURE HIGH LIMIT SETPOINT (ZN-T-HL-UNOCC): 80°F
OCCUPIED ZONE TEMPERATURE LOW LIMIT SETPOINT (ZN-T-LL-OCC): 68°F
OCCUPIED ZONE TEMPERATURE HIGH LIMIT SETPOINT (ZN-T-HL-OCC): 72°F
SUPPLY AIR TEMPERATURE MINIMUM SETPOINT (SA-T-MIN): 55°F
SUPPLY AIR TEMPERATURE MAXIMUM SETPOINT (SA-T-MAX): 85°F
HIGH HUMIDITY LIMIT (HHL-RH): 60% RH

MINIMUM OA VOLUMETRIC FLOW SETPOINT (OA-F-SP): REFER TO AHU SCHEDULE
MINIMUM SA VOLUMETRIC FLOW SETPOINT (SA-F-SP-MIN): REFER TO AHU SCHEDULE
MAXIMUM SA VOLUMETRIC FLOW SETPOINT (SA-F-SP-MAX): REFER TO AHU SCHEDULE

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
FELIX Y. ANTWI
Lic. No. 0402051901
07-31-2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026
DES RLS | DRW RLS | CHK LLJ
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BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

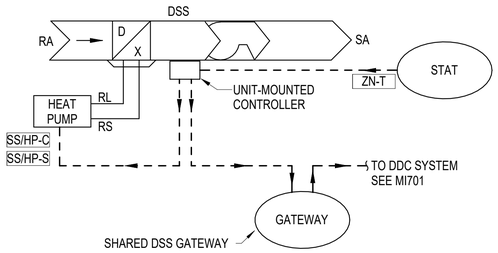
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
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NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PACKAGED AHU SEQUENCE OF OPERATIONS

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15230858
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SEQUENCE OF OPERATION - SPLIT SYSTEM HEAT PUMPS (DSS-1/DSS-2)



SPLIT SYSTEM HEAT PUMPS / DSS-1 & DSS-2
EQUIPMENT PROVIDED WITH PACKAGED CONTROLS. INTEGRATE POINTS FROM INTEGRAL UNIT CONTROLLER TO DDC SYSTEM AS INDICATED. INSTALL ADDITIONAL DDC HARDWARE TO PERFORM THIS SEQUENCE OF OPERATION AND TO PROVIDE INPUTS AND OUTPUTS AS SPECIFIED AND SHOWN ON THE POINTS SCHEDULE. UNLESS OTHERWISE SPECIFIED, ALL MODULATING CONTROL MUST BE PROPORTIONAL-INTEGRAL (PI) CONTROL.

FAN ON-AUTO MODE

AUTO
THE THERMOSTAT MUST BE LOCKED IN AUTO MODE TO ALLOW AUTOMATED TEMPERATURE CONTROL.

HEAT-OFF-COOL MODE

HEAT-COOL
THE THERMOSTAT MUST AUTOMATICALLY MAINTAIN TEMPERATURES AND MUST BE CAPABLE OF SWITCHING BETWEEN HEATING AND COOLING MODE. USE THE DDC HARDWARE TO OPERATE THE SPLIT SYSTEM HEAT PUMP TO CONTINUOUSLY MAINTAIN SETPOINTS. UNIT MUST MODULATE FAN SPEED IN RESPONSE TO VARIATION IN COOLING LOAD TO MAINTAIN UNIT DISCHARGE TEMPERATURE.

OFF MODE
WHEN THE SPACE TEMPERATURE IS GREATER THAN THE ZONE HEATING TEMPERATURE SETPOINT (ZN-T-LL) AND BELOW THE COOLING THERMOSTAT SETPOINT (ZN-T-HL), THE SPLIT SYSTEM HEAT PUMP MUST BE DE-ENERGIZED BY THE DDC HARDWARE.

SAFETIES
RUN THE UNIT SUBJECT TO THE UNIT MANUFACTURER'S SAFETIES.

ZONE TEMPERATURE CONTROL
HEATING/COOLING MUST BE INITIATED WHEN THE SPACE TEMPERATURE (ZN-T) DROPS BELOW THE ZONE HEATING TEMPERATURE SETPOINT (ZN-T-LL) OR WHEN THE SPACE TEMPERATURE RISES ABOVE THE ZONE COOLING TEMPERATURE SETPOINT (ZN-T-HL).

SETPOINTS
HEATING SETPOINT (ZN-T-LL): 68°F (ADJ.)
TELECOM ROOMS

COOLING SETPOINT (ZN-T-HL): 72°F (ADJ.)
TELECOM ROOMS

ALARM
HIGH SPACE TEMPERATURE (SPACE-T): 85°F (ADJ.)

SPLIT SYSTEM HEAT PUMP POINTS LIST

FUNCTION	NAME	DESCRIPTION	SETTING (WITH UNITS)	RANGE (WITH UNITS)	IO TYPE	LDP AND M&C DISPLAY			OVERRIDES	OVERRIDES	ALARM CONDITION	ALARM PRIORITY
						LDP VIEW REQ'D	M&C DISP REQ'D	M&C TREND REQ'D	LDP OVRD REQ'D	M&C OVRD REQ'D		
PROOFS & SAFETIES	SS/HP-S	SPLIT SYSTEM HEAT PUMP STATUS	ON/OFF	<___>	BV	N/A	X	~	N/A	X	COMMANDED ON BUT STATUS IS OFF	INFO
START / STOP	SS/HP-C	SPLIT SYSTEM HEAT PUMP COMMAND	~	<___>	BO	N/A	X	~	N/A	X	~	~
ZONE TEMPERATURE CONTROL	ZN-T	ZONE TEMPERATURE	~	<___>	AV	N/A	X	X	N/A	~	*ZN-T 2°F MORE THAN ZN-T-SP-CLG OR LESS THAN ZN-T-SP-HTG	INFO
	ZN-T-SP	ZONE TEMPERATURE SETPOINT (CLG/HTG)	72°F/68°F	~	AV	N/A	X	~	N/A	X	~	~

NOTES:
1. COMPLETE THE POINTS SCHEDULE AS SPECIFIED AND AS DESCRIBED IN THE GENERAL POINTS SCHEDULE NOTES ON THE CONTROLS LEGEND DRAWING MI700.
2. PROVIDE A POINTS SCHEDULE INCLUDING ALL COLUMNS SHOWN AS WELL AS ALL ADDITIONAL COLUMNS DESCRIBED IN PART 3 OF SPECIFICATION SECTION 23 09 00.
3. UNIT MANUFACTURERS PROOFS AND SAFETIES: THE CONTRACTOR MUST SHOW EACH PROOF AND SAFETY AS A SEPARATE ROW.
4. SYS-OCC: OVERRIDE OF SYS-OCC IS ACCOMPLISHED THROUGH THE SYSTEM SCHEDULER.
5. ALARM CONDITIONS MARKED WITH AN ASTERISK (*) MUST BE ACTIVE ONLY WHEN THE SYSTEM IS IN OCCUPIED MODE AND HAS BEEN IN OCCUPIED MODE FOR MORE THAN: * = 5 MINUTES ** = 30 MINUTES

B1 SPLIT SYSTEM HEAT PUMP SEQUENCE OF OPERATION [L]

SCALE: SCALE: NTS

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

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APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	RLS	DRW	RLS	CHK	LLJ

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
HVAC SEQUENCES AND SCHEMATICS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230859
SHEET	51 OF 98

MI704

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CUI

GENERAL

?	KEYNOTE TAG - REFER TO SHEET KEYNOTES ON EACH SHEET

RISER DIAGRAM

	COMBINATION STARTER/DISCONNECT
	VARIABLE FREQUENCY DRIVE (VFD)/DISCONNECT
	DISCONNECT SWITCH
	MOTOR STARTER
	VARIABLE FREQUENCY DRIVE
3P 100/80 3R	STARTER/DISCONNECT/ASD TAG 3P = # OF POLES 100 = DISCONNECT RATING 80 = FUSE SIZE 3R = NEMA ENCLOSURE TYPE
SPD	SURGE PROTECTIVE DEVICE.
L-1 100A 208Y/120V MCB	PANELBOARD L-1 = PANEL NAME 100A = PANEL RATING 208Y/120V = PANEL VOLTAGE RATING MCB = CONNECTION TYPE (MCB OR MLO)
75 kVA 208Y/120V T	DRY TYPE TRANSFORMER 75 kVA = TRANSFORMER RATING 208Y/120V = SECONDARY VOLTAGE RATING
500 kVA 480Y/277V T	PAD MOUNTED TRANSFORMER 500 kVA = TRANSFORMER RATING 480Y/277V = SECONDARY VOLTAGE RATING
	AUTOMATIC TRANSFER SWITCH.
T	TEST WELL WITH GROUND ROD.
	ENCLOSED CIRCUIT BREAKER.

LIGHTING

8'-0"	LED LUMINAIRE MOUNTING HEIGHT UON.
	LED EMERGENCY LUMINAIRE. EMERGENCY BATTERY DRIVER, 1400 LUMENS MINIMUM FOR 90 MINUTES, UON (NOTE: ALL FIXTURES NOTED ON PLAN WITH HATCH AND/OR LABELED WITH AN 'E' AFTER THE FIXTURE TYPE INDICATES EMERGENCY)
	EXIT LUMINAIRE. CEILING / WALL MOUNT. ARROW WHEN USED INDICATES DIRECTION. HATCHED AREAS INDICATES NUMBER OF FACES.
F1	LUMINAIRE TAG
$a	LOW VOLTAGE TOGGLE SWITCH. SINGLE POLE, SUBSCRIPTS (a- z) WHEN USED, DENOTES FIXTURES CONTROLLED.
$3 $4	SWITCH. SUBSCRIPT "3" = 3 WAY, "4" = 4 WAY.
$D	DIMMER SWITCH
$3D	3 WAY DIMMER SWITCH
OS	OCCUPANCY SENSOR, CEILING MOUNTED UON.

POWER

X	FLUSH MOUNTED DUPLEX CONVENIENCE RECEPTACLE. 20A, 120V. 'GFI' DENOTES GROUND FAULT INTERRUPTER 'AC' DENOTES ABOVE COUNTER 'WPIU' DENOTES WEATHER PROOF WHILE IN USE ENCLOSURE 'C' DENOTES CEILING MOUNT 'TV' DENOTES TELEVISION / CLOCK RECEPTACLE. 72" AFF, UON, WITH THE LOCATION COORDINATED WITH THE CATV DROP AND TELEVISION MOUNTING BRACKET.
	FLUSH MOUNTED QUAD RECEPTACLE. 20A, 120V.
	L6-30R RECEPTACLE. 20A, 208V, SINGLE PHASE.
	SURFACE MOUNTED DUPLEX CONVENIENCE RECEPTACLE. 20A, 120V. GFI DENOTES GROUND FAULT INTERRUPTER, AC DENOTES ABOVE COUNTER, WP DENOTES WEATHER PROOF ENCLOSURE AND C DENOTES CEILING MOUNT (FLUSH).
	CEILING MOUNTED DUPLEX NEMA L5-20R RECEPTACLE. 20A, 120V.
J	CEILING MOUNTED JUNCTION BOX.
J	RECESSED WALL MOUNTED JUNCTION BOX
J	SURFACE MOUNTED JUNCTION BOX
SP	RECESSED POWERED SYSTEMS FURNITURE CONNECTION. ALL ASSOCIATED 'WHIP' CONNECTIONS ARE PROVIDED WITH THE FF&E PACKAGE.
	GROUNDING BUS BAR.
HH	HANDHOLE. C4/E-501
1	UNDERGROUND CIRCUIT IN DIRECT BURIED DUCTBANK. REFER TO FEEDER SCHEDULE ON EP102 FOR DESCRIPTIONS. -EACH BOX CONTAINING A NUMBER INDICATES AN INDIVIDUAL CONDUIT AND ASSOCIATED CONDUCTORS.
UP	CONDUIT TURNED UP.
DN	CONDUIT TURNED DOWN.

ABBREVIATIONS

Ø	PHASE
1/C	ONE CONDUCTOR
A	AMPERAGE OR AMPS
AFF	ABOVE FINISHED FLOOR
ARF	ABOVE RAISED FLOOR
AHU	AIR HANDLING UNIT
BKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
DWG	DRAWING
EA	EACH
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EXIST	EXISTING
FT	FEET
GBB	GROUNDING BUS BAR
GFCI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFGI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HGT	HEIGHT
HP	HORSEPOWER
LED	LIGHT EMITTING DIODE
LTS	LUMINAIRE
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG HT	MOUNTING HEIGHT
NEC	NATIONAL ELECTRICAL CODE
NF	NON FUSIBLE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
OC	OCCUPANCY SENSOR
PNL	PANEL
PNLBD	PANELBOARD
PVC	POLYVINYL CHLORIDE CONDUIT
QU	QUANTITY
REC	RECEPTACLE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SUB	SUBSTATION
SWBD	SWITCHBOARD
T	TELEPHONE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTAGE OR VOLTS
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW UNIT
W	WIRE
WP	WEATHERPROOF
WW	WIREWAY (TROUGH)
X	IN SCHEDULES, ITEM NOT APPLICABLE
XFMR	TRANSFORMER

GENERAL NOTES

1. PROVIDE WIRING PER NATIONAL ELECTRICAL CODE (NEC).
2. LABEL AND IDENTIFY ELECTRICAL EQUIPMENT.
3. IDENTIFY FEEDERS/CIRCUITS AT EACH END OF THE WIRE AND AT EVERY SPLICE OR JUNCTION/PULL BOX.
4. PROVIDE NAMEPLATES ON THE EXTERIOR OF ELECTRICAL PANELS AND ENCLOSURES AS FOLLOWS:

PANEL LP1A 100A, 208Y/120V-30, 4W FEEDS FROM PANEL MDP	DEVICE ID DEVICE RATING POWER SOURCE

   FOR DISCONNECT SWITCHES, MOTOR STARTERS & VFDs, INSCRIBE THE TOP LINE WITH THE NAME/DESIGNATION OF EQUIPMENT BEING FED BY SAME.
6. PROVIDE TYPED DIRECTORIES FOR PANELS (NEW OR EXISTING). INCLUDED IN THIS PROJECT.
7. INTERIOR WIRING SYSTEMS MUST BE CONCEALED WITH FLUSH MOUNTED BOXES/DEVICES, UON.
8. DRAWINGS ARE BASED ON EXISTING BUILDING PLANS AND FIELD INVESTIGATIONS. VISIT THE EXISTING BUILDING AND ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS. EXAMINE EXISTING DRAWINGS TO AVOID CONFLICTS.
9. COORDINATE LOCATION AND POWER REQUIREMENTS OF ELECTRICAL DEVICES WITH MECHANICAL, PLUMBING, ARCHITECTURAL AND FIRE PROTECTION DRAWINGS.
10. ELECTRICAL DEVICES SHOWN BUT NOT CIRCUITED MUST REMAIN ON THEIR EXISTING CIRCUIT.
11. PROVIDE ARC-FLASH LABELS ON ALL SWITCHBOARDS / SWITCHGEAR / PANELS / DISCONNECT SWITCHES / MOTOR STARTS / VSDs PER UFC 3-560-01 AND NFPA 70E.
12. SINGLE PHASE (120/208V) BRANCH CIRCUITS MUST CONSIST OF 2 #12, #12 G IN 1/2" C, UON. THREE PHASE BRANCH CIRCUITS CONSIST OF 3 #12, #12 G IN 1/2" C, UON.
13. CONDUCTORS MUST BE RUN IN CONDUIT, AND CONDUIT MUST BE CONCEALED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
14. REFER TO PLANS FOR CONDUCTOR SIZING. COMPLY WITH THE FOLLOWING GUIDELINES FOR CONDUCTOR RUN LENGTHS:
    20A,120V CIRCUITS LONGER THAN 100' - USE #10 AWG TO LIMIT VOLTAGE DROP ON BRANCH CIRCUITS TO 3%
    20A, 120V CIRCUITS LONGER THAN 150' - USE #8 AWG TO LIMIT VOLTAGE DROP ON BRANCH CIRCUITS TO 3%
    20A, 277V CIRCUITS LONGER THAN 150' - USE #10 AWG TO LIMIT VOLTAGE DROP ON BRANCH CIRCUITS TO 3%
15. COORDINATE ELECTRICAL WORK WITH ARCHITECTURAL, MECHANICAL AND FIRE PROTECTION WORK PRIOR TO FABRICATION AND INSTALLATION TO PREVENT CONFLICTS. NOTIFY THE CONTRACTING OFFICER WHERE CONFLICTS ARE DISCOVERED PRIOR TO CONSTRUCTION AND BEFORE BEGINNING WORK IN THOSE AREAS. ALL CONFLICTS THAT ARISE DUE TO LACK OF COORDINATION MUST BE RECTIFIED AT NO COST TO THE GOVERNMENT.
16. MOUNTING HEIGHT FOR LIGHT FIXTURES MUST BE FROM THE BOTTOM OF FIXTURES TO THE FINISHED FLOOR.
17. ELECTRICAL WORK MUST COMPLY WITH NEC (NFPA 70), NFPA 72, NFPA 101, AND APPLICABLE MILITARY CODES OR TECHNICAL LETTERS, IN ADDITION TO LOCAL CODES AND ORDINANCES. GROUNDING MUST COMPLY WITH NFPA 70, ART. 250.
18. PROVIDE A GREEN CONTINUOUS INSULATED EQUIPMENT GROUNDING CONDUCTOR TO ALL ELECTRICAL, TELECOMMUNICATIONS AND SECURITY EQUIPMENT SIZED IN ACCORDANCE WITH NEC 250.122. REFER TO ARCHITECTURAL A-600 SERIES SHEETS FOR PENETRATIONS INTO VAULT.

GENERAL DEMOLITION NOTES

1. EQUIPMENT SHOWN WITH DASHED LINE MUST BE REMOVED, UON.
2. CONDUIT CONCEALED IN WALLS AND SLABS MUST BE BLANKED OFF AND ABANDONED IN PLACE. PATCH WALLS AND SLABS AFTER DEMOLITION IS COMPLETE.
3. EXISTING ELECTRICAL EQUIPMENT NOT INDICATED ON DEMOLITION PLAN MUST REMAIN CONNECTED FOR CONTINUED USE, UON.
4. RECONNECT EXISTING CIRCUIT(S) (INTERRUPTED BY REMOVAL OF EXISTING DEVICE) TO THE REMAINING ELECTRICAL EQUIPMENT LOCATED DOWNSTREAM FROM THE POINT OF INTERRUPTION.

CONSTRUCTION NOTES

1. PROVIDE WRITTEN REQUESTS TO THE CONTRACTING OFFICER A MINIMUM OF 14 CALENDAR DAYS PRIOR TO ANY POWER OUTAGES.

EXISTING CONDITIONS

1. VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
2. UNLESS INDICATED AS EXISTING, MATERIALS AND LABOR MUST BE PROVIDED UNDER THIS CONTRACT.
3. EXISTING EQUIPMENT AND DEVICES TO REMAIN MUST STAY IN-TACT AND OPERATIONAL DURING THE CONSTRUCTION PROCESS. IF A DEVICE REQUIRING POWER IS DISTURBED OR INTERRUPTED, RESTORE THE DEVICE TO ITS ORIGINAL OPERATIONAL STATE. ANY DEMOLITION WORK REQUIRING MODIFICATION OF EXISTING ELECTRICAL SYSTEMS MUST NOT COMPROMISE THE SYSTEMS TO REMAIN. PROVIDE CONDUIT AND WIRING WHERE NECESSARY TO RESTORE POWER PER NEC REQUIREMENTS.
4. ELECTRICAL EQUIPMENT AND DEVICES TO BE REMOVED: COMPLETELY REMOVE CONDUCTORS AND CONDUIT TO THE DEVICE. WHERE CONDUIT REMOVAL IS NOT POSSIBLE, CAP CONDUIT AND MAKE SAFE. WHERE BACKBOXES CAN NOT BE REMOVED, PROVIDE A BLANK COVERPLATE. REMOVED CONDUIT, OLD BOXES, WIRING AND MISCELLANEOUS ELECTRICAL SCRAP MUST BE REMOVED FROM THE JOB SITE.
5. RESTORE INTERIOR/EXTERIOR WALLS, CEILINGS, FLOORS, AND CONCRETE WORK REQUIRING PATCHING, PLASTERING, PAINTING AND OTHER REPAIRS DUE TO ELECTRICAL WORK TO RESTORE THE ORIGINAL FINISH AND APPEARANCE.

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
Lic. No. 048109
07/31/2026
PROFESSIONAL ENGINEER

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SUITE 300
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	DRW	CHK
JMR	LJG	LAW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PANAMA CITY, FLORIDA

LEGEND, ABBREVIATIONS AND GENERAL NOTES

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230860
SHEET	52 OF 98

E-001

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CUI

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

CIRCUIT BREAKER NOTES [LV]

1. CIRCUIT BREAKERS 150A AND ABOVE MUST BE LSI.
2. THE CIRCUIT BREAKER SIZES SHOWN FOR MECHANICAL / PLUMBING / ELEVATOR EQUIPMENT WERE BASED ON THE EQUIPMENT BASIS OF DESIGN SELECTIONS. COORDINATE WITH THE MECHANICAL / PLUMBING / ELEVATOR DISCIPLINES AND SUBMITTALS PRIOR TO PROVIDING THE SWITCHBOARD / PANELBOARD SUBMITTALS. CHANGES TO CIRCUIT BREAKER AND BRANCH CIRCUIT SIZES DUE TO LACK OF COORDINATION MUST BE ADDRESSED AT NO ADDITIONAL COST TO THE GOVERNMENT.

GENERAL DEMOLITION NOTES [LV]

1. WIRING TO EQUIPMENT MUST BE REMOVED, UON.
2. CONDUIT MUST BE REMOVED, UON.
3. CONDUIT CONCEALED IN WALLS AND SLABS MUST BE BLANKED OFF AND ABANDONED IN PLACE. PATCH WALLS AND SLABS AFTER DEMOLITION IS COMPLETE.
4. EXISTING ELECTRICAL EQUIPMENT NOT INDICATED ON DEMOLITION PLAN MUST REMAIN CONNECTED FOR CONTINUED USE.
5. RECONNECT EXISTING CIRCUIT(S) (INTERRUPTED BY REMOVAL OF EXISTING DEVICE) TO THE REMAINING ELECTRICAL EQUIPMENT LOCATED DOWNSTREAM FROM THE POINT OF INTERRUPTION.

FURNITURE COORDINATION NOTES [LV]

1. PROVIDE POWER CONNECTIONS AND BRANCH CIRCUIT COORDINATION WITH THE FURNITURE PACKAGE. PROVIDE WALL FACEPLATES AND WHIPS TO SYSTEMS FURNITURE AND POWERED BENCHES. COORDINATE WITH THE FURNITURE VENDORS FOR CONNECTION REQUIREMENTS.

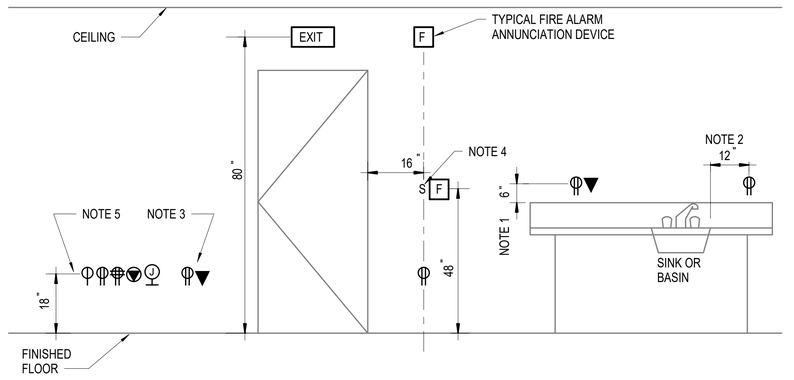
DEVICE MOUNTING NOTES [LV]:

1. COORDINATE ABOVE COUNTER DEVICES AND RECEPTACLES WITH CASEWORK OR COUNTERS SUCH THAT THE DEVICES AND RECEPTACLES ARE LOCATED AT +42" AFF OR 6" ABOVE THE COUNTERTOP OR BACKSPLASH, WHICHEVER IS HIGHER
2. RECEPTACLES INSTALLED WITHIN 6'-0" OF ANY SINK OF BASIN MUST HAVE GFI PROTECTION. DO NOT PROVIDE RECEPTACLES WITHIN 12" OF THE EDGE OF A SINK OR BASIN
3. COORDINATE WITH THE COMMUNICATIONS DRAWINGS TO ENSURE THAT A DUPLEX RECEPTACLE IS PROVIDED WITHIN 18" HORIZONTAL TO ALL SIGNAL AND DATA DEVICE LOCATIONS
4. SWITCHES AND OTHER FLUSH WALL-MOUNTED DEVICES MUST BE MOUNTED WITHIN 16" OF DOORFRAME. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DOORS WITH ADJACENT SIDELIGHTS. WHERE DEVICES ARE SHOWN ADJACENT TO THE DOOR ON THE HINGE-SIDE OF THE DOOR, AND THE DOOR SWINGS IN A MANNER THAT WILL BLOCK THE DEVICE, MOUNT THE DEVICE 12" BEYOND THE DOOR SWING. COORDINATE ROUGH-IN LOCATIONS WITH DIV. 27 AND 28 DEVICES AS WELL. COORDINATE MOUNTING LOCATION WITH OTHER TRADES TO ENSURE A UNIFORM MOUNTING AND AESTHETICALLY-PLEASING APPEARANCE.
5. MOUNTING HEIGHT INDICATED IN LEGEND AND ON THE DRAWINGS IS THE DISTANCE MEASURED FROM THE CENTER OF THE DEVICE TO THE FINISHED FLOOR.

TYPICAL DEVICE MOUNTING HEIGHTS [LV]:

REFRIGERATOR, +48" AFF
VENDING MACHINE, +24" AFF WITH GFI
COPIER, +18" AFF
ABOVE COUNTER, SEE "DEVICE MOUNTING NOTES", NOTE 1 ABOVE

TYPICAL DEVICE MOUNTING DETAIL [LV]



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A/E INFO

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
GENERAL NOTES

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230861
SHEET	53 OF 98

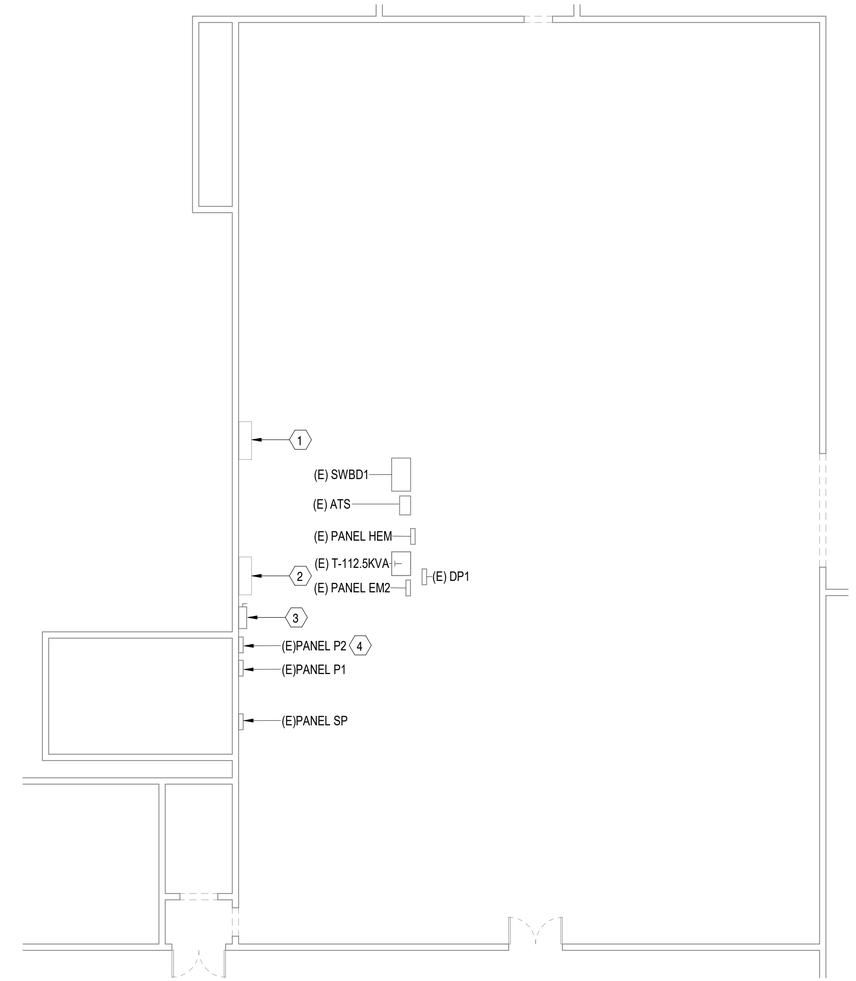
E-002

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A2 DEMOLITION PLAN - BASEMENT [LV]
1/8" = 1'-0"

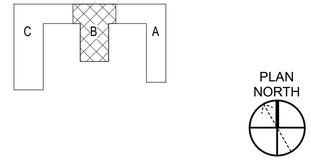
SHEET NOTES

1. SEE SHEET E-001 AND E-002 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES

SHEET KEYNOTES

1. INCOMING (E) 480Y/277V PULLBOX.
2. INCOMING (E) 208Y/120V PULLBOX.
3. (E) 208Y/120V MAIN SERVICE DISCONNECT.
4. (E) PANEL P2 SERVES THE (E) PANEL PP15 IN THE SECOND FLOOR SUITE. REFER TO THE DEMOLITION RISER DIAGRAMS ON ED600 FOR FEEDER / CONDUIT DEMOLITION INSTRUCTIONS.

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0"
0' 4' 8' 16'

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FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

DEMOLITION PLAN - BASEMENT

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230862
SHEET	54 OF 98

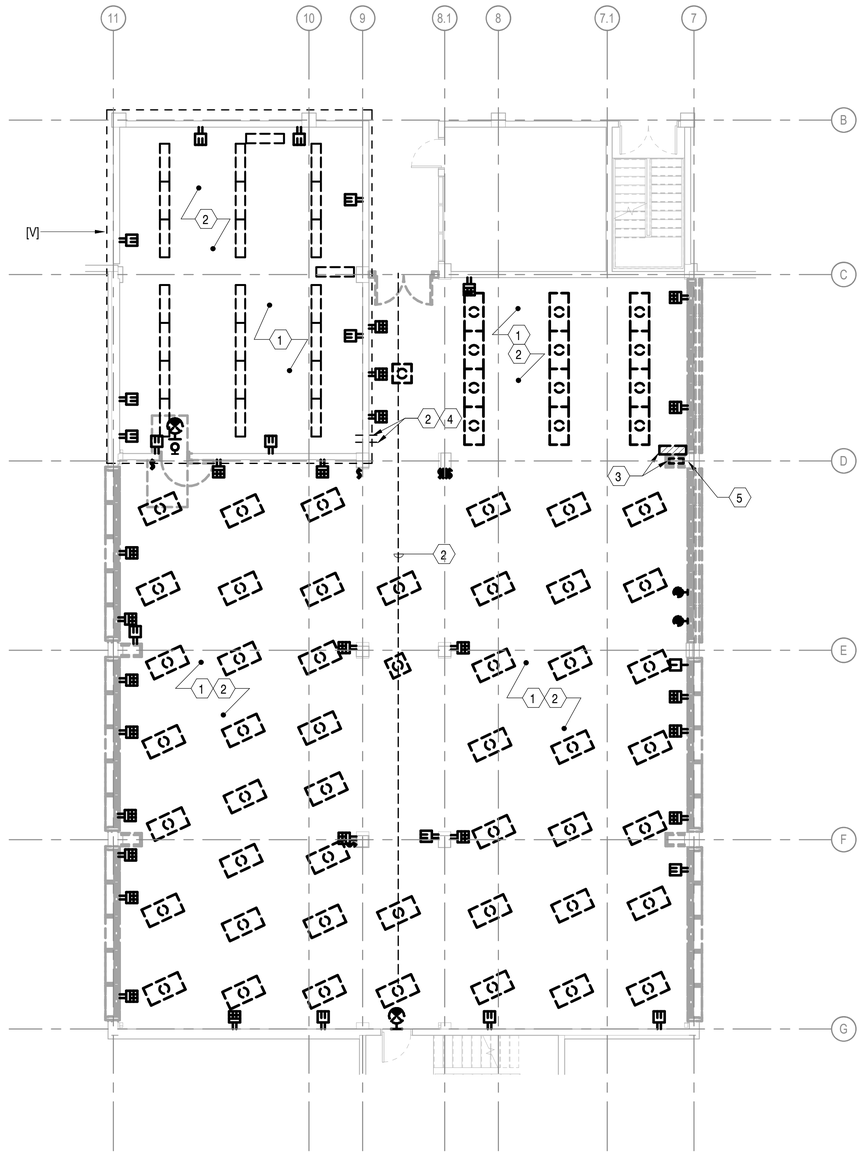
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CUI

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A3 DEMOLITION PLAN - 2ND FLOOR [LV]
1/8" = 1'-0"

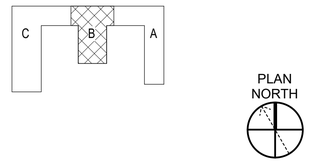
SHEET NOTES

1. SEE SHEET E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.

SHEET KEYNOTES

1. DISCONNECT AND REMOVE LIGHTING FIXTURES, ASSOCIATED CONTROLS, RECEPTACLES, ASSOCIATED CONDUCTORS AND PATHWAYS COMPLETE BACK TO SOURCE.
2. DISCONNECT AND REMOVE EMPTY CONDUIT FROM THE SPACE.
3. DISCONNECT AND REMOVE PANELBOARD AND ASSOCIATED PULLBOX INSIDE THE CHASE. REFER TO ED600 FOR LINE SIDE INSTRUCTIONS.
4. SEAL AND FIRSTSTOP PENETRATIONS FROM CONDUIT REMOVAL.
5. DISCONNECT AND REMOVE ADDITIONAL SPARE/EMPTY CONDUITS INSIDE THE CHASE BACK TO THE CEILING BELOW. REMOVE LOOSE/ABANDONED CONDUCTORS BACK TO SOURCE.

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0"
0' 4' 8' 16'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

JUSTIN MARK ROBINSON
Lic. No. 048109
07/31/2026
PROFESSIONAL ENGINEER
COMMONWEALTH OF VIRGINIA

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
DEMOLITION PLAN - SECOND FLOOR

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230863
SHEET 55 OF 98

ED102

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SHEET NOTES

1. SEE SHEET E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.

SHEET KEYNOTES

1. DISCONNECT AND REMOVE PANELBOARD.
2. REMOVE EXISTING CONDUCTORS BACK TO SOURCE. CUT AND REMOVE CONDUIT BACK TO CEILING OF LEVEL 1. ABANDONED REMAINING CONDUIT IN PLACE.
3. DISCONNECT CIRCUIT (E) DP1 - 8,10,12 FROM PANEL. RETAIN CIRCUIT BREAKER AND LOAD SIDE CONDUCTORS FOR RE-USE.
4. VERIFY ALL LOADS FED BY PANELS P1 AND P2 VIA CIRCUIT TRACING. PROVIDE UPDATED CIRCUIT BREAKER LABELS AND UPDATED PANEL SCHEDULES FOR PANELS P1 AND P2.

