LIST OF SHEETS

SHEET NO.	DRAWING NO.	NAVFAC DWG. NO.	SHEET TITLE
GENERAL			
1	G-001	17321759	COVER SHEET
2	G-002	17321760	LIST OF SHEETS
3	G-003	17321761	LIST OF SHEETS
4	G-004	17321762	LIST OF SHEETS
5	G-005	17321763	BUILDING CODE SUMMARY
6	G-101	17321764	CODE COMPLIANCE SITE PLAN
7	G-102	17321765	1ST FLOOR PLAN - LIFE SAFETY
8	G-103	17321766	2ND FLOOR PLAN - LIFE SAFETY
9	G-104	17321767	UTILITY BUILDING AND PAVILION - LIFE SAFETY
SURVEY		1	
10	V-101	17321772	TOPOGRAPHIC SURVEY
GEOTECHNICAL			
11	B-001	17321774	SOIL BORING LOCATION MAP AND BORING LOGS-1
12	B-002	17321775	BORING LOGS-2
13	B-003	17321776	BORING LOGS-3
14	B-004	17321777	BORING LOGS-4
CIVIL			
15	C-001	17321780	CIVIL ABBREVIATIONS AND SYMBOLS
16	C-002	17321781	CIVIL NOTES - PAGE 1
17	C-003	17321782	CIVIL NOTES - PAGE 2
18	C-101	17321783	CIVIL HAUL - ACCESS ROUTE
19	C-102	17321784	CIVIL BEDROCK DETERMINATION MAP
20	CD100	17321785	CIVIL DEMOLITION PLAN
21	CS100	17321786	CIVIL SITE PLAN
22	CS101	17321787	CIVIL SITE LOCATION PLAN
23	CS501	17321788	CIVIL - DETAILS - SHEET 1
24	CS502	17321789	CIVIL - DETAILS - SHEET 2
25	CS503	17321790	CIVIL - DETAILS - SHEET 3
26	CS504	17321791	CIVIL - DETAILS - SHEET 4
27	CS505	17321792	CIVIL - DETAILS - SHEET 5
28	CG100	17321793	CIVIL GRADING PLAN
29	CG100B	17321794	CIVIL GRADING PLAN - BID OPTIONS 1 AND 2
30	CG101	17321795	CIVIL LID STORMWATER DESIGN
31	CG200	17321796	CIVIL GRADING PROFILES
32	CG201	17321797	CIVIL LID PROFILES
33	CG501	17321798	CIVIL GRADING - DETAILS - SHEET 1
34	CG502	17321799	CIVIL GRADING - DETAILS - SHEET 2
35	CG503	17321800	CIVIL GRADING - DETAILS - SHEET 3
36	CP100	17321801	CIVIL PAVING PLAN
37	CP501	17321802	CIVIL PAVING - DETAILS - SHEET 1
38	CP502	17321803	CIVIL PAVING - DETAILS - SHEET 2
39	CP503	17321804	CIVIL PAVING - DETAILS - SHEET 3
40	CP504	17321805	CIVIL PAVING - DETAILS - SHEET 4
41	CP505	17321806	CIVIL PAVING - DETAILS - SHEET 5
42	CU100	17321807	CIVIL UTILITY PLAN
43	CU200	17321808	CIVIL UTILITY PROFILES - SHEET 1
44	CU201	17321809	CIVIL UTILITY PROFILES - SHEET 2
45	CU202	17321810	CIVIL UTILITY PROFILES - SHEET 3
46	CU501	17321811	CIVIL UTILITY - DETAILS - SHEET 1
47	CU502	17321812	CIVIL UTILITY - DETAILS - SHEET 2
48	CU503	17321813	CIVIL UTILITY - DETAILS - SHEET 3
49	CU504	17321814	CIVIL UTILITY - DETAILS - SHEET 4
50	CU505	17321815	CIVIL UTILITY - DETAILS - SHEET 5
LANDSCAPE			
51	LP101	17321823	LANDSCAPE PLAN
52	LP501	17321824	PLANTING DETAILS
53	LP502	17321825	SITE FURNISHING DETAILS
54	LP601	17321826	PLANT MATERIAL SCHEDULE AND NOTES
STRUCTURAL			
55	S-001	17321836	STRUCTURAL NOTES AND LEGEND - SHEET 1
56	S-002	17321837	STRUCTURAL NOTES AND LEGEND - SHEET 2
57	SS101	17321838	ENCLOSURE FOUNDATION PLAN
58	SS102	17321839	ENCLOSURE SLAB PLAN
59	SS103	17321840	ENCLOSURE ROOF FRAMING PLAN
60	SS110	17321841	PAVILION FOUNDATION / SLAB PLAN
61	SS111	17321842	PAVILION ROOF PLAN
62	SS301	17321843	STRUCTURAL SECTIONS
63	SS310	17321844	STRUCTURAL SECTIONS
64	SS601	17321845	STRUCTURAL SCHEDULES
65	SS610	17321846	STRUCTURAL SCHEDULES
66	SB101	17321847	COMPREHENSIVE FOUNDATION PLAN
67	SB102	17321848	FOUNDATION PARTIAL PLAN - AREA 'A'
68	SB103	17321849	FOUNDATION PARTIAL PLAN - AREA 'B'
69	SB104	17321850	COMPREHENSIVE SLAB PLAN (EL. 0'-0", UNO)
70	SB105	17321851	SLAB PLAN - AREA 'A' (EL. 0'-0", UNO)
71	SB106	17321852	SLAB PLAN - AREA 'B' (EL. 0'-0", UNO)
72	SB401	17321853	MECHANICAL ENCLOSURE FOUNDATION / SLAB PLAN
73	SB402	17321854	CANOPY FOUNDATION / SLAB PLAN
74	SB403	17321855	ELEVATOR PIT ENLARGED PLAN

LIST OF SHEETS

SHEET NO.	DRAWING NO.	NAVFAC DWG. NO.	SHEET TITLE
75	SB501	17321856	STRUCTURAL FOUNDATION / SLAB DETAILS - SHEET 1
76	SB502	17321857	STRUCTURAL FOUNDATION / SLAB DETAILS - SHEET 2
77	SB503	17321858	STRUCTURAL FOUNDATION / SLAB DETAILS - SHEET 3
78	SF101	17321859	COMPREHENSIVE SECOND FLOOR FRAMING PLAN (EL. 14'-0", UNO)
79	SF102	17321860	SECOND FLOOR FRAMING PLAN - AREA 'A' (EL. 14'-0", UNO)
80	SF103	17321861	SECOND FLOOR FRAMING PLAN - AREA 'A' (EL. 16'-0", UNO)
81	SF104	17321862	SECOND FLOOR FRAMING PLAN - AREA 'B' (EL. 14'-0", UNO)
82	SF105	17321863	SECOND FLOOR FRAMING PLAN - AREA 'B' (EL. 16'-0", UNO)
83	SF106	17321864	COMPREHENSIVE ROOF FRAMING PLAN (ABOVE EL. 42'-0")
84	SF107	17321865	ROOF FRAMING PLAN - AREA 'A' (ABOVE EL. 42'-0")
85	SF108	17321866	ROOF FRAMING PLAN - AREA 'B' (ABOVE EL. 42'-0")
86	SF301	17321867	STRUCTURAL SECTIONS - SHEET 1
87	SF302	17321868	STRUCTURAL SECTIONS - SHEET 2
88	SF401	17321869	MECHANICAL ENCLOSURE FRAMING PLAN
89	SF402	17321870	CANOPY ROOF FRAMING PLAN
90	SF501	17321871	STRUCTURAL FLOOR FRAMING DETAILS - SHEET 1
91	SF502	17321872	STRUCTURAL FLOOR FRAMING DETAILS - SHEET 2
92	SF503	17321873	STRUCTURAL ROOF FRAMING DETAILS
93	SF504	17321874	STRUCTURAL CONCRETE STAIR DETAILS
94	SF505	17321875	STRUCTURAL FRAMING DETAILS
95	SJ601	17321876	STRUCTURAL SCHEDULES
96	SK501	17321877	TYPICAL REINFORCING DETAILS
97	SK502	17321878	TYPICAL FOUNDATION DETAILS
98	SK503	17321879	TYPICAL SLAB-ON-GRADE DETAILS - SHEET 1
99	SK504	17321880	TYPICAL SLAB-ON-GRADE DETAILS - SHEET 2
100	SK505	17321881	TYPICAL SHEAR WALL DETAILS
101	SK506	17321882	CONCRETE COLUMN DETAILS
102	SK507	17321883	CONCRETE BEAM DETAILS
103	SK508	17321884	TYPICAL CONCRETE ELEVATED SLAB DETAILS
ARCHITECTURAL			
104	A-001	17321900	ARCHITECTURAL NOTES AND SYMBOLS
105	AS101	17321901	ARCHITECTURAL SITE PLAN AND OPTION ITEMS
106	AS102	17321902	CHILLER ENCLOSURE PLAN, EXTERIOR ELEVATIONS, AND SECTION
107	AS103	17321903	TRANSFORMER ENCLOSURE PLAN, EXTERIOR ELEVATIONS, AND SECTION
108	AS104	17321904	TRASH ENCLOSURE PLAN, EXTERIOR ELEVATIONS, AND SECTIONS
109	AS105	17321905	SITE SIGNAGE
110	AS106	17321906	BUILDING SIGNAGE
111	AS107	17321907	GENERATOR & FUEL TANK ENCLOSURE PLAN AND ROOF PLAN, OPTION ITEM #2
112	AS108	17321908	GENERATOR & FUEL TANK ENCLOSURE ELEVATIONS, OPTION ITEM #2
113	AS109	17321909	GENERATOR & FUEL TANK ENCLOSURE SECTIONS, OPTION ITEM #2
114	AS110	17321910	PAVILION PLANS, ELEVATIONS & SECTIONS, OPTION ITEM #1
115	AS111	17321911	SITE DETAILS
116	A-101	17321912	OVERALL FIRST FLOOR PLAN
117	A-102	17321913	ENLARGED FLOOR PLAN - 1A
118	A-103	17321914	ENLARGED FLOOR PLAN - 1B & OPTION ITEM #2
119	A-104	17321915	OVERALL SECOND FLOOR PLAN
120	A-105	17321916	ENLARGED FLOOR PLAN - 2A
121	A-106	17321917	ENLARGED FLOOR PLAN - 2B
122	A-111	17321918	OVERALL FIRST FLOOR REFLECTED CEILING PLAN
123	A-112	17321919	ENLARGED REFLECTED CEILING PLAN - 1A
124	A-113	17321920	ENLARGED REFLECTED CEILING PLAN - 1B & OPTION ITEM #2
125	A-114	17321921	OVERALL SECOND FLOOR REFLECTED CEILING PLAN
126	A-115	17321922	ENLARGED REFLECTED CEILING PLAN - 2A
127	A-116	17321923	ENLARGED REFLECTED CEILING PLAN - 2B
128	A-120	17321924	ROOF PLAN
129	A-201	17321925	EXTERIOR ELEVATIONS - NORTH AND EAST & OPTION ITEM #2
130	A-202	17321926	EXTERIOR ELEVATIONS - SOUTH AND WEST & OPTION ITEM #2
131	A-203	17321927	DETAILED EXTERIOR ELEVATIONS
132	A-301	17321928	BUILDING SECTIONS
133	A-310	17321929	WALL SECTIONS
134	A-311	17321930	WALL SECTIONS
135	A-401	17321931	INTERIOR ELEVATIONS
136	A-402	17321932	INTERIOR ELEVATIONS
137	A-403	17321933	INTERIOR ELEVATIONS
138	A-404	17321934	INTERIOR ELEVATIONS
139	A-405	17321935	INTERIOR ELEVATIONS
140	A-411	17321936	DETAILED RESTROOM PLANS AND INTERIOR ELEVATIONS
141	A-412	17321937	DETAILED RESTROOM PLANS AND INTERIOR ELEVATIONS
142	A-413	17321938	DETAILED ELEVATOR PLANS AND SECTION
143	A-414	17321939	DETAILED STAIR A PLANS AND SECTION
144	A-415	17321940	DETAILED STAIR B PLANS AND SECTION
145	A-416	17321941	DETAILED STAIR C PLANS AND SECTION
146	A-501	17321942	TYPICAL MOUNTING HEIGHTS
147	A-502	17321943	PARTITION TYPES
148	A-503	17321944	PARTITION TYPES
149	A-504	17321945	COLUMN DETAILS
	A-505	17321983	COLUMN DETAILS - ADDED SHEET (1)
150	A-601	17321946	DOOR AND OPERABLE PARTITION SCHEDULES
151	A-602	17321947	DOOR, WINDOW, LOUVER TYPES AND SCHEDULES & OPTION ITEM #2
152	A-603	17321948	OPERABLE PARTITION DETAILS

LIST OF SHEETS

SHEET NO.	DRAWING NO.	NAVFAC DWG. NO.	SHEET TITLE
153	A-604	17321949	DOOR DETAILS
154	A-605	17321950	DOOR DETAILS
155	A-606	17321951	DOOR DETAILS
156	A-607	17321952	GATE DETAILS
157	A-608	17321953	WINDOW DETAILS
158	A-609	17321954	WINDOW DETAILS
159	A-610	17321955	INTERIOR COLOR MATERIAL SCHEDULE
160	A-611	17321956	EXTERIOR COLOR MATERIAL SCHEDULE
161	A-612	17321957	ROOM FINISH SCHEDULE
162	A-613	17321958	ROOM FINISH SCHEDULE
163	A-614	17321959	ENLARGED SIGNAGE FLOOR PLAN - 1A
164	A-615	17321960	ENLARGED SIGNAGE FLOOR PLAN - 1B
165	A-616	17321961	ENLARGED SIGNAGE FLOOR PLAN - 2A
166	A-617	17321962	ENLARGED SIGNAGE FLOOR PLAN - 2B
167	A-618	17321963	SIGNAGE SCHEDULE
168	A-619	17321964	TYPICAL SIGNAGE DETAILS
169	A-701	17321965	CEILING DETAILS
170	A-710	17321966	CASEWORK DETAILS
171	A-720	17321967	RAILING DETAILS
172	A-730	17321968	MISCELLANEOUS INTERIOR DETAILS
173	A-731	17321969	MISCELLANEOUS INTERIOR DETAILS
174	A-740	17321970	ROOF DETAILS
175	A-750	17321971	MISCELLANEOUS EXTERIOR DETAILS
176	A-801	17321972	ENLARGED RAF FLOOR PLAN - 1A
177	A-802	17321973	ENLARGED RAF FLOOR PLAN - 1B
178	A-803	17321974	ENLARGED RAF FLOOR PLAN - 2A
179	A-804	17321975	ENLARGED RAF FLOOR PLAN - 2B
180	A-901	17321976	AIR BARRIER DIAGRAM - FLOOR PLANS
181	A-902	17321977	AIR BARRIER DIAGRAM
182	A-903	17321978	AIR BARRIER DETAILS
183	AI101	17321979	ENLARGED FLOOR FINISH PLAN - 1A
184	AI102	17321980	ENLARGED FLOOR FINISH PLAN - 1B
185	AI103	17321981	ENLARGED FLOOR FINISH PLAN - 2A
186	AI104	17321982	ENLARGED FLOOR FINISH PLAN - 2B
INTERIOR DESIGN			
187	I-801	17321997	OVERALL FIRST FLOOR FF&E PLAN
188	I-802	17321998	OVERALL SECOND FLOOR FF&E PLAN
189	I-803	17321999	FF&E SCHEDULE
190	I-804	17322000	ENLARGED FF&E FLOOR PLAN - 1A
191	I-805	17322001	ENLARGED FF&E FLOOR PLAN - 1B
192	I-806	17322002	ENLARGED FF&E FLOOR PLAN - 1C
193	I-807	17322003	ENLARGED FF&E FLOOR PLAN - 1D
194	I-808	17322004	ENLARGED FF&E FLOOR PLAN - 1E
195	I-809	17322005	ENLARGED FF&E FLOOR PLAN - 1F
196	I-810	17322006	ENLARGED FF&E FLOOR PLAN - 2A
197	I-811	17322007	ENLARGED FF&E FLOOR PLAN - 2B
198	I-812	17322008	ENLARGED FF&E FLOOR PLAN - 2C
199	I-813	17322009	ENLARGED FF&E FLOOR PLAN - 2D
200	I-814	17322010	ENLARGED FF&E FLOOR PLAN - 2E
201	I-815	17322011	ENLARGED FF&E FLOOR PLAN - 2F
202	I-816	17322012	TYPICAL MOUNTING HEIGHTS - FF&E
FIRE PROTECTION			
203	F-001	17322023	FIRE PROTECTION NOTES, SYMBOLS AND ABBREVIATIONS
204	FX401	17322024	ENLARGED FLOOR PLAN 1A - FIRE SPRINKLER
205	FX402	17322025	ENLARGED FLOOR PLAN 1B - FIRE SPRINKLER
206	FX403	17322026	ENLARGED FLOOR PLAN 2A - FIRE SPRINKLER
207	FX404	17322027	ENLARGED FLOOR PLAN 2B - FIRE SPRINKLER
208	FX405	17322028	ENLARGED UTILITY BUILDING FLOOR PLAN - FIRE SPRINKLER
209	FX501	17322029	FIRE SPRINKLER DETAILS
210	FA401	17322030	ENLARGED FLOOR PLAN 1A - FIRE ALARM-MASS NOTIFICATION SYSTEM
211	FA402	17322031	ENLARGED FLOOR PLAN 1B - FIRE ALARM-MASS NOTIFICATION SYSTEM
212	FA403	17322032	ENLARGED FLOOR PLAN 2A - FIRE ALARM-MASS NOTIFICATION SYSTEM
213	FA404	17322033	ENLARGED FLOOR PLAN 2B - FIRE ALARM-MASS NOTIFICATION SYSTEM
214	FA405	17322034	ENLARGED UTILITY BUILDING FLOOR PLAN - FIRE ALARM-MASS NOTIFICATION SYSTEM
215	FA501	17322035	FIRE ALARM-MASS NOTIFICATION SYSTEM DETAILS
216	FA601	17322036	FIRE ALARM-MASS NOTIFICATION SYSTEM - SEQUENCE OF OPERATIONS
217	FA602	17322037	FIRE ALARM-MASS NOTIFICATION SYSTEM - RISER DIAGRAM

SYM	DESCRIPTION	DATE	APPR
1	ADDED SHEET, REVISED NAVFAC DWG NO.	4/27/26	

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26
SEAL

A/E INFO

APPROVED
EVAN MIZUE
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC MAKALAPA, HAWAII
U.S. NAVSUPPACT MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
LIST OF SHEETS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321760
SHEET 2 OF 468

G-002

DRAWFORM REVISION: 25 AUGUST 2020

4/29/2026 9:57:30 AM G-002
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BUILDING CODE SUMMARY:

THIS INFORMATION IS INTENDED TO PROVIDE GENERAL GUIDELINES AND MINIMUM REQUIREMENTS, AND IS NOT A COMPLETE DESCRIPTION OF THE CONSTRUCTION REQUIREMENTS. CONSTRUCTION AND SYSTEMS PROVIDED MUST COMPLY WITH THE MINIMUM REQUIREMENTS AND ALL APPLICABLE CODES, STANDARDS AND REGULATIONS.

1. OCCUPANCY CLASSIFICATIONS, INTERNATIONAL BUILDING CODE (IBC), 2024 EDITION, CHAPTER 3:

    MAIN BUILDING:
    ASSEMBLY, GROUP A-3
    BUSINESS, GROUP B
    STORAGE, GROUP S-1 (ACCESSORY OCCUPANCY)
    FACTORY, GROUP F-1 (ACCESSORY OCCUPANCY)

2. THE MAIN BUILDING WILL BE ANALYZED AS A MIXED OCCUPANCY OF ASSEMBLY, GROUP A-3 AND BUSINESS, GROUP B.

3. TYPE OF CONSTRUCTION ALLOWED: TYPE IA, IB, IIA, IIB

    TYPE OF CONSTRUCTION PROVIDED: TYPE II-B

4. THE ACTIVE FIRE PROTECTION FEATURES OF THE MAIN BUILDING WILL INCLUDE AN AUTOMATIC FIRE SPRINKLER PROTECTION SYSTEM THROUGHOUT INSTALLED IN ACCORDANCE WITH NFPA 13 AND A MANUAL AND AUTOMATIC FIRE ALARM AND DETECTION SYSTEM THROUGHOUT INSTALLED IN ACCORDANCE WITH NFPA 72.

5. THE PASSIVE FIRE PROTECTION FEATURES OF THE BUILDINGS WILL INCLUDE FIRE RESISTIVE CONSTRUCTION REQUIREMENTS FOR COMPARTMENTALIZATION OF THE BUILDING AS IDENTIFIED IN THE LIFE SAFETY PLANS.

6. THE MAIN BUILDING WILL HAVE A MASS NOTIFICATION SYSTEM INSTALLED THROUGHOUT THE FACILITY.

7. IBC ALLOWABLE BUILDING HEIGHT AND NUMBER OF STORIES WITH TYPE II-B CONSTRUCTION IS AS FOLLOWS:

    3 STORIES, 75 FEET HIGH (A-3, SPRINKLERED)
    3 STORIES, 75 FEET HIGH (F-1, SPRINKLERED)
    3 STORIES, 55 FEET HIGH (B, UNSPRINKLERED)

    ACTUAL BUILDING HEIGHTS AND NUMBER OF STORIES:

    2 STORIES, 32 FEET HIGH (MAIN BUILDING)

    THE ALLOWABLE MAIN BUILDING HEIGHT AND NUMBER OF STORIES IS IN COMPLIANCE.

8. IBC ALLOWABLE MAIN BUILDING AREA BASED ON AN ASSEMBLY OCCUPANCY WITH TYPE II-B CONSTRUCTION, EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM, AND WITH FRONTAGE INCREASES, IS AS FOLLOWS:

    35,625 SF FOR EACH FLOOR
    106,875 SF OVERALL

    ACTUAL MAIN BUILDING AREA:

    27,794 SF - FIRST FLOOR
    27,794 SF - SECOND FLOOR
    55,588 SF - OVERALL

    THE ACTUAL MAIN BUILDING AREA IS IN COMPLIANCE.

9. FIRE RESISTANCE OF BUILDING ELEMENTS, IBC TABLE 601

ELEMENT	MATERIAL	RATING
PRIMARY STRUCTURAL FRAME	NONCOMBUSTIBLE	0 HOUR
BEARING WALLS (EXTERIOR & INTERIOR)	NONCOMBUSTIBLE	0 HOUR
EXTERIOR NONBEARING WALL	NONCOMBUSTIBLE	0 HOUR*
INTERIOR NONBEARING WALL	NONCOMBUSTIBLE	0 HOUR
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	NONCOMBUSTIBLE	0 HOUR
ROOF CONSTRUCTION AND SECONDARY MEMBERS	NONCOMBUSTIBLE	0 HOUR

    * A MINIMUM SEPARATION DISTANCE OF 10 FEET TO THE ASSUMED PROPERTY LINE IS PROVIDED ON ALL SIDES OF THE BUILDING, AND ARE NOT REQUIRED TO HAVE A FIRE RESISTANCE RATING (IBC TABLE 705.5).

    REQUIRED EXTERIOR EXPOSURE PROTECTION IS NONE.
    NO EXTERIOR EXPOSURE PROTECTION PROVIDED.
    THE EXTERIOR EXPOSURE PROTECTION REQUIREMENTS IS IN COMPLIANCE.

10. EXTERIOR WALL OPENINGS: PER IBC 705.8.1 EXCEPTION 2, BUILDINGS WHOSE EXTERIOR WALLS ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED ARE PERMITTED TO HAVE UNLIMITED UNPROTECTED OPENINGS.

11. OCCUPANCY SEPARATION: THERE ARE NO OCCUPANCY SEPARATION REQUIREMENTS FOR THE BUILDING AS IT IS BEING ANALYZED AS MIXED OCCUPANCY.

    REQUIRED INTERIOR FIRE RATED OCCUPANCY SEPARATION REQUIREMENTS: NONE.
    PROVIDED INTERIOR FIRE RATED OCCUPANCY SEPARATIONS: NONE.
    THE FIRE RATED OCCUPANCY SEPARATION REQUIREMENTS ARE IN COMPLIANCE.

    REQUIRED INTERNAL FIRE AREA SEPARATIONS: NONE.
    PROVIDED INTERNAL FIRE AREA SEPARATIONS: NONE.
    THE INTERNAL FIRE AREA SEPARATION REQUIREMENTS IS IN COMPLIANCE.

    REQUIRED SMOKE PARTITIONS: SEPARATING UTILITY ROOMS FROM BUSINESS AND ASSEMBLY OCCUPANICES (NFPA 101, SECTION 8.7.1.2). SMOKE PARTITIONS ARE ALSO USED TO CREATE THE SECONDARY AREA OF REFUGE (NFPA 101, SECTION 7.5.4.9).
    PROVIDED SMOKE PARITIONS: ALL REQUIRED SMOKE PARTITIONS ARE PROVIDED.
    SMOKE PARTITION SEPARATION REQUIREMENTS ARE IN COMPLIANCE.

LIFE SAFETY CODE SUMMARY:

THIS INFORMATION IS INTENDED TO PROVIDE GENERAL GUIDELINES AND MINIMUM REQUIREMENTS, AND IS NOT A COMPLETE DESCRIPTION OF THE CONSTRUCTION REQUIREMENTS. CONSTRUCTION AND SYSTEMS PROVIDED MUST COMPLY WITH THE MINIMUM REQUIREMENTS AND ALL APPLICABLE CODES, STANDARDS AND REGULATIONS.

1. OCCUPANCY CLASSIFICATIONS, NFPA 101, 2021 EDITION:
    NEW ASSEMBLY OCCUPANCY (CHAPTER 12)
    NEW BUSINESS OCCUPANCY (CHAPTER 38)
    SPECIAL PURPOSE INDUSTRIAL (CHAPTER 40)
    STORAGE OCCUPANCY (CHAPTER 42) (ACCESSORY OCCUPANCY), WITH ORDINARY HAZARD CONTENT CLASSIFICATION.

2. THE MAIN BUILDING WILL BE ANALYZED AS A MIXED OCCUPANCY OF NEW BUSINESS AND NEW ASSEMBLY.

3. OCCUPANT LOAD FACTORS AND TOTAL CALCULATED LOAD, NFPA 101, TABLE 7.3.1.2 AND UFC 3-600-01, TABLE 10-1:

    CONFERENCE ROOMS: 15 SF/PERSON
    CLASSROOMS: 20 SF/PERSON
    OFFICES (CONCENTRATED BUSINESS): 50 SF/PERSON
    OFFICES (NON-CONCENTRATED BUSINESS): 150 SF/PERSON
    MECHANICAL/ELEC/STORAGE ROOMS: 500 SF/PERSON
    PARKING: 200 SF/PERSON

    1 TOTAL OCCUPANT LOADS:

    FIRST FLOOR: 601 PERSONS
    SECOND FLOOR: 654 PERSONS
    MAIN BUILDING TOTAL: 1,255 PERSONS

4. REQUIRED NUMBER OF EXITS: THREE EXITS ARE REQUIRED FOR THE MAIN BUILDING AS THE OCCUPANT LOAD EXCEEDS 500.

    PROVIDED NUMBER OF EXITS: THREE EXIT STAIRS ARE PROVIDED FOR THE SECOND FLOOR. FOUR EXITS ARE PROVIDED FOR THE FIRST FLOOR.

    THE NUMBER OF EXITS PROVIDED ARE IN COMPLIANCE.

5. REQUIRED CAPACITY OF MEANS OF EGRESS: 601 PEOPLE ON THE FIRST FLOOR, 654 PEOPLE ON THE SECOND FLOOR.

    PROVIDED CAPACITY OF MEANS OF EGRESS: THE EXITS AVAILABLE ON THE FIRST FLOOR WILL HAVE A TOTAL EGRESS CAPACITY OF 2,120 PEOPLE. THE THREE STAIRS ON THE SECOND FLOOR WILL HAVE A TOTAL EGRESS CAPACITY OF 820 PEOPLE EACH.

    THE CAPACITY OF THE MEANS OF EGRESS IS IN COMPLIANCE.

6. REQUIRED ARRANGEMENT OF MEANS OF EGRESS BASED ON BUSINESS OCCUPANCY CRITERIA:

    REMOTENESS OF EXITS: ONE-THIRD THE BUILDING OR AREA DIAGONAL IT SERVES.

    HORIZONTAL EXITS: NONE

	FIRST FLOOR MAX / PROVIDED	SECOND FLOOR MAX / PROVIDED
OVERALL TRAVEL DISTANCE:	250 FT / 137 FT	250 FT / 137 FT
COMMON PATH OF TRAVEL DISTANCE:	75 FT / 67 FT	75 FT/ 75 FT
DEAD-END CORRIDOR LENGTH:	20 FT / 19 FT	20 FT / 17 FT

    PROVIDED ARRANGEMENT OF MEANS OF EGRESS:

    REMOTENESS OF EXITS: THE FACILITY IS IN COMPLIANCE.

    HORIZONTAL EXITS: NONE.

    OVERALL TRAVEL DISTANCE: OVERALL TRAVEL DISTANCES ARE IN COMPLIANCE, SEE THE LIFE SAFETY PLANS FOR MAXIMUM CONDITIONS.

    COMMON PATH OF TRAVEL DISTANCE: COMMON PATH OF TRAVEL DISTANCES ARE IN COMPLIANCE, SEE THE LIFE SAFETY PLANS FOR MAXIMUM CONDITIONS.

    DEAD-END CORRIDOR LENGTH: DEAD-END CORRIDOR LENGTHS ARE IN COMPLIANCE, SEE THE LIFE SAFETY PLANS FOR MAXIMUM CONDITIONS.

    THE ARRANGEMENT OF MEANS OF EGRESS REQUIREMENTS IS IN COMPLIANCE.

7. REQUIRED DISCHARGE FROM EXITS: TWO REMOTE EXIT DISCHARGE PATHS TO A PUBLIC WAY, UNLESS A SINGLE EXIT IS PERMITTED.

    PROVIDED DISCHARGE FROM EXITS: TWO REMOTE EXIT DISCHARGE PATHS TO A PUBLIC WAY ARE AVAILABLE FROM THE FACILITY. A SAFE GATHERING AREA IS ALSO PROVIDED.

    THE DISCHARGE FROM EXITS REQUIREMENTS IS IN COMPLIANCE.

8. REQUIRED FIRE RATED SEPARATION OF EXITS AND EXIT ACCESS: 1-HR MINIMUM FOR VERTICAL OPENINGS.

    PROVIDED FIRE RATED SEPARATION OF EXITS AND EXIT ACCESS: 1-HR MINIMUM STAIR AND ELEVATOR SHAFT.

    THE FIRE RATED SEPARATION OF EXITS AND EXIT ACCESS REQUIREMENTS IS IN COMPLIANCE.

9. REQUIRED FIRE RATED SEPARATION OF HAZARDOUS AREAS: GENERAL STORAGE ROOMS, ELECTRICAL ROOMS, TELECOM ROOMS, AND MECHANICAL ROOMS MUST BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY SMOKE PARTITIONS UNLESS A HIGHER RESISTANCE RATING IS REQUIRED BY OTHER CRITERIA.

    PROVIDED FIRE RATED SEPARATION OF HAZARDOUS AREAS: SMOKE PARTITIONS AND FIRE BARRIERS ARE PROVIDED FOR THE AREAS NOTED ABOVE, SEE THE LIFE SAFETY PLANS FOR LOCATIONS.

    THE FIRE RATED SEPARATION OF AREAS REQUIREMENTS IS IN COMPLIANCE.

10. FLAME SPREAD/SMOKE DEVELOPED RATINGS OF NEW INTERIOR INSULATION BEING PROVIDED: FLAME SPREAD RATING NOT HIGHER THAN 75, SMOKE DEVELOPED RATING NOT HIGHER THAN 150 WHEN TESTED IN ACCORDANCE WITH ASTM E84. NOTE THAT MDACS SECTION 5.2.4.3 REQUIRES THE USE OF CLOSED CELL SPRAY FOAM INSULATION WITH AN ASTM 119-COMPLIANT THERMAL BARRIER—IN THIS CASE, A SPRAYED-ON INTUMESCENT COATING. PER DIRECTION FROM NAVFAC PACIFIC, THE SPRAY FOAM/INTUMESCENT COATING ASSEMBLY DOES NOT MEET THE DEFINITION OF A LIMITED COMBUSTIBLE MATERIAL AND THEREFORE WHEN USED ABOVE CEILINGS WILL CREATE A CONCEALED COMBUSTIBLE SPACE THAT REQUIRES FIRE SPRINKLER PROTECTION.

11. INTERIOR FINISHES (UFC 3-600-01, 8-3 AND NFPA 101 12.3.3.2 AND 12.3.3.5)
    WALL AND CEILING
        LOBBIES AND CORRIDORS: CLASS A OR B
        EXIT ENCLOSURES: CLASS A
        OTHER: CLASS A, B
    FLOOR
        EXIT ENCLOSURES: CLASS I OR II
        FLOOR COVERINGS OTHER THAN CARPET AND CARPET-LIKE FINISHES IN AREAS OTHER THAN EXIT ENCLOSURES MUST HAVE A MINIMUM CRITICAL RADIANT FLUX OF 0.1 W/CM^2.

12. THERE ARE NO SMOKE CONTROL SYSTEMS PROVIDED.

13. LIMITED ACCESS STRUCTURE

    THE FACILITY MUST BE DESIGNED TO ENSURE THAT THE REQUIREMENTS OF 11.7.3.1.2 ARE SATISFIED INCLUDING EMERGENCY OPENINGS ON AT LEAST 50 PERCENT OF THE PERIMETER OF EACH STORY, MAXIMUM SPACING BETWEEN OPENINGS NOT MORE THAN 30 FEET, AND OPENINGS NO MORE THAN 15 FEET TO THE EDGE OF THE BUILDING FACE.

    DIMENSIONS, OPERATION, AND INSTALLATION OF EMERGENCY ACCESS OPENINGS MUST COMPLY WITH NFPA 101, 11.7.3.1.2 AND 11.7.3.2.

SYM	DESCRIPTION	DATE	APPR
1	REVISED OCC LOAD	4/27/2026	

NAVFAC

JAY THOMAS HIGASHI
STATE OF WASHINGTON
31715
REGISTERED
PROFESSIONAL ENGINEER
07/22/2026
Expiration Date of the License
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
EVAN MIZUE
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES JTH | DRW KK | CHK RTB
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
BUILDING CODE SUMMARY

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321763
SHEET 5 OF 468

G-005

DRAWFORM REVISION: 25 AUGUST 2020

5/19/2026 10:36:37 AM G-005
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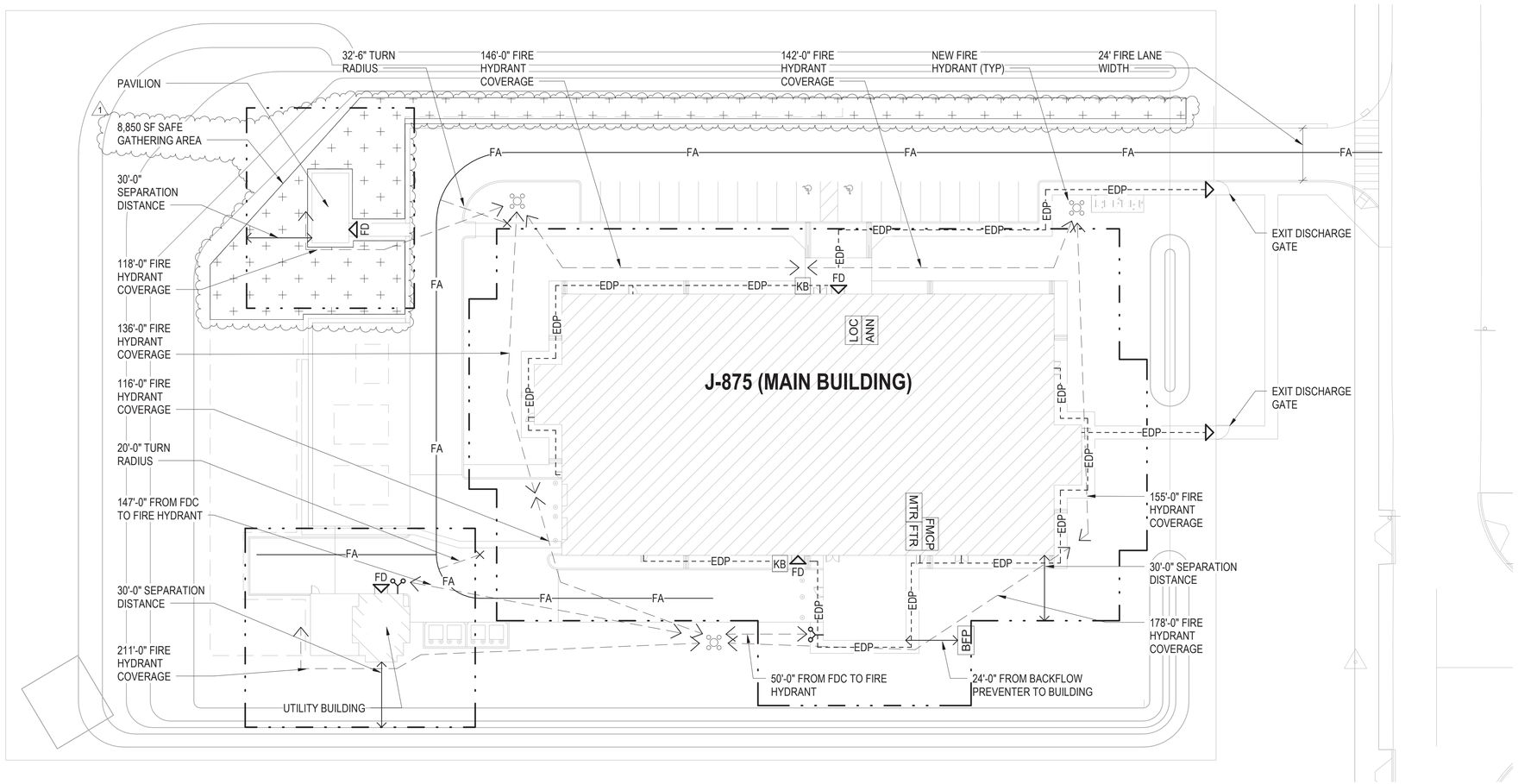


A1 CODE COMPLIANCE SITE PLAN

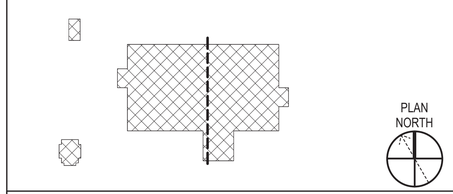
SCALE: 1" = 30'-0"

NOTE: PROVIDE TAMPER SWITCHES TO MONITOR THE TWO OS&Y CONTROL VALVES ON EACH FIRE SPRINKLER BACKFLOW PREVENTER PER UFC 3-600-01, 9-7.10.7, TOTAL FOUR TAMPER SWITCHES. THE BACKFLOW PREVENTER FOR THE MAIN BUILDING IS LOCATED ON THE EXTERIOR. THE BACKFLOW PREVENTER FOR THE UTILITY BUILDING IS LOCATED INSIDE THE UTILITY BUILDING.

CODE COMPLIANCE SITE LEGEND

FA	FIRE LANE
	BUILDING SEPARATION REQUIREMENT
	FIRE HYDRANT COVERAGE
EDP	EXIT DISCHARGE PATH
FD	FIRE DEPARTMENT ENTRANCE
	FIRE HYDRANT
	FIRE DEPARTMENT CONNECTION
BFP	BACKFLOW PREVENTER
LOC	LOCAL OPERATING CONSOLE
ANN	FIRE ALARM / MASS NOTIFICATION ANNUNCIATOR
FMCP	COMBINATION FIRE ALARM / MASS NOTIFICATION CONTROL PANEL
MTR	MASS NOTIFICATION TRANSCEIVER
FTR	FIRE ALARM TRANSMITTER
KB	KNOX BOX
	SAFE GATHERING AREA

KEY PLAN



GRAPHIC SCALE(S)

30' 0 30' 60'

SCALE: 1" = 30'

SYM	DESCRIPTION	DATE	APPR
1	REDEFINE SAFE GATHER AREA	4/27/2026	

NAVFAC

JAY THOMAS HIGASHI, STATE OF WASHINGTON, 31715, REGISTERED PROFESSIONAL ENGINEER, 07/22/2026, Expiration Date of the License, SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE: 3/10/2026

DES: JTH DRW: KK CHK: RTB

PM/DM: DKS/DMK

BRANCH MANAGER: KYM

CHIEF ENG/ARCH: KYM

FIRE PROTECTION: RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

CODE COMPLIANCE SITE PLAN

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO.: N62742-20-D-0001

NAVFAC DRAWING NO.: 17321764

SHEET 6 OF 468

G-101

DRAWFORM REVISION: 25 AUGUST 2020

5/19/2026 1:40:02 PM G-101
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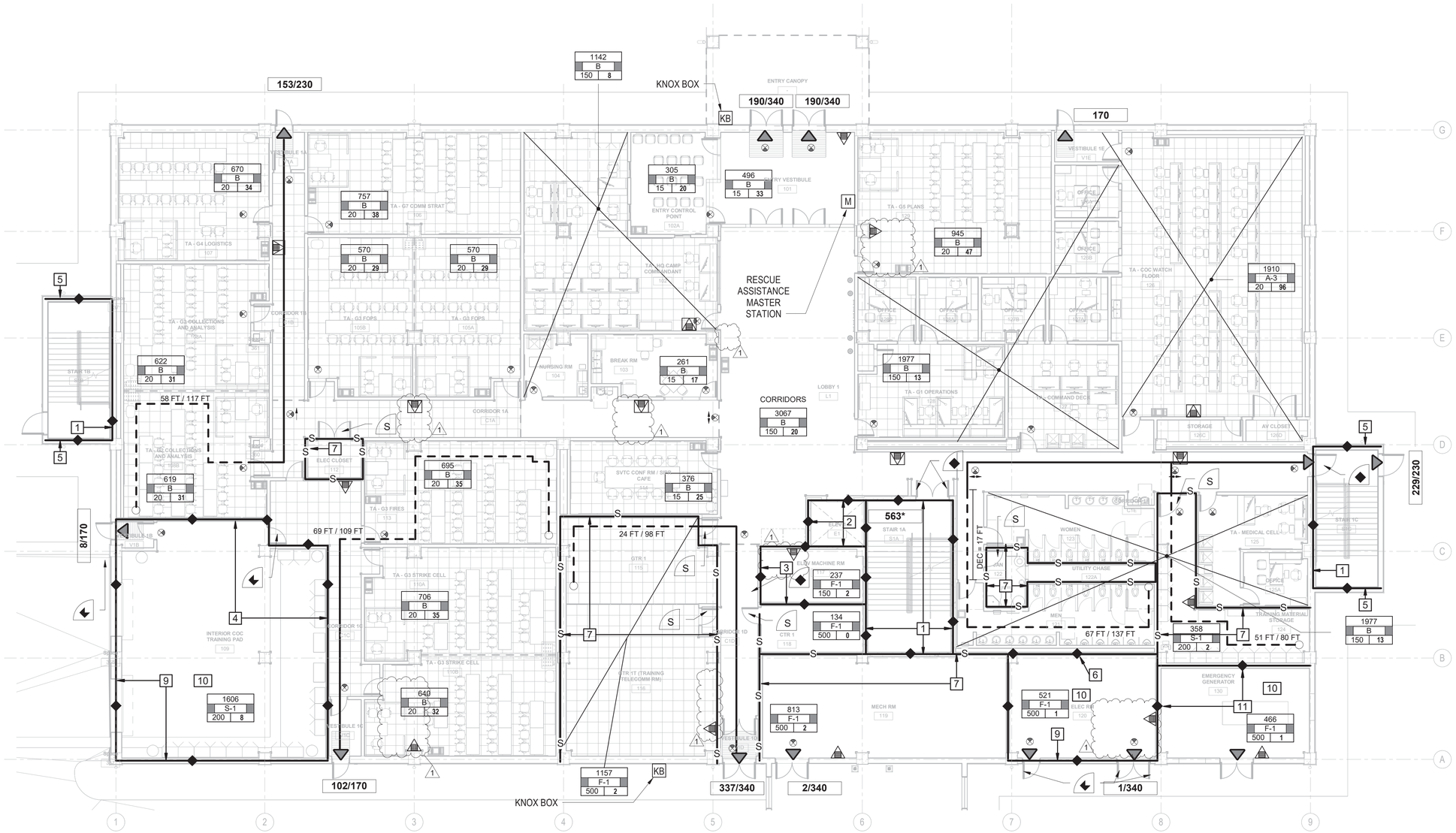


B1 OVERALL 1ST FLOOR PLAN - LIFE SAFETY

SCALE: 3/32" = 1'-0"

KEY NOTES:

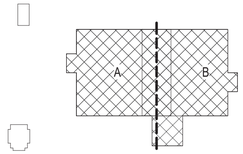
1. 1-HOUR RATED FIRE BARRIER SEPARATING THE VERTICAL OPENING LESS THAN FOUR STORIES FROM THE REMAINDER OF THE BUILDING, NFPA 101, SECTION 8.6.5 (2).
2. 1-HOUR RATED FIRE BARRIER SEPARATING THE ELEVATOR HOISTWAY FROM THE REMAINDER OF THE BUILDING, IBC, SECTION 713.4.
3. 1-HOUR RATED FIRE BARRIER SEPARATING THE ELEVATOR MACHINE ROOM FROM THE REMAINDER OF THE BUILDING, UFC 3-600-01, SECTION 4-16.2.1.
4. 1-HOUR RATED FIRE BARRIER SEPARATING THE PARKING (COC TRAINING PAD) FROM THE REMAINDER OF THE BUILDING, NFPA 88A, SECTION 5.3.2.
5. 1-HOUR RATED FIRE BARRIER SEPARATING THE UNPROTECTED STAIRWAY ENCLOSURE FROM THE REMAINDER OF THE BUILDING, NFPA 101, SECTION 7.2.2.5.2.1.
6. 1-HOUR RATED FIRE BARRIER SEPARATING THE ELECTRICAL ROOM WITH DRY-TYPE TRANSFORMER EQUIPMENT GREATER THAN 112.5 kVA FROM THE REMAINDER OF THE BUILDING, NFPA 70, ARTICLE 450.21(B).
7. SMOKE PARTITION SEPARATING THE STORAGE, MECHANICAL, JANITOR, TELECOM, AND ELECTRICAL ROOMS FROM BUSINESS AND ASSEMBLY OCCUPANCIES, NFPA 101, SECTION 8.7.1.2.
8. SMOKE PARTITION CREATING THE SECONDARY AREA OF REFUGE, NFPA 101, SECTION 7.5.4.9
9. 1-HOUR FIRE RATED CONSTRUCTION SUPPORTING THE FIRE-RATED CEILING ASSEMBLY, NFPA 101, SECTION 8.2.3.3
10. CEILING ENCLOSED BY 1-HR RATED WALLS
11. ONE-HOUR FIRE RATING REQUIRED BETWEEN GENERATOR ROOM AND SURROUNDING OCCUPANCIES, NFPA 37, 4.1.2.1.1

NOTE: * NUMBER REPRESENTS HALF OF THE SUM OF THE TOTAL OCCUPANT LOADS OF THE SECOND FLOOR. THE MEANS OF EGRESS ON THE FIRST FLOOR MUST BE SIZED TO ACCOMODATE THIS SUM AS WELL AS THE OCCUPANT LOAD OF THE FIRST FLOOR.

LIFE SAFETY LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
◆	1 HOUR FIRE RESISTIVE CONSTRUCTION	▷	FIRE EXIT
S	SMOKE PARTITION	⊗	EXIT SIGN
	3/4 HOUR RATED FIRE DOOR ASSEMBLY WITH SELF CLOSING AND LATCHING HARDWARE		SEMI-RECESSED MULTIPURPOSE DRY CHEMICAL TYPE PORTABLE FIRE EXTINGUISHER, 4A:80B:C MINIMUM RATING
◆	1 HOUR RATED FIRE DOOR ASSEMBLY WITH SELF CLOSING AND LATCHING HARDWARE		SURFACE MOUNTED MULTIPURPOSE DRY CHEMICAL TYPE PORTABLE FIRE EXTINGUISHER, 4A:80B:C MINIMUM RATING
S	SELF CLOSING AND LATCHING SMOKE PARTITION DOOR	XXX/XXX	BUILDING OCCUPANT LOAD USING EXIT MAXIMUM OCCUPANT LOAD CAPACITY OF EXIT
DEC = XX'	DEAD END CORRIDOR	512 / B / 15 34	AREA IBC OCCUPANCY GROUP / DIVISION OCCUPANCY LOAD (PERSONS) OCCUPANCY LOAD FACTOR (SF / PERSON)
XX'/XX'	COMMON PATH OF TRAVEL		
XX'/XX'	TRAVEL PATH POINT OF CHOICE OF TWO EXITS, COMMON PATH OF TRAVEL ENDS.		

KEY PLAN



GRAPHIC SCALE(S)

3/32" =1'-0"

0' 6' 12' 18'

SYM	DESCRIPTION	DATE	APPR
1	RELOCATED FEC	4/27/2026	

NAVFAC

JAY THOMAS HIGASHI — STATE OF WASHINGTON — 31715 — REGISTERED PROFESSIONAL ENGINEER — 01/22/2026 — Expiration Date of the License — SEAL

ASMD L.L.C. — A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JTH	DRW	AM	CHK	RTB

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
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MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

1ST FLOOR PLAN - LIFE SAFETY

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321765
SHEET 7 OF 468

G-102

DRAWFORM REVISION: 25 AUGUST 2020

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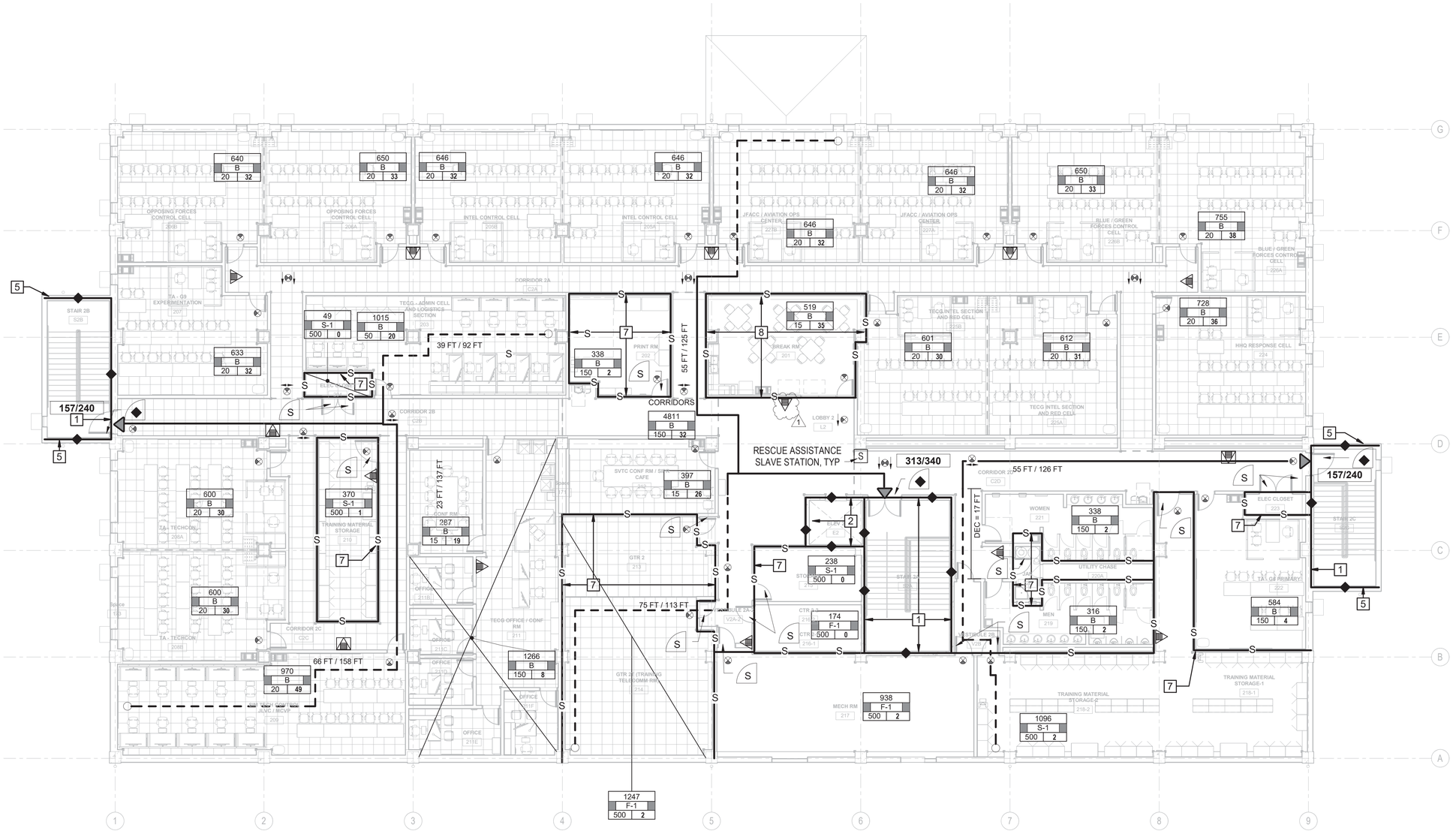


B1 2ND FLOOR PLAN - LIFE SAFETY

SCALE: 3/32" = 1'-0"

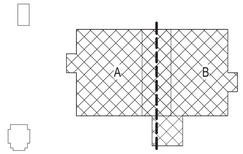
KEY NOTES:

1. 1-HOUR RATED FIRE BARRIER SEPARATING THE VERTICAL OPENING LESS THAN FOUR STORIES FROM THE REMAINDER OF THE BUILDING, NFPA 101, SECTION 8.6.5 (2).
2. 1-HOUR RATED FIRE BARRIER SEPARATING THE ELEVATOR HOISTWAY FROM THE REMAINDER OF THE BUILDING, IBC, SECTION 713.4.
3. 1-HOUR RATED FIRE BARRIER SEPARATING THE ELEVATOR MACHINE ROOM FROM THE REMAINDER OF THE BUILDING, UFC 3-600-01, SECTION 4-16.2.1.
4. 1-HOUR RATED FIRE BARRIER SEPARATING THE PARKING (COC TRAINING PAD) FROM THE REMAINDER OF THE BUILDING, NFPA 88A, SECTION 5.3.2.
5. 1-HOUR RATED FIRE BARRIER SEPARATING THE UNPROTECTED STAIRWAY ENCLOSURE FROM THE REMAINDER OF THE BUILDING, NFPA 101, SECTION 7.2.2.5.2.1.
6. 1-HOUR RATED FIRE BARRIER SEPARATING THE ELECTRICAL ROOM WITH DRY-TYPE TRANSFORMER EQUIPMENT GREATER THAN 112.5 kVA FROM THE REMAINDER OF THE BUILDING, NFPA 70, ARTICLE 450.21(B).
7. SMOKE PARTITION SEPARATING THE STORAGE, MECHANICAL, JANITOR, TELECOM, AND ELECTRICAL ROOMS FROM BUSINESS AND ASSEMBLY OCCUPANCIES, NFPA 101, SECTION 8.7.1.2.
8. SMOKE PARTITION CREATING THE SECONDARY AREA OF REFUGE, NFPA 101, SECTION 7.5.4.9
9. 1-HOUR FIRE RATED CONSTRUCTION SUPPORTING THE FIRE-RATED CEILING ASSEMBLY, NFPA 101, SECTION 8.2.3.3
10. CEILING ENCLOSED BY 1-HR RATED WALLS
11. ONE-HOUR FIRE RATING REQUIRED BETWEEN GENERATOR ROOM AND SURROUNDING OCCUPANCIES, NFPA 37, 4.1.2.1.1

LIFE SAFETY LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	1 HOUR FIRE RESISTIVE CONSTRUCTION		FIRE EXIT
S	SMOKE PARTITION		EXIT SIGN
	3/4 HOUR RATED FIRE DOOR ASSEMBLY WITH SELF CLOSING AND LATCHING HARDWARE		SEMI-RECESSED MULTIPURPOSE DRY CHEMICAL TYPE PORTABLE FIRE EXTINGUISHER, 4A:80B:C MINIMUM RATING
	1 HOUR RATED FIRE DOOR ASSEMBLY WITH SELF CLOSING AND LATCHING HARDWARE		SURFACE MOUNTED MULTIPURPOSE DRY CHEMICAL TYPE PORTABLE FIRE EXTINGUISHER, 4A:80B:C MINIMUM RATING
S	SELF CLOSING AND LATCHING SMOKE PARTITION DOOR	XXX/XXX	BUILDING OCCUPANT LOAD USING EXIT MAXIMUM OCCUPANT LOAD CAPACITY OF EXIT
DEC = XX'	DEAD END CORRIDOR	512	AREA
XX'/XX'	COMMON PATH OF TRAVEL	B	IBC OCCUPANCY GROUP / DIVISION
XX'/XX'	TRAVEL PATH POINT OF CHOICE OF TWO EXITS, COMMON PATH OF TRAVEL ENDS.	15 34	OCCUPANCY LOAD (PERSONS) OCCUPANCY LOAD FACTOR (SF / PERSON)

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

3/32" =1'-0"

0' 6' 12' 18'

SYM	DESCRIPTION	DATE	APPR
1	RELOCATED FEC	4/27/2026	

NAVFAC

JAY THOMAS HIGASHI, STATE OF WASHINGTON, 31715, REGISTERED PROFESSIONAL ENGINEER
01/22/2026
Expiration Date of the License SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026
DES JTH DRW AM CHK RTB
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
2ND FLOOR PLAN - LIFE SAFETY