A1 RISER DIAGRAM - DEMOLITION [L]
NOT TO SCALE

MARK	DESCRIPTION	DATE
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CHESAPEAKE, VIRGINIA 23320
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DES	JMR	DRW	LJG	CHK	LAW
PM/DM	OAH/RSJ				
BRANCH MANAGER	NAS				
CHIEF ENG/ARCH	ADV				
FIRE PROTECTION	JPH				

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
RISER DIAGRAM - DEMOLITION

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230864
SHEET 56 OF 98
ED600
DRAWFORM REVISION: 14 SEP 2023

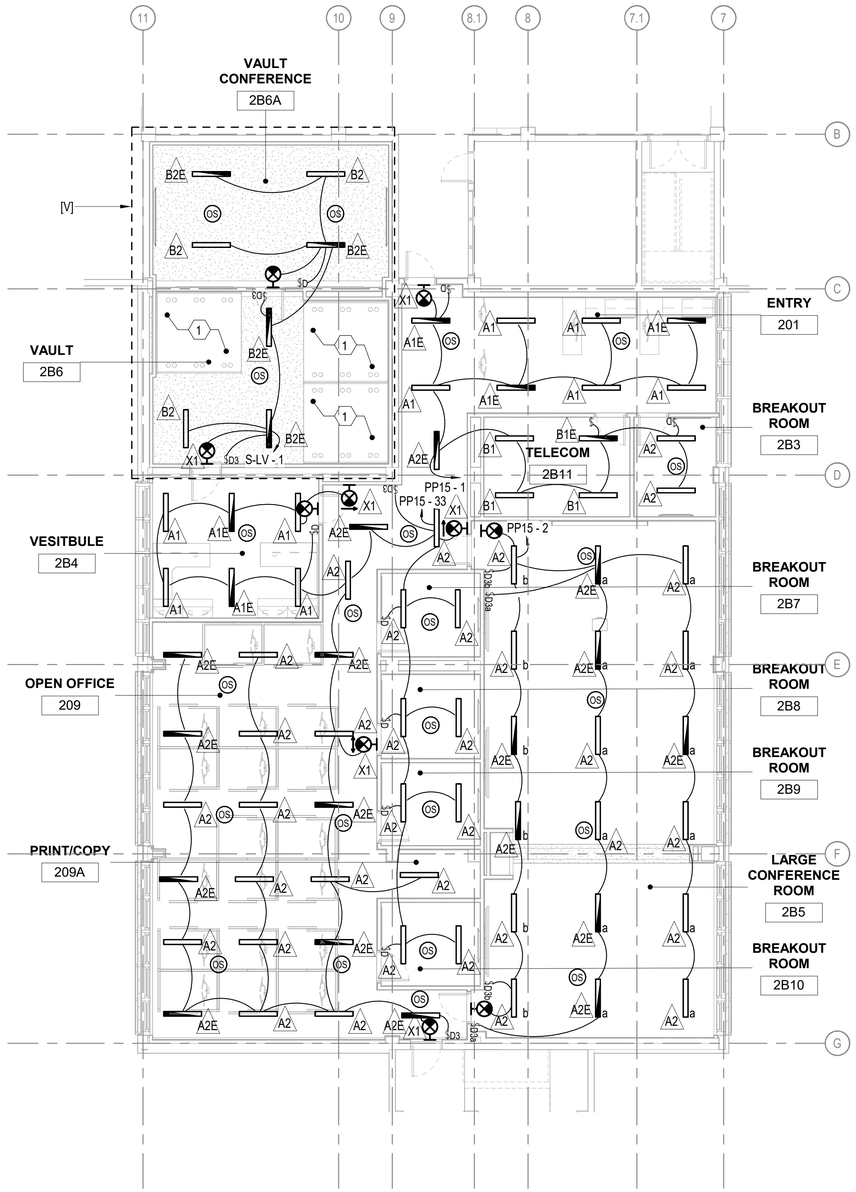
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LIGHTING CONTROLS

ROOM NUMBER	NAME	CONTROLS
2B4	VESITBULE	OS1
2B7	BREAKOUT ROOM	VS2
2B8	BREAKOUT ROOM	VS2
2B9	BREAKOUT ROOM	VS2
2B5	LARGE CONFERENCE ROOM	VS2
2B10	BREAKOUT ROOM	VS2
2B6	VAULT	OS2
2B6A	VAULT CONFERENCE	VS2
201	ENTRY	OS1
209	OPEN OFFICE	VS2
2B3	BREAKOUT ROOM	VS2
2B11	TELECOM	SW

NOTES:
1. LARGE CONFERENCE ROOM 2B5 WILL HAVE TWO SEPERATE LIGHTING CONTROLS. ONE ON EACH SIDE OF THE PARTITION.



A2 LIGHTING PLAN [L]
1/8" = 1'-0"

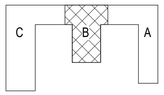
SHEET NOTES

1. REFER TO SHEET E-001 FOR LEGEND, ABREVIATIONS AND GENERAL NOTES.
2. REFER TO SHEET E-501 FOR LUMINAIRE SCHEDULES AND DETAILS.
3. OCCUPANCY SENSORS ARE TO BE MOUNTED AT THE LOWEST PORTION OF STRUCTURE.

SHEET KEYNOTES

1. ROOMS ARE PREFABRICATED MODULAR STRUCTURES. LIGHTING DEVICES ARE PERFORMANCE SPECIFIED.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

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COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
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CHESAPEAKE, VIRGINIA 23320

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FIRE PROTECTION JPH

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PANAMA CITY, FLORIDA
LIGHTING PLAN

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230865
SHEET 57 OF 98

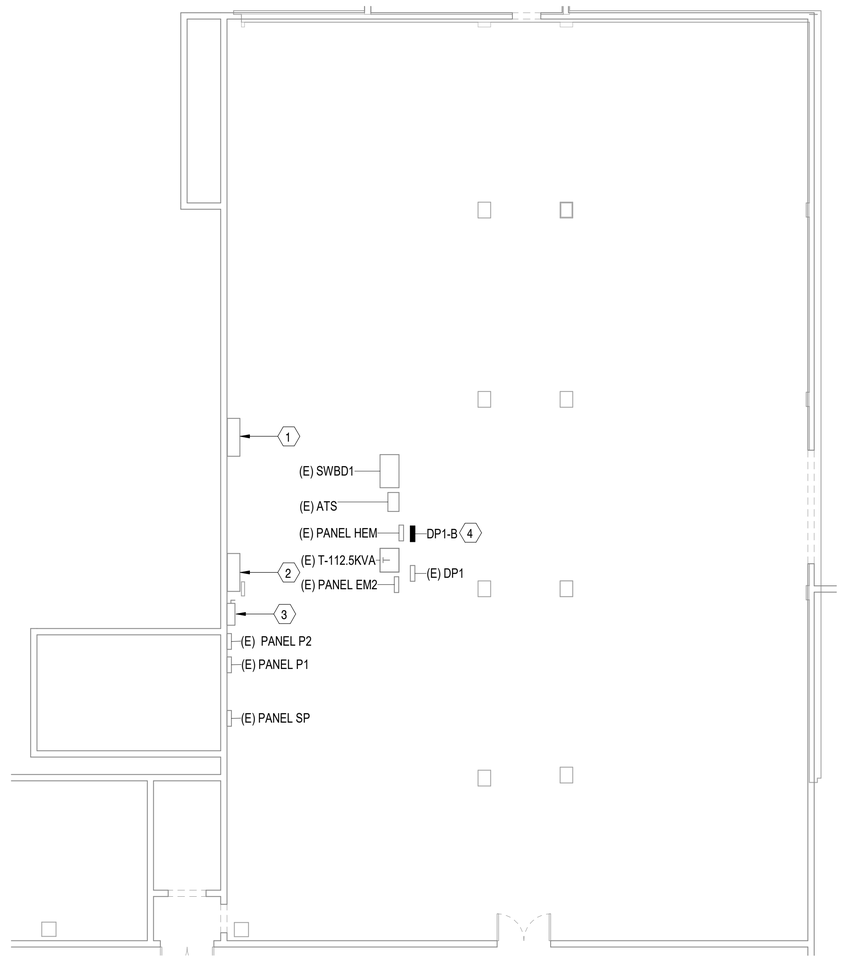
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DRAWFORM REVISION: 14 SEP 2023

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A3 POWER PLAN - BASEMENT [LV]
1/8" = 1'-0"

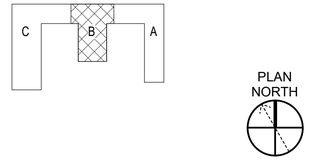
SHEET NOTES

1. REFER TO SHEET E-001 AND E-002 FOR LEGEND, ABRIVIATIONS AND GENERAL NOTES.

SHEET KEYNOTES

1. INCOMING (EXISTING) 480Y/277V PULLBOX.
2. INCOMING (EXISTING) 208Y/120V PULLBOX.
3. (EXISTING) 208Y/120V MAIN SERVICE DISCONNECT.
4. MOUNT PANEL BOARD ON EXISTING C-CHANEL. REFER TO C3/E-500 FOR MORE DETAILS.

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0"
0' 4' 8' 16'

MARK	DESCRIPTION	DATE
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COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
Lic. No. 048109
07/31/2026
PROFESSIONAL ENGINEER

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW
PM/DM					OAH/RSJ
BRANCH MANAGER					NAS
CHIEF ENG/ARCH					ADV
FIRE PROTECTION					JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
POWER PLAN - BASEMENT

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230866
SHEET	58 OF 98

EP101

DRAWFORM REVISION: 14 SEP 2023

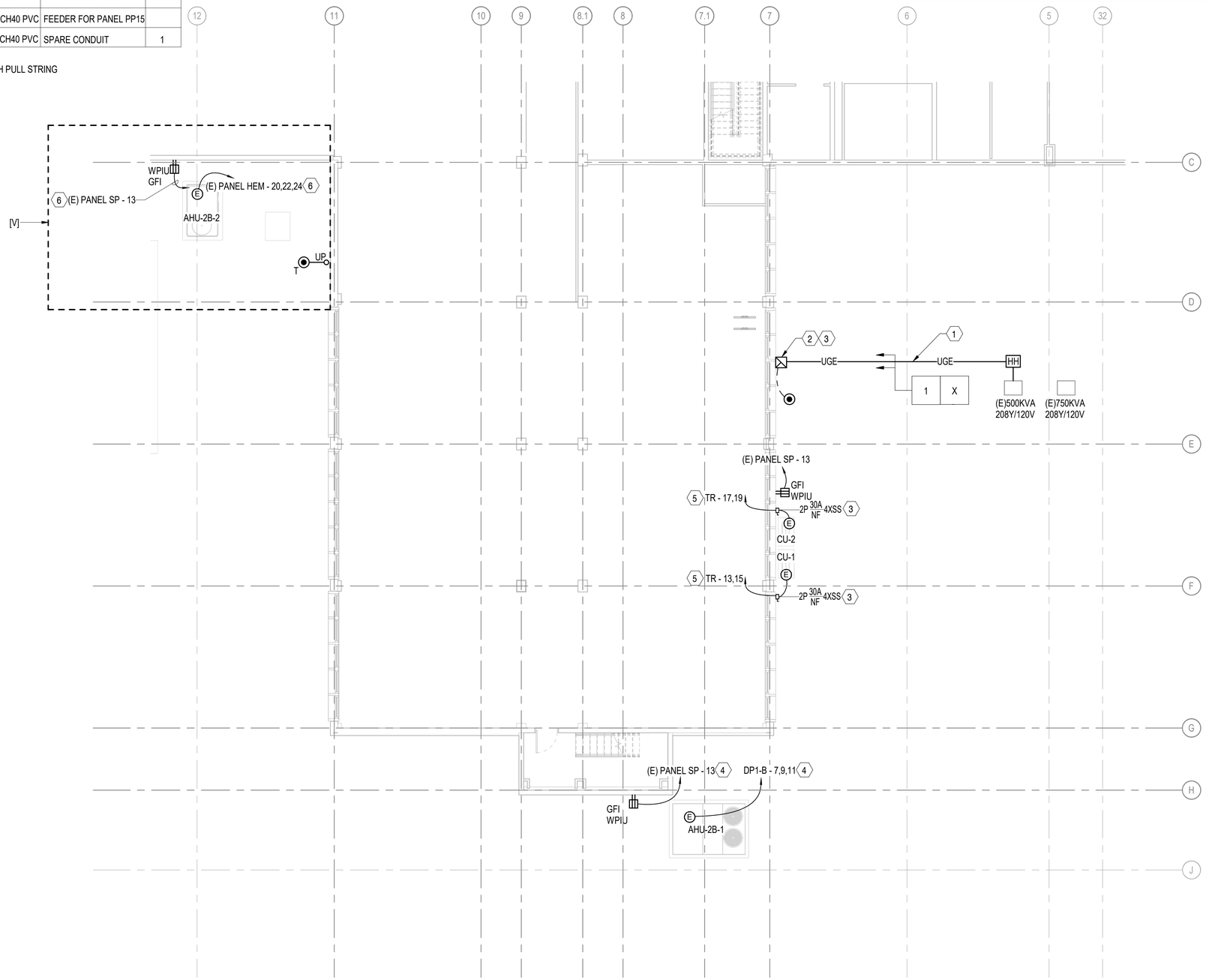
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CUI

ELECTRICAL FEEDER SCHEDULE				
#	WIRE	CONDUIT	DESCRIPTION	NOTES
1	4 #4/0, 1 #2G	2-1/2" SCH40 PVC	FEEDER FOR PANEL PP15	
X	N/A	2-1/2" SCH40 PVC	SPARE CONDUIT	1

NOTES:
1. PROVIDE CONDUIT WITH PULL STRING

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A1 POWER PLAN - FIRST FLOOR [L]
1/8" = 1'-0"

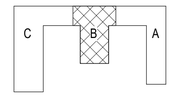
SHEET NOTES

1. ALL OUTDOOR EQUIPMENT IS MOUNTED AT GRADE.
2. REFER TO SHEET E-001 AND E-002 FOR LEGEND, ABRIVIATIONS AND GENERAL NOTES.

SHEET KEYNOTES

1. PROVIDE SUBSURFACE SURVEY TO FIELD COORDINATE DUCTBANK ROUTE WITH EXISTING UTILITIES PRIOR TO INSTALLATION.
2. STUB UP UNDERGROUND CONDUIT TO EXTERIOR MOUNTED BUILDING SERVICE ENTRANCE ENCLOSED CIRCUIT BREAKER. CIRCUIT TRANSITIONS TO EXTERIOR MOUNTED ON BUILDING TO SERVICE ENTRANCE RATED ENCLOSED CIRCUIT BREAKER THEN ALONG SIDE REFRIGERANT LINES BUILDING MOUNTED UP TO THE SECOND FLOOR'S CEILING, AND THEN TURNS INTO THE BUILDING ABOVE THE CEILING AT LB CONDUILETS.
3. MOUNT 24" ABOVE GRADE.
4. BRANCH CIRCUITS MUST NOT TRAVERSE THROUGH STAIRWELL. REFER TO C1/A-603 FOR PENETRATION INFORMATION.
5. ROUTE CONDUIT ALONG SIDE REFRIGERANT LINES UP TO THE SECOND FLOOR'S CEILING AND THEN TURN INTO BUILDING NEXT TO THE REFRIGERANT PENETRATION. REFER TO C1/A-603 FOR PENETRATION INFORMATION.
6. REFER TO C1/A-603 FOR PENETRATION INFORMATION.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" =1'-0"
0' 4' 8' 16'

MARK	DESCRIPTION	DATE
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NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
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07/31/2026
PROFESSIONAL ENGINEER

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW

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BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

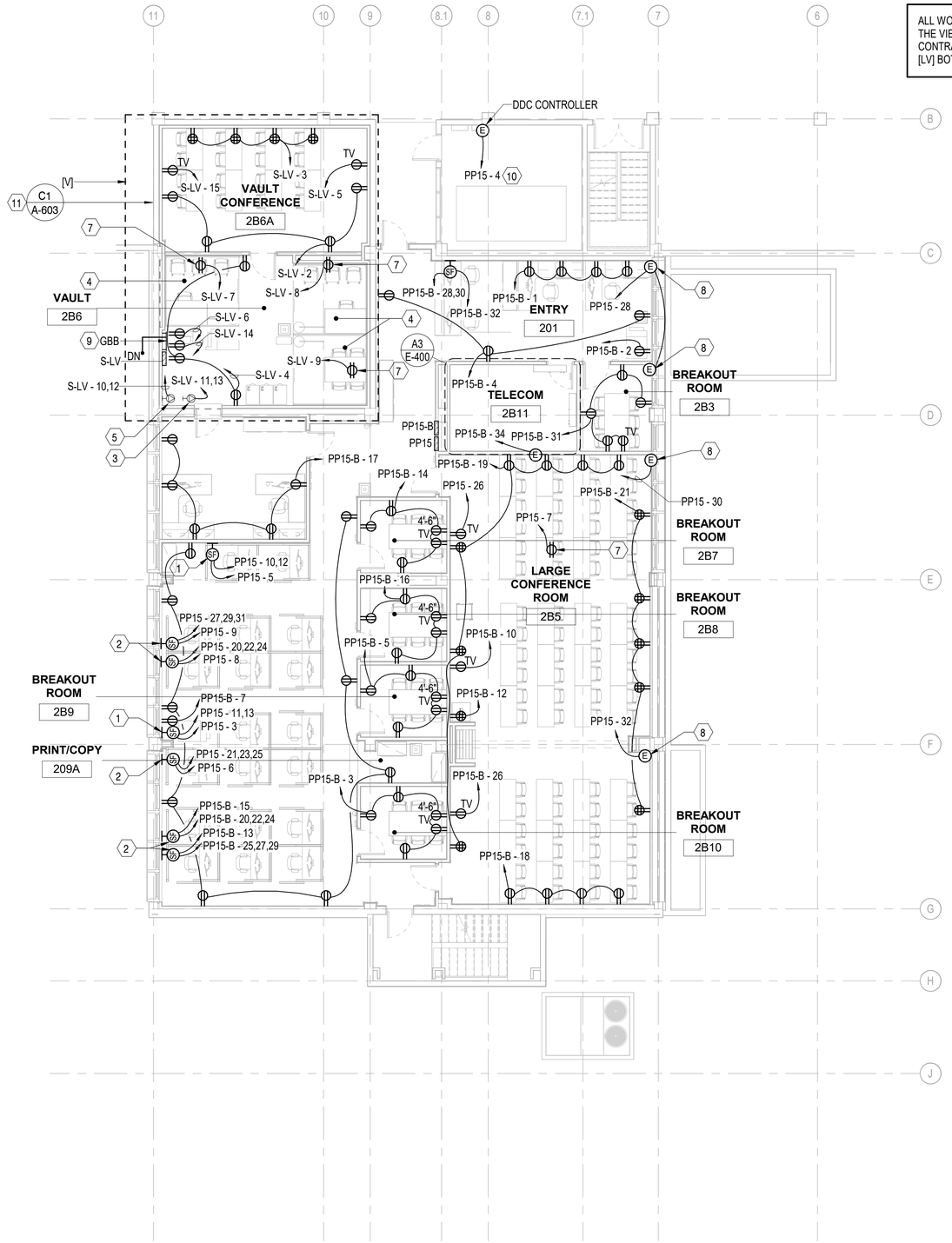
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
POWER PLAN - FIRST FLOOR

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230867
SHEET	59 OF 98

EP102

DRAWFORM REVISION: 14 SEP 2023

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A1 POWER PLAN - SECOND FLOOR [L]

1/8" = 1'-0"

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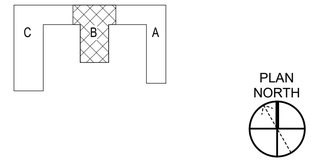
SHEET NOTES

1. REFER TO SHEET E-001 AND E-002 FOR LEGEND, ABRIVIATIONS AND GENERAL NOTES.

SHEET KEYNOTES

1. REFER TO A1/E-500 FOR SYSTEMS FURNITURE CONNECTION.
2. REFER TO A3/E-500 FOR SYSTEMS FURNITURE CONNECTION.
3. PROVIDE L6-30R RECEPTACLE. MOUNT RECEPTACLE 64" AFF.
4. ROOMS ARE PREFABRICATED MODULAR STRUCTURES. WIRING DEVICES ARE PERFORMANCE SPECIFIED.
5. PROVIDE L6-30R RECEPTACLE.
6. NOT IN USE.
7. PENDANT MOUNT RECEPTACLE AT 8' AFF
8. PROVIDE EQUIPMENT CONNECTION FOR MOTORIZED ROLLER SHADES AT.
9. MOUNT GROUND BUS BAR AT 3' AFF.
10. REFER TO C1/A-603 FOR WALL PENETRATION INFORMATION.
11. PROVIDE PENETRATION INTO VAULT FOR S-LV FEEDER. COORDINATE PENETRATION LOCATION WITH MECHANICAL DUCTS; REFER TO SHEET M-101.

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

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FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
POWER PLAN - SECOND FLOOR

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230868
SHEET 60 OF 98

EP103

DRAWFORM REVISION: 14 SEP 2023

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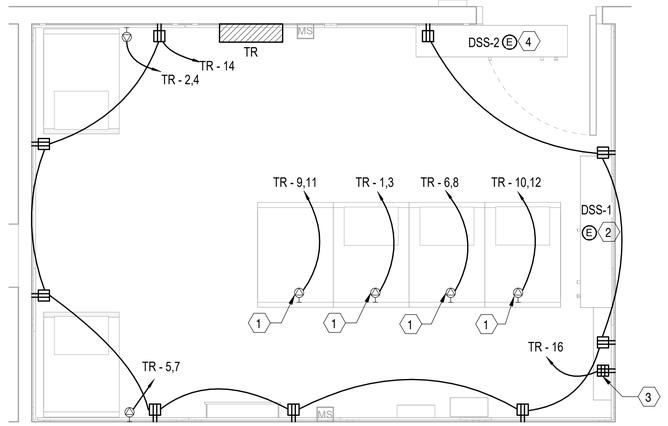
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SHEET NOTES

1. REFER TO SHEET E-001 FOR LEGEND, ABRIVIATIONS AND GENERAL NOTES.
2. ASSUME A MODERATE LINE ITEM COST FOR AUDIO VISUAL PROVISIONS IN THE LARGE CONFERENCE ROOMS AND SMALL CONFERENCE ROOMS.

SHEET KEYNOTES

1. PROVIDE L6-30R RECEPTACLE. PENDANT MOUNT RECEPTACLE ABOVE TELECOMM CABINET 8' AFF
2. DSS-1 POWER FROM OUTDOOR UNIT CU-1. REFER TO M-601. COORDINATE PENETRATION WITH MECHANICAL DUCT. REFER TO C1/A-603 FOR MORE INFORMATION.
3. MOUNT RECETACLE AT 64" AFF.
4. DSS-2 POWER FROM OUTDOOR UNIT CU-2. REFER TO M-601.COORDINATE PENETRATION WITH MECHANICAL DUCT. REFER TO C1/A-603 FOR MORE INFORMATION.



A3 ENLARGED TELECOM 2B11 [L]
1/2" = 1'-0"

GRAPHIC SCALE(S)

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

MARK	DESCRIPTION	DATE
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
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NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

ENLARGED TELECOM 2B11

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230869
SHEET	61 OF 98

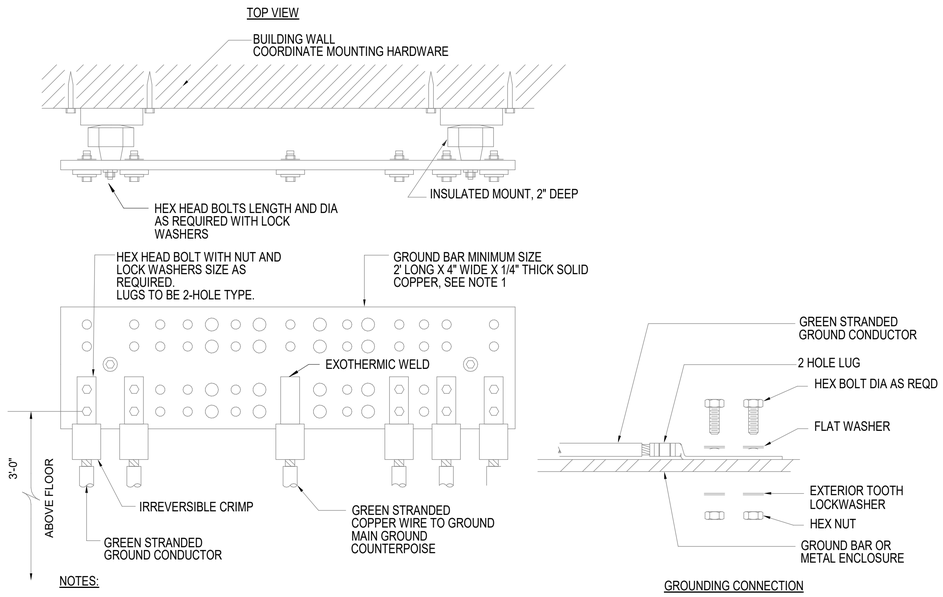
E-400

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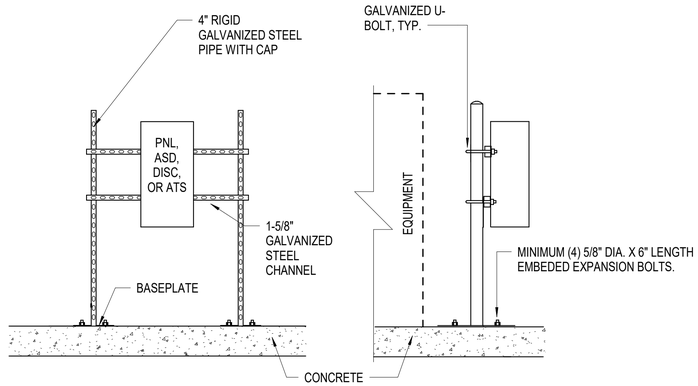


NOTES:

1. PROVIDE NUMBER AND SIZE OF CONNECTORS AND GROUND CONDUCTORS AND LENGTH OF GROUND BAR AS REQUIRED FOR EACH GROUND BAR LOCATION.
2. PROVIDE GROUND BUS IN ACCORDANCE WITH EIA/TIA-607 GROUNDING STANDARDS.
3. DETAIL IS USED AN EXAMPLE. HOLE SIZE, SPACING AND PATTERN MUST BE IN ACCORDANCE WITH TIA-607B.
4. PROVIDE UL LISTED GROUND BUS.

B1 MAIN GROUND BUS DETAIL (MGB)

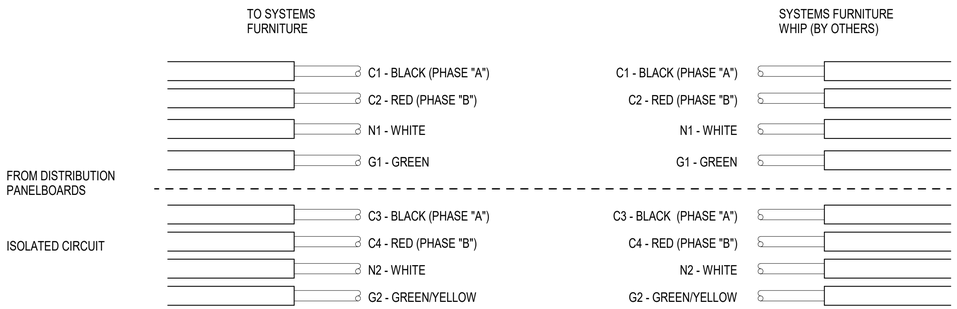
NOT TO SCALE



NOTES:
1. FOR EXISTING RACK, ONLY MOUNTING HARDWARE REQUIRED.
2. VERIFY ACTUAL DIMENSIONS WITH THE EQUIPMENT PURCHASED FOR THIS CONTRACT.

C3 TYPICAL EQUIPMENT RACK DETAIL [L]

NOT TO SCALE

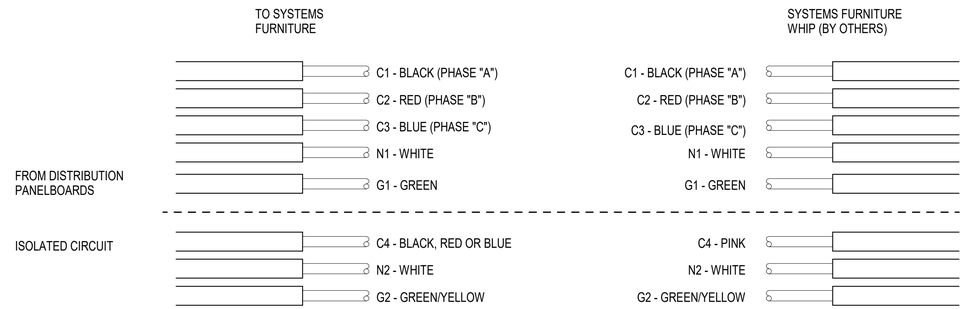


NOTES:

1. MUST PROVIDE BRANCH CIRCUIT WIRING AS INDICATED FOR SYSTEMS FURNITURE CIRCUITS ONLY. DO NOT UTILIZE PINK FOR 120V CIRCUITS OUTSIDE OF SYSTEMS FURNITURE.
2. CIRCUITS C1-C2 MUST SHARE NEUTRAL N1.
3. CIRCUITS C3-C4 MUST SHARE NEUTRAL N2.
4. CIRCUITS C1-C2 MUST SHARE GROUND G1.
5. CIRCUITS C3-C4 MUST SHARE GROUND G2.

A1 SYSTEMS FURNITURE WIRING DIAGRAM 2+2 [L]

NOT TO SCALE



NOTES:

1. MUST PROVIDE BRANCH CIRCUIT WIRING AS INDICATED FOR SYSTEMS FURNITURE CIRCUITS ONLY. DO NOT UTILIZE PINK FOR 120V CIRCUITS OUTSIDE OF SYSTEMS FURNITURE.
2. CIRCUITS C1-C3 MUST SHARE NEUTRAL N1.
3. CIRCUIT C1-C3 MUST SHARE GROUND G1.
4. CIRCUIT 4 (ISOLATED CIRCUIT) MUST UTILIZE NEUTRAL N2 AND GROUND G2.

A3 SYSTEMS FURNITURE WIRING DIAGRAM 3+1 [L]

NOT TO SCALE

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
Lic. No. 048109
07/31/2026
PROFESSIONAL ENGINEER

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW

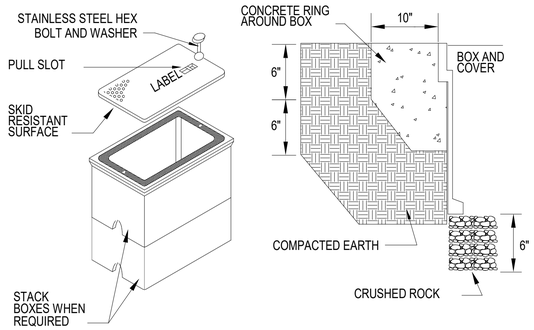
PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
ELECTRICAL DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230870
SHEET	62 OF 98

E-500

DRAWFORM REVISION: 14 SEP 2023



HANDHOLE REQUIREMENTS:

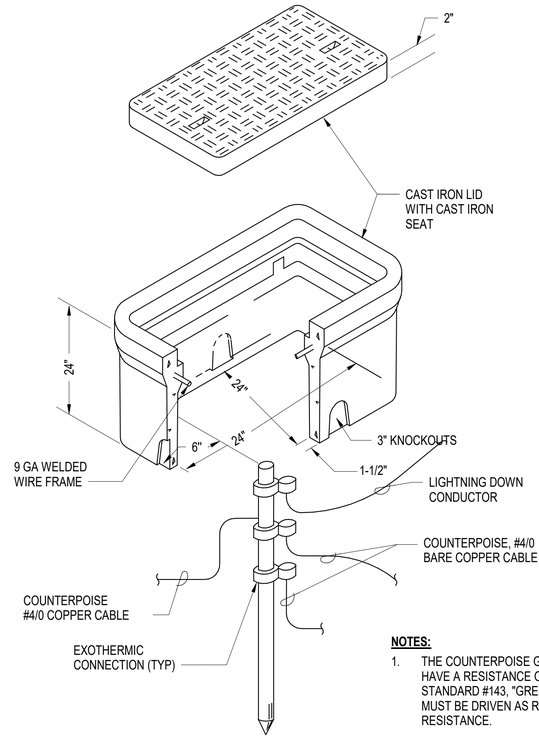
1. HOUSING MUST BE A POLYMER CONCRETE REINFORCED WITH A HEAVY WEAVE FIBERGLASS REINFORCING WITH COMPRESSIVE STRENGTH OF NO LESS THAN 10,000 PSI.
2. COVER AND BOX MUST WITHSTAND A SERVICE LOAD OF NO LESS THAN 15,000 LBS OVER A 10" X 10" AREA.
3. PROVIDE STAINLESS STEEL BOLTS AND INSERTS.
4. PROVIDE WITH (2) 2 1/2" MOUSEHOLES.
5. PROVIDE LABEL "ELECTRICAL" FOR POWER HANDHOLES OR "TELEPHONE" FOR TELEPHONE HANDHOLES, OR AS INDICATED.

TYPE	HANDHOLE SIZING
7	24" X 24" X 30" DEEP

C1 STANDARD ELECTRICAL HANDHOLE NONTRAFFIC-UG-6 [L]

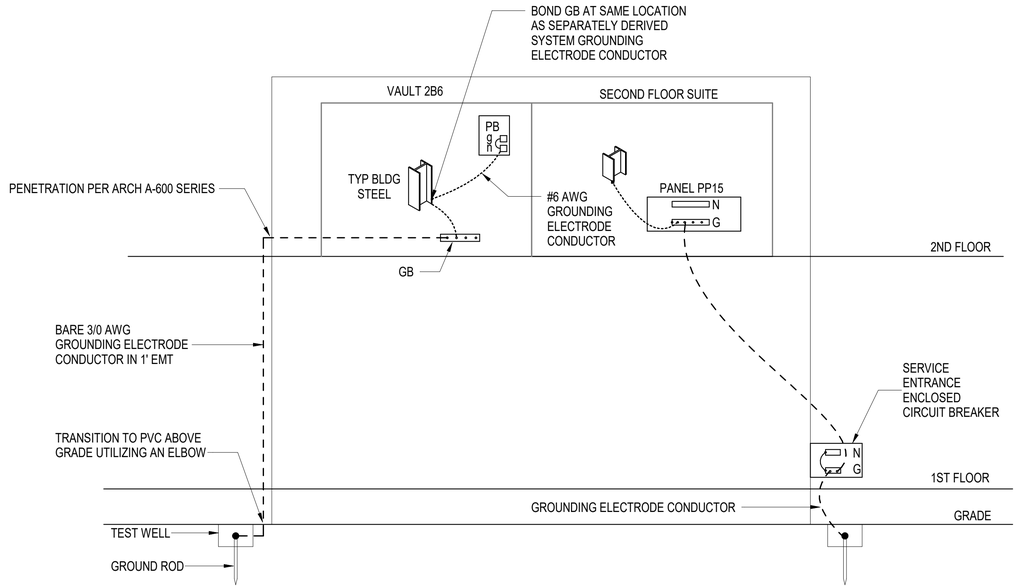
NOT TO SCALE

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



NOTES:

1. THE COUNTERPOISE GROUND RING OF THE FACILITY MUST HAVE A RESISTANCE OF 5 OHMS OR LESS PER IEEE STANDARD #143, "GREEN BOOK". ADDITIONAL GROUND RODS MUST BE DRIVEN AS REQUIRED TO ACHIEVE THE PROPER RESISTANCE.



NOTES:

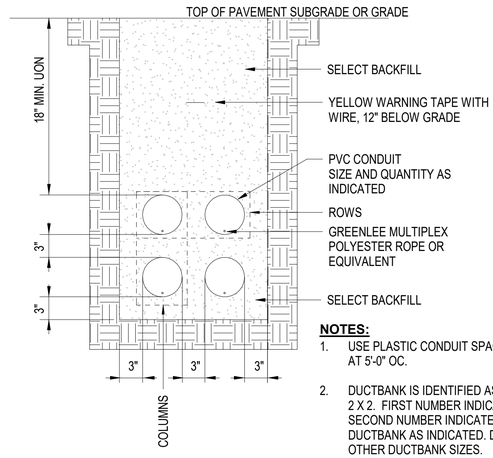
1. THIS DETAIL DOES NOT PRECLUDE THE REQUIREMENTS OF NEC ART. 250 OR NFPA 780. MUST STRICTLY ADHERE TO NEC ART. 250, WHICH SUPERCEDES THIS DETAIL.
2. ALL TELECOMMUNICATIONS BONDING AND GROUNDING MUST COMPLY WITH TIA-607B, EXCEPT WHERE NEC SUPERCEDES

A1 TYPICAL GROUNDING SCHEMATIC

NOT TO SCALE

B4 GROUND TEST WELL

NOT TO SCALE



NOTES:

1. USE PLASTIC CONDUIT SPACERS AT 5'-0" OC.
2. DUCTBANK IS IDENTIFIED AS FOLLOWS: 2 X 2. FIRST NUMBER INDICATES COLUMNS. SECOND NUMBER INDICATES ROWS. PROVIDE DUCTBANK AS INDICATED. DETAIL ALSO APPLIES TO OTHER DUCTBANK SIZES.
3. ALTER DUCTBANK CONFIGURATIONS AS REQUIRED TO PROPERLY ENTER HANDHOLES.

A4 TYPICAL DIRECT BURIED DUCTBANK [L]

NOT TO SCALE

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

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A/E INFO

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SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PANAMA CITY, FLORIDA
ELECTRICAL DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230871
SHEET	63 OF 98

E-501

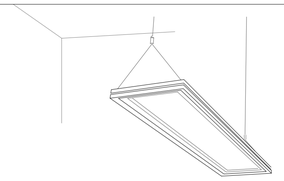
DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:57:00 AM E-501
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

LIGHT FIXTURE SCHEDULE

FIXTURE	LAMP INFORMATION		FIXTURE INFORMATION		LOAD	FIXTURE INFORMATION		NOTES
TYPE	TYPE	COLOR TEMP	FIXTURE LUMENS	VOLTAGE		DESCRIPTION	MOUNTING	
A1	LED	4000 K	3000 lm	120 V	25 VA	DIRECT/INDIRECT LED PENDANT	AIRCRAFT CABLE SUSPENSION, STEM SUSPENSION	MOUNT 8'-2" AFF
A2	LED	4000 K	4000 lm	120 V	25 VA	DIRECT/INDIRECT LED PENDANT	AIRCRAFT CABLE SUSPENSION	MOUNT 8'-2" AFF
B1	LED	4000 K	4500 lm	120 V	39 VA	4' LED STRIP	AIRCRAFT CABLE SUSPENSION	MOUNT 8' AFF
B2	LED	4000 K	3000 lm	120 V	30 VA	4' LED STRIP	CEILING, SURFACE	MOUNT 8' AFF
X1	LED	4000 K	0 lm	120 V	5 VA	WALL / CEILING MOUNTED LED EXIT SIGN	SURFACE, WALL / CEILING	



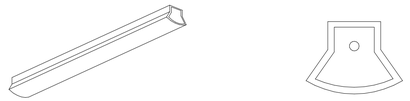
NOTE: THIS SKETCH IS A NON-PROPRIETARY GRAPHIC REPRESENTATION OF A LUMINAIRE THAT MAY MEET THE SPECIFICATION REQUIREMENTS. IT IS NOT INTENDED TO INDICATE A CERTAIN MANUFACTURER OR PREFERENCE.