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321766
SHEET 8 OF 468

G-103

DRAWFORM REVISION: 25 AUGUST 2020

5/19/2026 11:02:37 AM G-103
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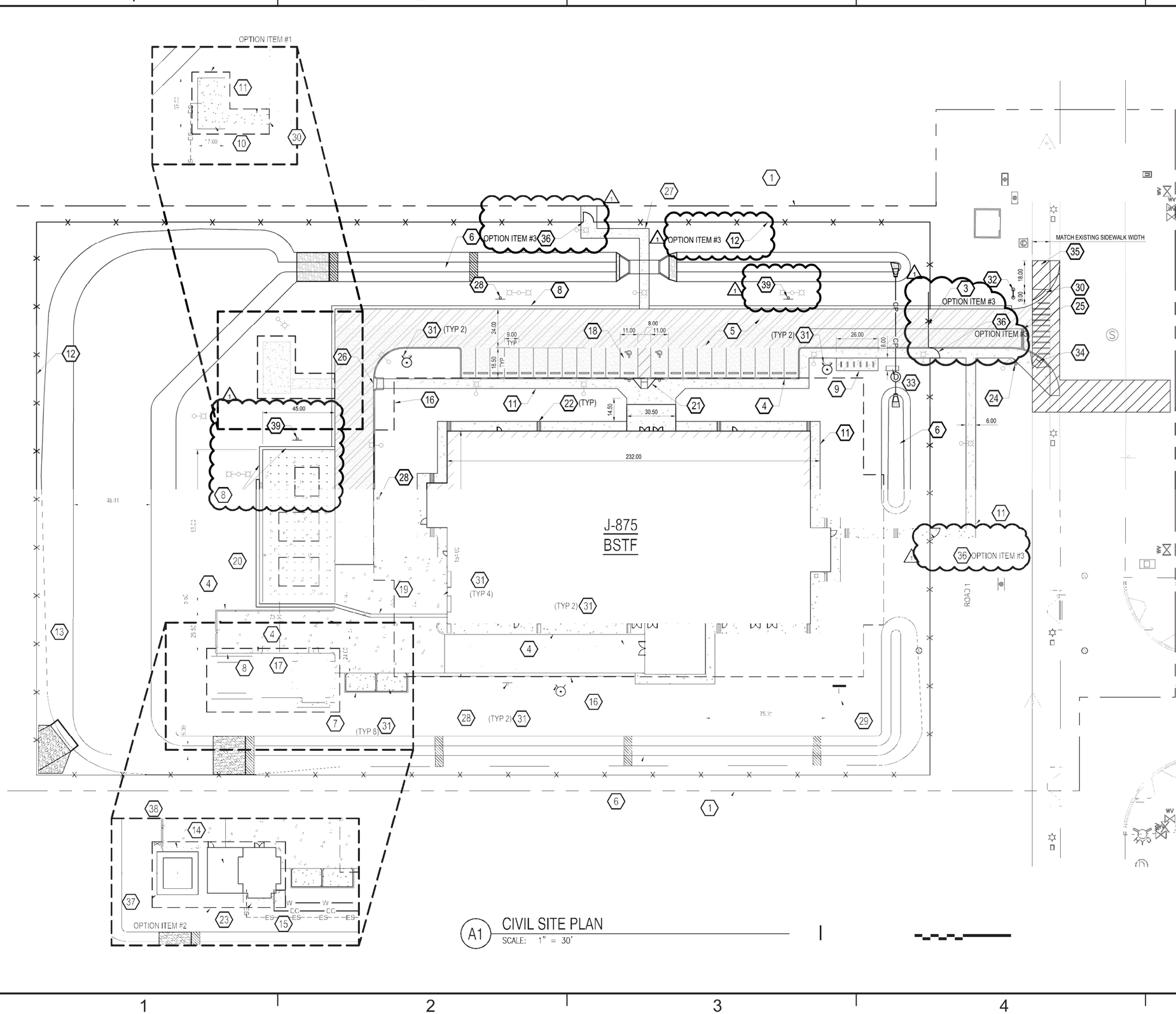

A1 CIVIL SITE PLAN
SCALE: 1" = 30'

KEY NOTES:

1. J-875 PROJECT BOUNDARY. SEE CS101 FOR COMPLETED PROJECT BOUNDARY LIMIT
2. PEDESTRIAN GATE, SEE DETAIL ON CS502
3. 26' CANTILEVER SLIDE GATE, SEE DETAIL ON CS503. OPTION ITEM #3
4. CONCRETE CURB, SEE DETAIL ON CS504
5. HMA ACCESS DRIVE AND PARKING LOT. SEE DETAIL ON CP501
6. DRY SWALE, SEE DETAIL CG501
7. TRASH DUMPSTER PAD AND ENCLOSURE, SEE DETAIL ON AS104
8. 24" WIDE STONE DIAPHRAGM, SEE DETAIL ON CG501
9. BICYCLE RACK, 26'x8', SEE SHEET CS505
10. PAVILION - 32'x17', SEE SHEET AS110
11. 4" THICK CONCRETE SIDEWALK, SEE DETAIL ON CS504
12. HIGH SECURITY CHAIN LINK PERIMETER FENCING, SEE DETAIL ON CS501, OPTION ITEM #3
13. LOW IMPACT DEVELOPMENT (LID) DETENTION BASIN, SEE DETAIL ON C1/CG501
14. FUEL STORAGE YARD, SEE DETAILS ON AS107 TO AS109
15. GENERATOR BUILDING, SEE DETAILS ON AS107 TO AS109, EP122, AND EL122
16. 33' UNOBSTRUCTED CLEAR ZONE
17. FUEL LOADING PAD
18. ACCESSIBLE PARKING STALLS, TYP SEE DETAIL C1 ON CP502
19. CONCRETE UTILITY TRENCH, SEE DETAIL ON CS505
20. COMBAT OPERATIONS CENTER (COC) PAD - SEE DETAIL A3 ON CS505
    -ONE 303 TENT (18'x15')
    -TWO 305 TENTS (18'x25')
21. PERPENDICULAR SIDEWALK RAMP, SEE DETAIL A3 ON CS504
22. TRENCH DRAIN W/ GRATING, SEE DETAIL A5 AND C4 ON CP505. REFER TO DETAIL A3 ON CP505 WHEN TRENCH DRAINS CONNECT TO LANDSCAPE
23. CONCRETE MAINTENANCE STRIP, SEE DETAIL ON CS504
24. STOP SIGN, SEE DETAIL A4 ON CP502
25. CROSSWALK PAVEMENT MARKING, SEE DETAIL ON CP505
26. PEDESTRIAN CURB RAMP, SEE DETAIL C4 ON CS504
27. CONNECTION PATH TO P-760
28. NO PARKING FIRE LANE SIGN, SEE DETAIL B4 ON CP502
29. BUILDING TRANSFORMER, SEE SHEET AS103
30. TRUNCATED DOME ON FLUSH SHOULDER SIDEWALK, SEE DETAIL C3 ON CS504, SEE CG100 FOR GRADING
31. GUARD POST BOLLARDS, SEE DETAIL ON CS503
32. EXTERIOR SIGN, SEE DETAIL A3 ON AS105
33. EXTERIOR MONUMENT SIGN, SEE DETAIL A1 ON AS105
34. DIAGONAL CURB RAMP, SEE DETAIL A4 ON CS504
35. NEW SIDEWALK TIE-IN TO EXISTING SIDEWALK, SEE DETAIL B3 ON CS504
36. PEDESTRIAN GATE WITH PANIC HARDWARE - SEE DETAIL C1 ON CS502, OPTION ITEM #3
37. SAND FILTER, SEE DETAIL C1 ON CU504
38. STONE DIAPHRAGM WITH IMPERVIOUS SOIL LINER, SEE DETAIL A2/CG502
39. SAFE GATHERING AREA SIGN AND POST, SEE DETAIL ON DETAIL A5/CP502

LEGEND:

NO PARKING, FIRE LANE SEE DETAIL B4 ON CP502

PAVEMENT AND SIDEWALK TO RESTORATION LIMITS SEE DETAIL D3 AND C3 ON CP501 FOR PAVEMENT SECTIONS

△1	ADDED OPTION ITEM #3, KEYNOTE 04/27/2026 #39, KEYNOTE REVISION ON #3, #8, #12 AND #36, SITE PLAN REVISIONS

NAVFAC

HOI WING LAI LICENSE No 81753 STATE OF FLORIDA PROFESSIONAL ENGINEER

ASMD LLC

APPROVED: Evan Mingrel
FOR COMMANDER SAFE AND DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH
SAT. FACTORY TO DATE: 3/10/2026

DES. WL	DRN. ZM	CHK. BF	
CHKD. DKS/DMK			
SHARED ENGINEER KYM			
CHIEF ENGINEER KYM			
CHIEF PROJECT DIV. JC			

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAIL PROJECT
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
CIVIL SITE PLAN – BASE AND BID OPTIONS

SCALE: AS NOTED
DRAWING NO. 1696746
CONTRACT NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321786
SHEET 23 OF 468
CS100

DRAWFORM REVISION: 25 AUGUST 2020

OPTION ITEM #1

LOCATION POINT J
N:4932266.1647
E:875488.1801

LOCATION POINT K
N:4932234.1660
E:875505.1801

OPTION ITEM #1

OPTION ITEM #2

N:4932340.8718
E:875347.2417

N:4932350.8718
E:875241.3561

N:4932286.8326
E:875532.8647

N:4932262.8326
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LOCATION POINT F

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LOCATION POINT C
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OPTION ITEM #2

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BSTF LOCATION
POINT B
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LOCATION POINT H
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R2.00
R30.00
R20.00
R15.00

A1 CIVIL SITE LOCATION PLAN
SCALE: 1" = 30'

1	LABELS REVISION 04/27/2026

NAVFAC

No 81753 STATE OF FLORIDA PROFESSIONAL ENGINEER

ASMD LLC

ENGINEER OF RECORD: DATE: 05/22/2026

NATHANIEL PYRON,
MILCON PLANNER, DPP-H

DATE OF SIGNATURE: 3 FEB 2026

DES	WL	PM	ZM	CHK	BH
NAME	DKS/DMK				
QA/QC REVIEWER	KYM				
DESIGN RELEASER	KYM				
CSI & CCS QC	JC				

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
ENGINEERED BY: U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

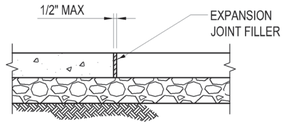
CIVIL SITE LOCATION PLAN
BASE AND BID OPTIONS

SCALE	AS NOTED
PROJECT NO.	1606746
CONTRACT NO.	N62742-20-D-0001
DAFC NO./TASK NO.	17321787
SHEET	24 OF 468

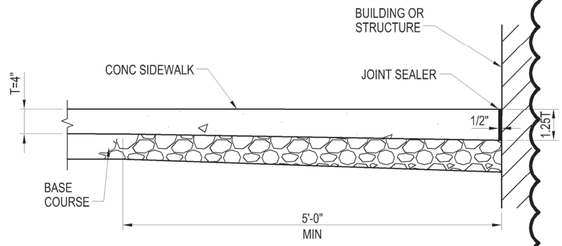
CS101

DRAWFORM REVISION: 25 AUGUST 2020

FILE



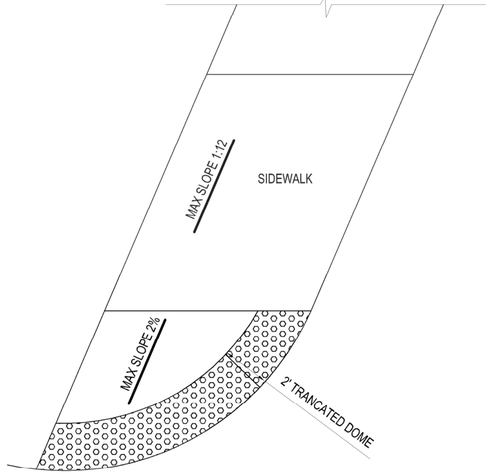
TYPICAL



AT BUILDING/STRUCTURE

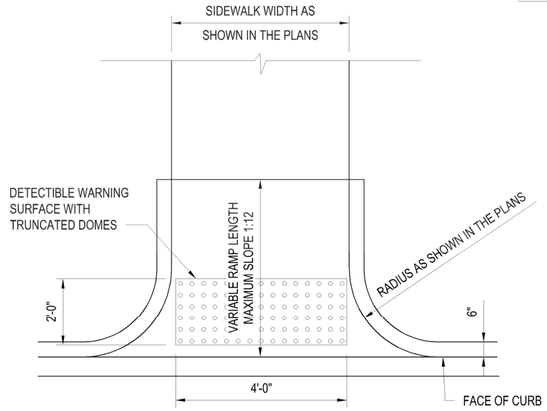
D1 CONCRETE SIDEWALK EXPANSION JOINT

SCALE: NTS



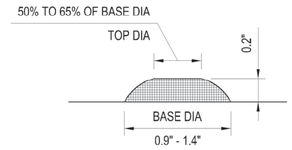
C3 TRUNCATE DOME ON FLUSH SHOULDER SIDEWALK

SCALE: NTS

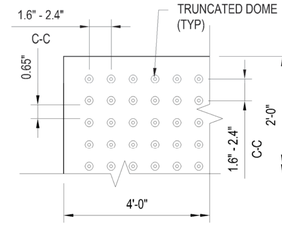


C4 ACCESSIBILITY RAMP CURB RETURN

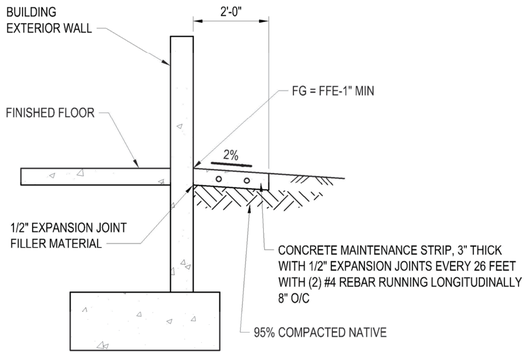
SCALE: NTS



TRUNCATED DOME - ELEVATION VIEW

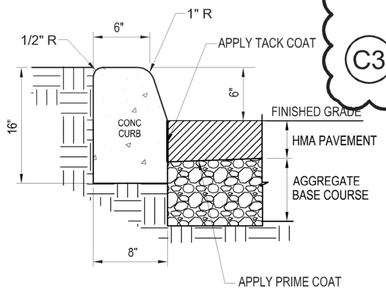


TRUNCATED DOME - PLAN VIEW



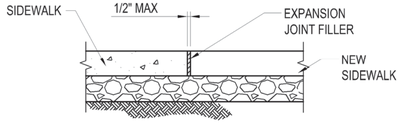
B1 CONCRETE MAINTENANCE STRIP

SCALE: NTS



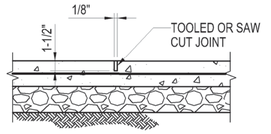
B2 PCC CURB ONLY

SCALE: NTS



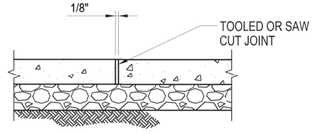
B3 EXISTING TO NEW CONCRETE SIDEWALK TRANSITION

SCALE: NTS



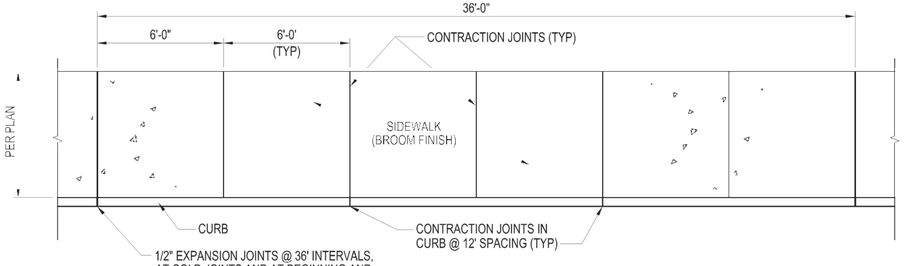
B4 CONCRETE SIDEWALK CONTRACTION JOINT

SCALE: NTS



B5 CONCRETE SIDEWALK CONSTRUCTION JOINT

SCALE: NTS



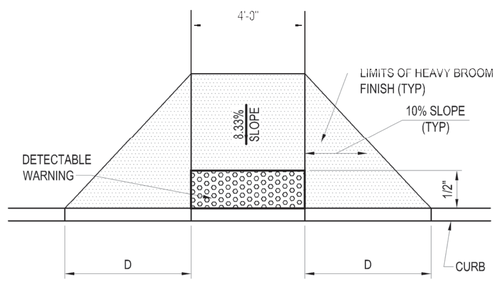
SIDEWALK NOTES:

1. WHERE POSSIBLE OBSTRUCTIONS SUCH AS UTILITY POLES, FIRE HYDRANTS, LIGHT AND SIGNAL POLES, SIGN POSTS, ETC. SHALL BE LOCATED CLEAR OF THE SIDEWALK AREA.
2. WHERE POSSIBLE PULL BOXES, VALVE COVERS, MANHOLE COVERS, ETC. SHALL BE INSTALLED OUTSIDE OF THE SIDEWALK AREA. WHERE INSTALLED WITHIN THE SIDEWALK, SURFACES MUST BE FIRM AND STABLE, SLIP RESISTANT AND FLUSH WITH THE SIDEWALK SURFACE.
3. DRESSING BACK OF SIDEWALK SHALL CONSIST OF CLEARING, GRUBBING, RESHAPING AND COMPACTING THE AREA ADJACENT TO THE SIDEWALK WITH SUITABLE MATERIAL AS SHOWN ON THE PLANS OR AS DIRECTED BY THE CONTRACTING OFFICER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE SIDEWALK.
4. CONTRACTOR SHALL EVALUATE AND DOCUMENT MEASUREMENTS OF AS-BUILT CONDITIONS FOR SIDEWALKS AND ROUTES OF INGRESS AND EGRESS AGAINST APPLICABLE ABA REQUIREMENTS. SUBMIT DOCUMENTATION OF MEASUREMENTS AND NON-CONFORMANCE SUMMARY TO THE CONTRACTING OFFICER REPRESENTATIVE. NON-CONFORMANCES SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
5. DIRECTION OF FINISH: TOP OF CURB AND SIDEWALK FINISH TRANSVERSE TO PEDESTRIAN TRAFFIC. FINISH LONG LONGITUDINAL WITH WATER FLOW.

A1 TYPICAL SIDEWALK AND CURB JOINT LAYOUT

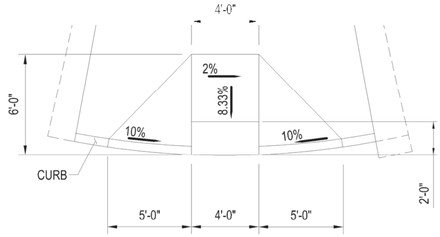
SCALE: NTS

CURB HEIGHT	D (MIN)	CURB RAMP MINIMUM LENGTH
6"	5-0"	6'-0"



A3 PERPENDICULAR SIDEWALK RAMP (TYPE 1)

SCALE: NTS



A4 DIAGONAL CURB RAMP

SCALE: NTS

		04/27/2026	DATE
	1	REVISION DETAIL C3 AND C4	DESCRIPTION
			BY/AI

NAVFAC

HOI WING LAI LICENSE No 81753 STATE OF FLORIDA PROFESSIONAL ENGINEER

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	WL	DRW	ZM	CHK	BF
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					JC

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
U.S. NAVSUPPACT
MAKALAPA HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

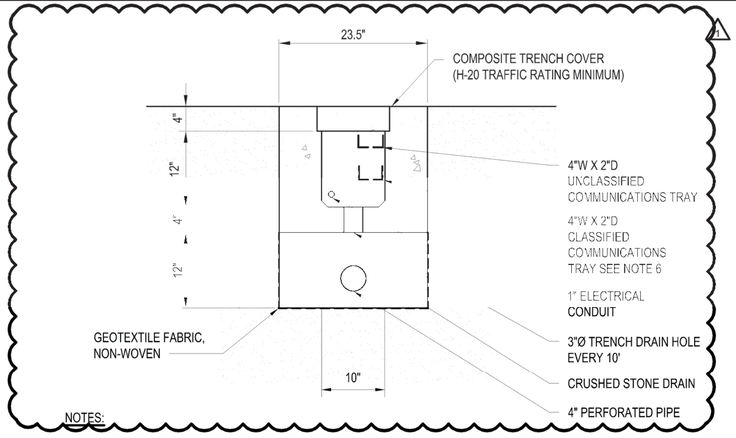
CIVIL — DETAILS — SHEET 4

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17321791
SHEET 28 OF 468

CS504

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: C:\projects\1stissource~1\common\d1186535\ELDG~J875~1696746~CS504.d
IHLS – SHEET 4 PLOTTED: Friday, April 24, 2026 – 9:25am USER: 7702

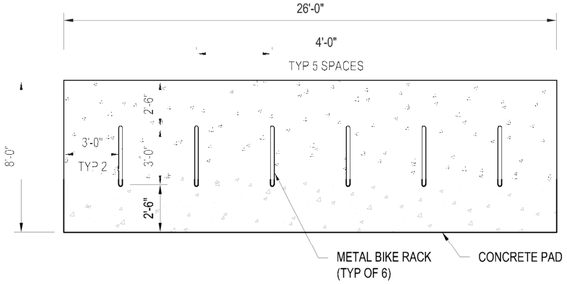


NOTES:

1. INSTALL PRECAST CONCRETE TRENCH ALONGSIDE THE PROPOSED GRADE OF THE PCC PAD.
2. AT TRENCH TERMINATIONS, FURNISH AND INSTALL REINFORCED STEEL DIAMOND PLATE TRENCH COVERS WITH RECESSED HANDLES TO ACCOMMODATE THE CUSTOM SIZED TRENCH SECTIONS.
3. INSTALL CONCRETE HEADWALL AT THE END OF THE TRENCH TO PREVENT INFILTRATION OF BACKFILL.
4. SECURE CONDUITS TO THE BOTTOM OF THE TRENCH WITH APPROPRIATE CONDUIT CLAMPS. SEAL REMAINING GAPS APPROPRIATELY.
5. ELIMINATE TRENCH DRAIN HOLE, PERFORATED PIPE AND CRUSHED STONE DRAIN AFTER CONCRETE TRENCH ENTERS BSTF BUILDING.
6. PROVIDE CLASSIFIED CABLE TRAY INSIDE U-TRENCH IN ROOM 109 INTERIOR COC PAD TRENCH ONLY. CLASSIFIED CABLE TRAY IS NOT REQUIRED IN THE U-TRENCH EXTERIOR TO THE BUILDING.

B1 PRECAST CONCRETE TRENCH INSTALLATION DETAIL

SCALE: NTS

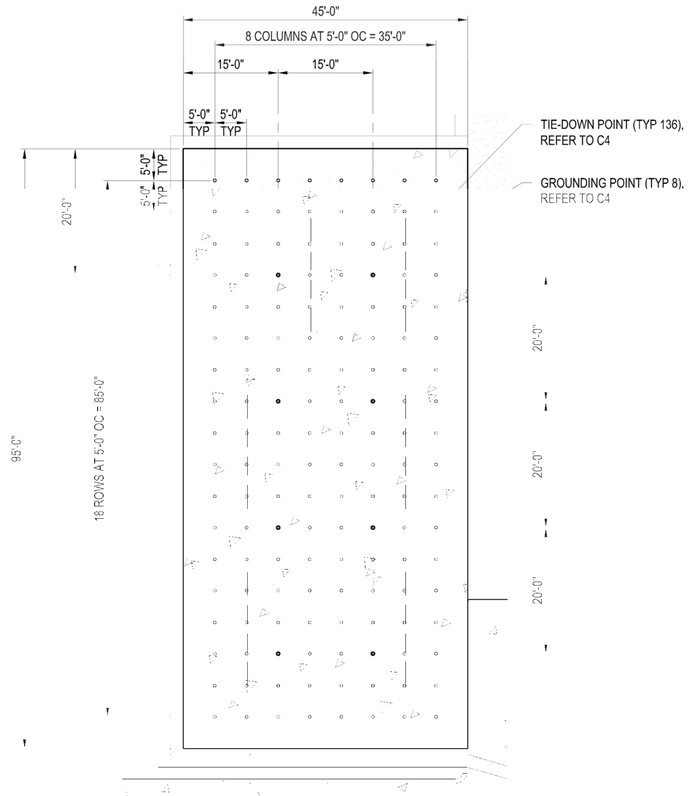


C3 BIKE RACK PAD

SCALE: NTS

NOTES:

1. REFER TO DETAIL C1 ON CP501 FOR PAVEMENT STRUCTURE.

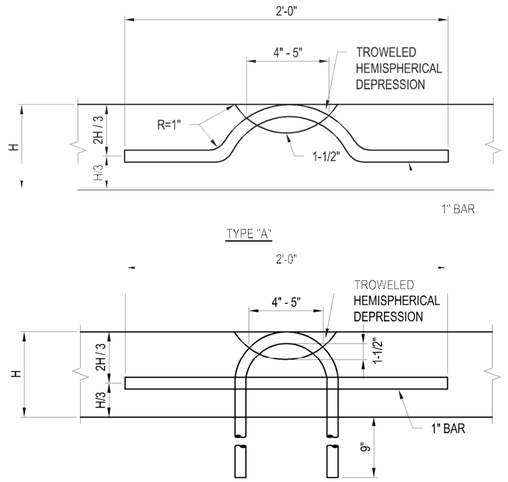


A3 COMBAT OPERATIONS CENTER PAD / TIE-DOWN PLAN

SCALE: 1" = 12'

NOTES:

1. REFER TO DETAIL C1 ON CP501 FOR PAVEMENT STRUCTURE.
2. REFER TO MIL-HDBK-274A AND HAVFAC TECHNICAL SPECIFICATION TS-02614 FOR ADDITIONAL INFORMATION.

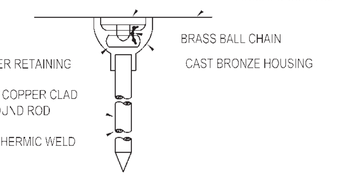


TYPE "B"

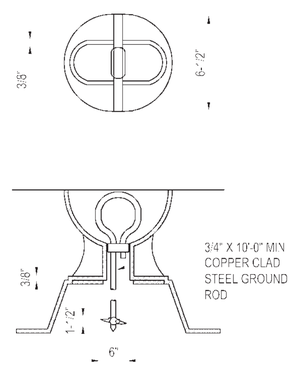
BAR SIZE FOR TYPES "A" AND "B"	
H < 10"	3/4"
H: 10" TO 12"	1"
H: 13" TO 16"	0'-1 1/4"

C4 TIE-DOWN POINT DETAILS

SCALE: NTS



MANUFACTURED UNIT



FIELD FABRICATED UNIT

A4 TIE-DOWN / GROUNDING POINT DETAIL

SCALE: NTS

DES.	WL	DRN.	ZM
CHK.	EF		

DATE: 05/22/2026

NATHANIEL PYRON,
MILCON PLANNER, DPP-I

DATE: 3 / 0 2026

PLANNED:	DAS/DMK
QA/QC REVIEWED:	KYM
CHECKED:	KYM
DESIGNED:	JC

DEPARTMENT OF THE NAVY
NAVFAC ATLANTIC

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
DAS APPROVED

U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

CIVIL
DETAILS – SHEET 5

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321792
SHEET 29 OF 468

CS505

DRAWFORM REVISION: 25 AUGUST 2020

APPR	DATE	REVISED DETAIL B1
	09/20/2024	

NAVFAC

HOI WING LAI
LICENSED
No 81753
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

ASMD LLC

APPROVED

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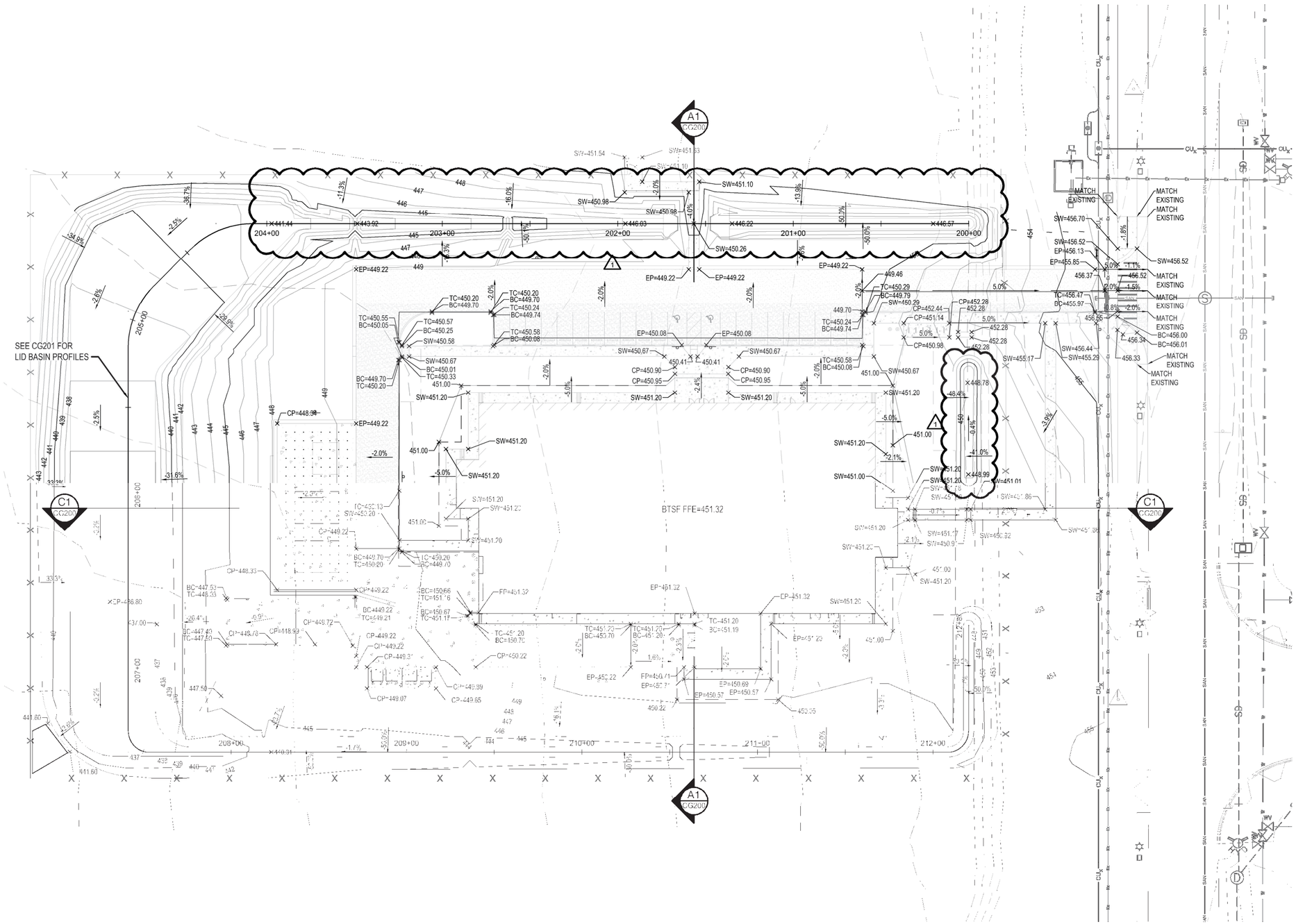

LEGEND

SW = SIDEWALK
CP = CONCRETE PAVEMENT
EP = EDGE OF PAVEMENT
TC = TOP OF CURB
BC = BOTTOM OF CURB

A1 CIVIL GRADING PLAN - BASE BID
SCALE: 1" = 30'

NORTH

REVISION ON DRY BASIN AND NORTH SWALE 04/27/2026

NAVFAC

HOI WING LAI LICENSE No 81753 STATE OF FLORIDA PROFESSIONAL ENGINEER

ASMD LLC

APPROVED: Evan Mingle
DATE: 05/22/2026

ACCEPTED: NATHANIEL PYRON, MILCON PLANNER, DPPH
DATE: 3 10 2026

DES.	WL	DWN.	ZM
CHK.	BF		
PROJECT	DKS/DMK		
GRADING DESIGNER	KYM		
CHIEF ENGINEER	KYM		
CHIEF REVIEWER	JC		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
CIVIL GRADING PLAN – BASE BID

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321793
SHEET 30 OF 468
CG100

DRAWFORM REVISION: 25 AUGUST 2020

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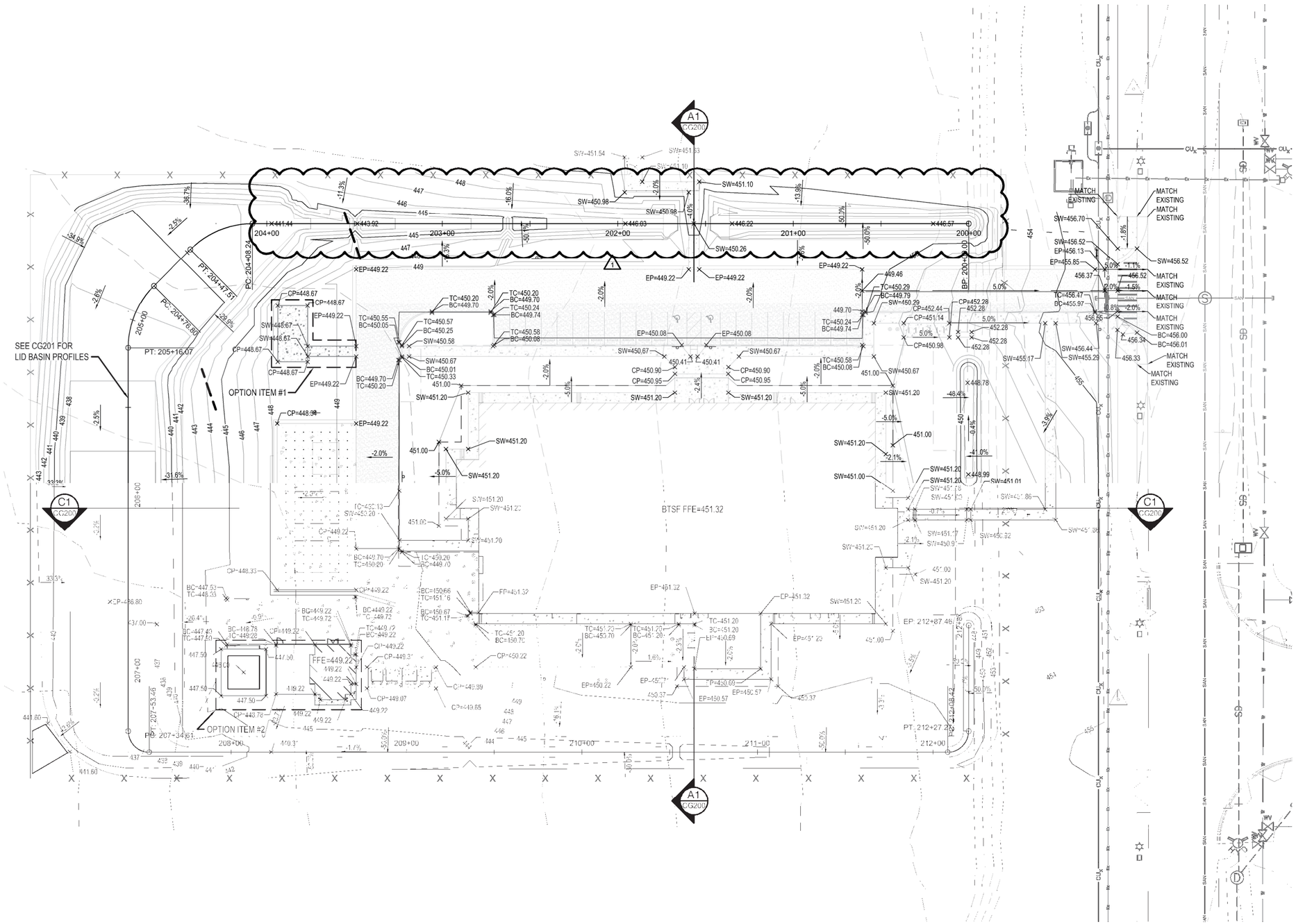


LEGEND

SW = SIDEWALK
CP = CONCRETE PAVEMENT
EP = EDGE OF PAVEMENT
TC = TOP OF CURB
BC = BOTTOM OF CURB

A1 CIVIL GRADING PLAN - BID OPTIONS 1 & 2
SCALE: 1" = 30'

NORTH

REVISION ON DRY BASIN AND NORTH SWALE 04/27/2026

NAVFAC

HOI WING LAI LICENSE No 81753 STATE OF FLORIDA PROFESSIONAL ENGINEER

ASMD LLC

APPROVED
DATE: 05/22/2026

NATHANIEL PYRON, MILCON PLANNER, DPPH
3/10/2026

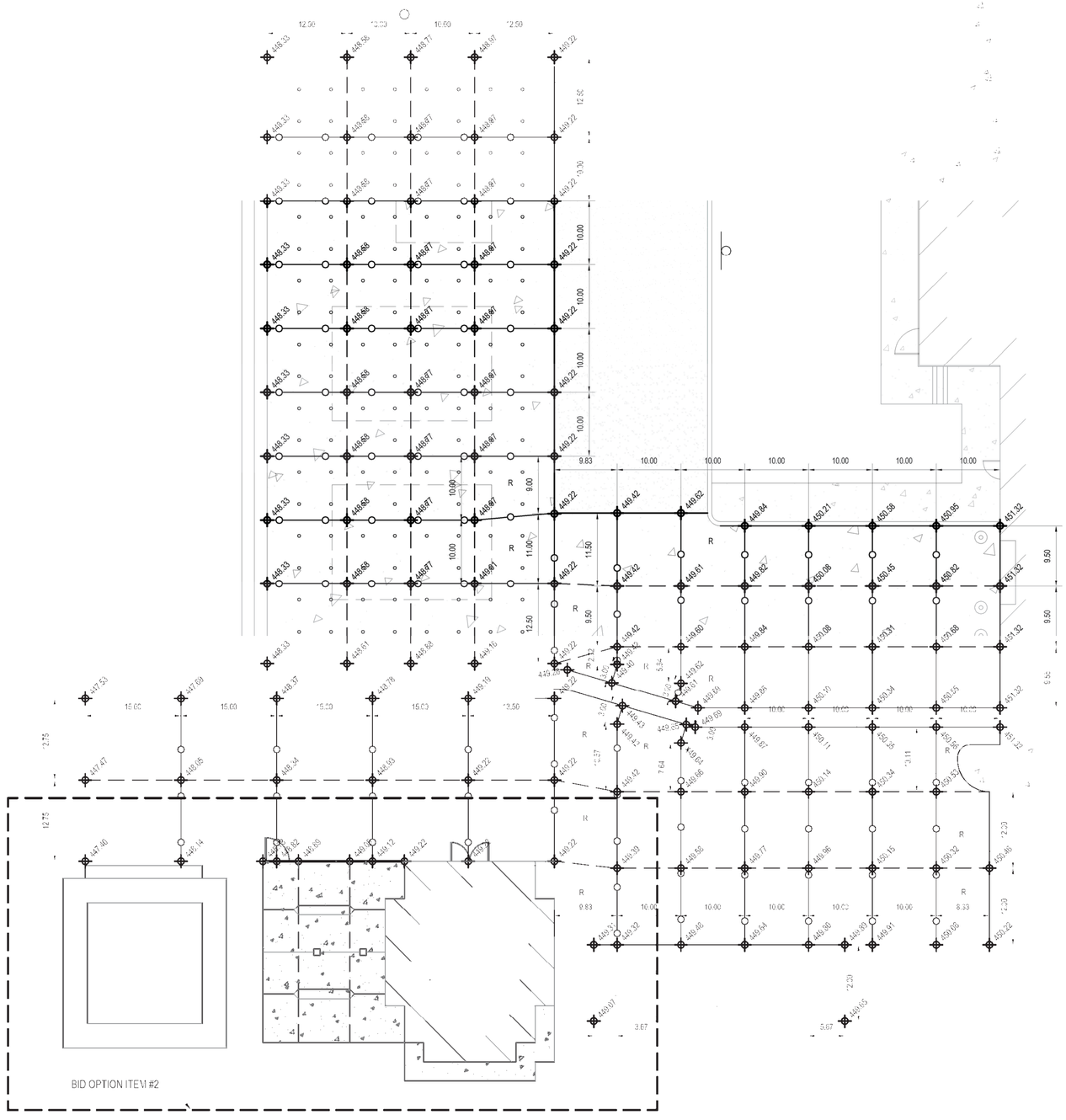
DES: WL	DRN: ZM	CHK: BF	
PROJECT: DKS/DMK			
GRAND DESIGNER: KYM			
CHIEF ENGINEER: KYM			
SUBMITTED BY: JC			

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
CIVIL GRADING PLAN – BID OPTIONS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321794
SHEET 30 OF 468
CG100B

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: C:\projects\datasource-1\



A1 CIVIL JOINTING PLAN
SCALE: 1" = 10'

NORTH

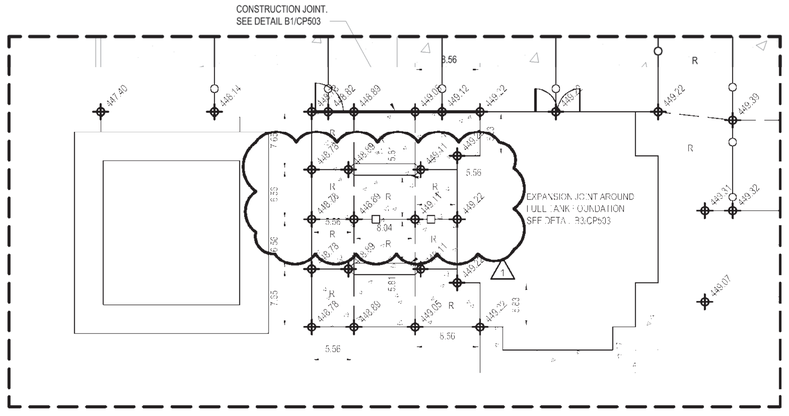
1"=10' 0' 10' 20'

LEGEND:

R	RLINFORCED SLAB: PER DETAIL S ON SHEET CP504
	CONSTRUCTION JOINT: PER DETAIL B1, SHEET CP503
	LONGITUDINAL CONTRACTION JOINT (DOWELED): PER DETAIL C1, SHEET CP503
	TRANSVERSE CONTRACTION JOINT (DOWELED): PER DETAIL C1, SHEET CP503
	THICKENED EDGE HMA/PCC INTERFACE: PER DETAIL A1, SHEET CP503
	THICKENED EDGE EXPANSION JOINT: PER DETAIL B4, SHEET CP503
450.25	TOP OF SLAB ELEVATION
TC 449.50	TOP OF CURB ELEVATION

NOTES:

1. USE CONSTRUCTION JOINTS IN PLACE OF LONGITUDINAL OR TRANSVERSE CONTRACTION JOINTS WHERE CONCRETE PLACEMENT IS ENDED FOR THE DAY.
2. AT LOCATIONS WHERE TIE DOWNS ARE NEXT TO PAVEMENT JOINTS, ALIGN THE TIE DOWN BAR TO BE PARALLEL TO THE ADJACENT JOINTS.



BID OPTION #2

REVISION ON SLAP ELEVATIONS 04/27/2026

NAVFAC

HOI WING LAI LICENSE No 81753 STATE OF FLORIDA PROFESSIONAL ENGINEER

ASMD L.L.C. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON,
MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	VS	DWG	ZM	CHK	BF

PROJECT DKS/DMK
DRAWING CHECKER KYM
CHIEF ENGINEER KYM
CHIEF ENGINEER JC

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
U.S. NAVSUPPACT MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

CIVIL PAVING PLAN – BASE AND BID OPTIONS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321801
SHEET 37 OF 468
CP100

DRAWFORM REVISION: 25 AUGUST 2020

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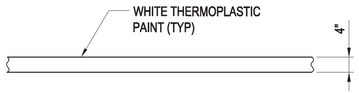
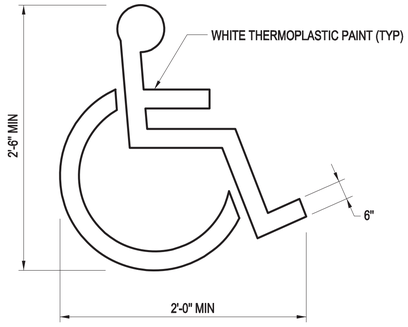
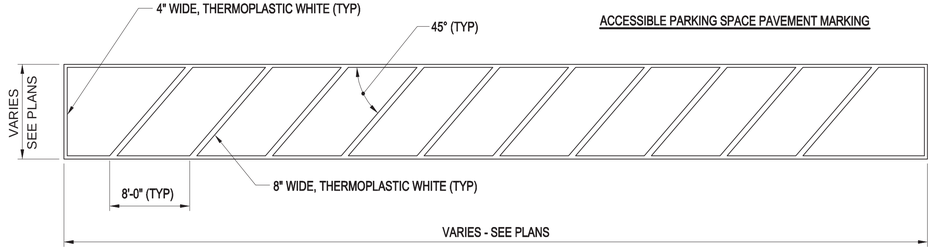


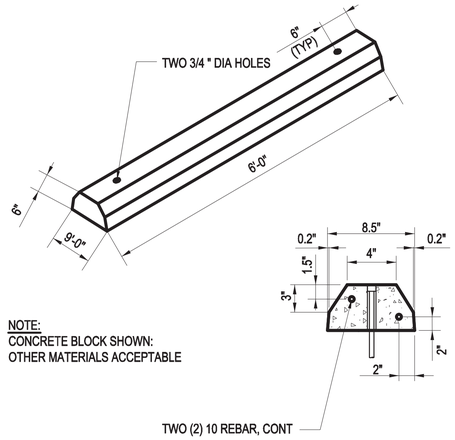
PARKING SPACE LINE



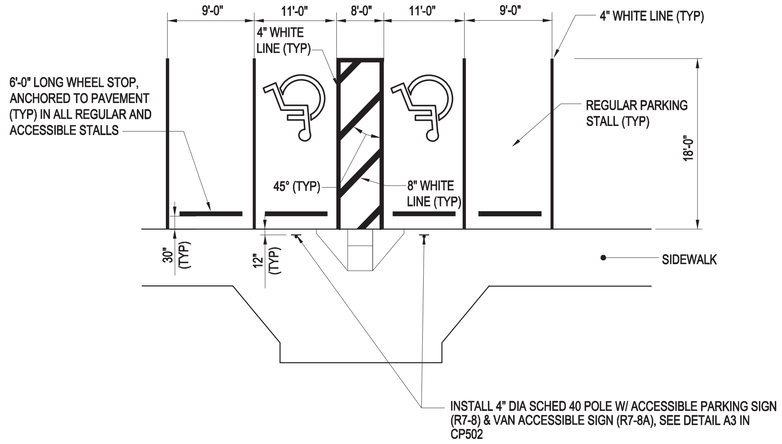
ACCESSIBLE PARKING SPACE PAVEMENT MARKING



PAVEMENT STRIPING



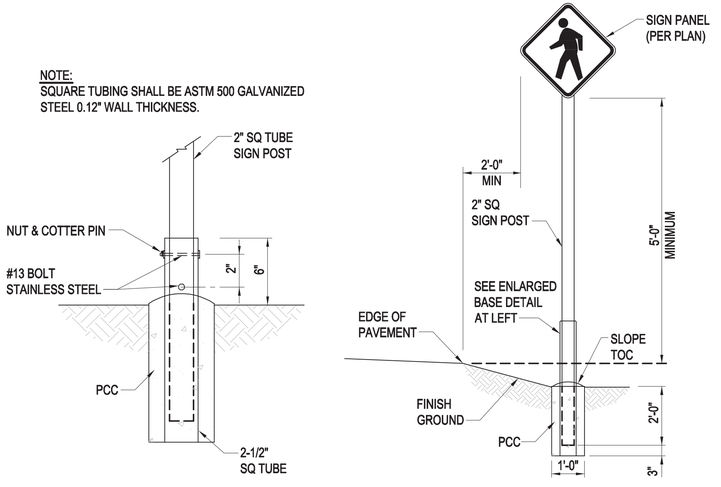
PCC WHEEL STOP



ACCESSIBLE PARKING SPACE PAVEMENT MARKING LAYOUT

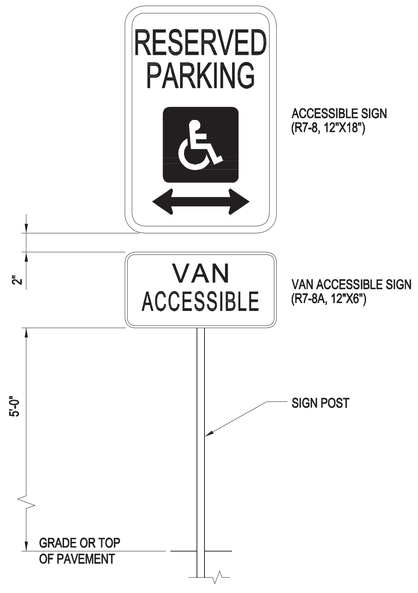
C1 PARKING LOT PAVEMENT MARKINGS

SCALE: NTS



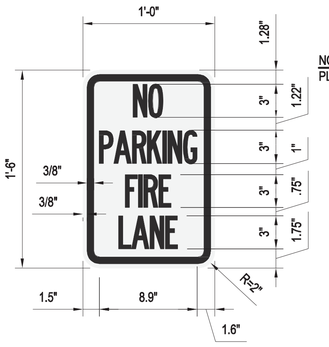
A1 TRAFFIC SIGN POST DETAIL

SCALE: NTS

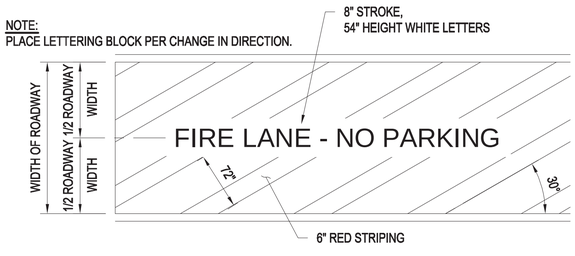


A3 ACCESSIBLE PARKING SIGN

SCALE: NTS



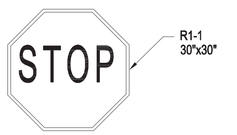
NO PARKING FIRE LANE SIGN



FIRE LANE STRIPE DETAIL

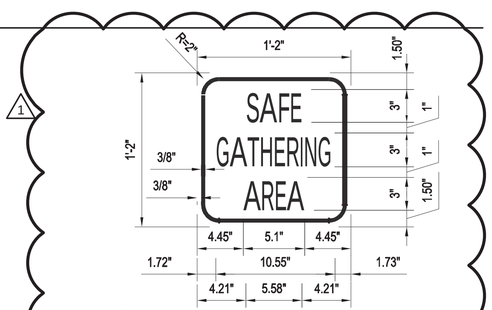
B4 FIRE LANE DETAILS

SCALE: NTS



A4 STOP SIGN DETAIL

SCALE: NTS



SAFE GATHERING AREA
SIGN DETAIL

A5

SCALE: NTS

							04/27/2026	DATE
							ADDED DETAIL A5	DESCRIPTION
							1	SYM

APPR

HOI WING LAI
LICENSE
No 81753
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON,
MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	VS	DRW	ZM	CHK	BF
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					JC

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

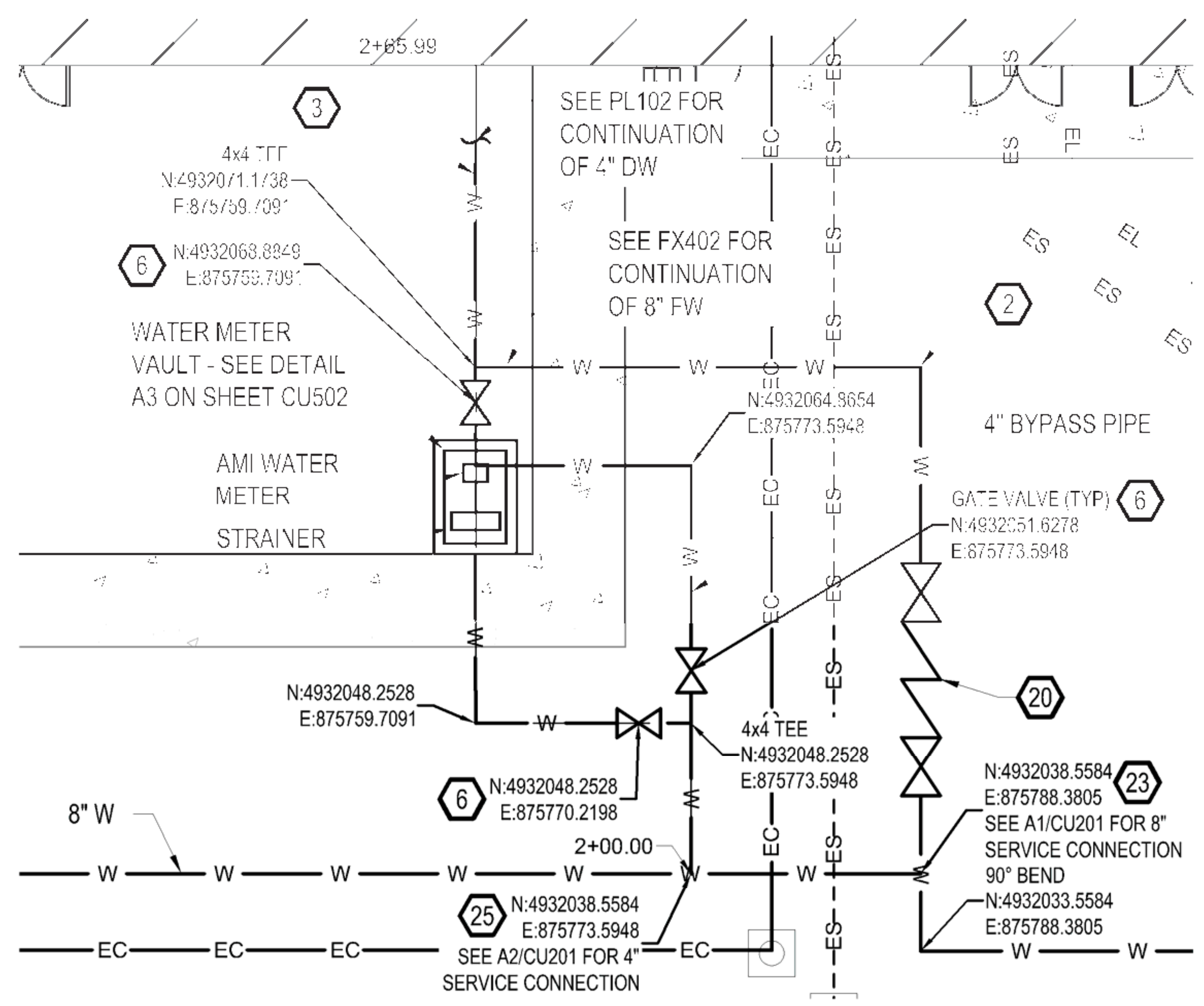
CIVIL – PAVING DETAILS – SHEET 2

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321803
SHEET 39 OF 468

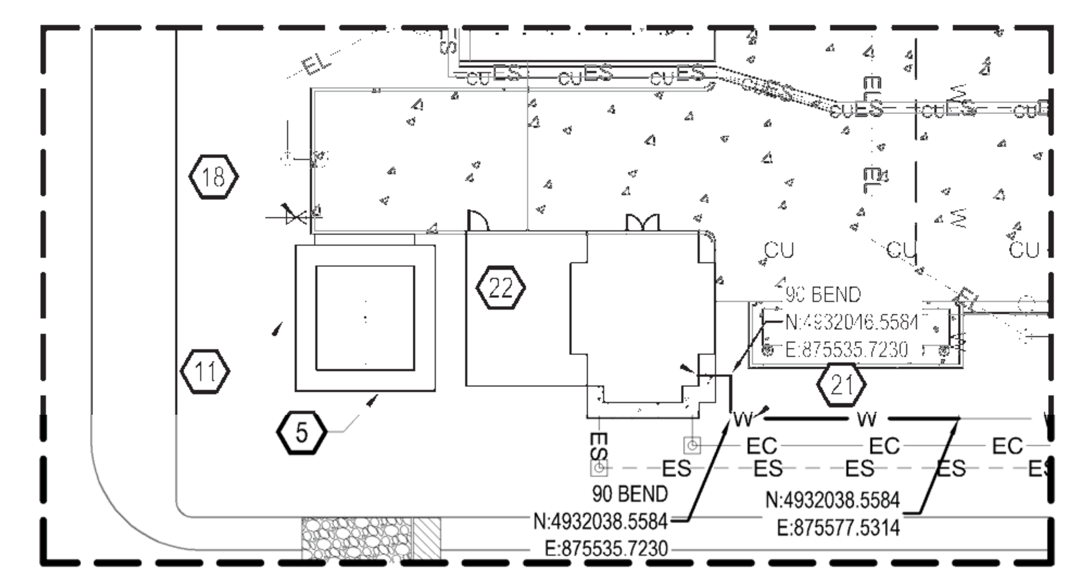
CP502

DRAWFORM REVISION: 25 AUGUST 2020

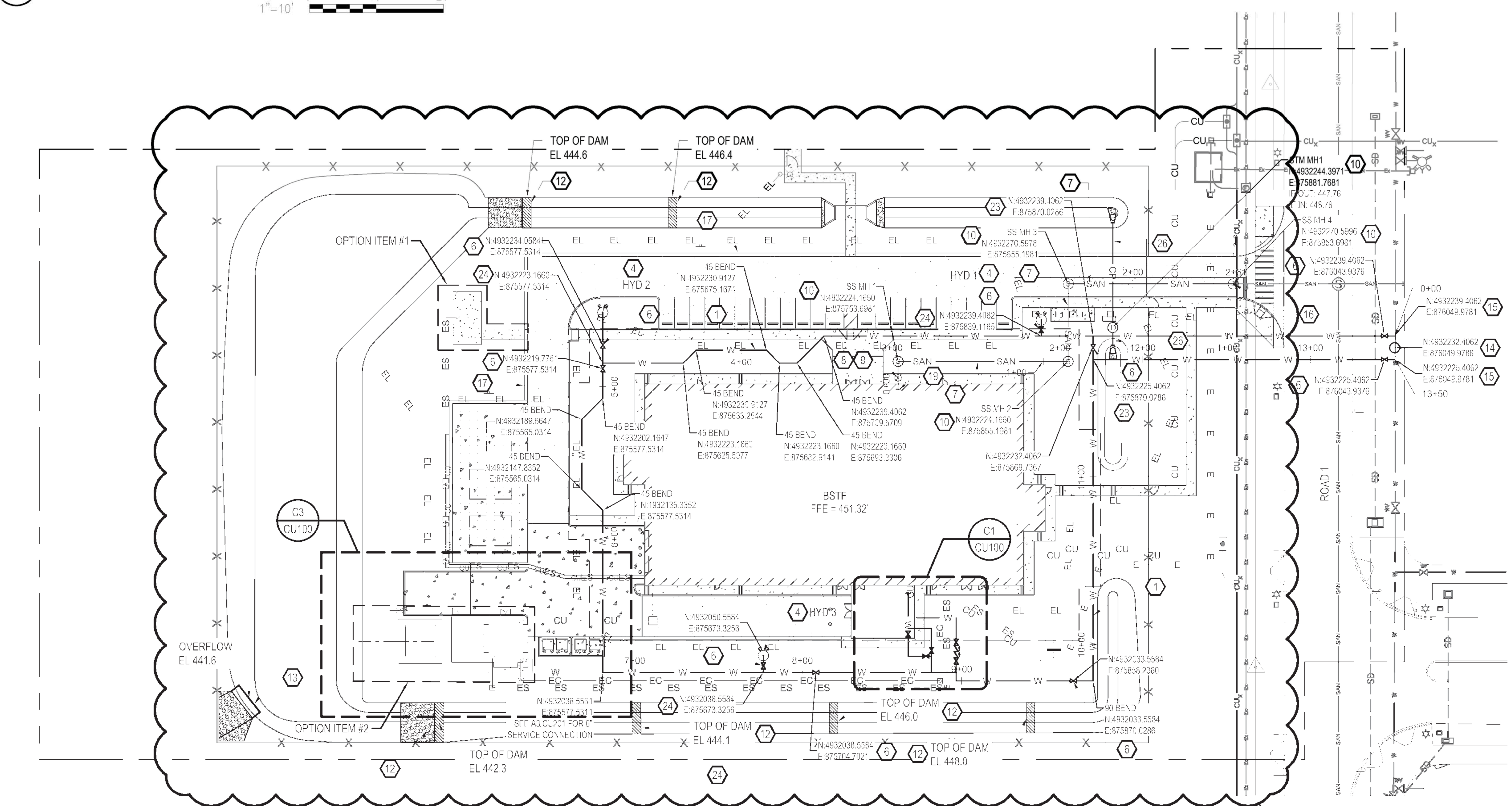
FILE NAME: C:\projects\datasource-1\common\d1186635\BLDG-J875-1696746-CP502.dwg LAYOUT NAME: - CIVIL PAVING - DETAILS - SHEET 2 PLOTTED: Friday, April 24, 2026 - 10:53am USER: 7702