LUMINAIRE REQUIREMENTS:

1. HOUSING - DIE CAST ALUMINUM FRAME AND HEAT SINK WITH ENAMELED FINISH. SIZE AS INDICATED IN LUMINAIRE SCHEDULE.
2. OPTICS - ACRYLIC OR POLYCARBONATE REFRACTIVE LENS. EDGE-LIT, LAMBERTIAN, NARROW, WIDE, OR ASYMMETRIC LIGHT DISTRIBUTION AS INDICATED IN LUMINAIRE SCHEDULE.
3. LIGHT SOURCE - SOLID STATE LEDS, 3500K CCT UON, MINIMUM 80 CRI UON, AND MINIMUM EFFICACY OF 75 LUMENS/WATT UON. INITIAL LUMEN OUTPUT AS INDICATED IN LUMINAIRE SCHEDULE.
4. DRIVER - REPLACEABLE, HIGH-EFFICIENCY DIMMABLE DRIVER WITH MINIMUM 0.9 PF, OPERATING VOLTAGE OF 120-277V, THERMAL MANAGEMENT, AND < 20% THD. ON-OFF CONTROL AND FULLY DIMMABLE DOWN TO 10% MINIMUM OR AS INDICATED IN LUMINAIRE SCHEDULE. INTEGRAL TO LUMINAIRE OR REMOTE-LOCATED IN ACCESSIBLE LOCATION.
5. CERTIFICATION - UL LISTED FOR DRY OR DAMP LOCATION, ROHS COMPLIANT, DLC QUALIFIED. COMPLIES WITH IES LM79, LM80 AND TM21 TESTING STANDARDS.
6. MOUNTING - AIRCRAFT CABLE SUSPENSION PENDANT OR STEM MOUNTED WITH STAINLESS STEEL MOUNTING HARDWARE.
7. OPTIONS - EMERGENCY BATTERY BACK-UP, VARIOUS PROFILE DIMENSIONS AND RUN LENGTHS, AND VARIOUS CLEAR OR FROSTED POLYCARBONATE LENSES, BAFFLES, OR LOUVERS.

DIRECT LED PENDANT [L]

REVISED: NOVEMBER 2020 | LIGHTING PLATE: TYPE: A1, A2

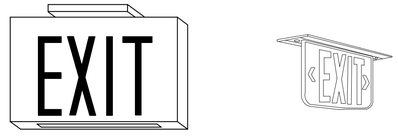


LUMINAIRE REQUIREMENTS:

1. HOUSING - ROLL-FORMED, COLD-ROLLED STEEL WITH DIE CAST END CAPS.
2. FINISH - POLYESTER POWDER COAT WITH SMOOTH, FINISHED EDGES
3. LENS - 100% IMPACT MODIFIED ACRYLIC, LINEAR FACETED REFRACTOR. REFRACTOR SYSTEM MUST INTEGRATE INDIVIDUAL LED IMAGES AND UNIFORMLY WASH LUMINAIRE SURFACE WITH LIGHT.
4. ELECTRONIC DRIVER - IES LM-80 PERFORMANCE FOR 60,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION. PROVIDE 0-10V DIMMING DRIVER FOR 5-100% DIMMING RANGE OR BI-LEVEL STEP-DIMMING IF INDICATED.
5. CERTIFICATION - UL LISTED AND LABELED
6. MOUNTING - SURFACE MOUNTED OR AIRCRAFT CABLE SUSPENSION.
7. OPTIONS - LUMINAIRE MUST HAVE AN INTEGRAL OCCUPANCY SENSOR

4' LED STRIP [LV]

REVISED: JANUARY 2014 | LIGHTING PLATE: TYPE: B1,B2



LUMINAIRE REQUIREMENTS:

1. HOUSING - DIE-FORMED 20 GAUGE STEEL HOUSING
2. FINISH - WHITE WITH 6" RED OR GREEN LETTERS AND RED OR GREEN CHEVRONS AS INDICATED.
3. OPTICS - UNIVERSAL DIRECTIONAL CHEVRONS. LEDS MOUNTED ON PRINTED CIRCUIT BOARD.
4. ELECTRICAL - PROVIDE CONSTANT-CURRENT SERIES CHARGING, BROWNOUT PROTECTION, CURRENT-LIMITING CHARGER WHICH COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION AND PROTECTION FROM DEEP DISCHARGING OF BATTERY.
5. CERTIFICATION - UL LISTED AND LABELED. UL 924, NFPA 101.
6. EMERGENCY PACK - SEALED, MAINTENANCE-FREE NICKEL-CADMIUM BATTERY DELIVERING 90-MINUTES OF CAPACITY.
7. DIAGNOSTICS - SINGLE MULTI-CHROMATIC LED INDICATOR TO DISPLAY CHARGING, TEST ACTIVATION AND DIAGNOSTIC STATUS. TEST SWITCH TO PROVIDE MANUAL ACTIVATION OF TESTING.
8. MOUNTING - UNIVERSAL MOUNTING KIT FOR CEILING, WALL OR END OF FIXTURE MOUNTING.

STANDARD LED EXIT SIGN [LV]

REVISED: JUNE 2019 | LIGHTING PLATE: TYPE: X1

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
Lic. No. 048109
07/31/2026
PROFESSIONAL ENGINEER

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PANAMA CITY, FLORIDA

LIGHTING DETAILS

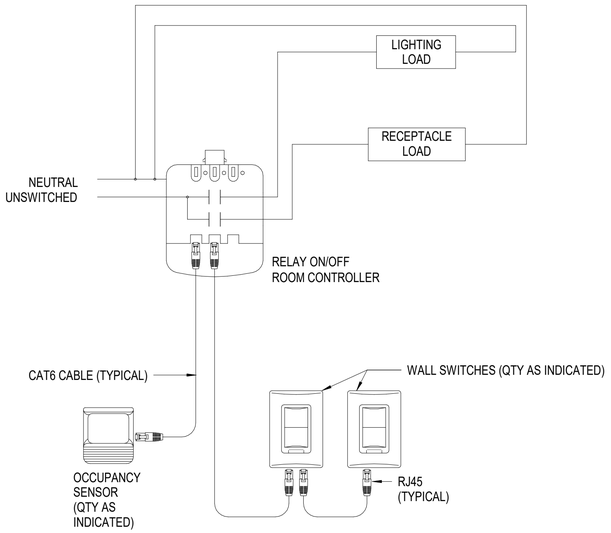
SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230872
SHEET 64 OF 98

E-502

DRAWFORM REVISION: 14 SEP 2023

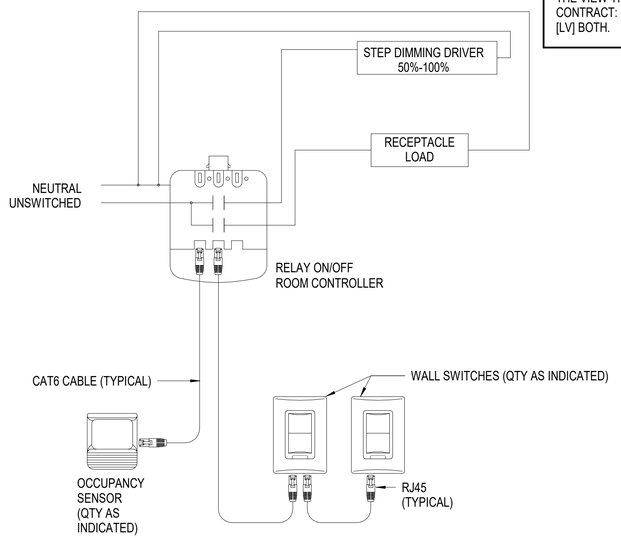
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NOTES:
1. SEE SHEET EL101 FOR SEQUENCE OF OPERATIONS.
2. PROVIDE NUMBER OF RELAYS AND RELAY CONTROLLERS AS REQUIRED TO ACHEIVE DESIRED SWITCHING.

C1 "OS1" CONTROL DIAGRAM [L]
NOT TO SCALE

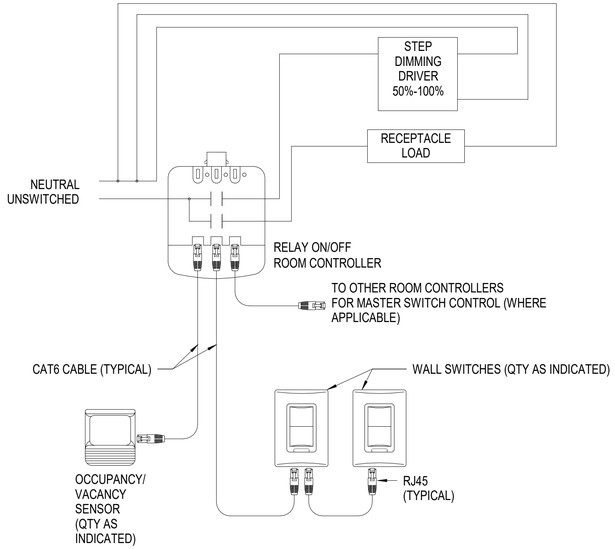


NOTES:
1. SEE SHEET EL101 FOR SEQUENCE OF OPERATIONS.
2. PROVIDE NUMBER OF RELAYS AND RELAY CONTROLLERS AS REQUIRED TO ACHEIVE DESIRED SWITCHING.

C2 "OS2" CONTROL DIAGRAM [LV]
NOT TO SCALE

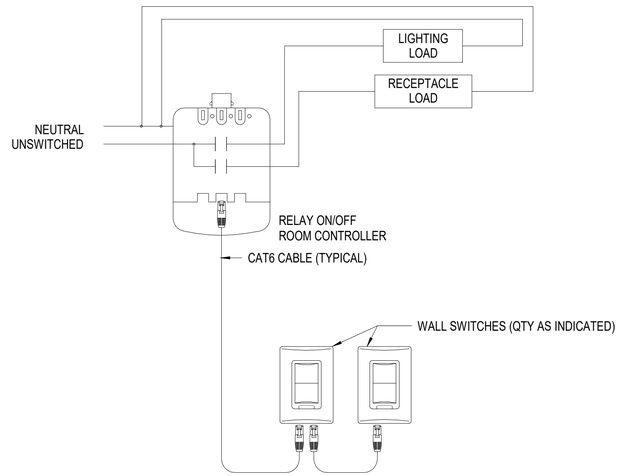
LIGHTING SEQUENCE OF OPERATIONS:

1. SPACES INDICATED WITH "OS1" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   A. OCCUPANCY SENSOR THAT TURNS LIGHTS AUTOMATICALLY ON TO 50% LEVEL AS OCCUPANT ENTERS THE ROOM WITHIN 3FT OF EACH ENTRY POINT.
   B. USER MUST HAVE CAPABILITY OF TURNING LIGHTS COMPLETELY OFF THROUGH LOCAL WALL SWITCH.
   C. LIGHTING MUST AUTOMATICALLY TURN OFF WHEN OCCUPANTS HAVE BEEN ABSENT FOR 20 MIN. SYSTEM MUST BE CAPABLE OF ADJUSTABLE DELAY OF 5-20 MIN.
2. SPACES INDICATED WITH "OS2" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   A. OCCUPANCY SENSOR THAT TURNS LIGHTS ON TO 100% LEVEL AS OCCUPANT ENTERS THE ROOM WITHIN 3FT OF EACH ENTRY POINT.
   B. USER MUST HAVE CAPABILITY OF TURNING LIGHTS COMPLETELY OFF THROUGH LOCAL WALL SWITCH.
   C. LIGHTING MUST AUTOMATICALLY DIM TO 50% WHEN OCCUPANTS HAVE BEEN ABSENT FOR 15 MIN. SYSTEM MUST BE CAPABLE OF ADJUSTABLE DELAY OF 5-20 MIN.
   D. IN CORRIDORS, STAIRWELLS, AND OTHER EGRESS PATHWAYS, LIGHTING LEVEL MUST NEVER DROP BELOW NFPA-101 REQUIRED MINIMUM.
3. SPACES INDICATED WITH "VS2" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   A. OCCUPANT MUST MANUALLY SWITCH LIGHTS ON. PROVIDE SINGLE BUTTON DIGITAL SWITCH.
   B. USER MUST HAVE CAPABILITY OF LIGHT LEVEL CONTROL TO 50%, 100%, OR OFF THROUGH LOCAL WALL SWITCH. PROVIDE A DUAL BUTTON, DIGITAL SWITCH. 1 BUTTON=50%, 2 BUTTON=100%.
   C. LIGHTING MUST AUTOMATICALLY TURN OFF WHEN OCCUPANTS HAVE BEEN ABSENT FOR 20 MIN. SYSTEM MUST BE CAPABLE OF ADJUSTABLE DELAY OF 5-15 MIN.
4. SPACES INDICATED WITH "SW" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   A. STANDARD LOCAL SNAP SWITCH FOR COMPLETE MANUAL ON-OFF CONTROL BY THE USER.



NOTES:
1. SEE SHEET EL101 FOR SEQUENCE OF OPERATIONS.
2. PROVIDE NUMBER OF RELAYS AND RELAY CONTROLLERS AS REQUIRED TO ACHIEVE DESIRED SWITCHING.

A2 "VS2" CONTROL DIAGRAM [LV]
NOT TO SCALE



NOTES:
1. SEE SHEET EL101 FOR SEQUENCE OF OPERATIONS.
2. PROVIDE NUMBER OF RELAYS AND RELAY CONTROLLERS AS REQUIRED TO ACHEIVE DESIRED SWITCHING.

A4 "SW" CONTROL DIAGRAM [L]
NOT TO SCALE

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NAVFAC

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JUSTIN MARK ROBINSON
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07/31/2026
PROFESSIONAL ENGINEER

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW
PM/DM					OAH/RSJ
BRANCH MANAGER					NAS
CHIEF ENG/ARCH					ADV
FIRE PROTECTION					JPH

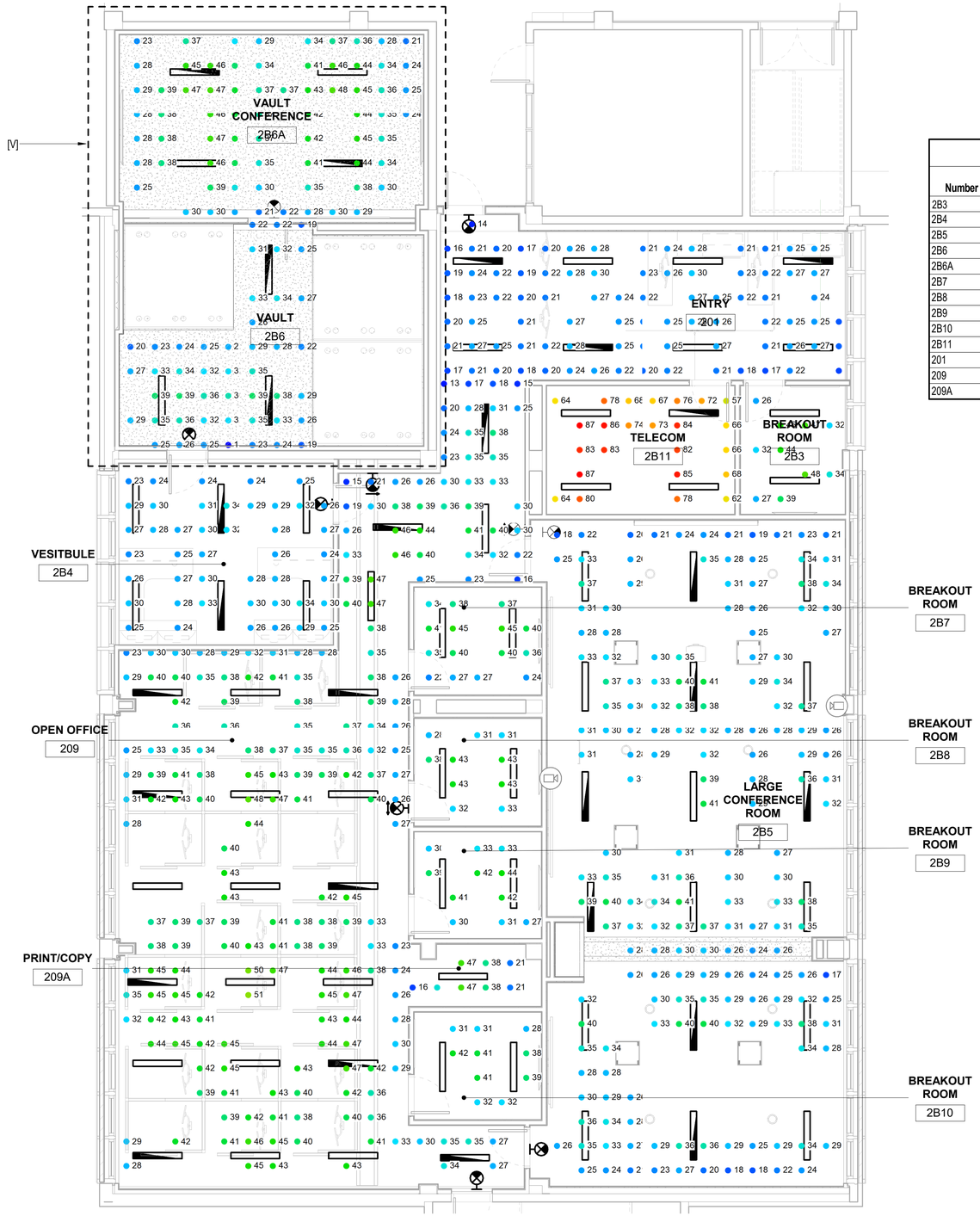
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
LIGHTING DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230873
SHEET 65 OF 98

E-503

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:57:03 AM E-503
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A1 LIGHTING CALCULATIONS [L]

3/16" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

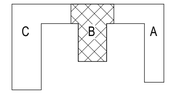
PHOTOMETRIC CALCULATIONS

Number	Name	Average	Maximum	Minimum	Average / Minimum	Maximum / Minimum
2B3	BREAKOUT ROOM	37 fc	48 fc	26 fc	1.4	1.8
2B4	VESITBULE	28 fc	35 fc	21 fc	1.3	1.7
2B5	LARGE CONFERENCE ROOM	30 fc	41 fc	17 fc	1.8	2.4
2B6	VAULT	29 fc	39 fc	11 fc	2.6	3.6
2B6A	VAULT CONFERENCE	35 fc	48 fc	18 fc	2.0	2.7
2B7	BREAKOUT ROOM	36 fc	45 fc	22 fc	1.6	2.0
2B8	BREAKOUT ROOM	36 fc	43 fc	27 fc	1.3	1.6
2B9	BREAKOUT ROOM	35 fc	44 fc	25 fc	1.4	1.7
2B10	BREAKOUT ROOM	35 fc	43 fc	26 fc	1.3	1.6
2B11	TELECOM	75 fc	87 fc	57 fc	1.3	1.5
201	ENTRY	23 fc	30 fc	11 fc	2.1	2.7
209	OPEN OFFICE	37 fc	51 fc	13 fc	2.9	4.0
209A	PRINT/COPY	33 fc	47 fc	16 fc	2.0	2.9

SHEET NOTES

1. REFER TO SHEET E-001 FOR LEGEND, ABREVIATIONS AND GENERAL NOTES.
2. REFER TO SHEET EL501 FOR LUMINAIRE SCHEDULES AND DETAILS.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

3/16" =1'-0" 0' 4' 8' 12'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

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FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PANAMA CITY, FLORIDA

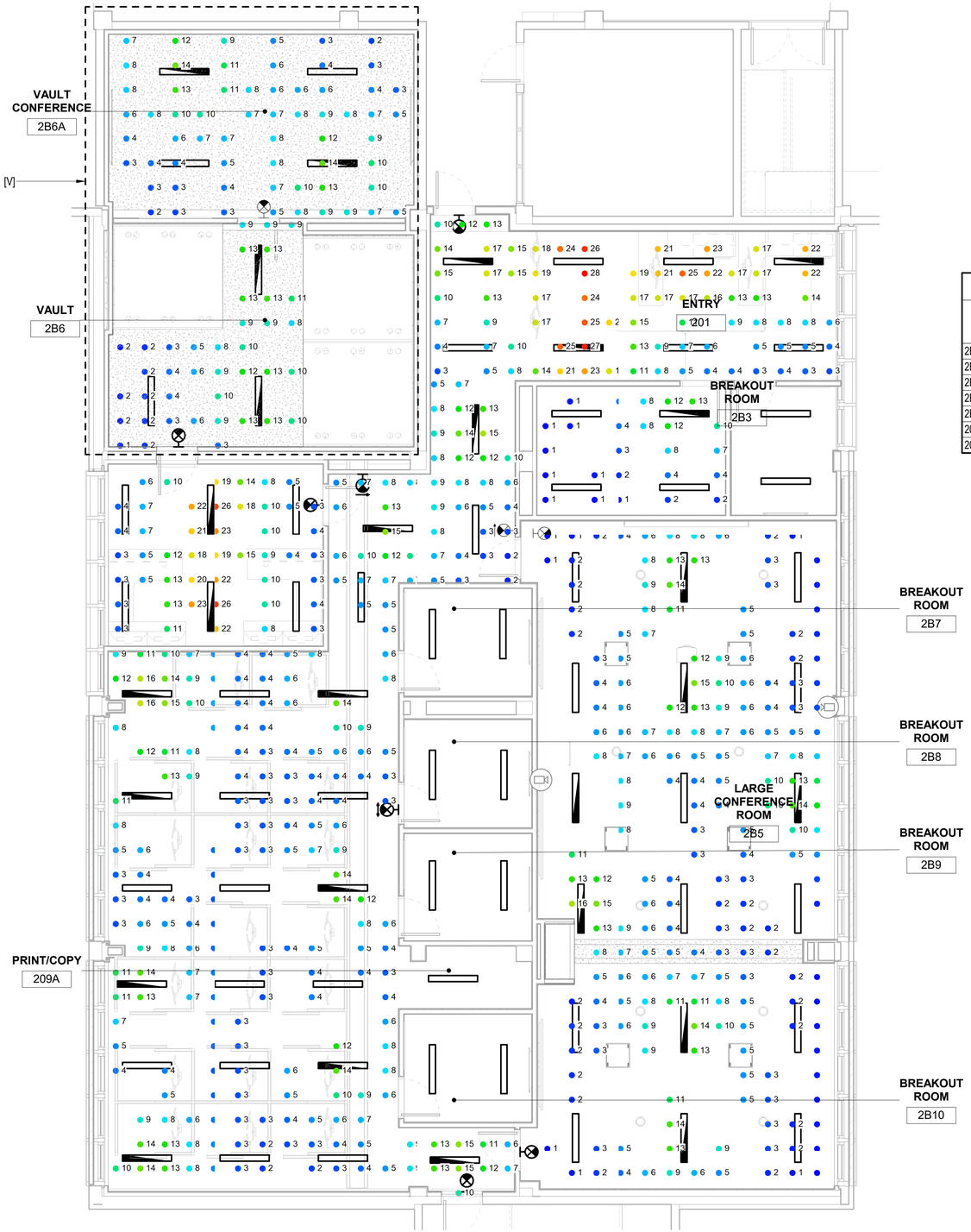
LIGHTING LEVEL CALCULATIONS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230874
SHEET	66 OF 98

E-504

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:57:12 AM E-504
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

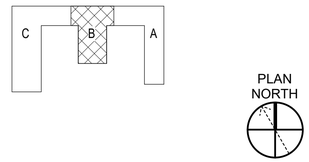
EMERGENCY PHOTOMETRIC CALCULATIONS

Number	Name	Average	Emergency Illuminance Maximum	Emergency Illuminance Minimum
2B4	VESITBULE	11 fc	26 fc	3 fc
2B5	LARGE CONFERENCE ROOM	6 fc	16 fc	1 fc
2B6	VAULT	8 fc	15 fc	1 fc
2B6A	VAULT CONFERENCE	7 fc	14 fc	2 fc
2B11	TELECOM	4 fc	13 fc	1 fc
201	ENTRY	14 fc	28 fc	3 fc
209	OPEN OFFICE	7 fc	16 fc	2 fc

SHEET NOTES

1. REFER TO SHEET E-001 FOR LEGEND, ABREVIATIONS AND GENERAL NOTES.
2. REFER TO SHEET EL501 FOR LUMINAIRE SCHEDULES AND DETAILS.

KEYPLAN



GRAPHIC SCALE(S)

3/16" =1'-0" 0' 4' 8' 12'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
Lic. No. 048109
07/31/2026
PROFESSIONAL ENGINEER

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
EMERGENCY LIGHTING LEVEL CALCULATIONS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230875
SHEET	67 OF 98

E-505

DRAWFORM REVISION: 14 SEP 2023

A1 LIGHTING CALCULATIONS - EMERGENCY [L]
3/16" = 1'-0"

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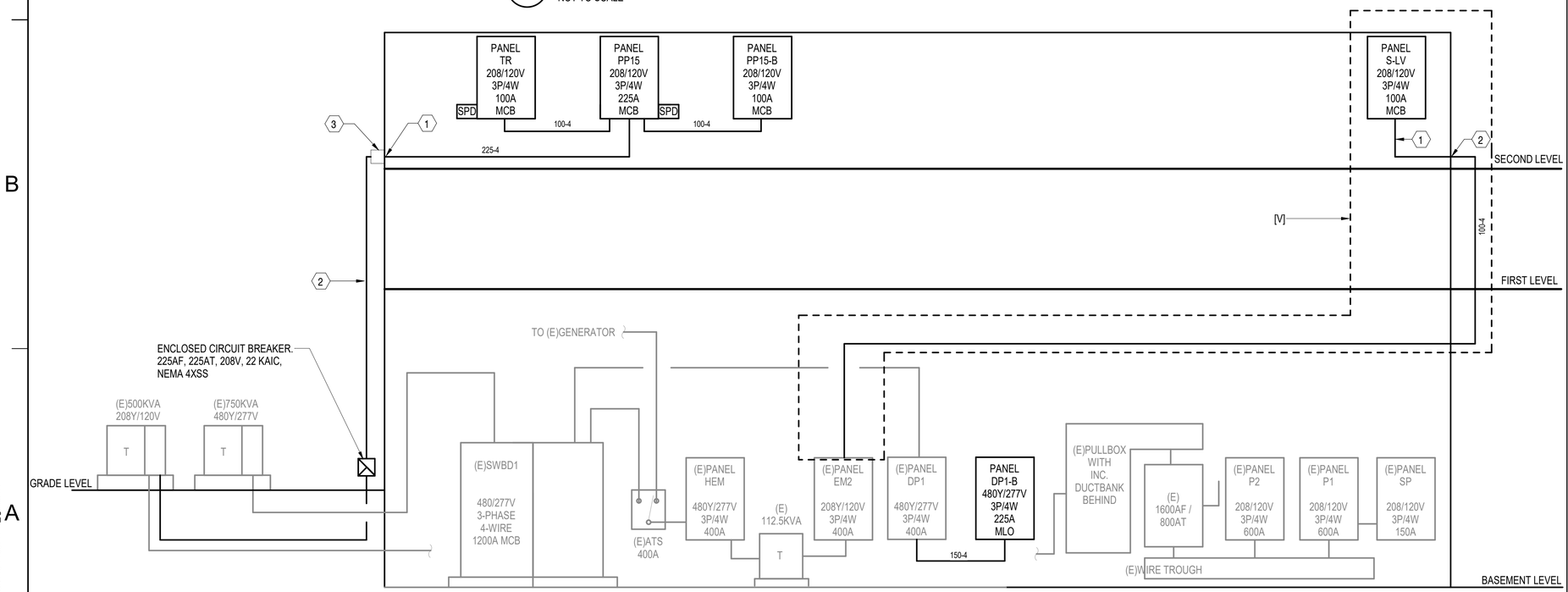
FEEDER AND BRANCH CIRCUIT SCHEDULE - COPPER

MARK	# OF SETS	PHASE CONDUCTORS	EQUIP. GROUND CONDUCTOR	3PH / 4W CONDUIT SIZE	3PH / 3W CONDUIT SIZE	1PH / 2W CONDUIT SIZE
20	1	#12	#12	3/4"	3/4"	3/4"
30	1	#10	#10	3/4"	3/4"	3/4"
35	1	#8	#10	1"	3/4"	3/4"
40	1	#8	#10	1"	3/4"	3/4"
45	1	#6	#10	1"	1"	3/4"
50	1	#6	#10	1"	1"	3/4"
60	1	#4	#8	1-1/4"	1"	3/4"
65	1	#4	#8	1-1/4"	1"	3/4"
70	1	#4	#8	1-1/4"	1-1/4"	1"
80	1	#3	#8	1-1/4"	1-1/4"	1"
85	1	#3	#8	1-1/4"	1-1/4"	1"
90	1	#2	#8	1-1/2"	1-1/2"	1-1/4"
100	1	#1	#6	1-1/2"	1-1/2"	1-1/4"
115	1	#1	#6	1-1/2"	1-1/2"	N/A
130	1	#1	#6	1-1/2"	1-1/2"	N/A
150	1	#1/0	#6	2"	1-1/2"	N/A
175	1	#2/0	#6	2"	2"	N/A
200	1	#3/0	#6	2-1/2"	2"	N/A
225	1	#4/0	#4	2-1/2"	2"	N/A
250	1	250 KCMIL	#4	3"	2-1/2"	N/A
300	1	350 KCMIL	#4	3"	3"	N/A
350	1	500 KCMIL	#3	3-1/2"	3"	N/A
400	1	600 KCMIL	#3	3-1/2"	3-1/2"	N/A
400	2	#3/0	#3	2-1/2"	2-1/2"	N/A
500	2	250 KCMIL	#2	3"	2-1/2"	N/A
600	2	350 KCMIL	#1	3"	3"	N/A
700	2	500 KCMIL	#1/0	3-1/2"	3"	N/A
700	3	250 KCMIL	#1/0	3"	3"	N/A
800	2	600 KCMIL	#1/0	3-1/2"	3-1/2"	N/A
800	3	300 KCMIL	#1/0	3"	3"	N/A
1000	3	400 KCMIL	#2/0	3-1/2"	3"	N/A
1000	4	250 KCMIL	#2/0	3"	3"	N/A
1200	4	350 KCMIL	#3/0	3"	3"	N/A

C2 CONDUCTOR TABLE

NOT TO SCALE

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A1 RISER DIAGRAM [L]

NOT TO SCALE

SHEET NOTES

1. SEE SHEET E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES

SHEET KEYNOTES

1. REFER TO C1/A-603 FOR PENETRATION DETAIL.
2. CIRCUIT TRANSITIONS TO EXTERIOR MOUNTED ON BUILDING FROM SERVICE ENTRANCE RATED ENCLOSED CIRCUIT BREAKER THEN ALONG SIDE REFRIGERANT LINES BUILDING MOUNTED UP TO THE SECOND FLOOR'S CEILING, AND THEN TURN INTO THE BUILDING ABOVE THE CEILING AT PULLBOX.
3. PROVIDE A NEMA 4XXSS LB CONDULETS AT 9' AFF OF THE SECOND FLOOR FOR CONDUIT FROM PADMOUNTED TRANSFORMER. REFER TO C1/A-603 FOR WALL PENETRATION.
4. PROVIDE PENETRATION INTO VAULT FOR S-LV FEEDER. COORDINATE PENETRATION LOCATION WITH MECHANICAL DUCTS; REFER TO SHEET M-101.

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
Lic. No. 048109
07/31/2026
PROFESSIONAL ENGINEER

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES JMR | DRW LJG | CHK LAW

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BRANCH MANAGER NAS

CHIEF ENG/ARCH ADV

FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PARTIAL RISER DIAGRAMS

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
15230876
SHEET 68 OF 98

E-600

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:57:22 AM E-600
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

[L] PANELBOARD: PP15

LOCATION: OPEN OFFICE
SUPPLY FROM: (E) 500KVA 208Y/120V TRANSFORMER
MOUNTING: RECESSED
ENCLOSURE: TYPE 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 22,000
MAINS TYPE: MCB
MAINS RATING: 225 A
MCB RATING: 225 A

NOTES:
SERVICE ENTRANCE RATED PANELBOARD.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	1	LIGHTING	2 #10, #10G IN 1/2" C	4 A	4 A					2 #10, #10G IN 1/2" C	LIGHTING	1	20	2
3	20	1	SYS. FURN: OPEN OFFICE	2 #10, #10G IN 1/2" C			2 A	2 A			2 #10, #10G IN 1/2" C	DDC CONTROLLER	1	20	4
5	20	1	SYS. FURN: OPEN OFFICE	2 #12, #12G IN 1/2" C					3 A	5 A	2 #10, #10G IN 1/2" C	SYS. FURN: OPEN OFFICE	1	20	6
7	20	1	PROJECTOR RECEPT	2 #12, #12G IN 1/2" C	2 A	5 A					2 #10, #10G IN 1/2" C	SYS. FURN: OPEN OFFICE	1	20	8
9	20	1	SYS. FURN: OPEN OFFICE	2 #10, #10G IN 1/2" C			5 A	6 A			2 #10, #8N, #10G IN 3/4" C	SYS. FURN: OPEN OFFICE	2	20	10
11	20	2	SYS. FURN: OPEN OFFICE	2 #10, #8N, #10G IN 3/4" C					3 A	6 A					12
13					3 A	74 A									14
15							55 A	50 A			SEE PARTIAL RISER DIAGRAM E-600	TR-1	3	100	16
17	100	3	PP15-B	SEE PARTIAL RISER DIAGRAM E-600					49 A	47 A					18
19					49 A	5 A									20
21							5 A	5 A			3 #12, #8N, #12G IN 3/4" C	SYS. FURN: OPEN OFFICE	3	20	22
23	20	3	SYS. FURN: OPEN OFFICE	3 #12, #8N, #12G IN 3/4" C					5 A	5 A					24
25					5 A	2 A					2 #12, #12G IN 1/2" C	RECEPT LARGE CONFERENCE ROOM 2B5	1	20	26
27							5 A	6 A			2 #12, #12G IN 1/2" C	MOTORIZED ROLLER SHADE	1	20	28
29	20	3	SYS. FURN: OPEN OFFICE	3 #12, #8N, #12G IN 3/4" C					5 A	14 A	2 #12, #12G IN 1/2" C	MOTORIZED ROLLER SHADE	1	20	30
31					5 A	8 A					2 #10, #10G IN 1/2" C	MOTORIZED ROLLER SHADE	1	20	32
33	20	1	LIGHTING OPEN OFFICE 209	2 #10, #10G IN 1/2" C			8 A	0 A				SPARE	1	20	34
35	20	1	SPARE						0 A	0 A		SPARE	1	20	36
37					0 A	0 A						SPARE	1	20	38
39	30	3	SPD	PER MANUFACTURER'S INSTRUCTIONS			0 A	0 A				SPARE	1	20	40
41									0 A	0 A		SPARE	1	20	42
				TOTAL AMPS:	165 A		148 A		141 A						
				IMBALANCE PERCENTAGE:	10 %		-1 %		-6 %						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	150 A
TOTAL ESTIMATED DEMAND CURRENT:	124 A
DEMAND WITH EXPANSION:	149 A

[L] PANELBOARD: (E) PANEL P2

LOCATION: BASEMENT
SUPPLY FROM: WIRE TROUGH
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 42,000
MAINS TYPE: MLO
MAINS RATING: 400 A

NOTES:

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1					0 A	0 A									2
3	225	3	EXISTING	EXISTING			0 A	0 A			EXISTING	EXISTING	3	225	4
5									0 A	0 A					6
7					0 A	0 A									8
9	225	3	EXISTING	EXISTING			0 A	0 A			EXISTING	EXISTING	3	225	10
11									0 A	0 A					12
13					0 A	0 A									14
15	225	3	EXISTING	EXISTING			0 A	0 A			EXISTING	EXISTING	3	225	16
17									0 A	0 A					18
19					0 A										20
21	225	3	EXISTING	EXISTING			0 A								22
23									0 A						24
				TOTAL AMPS:	0 A		0 A		0 A						
				IMBALANCE PERCENTAGE:	%		%		%						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	0 A
TOTAL ESTIMATED DEMAND CURRENT:	0 A
DEMAND WITH EXPANSION:	0 A

[L] PANELBOARD: PP15-B

LOCATION: OPEN OFFICE
SUPPLY FROM: PP15
MOUNTING: RECESSED
ENCLOSURE: TYPE 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 22,000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

NOTES:

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	1	RECEPT ENTRY 201	2 #12, #12G IN 1/2" C	6 A	5 A					2 #12, #12G IN 1/2" C	COPIER	1	20	2
3	20	1	RECEPT BREAKOUT ROOM 2B10	2 #10, #10G IN 1/2" C			8 A	5 A			2 #12, #12G IN 1/2" C	OPEN OFFICE	1	20	4
5	20	1	RECEPT BREAKOUT ROOM 2B9	2 #12, #12G IN 1/2" C					8 A	0 A		SPARE	1	20	6
7	20	1	COPIER	2 #10, #10G IN 1/2" C	2 A	0 A						SPARE	1	20	8
9	20	1	SPARE				0 A	2 A			2 #12, #12G IN 1/2" C	RECEPT LARGE CONFERENCE ROOM 2B5	1	20	10
11	20	1	SPARE						0 A	2 A	2 #12, #12G IN 1/2" C	RECEPT LARGE CONFERENCE ROOM 2B5	1	20	12
13	20	1	SYS. FURN: OPEN OFFICE	2 #8, 8G IN 3/4" C	5 A	8 A					2 #10, #10G IN 1/2" C	RECEPT BREAKOUT ROOM 2B7	1	20	14
15	20	1	SYS. FURN: OPEN OFFICE	2 #8, 8G IN 3/4" C			5 A	8 A			2 #12, #12G IN 1/2" C	RECEPT BREAKOUT ROO 2B8	1	20	16
17	20	1	RECEPT VESTIBULE 2B4	2 #12, #12G IN 1/2" C					8 A	6 A	2 #10, #10G IN 1/2" C	RECEPT LARGE CONFERENCE ROOM	1	20	18
19	20	1	RECEPT LARGE CONFERENCE ROOM	2 #10, #10G IN 1/2" C	11 A	5 A									20
21	20	1	RECEPT LARGE CONFERENCE ROOM	2 #10, #10G IN 1/2" C			9 A	5 A			3 #12, #8N, #12G IN 3/4" C	SYS. FURN: OPEN OFFICE	3	20	22
23	20	1	RECEPT OPEN OFFICE	2 #8, 8G IN 3/4" C					14 A	5 A					24
25					5 A	2 A					2 #10, #10G IN 1/2" C	RECEPT LARGE CONFERENCE ROOM	1	20	26
27	20	3	SYS. FURN: OPEN OFFICE	3 #12, #8N, #12G IN 3/4" C			5 A	3 A			3 #10, #8N, #10G IN 3/4" C	SYS. FURN: ENTRY 201	2	20	28
29									5 A	3 A					30
31	20	1	RECEPT BREAKOUT ROOM 2B3	2 #12, #12G IN 3/4" C	8 A	2 A					2 #12, 12G IN 1/2" C	SYS. FURN: ENTRY 201	1	20	32
33	20	1	SPARE				0 A	2 A			2 #12, #12G IN 1/2" C	MOTORIZED PROJECTION SCREEN	1	20	34
35	--	1	SPACE						--	0 A		SPARE	1	20	36
37	20	1	SPARE		0 A	0 A						SPARE	1	20	38
39	20	1	SPARE				0 A	0 A				SPARE	1	20	40
41	20	1	SPARE						0 A	0 A		SPARE	1	20	42
				TOTAL AMPS:	55 A		49 A		49 A						
				IMBALANCE PERCENTAGE:	8 %		-3 %		-3 %						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	51 A
TOTAL ESTIMATED DEMAND CURRENT:	43 A
DEMAND WITH EXPANSION:	51 A

[L] PANELBOARD: TR

LOCATION: TELECOM RM
SUPPLY FROM: PP15
MOUNTING: SURFACE
ENCLOSURE: TYPE 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10,000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

NOTES:

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	30	2	RECEPT TELECOM RACK	3 #10, #10G IN 3/4" C	10 A	10 A					3 #10, #10G IN 3/4" C	RECEPT TELECOM RACK	2	30	2
3							10 A	10 A							4
5	30	2	RECEPT TELECOM RACK	3 #10, #10G IN 3/4" C					10 A	10 A	3 #10, #10G IN 3/4" C	RECEPT TELECOM RACK	2	30	6
7					10 A	10 A									8
9	30	2	RECETP TELECOM RACK	3 #10, #10G IN 3/4" C			10 A	10 A			3 #10, #10G IN 3/4" C	RECEPT TELECOM RACK	2	30	10
11									10 A	10 A					12
13	30	2	CU-1	3 #10, #10G IN 3/4" C	15 A	14 A					2 #12, #12G IN 1/2" C	RECEPT TELECOMM ROOM	1	20	14
15							15 A	3 A			2 #10, #10G IN 1/2" C	ESS PANEL	1	20	16
17	30	2	CU-2	3 #10, #10G IN 3/4" C					15 A	0 A		SPARE	1	20	18
19					15 A	0 A						SPARE	1	20	20
21	20	1	SPARE				0 A	0 A				SPARE	1	20	22
23	20	1	SPARE						0 A	0 A		SPARE	1	20	24
25	20	1	SPARE		0 A	0 A						SPARE	1	20	26
27	20	1	SPARE				0 A	0 A				SPARE	1	20	28
29	20	1	SPARE						0 A	0 A		SPARE	1	20	30
31	20	1	SPARE		0 A	0 A						SPARE	1	20	32
33	20	1	SPARE				0 A	0 A				SPARE	1	20	34
35	20	1	SPARE						0 A	0 A		SPARE	1	20	36
37	20	1	SPARE		0 A	0 A									38
39	20	1	SPARE				0 A	0 A			PER MANUFACTURER'S INSTRUCTIONS	SPD	3	30	40
41	20	1	SPARE						0 A	0 A					42
				TOTAL AMPS:	74 A		50 A		47 A						
				IMBALANCE PERCENTAGE:	31 %		-11 %		-17 %						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	56 A
TOTAL ESTIMATED DEMAND CURRENT:	51 A
DEMAND WITH EXPANSION:	61 A

PANELBOARD: (E) PANEL EM2

LOCATION: BASEMENT
SUPPLY FROM: (E) T-112.5KVA
MOUNTING: SURFACE
ENCLOSURE: TYPE 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 65,000
MAINS TYPE: MCB
MAINS RATING: 400 A
MCB RATING: 400 A

NOTES:
1. REPLACE EXISTING 225A, 3P SPARE BREAKER WITH 100A, 3P BREAKER.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	--	1	SPACE		--	0 A									2
3	--	1	SPACE				--	0 A			EXISTING	(E) AUDITORIUM/FUTURE PANEL	3	200	4
5	--	1	SPACE						--	0 A					6
7					0 A	--						SPACE	1	--	8
9	150	3	(E) STILO PANEL	EXISTING			0 A	--				SPACE	1	--	10
11									0 A	--		SPACE	1	--	12
13	--	1	SPACE		--	0 A									14
15	--	1	SPACE				--	0 A			EXISTING	(E) PHONE PANEL	3	200	16
17	--	1	SPACE						--	0 A					18
19					0 A	54 A									20
21	150	3	(E) COMM.ROOM/ GEN. ROOM	EXISTING			0 A	46 A			SEE PARTIAL RISER DIAGRAM E-600	PANEL S-LV	3	100	22
23									0 A	20 A					24
25	--	1	SPACE		--	--						SPACE	1	--	26
27	20	1	SPACE				0 A	0 A				SPARE	1	20	28
29	--	1	SPACE						--	--		SPACE	1	--	30
31	--	1	SPACE		--	0 A						EXISTING	1	20	32
33	20	1	SPACE				0 A	0 A				SPARE	1	20	34
35	--	1	SPACE						--	0 A		SPARE	1	20	36
37	--	1	SPACE		--	0 A						SPARE	1	20	38
39	20	1	SPACE				0 A	0 A				SPARE	1	20	40
41	--	1	SPACE						--	0 A		EXISTING	1	20	42
				TOTAL AMPS:	54 A		46 A		20 A						
				IMBALANCE PERCENTAGE:	44 %		23 %		-47 %						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	37 A
TOTAL ESTIMATED DEMAND CURRENT:	38 A
DEMAND WITH EXPANSION:	45 A

[V]

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

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SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES JMR | DRW LJG | CHK LAW
PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230877
SHEET 69 OF 98

E-700

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:57:22 AM E-700
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

[L]

PANELBOARD: (E) PANEL SP

LOCATION: BASEMENT
SUPPLY FROM: (E) PANEL P1
MOUNTING: SURFACE
ENCLOSURE: TYPE 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10,000
MAINS TYPE: MLO
MAINS RATING: 225 A

NOTES:

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1					0 A	0 A					EXISTING	EXISTING	1	20	2
3	60	3	EXISTING	EXISTING			0 A	0 A			EXISTING	EXISTING	1	20	4
5									0 A	--		SPACE	1	--	6
7	50	2	EXISTING	EXISTING	0 A	0 A					EXISTING	EXISTING	1	20	8
9							0 A	0 A			EXISTING	EXISTING	2	20	10
11	20	1	EXISTING	EXISTING					0 A	0 A					12
13	20	1	OUTDOOR RECEPT	2 #8, #8G IN 3/4" C	5 A	--						SPACE	1	--	14
15	--	1	SPACE				--	--				SPACE	1	--	16
17	--	1	SPACE						--	--		SPACE	1	--	18
19	--	1	SPACE		--	--						SPACE	1	--	20
21	--	1	SPACE				--	--				SPACE	1	--	22
23	--	1	SPACE						--	--		SPACE	1	--	24
25	--	1	SPACE		--	--						SPACE	1	--	26
27	--	1	SPACE				--	--				SPACE	1	--	28
29	--	1	SPACE						--	--		SPACE	1	--	30
31	--	1	SPACE		--	--						SPACE	1	--	32
33	--	1	SPACE				--	--				SPACE	1	--	34
35	--	1	SPACE						--	--		SPACE	1	--	36
37	--	1	SPACE		--	--						SPACE	1	--	38
39	--	1	SPACE				--	--				SPACE	1	--	40
41	--	1	SPACE						--	--		SPACE	1	--	42
				TOTAL AMPS:	5 A		0 A		0 A						
				IMBALANCE PERCENTAGE:	201 %		-100 %		-100 %						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	1 A
TOTAL ESTIMATED DEMAND CURRENT:	1 A
DEMAND WITH EXPANSION:	2 A

[L]

PANELBOARD: DP1-B

LOCATION: BASEMENT
SUPPLY FROM: (E) PANEL DP1
MOUNTING: SURFACE
ENCLOSURE: TYPE 1

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 65,000
MAINS TYPE: MLO
MAINS RATING: 225 A

NOTES:
1. CONNECT CIRCUIT BREAKER AND LOAD RETAINED FROM DEMOLITION.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1					0 A	0 A						SPARE	1	20	2
3	30	3	(E) NORTH COOLING TOWER FAN	EXISTING, NOTE 1			0 A	0 A				SPARE	1	20	4
5									0 A	0 A		SPARE	1	20	6
7	80	3	AHU-2B-1	3 #3, #8G IN 1-1/4"C	61 A	0 A						SPARE	1	20	8
9							61 A	0 A				SPARE	1	20	10
11									61 A	0 A		SPARE	1	20	12
				TOTAL AMPS:	61 A		61 A		61 A						
				IMBALANCE PERCENTAGE:	1 %		1 %		1 %						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	61 A
TOTAL ESTIMATED DEMAND CURRENT:	43 A
DEMAND WITH EXPANSION:	51 A

[L]

PANELBOARD: (E) DP1

LOCATION: BASEMENT
SUPPLY FROM: (E) PANEL DP
MOUNTING: SURFACE
ENCLOSURE: TYPE 1

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 65,000
MAINS TYPE: MLO
MAINS RATING: 400 A

NOTES:

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1					0 A	0 A									2
3	100	3	(E) TRANSFORMER FEED OC 16	EXISTING			0 A	0 A			EXISTING	(E) SOUTH COOLING TOWER FAN	3	30	4
5									0 A	0 A					6
7					0 A	61 A									8
9	30	3	(E) COOLING TOWER SEPERATOR	EXISTING			0 A	61 A			4 #1/0, #6 G IN 2" C	PANEL DP1-B	3	150	10
11									0 A	61 A					12
				TOTAL AMPS:	62 A		62 A		62 A						
				IMBALANCE PERCENTAGE:	1 %		1 %		1 %						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	62 A
TOTAL ESTIMATED DEMAND CURRENT:	43 A
DEMAND WITH EXPANSION:	52 A

PANELBOARD: (E) PANEL HEM

LOCATION:
SUPPLY FROM:
MOUNTING: SURFACE
ENCLOSURE: TYPE 1

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 65,000
MAINS TYPE: MLO
MAINS RATING: 400 A

NOTES:

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1					0 A	0 A									2
3	35	3	(E) TVSS	EXISTING			0 A	0 A			EXISTING	(E) T-112.5KVA	3	150	4
5									0 A	0 A					6
7					0 A	0 A									8
9	175	3	(E) PANEL"P" SEA-TEC	EXISTING			0 A	0 A			EXISTING	UNKNOWN	3	20	10
11									0 A	0 A					12
13					0 A	0 A									14
15	60	3	(E) ELEVATOR MAIN	EXISTING			0 A	0 A			EXISTING	(E) HEAT TRAY CHILLER 2	3	20	16
17									0 A	0 A					18
19	--	1	SPACE		--	30 A									20
21	--	1	SPACE				--	30 A			3 #8, #10G IN 3/4"C	AHU-2B-2	3	40	22
23	--	1	SPACE						--	30 A					24
25	--	1	SPACE									SPACE	1	--	26
27	--	1	SPACE				--	--				SPACE	1	--	28
29	--	1	SPACE						--	--		SPACE	1	--	30
31	--	1	SPACE		--	--						SPACE	1	--	32
33	--	1	SPACE				--	--				SPACE	1	--	34
35	--	1	SPACE						--	--		SPACE	1	--	36
37	--	1	SPACE		--	--						SPACE	1	--	38
39	--	1	SPACE				--	--				SPACE	1	--	40
41	--	1	SPACE						--	--		SPACE	1	--	42
				TOTAL AMPS:	31 A		31 A		31 A						
				IMBALANCE PERCENTAGE:	1 %		1 %		1 %						

[V]

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	31 A
TOTAL ESTIMATED DEMAND CURRENT:	22 A
DEMAND WITH EXPANSION:	26 A

PANELBOARD: S-LV

LOCATION: VAULT ROOM 2B6
SUPPLY FROM: (ETR) PANEL HEM
MOUNTING: SURFACE
ENCLOSURE: TYPE 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 10,000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

NOTES:

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	1	LIGHTING	2 #12, #12G IN 1/2" C	2 A	6 A					2 #10, #10G IN 1/2" C	RECEPT VAULT CONFERENCE 2B6A	1	20	2
3	20	1	RECEPT VAULT ROOM 2B6A	2 #10, #10G IN 1/2" C			12 A	5 A			2 #12, #12G IN 1/2" C	RECEPT VAULT ROOM 2B6	1	20	4
5	20	1	RECEPT VAULT ROOM 2B6A	2 #10, #10G IN 1/2" C					2 A	2 A	2 #12, #12G IN 1/2" C	PRINTER	1	20	6
7	20	1	POD RECEPT	2 #12, #12G IN 1/2" C	16 A	16 A					2 #12, #12G IN 1/2" C	POD RECEPT	1	20	8
9	20	1	POD RECEPT	2 #12, #12G IN 1/2" C			16 A	10 A							10
11	30	2	RECEPT TELECOM RACK	2 #10, #10G IN 1/2" C					10 A	10 A	2 #10, #10G IN 1/2" C	RECEPT TELECOM RACK	2	30	12
13					10 A	2 A					2 #12, #12G IN 1/2" C	ESS PANEL	1	20	14
15	20	1	RECEPT VAULT CONFERENCE 2B6A	2 #12, #12G IN 1/2" C			2 A	--				SPACE	1	--	16
17	--	1	SPACE						--	--		SPACE	1	--	18
19	--	1	SPACE		--	--						SPACE	1	--	20
21	--	1	SPACE				--	--				SPACE	1	--	22
23	--	1	SPACE						--	--		SPACE	1	--	24
25	--	1	SPACE		--	--						SPACE	1	--	26
27	--	1	SPACE				--	--				SPACE	1	--	28
29	--	1	SPACE						--	--		SPACE	1	--	30
31	--	1	SPACE		--	--						SPACE	1	--	32
33	--	1	SPACE				--	--				SPACE	1	--	34
35	20	1	SPARE						0 A	0 A		SPARE	1	20	36
37	20	1	SPARE		0 A	0 A						SPARE	1	20	38
39	20	1	SPARE				0 A	0 A				SPARE	1	20	40
41	20	1	SPARE						0 A	0 A		SPARE	1	20	42
				TOTAL AMPS:	54 A		46 A		20 A						
				IMBALANCE PERCENTAGE:	44 %		23 %		-47 %						

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	37 A
TOTAL ESTIMATED DEMAND CURRENT:	38 A
DEMAND WITH EXPANSION:	45 A

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN MARK ROBINSON
Lic. No. 048109
07/31/2026
PROFESSIONAL ENGINEER

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	JMR	DRW	LJG	CHK	LAW

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
15230878

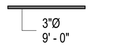
SHEET 70 OF 98

E-701

DRAW:FORM REVISION: 14 SEP 2023

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SYMBOLS - COMMUNICATION



CONDUIT.
3"Ø - CONDUIT DIAMETER
9' - 0" - ELEVATION ABOVE FINISHED FLOOR



CABLE TRAY. TYPE AND MOUNTING HEIGHT AS INDICATED ON PLANS. NETWORK TYPE WITH '/' IS DIVIDED TRAY.

BT - BASKET TRAY
LT - LADDER TRAY
CR - CABLE RUNWAY



VERTICAL CABLE TRAY

BT = CABLE TRAY TYPE
LT - LADDER TRAY
CR - CABLE RUNWAY
9'-0" = STARTING MOUNTING HEIGHT AFF
11'-0" = END MOUNTING HEIGHT AFF



PULL BOX. TYPE AND MOUNTING HEIGHT AS INDICATED ON PLANS. TAG INDICATES ID AND SIZE.



RECESSED MOUNTED DATA OUTLET. NUMBER INDICATES OUTLET TYPE. SEE TN501 FOR DETAILS.



SURFACE MOUNTED DATA OUTLET. NUMBER INDICATES OUTLET TYPE. SEE TN501 FOR DETAILS.

FURNITURE MOUNTED OUTLET. NUMBER INDICATES OUTLET TYPE. SEE TN501 FOR DETAILS.



RECESSED MOUNTED FURNITURE FEED JUNCTION BOX, 18" AFF, UON. SEE DETAIL A1/TN501.
- #: INDICATES OUTLET TYPES SERVED. DO NOT MIX CABLING BETWEEN OUTLET TYPES.



EQUIPMENT CABINET WITH DOOR SWING AND CLEARANCES SHOWN. REFER TO SCHEDULES AND ELEVATIONS FOR ADDITIONAL INFORMATION.

SYMBOLS - ELECTRONIC SECURITY



ELECTRONIC SECURITY DOOR INFRASTRUCTURE CALLOUT. SEE TY500 SERIES SHEET FOR DETAILS.



JUNCTION BOXES

J	RECESSED JUNCTION BOX, WALL MOUNTED
H J	SURFACE JUNCTION BOX, WALL MOUNTED
J	JUNCTION BOX RECESSED IN FLOOR
J	JUNCTION BOX MOUNTED ABOVE CEILING, UON

SYMBOL MODIFIERS

C	RECESSED IN CEILING
EP/EXP	EXPLOSION PROOF
F	RECESSED IN FLOOR
W	WALL MOUNTED, 48" AFF UON
WP	WEATHERPROOF
WPIU	WEATHERPROOF IN USE

ABBREVIATIONS

ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AV	AUDIO/VIDEO
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BBC	BACKBONE BONDING CONDUCTOR
BEP	BUILDING ENTRANCE PROTECTOR
B-N	BONDING NETWORK
BOT	BOTTOM OF CABLE TRAY
C	CONDUIT
CAT	CATEGORY
CATV	CABLE TELEVISION
CCN	CONTRACTOR CLASSIFIED NETWORK (FIBER)
CCTV	CLOSED CIRCUIT TELEVISION
CLAS	CLASSIFIED NETWORK
COMM	COMMUNICATIONS
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
CPP	COPPER HORIZONTAL PATCH PANEL
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
CT	CABLE TRAY
CU	COPPER
DIA	DIAMETER
(E)	EXISTING
EBC	EQUIPMENT BONDING CONDUCTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
EIA	ELECTRONICS INDUSTRIES ASSOCIATIONS
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
ER	EQUIPMENT ROOM
ESS	ELECTRONIC SECURITY SYSTEM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FE	FIBER OPTIC ENCLOSURE
FO	FIBER OPTIC
FPD	FLAT PANEL DISPLAY
FPP	FIBER OPTIC PATCH PANEL
FT	FOOT OR FEET
GA	GAUGE
GFCI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
GND	GROUND
GFE	GOVERNMENT FURNISHED EQUIPMENT
GRS	GALVANIZED RIGID STEEL CONDUIT
HAC	HOT AISLE CONTAINMENT
HDPE	HIGH DENSITY POLYETHYLENE
HSS	HIGH SECURITY SWITCH
HZ	HERTZ
IDC	INSULATION DISPLACEMENT CONNECTOR
IDS	INTRUSION DETECTION SYSTEM
IN	INCH OR INCHES
ISP	INSIDE PLANT
K	KILO
KCMIL	THOUSAND CIRCULAR MILS
MAX	MAXIMUM
MIN	MINIMUM
MM	MULTI-MODE
MMF	MULTI-MODE FIBER
MN/PA	MASS NOTIFICATION/PUBLIC ADDRESS
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSP	OUTSIDE PLANT
PBB	PRIMARY BONDING BUSBAR
PDS	PROTECTIVE DISTRIBUTION SYSTEM
PDU	POWER DISTRIBUTION UNIT
PR	PAIR
PSI	POUND PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PWR	POWER
R	RADIUS
RBB	RACK BONDING BUSBAR
RGS	RIGID GALVANIZED STEEL CONDUIT
RMC	RIGID METAL CONDUIT
RU	RACK UNITS
SBB	SECONDARY BONDING BUSBAR
SCHED	SCHEDULE
SCI	SENSITIVE COMPARTMENTALIZED INFORMATION
STP	SHIELDED TWISTED PAIR
SM	SINGLE MODE
SPD	SURGE PROTECTION DEVICE
SRG	STATIC REFERENCE GRID
STR	STRAND
TB	TELEPHONE BACKBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TR	TELECOMMUNICATIONS ROOM
TS	TOP SECRET
TYP	TYPICAL
UCLAS	UNCLASSIFIED NETWORK
UL	UNDERWRITERS' LABORATORIES
µm	MICROMETER
UON	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED PAIR
W	WIRE OR WATT

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

PROJECT GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL INFRASTRUCTURE INDICATED ON THE T-SERIES SHEETS IS PROVIDED BY THE PROJECT AND IS NOT GOVERNMENT FURNISHED.
2. PROVIDE BACKBONE CABLING IN AREA CABLE TRAYS AND BACKBONE CONDUITS. DO NOT USE J-HOOKS OR ANY OTHER METHOD TO ROUTE BACKBONE CABLING.
3. COMMUNICATION ROOMS HAVE BEEN LOCATED TO ENSURE THE COPPER HORIZONTAL CABLING THROUGHOUT THE FACILITY DOES NOT EXCEED 295 FEET TO MEET EIA/TIA STANDARDS. ROUTE PATHWAYS AND CABLES TO ENSURE THIS DISTANCE IS NOT EXCEEDED. NOTIFY THE COTR PRIOR TO PATHWAY AND CABLE INSTALLATION IF THERE ARE AREAS WHERE THE EXPECTED DISTANCE MAY BE EXCEEDED.
4. ROUTE HORIZONTAL CABLING SERVING WALL MOUNTED COMMUNICATIONS OUTLETS IN MINIMUM 1-1/4" CONDUIT FROM EACH COMMUNICATIONS OUTLET TO AREA CABLE TRAY, AND IN AREA CABLE TRAY TO DESIGNATED COMMUNICATION ROOM. ROUTE CONDUITS IN FINISHED AREAS CONCEALED IN WALL. WHERE COMMUNICATION OUTLETS ARE INSTALLED IN EXPOSED UNFINISHED ROOMS, CONDUITS MAY BE SURFACE MOUNTED. PAINT EXPOSED CONDUITS TO MATCH ADJACENT SURFACES.
5. REFER TO SHEET GI101 FOR FIRE AND SMOKE RATED PARTITION LOCATIONS. REFER TO SHEETS A-101 THROUGH A-102 FOR SPECIFIC PARTITION TYPES. REFER TO SHEETS A-501 THROUGH A-502 SEIRES SHEETS FOR PARITITION TYPES AND DETAILS.

LEGEND NOTES

1. EQUIPMENT IDENTIFIERS, MATCHING THOSE IN EQUIPMENT SCHEDULES, ARE DISPLAYED INSIDE OF BRACKETS [ ].
2. SYMBOLS ORIENTATION DOES NOT IMPLY DEVICE OR EQUIPMENT ORIENTATION. UNLESS NOTED AS SUCH. SEE REFLECTED CEILING PLANS FOR LIGHT FIXTURE POSITIONS AND ORIENTATIONS.
3. SYMBOL SIZE DOES NOT IMPLY EQUIPMENT SIZE, UON.
4. MOUNTING HEIGHT INDICATED IN LEGEND AND ON THE DRAWINGS MUST BE THE DISTANCE MEASURED FROM THE CENTER OF THE DEVICE TO THE FINISHED FLOOR, UON.
5. NOT ALL SYMBOLS ARE USED.
6. REFER TO TYPICAL DETAILS ON TN500 SERIES DRAWINGS.

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 363688
EXPIRES 12-31-27
07/31/2026
RCDD

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
PANAMA CITY, FLORIDA

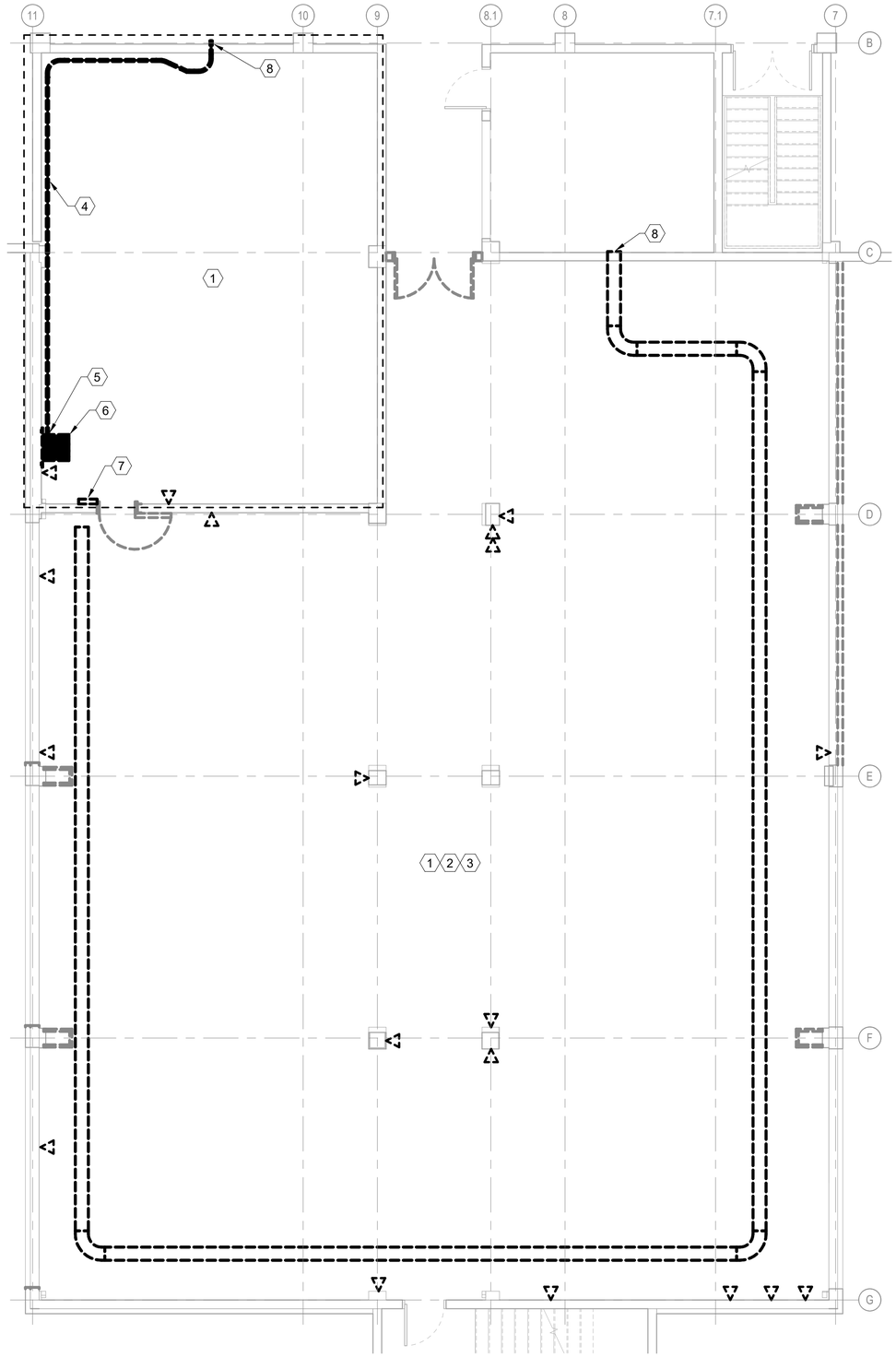
TELECOMMUNICATIONS AND ELECTRONIC SECURITY LEGEND, ABBREVIATIONS AND GENERAL NOTES

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230879
SHEET 71 OF 98

T-001

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:36:28 AM T-001
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A1 TELECOMMUNICATION DEMOLITION PLAN - SECOND FLOOR 2B WING

3/16" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

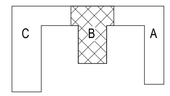
1. BOLD DASHED LINES INDICATE EQUIPMENT TO BE DEMOLISHED. DISCONNECT AND REMOVE EQUIPMENT AND ALL ASSOCIATED INFRASTRUCTURE BACK TO SOURCE.
2. HALF-TONED LINES INDICATE EXISTING TO REMAIN EQUIPMENT AND ASSOCIATED INFRASTRUCTURE.

SHEET KEYNOTES

1. DISCONNECT AND REMOVE ALL EXISTING WALL-MOUNTED, CEILING-MOUNTED, AND CABLE TRAY-MOUNTED TELECOMMUNICATIONS OUTLETS AND ASSOCIATED CABLES BACK TO SOURCE IN EXISTING MECHANICAL ROOM 2B1.
2. DISCONNECT AND REMOVE ALL EXISTING SPARE CABLES, STORED IN CABLE TRAY, BACK TO SOURCE IN EXISTING MECHANICAL ROOM 2B1.
3. DISCONNECT AND REMOVE ALL EXISTING CABLE TRAY BACK TO WALL PENETRATION IN EXISTING MECHANICAL ROOM 2B1.
4. DISCONNECT AND REMOVE ALL CONDUIT AND ASSOCIATED CABLES BACK TO PENETRATION.
5. DISCONNECT AND REMOVE PLYWOOD BACKBOARD.
6. DISCONNECT AND REMOVE WALL-MOUNTED TELECOMMUNICATIONS CABINET. TURN OVER EXISTING CABINET, AND ALL INTERIOR EQUIPMENT TO THE COTR.
7. DISCONNECT AND REMOVE EXISTING INTRUSION DETECTION SYSTEM CONTROL PANEL, MOTION SENSORS, HIGH SECURITY SWITCHES, AND ASSOCIATED CONDUIT AND CONDUCTORS. TURN OVER ALL PANELS AND DEVICES TO THE COTR.
8. INFILL PENETRATION OPENING WITH CONCRETE.

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Richard Kemp
BICSI ID # 363668
EXPIRES 12-31-27
07/31/2026
RCDD

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

3/16" =1'-0" 0' 4' 8' 12'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
TELECOMMUNICATIONS DEMOLITION PLAN

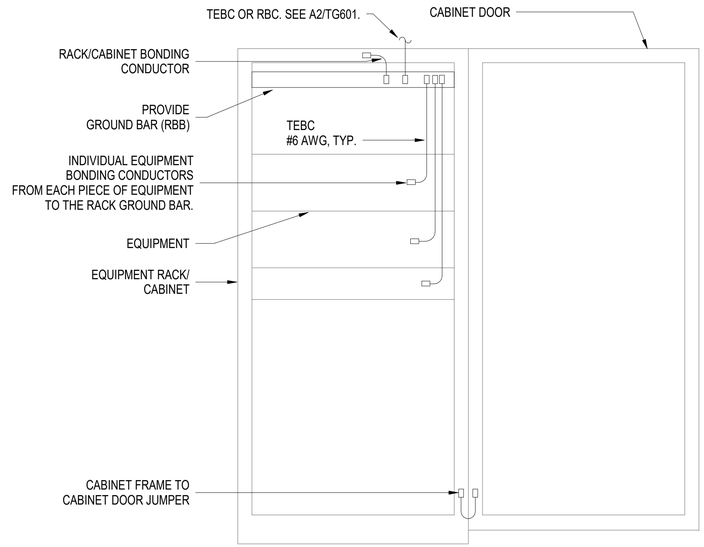
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230880
SHEET	72 OF 98

TD101

DRAWFORM REVISION: 14 SEP 2023

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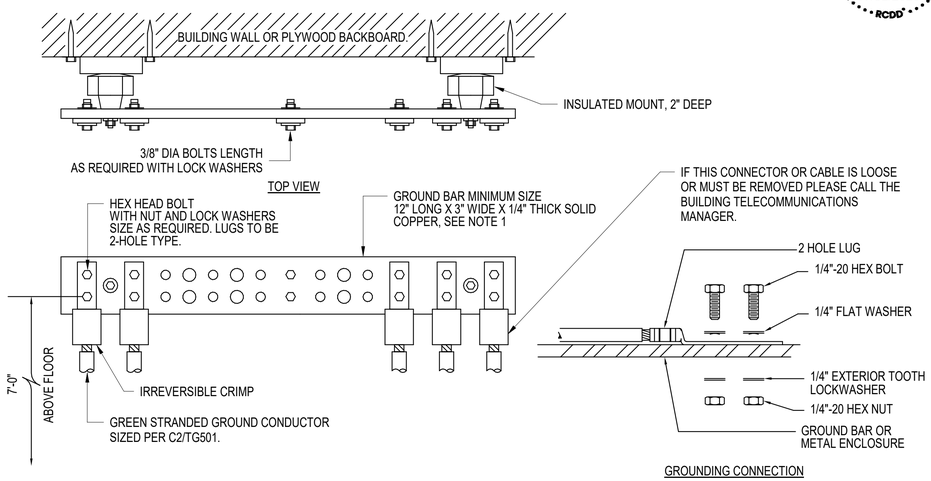
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



C2 TYPICAL CABINET EQUIPMENT TO RGB GROUND CONDUCTOR DETAIL [LV]
NOT TO SCALE

CONDUCTOR LENGTH (FT)	CONDUCTOR SIZE (AWG)
LESS THAN 13	6
14 - 20	4
21 - 26	3
27 - 33	2
34 - 41	1
42 - 52	1/0
53 - 66	2/0
67 - 84	3/0
85 - 105	4/0
106 - 125	250 KCMIL
126 - 150	300 KCMIL
151 - 175	350 KCMIL
176 - 250	500 KCMIL
251 - 300	600 KCMIL
GREATER THAN 301	750 KCMIL

C4 TELECOMMUNICATIONS BONDING CONDUCTOR SIZING CHART [LV]
NOT TO SCALE



NOTES:
1. PROVIDE NUMBER AND SIZE OF CONNECTORS AND GROUND CONDUCTORS AND LENGTH OF GROUND BAR AS REQUIRED FOR EACH GROUND BAR LOCATION.
2. HOLE SIZE, SPACING AND PATTERN MUST BE IN ACCORDANCE WITH TIA-607.

A3 SECONDARY BONDING BUSBAR [L]
NOT TO SCALE

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

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FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK
PM/DM	OAH/RSJ				
BRANCH MANAGER	NAS				
CHIEF ENG/ARCH	ADV				
FIRE PROTECTION	JPH				

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 353688
EXPIRES 12-31-27
07/31/2026
RCDD

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

TELECOMMUNICATIONS DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230881
SHEET	73 OF 98

TG501

DRAWFORM REVISION: 14 SEP 2023

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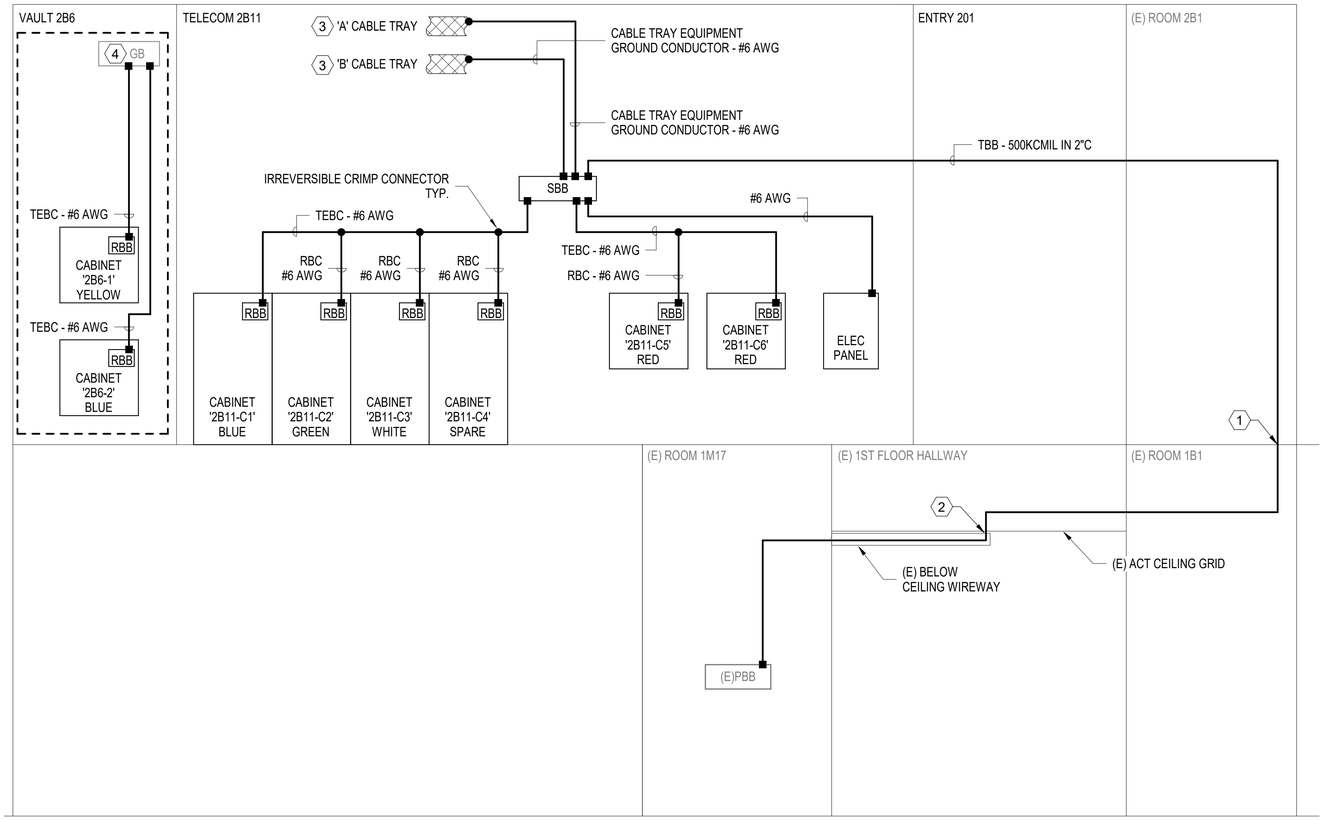
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. HALF-TONED LINES INDICATE EXISTING EQUIPMENT AND ASSOCIATED INFRASTRUCTURE.