C1 ENLARGED PLAN
SCALE: 1" = 10'



C3 OPTION ITEM #2 ENLARGED PLAN
SCALE: 1" = 30'



A1 CIVIL UTILITIES PLAN
SCALE: 1" = 40'

KEY NOTES:

1. PROVIDE 8" PVC C-900 DR 14 WATER MAIN
2. PROVIDE 8" PVC C-900 DR 14 FIRE WATER MA N
3. PROVIDE 4" PVC ASTM D-1785 SCH 40 DOMESTIC WATER SERVICE LINE WITH AMI WATER METER AND BYPASS LINE. SEE ENLARGED PLAN
4. PROVIDE 6" FIRE WATER SERVICE LINE AND FIRE HYDRANT ASSEMBLY, SEE DETAIL A1/CU505
5. PROVIDE SAND FILTER. SEE DETAIL C1 / CU504
6. PROVIDE WATER VALVE WITH BOX. SEE DETAIL A3/CU501
7. PROVIDE 8" PVC SDR 26 SANITARY SEWER MAIN
8. PROVIDE 6" PVC SDR 26 SANITARY SEWER SERVICE
9. PROVIDE SANITARY SEWER CLEANOUT, SEE DETAIL C1/CU503
10. PROVIDE SEWER MANHOLE, SEE DETAIL A1/CU503
11. PROVIDE 6" PVC PERFORATED SUBDRAIN INSIDE SAND FILTER AND 6" SOLID PVC PIPE OUTSIDE OF SAND FILTER TO LID BASIN. SEE PROFILE C3/CU201
12. PROVIDE CHECK DAM. SEE DETAIL A1/CG501
13. LID BASIN OUTLET
14. PROVIDE AIR RELEASE VALVE IN MANHOLE, SEE DETAIL C2/CU505
15. CONNECT 8" W TO EXISTING 8" W WITH 8x8 TEE
16. CONNECT TO EXISTING 8" SEWER STUBOUT IE = 445.80'
17. PROVIDE 2' STONE DIAPHRAGM AROUND EDGE OF PAVEMENT, SEE DETAIL C4/CG501
18. PROVIDE 2" STAINLESS STEEL (SST) DRAIN WITH 2" SST BALL VALVE. SEE DETAIL B1/CU504
19. SEE PL103 FOR CONTINUATION OF 6" SAN
20. PROVIDE DOUBLE CHECK VALVE BACK FLOW PREVENTER ABOVEGROUND, SEE DETAIL B3 / CU504
21. PROVIDE 6" PVC C-900 DR14 F RE WATER LINE
22. SEE FX407 FOR CONTINUATION OF 6" FW
23. 8x8 TEE
24. 8x6 TEE
25. 8x4 TEE
26. PROVIDE 18" RCP STORM SEWER

UTILITY LEGEND:

X —— X ——	CHAINLINK FENCE
—— — ——	PROJECT BOUNDARY
—— S ——	EXISTING SANITARY SEWER
—— W ——	EXISTING WATER LINE
—— CUx ——	EXISTING FIBER OPTICS
—— ——	EXISTING UNDERGROUND ELECTRIC
— W — W — W —	PROPOSED WATER
—— SAN ——	PROPOSED SANITARY SEWER
— — —	PROPOSED UNDERDRAIN PIPE
— CP — CP — CP —	PROPOSED CULVERT
E E E	PROPOSED UNDERGROUND ELECTRIC DUCTBANK
ES EC ES EC ES EC	PROPOSED UNDERGROUND ELECTRIC CONDUIT
CU CU CU	PROPOSED UNDERGROUND COMMUNICATIONS
El El EL EL	PROPOSED SITE LIGHTING CONDUIT
— —	33' UNOBSTRUCTED CLEAR ZONE

REVISION ON PROPOSED LIGHTING CONDUIT AND LIGHT POLES 04/27/2026

LICENSED PROFESSIONAL ENGINEER CANDICE LYNN BARK 19910 GUAM
SEAL

APPROVED
DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3 10 2026

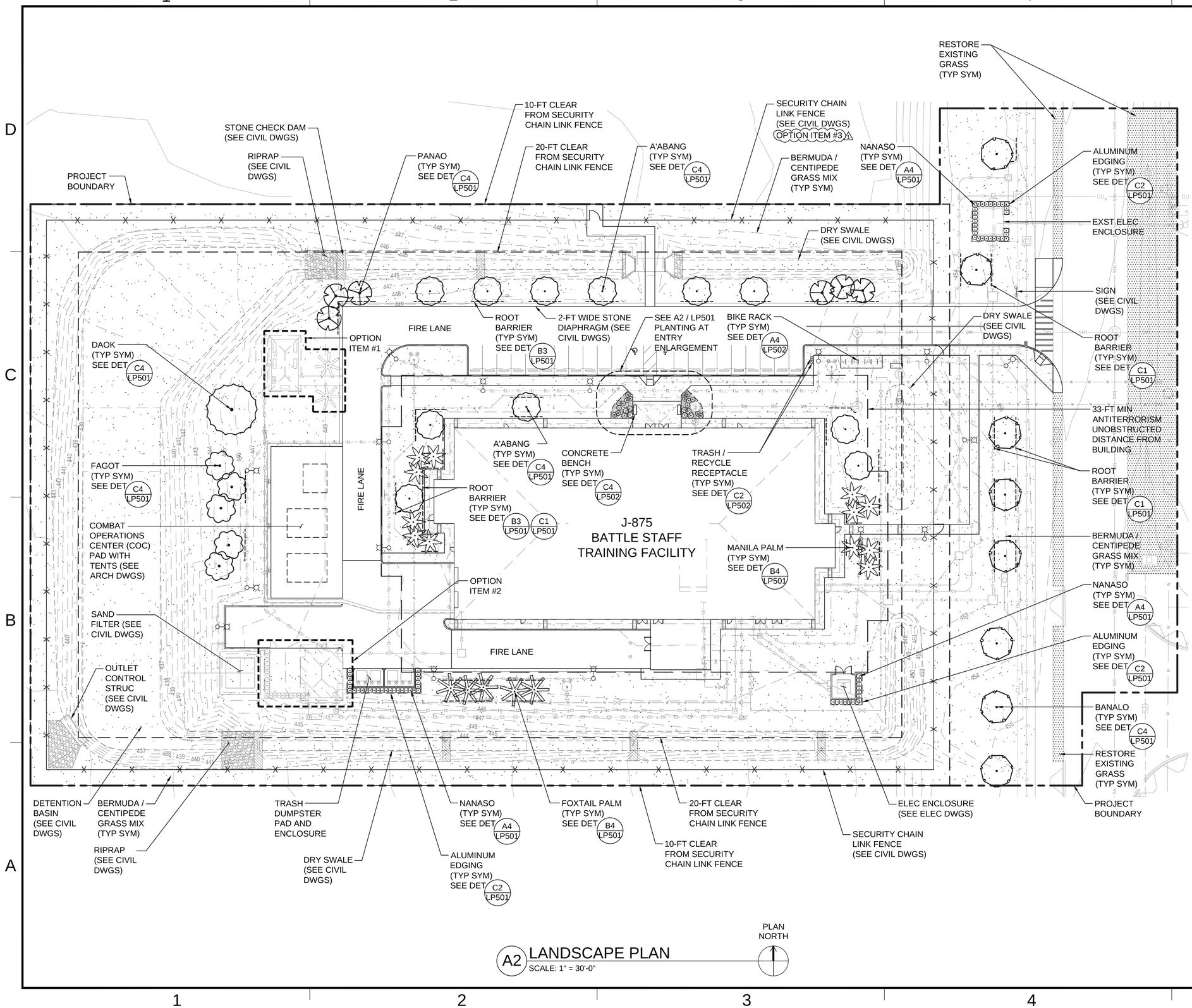
DES CB	DRW ZM	CHK BF
PM/DM		DKS/DMK
BRANCH MANAGER		KYM
CHIEF ENG/ARCH		KYM
FIRE PROTECTION		JC

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PAC FE
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
CIVIL UTILITY PLAN

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321807
SHEET 43 OF 468

CU100

DRAWFORM REVISION: 25 AUGUST 2020



A2 LANDSCAPE PLAN
SCALE: 1" = 30'-0"

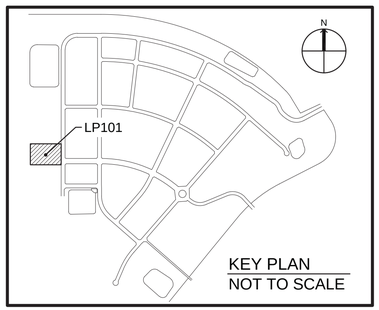
PLAN NORTH

LANDSCAPE NOTES

A	PROVIDE 1" OF ORGANIC SOIL CONDITIONER AND FERTILIZER, SPREAD AND TILL 4" DEEP INTO SOIL.
B	PROVIDE TEMPORARY ON-GRADE IRRIGATION SYSTEM DURING MAINTENANCE PERIOD, SEE SHEET LP601 FOR TEMPORARY IRRIGATION NOTES.
C	TURF AREAS, PAVEMENTS AND FACILITIES THAT HAVE BEEN DAMAGED FROM PLANTING OPERATIONS MUST BE RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. KEEP CLEAN AT ALL TIMES AT LEAST ONE PAVED PEDESTRIAN ACCESS ROUTE AND ONE PAVED VEHICULAR ACCESS ROUTE TO EACH BUILDING. CLEAN OTHER PAVING WHEN WORK IN ADJACENT AREAS IS COMPLETE.

ABBREVIATIONS

ARCH	ARCHITECTURAL
CRB	COCONUT RHINOCEROS BEETLE
DET	DETAIL
DIA	DIAMETER
DWG	DRAWING
DWGS	DRAWINGS
ELEC	ELECTRICAL
EXST	EXISTING
FT	FEET OR FOOT
LID	LOW IMPACT DEVELOPMENT
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
SS	STAINLESS STEEL
STRUC	STRUCTURAL
TELECOM	TELECOMMUNICATION
TYP SYM	TYPICAL SYMBOL
UV	ULTRAVIOLET



GRAPHIC SCALE:
30' 0 30' 60'
1" = 30'

DATE	DESCRIPTION	SYM
4/27/26	ADDED CALLOUT FOR OPTION ITEM #3	

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 03/10/2026

DES	LK	DRW	LK	CHK	BT
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENGARCH					KYM
FIRE PROTECTION					RYO

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ PACIFIC
DEPARTMENT OF THE NAVY
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MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
U.S. NAVSUPPACT

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

LANDSCAPE PLAN - BASE AND OPTIONS

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321828
SHEET	51 OF 468

LP101

DRAWFORM REVISION: 25 AUGUST 2020

FILE NAME: O:\ASMD J-875 BSTF\CAD\Sheets\J-875 BSTF LP101.dwg LAYOUT NAME: LP101 PLOTTED: Friday, April 24, 2026 - 4:17pm USER: ikellioa

STRUCTURAL DESIGN CRITERIA:

1. BUILDING CODE: UFC 1-200-01, DOD BUILDING CODE, WITH CHANGE 4, 17 DECEMBER 2024. INTERNATIONAL BUILDING CODE (IBC) 2024; PUBLISHED BY INTERNATIONAL CODE COUNCIL, INC.
2. ASCE 7-22 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES; PUBLISHED BY AMERICAN SOCIETY OF CIVIL ENGINEERS.
3. STEEL DESIGN CODE: AISC 360-22 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 341-22 SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS; PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
4. CONCRETE DESIGN CODE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-19; PUBLISHED BY AMERICAN CONCRETE INSTITUTE.
5. MASONRY DESIGN CODE: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES TMS 402/602-22.
6. STRUCTURAL STEEL: SEE SPECIFICATION.
7. CONCRETE COMPRESSIVE STRENGTH: 4000 PSI AT 28 DAYS.
8. MASONRY COMPRESSIVE STRENGTH (fm'): 2000 PSI.
9. REINFORCING STEEL: ASTM A615, GRADE 60, UNO.
   A. ASTM A615 GRADE 60 DEFORMED REINFORCEMENT RESISTING EARTHQUAKE-INDUCED FORCES IN FRAME MEMBERS, STRUCTURAL WALLS, PILASTERS AND COUPLING BEAMS SHALL COMPLY WITH THE FOLLOWING:
      1. THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED f, BY MORE THAN 1,800 PSI; AND
      2. THE RATIO OF THE ACTUAL TENSILE STRENGTH TO THE ACTUAL YEILD STRENGHTH IS NOT LESS THAN 1.25.
      3. MINIMUM ELONGATION IN 8 IN. SHALL BE AT LEAST 14 PERCENT FOR BAR SIZES No. 3 THROUGH No. 6 AND AT LEAST 12 PERCENT FOR BAR SIZES No. 7 THROUGH No. 11.

      IF THESE CONDITIONS CANNOT BE MET OR AT THE CONTRACTOR'S OPTION, DEFORMED REINFORCEMENT COMPLYING WITH ASTM A706 SHALL BE USED.

   B. AT THE CONTRACTOR'S OPTION, ASTM A706 MAY BE USED FOR ALL REINFORCING BARS IN LIEU OF ASTM A615.
   C. SUBMIT THE MILL TEST REPORTS TO THE CONTRACTING OFFICER FOR REVIEW.
10. WELDED WIRE FABRIC: ASTM A185.
11. REQUIRED SAFE NET ALLOWABLE SOIL BEARING PRESSURE: 3000 PSF.
12. MINIMUM FOUNDATION DEPTH: 3 FEET, UNLESS NOTED OTHERWISE.
13. FLOOR LIVE LOADS:
   A. UNIFORM LIVE LOAD: SEE PLANS
   B. CONCENTRATED LOAD: SEE PLANS
   C. LIVE LOAD REDUCTION COEFFICIENT: SEE PLANS
14. ROOF LIVE LOADS: SEE PLANS
15. WIND DESIGN DATA:
   A. OCCUPANCY CATEGORY: III
   B. BASIC WIND SPEED (3 SEC GUST): 210 MPH
   C. WIND EXPOSURE: C
   D. BUILDING ENCLOSURE: ENCLOSED
   E. GUST EFFECT FACTOR: 0.85
   F. TOPOGRAPHIC FACTOR, (Kzt): 1.0
   G. GROUND ELEVATION FACTOR, (K_0): 1.0
   H. COMPONENTS AND CLADDING PRESSURE: SHEET SF107
16. EARTHQUAKE DESIGN DATA:
   A. RISK CATEGORY: III
   B. SEISMIC IMPORTANCE FACTOR (I): 1.25
   C. SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (S_S): 2.22G
   D. 1 SECOND SPECTRAL RESPONSE ACCELERATION (S_1): 0.54G
   E. SITE CLASS: D (AS RECOMMENDED BY PROJECT GEOTECHNICAL ENGINEER)
   F. SHORT PERIOD SPECTRAL RESPONSE PARAMETER (S_{DS}): 1.48G
   G. 1 SECOND SPECTRAL RESPONSE PARAMETER (S_{D1}): 0.95G
   H. SEISMIC DESIGN CATEGORY (SDC): D
   I. ANALYSIS PROCEDURE USED: EQUIVALENT LATERL FORCE
   J. BASIC SEISMIC-FORCE-RESISTING SYSTEM: SPECIAL REINFORCED CONCRETE SHEAR WALLS
   K. RESPONSE MODIFICATION FACTOR (R): 5
   L. SEISMIC RESPONSE COEFFICIENT (C_S): 0.369
   M. DESIGN BASE SHEAR (V): 6950 KIPS
17. FLOOD DESIGN DATA:
   A. FLOOD HAZARD AREA: NONE

BUILDING STABILITY:

1. THE BUILDING STRUCTURE IS NOT A SELF-SUPPORTING FRAME. THE FOLLOWING COMPONENTS OF THE BUILDING STRUCTURE FORM A PART OF THE BUILDING LATERAL STABILITY SYSTEM. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED FOR LATERAL STABILITY UNTIL THESE COMPONENTS ARE COMPLETELY INSTALLED AND CONCRETE (WHERE APPLICABLE) HAS ACHIEVED DESIGN STRENGTH:
   A. CONCRETE SLABS WHICH FUNCTION AS HORIZONTAL DIAPHRAGMS.
   B. CONCRETE WALLS WHICH FUNCTION AS SHEAR WALLS.

FIELD MEASUREMENT NOTES:

1. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE; CONTRACTOR SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURES, BREECHING AND EQUIPMENT TO VERIFY DIMENSIONS SHOWN ON DRAWINGS AND TO PROVIDE DIMENSIONS NOT SHOWN, PRIOR TO FABRICATION. COSTS FOR MODIFICATIONS OF NEW CONSTRUCTION, DUE TO LACK OF CONFIRMATION OF DIMENSIONS BY FIELD MEASUREMENTS SHALL BE BORNE BY CONTRACTOR.
2. CONTRACTOR'S STRUCTURAL STEEL DETAILER SHALL MAKE NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURAL STEEL CONNECTIONS TO ENSURE NEW CONNECTION DETAILS SHOWN ON SHOP DRAWINGS ARE COMPATIBLE WITH EXISTING CONNECTIONS AND ARE CONSTRUCTIBLE AS DETAILED.

SPECIAL INSPECTION REQUIREMENTS:

1. SPECIAL INSPECTION WORK SHALL BE ACCOMPLISHED AS PART OF THE CONTRACTOR QUALITY CONTROL REQUIRMENTS. SEE SPECIFICATION SECTION 01 45 35 "SPECIAL INSPECTIONS".
2. CONTRACTOR SHALL RETAIN ONE OR MORE SPECIAL INSPECTORS WHO SHALL PROVIDE INSPECTIONS DURING CONSTRUCTION FOR THE TYPES OF WORK IDENTIFIED BY THE SCHEDULE OF SPECAIL INSPECTIONS. SPECIAL INSPECTOR QUALIFICATIONS ARE LISTED IN SPECIFICATION SECTION 01 45 35 "SPECIAL INSPECTIONS".
3. IN ADDITION TO PROPERLY QUALIFIED INSPECTORS. THE SERVICES OF SPECIAL INSPECTOR OF RECORD (SIOR) SHALL BE RETAINED, AS PART OF THE CONTRACTOR'S QUALITY CONTROL ORGANIZATION, TO COMPREHENSIVELY MANAGE AND OVERSEE ALL STRUCTURAL SPECIAL INSPECTIONS. THE SIOR SHALL BE A U.S. REGISTERED STRUCTURAL ENGINEER. SEE SPECIFICATION SECTION 01 45 35 FOR SIOR QUALIFICATIONS, AND THE RESPONSIBILITIES AND DUTIES OF THE SIOR.
4. IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK TO NOTIFY THE SPECIAL INSPECTOR THAT SUCH WORK IS READY FOR INSPECTION. INSPECTION REQUESTS SHALL BE IN WRITING AND FILED AT LEAST TWO WORKING DAYS BEFORE SUCH INSPECTION IS DESIRED.
5. IT SHALL BE THE DUTY OF THE CONTRACTOR TO CAUSE THE WORK TO REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES. NEITHER FOR EXPENSES ENTAILED IN THE REMOVAL OR REPLACEMENT OF ANY MATERAL REQUIRED TO ALLOW INSPECTION.
6. THE SPECIAL INSPECTOR SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR SAFETY PRECAUITIONS AND PROGRAMS INCIDENT TO THE WORK OF THE CONTRACTOR.
7. WHILE THE SPECIAL INSPECTOR'S EFFORTS ARE INTENDED TO PROVIDE A GREATER DEGREE OF CONFIDENCE FOR THE OWNER AND THE CONTRACTING OFFICER THAT THE COMPLETED WORK OF THE CONTRACTOR'S RESPOSIBILITIES FOR THE CONSTRUCTION OF THE PROJECT.
8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FINAL QUALITY CONTROL REVIEW OF WORK TO ENSURE THAT ITEMS OBSERVED BY THE SPECIAL INSPECTOR HAVE NOT BEEN MOVED, REMOVED, DISPLACED OR DISLODGED BY THE NUMEROUS SUBCONTRACTORS WORKING ON THE SITE BETWEEN INSPECTION AND COMPLETION OF WORK.
9. ACCEPTANCE AS A RESULT OF AN INSPECTION SHALL NOT BE CONSTRUED TO BE AN ACCEPTANCE OF A VIOLATION OF THE BUILDING CODE PROVISIONS OR OF OTHER ORDINANCES OF THE JURISDICITION. INSPECTION PRESUMING TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF THE BUILDING CODE OR OF OTHER ORDINANCES OF THE JURISDICTION SHALL NOT BE VALID.
10. SUBSTITUTION AS A RESULT OF AN INSPECTION SHALL NOT BE ALLOWED. INSPECTIONS PRESUMING TO GIVE AUTHORITY TO CHANGE THE PROVISIONS OF THE CONTRACT DOCUMENTS SHALL BE SUBMITTED BY THE CONTRACTOR AS A SUBSTITUTION REQUEST FOR REVIEW BY THE ARCHITECT AND CONTRACTING OFFICER PRIOR TO COMPLETION OF WORK.
11. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE QUALITY OF WORK AND COMPLIANCE WITH CONSTRUCTION DOCUMENTS. THE SPECIAL INSPECTIONS DO NOT CONSTITUTE REPLACEMENT OF THEIR REQUIRED QUALITY CONTROL OR APPROVAL OF THEIR WORK. THE CONTRACTING OFFICER, SPECIAL INSPECTOR AND ENGINEER OF RECORD SHALL NOT BE LIABLE FOR ANY EXPENSES ENTAILED IN NON-CONFORING WORK THAT MAY OR MAY NOT BE IDENTIFIED IN THE SPECIAL INSPECTION PROCESS.
12. FIELD OBSERVATIONSBY S.E.R. ARE PERFORMED SOLELY FOR DETERMINING IF CONTRACTOR IS PREFORMING WORK IN GENERAL CONFORMANCE WITH THE DESIGN INTENT CONVEYED IN CONTRACT DOCUMENTS. OBSERVATIONS DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SPECIAL INSPECTION OR SUPERVISION OF CONSTRUCTION.

CONCRETE DEMOLITION NOTES:

1. REMOVE CONCRETE TO LIMITS SHOWN.
2. AT LIMITS OF CONCRETE TO BE REMOVED WHERE EXISTING CONCRETE IS TO REMAIN, PERFORM REMOVAL AS FOLLOWS:
   A. WHERE LIMITS OF CONCRETE REMOVAL FORM A CORNER, CORE DRILL (3" DIA MINIMUM) CONCRETE AT CORNER PRIOR TO SAW CUTTING. OVER CUTTING BY SAW AT CORNERS IS NOT PERMITTED.
   B. INITIATE REMOVAL BY SAW CUT. SAW CUTS MAY BE MADE THROUGH ENTIRE THICKNESS OF CONCRETE UNLESS EXISTING REINFORCING IS SHOWN TO REMAIN AND EXTEND INTO SUBSEQUENT NEW CONCRETE CONSTRUCTION.
   C. WHERE SAW CUTTING THROUGH ENTIRE SECTION IS NOT POSSIBLE DUE TO SPACE LIMITATIONS FOR EQUIPMENT OR WHERE NOT PERMITTED DUE TO RETENTION OF EXISTING REINFORCING, REMOVE CONCRETE BY PRE-DRILLING SERIES OF HOLES ALONG LINE OF REMOVAL TO WEAKEN CONCRETE AND THEN REMOVE CONCRETE BY USE OF HAND HELD JACK HAMMERS.
   D. EXISTING CONCRETE TO REMAIN SHALL NOT BE DAMAGED BY CONCRETE REMOVAL PROCESS. INSPECT CONCRETE TO REMAIN AT DEMOLITION LIMITS AND REPORT TO ENGINEER ANY EVIDENCE OF DAMAGED CONDITIONS.
   E. EXISTING REINFORCING BARS THAT ARE TO BE RETAINED SHALL NOT BE DAMAGED BY DEMOLITION PROCESS. DAMAGED BARS OR BARS BENT EXCESSIVELY BY DEMOLITION PROCESS SHALL BE CUT AND MECHANICALLY SPLICED AT CONTRACTOR'S EXPENSE.

CONCRETE NOTES:

1. EXPOSED CONCRETE CORNER CHAMFER: 1" UNLESS SHOWN OTHERWISE.
2. KEYWAY DIMENSIONS: DEPTH 1-1/2"; WIDTH ONE-THIRD THAT OF MEMBER UNLESS SHOWN OTHERWISE.
3. CONSTRUCTION JOINTS AS SHOWN MAY BE VARIED TO SUIT PLACING SEQUENCE PROVIDED THE RELOCATION, ADDITION, OR DELETION OF CONSTRUCTION JOINTS IS APPROVED BY THE ENGINEER PRIOR TO PREPARATION OF REINFORCING STEEL SHOP DRAWINGS.
4. CONCRETE IN VERTICAL COLUMNS OR WALLS SHALL BE IN PLACE A MINIMUM OF TWO HOURS, OR UNTIL CONCRETE IS NO LONGER PLASTIC, BEFORE CONCRETE IS PLACED FOR SLABS, BEAMS OR GIRDERS SUPPORTED THEREON. REMOVE LAITANCE AND ROUGHEN SURFACE BEFORE PLACING CONCRETE FOR HORIZONTAL SECTION.
5. SECURE WATERSTOPS TO PREVENT DISPLACEMENT OR FOLDING OVER DURING PLACEMENT OF CONCRETE. SECURE BY TYING WITH WIRE TO REINFORCING STEEL OR OTHER APPROVED METHOD.
6. PROVIDE PIPE SLEEVE FOR ALL PIPES AND CONDUITS THAT PASS THROUGH MASONRY OR CONCRETE. MAKE SLEEVES IN WALLS FLUSH AND EXTEND SLEEVES IN FLOORS 4" ABOVE TOP OF FLOOR UNLESS SHOWN OTHERWISE.
7. PIPE AND PIPE SLEEVES FOR PIPES ARE NOT SHOWN. SEE SPECIFICATIONS. FINAL LOCATION SUBJECT TO CONTRACTING OFFICER'S APPROVAL.
8. PROVIDE SETTING TEMPLATES TO POSITION ANCHOR BOLTS PRIOR TO PLACING CONCRETE. ACCURATELY POSITION BOLTS TO ASSURE CORRECT VERTICAL AND HORIZONTAL LOCATION TO MATCH STEEL OR EQUIPMENT BOLT PATTERN.
9. ALL METAL FABRICATIONS EMBEDDED IN CONCRETE, OTHER THAN REINFORCING AND ANCHOR BOLTS, SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 AND ASTM A386 AS APPLICABLE.
10. CONCRETE SHALL NOT BE LOADED UNTIL IT HAS ATTAINED SUFFICIENT STRENGTH TO SAFELY WITHSTAND LOADING AND UNTIL REQUIRED SHORING AND BRACING HAVE BEEN INSTALLED.
11. DO NOT PLACE LOADS WITHIN 6 FEET OF CONSTRUCTION JOINT IN SLABS FOR AT LEAST 7 DAYS AFTER SLAB IS PLACED.
12. DO NOT PERFORM ANY OPERATIONS NEAR GROUND FLOOR SLAB PLACEMENT WHICH COULD CAUSE VIBRATION OR SETTLEMENT OF THE SUPPORTING SOIL STRATA FOR AT LEAST 7 DAYS AFTER SLAB IS PLACED.
13. CONSTRUCTION CRANE OR OTHER HEAVY ERECTION EQUIPMENT WILL NOT BE PERMITTED ON SLABS.
14. FOUNDATION WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION.
15. CONTRACTOR IS RESPONSIBLE FOR PREVENTION OF FLOATATION OF STRUCTURES DURING CONSTRUCTION.
16. DO NOT PLACE CONCRETE UNTIL REINFORCING STEEL PLACEMENT HAS BEEN VERIFIED BY SPECIAL INSPECTOR.
17. UNLESS NOTED OTHERWISE, DO NOT BACKFILL TUNNELS, VAULTS OR PIT WALLS UNTIL TOP SLAB HAS BEEN INSTALLED AND ALL CONCRETE HAS ATTAINED 100% OF DESIGN STRENGTH.

REINFORCING STEEL NOTES:

1. CONFORM WITH ACI 318 AND ACI STANDARD FOR "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."
2. REINFORCING SHALL BE CONTINUOUS AROUND ALL CORNERS UNLESS SHOWN OTHERWISE.
3. SHIFT REINFORCING BARS TO CLEAR ANCHOR BOLTS AND EMBEDDED ITEMS; OBTAIN CONTRACTING OFFICER'S APPROVAL AND ADD EXTRA REINFORCING BAR IF REQUESTED BY CONTRACTING OFFICER. CUTTING OF REINFORCING BARS NOT PERMITTED.
4. REINFORCING SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS UNLESS SHOWN OTHERWISE.
5. TERMINATE ALL REINFORCING STEEL AT EXPANSION JOINTS UNLESS SHOWN OTHERWISE.
6. TACK WELDING TO REINFORCING BARS IS NOT PERMITTED.
7. LAP OR MECHANICALLY CONNECT ALL #11 AND SMALLER BAR SPLICES AND WELD OR MECHANICALLY CONNECT ALL #14 AND LARGER BAR SPLICES UNLESS APPROVED OTHERWISE BY ENGINEER.
8. MINIMUM BAR SPLICE LAP LENGTH SHALL BE AS SHOWN. WHERE LAP LENGTH IS NOT SHOWN ON DRAWINGS, USE MINIMUM LENGTH SHOWN IN THE FOLLOWING TABLE.

REINFORCING BAR MINIMUM SPLICE LAP LENGTH IN INCHES									
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BARS	24	32	40	48	70	80	90	102	113
OTHER BARS	19	25	31	37	54	62	70	78	87

   A. CLASS B SPLICE FOR fy = 60,000 PSI, f'c = 4000 PSI, NORMAL WEIGHT CONCRETE, UNCOATED BARS AND FOLLOWING:
      1. CLEAR SPACING OF BARS ≥ 2 BAR DIA AND COVER ≥ BAR DIA, OR
      2. CLEAR SPACING OF BARS ≥ DIA BAR AND COVER ≥ DIA BAR, AND STIRRUPS OR TIES THROUGHOUT LAP NOT LESS THAN ACI CODE MINIMUM.
   B. TOP BARS ARE DEFINED AS HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
   C. EPOXY COATED REINFORCING STEEL:
      1. USE 1.5 TIMES LAP LENGTH LISTED IN TABLE WHERE COVER IS LESS THAN THREE BAR DIAMETERS OR CENTER TO CENTER SPACING OF BARS IS LESS THAN 7 BAR DIAMETERS.
      2. USE 1.2 TIMES LAP LENGTH LISTED IN TABLE FOR BARS WHERE COVER AND SPACING BOTH EXCEED VALUES LISTED IN ITEM 1).

REINFORCING STEEL NOTES CONT:

9. LOCATE SPLICES WHERE SHOWN. WHERE NO SPLICES ARE SHOWN, TOP REINFORCING IN SLABS AND BEAMS MAY BE SPLICED IN MIDDLE ONE-HALF OF SPAN BETWEEN SUPPORTS AND BOTTOM REINFORCING MAY BE SPLICED OVER OR NEAR SUPPORTS.
10. REINFORCING BAR SPLICES PERMITTED ONLY WHERE SHOWN OR APPROVED BY ENGINEER.
11. FOR SLAB REINFORCING BARS, PLACE BARS SPANNING IN THE SHORT DIRECTION WITH MINIMUM CONCRETE COVER SPECIFIED UNLESS SHOWN OTHERWISE.
12. PROVIDE STANDARD 90 DEGREE HOOKS FOR TOP AND BOTTOM REINFORCING BARS AT DISCONTINUOUS ENDS OF ALL BEAMS UNLESS SHOWN OTHERWISE.
13. EXTEND TOP REINFORCING BARS OF BEAMS INTO ADJACENT SLAB 2'-0" MINIMUM BEYOND FARTHEST EDGE OF INTERSECTED BEAM WHEN BEAM IS DISCONTINUOUS AT INTERSECTING BEAM UNLESS SHOWN OTHERWISE.
14. EXTRA REINFORCING SHALL BE IN ADDITION TO REINFORCING SHOWN OR NOTED.
15. ALL BARS INDICATED AS BEING BENT SHALL HAVE STANDARD 90 DEGREE HOOKS UNLESS SHOWN OTHERWISE. 180 DEGREE HOOKS ARE AN ACCEPTABLE ALTERNATE WHERE APPROVED BY ENGINEER.
16. PROVIDE EXTRA HAIRPIN REINFORCING AROUND ALL ANCHOR BOLTS LARGER THAN 3/4" DIAMETER. EXTEND LEGS OF HAIRPIN THE STANDARD EMBEDMENT LENGTH. SPACE HAIRPINS, ALONG BOLT, 1-1/2" FROM SURFACE AND AT 3" ON CENTER AROUND UPPER 1/3 OF ANCHOR BOLT EMBEDMENT (8" MAXIMUM).

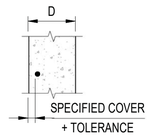
ANCHOR BOLT DIAMETER	HAIRPIN SIZE UNLESS SHOWN OTHERWISE
< 1-1/2"	#3
1 5/8" TO 2" INCL	#4
> 2"	#5

17. PROVIDE TWO EXTRA STIRRUPS SPACED AT ONE-HALF BEAM STIRRUP SPACING, EACH SIDE OF CONSTRUCTION JOINTS THROUGH BEAMS.
18. LOCATE FIRST STIRRUP ONE-HALF STIRRUP SPACE FROM EDGE OF SUPPORT.
19. PROVIDE REINFORCING BAR DOWELS IN FOOTINGS OF THE SAME NUMBER, SPACING AND SIZE AS COLUMN, PIER, OR WALL REINFORCING UNLESS SHOWN OTHERWISE.
20. ALL BARS SHALL BE SECURELY PLACED IN FINAL POSITION PRIOR TO PLACING CONCRETE. PLACING BARS INTO WET CONCRETE IS PROHIBITED.
21. MINIMUM CONCRETE PROTECTION (COVER) FOR REINFORCEMENT SHALL BE PROVIDED IN CONFORMANCE WITH ACI 318, SECTION 20 AS AMENDED BY UFC 3-301-01, 01 OCTOBER 2019, INCLUDING THE FOLLOWING:
   A. ENVIRONMENTAL SEVERITY CLASSIFICATION (ESC) IS C5.
   B. CAST-IN-PLACE CONCRETE (NON-PRESTRESSED)

	MINIMUM CLEAR COVER, INCHES
• CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3"
• CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	4"
• CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS JOISTS: #11 &SMALLER	3/4"
• BEAMS, COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2"

NOTE:
CONCRETE WITH A MINIMUM OF TWO COATS OF EXTERIOR GRADE PAINT IS NOT CONSIDERED EXPOSED TO WEATHER WHERE PROPERLY MAINTAINED.

22. CONCRETE REINFORCEMENT SHALL BE PLACED WITHIN FOLLOWING TOLERANCE RELATIVE TO FORMED OR UNFORMED CONCRETE SURFACE:



SPECIFIED COVER	TOLERANCE	
	D ≤ 12"	D > 12"
3/4"	-1/8", +1/4"	-1/8", +3/8"
1"	+/-1/4"	-1/4", +3/8"
1 1/2" OR GREATER	+/-3/8"	-3/8", +1/2"

NOTE:
TOLERANCES APPLY ONLY AT LOCAL ANOMALIES. SIZE CHAIRS AND SPACERS FOR SPECIFIED COVER.

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL NOTES	4/27/26	

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LICENSED PROFESSIONAL ENGINEER
DANIEL R. DREYER
16295
2026.04.27 10:49:57-05'00'
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ASMD LLC
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APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026
ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	JKW
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYQ

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JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

STRUCTURAL NOTES AND LEGEND - SHEET 1

SCALE:	NTS
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321836
SHEET	55 OF 468

S-001

DRAWFORM REVISION: 25 AUGUST 2020

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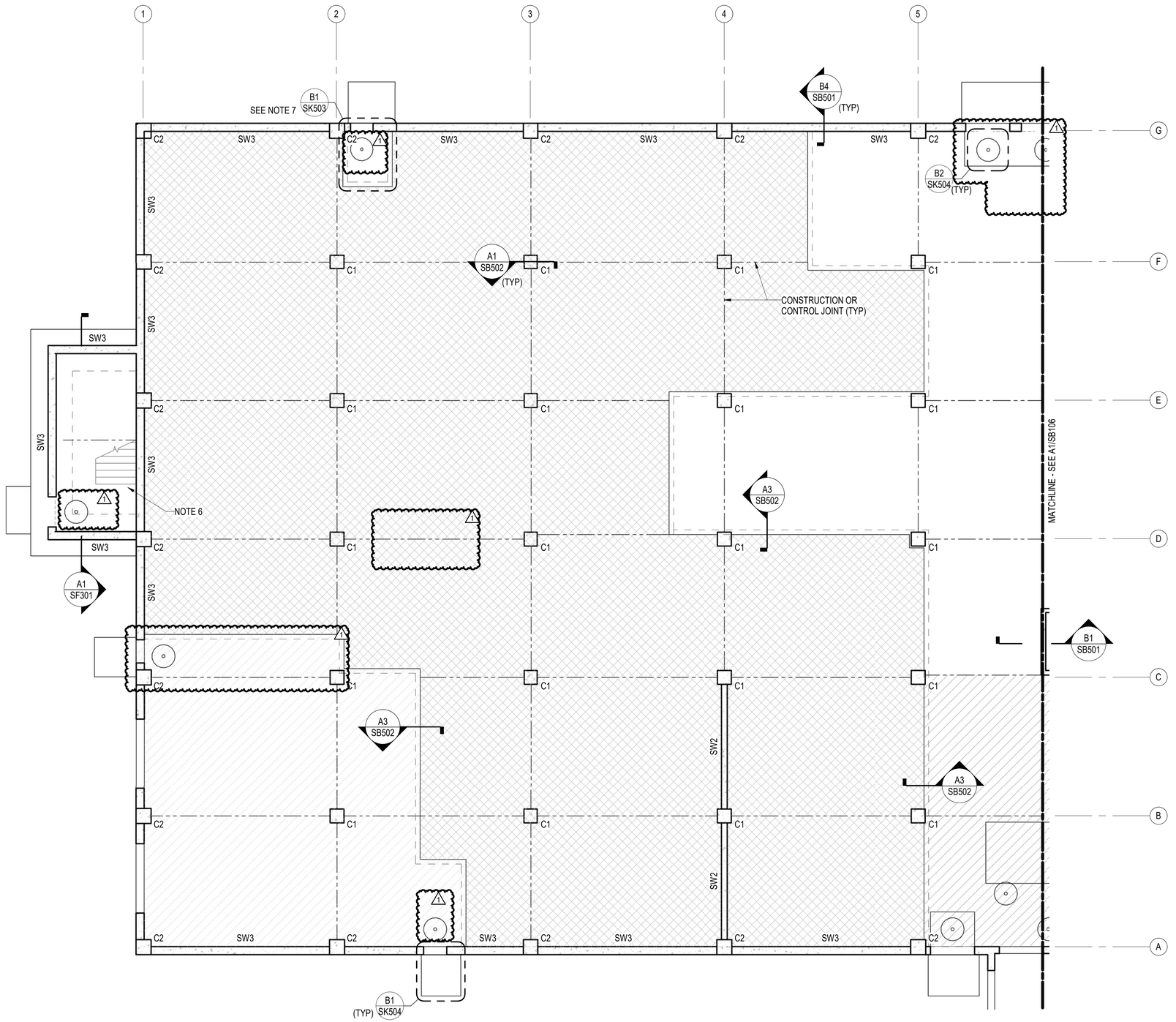


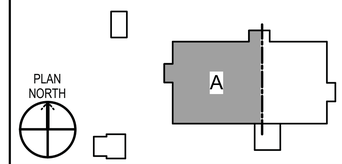
A1 SLAB PLAN - AREA 'A' (EL. 0'-0", UNO)

1/8" = 1'-0"

GENERAL NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. ALL SLABS TYPE S1 UNLESS INDICATED OTHERWISE.
3. SLAB TYPE S1:
   6" THICK W/ #5@12, EW, TOP.
   LL = 100 PSF.
   TOC EL: 0' - 0"
4. SLAB TYPE S2:
   8" THICK W/ #4@12, EW, TOP AND BOTTOM.
   LL = 150 PSF.
   INDICATED BY:
   TOC EL: 0' - 0"
5. SLAB TYPE S2:
   8" THICK W/ #4@12, EW, TOP AND BOTTOM.
   LL = 150 PSF.
   INDICATED BY:
   TOC EL: -2' - 0"
6. 1'-0" THICK BY 2'-0" WIDE THICKENED SLAB W/ #5@12, EW, TOP AND BOTTOM CENTERED ON FIRST STAIR TREAD.
7. DEPTH OF SLAB DEPRESSION TO SUIT ENTRY MAT PROVIDED

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

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DANIEL R. DREYER
16295
2026.04.27 10:50:39-05'00'
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A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

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JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
SLAB PLAN - AREA 'A' (EL. 0'-0", UNO)

SCALE: 1/8" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321851
SHEET 70 OF 468

SB105

DRAWFORM REVISION: 25 AUGUST 2020

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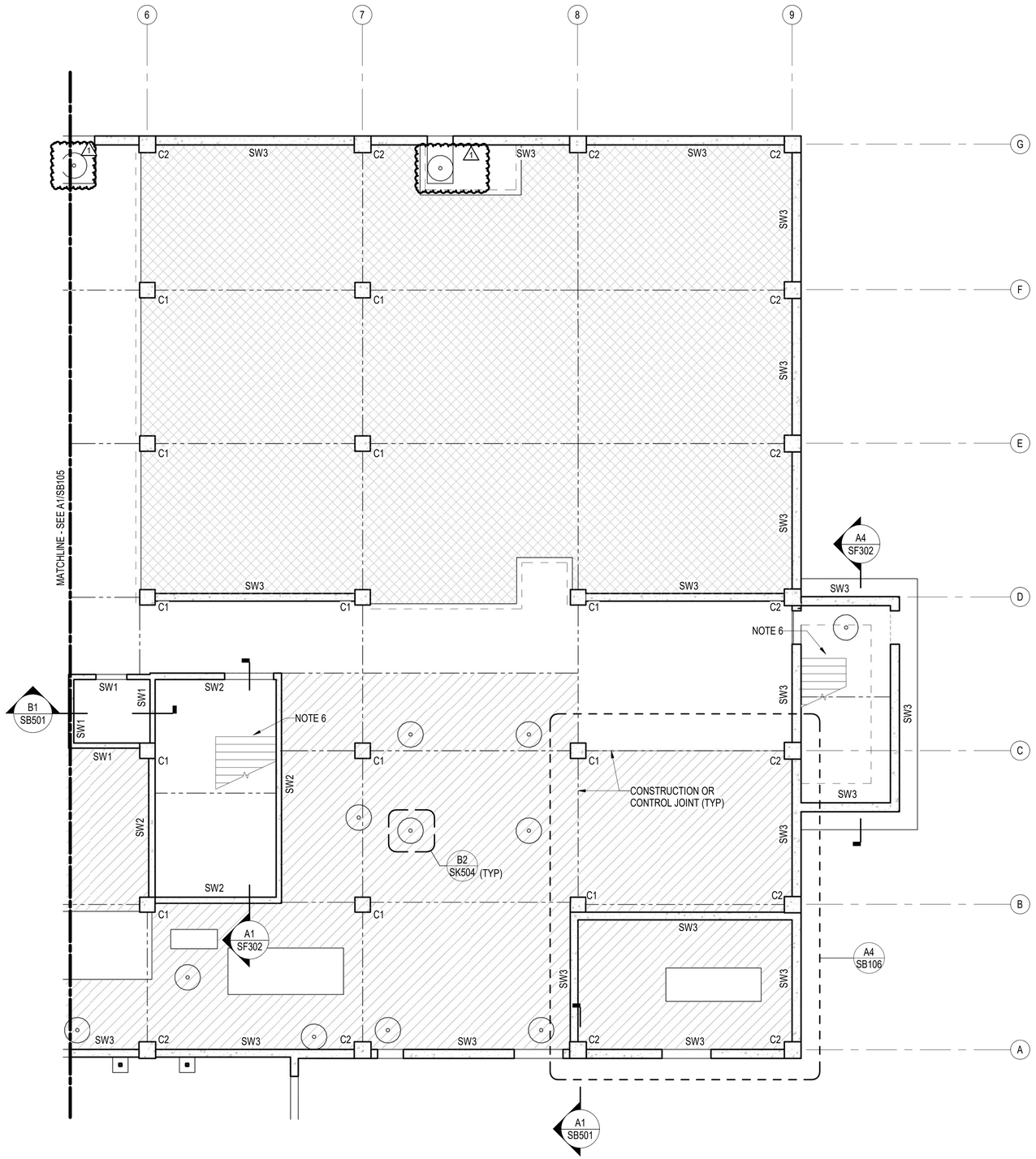
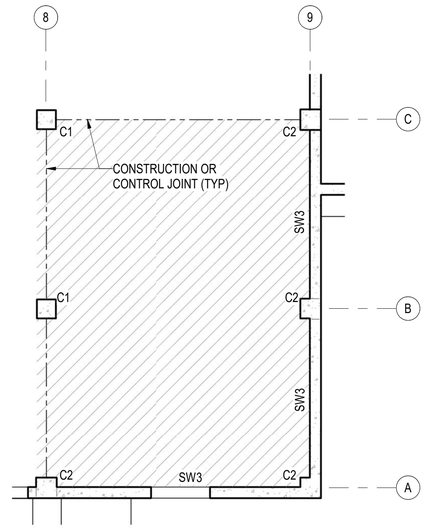


A1 SLAB PLAN - AREA 'B' (EL. 0'-0", UNO)

1/8" = 1'-0"



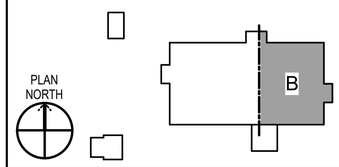
(SB106) A4 BID OPTION ITEM #2

1/8" = 1'-0"

GENERAL NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. ALL SLABS TYPE S1 UNLESS INDICATED OTHERWISE.
3. SLAB TYPE S1:
   6" THICK W/ #5@12, EW, TOP.
   LL = 100 PSF.
   TOC EL: 0'-0"
4. SLAB TYPE S2:
   8" THICK W/ #4@12, EW, TOP AND BOTTOM.
   LL = 150 PSF.
   INDICATED BY: ▨
   TOC EL: 0'-0", UNO
5. SLAB TYPE S2:
   8" THICK W/ #4@12, EW, TOP AND BOTTOM.
   LL = 150 PSF.
   INDICATED BY: ▨
   TOC EL: -2'-0", UNO
6. 1'-0" THICK BY 2'-0" WIDE THICKENED SLAB W/ #5@12, EW, TOP AND BOTTOM CENTERED ON FIRST STAIR TREAD.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

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JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

SLAB PLAN - AREA 'B' (EL. 0'-0", UNO)

SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321852
SHEET	71 OF 468

SB106

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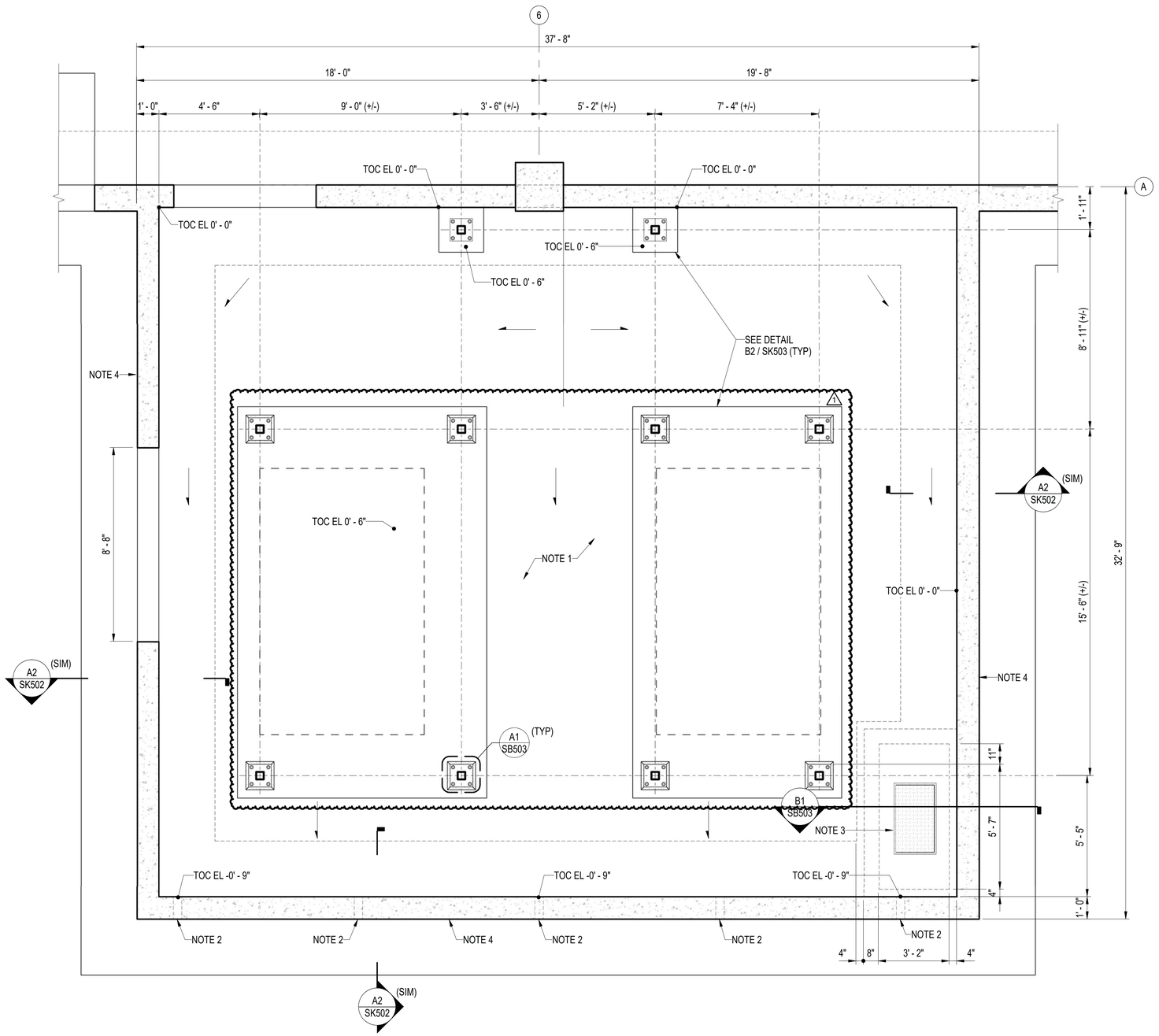

(SB101) A1 MECHANICAL ENCLOSURE FOUNDATION / SLAB PLAN

3/8" = 1'-0"

GENERAL NOTES

1. 8" SLAB W/ #5 @12 EW, TOP AND BOT. PROVIDE UNIFORM SLOPE FROM TOC SLAB ELEVATIONS SHOWN TO LOW POINT AT DRAIN THROUGH WALL.
2. 4" DIA PVC PIPE. DRAIN TO GRADE ON OUTSIDE OF WALL.
3. WATER METER VAULT COVER CENTERED ON VAULT BELOW. SEE CIVIL UTILITY DRAWINGS FOR DETAILS.
4. 12" THICK WALL W/ #5@12 EW, EF. SEE ARCHITECTURAL SHEETS FOR SIZE AND LOCATION OF GATE AND LOUVER OPENINGS.
5. ALL DIMENSIONS MARKED (+/-) MUST BE VARIED TO SUIT EQUIPMENT FURNISHED. SEE SHEET SF401.
6. PROVIDE 6" MIN DISTANCE BETWEEN COLUMN BASEPLATE EDGES AND EDGE OF SUPPORTING PAD UNLESS SHOWN OTHERWISE.

GRAPHIC SCALE(S)

3/8" = 1' - 0" 0 1' 2' 3' 4' 5' 10'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

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A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PMDM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

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NAVFAC PACIFIC
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

MECHANICAL ENCLOSURE FOUNDATION / SLAB PLAN

SCALE: 3/8" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321853
SHEET 72 OF 468

SB401

DRAWFORM REVISION: 25 AUGUST 2020

SB401
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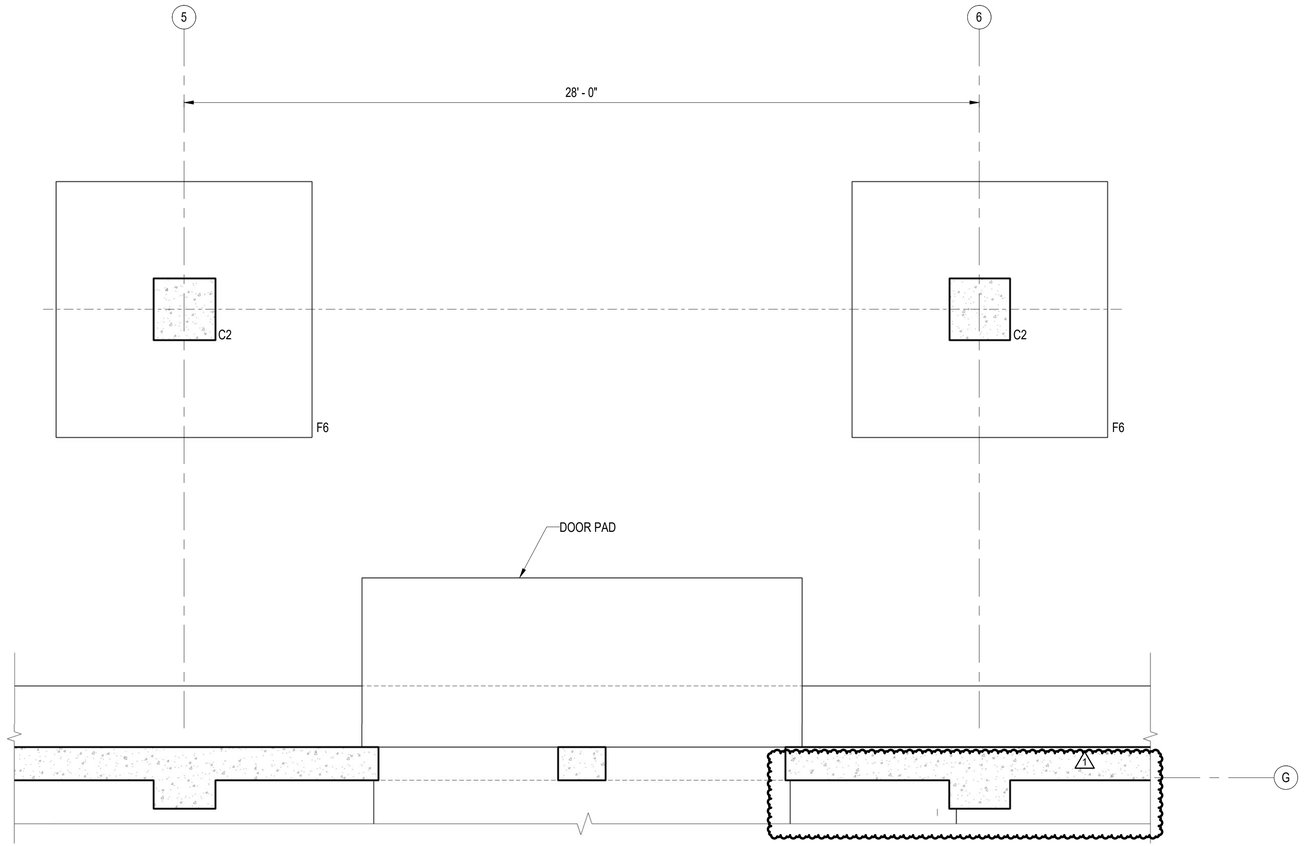

(SB101) **A1** **CANOPY FOUNDATION / SLAB PLAN**

3/8" = 1'-0"

GRAPHIC SCALE(S)

3/8" = 1' - 0" 0 1' 2' 3' 4' 5' 10'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
DANIEL R. DREYER
16295
2026.04.27 10:51:46-05'00'
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
CANOPY FOUNDATION / SLAB PLAN

SCALE:	3/8" = 1'-0"
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321854
SHEET	73 OF 468

SB402

DRAWFORM REVISION: 25 AUGUST 2020

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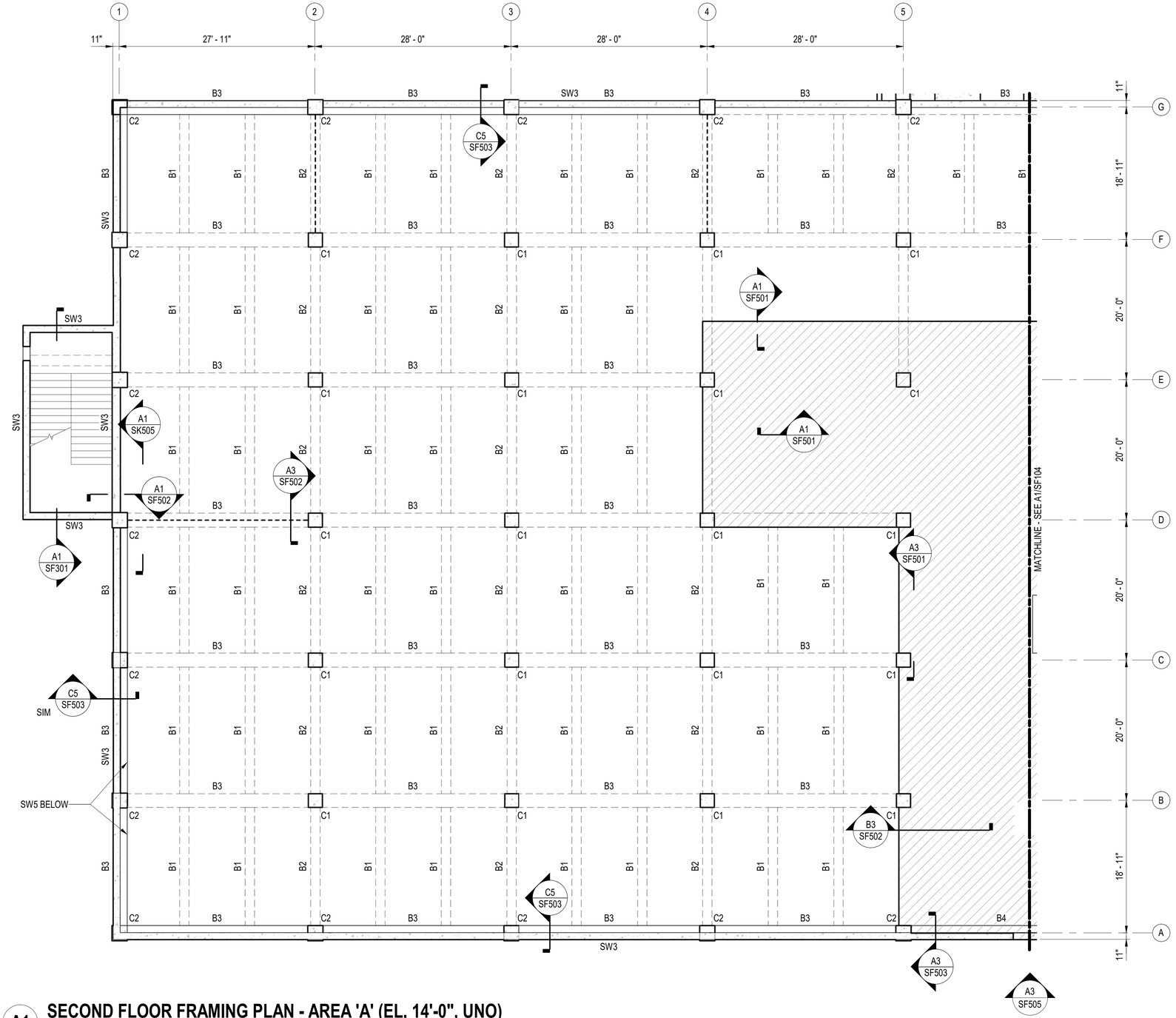
SB402



A1 SECOND FLOOR FRAMING PLAN - AREA 'A' (EL. 14'-0", UNO)

1/8" = 1'-0"

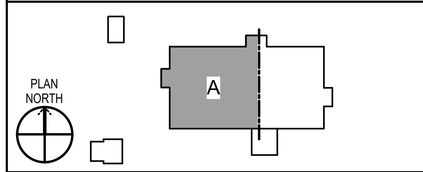
GENERAL NOTES

1. SEE SHEET SJ601 FOR BEAM, COLUMN AND SHEAR WALL SCHEDULES.
2. ALL SLABS TYPE S1 UNLESS NOTED OTHERWISE.
3. SLAB TYPE S1: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12, TOP AND BOT SECONDARY BARS.
4. SLAB TYPE S2: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12 TOP AND BOT SECONDARY BARS. CONSTRUCT SLABS AT TOC EL 14'-0 AND TOC EL 16'-0" IN THE AREAS INDICATED THUS:

   FORM VOID BETWEEN SLAB AT EL 14'-0" AND FLOOR BEAMS AND SLAB AT EL 16'-0" WITH STAY-IN-PLACE METAL FORMS OR REMOVABLE FORMS.