SHEET KEYNOTES

1. CORE DRILL EXISTING CONCRETE SLAB AND PROVIDE ONE (1) 2" CONDUIT SLEEVE BETWEEN ROOMS MECH 1B1 AND MECH 2B1.
2. STUB PROVIDED CONDUIT INTO EXISTING WIREWAY OUTSIDE OF ROOM 1M28. ROUTE PROVIDED FIBER OPTIC CABLE TRHOUGH WIREWAY TO ROOM 1M17.
3. PROVIDE #6 AWG BONDING JUMPERS BETWEEN ALL SEPARATE SECTIONS OF CABLE TRAY.
4. ELECTRICAL GROUNDING BUSBAR PROVIDED BY DIV 26.



NOTES:
1. PROVIDE AT A MINIMUM A #6 AWG GREEN JACKETED BONDING CONDUCTOR FOR ALL EQUIPMENT, CONDUIT, METAL DUCTS UON. INCREASE SIZE OF GROUNDING CONDUCTOR IF LENGTH EXCEEDS 13' PER DETAIL C2/TG501.
2. PROVIDE THE SHORTEST ROUTE POSSIBLE FOR ALL CONDUCTORS. SIZE PER C2/TG501, UON.
3. LABEL ALL CONDUCTORS AND EQUIPMENT PER ANSI/TIA 607.

A1 TELECOMMUNICATIONS GROUNDING RISER DIAGRAM

NOT TO SCALE

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK
CHK	EAK		
PM/DM	OAH/RSJ		
BRANCH MANAGER	NAS		
CHIEF ENG/ARCH	ADV		
FIRE PROTECTION	JPH		

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 363668
EXPIRES 12-31-27
07/31/2026
RCDD

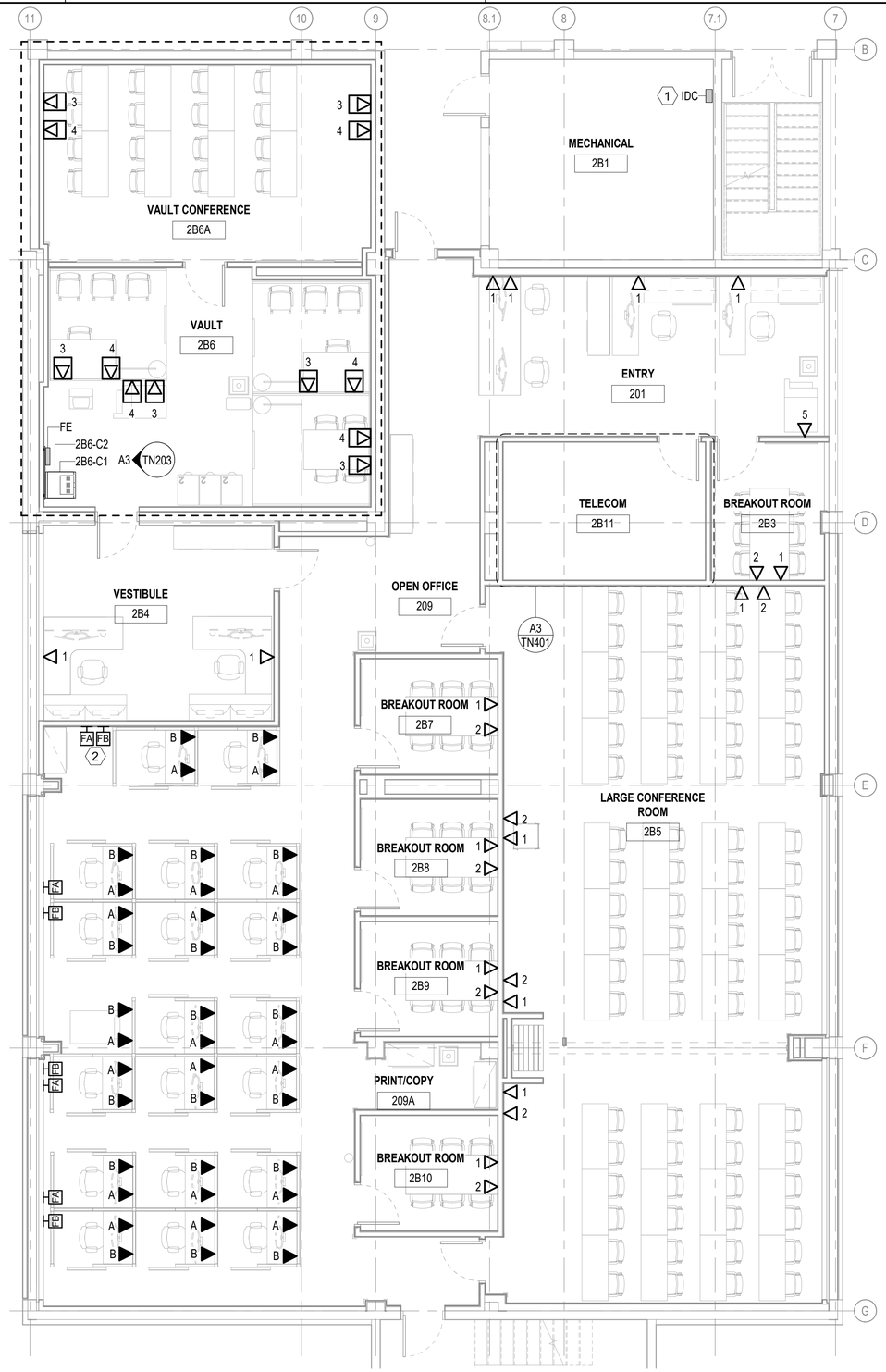
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
PANAMA CITY, FLORIDA
NSA PANAMA CITY
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
TELECOMMUNICATIONS GROUNDING RISER DIAGRAM

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230882
SHEET 74 OF 98

TG601

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A1 TELECOMMUNICATIONS PLAN - SECOND FLOOR 2B WING

3/16" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

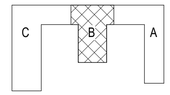
SHEET NOTES

1. SEE TN200 SERIES SHEETS FOR TELECOMMUNICATIONS ELEVATIONS.
2. SEE TN400 SERIES SHEETS FOR ENLARGED TELECOMMUNICATIONS PLANS.
3. SEE TN500 SERIES SHEETS FOR TELECOMMUNICATIONS DETAILS.
4. SEE TN600 SERIES SHEETS FOR TELECOMMUNICATIONS RISER DIAGRAMS.
5. PROVIDE TYPE '1' OUTLET CABLING AND TYPE '2' OUTLET CABLING WITH A MINIMUM SEPARATION OF 2 INCHES. WHERE PARALLEL RUNS OF TYPE '1' OUTLET CABLING AND TYPE '2' OUTLET CABLING EXCEEDS 98'-0", CABLING MUST BE SPRARATED BY A MINIMUM OF 6 INCHES.
6. PROVIDE TYPE '3' OUTLET CABLING AND TYPE '4' OUTLET CABLING WITH A MINIMUM SEPARATION OF 2 INCHES. WHERE PARALLEL RUNS OF TYPE '3' OUTLET CABLING AND TYPE '4' OUTLET CABLING EXCEEDS 98'-0", CABLING MUST BE SPRARATED BY A MINIMUM OF 6 INCHES.
7. PROVIDE ALL SYSTEM FURNITURE TYPE A OUTLETS AND ASSOCIATED CABLING WITHIN THE LOWER LEVEL FURNITURE NETWORK PATHWAYS SEPARATED FROM TYPE B OUTLET CABLING AND ELECTRICAL CONDUCTORS.
8. PROVIDE ALL SYSTEM FURNITURE TYPE B OUTLETS AND ASSOCIATED CABLING WITHIN THE UPPER LEVEL FURNITURE NETWORK PATHWAYS SEPARATED FROM TYPE A OUTLET CABLING AND ELECTRICAL CONDUCTORS.

SHEET KEYNOTES

1. PROVIDE A 25-PAIR, WALL-MOUNTED, 110-STYLE TERMINATION BLOCK.
2. PROVIDE ONE (1) 2" CONDUIT TO EACH SYSTEM FURNITURE FEED JUNCTION BOX IN LIEU OF TWO (2) CONDUITS AS INDICATED IN DETAIL A1/TN501.

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

3/16" =1'-0"

0' 4' 8' 12'

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 563668
EXPIRES 12-31-27
07/31/2026
RCDD

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
TELECOMMUNICATIONS PLAN - SECOND FLOOR 2B WING

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230883
SHEET	75 OF 98

TN101

DRAWFORM REVISION: 14 SEP 2023

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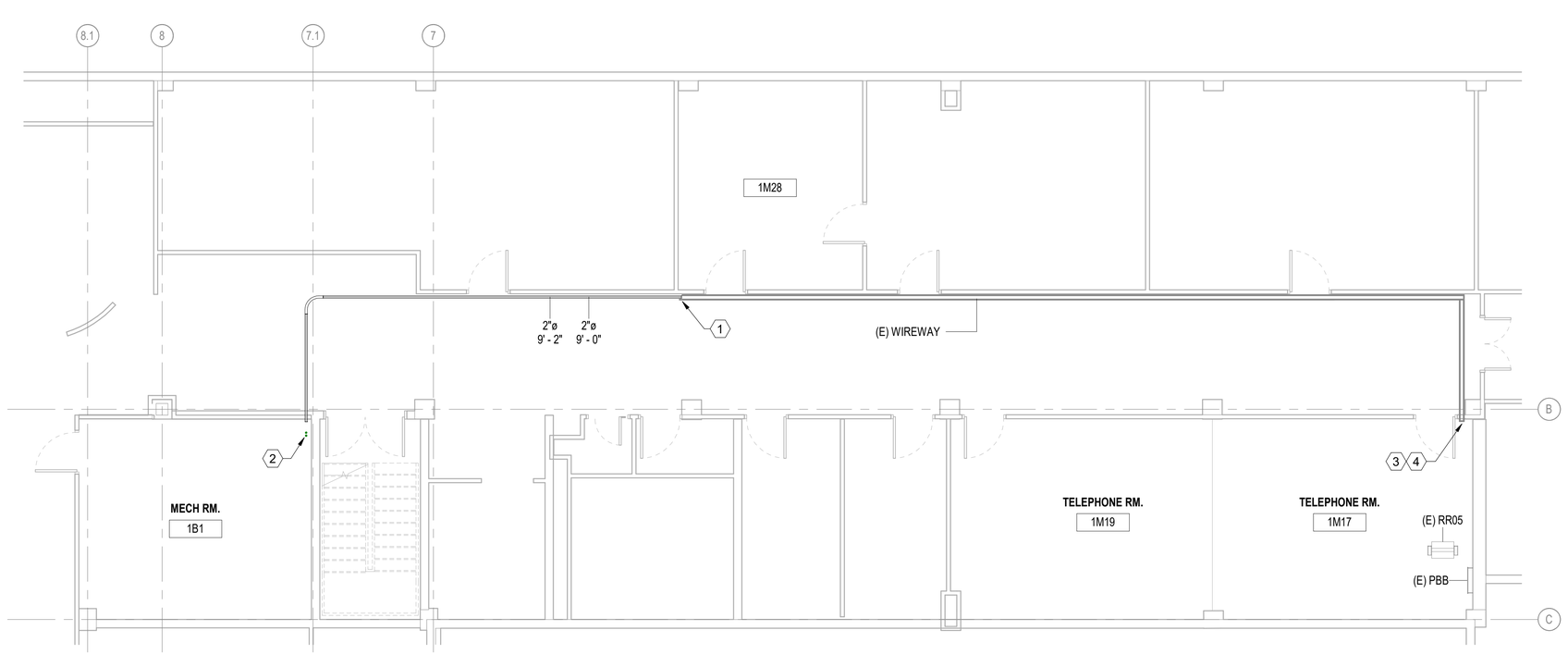
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SHEET NOTES

1. SEE TN200 SERIES SHEETS FOR TELECOMMUNICATIONS ELEVATIONS.
2. SEE TN400 SERIES SHEETS FOR ENLARGED TELECOMMUNICATIONS PLANS.
3. SEE TN500 SERIES SHEETS FOR TELECOMMUNICATIONS DETAILS.
4. SEE TN600 SERIES SHEETS FOR TELECOMMUNICATIONS RISER DIAGRAMS.

SHEET KEYNOTES

1. STUB PROVIDED CONDUIT INTO EXISTING WIREWAY.
2. CORE DRILL EXISTING CONCRETE SLAB AND PROVIDE TWO (2) 2" CONDUIT SLEEVES BETWEEN ROOMS MECH 1B1 AND MECH 2B1.
3. TRANSITION PROVIDED FIBER OPTIC CABLING FROM EXISTING WIREWAY TO EXISTING OVERHEAD PATHWAYS IN TELEPHONE ROOM 1M17 AND CONTINUE TO EXISTING RACK 'RR05'. SEE TN601 FOR ADDITIONAL INFORMATION.
4. TRANSITION PROVIDED BONDING BACKBONE CONDUCTOR FROM EXISTING WIREWAY TO EXISTING OVERHEAD PATHWAYS IN TELEPHONE ROOM 1M17 AND CONTINUE TO EXISTING PRIMARY BONDING BUSBAR. SEE TG601 FOR ADDITIONAL INFORMATION.



A1 TELECOMMUNICATIONS PATHWAY PLAN - FIRST FLOOR [L]

3/16" = 1'-0"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

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FOR COMMANDER NAVFAC
ACTIVITY

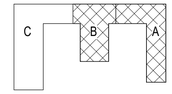
SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 363688
EXPIRES 12-31-27
07/31/2026
RCDD

KEYPLAN



GRAPHIC SCALE(S)

3/16" =1'-0" 0' 4' 8' 12'

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

TELECOMMUNICATIONS PATHWAY PLAN - FIRST FLOOR

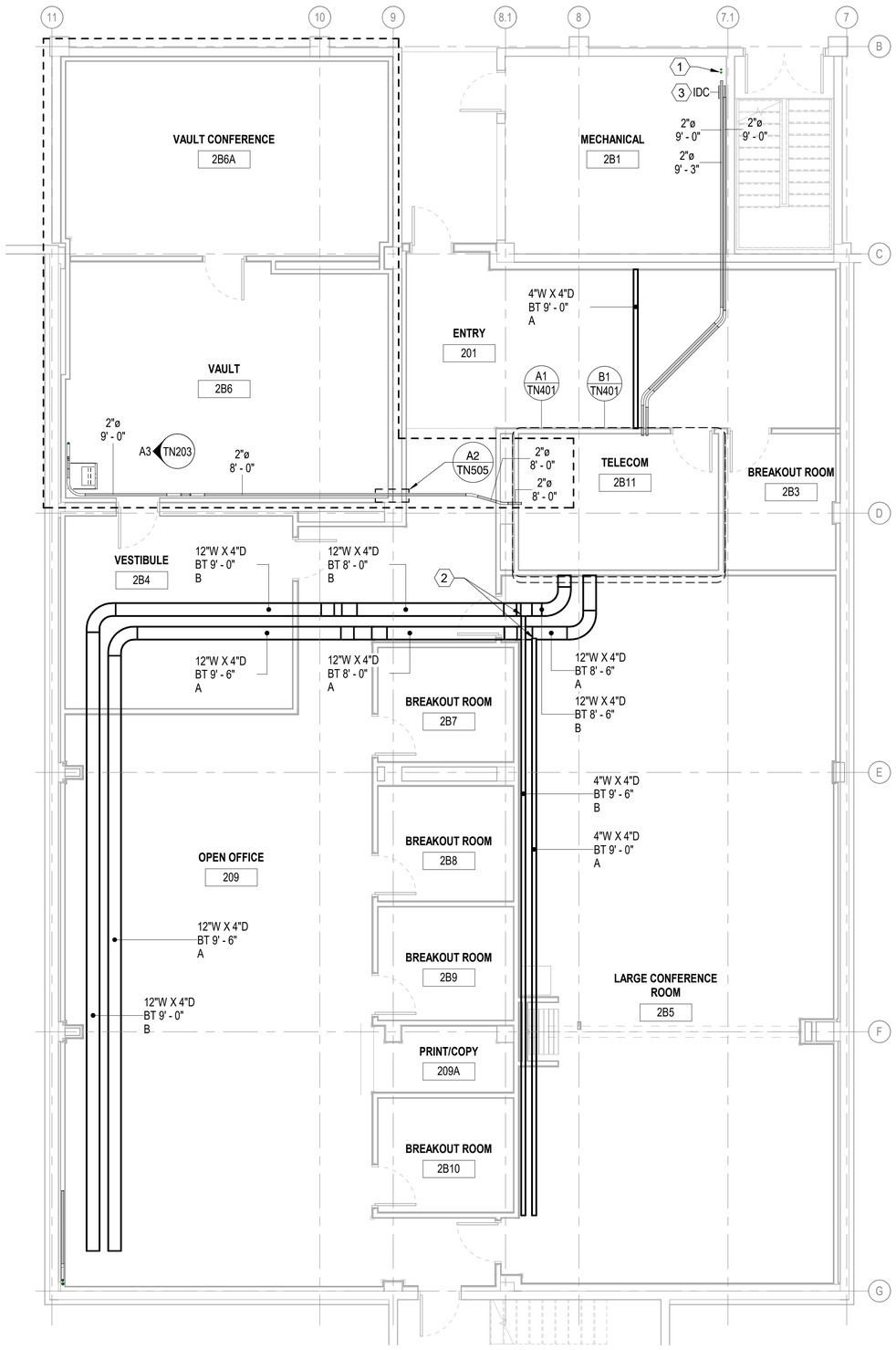
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230884
SHEET	76 OF 98

TN111

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A1 TELECOMMUNICATIONS PATHWAY PLAN - SECOND FLOOR 2B WING

3/16" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. SEE TN200 SERIES SHEETS FOR TELECOMMUNICATIONS ELEVATIONS.
2. SEE TN400 SERIES SHEETS FOR ENLARGED TELECOMMUNICATIONS PLANS.
3. SEE TN500 SERIES SHEETS FOR TELECOMMUNICATIONS DETAILS.
4. SEE TN600 SERIES SHEETS FOR TELECOMMUNICATIONS RISER DIAGRAMS.
5. PROVIDE CABLE TRAY AND CONDUIT PATHWAYS TO ENSURE THAT ALL BLUE, GREEN, AND WHITE NETWORK CABLING IS SPEARATED BY A MINIMUM OF 2 INCHES FROM ALL RED NETWORK CABLING. WHERE PARALLEL EXCEEDS 98'-0", CABLING MUST BE SPRARATED BY A MINIMUM OF 6 INCHES.
6. ROUTE ALL 'BLUE', 'GREEN', AND 'WHITE' CABLES WITHIN THE 'A' CABLE TRAY.
7. ROUTE ALL 'RED' CABLES WITHIN THE 'B' CABLE TRAY.

SHEET KEYNOTES

1. CORE DRILL EXISTING CONCRETE SLAB AND PROVIDE ONE (1) 2" CONDUIT SLEEVE BETWEEN ROOMS MECH 1B1 AND MECH 2B1.
2. PROVIDE CABLETRAY WATERFALL DROP TO TRANSITION CABLES TO LOWER CABLE TRAY HEIGHTS.
3. TERMINATE COPPER BACKBONE CABLE; SEE TN601 FOR ADDITIONAL INFORMATION.

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
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BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

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FOR COMMANDER NAVFAC

ACTIVITY

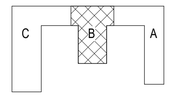
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DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 363668
EXPIRES 12-31-27
07/31/2026
RCDD

KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

3/16" =1'-0"

0' 4' 8' 12'

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

TELECOMMUNICATIONS PATHWAY PLAN - SECOND FLOOR 2B WING

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230885
SHEET	77 OF 98

TN112

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CABINET SCHEDULE - TELECOM 2B11 - CABINETS 1-4

CABINET ID	NETWORK	WIDTH	HEIGHT	DEPTH	RACK UNITS	PDU 1			
						TYPE	VOLT	INPUT PLUG	OUTPUT PLUG
2B11-C1	BLUE	2' - 0"	7' - 0"	2' - 6"	45	VERTICAL - 5KW	208V	L6-30P (10'-0" CORD)	(24) C13 | (18) C39
2B11-C2	GREEN	2' - 0"	7' - 0"	2' - 6"	45	VERTICAL - 5KW	208V	L6-30P (10'-0" CORD)	(24) C13 | (18) C39
2B11-C3	WHITE	2' - 0"	7' - 0"	2' - 6"	45	VERTICAL - 5KW	208V	L6-30P (10'-0" CORD)	(24) C13 | (18) C39
2B11-C4	SPARE	2' - 0"	7' - 0"	2' - 6"	45	VERTICAL - 5KW	208V	L6-30P (10'-0" CORD)	(24) C13 | (18) C39

CABINET EQUIPMENT SCHEDULE - TELECOM 2B11 - CABINETS 1-4

CAB ID	RU	EQUIP ID	NETWORK	DESCRIPTION	RU	FIBER PORTS	COPPER PORTS
2B11-C1	45-2	BP	BLUE	BLANK PANEL	1	0	0
2B11-C1	45-1	FPP1	BLUE	6-PORT, DUPLEX-LC FIBER OPTIC PATCH PANEL	1	6	0
2B11-C1	45	FE1	BACKBONE	1RU FIBER ENCLOSURE	1	6	0
2B11-C1	44-43	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C1	42-41	CPP2	BLUE	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C1	40-39	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C1	38-37	CPP2	BLUE	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C1	36-35	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C1	34-33	CPP2	BLUE	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C1	32-31	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C2	45-2	BP	GREEN	BLANK PANEL	1	0	0
2B11-C2	45-1	FPP1	GREEN	6-PORT, DUPLEX-LC FIBER OPTIC PATCH PANEL	1	6	0
2B11-C2	45	FE1	BACKBONE	1RU FIBER ENCLOSURE	1	6	0
2B11-C2	44-43	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C2	42-41	CPP2	GREEN	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C2	40-39	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C2	38-37	CPP2	GREEN	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C2	36-35	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C2	34-33	CPP2	GREEN	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C2	32-31	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C3	45-2	BP	WHITE	BLANK PANEL	1	0	0
2B11-C3	45-1	FPP1	WHITE	6-PORT, DUPLEX-LC FIBER OPTIC PATCH PANEL	1	6	0
2B11-C3	45	FE1	BACKBONE	1RU FIBER ENCLOSURE	1	6	0
2B11-C3	44-43	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C3	42-41	CPP2	WHITE	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C3	40-39	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C3	38-37	CPP2	WHITE	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C3	36-35	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C3	34-33	CPP2	WHITE	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C3	32-31	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0

OUTLET SCHEDULE - TELEOM 2B11 - CABINETS 1-4

ROOM		OUTLET TYPE	QTY	PORT A (BLUE)	PORT B (GREEN)	PORT F (WHITE)	BLANK
NUMBER	NAME						
2B3	BREAKOUT ROOM	1	1	2	2	2	0
2B4	VESTIBULE	1	2	4	4	4	0
2B5	LARGE CONFERENCE ROOM	1	4	8	8	8	0
2B6	VAULT	4	4	8	0	0	16
2B6A	VAULT CONFERENCE	4	2	4	0	0	8
2B7	BREAKOUT ROOM	1	1	2	2	2	0
2B8	BREAKOUT ROOM	1	1	2	2	2	0
2B9	BREAKOUT ROOM	1	1	2	2	2	0
2B10	BREAKOUT ROOM	1	1	2	2	2	0
201	ENTRY	1	4	8	8	8	0
201	ENTRY	5	1	2	2	0	2
209	OPEN OFFICE	A	20	40	40	40	0
Grand total: 42			42	84	72	70	26

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

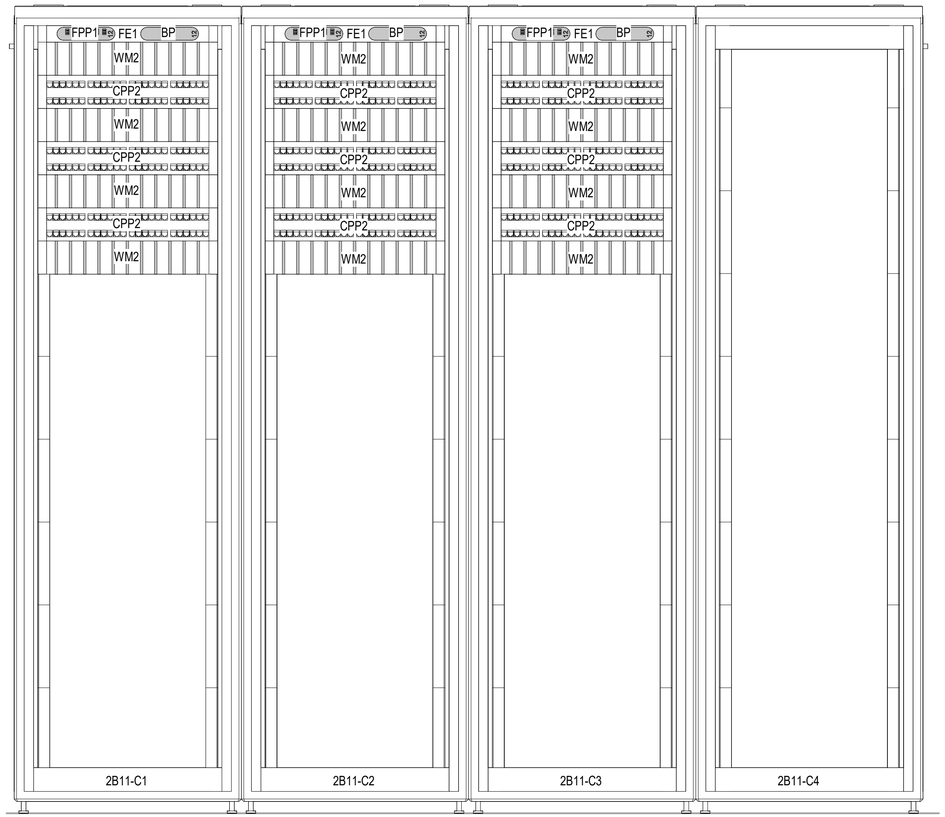
SHEET NOTES

1. SEE TN400 SERIES SHEETS FOR ENLARGED TELECOMMUNICATIONS PLANS.
2. SEE TN500 SERIES SHEETS FOR TELECOMMUNICATIONS DETAILS.
3. SEE TN600 SERIES SHEETS FOR TELECOMMUNICATIONS RISER DIAGRAMS.

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 363668
EXPIRES 12-31-27
07/31/2026
RCDD

GRAPHIC SCALE(S)

1 1/2" =1'-0" 0' 4" 8" 1'-4"



A3 ELEVATION - TELECOM 2B11 - CABINETS 1-4 [L]
1 1/2" = 1'-0"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
TELECOMMUNICATIONS ELEVATIONS AND SCHEDULES

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230886
SHEET	78 OF 98

TN201

DRAWFORM REVISION: 14 SEP 2023

7/28/2026 12:47:15 PM TN201
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. SEE TN400 SERIES SHEETS FOR ENLARGED TELECOMMUNICATIONS PLANS.
2. SEE TN500 SERIES SHEETS FOR TELECOMMUNICATIONS DETAILS.
3. SEE TN600 SERIES SHEETS FOR TELECOMMUNICATIONS RISER DIAGRAMS.

SHEET KEYNOTES

1. TERMINATE ALL OUTLET PORT 'C' CAT6A CABLES TO PATCH PANELS LOCATED IN CABINET '2B11-C5'.
2. TERMINATE ALL OUTLET PORT 'D' CAT6A CABLES TO PATCH PANELS LOCATED IN CABINET '2B11-C6'.

CABINET SCHEDULE - TELECOM 2B11 - CABINETS 5-6

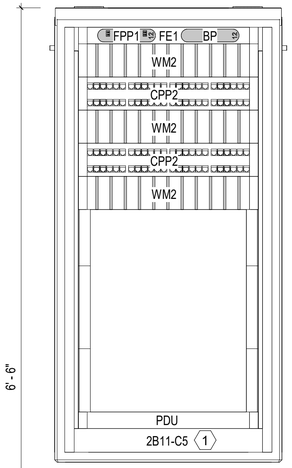
CABINET ID	NETWORK	WIDTH	HEIGHT	DEPTH	RACK UNITS	PDU 1			
						TYPE	VOLT	INPUT PLUG	OUTPUT PLUG
2B11-C5	RED	2' - 0"	4' - 0"	2' - 6"	24	HORIZONTAL - 5KW	208V	L6-30P (10'-0" CORD)	(8) C13 | (4) C19
2B11-C6	RED	2' - 0"	4' - 0"	2' - 6"	24	HORIZONTAL - 5KW	208V	L6-30P (10'-0" CORD)	(8) C13 | (4) C19

CABINET EQUIPMENT SCHEDULE - TELECOM 2B11 - CABINETS 5-6

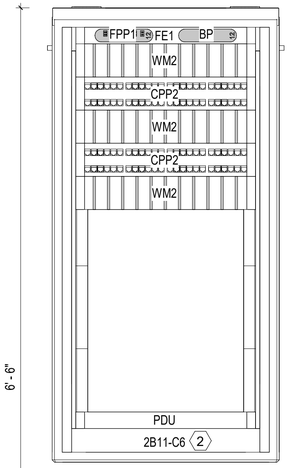
CAB ID	RU	EQUIP ID	NETWORK	DESCRIPTION	RU	FIBER PORTS	COPPER PORTS
2B11-C5	24-2	BP	RED	BLANK PANEL	1	0	0
2B11-C5	24-1	FPP1	RED	6-PORT, DUPLEX-LC FIBER OPTIC PATCH PANEL	1	6	0
2B11-C5	24	FE1	BACKBONE	1RU FIBER ENCLOSURE	1	6	0
2B11-C5	23-22	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C5	21-20	CPP2	RED	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C5	19-18	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C5	17-16	CPP2	RED	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C5	15-14	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C5	1	PDU	-	POWER DISTRIBUTION UNIT (SEE CABINET/RACK SCHEDULE FOR INFO)	1	0	0
2B11-C6	24-2	BP	RED	BLANK PANEL	1	0	0
2B11-C6	24-1	FPP1	RED	6-PORT, DUPLEX-LC FIBER OPTIC PATCH PANEL	1	6	0
2B11-C6	24	FE1	BACKBONE	1RU FIBER ENCLOSURE	1	6	0
2B11-C6	23-22	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C6	21-20	CPP2	RED	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C6	19-18	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C6	17-16	CPP2	RED	48 PORT CATEGORY 6A PATCH PANEL	2	0	48
2B11-C6	15-14	WM2	-	HORIZONTAL CABLE MANAGER	2	0	0
2B11-C6	1	PDU	-	POWER DISTRIBUTION UNIT (SEE CABINET/RACK SCHEDULE FOR INFO)	1	0	0

OUTLET SCHEDULE - TELEOM 2B11 - CABINETS 5-6

ROOM						
NUMBER	NAME	OUTLET TYPE	QTY	PORT C (RED)	PORT D (RED)	BLANK
2B3	BREAKOUT ROOM	2	1	2	2	2
2B5	LARGE CONFERENCE ROOM	2	4	8	8	8
2B7	BREAKOUT ROOM	2	1	2	2	2
2B8	BREAKOUT ROOM	2	1	2	2	2
2B9	BREAKOUT ROOM	2	1	2	2	2
2B10	BREAKOUT ROOM	2	1	2	2	2
201	ENTRY	5	1	0	0	2
209	OPEN OFFICE	B	20	40	40	0
Grand total: 30			30	58	58	20



A2 ELEVATION - TELECOM 2B11 - CABINET 5 [L]
1 1/2" = 1'-0"



A3 ELEVATION - TELECOM 2B11 - CABINET 6 [L]
1 1/2" = 1'-0"

GRAPHIC SCALE(S)

1 1/2" =1'-0" 0' 4" 8" 1'-4"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 353688
EXPIRES 12-31-27
07/31/2026
RCDD

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
TELECOMMUNICATIONS ELEVATIONS AND SCHEDULES

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230887
SHEET	79 OF 98

TN202

DRAWFORM REVISION: 14 SEP 2023

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CABINET SCHEDULE - VAULT 2B6

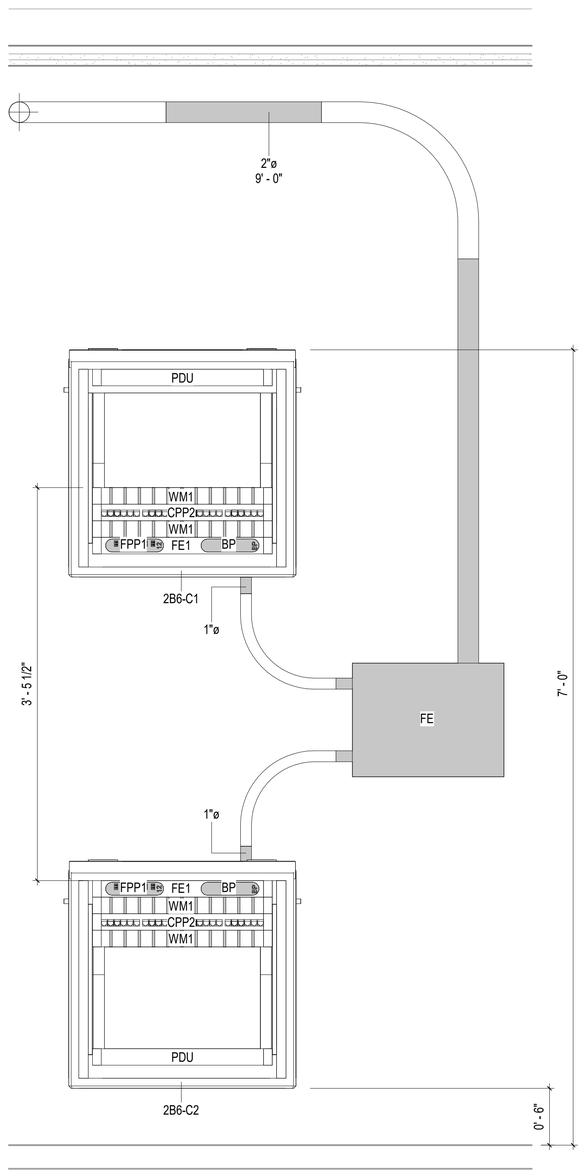
CABINET ID	NETWORK	WIDTH	HEIGHT	DEPTH	CABINET UNITS	PDU 1			
						TYPE	VOLT	INPUT PLUG	OUTPUT PLUG
2B6-C1	YELLOW	2' - 0"	2' - 0"	2' - 0"	12	HORIZONTAL - 5KW	208V	L6-30P (10'-0" CORD)	(8) C13 | (4) C19
2B6-C2	BLUE	2' - 0"	2' - 0"	2' - 0"	12	HORIZONTAL - 5KW	208V	L6-30P (10'-0" CORD)	(8) C13 | (4) C19

CABINET EQUIPMENT SCHEDULE - VAULT 2B6

CAB ID	RU	EQUIP ID	NETWORK	DESCRIPTION	RU	FIBER PORTS	COPPER PORTS
2B6-C1	12	PDU	-	POWER DISTRIBUTION UNIT (SEE CABINET/RACK SCHEDULE FOR INFO)	1	0	0
2B6-C1	4	WM1	-	HORIZONTAL CABLE MANAGER	1	0	0
2B6-C1	3	CPP2	YELLOW	24 PORT CATEGORY 6A PATCH PANEL	1	0	24
2B6-C1	2	WM1	-	HORIZONTAL CABLE MANAGER	1	0	0
2B6-C1	1 (2)	BP	YELLOW	BLANK PANEL	1	0	0
2B6-C1	1 (1)	FPP1	YELLOW	6-PORT, DUPLEX-LC FIBER OPTIC PATCH PANEL	1	6	0
2B6-C1	1	FE1	YELLOW	1RU FIBER ENCLOSURE	1	6	0
2B6-C2	12 (2)	BP	BLUE	BLANK PANEL	1	0	0
2B6-C2	12 (1)	FPP1	BLUE	6-PORT, DUPLEX-LC FIBER OPTIC PATCH PANEL	1	6	0
2B6-C2	12	FE1	BLUE	1RU FIBER ENCLOSURE	1	6	0
2B6-C2	11	WM1	-	HORIZONTAL CABLE MANAGER	1	0	0
2B6-C2	10	CPP2	BLUE	24 PORT CATEGORY 6A PATCH PANEL	1	0	24
2B6-C2	9	WM1	-	HORIZONTAL CABLE MANAGER	1	0	0
2B6-C2	1	PDU	-	POWER DISTRIBUTION UNIT (SEE CABINET/RACK SCHEDULE FOR INFO)	1	0	0

OUTLET SCHEDULE - VAULT 2B6 - CABINETS 1-2

ROOM		OUTLET TYPE	QTY	BLUE	YELLOW	BLANK
NUMBER	NAME					
2B6	VAULT	3	4	0	8	8
2B6	VAULT	4	4	8	0	16
2B6A	VAULT CONFERENCE	3	2	0	4	4
2B6A	VAULT CONFERENCE	4	2	4	0	8
Grand total: 12			12	12	12	36



A3 ELEVATION - VAULT 2B6 [V]

1 1/2" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. SEE TN400 SERIES SHEETS FOR ENLARGED TELECOMMUNICATIONS PLANS.
2. SEE TN500 SERIES SHEETS FOR TELECOMMUNICATIONS DETAILS.
3. SEE TN600 SERIES SHEETS FOR TELECOMMUNICATIONS RISER DIAGRAMS.

GRAPHIC SCALE(S)

1 1/2" =1'-0" 0' 4" 8" 1'-4"

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	RAK
DRW	RAK
CHK	EAK
PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 353688
EXPIRES 12-31-27
07/31/2026
RCDD

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
TELECOMMUNICATIONS ELEVATIONS AND SCHEDULES - VAULT

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230888
SHEET 80 OF 98
TN203
DRAWFORM REVISION: 14 SEP 2023

7/28/2026 12:47:21 PM TN203
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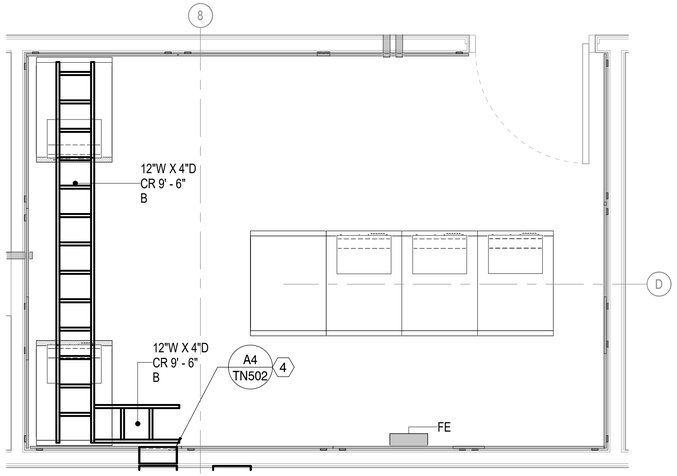
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. SEE TN500 SERIES SHEETS FOR TELECOMMUNICATIONS DETAILS.
2. SEE TN600 SERIES SHEETS FOR TELECOMMUNICATIONS RISER DIAGRAMS.
3. ROUTE ALL 'BLUE', 'GREEN', AND 'WHITE' CABLES WITHIN THE 'A' CABLE TRAY.
4. ROUTE ALL 'RED' CABLES WITHIN THE 'B' CABLE TRAY.

SHEET KEYNOTES

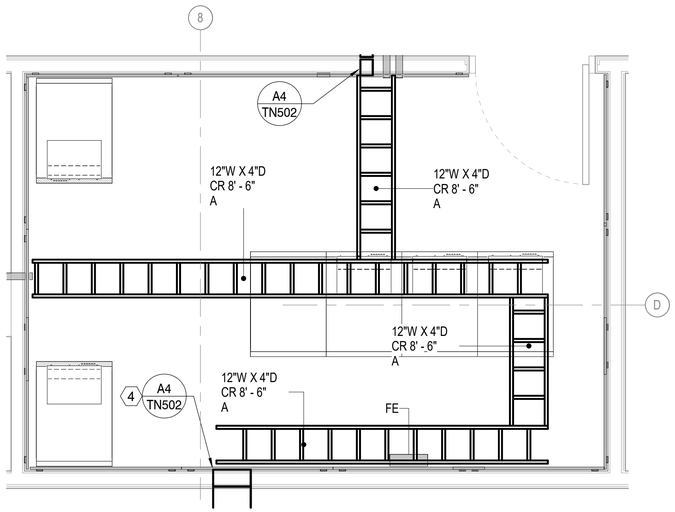
1. PROVIDE FIRE RETARDANT TREATED PLYWOOD BACKBOARDS, GRADE A/C OR BETTER, ON ALL WALLS WITHIN THE TELECOMMUNICATIONS ROOM.
2. PROVIDE WALL-MOUTED, 25-PAIR, 110-STYLE, INSULATION DISPLACEMENT CONTACT TERMINATION BLOCK MOUNTED AT 4'-0" ABOVE FINISHED FLOOR.
3. PROVIDE WALL-MOUNTED FIBER OPTIC ENCLOSURE WITH THREE (3), 12-PORT DUPLEX-LC PATCH PANELS.
4. PROVIDE BOTTOM OF PENETRATION ENCLOSURE AT 8'-6" ABOVE FINISHED FLOOR, TO MATCH HEIGHT OF INCOMING CABLE TRAY INDICATED ON SHEET TN112.



ENLARGED TELECOMMUNICATIONS
CABLE TRAY PLAN - TELECOM 2B3 - B [L]

B1

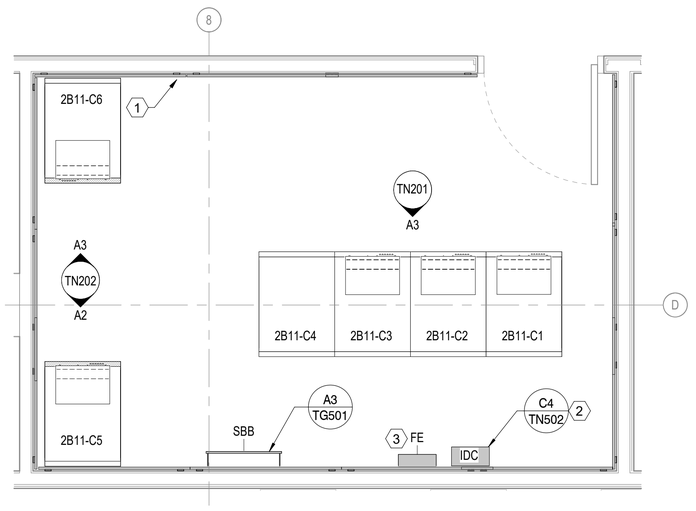
1/2" = 1'-0"



ENLARGED TELECOMMUNICATIONS
CABLE TRAY PLAN - TELECOM 2B3 - A [L]

A1

1/2" = 1'-0"



ENLARGED TELECOMMUNICATIONS PLAN - TELECOM 2B3 [L]

A3

1/2" = 1'-0"

GRAPHIC SCALE(S)

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 363668
EXPIRES 12-31-27
07/31/2026
RCDD

APPROVED

FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
TELECOMMUNICATIONS ENLARGED PLANS

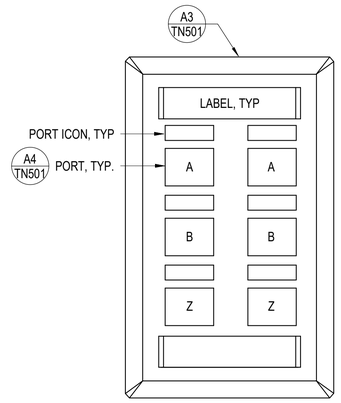
SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
15230889
SHEET 81 OF 98

TN401

DRAWFORM REVISION: 14 SEP 2023

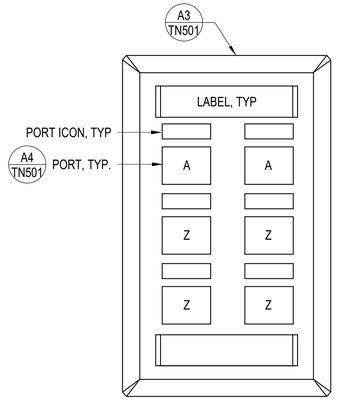
7/28/2026 12:47:23 PM TN401
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



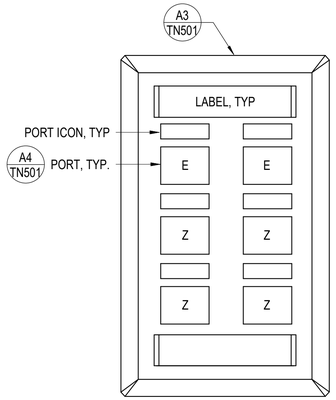
NOTES:
1. MOUNT AT 1'-6" AFF, UON.

C1 COMM OUTLET TYPE 5 [L]
NOT TO SCALE



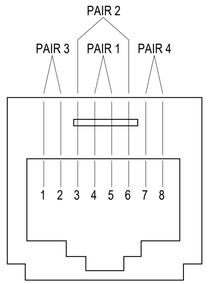
NOTES:
1. MOUNT AT 1'-6" AFF, UON.

C2 COMM OUTLET TYPE 4 [LV]
NOT TO SCALE



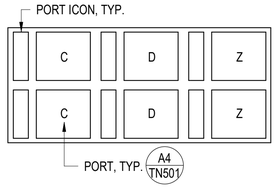
NOTES:
1. MOUNT AT 1'-6" AFF, UON.

C3 COMM OUTLET TYPE 3 [V]
NOT TO SCALE

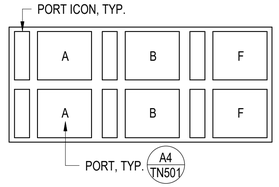


PAIR ID	PIN #
T1	4
R1	5
T2	3
R2	6
T3	1
R3	2
T4	7
R4	8

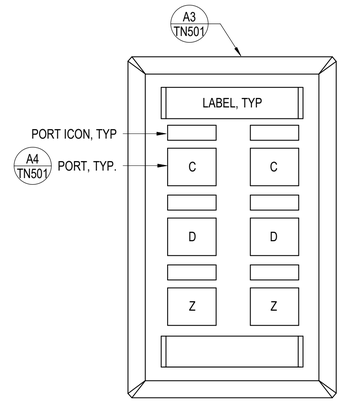
B1 T568A MODULAR PLUG PIN OUT [LV]
NOT TO SCALE



B2 SYSTEM FURNITURE OUTLET TYPE B [L]
NOT TO SCALE

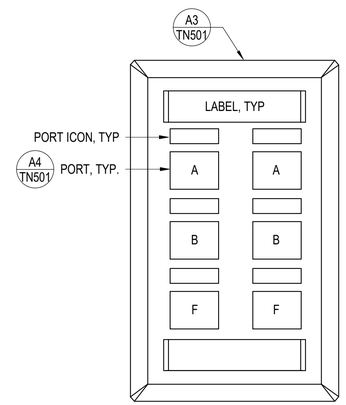


B3 SYSTEM FURNITURE OUTLET TYPE A [L]
NOT TO SCALE



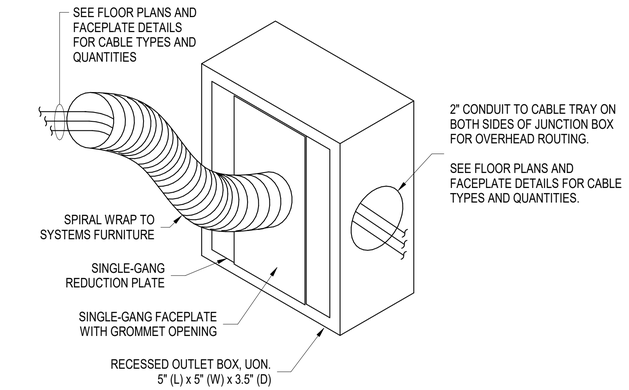
NOTES:
1. MOUNT AT 1'-6" AFF, UON.

B4 COMM OUTLET TYPE 2 [L]
NOT TO SCALE



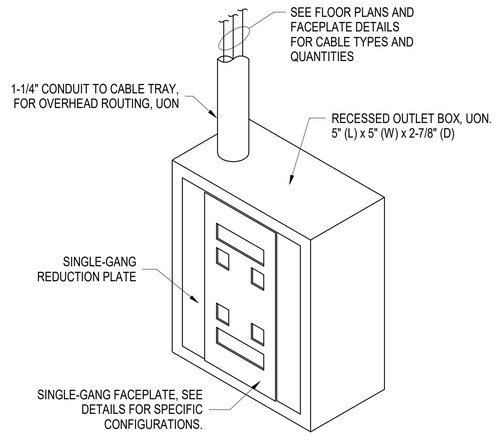
NOTES:
1. MOUNT AT 1'-6" AFF, UON.

B5 COMM OUTLET TYPE 1 [L]
NOT TO SCALE



NOTES:
1. MOUNT OUTLET BOX AT 12" AFF UON.
2. HORIZONTAL CABLING SERVING WALL MOUNTED SYSTEMS FURNITURE JUNCTION BOX FEEDS MUST BE ROUTED FROM OUTLET LOCATION ON SYSTEMS FURNITURE, VIA SYSTEMS FURNITURE WIRE CHANNELS, THROUGH WALL JUNCTION BOX, IN CONDUIT TO CABLE TRAY, AND IN CABLE TRAY TO DESIGNATED COMMUNICATIONS ROOM. PROVIDE MINIMUM TWO 1-1/4" CONDUITS FROM EACH WALL MOUNTED SYSTEMS FURNITURE JUNCTION BOX FEED TO AREA CABLE TRAY. PROVIDE SPIRAL WRAP FOR COMMUNICATION CABLES TO MODULAR FURNITURE CONNECTION POINT

A1 TYPICAL FURNITURE FEED [L]
NOT TO SCALE



A3 TELECOMMUNICATIONS OUTLET BACKBOX [LV]
NOT TO SCALE

APPEARANCE	DESIGNATOR	PORT	COLOR	CABLING	COLOR
	A	CAT6A RJ-45 NON-KEYED	BLUE	4-PAIR CAT6A U/UTP	BLUE
	B	CAT6A RJ-45 NON-KEYED	GREEN	4-PAIR CAT6A U/UTP	GREEN
	C	CAT6A RJ-45 NON-KEYED	RED	4-PAIR CAT6A F/UTP	RED
	D	CAT6A RJ-45 NON-KEYED	RED	4-PAIR CAT6A F/UTP	RED
	E	CAT6A RJ-45 NON-KEYED	YELLOW	4-PAIR CAT6A F/STP	YELLOW
	F	CAT6A RJ-45 NON-KEYED	WHITE	4-PAIR CAT6A U/UTP	WHITE
	Z	BLANK PLATE	WHITE	--	--

A4 TELECOM OUTLET LEGEND [LV]
NOT TO SCALE

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Richard Kemp
BICSI ID # 353088
EXPIRES 12-31-27
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RCDD

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0	ISSUED FOR BID	07/31/2026

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COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

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PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
TELECOMMUNICATIONS DETAILS

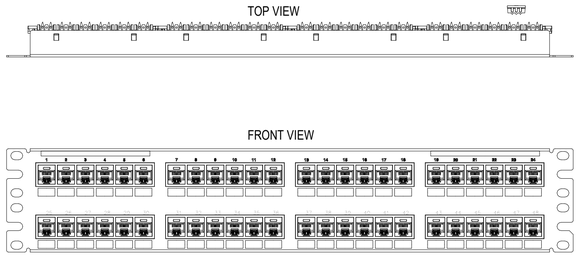
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CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230890
SHEET	82 OF 98

TN501

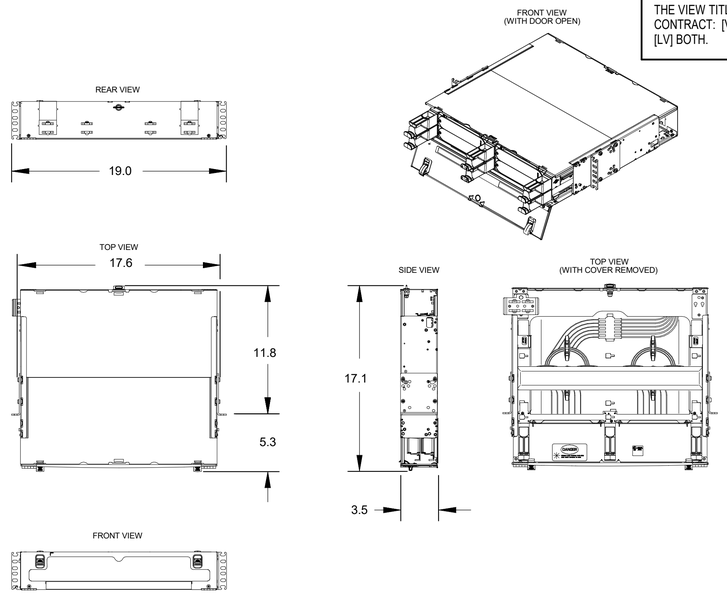
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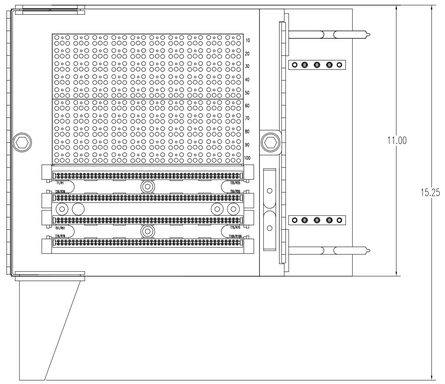
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C1 48 PORT CATEGORY 6A PATCH PANEL [LV]
NOT TO SCALE

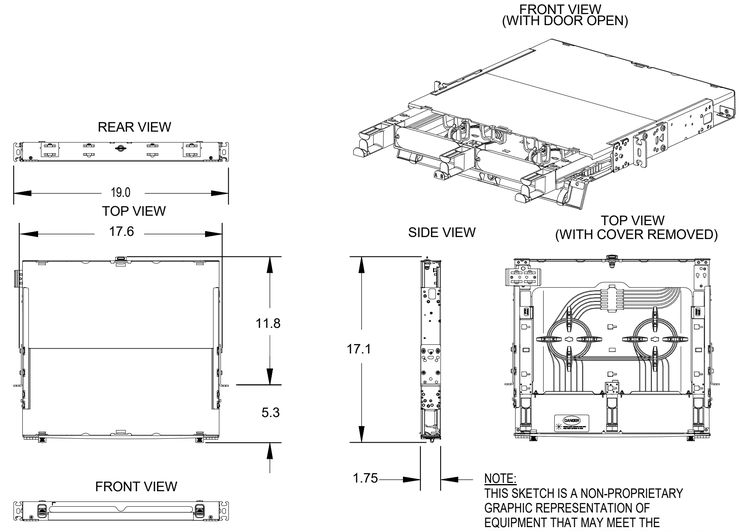


C2 2RU FIBER PATCH PANEL ENCLOSURE (FE2) [LV]
NOT TO SCALE



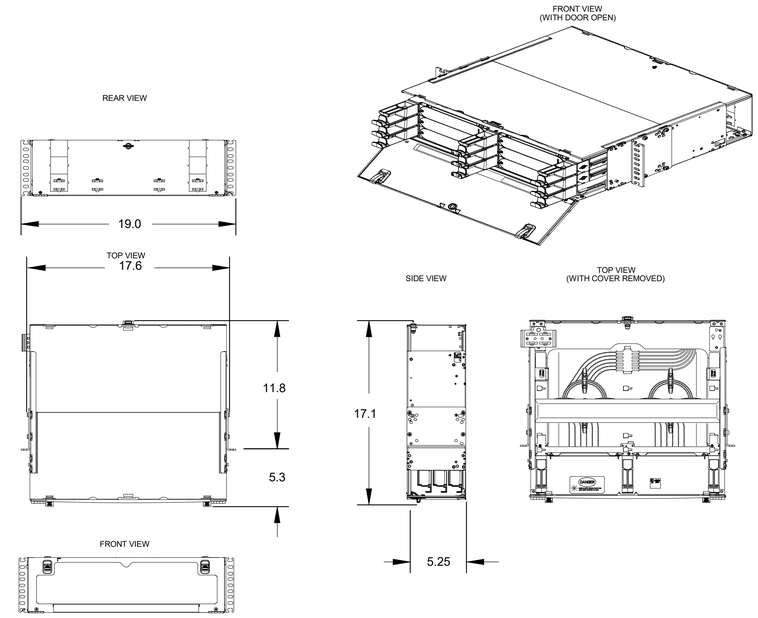
110 INPUT/110 OUTPUT

C4 PROTECTED ENTRANCE TERMINAL - 110/110 [L]
NOT TO SCALE

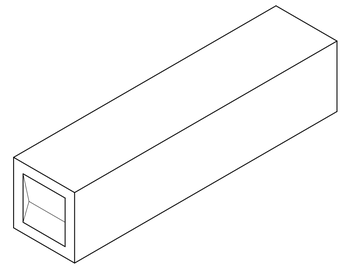


NOTE:
THIS SKETCH IS A NON-PROPRIETARY GRAPHIC REPRESENTATION OF EQUIPMENT THAT MAY MEET THE SPECIFICATION REQUIREMENTS. IT IS NOT INTENDED TO INDICATE A CERTAIN MANUFACTURER OR PREFERENCE.

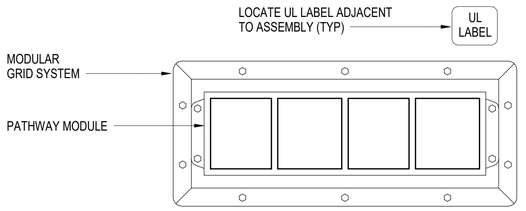
A1 1RU FIBER PATCH PANEL ENCLOSURE (FE1) [LV]
NOT TO SCALE



A2 3RU FIBER PATCH PANEL ENCLOSURE (FE3) [L]
NOT TO SCALE



SINGLE MODULE



SAMPLE 4-GANG

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. MUST BE UL LISTED AS FIRE RATED ASSEMBLY TO MATCH THE FIRE RATING OF THE WALL BEING PENETRATED.
3. MINIMUM STC RATING TO MATCH STC RATING OF THE WALL BEING PENETRATED.
4. ROUTE NETWORK CABLING THROUGH MODULES.

A4 TELECOMMUNICATIONS WALL PENETRATION DETAIL [L]
NOT TO SCALE

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SUITE 300
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DES	RAK	DRW	RAK	CHK	EAK
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BRANCH MANAGER	NAS				
CHIEF ENG/ARCH	ADV				
FIRE PROTECTION	JPH				

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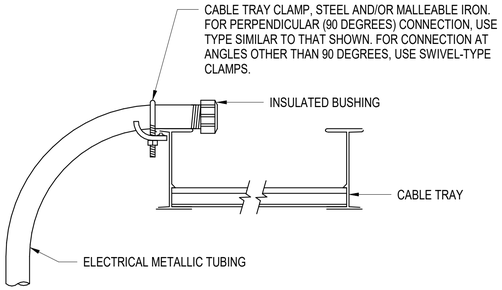
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CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230891
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TN502

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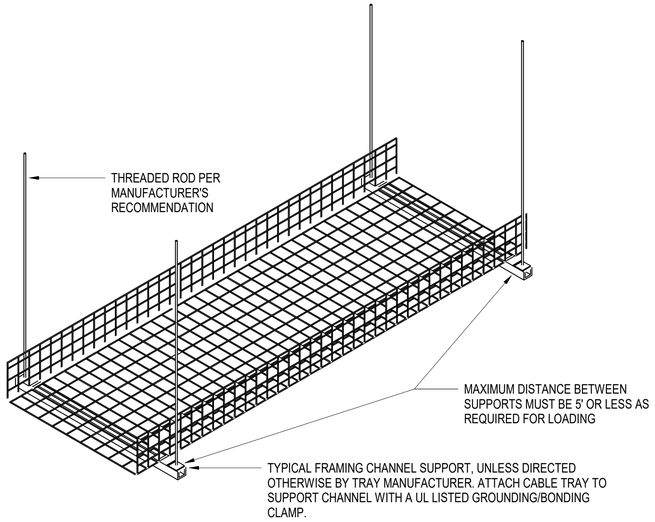
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B1 TYPICAL CONDUIT TO OVERHEAD CABLE TRAY DETAIL [L]

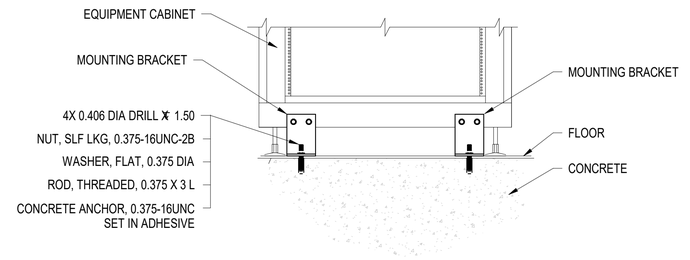
NOT TO SCALE



NOTES:
1. CENTER HUNG CABLE TRAY IS NOT ALLOWED.

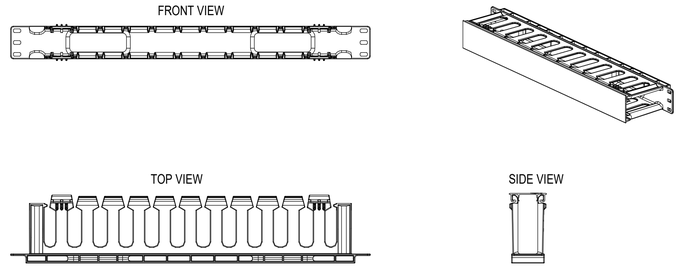
A1 TYPICAL BASKET CABLE TRAY DETAIL [L]

NOT TO SCALE



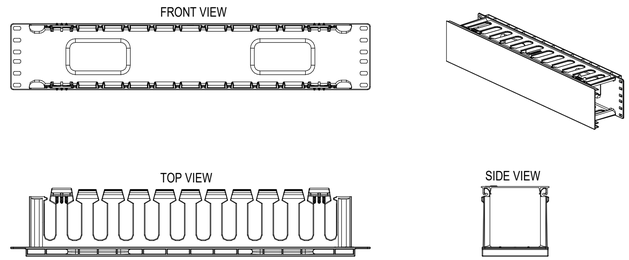
C3 TYPICAL CABINET MOUNTING DETAIL ON CONCRETE FLOOR [L]

NOT TO SCALE



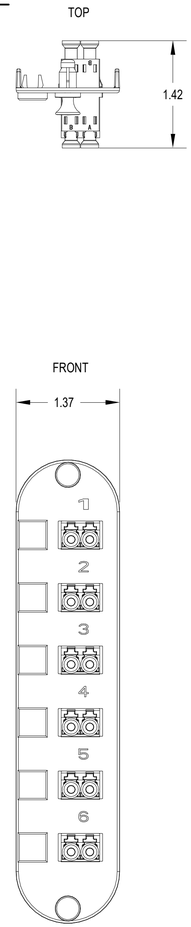
B3 TYPICAL 1RU HORIZONTAL CABLE MANAGER (WM1) [LV]

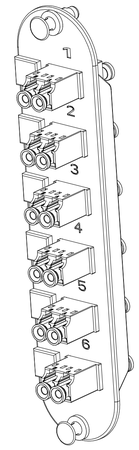
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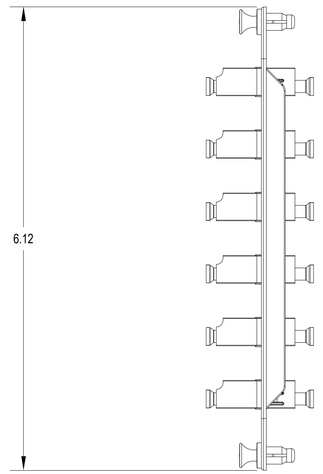


A3 TYPICAL 2RU HORIZONTAL CABLE MANAGER (WM2) [LV]

NOT TO SCALE







A4 TYPICAL 6-PORT DUPLEX LC PATCH PANEL (FPP1) [LV]

NOT TO SCALE

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RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

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1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
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BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

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PANAMA CITY, FLORIDA
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TELECOMMUNICATIONS DETAILS

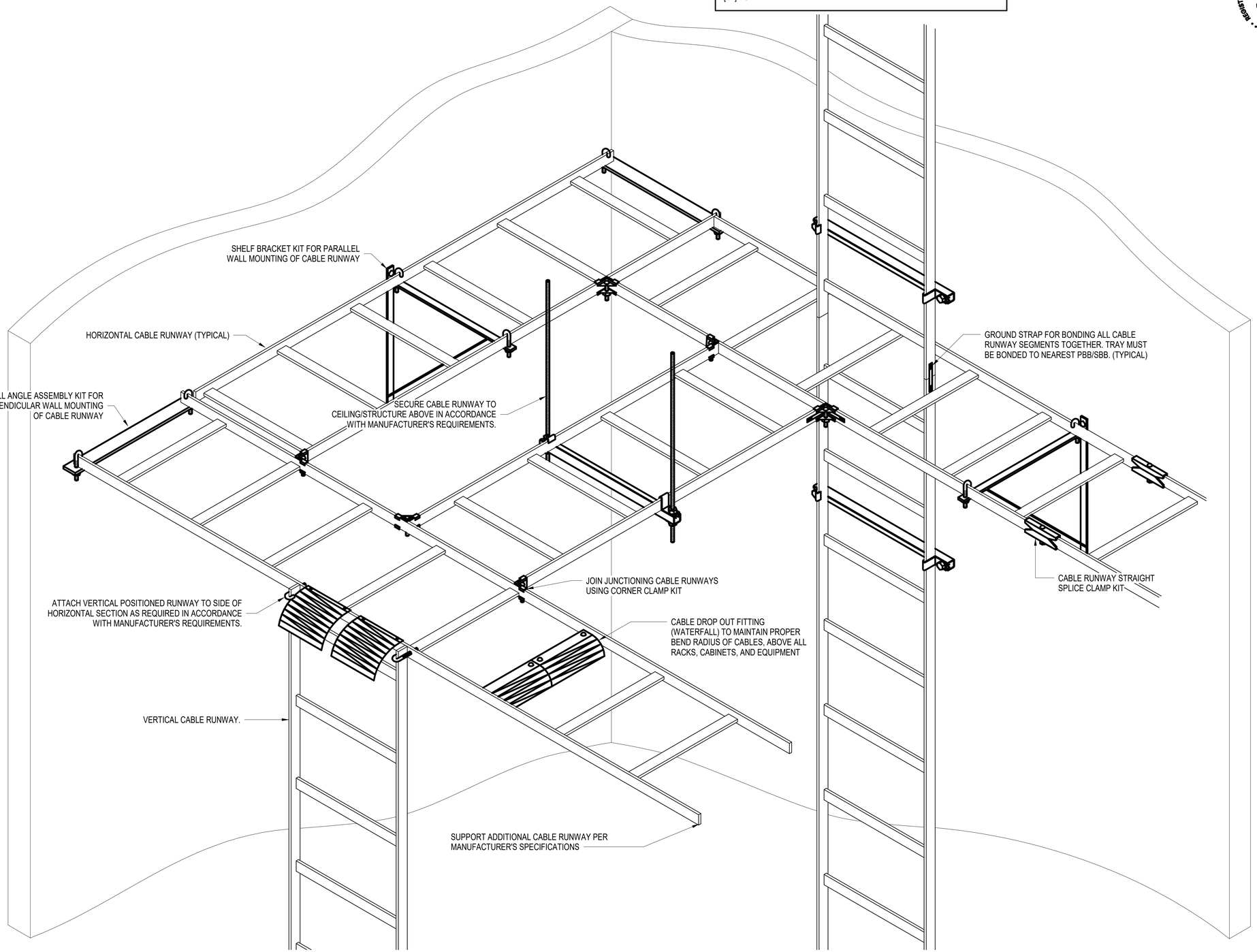
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CONSTR. CONTR. NO.
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SHEET 84 OF 98

TN503

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A1 TYPICAL CABLE RUNWAY CONNECTION DETAIL [L]

NOT TO SCALE

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CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
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NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

TELECOMMUNICATIONS DETAILS

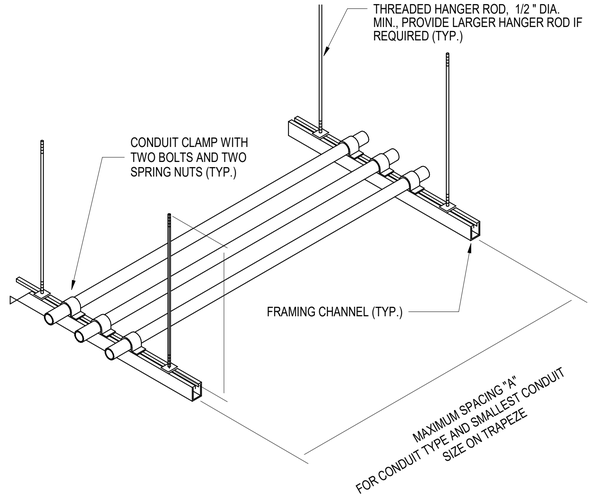
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CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230893
SHEET	85 OF 98

TN504

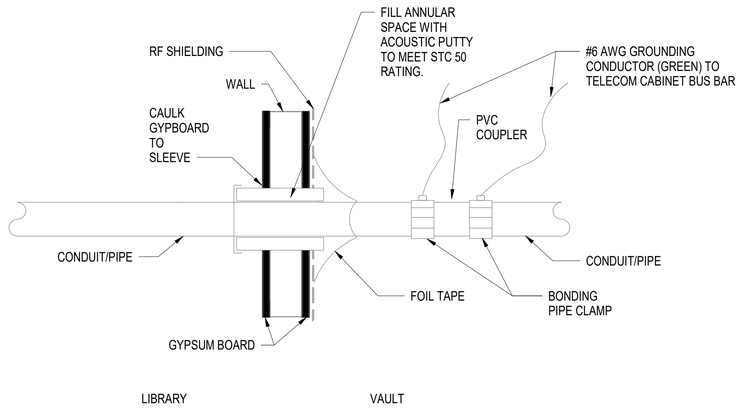
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MINIMUM CONDUIT SIZE	MAX DIST "A" (FEET)	
	CONDUIT TYPE	
	EMT	IMC
1"	12'-0"	10'-0"
1-1/4"	14'-0"	
1-1/2"	14'-0"	
2"	16'-0"	
2-1/2"	16'-0"	
3"	20'-0"	
3-1/2"	20'-0"	
4"	20'-0"	
5"	20'-0"	
6"	20'-0"	

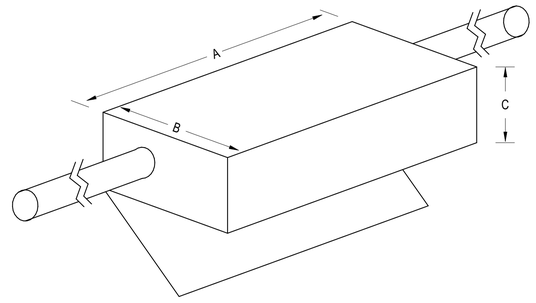


B3 TYPICAL CONDUIT TRAPEZE DETAIL [LV]
NOT TO SCALE



A2 RF SHIELDED WALL PIPE PENETRATION [V]
NOT TO SCALE

TIA-569-E PULLBOX SIZING				
CONDUIT SIZE	DIMENSIONS			WIDTH INCREASE FOR EACH ADDITIONAL CONDUIT
	A	B	C	
1"	16"	4"	3"	2"
1-1/4"	20"	6"	3"	3"
1-1/2"	27"	8"	4"	4"
2"	36"	8"	4"	5"
2-1/2"	42"	10"	5"	6"
3"	48"	12"	5"	6"
3-1/2"	54"	12"	6"	6"
4"	60"	15"	8"	8"



NOTES:
1. CONDUITS MUST ALWAYS ENTER PULLBOX FROM OPPOSITE ENDS.
2. PULLBOX MUST BE SIZED ACCORDING TO TIA-569-E.
3. CONDUIT SIZE COLUMN IS BASED ON THE LARGEST CONDUIT ENTERING THE PULLBOX.