   SHORE SLAB AT EL 14'-0" UNTIL FLOOR BEAMS AND SLAB AT EL 16'-0" HAVE BEEN CONSTRUCTED AND REACHED SPECIFIED COMPRESSIVE STRENGTH.
5. SLAB TYPE S3: 7" THICK W/ #5@12 TOP AND BOT PRIMARY BARS AND #5@12 TOP AND BOT SECONDARY BARS AT TOC EL 14'-0", CONSTRUCT ADDITIONAL SLAB CONSISTING OF COMPOSITE DECK WITH 2" NORMAL WEIGHT CONCRETE TOPPING (5" TOTAL DEPTH). REINFORCE WITH 6x6 - W1.4xW1.4 CENTERED IN TOPPING AT TOC EL 16'-0" IN AREAS INDICATED THUS:
6. COMPOSITE DECK SHALL BE AS FOLLOWS:
   A. 3" DEEP X 22 GAGE:
      (1) SECTION MODULUS S_P = 0.387 IN^3 / FT; S_N = 0.410 IN^3 / FT
      (2) MOMENT OF INERTIA I_P = 0.710 IN^4 / FT; I_N = 0.715 IN^4 / FT
   B. DECKING AND ALL ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS HAVING A MINIMUM YIELD STRENGTH OF 33 KSI AND CONFORMING TO ASTM A653-SS GR33.
   C. MINIMUM FINISH IS GALVANIZED COATING CONFORMING TO ASTM A653 G60.
7. PRIMARY SLAB BARS SHALL BE PLACED WITH THE LEAST COVER TO THE SLAB TOP AND BOTTOM FACE, AND PARALLEL TO THE SHORTEST SLAB SPAN DIRECTION. SECONDARY SLAB BARS SHALL BE BELOW PRIMARY TOP BARS AND ABOVE PRIMARY BOTTOM BARS.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
DANIEL R. DREYER
16295
2026.04.27 10:52:14-05'00'
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA - HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
SECOND FLOOR FRAMING PLAN - AREA 'A' (EL. 14'-0", UNO)

SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321860
SHEET	79 OF 468

SF102

DRAWFORM REVISION: 25 AUGUST 2020

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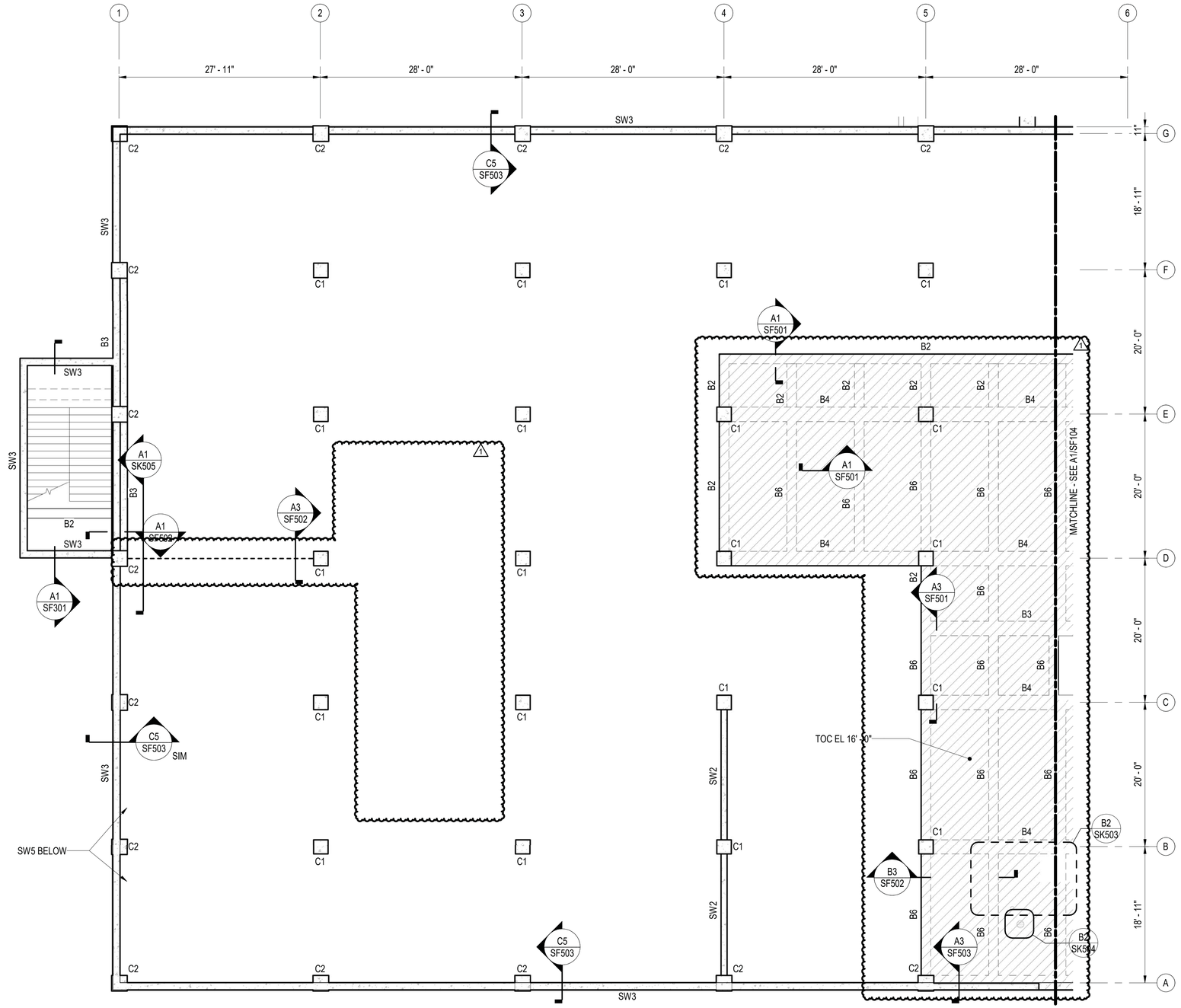

A1 SECOND FLOOR FRAMING PLAN - AREA 'A' (EL. 16'-0", UNO)

1/8" = 1'-0"

GENERAL NOTES

1. SEE SHEET SJ601 FOR BEAM, COLUMN AND SHEAR WALL SCHEDULES.
2. ALL SLABS TYPE S1 UNLESS NOTED OTHERWISE.
3. SLAB TYPE S1: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12, TOP AND BOT SECONDARY BARS.
4. SLAB TYPE S2: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12 TOP AND BOT SECONDARY BARS. CONSTRUCT SLABS AT TOC EL 14'-0 AND TOC EL 16'-0" IN THE AREAS INDICATED THUS:

   FORM VOID BETWEEN SLAB AT EL 14'-0" AND FLOOR BEAMS AND SLAB AT EL 16'-0" WITH STAY-IN-PLACE METAL FORMS OR REMOVABLE FORMS.

   SHORE SLAB AT EL 14'-0" UNTIL FLOOR BEAMS AND SLAB AT EL 16'-0" HAVE BEEN CONSTRUCTED AND REACHED SPECIFIED COMPRESSIVE STRENGTH.
5. SLAB TYPE S3: 7" THICK W/ #5@12 TOP AND BOT PRIMARY BARS AND #5@12 TOP AND BOT SECONDARY BARS AT TOC EL 14'-0", CONSTRUCT ADDITIONAL SLAB CONSISTING OF COMPOSITE DECK WITH 2" NORMAL WEIGHT CONCRETE TOPPING (5" TOTAL DEPTH). REINFORCE WITH 6x6 - W1.4xW1.4 CENTERED IN TOPPING AT TOC EL 16'-0" IN AREAS INDICATED THUS:
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      (1) SECTION MODULUS S_P = 0.387 IN^3 / FT; S_N = 0.410 IN^3 / FT
      (2) MOMENT OF INERTIA I_P = 0.710 IN^4 / FT; I_N = 0.715 IN^4 / FT
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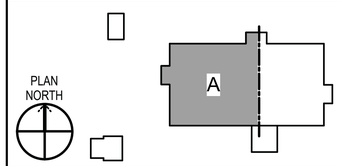
KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
DANIEL R. DREYER
16295
2026.04.27 10:52:40-05'00'
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
SECOND FLOOR FRAMING PLAN - AREA 'A' (EL. 16'-0", UNO)

SCALE: 1/8" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17321861
SHEET 80 OF 468

SF103

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 5:22:25 PM SF103
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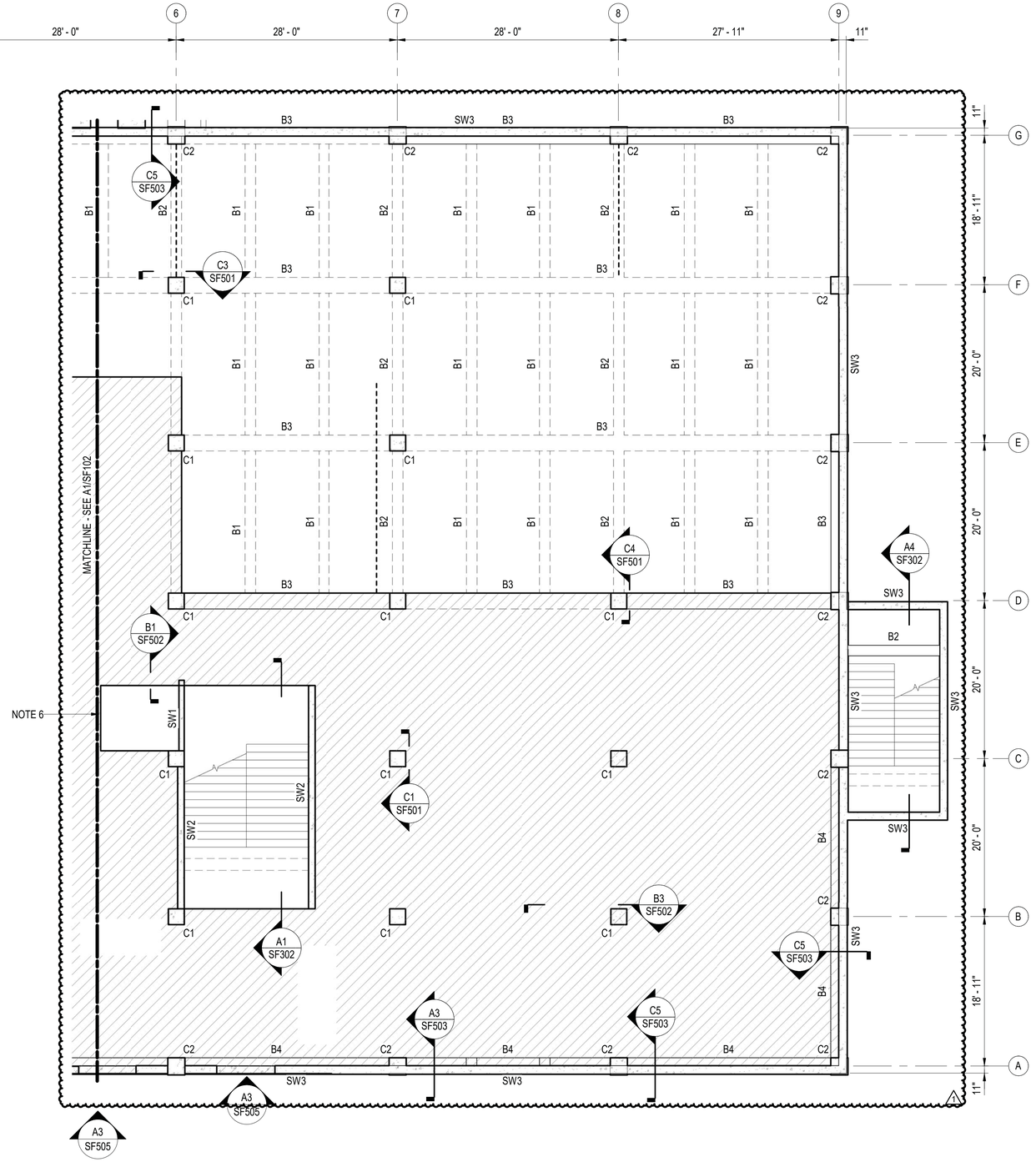

A1 SECOND FLOOR FRAMING PLAN - AREA 'B' (EL. 14'-0", UNO)

1/8" = 1'-0"

GENERAL NOTES

1. SEE SHEET SJ601 FOR BEAM, COLUMN AND SHEAR WALL SCHEDULES.
2. ALL SLABS TYPE S1 UNLESS NOTED OTHERWISE.
3. SLAB TYPE S1: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12, TOP AND BOT SECONDARY BARS.
4. SLAB TYPE S2: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12 TOP AND BOT SECONDARY BARS. CONSTRUCT SLABS AT TOC EL 14'-0 AND TOC EL 16'-0" IN THE AREAS INDICATED THUS:

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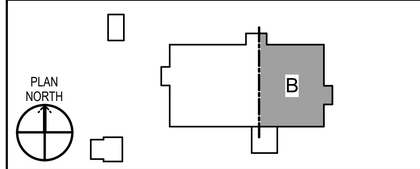
   SHORE SLAB AT EL 14'-0" UNTIL FLOOR BEAMS AND SLAB AT EL 16'-0" HAVE BEEN CONSTRUCTED AND REACHED SPECIFIED COMPRESSIVE STRENGTH.
5. PRIMARY SLAB BARS SHALL BE PLACED WITH THE LEAST COVER TO THE SLAB TOP AND BOTTOM FACE, AND PARALLEL TO THE SHORTEST SLAB SPAN DIRECTION. SECONDARY SLAB BARS SHALL BE BELOW PRIMARY TOP BARS AND ABOVE PRIMARY BOTTOM BARS.
6. W10X19 SPREADER BEAM. NUMBER AND LOCATIONS PER ELEVATOR MANUFACTURER REQUIREMENTS.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
DANIEL R. DREYER
16295
2026.04.27 10:53:03-05'00'
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PMDM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

SECOND FLOOR FRAMING PLAN - AREA 'B' (EL. 14'-0", UNO)

SCALE: 1/8" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321862
SHEET 81 OF 468

SF104

DRAWFORM REVISION: 25 AUGUST 2020

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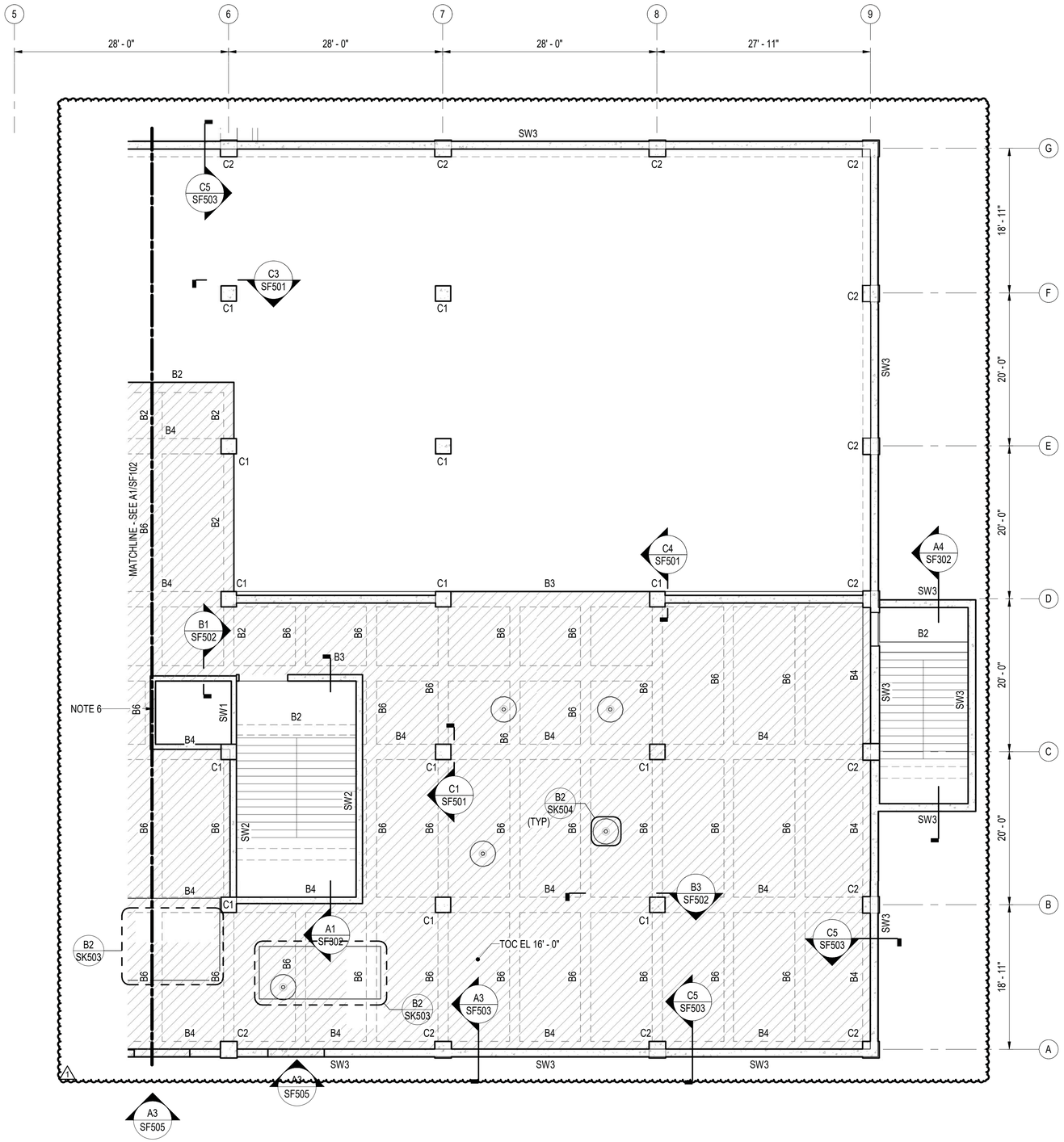
SF104



A1 SECOND FLOOR FRAMING PLAN - AREA 'B' (EL. 16'-0", UNO)

1/8" = 1'-0"

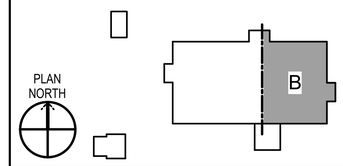
GENERAL NOTES

1. SEE SHEET SJ601 FOR BEAM, COLUMN AND SHEAR WALL SCHEDULES.
2. ALL SLABS TYPE S1 UNLESS NOTED OTHERWISE.
3. SLAB TYPE S1: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12, TOP AND BOT SECONDARY BARS.
4. SLAB TYPE S2: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12 TOP AND BOT SECONDARY BARS. CONSTRUCT SLABS AT TOC EL 14'-0 AND TOC EL 16'-0" IN THE AREAS INDICATED THUS:

   FORM VOID BETWEEN SLAB AT EL 14'-0" AND FLOOR BEAMS AND SLAB AT EL 16'-0" WITH STAY-IN-PLACE METAL FORMS OR REMOVABLE FORMS.

   SHORE SLAB AT EL 14'-0" UNTIL FLOOR BEAMS AND SLAB AT EL 16'-0" HAVE BEEN CONSTRUCTED AND REACHED SPECIFIED COMPRESSIVE STRENGTH.
5. PRIMARY SLAB BARS SHALL BE PLACED WITH THE LEAST COVER TO THE SLAB TOP AND BOTTOM FACE, AND PARALLEL TO THE SHORTEST SLAB SPAN DIRECTION. SECONDARY SLAB BARS SHALL BE BELOW PRIMARY TOP BARS AND ABOVE PRIMARY BOTTOM BARS.
6. W10X19 SPREADER BEAM. NUMBER AND LOCATIONS PER ELEVATOR MANUFACTURER REQUIREMENTS.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
DANIEL R. DREYER
16295
2025.04.27 10:53:24-05'00'
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
NAVFAC PACIFIC
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

SECOND FLOOR FRAMING PLAN - AREA 'B' (EL. 16'-0", UNO)

SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321863
SHEET	82 OF 468

SF105

DRAWFORM REVISION: 25 AUGUST 2020

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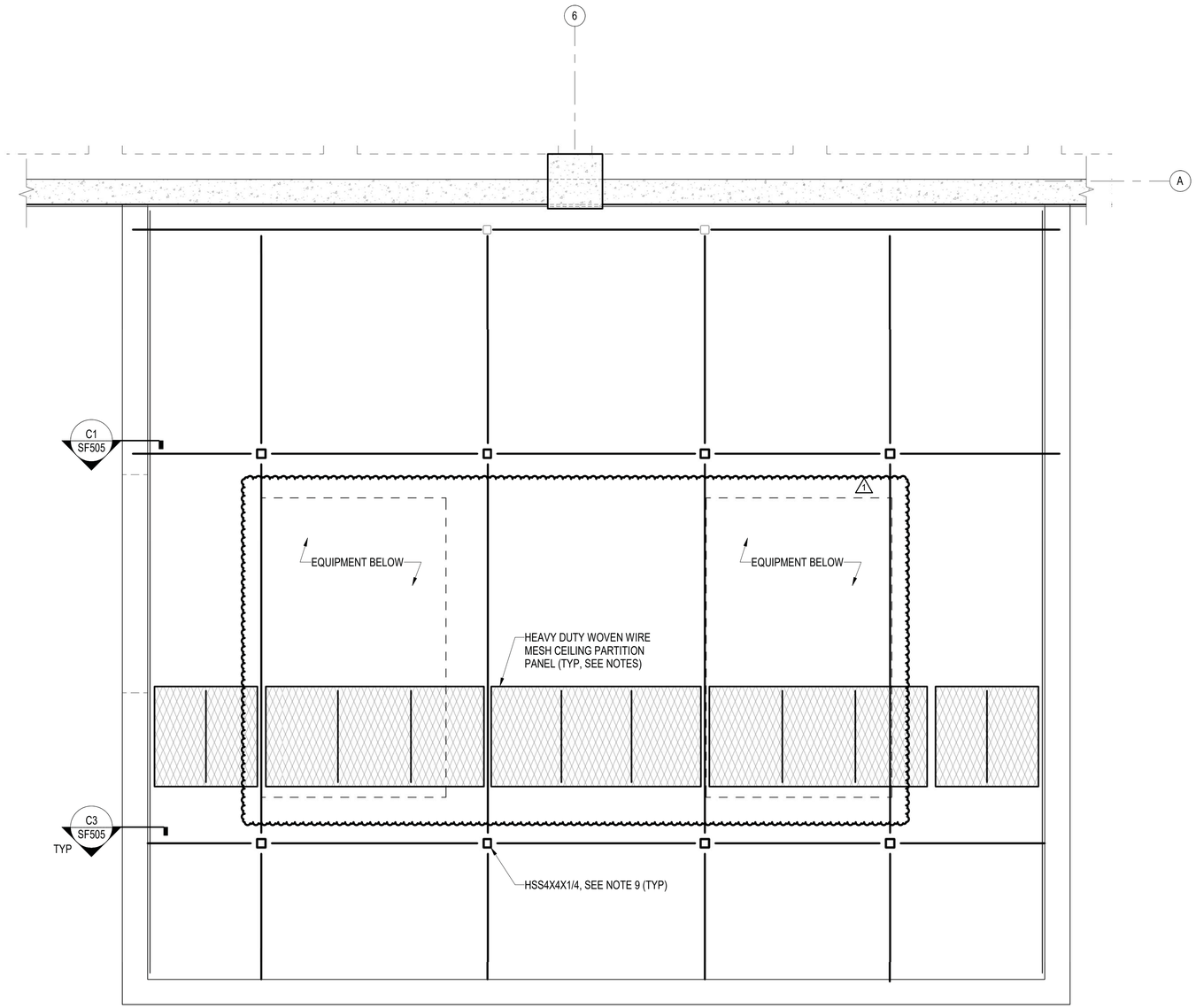
SF105



(SF101) **A1** **MECHANICAL ENCLOSURE FRAMING PLAN**

3/8" = 1'-0"

GENERAL NOTES

1. UNFACTORED DESIGN LIVE LOADS:
   A. UNIFORM LOAD: 20 PSF
   B. CONCENTRATED LOAD: 250 LBS. ANYWHERE ON ONE PANEL
2. PROVIDE HEAVY-DUTY WOVEN WIRE MESH CEILING PANELS COVERING THE ENTIRE INTERIOR FOOTPRINT OF THE MECHANICAL ENCLOSURE. PANELS MUST BE REMOVABLE TO PERMIT EQUIPMENT MAINTENANCE.
3. FABRICATE PANELS IN APPRAOXIMATE LENGTHS SHOWN, PROVIDING 2" MAX CLEARANCE BETWEEN ADJACENT PANEL ENDS OR WALLS.
4. FABRICATE PANELS IN 4'-0" MAXIMUM WIDTHS, PROVIDING 2" MAX CLEARANCE BETWEEN ADJACENT PANEL SIDES OR WALLS.
5. PANEL COMPONENTS:
   A. WIRE: NO. 6 GAUGE (0.192")
   B. MESH: 2" DIAMOND
   C. FRAME: 1 1/2" X 3/4" HOT ROLLED CHANNEL (ALL SIDES)
   D. CAPPING CHANNEL: C3X4.1 (ALL SIDES)
   E. PANEL STIFFENERS: 5/16"X2 1/2" FLAT BARS, SPACED AS RECOMMENDED BY PANEL MFR.
6. PANEL FABRICATION:
   A. SECURELY CLINCH WIRE MESH TO FRAME.
   B. SECURELY ATTACH FRAMES TO CAPPING CHANNELS WITH 5/16" U- BOLTS SPACED AS RECOMMENDED BY PANEL MFR.
   C. SECURELY FASTEN EACH PANEL TO SUPPORTING STEEL AT EACH CORNER AND AT 1'-6" O.C. IN BETWEEN.
7. FINISHES:
   A. PANEL COMPONENTS: ELECTRO GALVANIZED AND POWDER COATED WITH MFR STANDARD COLOR SELECTED BY CONTRACTING OFFICER.
   B. HARDWARE AND FASTENERS: STAINLESS STEEL.
   C. STRUCTURAL STEEL: GALVANIZED AND PAINTED.
8. ALL DIMENSIONS MARKED (+/-) MUST BE VARIED TO SUIT EQUIPMENT FURNISHED. PROVIDE 4" (MIN) AND 6" (MAX) HORIZONTAL CLEARANCE BETWEEN FRAMING AND EQUIPMENT EDGES.
9. SEE SHEAR CONNECTION SCHEDULE ON SHEET SF505.