A3 TYPICAL PULLBOX DETAIL [LV]
NOT TO SCALE

MARK	DESCRIPTION	DATE
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BICSI ID # 383688
EXPIRES 12-31-27
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RICHARD A. KEMP
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A/E INFO

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BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
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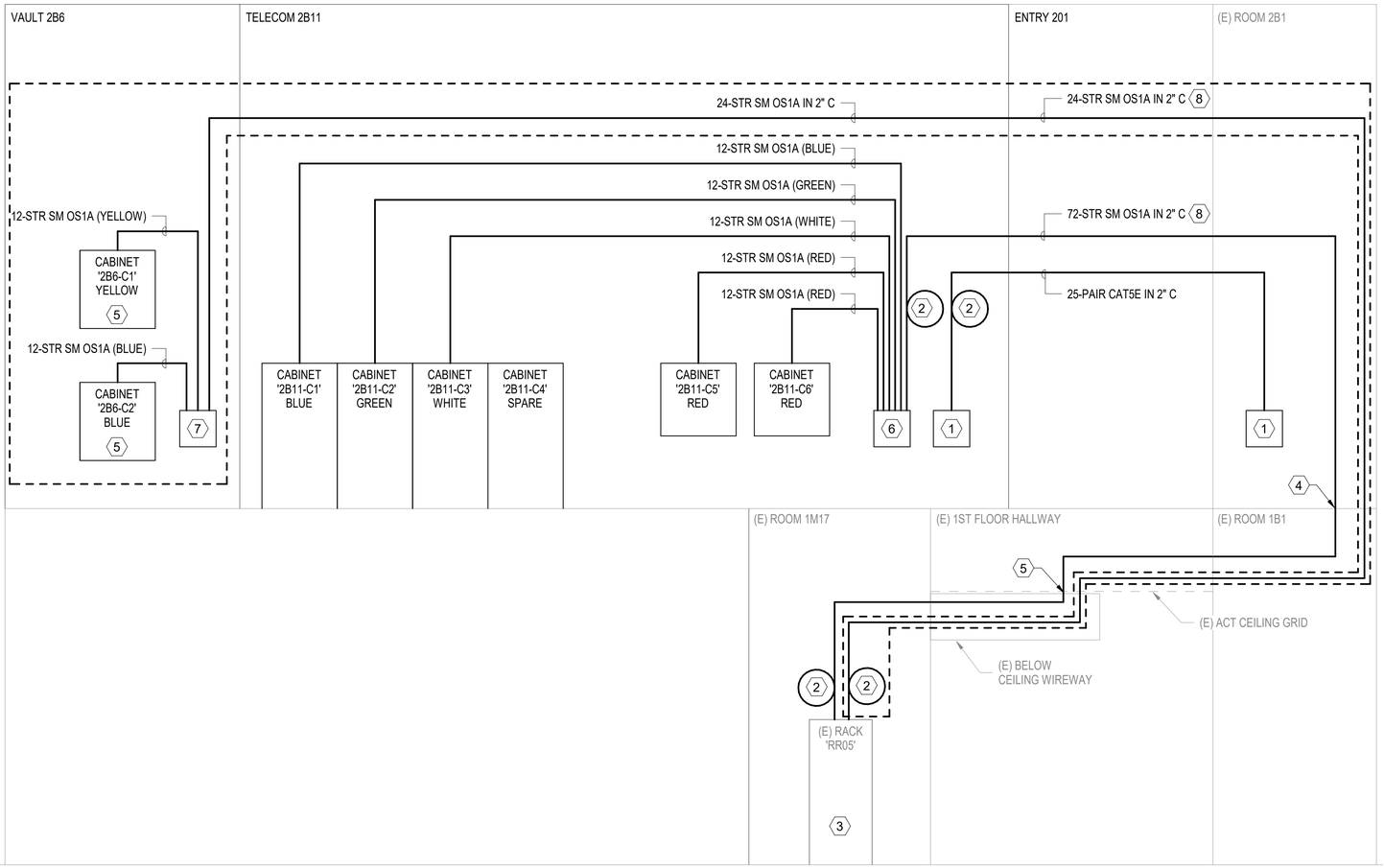
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EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230894
SHEET	86 OF 98

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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A1 TELECOMMUNICATIONS BACKBONE RISER DIAGRAM

NOT TO SCALE

SHEET NOTES

1. HALF-TONED LINES INDICATE EXISTING EQUIPMENT AND ASSOCIATED INFRASTRUCTURE.

SHEET KEYNOTES

1. PROVIDE A 25-PAIR, WALL-MOUNTED, 110-STYLE TERMINATION BLOCK.
2. PROVIDE 10' SERVICE LOOP MOUNTED ON PLYWOOD BACKBOARD.
3. PROVIDE RACK-MOUNTED, FIBER OPTIC ENCLOSURE WITH SIX (6), 6-PORT DUPLEX LC PATCH PANELS. TERMINATE BACKBONE FIBER OPTIC CABLING TO PROVIDED PATCH PANELS.
4. CORE DRILL EXISTING CONCRETE SLAB AND PROVIDE ONE (1) 2" CONDUIT SLEEVE BETWEEN ROOMS MECH 1B1 AND MECH 2B1.
5. STUB PROVIDED CONDUIT INTO EXISTING WIREWAY OUTSIDE OF ROOM 1M28. ROUTE PROVIDED FIBER OPTIC CABLE TRHOUGH WIREWAY TO ROOM 1M17.
6. PROVIDE WALL-MOUNTED FIBER OPTIC ENCLOSURE WITH THREE (3), 12-PORT DUPLEX-LC PATCH PANELS.
7. PROVIDE WALL-MOUNTED FIBER OPTIC ENCLOSURE WITH ONE (1), 12-PORT DUPLEX-LC PATCH PANELS.
8. ROUTE FIBER OPTIC CABLING WITHIN SEPARATE INNERDUCT PATHWAYS LOCATED INSIDE OF THE SAME BACKBONE CONDUIT FROM TELECOM 2B11 TO (E) ROOM 1M17.

MARK	DESCRIPTION	DATE
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COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 363688
EXPIRES 12-31-27
07/31/2026
RCDD

APPROVED
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ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
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TELECOMMUNICATIONS RISER DIAGRAMS

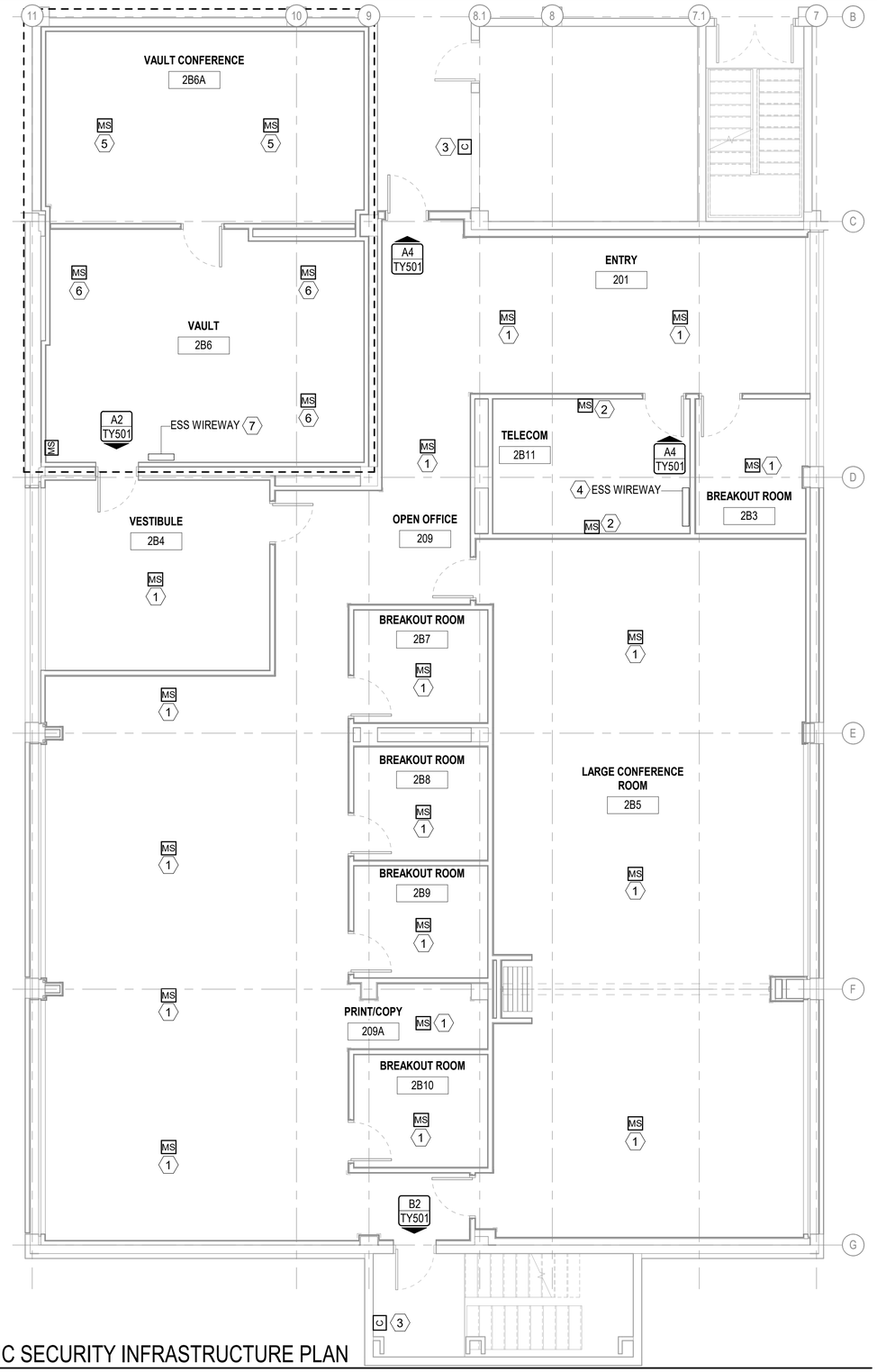
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230895
SHEET	87 OF 98

TN601

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CUI



A1 ELECTRONIC SECURITY INFRASTRUCTURE PLAN

3/16" = 1'-0"

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. SEE SHEET TY501 FOR ELECTRONIC SECURITY SYSTEM INFRASTRUCTURE DETAILS.
2. SEE SHEET TY601 FOR ELECTRONIC SECURITY SYSTEM INFRASTRUCTURE RISER DIAGRAM.

SHEET KEYNOTES

1. SURFACE MOUNT JUNCTION BOX TO LOWEST LEVEL OF THE STRUCTURE ABOVE. PROVIDE 1" EMT CONDUIT FROM THE JUNCTION BOX TO THE ESS WIREWAY LOCATED IN TELECOM 2B11.
2. SURFACE MOUNT JUNCTION BOX AT 8'-0' ABOVE FINSIHED FLOOR. PROVIDE 1" EMT CONDUIT FROM THE JUNCTION BOX TO THE ESS WIREWAY LOCATED IN TELECOM 2B11.
3. SURFACE MOUNT JUNCTION BOX AT 8'-0' ABOVE FINSIHED FLOOR. PROVIDE 1" EMT CONDUIT FROM THE JUNCTION BOX TO THE ESS WIREWAY LOCATED IN TELECOM 2B11.
4. PROVIDE 3'(L) x 6"(D) x 6"(H) ESS WIREWAY MOUNTED AT 6'-6" ABOVE FINISHED FLOOR.
5. SURFACE MOUNT JUNCTION BOX TO LOWEST LEVEL OF THE STRUCTURE ABOVE. PROVIDE 1" EMT CONDUIT FROM THE JUNCTION BOX TO THE ESS WIREWAY LOCATED IN VAULT 2B6.
6. SURFACE MOUNT JUNCTION BOX TO INTERIOR POD CEILING. PROVIDE 1" EMT CONDUIT FROM THE JUNCTION BOX TO THE ESS WIREWAY LOCATED IN VAULT 2B6.
7. PROVIDE 2'(L) x 6"(D) x 6"(H) ESS WIREWAY MOUNTED AT 6'-6" ABOVE FINISHED FLOOR.

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RICHARD A. KEMP
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SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

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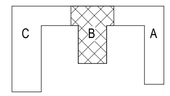
ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW RAK	CHK EAK
PM/DM	OAH/RSJ		
BRANCH MANAGER	NAS		
CHIEF ENG/ARCH	ADV		
FIRE PROTECTION	JPH		

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BICSI ID # 563668
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KEYPLAN



PLAN NORTH

GRAPHIC SCALE(S)

3/16" =1'-0"

0' 4' 8' 12'

DEPARTMENT OF THE NAVY
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PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

ELECTRONIC SECURITY INFRASTRUCTURE PLAN

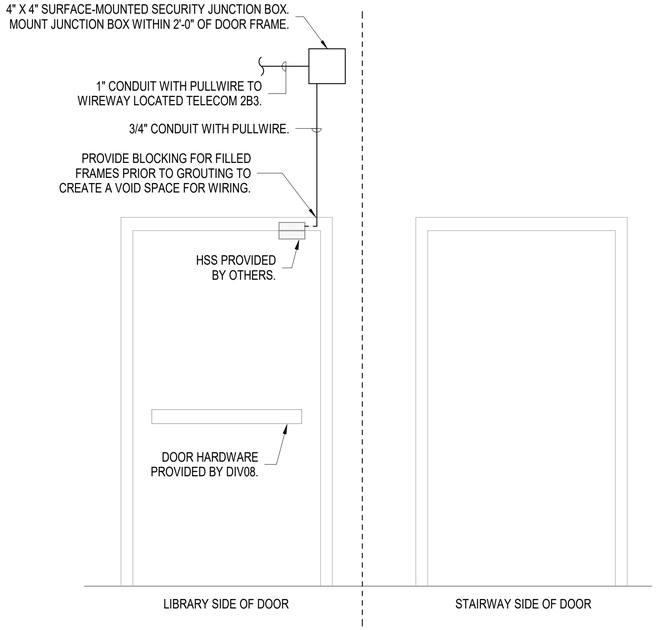
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230896
SHEET	88 OF 98

TY101

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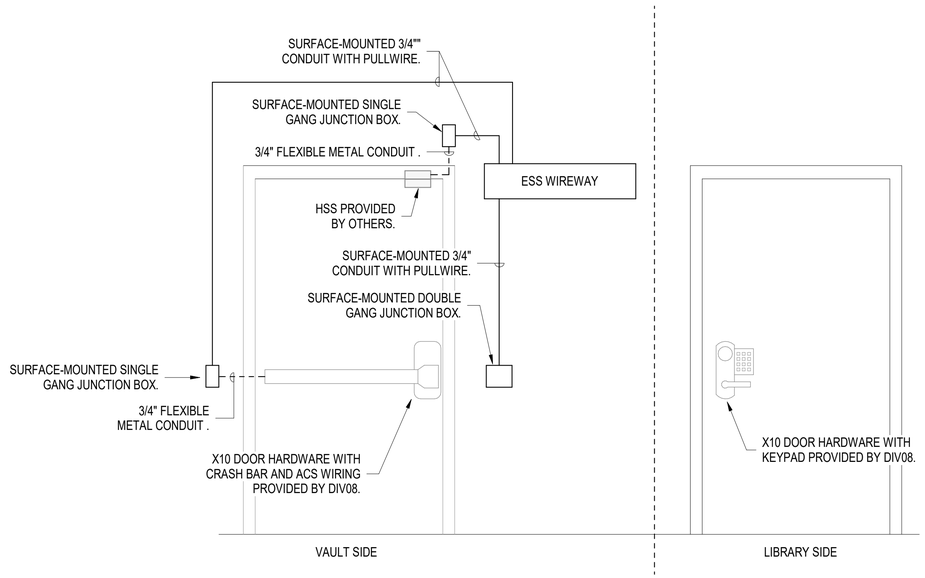
ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



NOTES:
1. PROVIDE PULLBOXES, AS REQUIRED, IN ACCORDANCE WITH TIA-569. SEE DETAIL G1/TN502. WHERE ABOVE CEILING IS NOT ACCESSIBLE, PROVIDE ACCESS PANEL FOR ACCESS TO EACH PULLBOX.

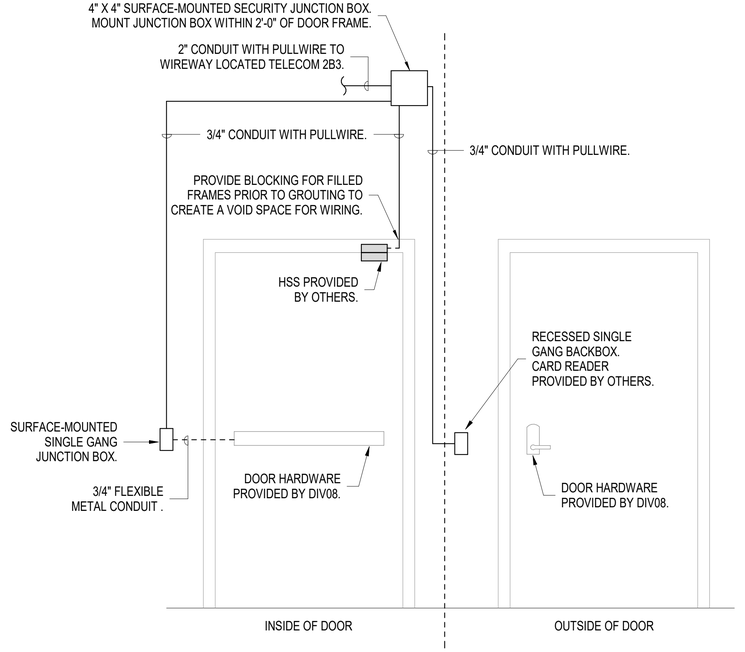
B2 ESS DOOR INFRASTRUCTURE - EMERGENCY EXIT [L]

NOT TO SCALE



A2 ESS DOOR INFRASTRUCTURE - VAULT 2B6 [V]

NOT TO SCALE



NOTES:
1. PROVIDE PULLBOXES, AS REQUIRED, IN ACCORDANCE WITH TIA-569. SEE DETAIL G1/TN502. WHERE ABOVE CEILING IS NOT ACCESSIBLE, PROVIDE ACCESS PANEL FOR ACCESS TO EACH PULLBOX.

A4 ESS DOOR INFRASTRUCTURE - SINGLE DOOR [L]

NOT TO SCALE

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COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
07/31/2026
PROFESSIONAL ENGINEER
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PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

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NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

ELECTRONIC SECURITY INFRASTRUCTURE DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230897
SHEET	89 OF 98

TY501

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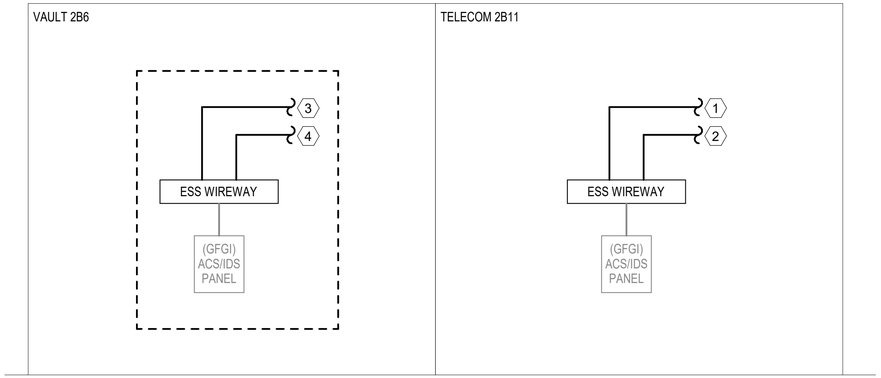
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

SHEET KEYNOTES

1. PROVIDE 2" EMT CONDUIT TO EACH ABOVE DOOR JUNCTION BOX AS INDICATED ON SHEET TY101.
2. PROVIDE 1" EMT, SURFACE-MOUNTED CONDUIT TO EACH MOTION SENSOR JUNCTION BOX, LOCATED OUTSIDE OF VAULT 2B6, AS INDICATED ON SHEET TY101.
3. PROVIDE 3/4" EMT CONDUITS FOR VARIOUS DOOR DEVICES, AS INDICATED BY DETAIL A3/TY501.
4. PROVIDE 1" EMT, SURFACE-MOUNTED CONDUIT TO EACH MOTION SENSOR JUNCTION BOX, WITHIN VAULT 2B6, AS INDICATED ON SHEET TY101.



A3 ELECTRONIC SECURITY INFRASTRUCTURE RISER DIAGRAM

NOT TO SCALE

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

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COMMONWEALTH OF VIRGINIA
RICHARD A. KEMP
Lic. No. 0402066507
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CHESAPEAKE, VIRGINIA 23320

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ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	RAK	DRW	RAK	CHK	EAK

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Richard Kemp
BICSI ID # 363688
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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

ELECTRONIC SECURITY INFRASTRUCTURE RISER DIAGRAMS

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230898
SHEET 90 OF 98

TY601

DRAWFORM REVISION: 14 SEP 2023

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CUI

GENERAL AUDIOVISUAL NOTES

AUDIOVISUAL SYSTEMS

1. INFORMATION SHOWN FOR ELECTRICAL, MECHANICAL, TELECOMMUNICATIONS OR OTHER DISCIPLINES/TRADES IS FOR COORDINATION PURPOSES ONLY. REFER TO DOCUMENTATION FROM EACH DISCIPLINE FOR ADDITIONAL AND COMPLETE INFORMATION.
2. SPECIFIED HEIGHTS ARE TO THE CENTER OF THE DEVICE RELATIVE TO THE FINISHED FLOOR UNLESS OTHERWISE NOTED.
3. INSTALL WALLPLATES AT STANDARD OUTLET HEIGHT UNLESS OTHERWISE NOTED.
4. CABLING INSTALLED ABOVE CEILING MUST BE PLENUM-RATED
5. OVERHEAD CABLING MAY BE INSTALLED USING NON-CONTINUOUS CABLE SUPPORTS IN COMPLIANCE WITH UFC 3-580-01. WHEN USING NON-CONTINUOUS CABLE SUPPORTS, CABLING MUST BE SUPPORTED IN ACCORDANCE WITH TIA-569-D.
6. SPECIFICATIONS AND DESIGN DEPICTED WITHIN THE AV DRAWINGS PERTAIN TO THE SPECIFIED BASIS OF DESIGN EQUIPMENT. FINAL EQUIPMENT PROVIDED BY THE AVC MAY DIFFER. THE AVC MUST FIELD VERIFY EQUIPMENT LOCATIONS AND REQUIREMENTS BASED ON FINAL, APPROVED EQUIPMENT AND MAKE ADJUSTMENTS AS NEEDED. ADJUSTMENTS MUST BE COORDINATED WITH THE PROJECT TEAM AND STAKEHOLDERS.
7. PROVIDE RUBBERIZED GROMMET PLATES FOR INSTANCES WHERE CABLING ENTERS/EXITS A WALL WITHOUT A TERMINATION PLATE.

TELECOMUNICATIONS AND CABLING

1. CATV/CCTV REQUIREMENTS ARE SHOWN FOR COORDINATION PURPOSES ONLY. WHEN TV TUNERS ARE LOCATED IN AV EQUIPMENT RACKS OR BEHIND AV DISPLAYS, THE AVC IS RESPONSIBLE FOR PROVIDING MOUNTING HARDWARE.
2. THE AVC IS RESPONSIBLE FOR CONNECTIONS/CABLING BETWEEN THE TUNERS AND THE AV SYSTEMS AND CABLING FROM THE TUNER TO THE NEARBY RF OUTLET.
3. TELE/DATA DROPS IDENTIFIED WITHIN THE AV DRAWINGS ARE FOR COORDINATION PURPOSES ONLY AND ARE REQUIRED FOR FULL FUNCTIONALITY OF THE SPECIFIED AV SYSTEMS. REFER TO TELECOMMUNICATIONS DRAWINGS FOR COMPLETE TELE/DATA CABLING REQUIREMENTS.
4. INSTALL TELE/DATA FACEPLATES AT STANDARD OUTLET HEIGHT; UNLESS OTHERWISE NOTED.

CABLE PATHWAYS

1. CONDUITS MUST BE FURNISHED AND INSTALLED BY THE GC. CONDUITS FOR AV CABLING MUST COMPLY WITH ANSI/TIA-569-C 2012
2. INSTALL CONDUITS WITHIN WALLS AND ABOVE CEILINGS UNLESS OTHERWISE NOTED.
3. REFER TO THE TELECOMMUNICATIONS DRAWINGS AND SPECIFICATIONS FOR PATHWAY REQUIREMENTS AND INSTALLATION DETAILS.
4. CONDUITS FOR AV USE MUST BE EMT (ELECTICAL METIC TUBING) TYPE UNLESS OTHERWISE NOTED.
5. NO MORE THAN THE EQUIVALENT OF TWO 90° BENDS, OR EQUIVALENT, IN CONDUIT BETWEEN PULL POINTS.
6. FOR CONDUITS WITH AN INTERNAL DIAMETER OF 2" OR LESS, CONDUIT BEND RADIUS must BE AT LEAST 6 TIMES THE CONDUIT INTERNAL DIAMETER. FOR CONDUITS WITH AN INTERNAL DIAMETER GREATER THAN 4", CONDUIT BEND RADIUS must BE AT LEAST 10 TIMES THE CONDUIT INTERNAL DIAMETER.
7. PROVIDE AN ACCESSIBLE JUNCTION/PULL BOX AT LEAST EVERY 100 FEET OF CONTINUOUS CONDUIT RUN
8. SPECIFIED CONDUIT SIZES ARE THE MINIMUM ACCEPTABLE SIZES TO ACCOMMODATE THE REQUIRED AV CABLING.
9. CONDUIT PATHWAYS MUST BE AS DIRECT AS POSSIBLE FROM ORIGIN TO DESTINATION. NOTIFY THE AVD IF PATHWAYS EXCEED 125% OF THE SHORTEST POSSIBLE CABLE ROUTE; UNLESS OTHERWISE NOTED.
10. CONDUITS INDICATED WITHIN AV SYSTEMS DRAWINGS ARE FOR AUDIOVISUAL USE ONLY; UNLESS OTHERWISE NOTED.
11. TERMINATE CONDUITS WITH AN INSULATED PLASTIC BUSHING
12. PROVIDE NYLON PULL STRING IN CONDUITS.

ELECTRICAL NOTES

1. ELECTRICAL REQUIREMENTS SHOWN IN THE AV DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL DRAWINGS FOR COMPLETE ELECTRICAL SYSTEMS INFORMATION AND REQUIREMENTS.
2. POWER RECEPTACLES INDICATED WITHIN AV DRAWINGS ARE FOR AUDIOVISUAL USE ONLY UNLESS OTHERWISE NOTED.
3. CIRCUITS AND RECEPTACLES ARE TO PROVIDE 120V, 20A SERVICE UNLESS OTHERWISE NOTED.
4. PROVIDE NEMA 5-20R RECEPTACLES FOR AV EQUIPMENT UNLESS OTHERWISE NOTED.
5. INSTALL WALL BOXES AND RECEPTACLES AT STANDARD OUTLET HEIGHT; UNLESS OTHERWISE NOTED.

ABBREVIATIONS

TEXT	DEFINITION
ACT	ACOUSTIC CEILING TILE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISH FLOOR
ATC	AUDIO TELECONFERENCING
AV	AUDIOVISUAL
AVC	AUDIOVISUAL SYSTEMS CONTRACTOR
AVD	AUDIOVISUAL SYSTEMS DESIGNER
BGM	BACKGROUND MUSIC
C	CONUIT, EMT TYPE UNLESS NOTED OTHERWISE
CATV	CABLE/COMMUNITY ACCESS TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFGI	CONTRACTOR FURNISHED, GOVERNMENT INSTALLED
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL OR EQUIDISTANT
FF&E	FURNITURE, FIXTURES AND EQUIPMENT
GC	GENERAL CONTRACTOR
GFCI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
LV	LOW VOTLAGE
MAX.	MAXIMUM
MEP	MECHANICAL, ELECTRICAL, PLUBMING ENGINEERS
MIN.	MINIMUM
NIC	NOT IN CONTRACT; SPECIFIC TO AUDIOVISUAL CONTRACT
PC	PERSONAL COMPUTER/DESKTOP/LAPTOP
PoE	POWER OVER ETHERNET
PoE+	POWER OVER ETHERNET PLUS
POTS	"PLAIN OLD TELEPHONE SERVICE" ANALOG TELEPHONE LINE
PTT	PUSH TO TALK
PTZ	PAN, TILT, ZOOM (CAMERA FUNCTIONALITY)
RX	SIGNAL RECEIVER
STB	SET TOP BOX
TBD	TO BE DETERMINED
TCC	TELECOMMUNICATIONS/CABLING CONTRACTOR
TX	SIGNAL TRANSMITTER
TYP.	TYPICAL, APPLICABLE TO SIMILAR OCCURRENCES
U.O.N.	UNLESS OTHERWISE NOTED
V.I.F.	VERIFY IN FIELD
VTC	VIDEO TELECONFERENCING

SYMBOL: TAG

AUDIOVISUAL INFRASTRUCTURE SYMBOLS

TAG	DESCRIPTION	NOTES
BBA	CUSTOM AV DEVICE BACK BOX; TYPE A	
C1	CATV CABLE DROP FOR CABLE TV SET-TOP-BOX; SINGLE CABLE/CONNECTION	
FB1	FLOOR BOX WITH (1) 1-GANG OPENNG FOR AV WITH (1) 1" CONDUIT STUBBED OUT ABOVE CEILING U.O.N.	
FB2	FLOOR BOX WITH (1) 2-GANG OPENNG FOR AV WITH (1) 1" CONDUIT STUBBED OUT ABOVE CEILING U.O.N.	
JB1	1-GANG IN-WALL JUNCTION BOX WITH (1) 1" CONDUIT STUBBED OUT ABOVE CEILING U.O.N	
JB2	2-GANG IN-WALL JUNCTION BOX WITH (2) 1" CONDUITS STUBBED OUT ABOVE CEILING U.O.N	
JB3	3-GANG IN-WALL JUNCTION BOX WITH (3) 1" CONDUITS STUBBED OUT ABOVE CEILING U.O.N	
JB4	4-GANG IN-WALL JUNCTION BOX WITH (4) 1" CONDUITS STUBBED OUT ABOVE CEILING U.O.N	
JBA	LARGE JUNCTION BOX; TYPE A. 8X8 IN-WALL BOX WITH (2) 1-/2" CONDUITS AND (1) 1" CONDUIT STUBBED OUT ABOVE CEILING IN ROOM	
LP1	208V LOCKING POWER RECEPTACLE; NEMA 5-30L	
NG1	GREEN NETWORK CABLE DROP; SINGLE PORT/CONNECTION	
NO1	ORANGE NETWORK CABLE DROP; SINGLE PORT/CONNECTION	
NP1	PURPLE NETWORK CABLE DROP; SINGLE PORT/CONNECTION	
NR1	RED NETWORK CABLE DROP; SINGLE PORT/CONNECTION	
NY1	YELLOW NETWORK CABLE DROP; SINGLE PORT/CONNECTION	
P2	110V DUPLEX POWER RECEPTACLE; NEMA 5-20R	
P4	110V QUADRUPLEX POWER RECEPTACLE; NEMA 5-20R	
PE	110V EQUIPMENT POWER; HARD-WIRED	

ALL INFRASTRUCTURE TO BE PROVIDED BY THE GENERAL CONTRACTOR UNDER THE BASE CONSTRUCTION SCOPE OF WORK. COORDINATE ALL INFRASTRUCTURE WITH AV VENDOR AND FINAL, SELECTED PRODUCTS.

AUDIOVISUAL EQUIPMENT SCHEDULE

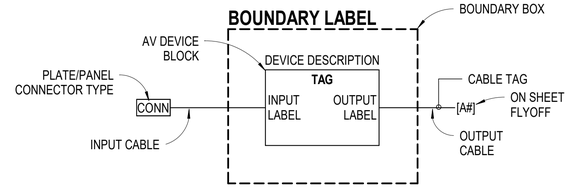
TAG	DESCRIPTION	COUNT	NOTES
CM1	CEILING MICROPHONE ARRAY	6	
CR1	AV CREDENCA/RACK CABINET; SINGLE BAY	1	
CS1	CEILING SPEAKER; SUSPENDED PENDANT STYLE	10	
FP1	98"/100" FLAT PANEL LCD DISPLAY	3	
FP2	85"/90" FLAT PANEL LCD DISPLAY (GFGI)	2	
FP3	50"/55" FLAT PANEL LCD DISPLAY	5	
PJ1	CEILING-MOUNTED PROJECTOR	1	
PS1	119" 16:9 MOTORIZED PROJECTION SCREEN	1	
TP1	10" TOUCH PANEL CONTROLLER; TABLETOP	1	
TP2	10" TOUCH PANEL CONTROLLER; WALL-MOUNTED	3	
VB1	VIDEO CONFERENCING BAR (GFGI)	7	
VC1	VIDEO CAMERA WITH PTZ OPERATION AND OPTICAL ZOOM LENS	2	
WP1	2-GANG CUSTOM AV WALLPLATE FOR PRESENTATION AND CONFERENCING	2	
WP2	2-GANG CUSTOM AV WALLPLATE FOR PRESENTATION	1	

AUDIOVISUAL CABLING SCHEDULE

CABLE TAG	DESCRIPTION	NOTES
16/2	16 AWG, SINGLE TWISTED PAIR SPEAKER CABLE	
22/2S	22 AWG, SINGLE TWISTED PAIR SHIELDED CABLE FOR AUDIO/CONTROL	
22/4S	<varies>	
C6/STP	CATEGORY 6 STP SHIELDED CABLE FOR 1G ETHERNET APPLICATIONS	
C6/UTP	CATEGORY 6 UTP UNSHIELDED CABLE FOR 1G ETHERNET APPLICATIONS	
C6A/FUTP	CATEGORY 6A F/UTP SHIELDED CABLE FOR 10G ETHERNET APPLICATIONS	
OM3	OM3 MULTI-MODE FIBER OPTIC CABLING	
OS2	OS2 SINGLE-MODE FIBER OPTIC CABLING	

AUDIOVISUAL CABLING PROVIDED AND TERMINATED BY THE AV VENDOR. CABLING must BE RATED FOR IN-WALL, PLENUM OR BELOW-GROUND/DIRECT BURIAL AS REQUIRED PER INSTANCE.

AUDIOVISUAL LINE DIAGRAMS LEGEND



REFER TO AV COST ESTIMATE OR BASIS OF DESIGN EQUIPMENT LIST FOR FULL LIST OF TAGGED AV EQUIPMENT.

DATE	DESCRIPTION	MARK
07/31/2026	ISSUED FOR BID	0

NAVFAC

Certified Technology Specialist-Design
CTS-D
Andrew S. Bennett
#2326698
Expires:
2028/01/31
07/31/2026 SEAL

BURNS McDONNELL
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PM/DM OAH/RSJ

BRANCH MANAGER NAS

CHIEF ENG/ARCH ADV

FIRE PROTECTION JPH

DEPARTMENT OF THE NAVY
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NAVAL AIR STATION - JACKSONVILLE, FLORIDA

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PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

AUDIOVISUAL SYMBOLS, LEGEND, ABBREVIATIONS, AND NOTES

SCALE: AS NOTED

EPROJECT NO.: 1799717

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
15230899

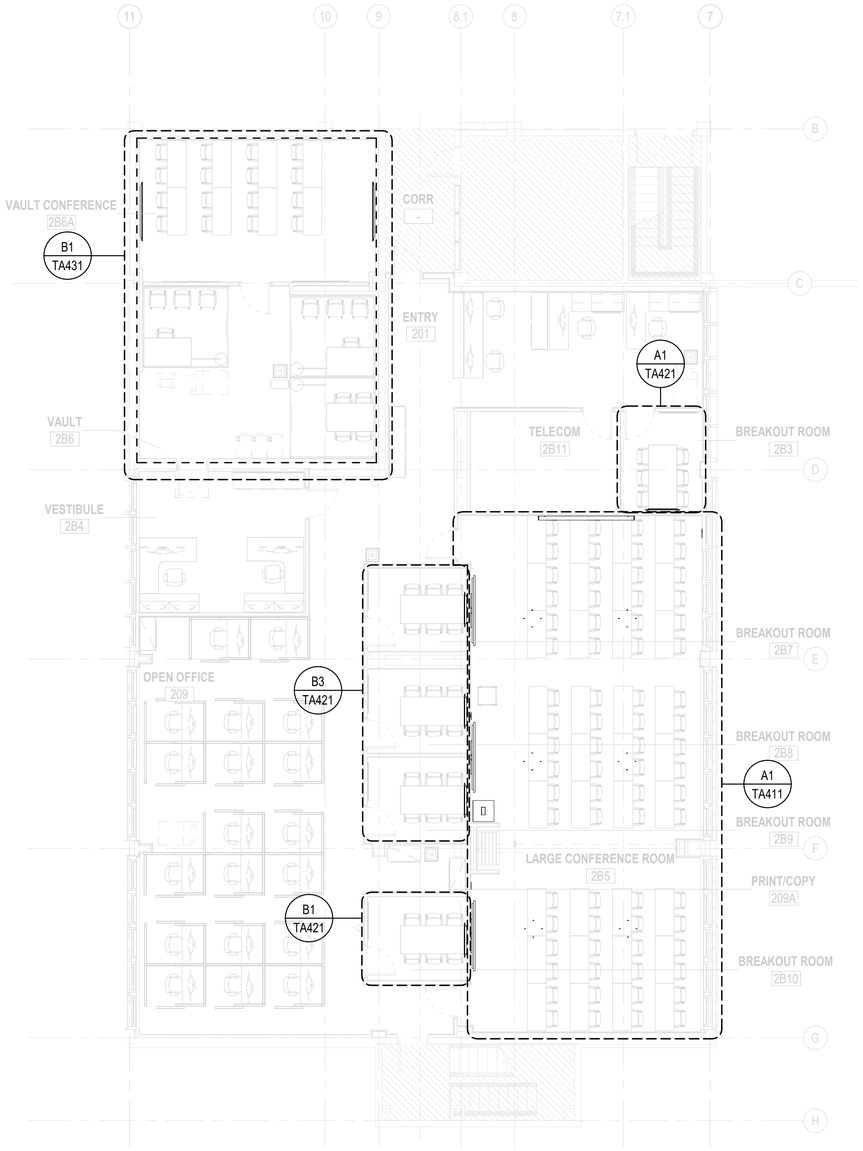
SHEET 91 OF 98

TA001

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:58:54 AM TA001
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ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

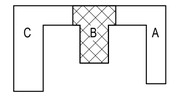


A2 SECOND FLOOR PLAN - AREA B [LV]
SCALE: 1/8" = 1'-0"

SHEET NOTES

1. SEE ENLARGED PLANS FOR AUDIOVISUAL EQUIPMENT INFORMATION

KEYPLAN



GRAPHIC SCALE(S)

1/8" =1'-0" 0' 4' 8' 16'

PLAN NORTH

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Certified Technology Specialist-Design
CTS-D
Andrew S. Bennett
#2326698
Expires:
2028/01/31
07/31/2026 SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	DRW	CHK
ASB	ASB	PWK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
SECOND FLOOR PLAN - AREA B

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230900
SHEET	92 OF 98

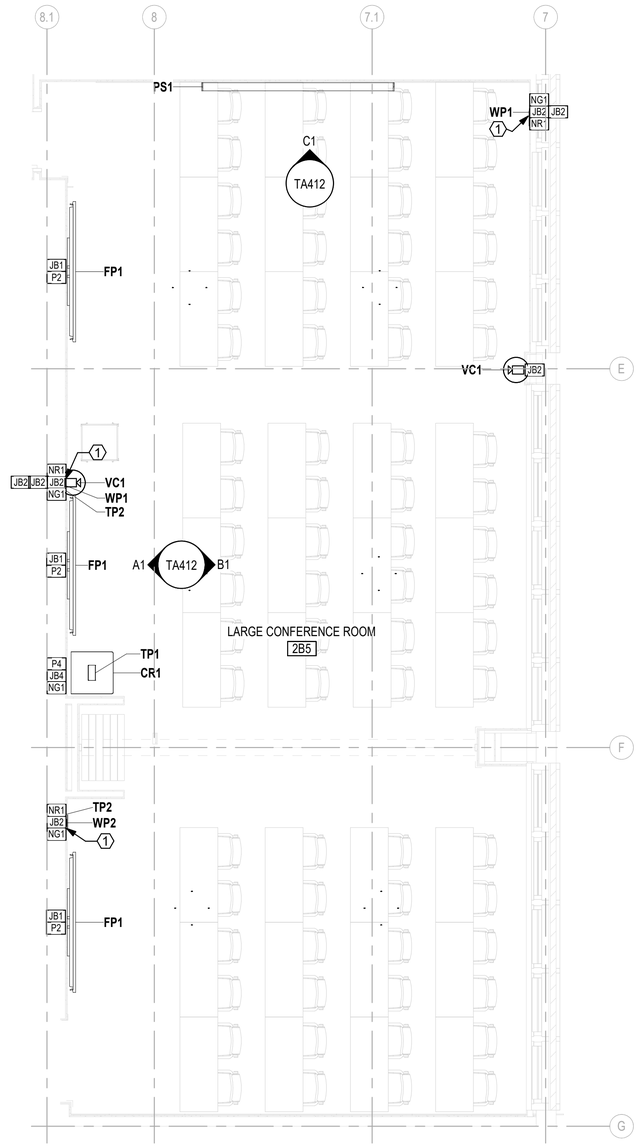
TA102

DRAWFORM REVISION: 14 SEP 2023

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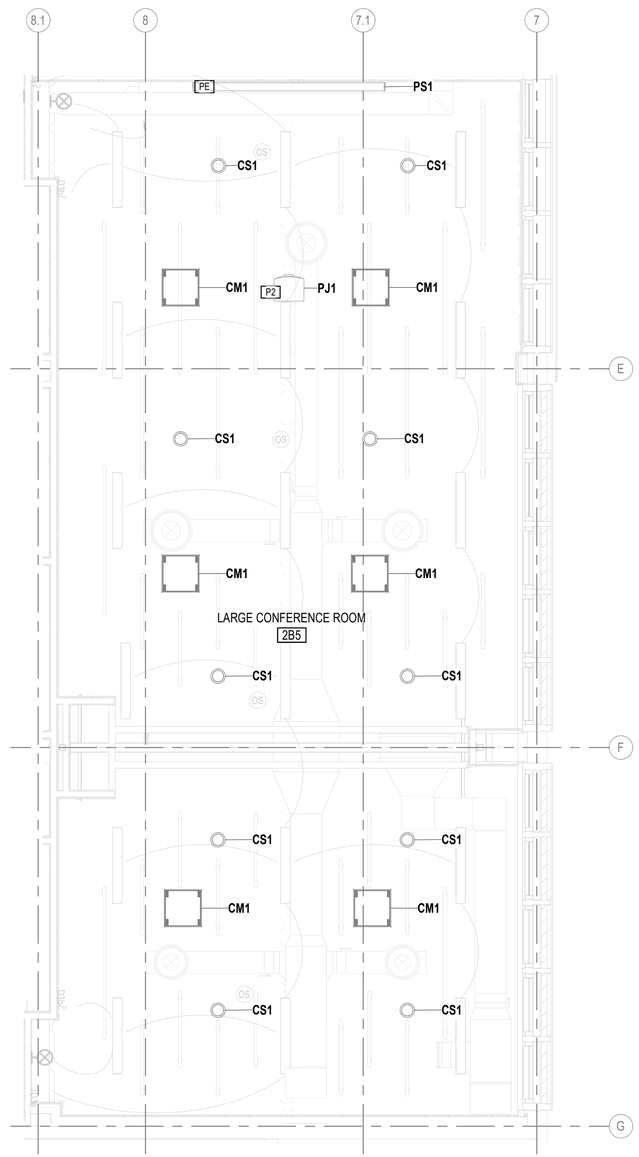
CUI

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



A2 TA102 A1 ENLARGED FLOOR PLAN - LARGE CONF RM [L]

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



A3 ENLARGED CEILING PLAN - LARGE CONF RM [L]

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

PLAN NORTH

SHEET NOTES

1. AUDIOVISUAL EQUIPMENT SHOWN REPRESENTS THE BASIS OF DESIGN PRODUCTS. CONFIRM EQUIPMENT DIMENSIONS, INSTALLATION DETAILS AND INFRASTRUCTURE REQUIREMENTS WITH AV VENDOR FOR FINAL, SELECTED EQUIPMENT.
2. PROVIDE 3/4" IN-WALL PLYWOOD BLOCKING AT ALL WALL-MOUNTED DISPLAY LOCATIONS.

SHEET KEYNOTES

1. AV WALLPLATE AND WALL CONNECTIONS FOR LECTERN.

AUDIOVISUAL DEVICE SCHEDULE

TAG	DESCRIPTION
CM1	CEILING MICROPHONE ARRAY
CR1	AV CREDENCA/RACK CABINET; SINGLE BAY
CS1	CEILING SPEAKER; SUSPENDED PENDANT STYLE
FP1	98"/100" FLAT PANEL LCD DISPLAY
PJ1	CEILING-MOUNTED PROJECTOR
PS1	119" 16:9 MOTORIZED PROJECTION SCREEN
TP1	10" TOUCH PANEL CONTROLLER; TABLETOP
TP2	10" TOUCH PANEL CONTROLLER; WALL-MOUNTED
VC1	VIDEO CAMERA WITH PTZ OPERATION AND OPTICAL ZOOM LENS
WP1	2-GANG CUSTOM AV WALLPLATE FOR PRESENTATION AND CONFERENCING
WP2	2-GANG CUSTOM AV WALLPLATE FOR PRESENTATION

XX INFRASTRUCTURE SYMBOLS

TAG	DESCRIPTION
JB1	1-GANG IN-WALL JUNCTION BOX WITH (1) 1" CONDUIT STUBBED OUT ABOVE CEILING U.O.N
JB2	2-GANG IN-WALL JUNCTION BOX WITH (2) 1" CONDUITS STUBBED OUT ABOVE CEILING U.O.N
JB4	4-GANG IN-WALL JUNCTION BOX WITH (4) 1" CONDUITS STUBBED OUT ABOVE CEILING U.O.N
NG1	GREEN NETWORK CABLE DROP; SINGLE PORT/CONNECTION
NR1	RED NETWORK CABLE DROP; SINGLE PORT/CONNECTION
P2	110V DUPLEX POWER RECEPTACLE; NEMA 5-20R
P4	110V QUADRUPLEX POWER RECEPTACLE; NEMA 5-20R
PE	110V EQUIPMENT POWER; HARD-WIRED

GRAPHIC SCALE(S)

1/4" =1'-0" 0' 2' 4' 8'

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Certified Technology Specialist-Design CTS-D Andrew S. Bennett #2326698 Expires: 2028/01/31

07/31/2026 SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES ASB | DRW ASB | CHK PWK

PM/DM OAH/RSJ
BRANCH MANAGER NAS
CHIEF ENG/ARCH ADV
FIRE PROTECTION JPH

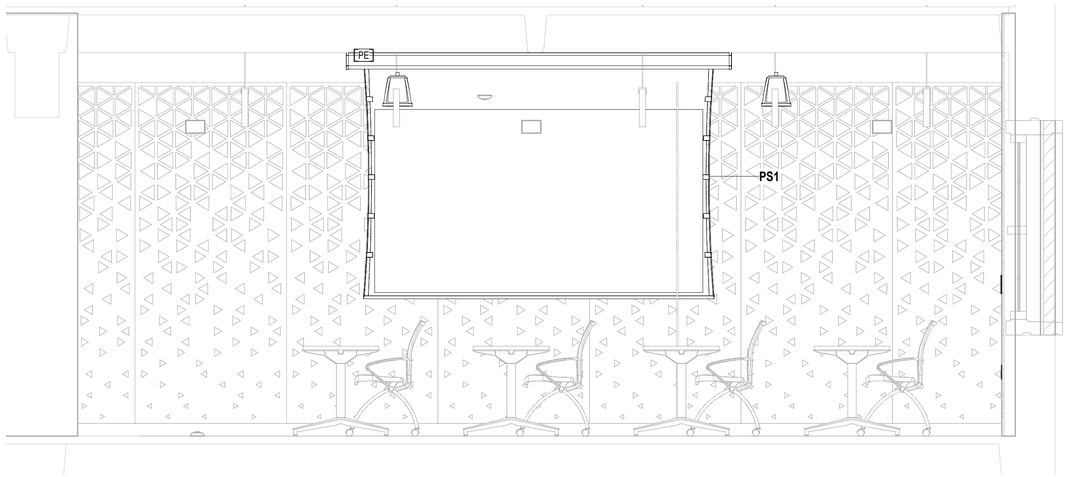
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
AUDIOVISUAL ENLARGED PLANS - LARGE CONFERENCE ROOM

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230901
SHEET 93 OF 98

TA411

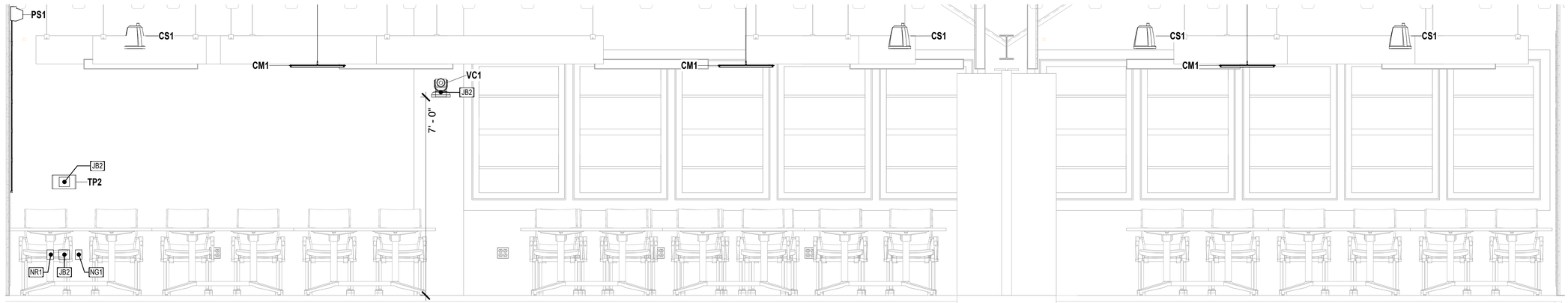
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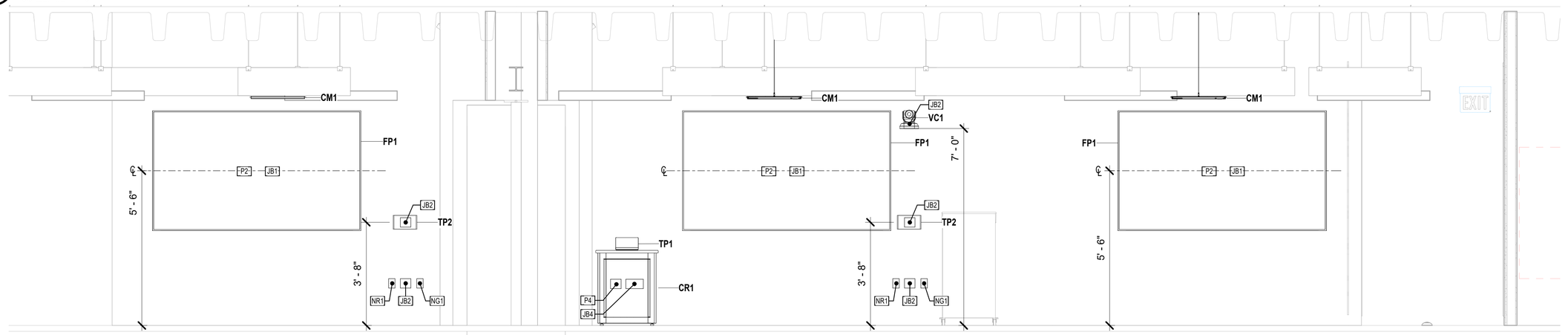
A1 TA411 C1 LARGE CONF RM - SIDE WALL ELEVATION [L]

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



A1 TA411 B1 LARGE CONF RM - REAR WALL ELEVATION [L]

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



A1 TA411 A1 LARGE CONF RM - FRONT WALL ELEVATION [L]

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

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

SHEET NOTES

1. AUDIOVISUAL EQUIPMENT SHOWN REPRESENTS THE BASIS OF DESIGN PRODUCTS. CONFIRM EQUIPMENT DIMENSIONS, INSTALLATION DETAILS AND INFRASTRUCTURE REQUIREMENTS WITH AV VENDOR FOR FINAL, SELECTED EQUIPMENT.
2. PROVIDE 3/4" IN-WALL PLYWOOD BLOCKING AT ALL WALL-MOUNTED DISPLAY LOCATIONS.

AUDIOVISUAL DEVICE SCHEDULE

TAG	DESCRIPTION
CM1	CEILING MICROPHONE ARRAY
CR1	AV CREDENCA/RACK CABINET; SINGLE BAY
CS1	CEILING SPEAKER; SUSPENDED PENDANT STYLE
FP1	98"/100" FLAT PANEL LCD DISPLAY
PS1	119" 16:9 MOTORIZED PROJECTION SCREEN
TP1	10" TOUCH PANEL CONTROLLER; TABLETOP
TP2	10" TOUCH PANEL CONTROLLER; WALL-MOUNTED
VC1	VIDEO CAMERA WITH PTZ OPERATION AND OPTICAL ZOOM LENS
WP1	2-GANG CUSTOM AV WALLPLATE FOR PRESENTATION AND CONFERENCING
WP2	2-GANG CUSTOM AV WALLPLATE FOR PRESENTATION

XX INFRASTRUCTURE SYMBOLS

TAG	DESCRIPTION
JB1	1-GANG IN-WALL JUNCTION BOX WITH (1) 1" CONDUIT STUBBED OUT ABOVE CEILING U.O.N
JB2	2-GANG IN-WALL JUNCTION BOX WITH (2) 1" CONDUITS STUBBED OUT ABOVE CEILING U.O.N
JB4	4-GANG IN-WALL JUNCTION BOX WITH (4) 1" CONDUITS STUBBED OUT ABOVE CEILING U.O.N
NG1	GREEN NETWORK CABLE DROP; SINGLE PORT/CONNECTION
NR1	RED NETWORK CABLE DROP; SINGLE PORT/CONNECTION
P2	110V DUPLEX POWER RECEPTACLE; NEMA 5-20R
P4	110V QUADRUPLEX POWER RECEPTACLE; NEMA 5-20R
PE	110V EQUIPMENT POWER; HARD-WIRED

GRAPHIC SCALE(S)

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Certified Technology Specialist-Design CTS-D Andrew S. Bennett #2326698 Expires: 2028/01/31 07/31/2026 SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	ASB	DRW	ASB	CHK	PWK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA

NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

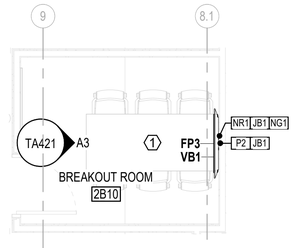
AUDIOVISUAL ENLARGED PLANS - LARGE CONFERENCE ROOM

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230902
SHEET	94 OF 98

TA412

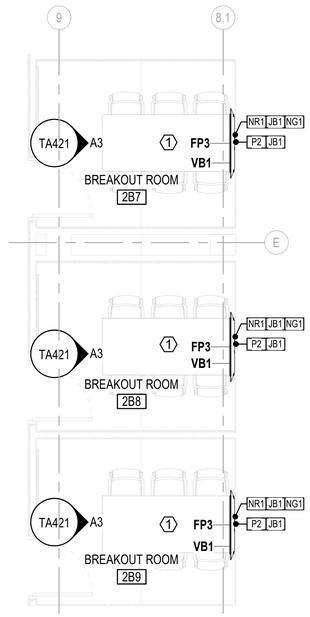
DRAWFORM REVISION: 14 SEP 2023

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



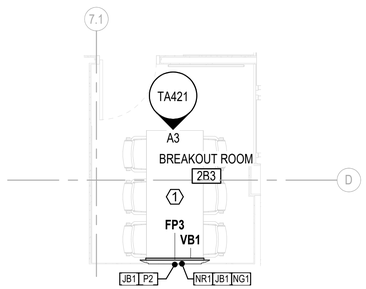
A2 TA102 **B1** ENLARGED FLOOR PLAN - BREAKOUT ROOM 2B10 [L]

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



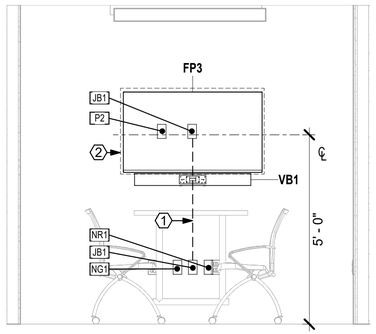
A2 TA102 **B3** ENLARGED FLOOR PLAN - BREAKOUT ROOMS 2B7, 2B8, 2B9 [L]

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



A2 TA102 **A1** ENLARGED FLOOR PLAN - BREAKOUT ROOM 2B3 [L]

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



A1 TA421 **A3** DISPLAY ELEVATION - TYPICAL BREAKOUT ROOM [L]

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

SHEET NOTES

1. AUDIOVISUAL EQUIPMENT SHOWN REPRESENTS THE BASIS OF DESIGN PRODUCTS. CONFIRM EQUIPMENT DIMENSIONS, INSTALLATION DETAILS AND INFRASTRUCTURE REQUIREMENTS WITH AV VENDOR FOR FINAL, SELECTED EQUIPMENT.
2. PROVIDE 3/4" IN-WALL PLYWOOD BLOCKING AT ALL WALL-MOUNTED DISPLAY LOCATIONS.

SHEET KEYNOTES

1. IN-TABLE CONNECTIONS FOR AV/HDMI, USB CONFERENCING AND NETWORK CONNECTIVITY

AUDIOVISUAL DEVICE SCHEDULE

TAG	DESCRIPTION
FP1	98"/100" FLAT PANEL LCD DISPLAY
FP3	50"/55" FLAT PANEL LCD DISPLAY
VB1	VIDEO CONFERENCING BAR (GFGI)

XX INFRASTRUCTURE SYMBOLS

TAG	DESCRIPTION
JB1	1-GANG IN-WALL JUNCTION BOX WITH (1) 1" CONDUIT STUBBED OUT ABOVE CEILING U.O.N
NG1	GREEN NETWORK CABLE DROP; SINGLE PORT/CONNECTION
NR1	RED NETWORK CABLE DROP; SINGLE PORT/CONNECTION
P2	110V DUPLEX POWER RECEPTACLE; NEMA 5-20R

GRAPHIC SCALE(S)

1/4" =1'-0" 0' 2' 4' 8'

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

PLAN NORTH

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Certified Technology Specialist-Design CTS-D Andrew S. Bennett #2326698 Expires: 2028/01/31

07/31/2026 SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	ASB	DRW	ASB	CHK	PWK

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

AUDIOVISUAL ENLARGED PLANS - BREAKOUT ROOMS

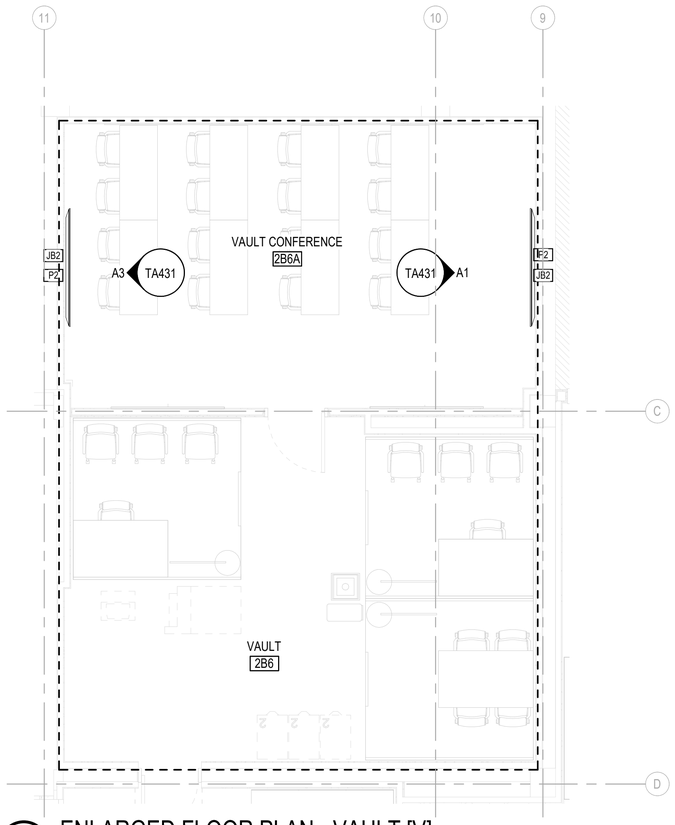
SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230903
SHEET	95 OF 98

TA421

DRAWFORM REVISION: 14 SEP 2023

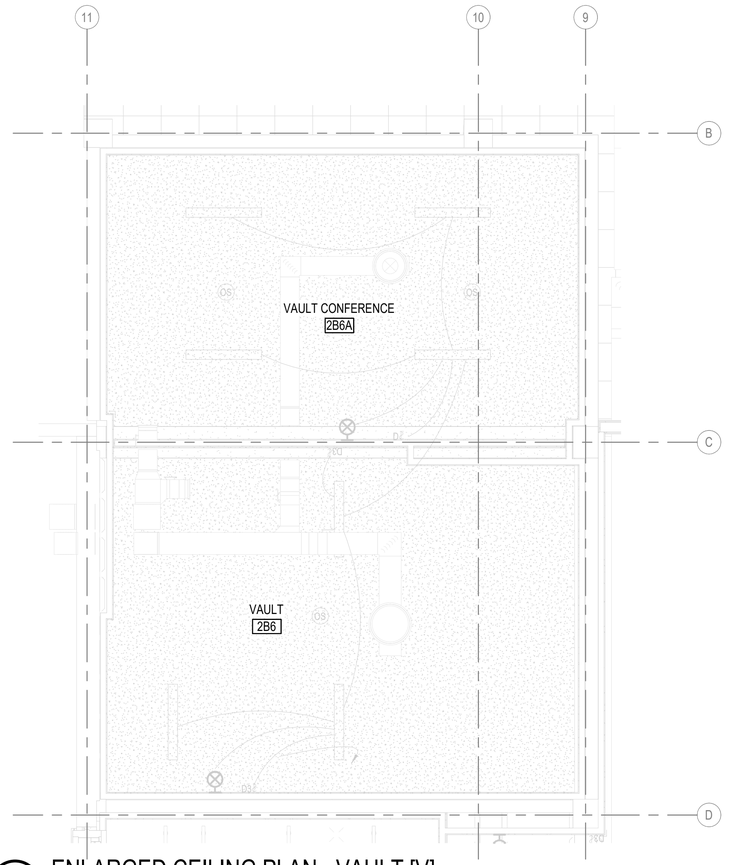
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CUI



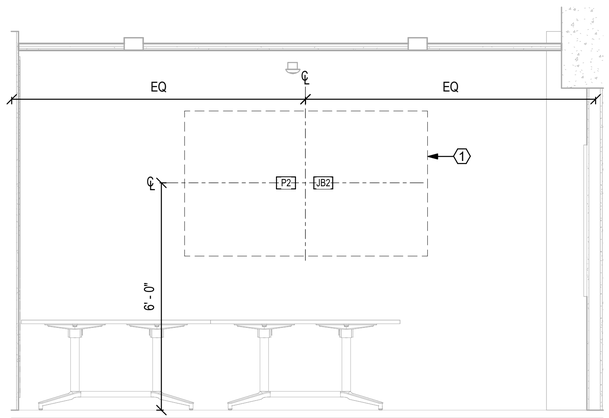
A2 TA102 B1 ENLARGED FLOOR PLAN - VAULT [V]

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



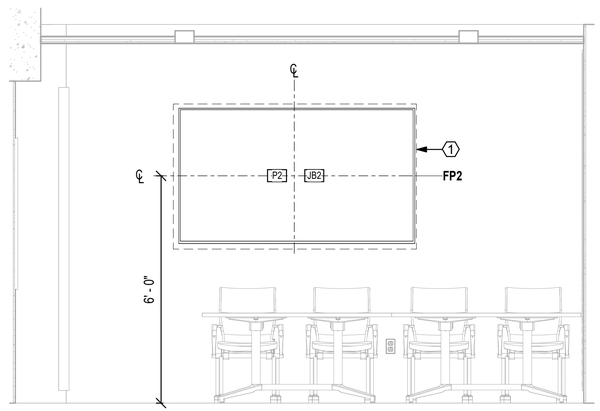
B3 ENLARGED CEILING PLAN - VAULT [V]

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



B1 TA431 A1 DISPLAY ELEVATION - VAULT CONF RM - FRONT WALL [V]

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



B1 TA431 A3 DISPLAY ELEVATION - VAULT CONF RM - REAR WALL [V]

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

PLAN NORTH

SHEET NOTES

1. ALL VAULT AUDIOVISUAL EQUIPMENT TO BE PROVIDED AND INSTALLED BY THE GOVERNMENT. EQUIPMENT SHOWN FOR REFERENCE ONLY. CONFIRM EQUIPMENT DIMENSIONS, INSTALLATION DETAILS AND INFRASTRUCTURE REQUIREMENTS WITH GOVERNMENT.
2. CEILING PLAN SHOWN FOR REFERENCE ONLY.

SHEET KEYNOTES

1. PROVIDE 3/4" IN-WALL PLYWOOD BLOCKING AT ALL WALL-MOUNTED DISPLAY LOCATIONS SIZED TO EXCEED OVERALL DISPLAY DIMENSIONS.

AUDIOVISUAL DEVICE SCHEDULE

TAG	DESCRIPTION
FP2	85"/90" FLAT PANEL LCD DISPLAY (GFGI)

XX INFRASTRUCTURE SYMBOLS

TAG	DESCRIPTION
JB2	2-GANG IN-WALL JUNCTION BOX WITH (2) 1" CONDUITS STUBBED OUT ABOVE CEILING U.O.N
P2	110V DUPLEX POWER RECEPTACLE; NEMA 5-20R

GRAPHIC SCALE(S)

1/4" =1'-0" 0' 2' 4' 8'

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

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Certified Technology Specialist-Design CTS-D Andrew S. Bennett #2326698 Expires: 2028/01/31

07/31/2026 SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	ASB	DRW	ASB	CHK	PWK
PM/DM					OAH/RSJ
BRANCH MANAGER					NAS
CHIEF ENG/ARCH					ADV
FIRE PROTECTION					JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA

NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE

AUDIOVISUAL ENLARGED PLANS - VAULT

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230904
SHEET 96 OF 98

TA431

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:59:00 AM TA431
E:\Projects_CUI\BMCD-280529_B110 2B Wing NSWC Panama City - FDA_CUI\4000-DRAFTING\4300-Revit\3310-Current Model\BLDGB110-1799717-TA.rvt

CUI

CUI

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.

LECTERN (BY FF&E)

GOVERNMENT/USER PC
PC1
HDMI OUT
USB-A

IP VIDEO ENCODER
IPVE1
HDMI IN
LAN (POE)

VIDEO BAR DIODE
VBD1
USB-B
USB-C
SWITCH

IP USB CONFERENCING INTERFACE
IPUC1
USB-B
LAN

SURGE PROTECTOR
SS1

WALL

10" WALL TOUCH PANEL
TP2
LAN (POE)

WALL

10" WALL TOUCH PANEL
TP2
LAN (POE)

MOBILE

USER LAPTOP/SOURCE

IP VIDEO ENCODER
IPVE1
HDMI IN
LAN (POE)

WALL

VIDEO CONFERENCING CAMERA (FRONT)
VC1
LAN (POE)

VIDEO CONFERENCING CAMERA (REAR)
VC1
LAN (POE)

CEILING MICROPHONES

CEILING MICROPHONE
CM1
LAN (POE/DANTE)

CEILING MICROPHONE
CM1
LAN (POE/DANTE)

CEILING MICROPHONE
CM1
LAN (POE/DANTE)

CEILING MICROPHONE
CM1
LAN (POE/DANTE)

CEILING MICROPHONE
CM1
LAN (POE/DANTE)

CEILING MICROPHONE
CM1
LAN (POE/DANTE)

WALL CONNECTION

AV WALL PLATE
WP1
RJ-45 "PRESENTATION"
RJ-45 "USB CONF"
RJ-45 "AV CONTROL"

OPTIONAL TOUCH PANEL AND CONTROL/CONFIG PORT

WALL CONNECTION

AV WALL PLATE
WP1
RJ-45 "PRESENTATION"
RJ-45 "USB CONF"
RJ-45 "AV CONTROL"

ALTERNATE LECTERN CONNECTIONS

WALL CONNECTION

AV WALL PLATE
WP2
RJ-45 "PRESENTATION"
RJ-45 "AV CONTROL"

AV RACK CABINET CR1

AV ETHERNET SWITCH
ES1

C6/STP
RJ45

C6/STP (QTY 4)
RJ45 (x4)

AV CONTROL PROCESSOR
CTRL1
AV LAN
RELAYS
AC PWR
22/4S
RACK SURGE PROTECTOR
SS2

AUDIO DSP
DSP1
LAN (CTRL)
DANTE
AUDIO OUT 1
AUDIO OUT 2
AC PWR

2CH POWER AMPLIFIER
AMP1
AUDIO IN 1
AUDIO IN 2
AUDIO OUT 1
AUDIO OUT 2
AC PWR

RACK SURGE PROTECTOR
SS2

RACK SURGE PROTECTOR
SS2

CEILING PROJECTOR

IP VIDEO DECODER
IPVD1
RJ45 (POE)
HDMI OUT
RS-232

CEILING PROJECTOR
PJ1
HDMI IN
RS-232
AC PWR

CEILING RECEPTACLE

PROJECTION SCREEN
PS1
LVC

HARD-WIRED POWER

WALL DISPLAYS

IP VIDEO DECODER
IPVD1
RJ45 (POE)
HDMI OUT
RS-232

98"/100" LCD DISPLAY
FP1
HDMI IN
RS-232
AC PWR

SURGE PROTECTOR
SS1

IP VIDEO DECODER
IPVD1
RJ45 (POE)
HDMI OUT
RS-232

98"/100" LCD DISPLAY
FP1
HDMI IN
RS-232
AC PWR

SURGE PROTECTOR
SS1

IP VIDEO DECODER
IPVD1
RJ45 (POE)
HDMI OUT
RS-232

98"/100" LCD DISPLAY
FP1
HDMI IN
RS-232
AC PWR

SURGE PROTECTOR
SS1

CEILING SPEAKERS

16/2

CEILING SPEAKER
CS1
IN
OUT

LOOP-THRU (6 SPEAKERS TOTAL)

CEILING SPEAKER
CS1
IN

CEILING SPEAKER
CS1
IN
OUT

LOOP-THRU (4 SPEAKERS TOTAL)

CEILING SPEAKER
CS1
IN

AUDIOVISUAL CABLING SCHEDULE

CABLE TAG	DESCRIPTION
16/2	16 AWG, SINGLE TWISTED PAIR SPEAKER CABLE
22/4S	CATEGORY 6 STP SHIELDED CABLE FOR 1G ETHERNET APPLICATIONS
C6/STP	CATEGORY 6 STP SHIELDED CABLE FOR 1G ETHERNET APPLICATIONS

GENERAL NOTES

1. SEE FLOOR PLAN DRAWINGS FOR CABLE PATHWAY AND INFRASTRUCTURE REQUIREMENTS
2. AV VENDOR TO PROVIDE ALL PATCH CABLES TO AV DEVICES INCLUDING CONNECTIONS TO BUILDING SERVICES SUCH AS NETWORK AND POWER AND GOVERNMENT-PROVIDED EQUIPMENT.

A1 AUDIOVISUAL LINE DIAGRAM - LARGE CONFERENCE ROOM [L]
SCALE: NOT TO SCALE

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Certified Technology Specialist-Design CTS-D Andrew S. Bennett #2326698 Expires: 2028/01/31
07/31/2026 SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320
A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 07/22/2026

DES	ASB	DRW ASB	CHK PWK
PM/DM	OAH/RSJ		
BRANCH MANAGER	NAS		
CHIEF ENG/ARCH	ADV		
FIRE PROTECTION	JPH		

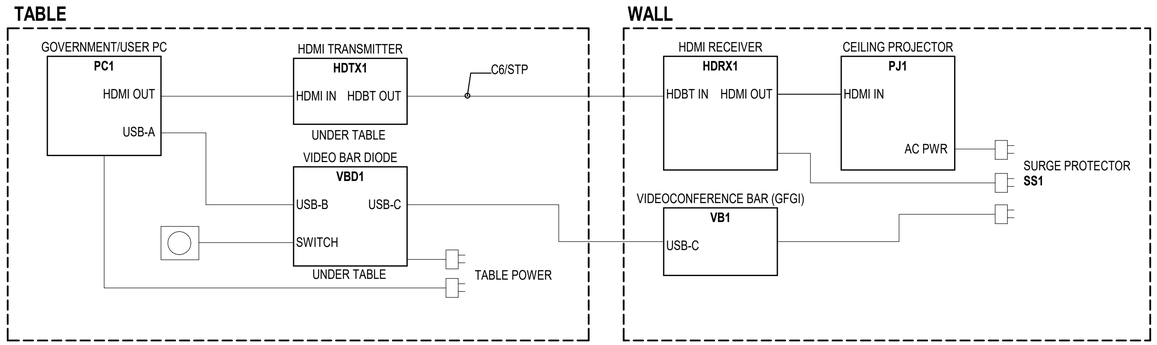
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
AUDIOVISUAL LINE DIAGRAMS - LARGE CONFERENCE ROOM

SCALE: AS NOTED
EPROJECT NO.: 1799717
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15230905
SHEET 97 OF 98
TA701
DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:59:01 AM TA701
E:\Projects_CUI\BMCD-260529_B110 2B Wing NSWC Panama City - FDA_CUI\4000-DRAFTING\4300-Revit\3310-Current Model\BLDGB110-1799717-TA.rvt

CUI

ALL WORK INDICATED WITH EITHER A DASH BOUNDARY OR A INDICATOR IN THE VIEW TITLE IS TO BE BID AND PERFORMED UNDER THE SPECIFIED CONTRACT: [V] SEPARATE VAULT CONTRACT [L] MAIN LIBRARY CONTRACT [LV] BOTH.



B2 AUDIOVISUAL LINE DIAGRAM - BREAKOUT ROOM (TYPICAL OF 5) [L]

SCALE: NOT TO SCALE

AUDIOVISUAL CABLING SCHEDULE

CABLE TAG	DESCRIPTION
C6/STP	CATEGORY 6 STP SHIELDED CABLE FOR 1G ETHERNET APPLICATIONS

GENERAL NOTES

1. SEE FLOOR PLAN DRAWINGS FOR CABLE PATHWAY AND INFRASTRUCTURE REQUIREMENTS
2. AV VENDOR TO PROVIDE ALL PATCH CABLES TO AV DEVICES INCLUDING CONNECTIONS TO BUILDING SERVICES SUCH AS NETWORK AND POWER AND GOVERNMENT-PROVIDED EQUIPMENT.

MARK	DESCRIPTION	DATE
0	ISSUED FOR BID	07/31/2026

NAVFAC

Certified Technology Specialist-Design
CTS-D
Andrew S. Bennett
#2326698
Expires:
2028/01/31
07/31/2026 SEAL

BURNS McDONNELL
1317 EXECUTIVE BLVD
SUITE 300
CHESAPEAKE, VIRGINIA 23320

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 07/22/2026

DES	DRW	CHK
ASB	ASB	ASB

PM/DM	OAH/RSJ
BRANCH MANAGER	NAS
CHIEF ENG/ARCH	ADV
FIRE PROTECTION	JPH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - SOUTH EAST
NAVAL AIR STATION - JACKSONVILLE, FLORIDA
NSA PANAMA CITY
PANAMA CITY, FLORIDA
NSWC B110 2B WING CONFERENCE ROOM AND WORKSPACE
AUDIOVISUAL LINE DIAGRAMS - BREAKOUT ROOMS

SCALE:	AS NOTED
EPROJECT NO.:	1799717
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15230906
SHEET	98 OF 98

TA702

DRAWFORM REVISION: 14 SEP 2023

7/29/2026 11:59:01 AM TA702
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