GRAPHIC SCALE(S)

3/8" = 1' - 0" 0 1' 2' 3' 4' 5' 10'

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1	REVISED STRUCTURAL PLANS	4/27/26	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
DANIEL R. DREYER
16295
2026.04.27 10:53:43-05'00'
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
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ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
MECHANICAL ENCLOSURE FRAMING PLAN

SCALE: 3/8" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321869
SHEET 88 OF 468

SF401

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 5:22:34 PM SF401
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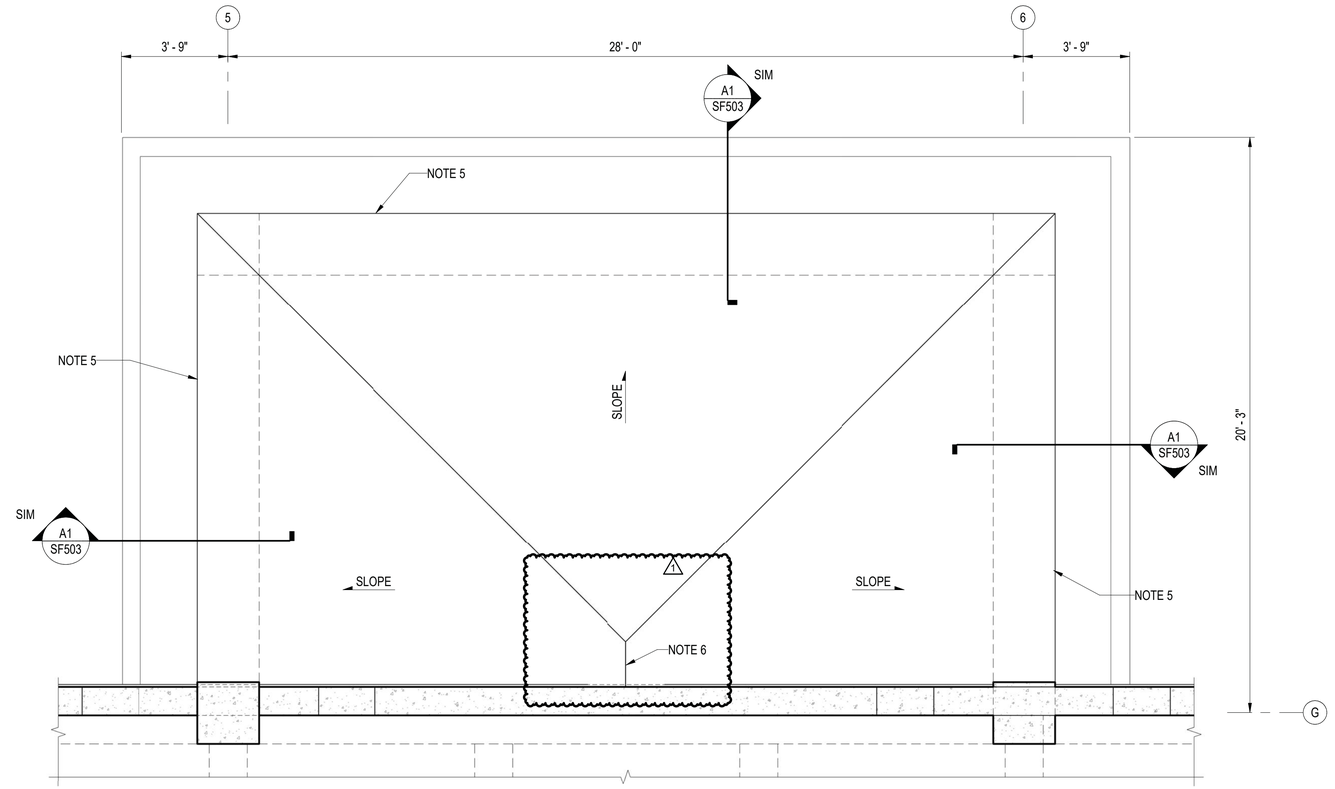

(SF101) **A1** **CANOPY ROOF FRAMING PLAN**

3/8" = 1'-0"

GENERAL NOTES

1. SEE SHEET SJ601 FOR BEAM SCHEDULE.
2. ALL SLABS TYPE S1 UNLESS NOTED OTHERWISE.
3. SLAB TYPE S1: 7" THICK W/ #5@12, TOP AND BOT PRIMARY BARS AND #5@12, TOP AND BOT SECONDARY BARS.
4. PRIMARY SLAB BARS SHALL BE PLACED WITH THE LEAST COVER TO THE SLAB TOP AND BOTTOM FACE, AND PARALLEL TO THE SHORTEST SLAB SPAN DIRECTION. SECONDARY SLAB BARS SHALL BE BELOW PRIMARY TOP BARS AND ABOVE PRIMARY BOTTOM BARS.
5. TOC EL 14'-0" AT SLAB EDGES, UNLESS NOTED OTHERWISE.
6. TOC EL 14'-7 9/16" AT RIDGE.
7. TOC EL SLOPES 1/2":12" FROM RIDGE TO LOW EDGES. SLOPE THE BOTTOM OF SLABS AND BEAMS TO MATCH.
8. VARY THICKNESS OR GUTTER SLAB TO PROVIDE 1/2":12" MINIMUM SLOPE TO DOWNSPOUTS. SEE ARCHITECTURAL DRAWINGS FOR DOWNSPOUT LOCTAIONS.

GRAPHIC SCALE(S)

3/8" = 1' - 0" 0 1' 2' 3' 4' 5' 10'

SYM	DESCRIPTION	DATE	APPR
1	REVISED STRUCTURAL PLANS	4/27/26	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
DANIEL R. DREYER
16295
2026.04.27 10:54:16-05'00'
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRD	DRW	JMK	CHK	TGD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

CANOPY ROOF FRAMING PLAN

SCALE: 3/8" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17321870
SHEET 89 OF 468

SF402

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 5:22:36 PM SF402
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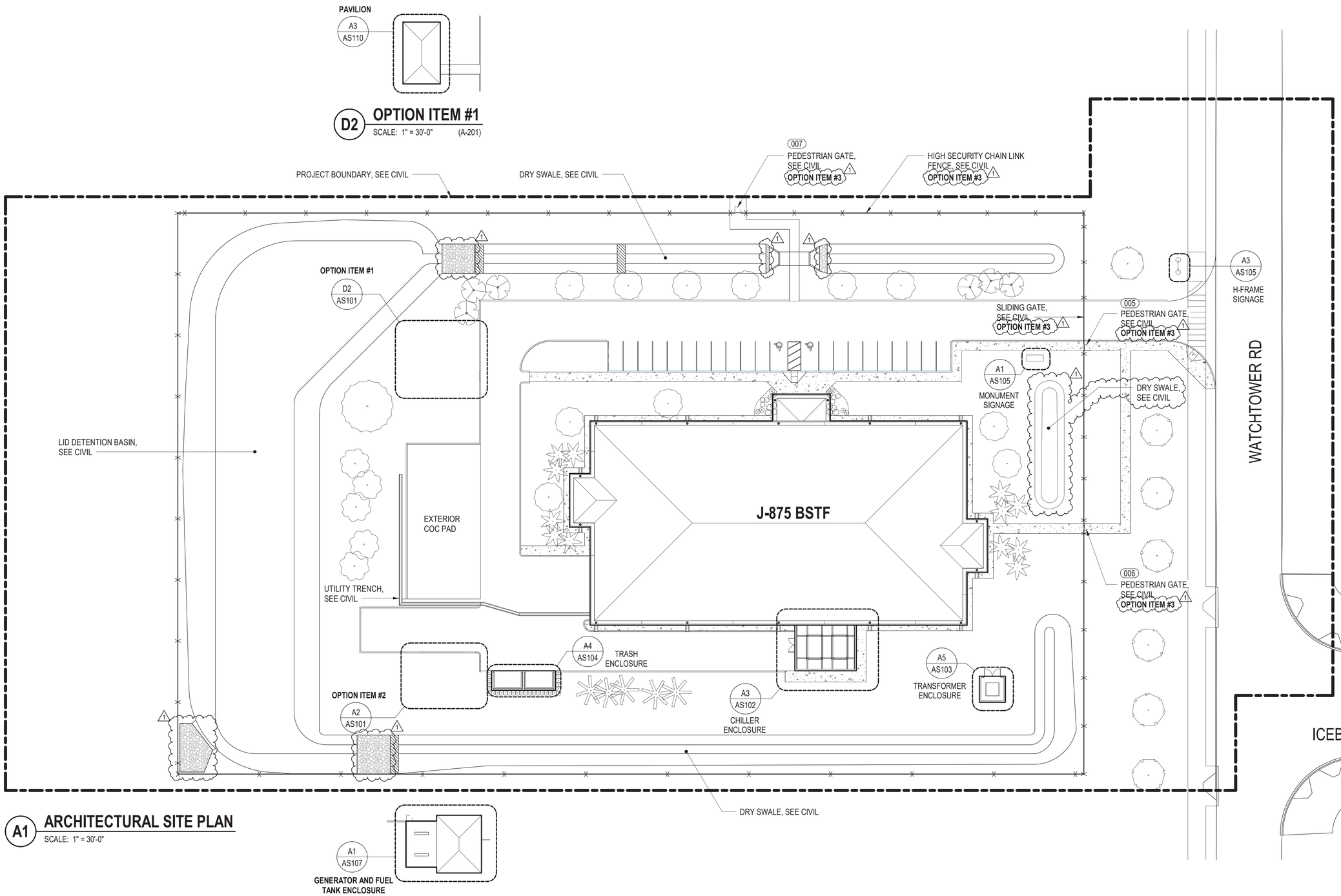

SYM	DESCRIPTION	DATE	APPR
1	ADDED OPTION ITEM #3 AND DRY SWALE	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ARCHITECTURAL SITE PLAN AND OPTION ITEMS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321901
SHEET 105 OF 468

AS101

DRAWFORM REVISION: 25 AUGUST 2020

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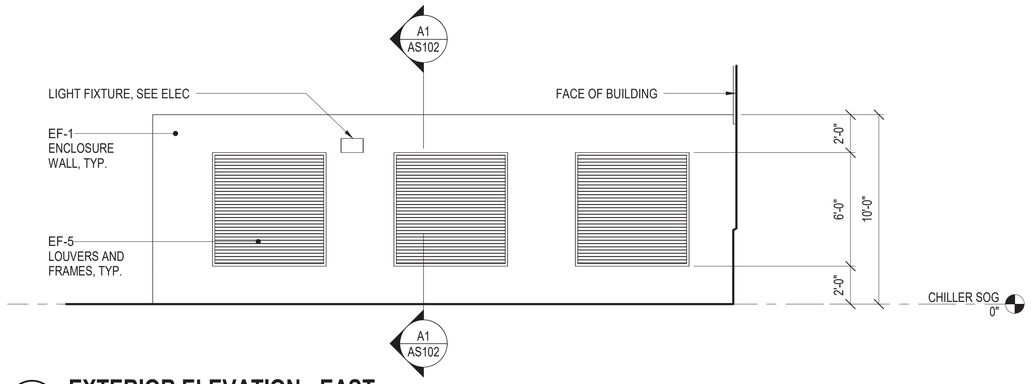
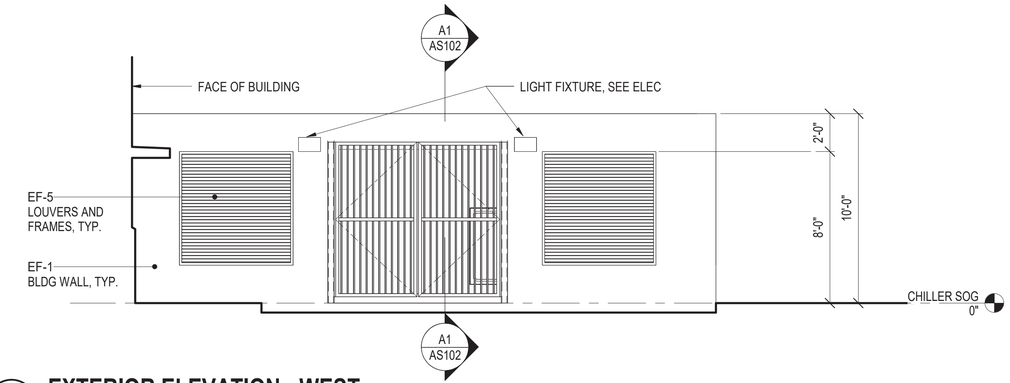


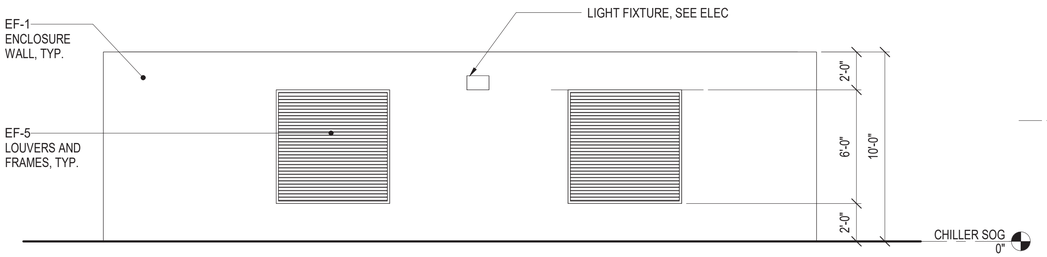
D1 EXTERIOR ELEVATION - EAST

SCALE: 1/4" = 1'-0" (A-103)



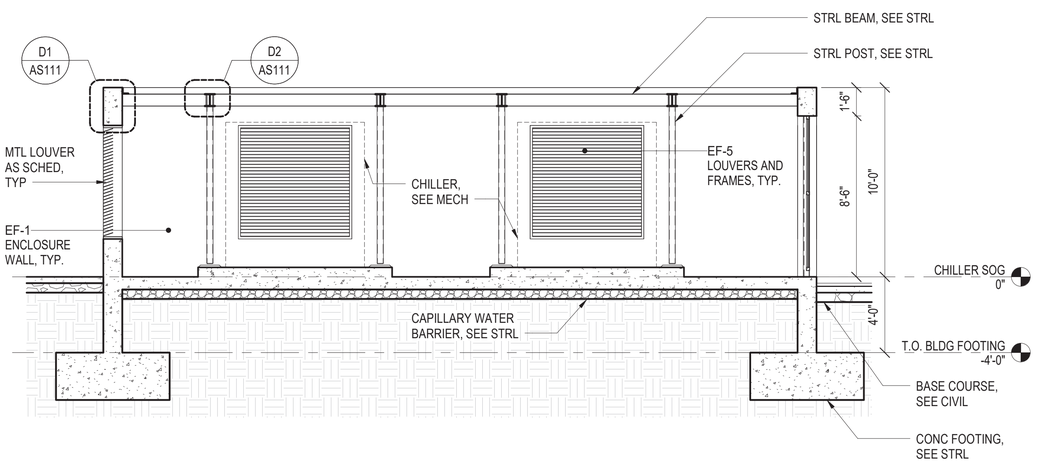
D3 EXTERIOR ELEVATION - WEST

SCALE: 1/4" = 1'-0" (A-102)



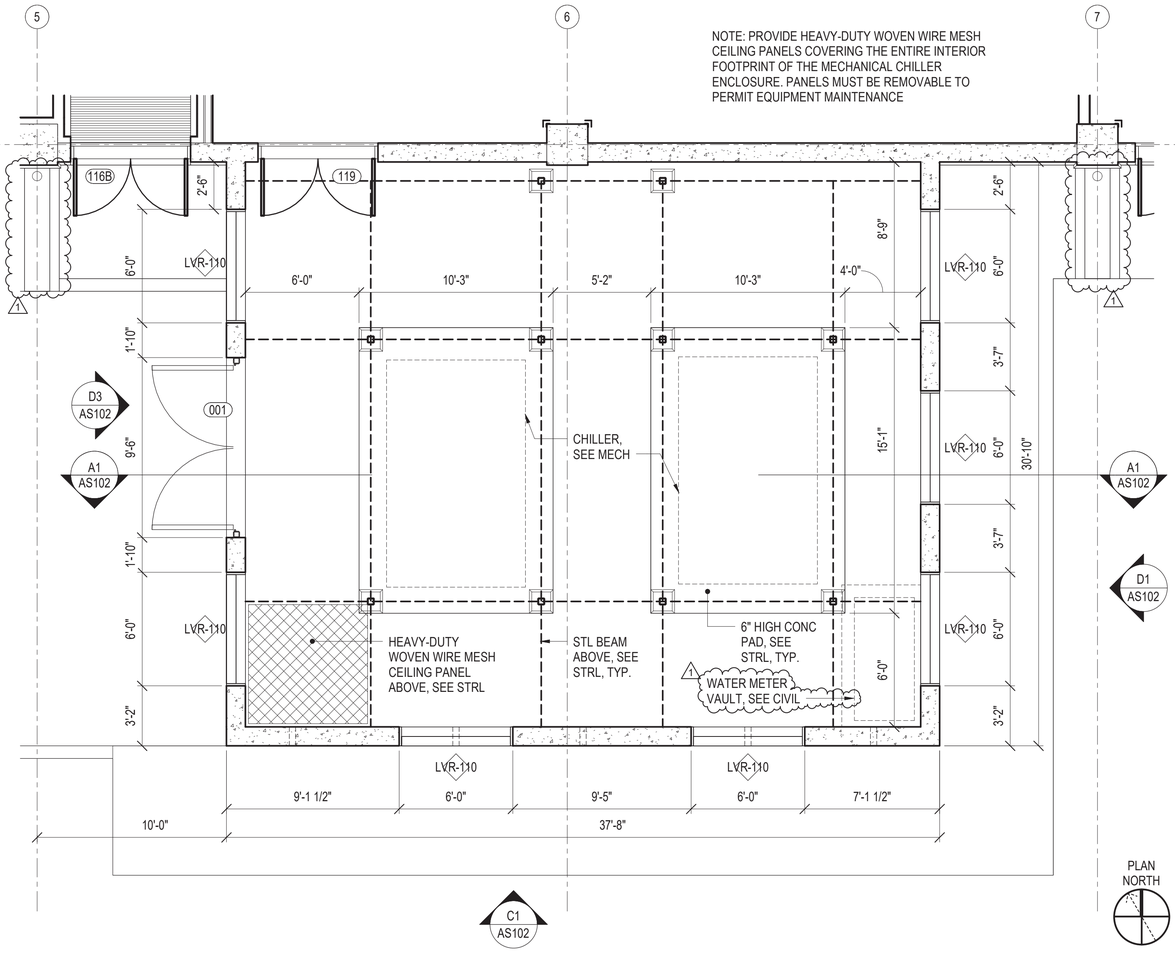
C1 EXTERIOR ELEVATION - SOUTH

SCALE: 1/4" = 1'-0" (AS102)



A1 SECTION

SCALE: 1/4" = 1'-0" (AS102)



A3 CHILLER ENCLOSURE FLOOR PLAN

SCALE: 1/4" = 1'-0" (AS101)

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED NOTE AND TRENCH DRAIN	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON
PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

CHILLER ENCLOSURE PLAN, EXTERIOR ELEVATIONS, AND SECTION

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321902

SHEET 106 OF 468

AS102

DRAWFORM REVISION: 25 AUGUST 2020

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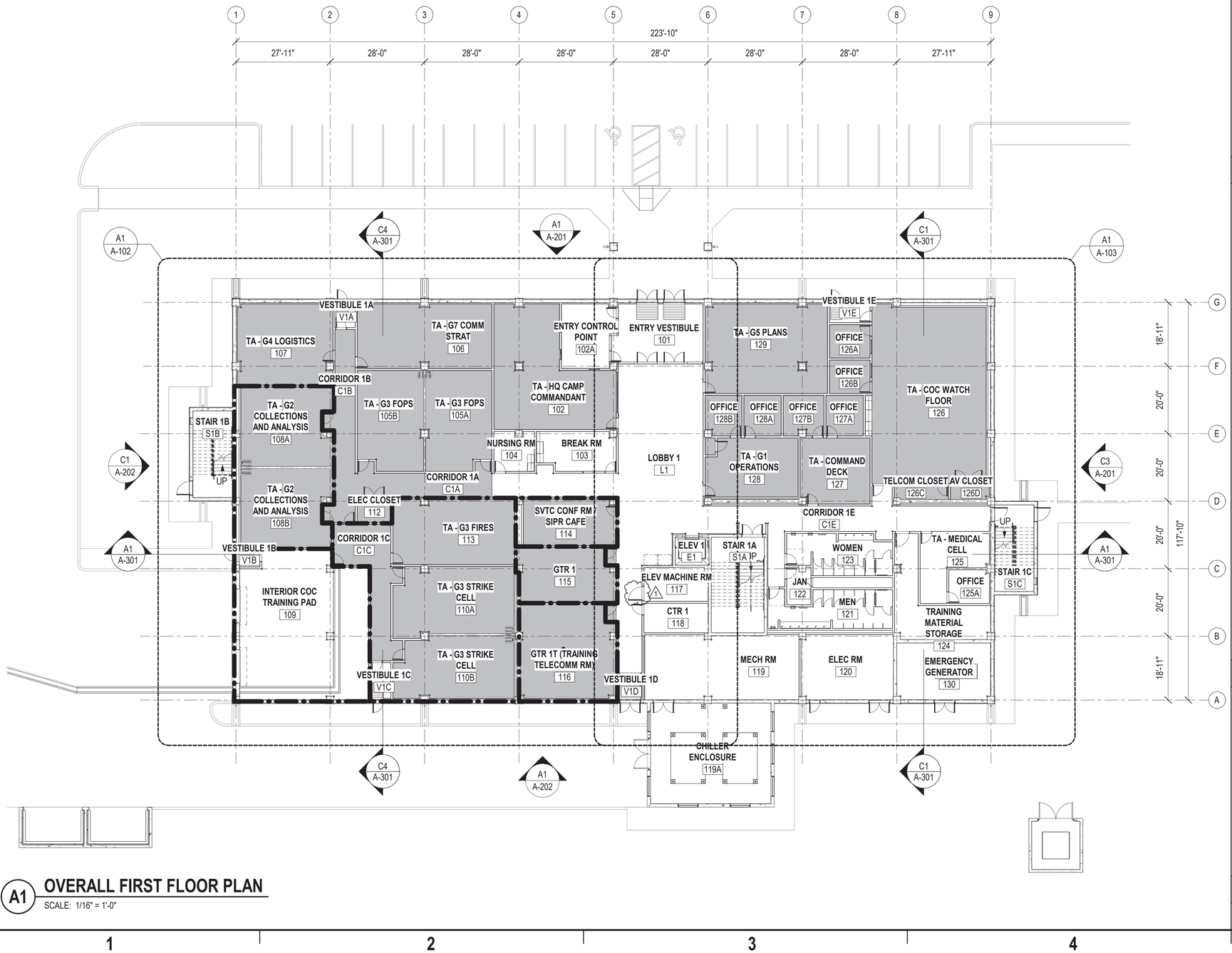


A1 OVERALL FIRST FLOOR PLAN

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

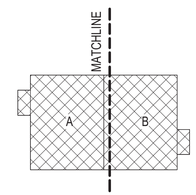
GENERAL SHEET NOTES

1. REFER TO SHEET A-502 FOR PARTITION TYPES.
2. REFET TO SHEET A-750 FOR DOWNSPOUT DETAILS.
3. REFER TO SHEET A-730 FOR CORNER GUARD, FIRE EXTINGUISHER CABINETS, RAISED ACCESS FLOORING, ENTRANCE FLOOR MATS, AND FLOOR DRAIN DETAILS. 1
4. PROVIDE SURFACE-MOUNTED RESILIENT CORNER GUARDS, UNLESS OTHERWISE NOTED, AT ALL OUTSIDE WALL CORNERS. EXCEPTION: DO NOT INSTALL CORNER GUARDS IN RESTROOMS OR AT CORNERS WHERE ADJACENT CASEWORK PREVENTS INSTALLATION. 1

OVERALL FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	RAISED ACCESS FLOORING
	SECURED AREA BOUNDARY

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/16" = 1' - 0"

0 5' 10' 20' 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DOOR AND REVISED GENERAL NOTES 3 & 4	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

OVERALL FIRST FLOOR PLAN

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321912
SHEET 116 OF 468

A-101

DRAWFORM REVISION: 25 AUGUST 2020

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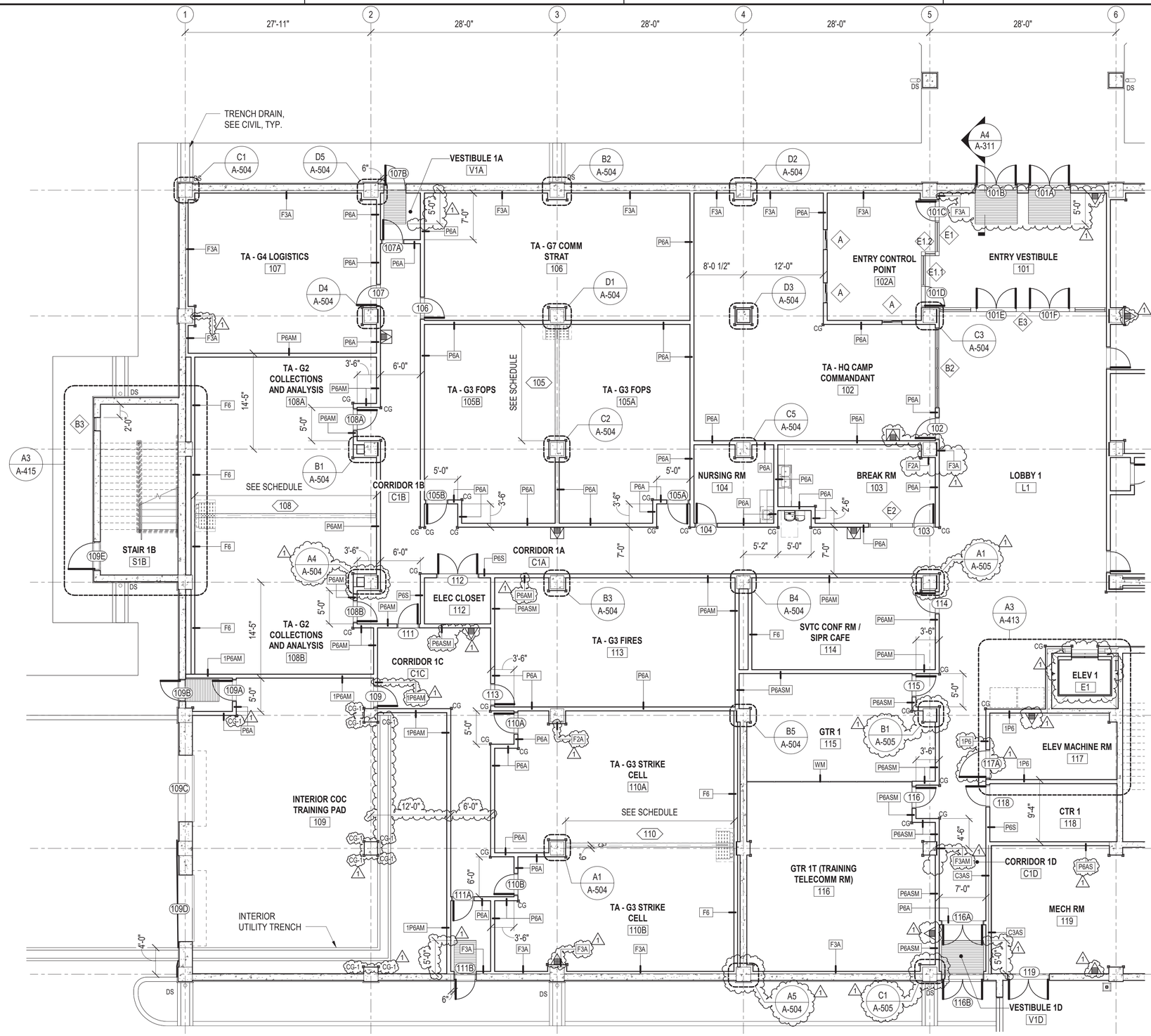


A1 ENLARGED FLOOR PLAN - 1A

SCALE: 1/8" = 1'-0" (A-101)

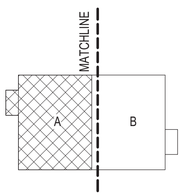
GENERAL SHEET NOTES

1. REFER TO SHEET A-502 FOR PARTITION TYPES.
2. REFET TO SHEET A-750 FOR DOWNSPOUT DETAILS.
3. REFER TO SHEET A-730 FOR CORNER GUARD, FIRE EXTINGUISHER CABINETS, RAISED ACCESS FLOORING, ENTRANCE FLOOR MATS, AND FLOOR DRAIN DETAILS.
4. PROVIDE SURFACE-MOUNTED RESILIENT CORNER GUARDS, UNLESS OTHERWISE NOTED, AT ALL OUTSIDE WALL CORNERS. EXCEPTION: DO NOT INSTALL CORNER GUARDS IN RESTROOMS OR AT CORNERS WHERE ADJACENT CASEWORK PREVENTS INSTALLATION.

FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	CONC WALL
	PARTITION OR FURRED WALL
X	GRIDLINE
CG	RESILIENT CORNER GUARD
CG-1	STAINLESS STEEL CORNER GUARD
	RECESSED ENTRY FLOOR MAT
ROOMNAME 101	ROOM NAME AND NUMBER
101	DOOR NUMBER SYMBOL
A1 A-101	SECTION/ELEVATION
P1	PARTITION TYPE
A1 SIM A-101	DETAIL REFERENCE
A	WINDOW SYMBOL
DS	DOWNSPOUT
FD	FLOOR DRAIN, SEE PLUMBING
FEC	SEMI-RECESSED FIRE EXTINGUISHER CABINET
FEC1	SURFACE MOUNTED FIRE EXTINGUISHER CABINET
KB	KNOX BOX
101	OPERABLE PARTITION TAG

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DETAIL CALLOUTS AND REVISED NOTES	4/27/26	

NAVFAC

MYLES M. MICHIBATA ★ LICENSED PROFESSIONAL ARCHITECT ★ No. 12367 ★ HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED FLOOR PLAN - 1A

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321913
SHEET 117 OF 468

A-102

DRAWFORM REVISION: 25 AUGUST 2020

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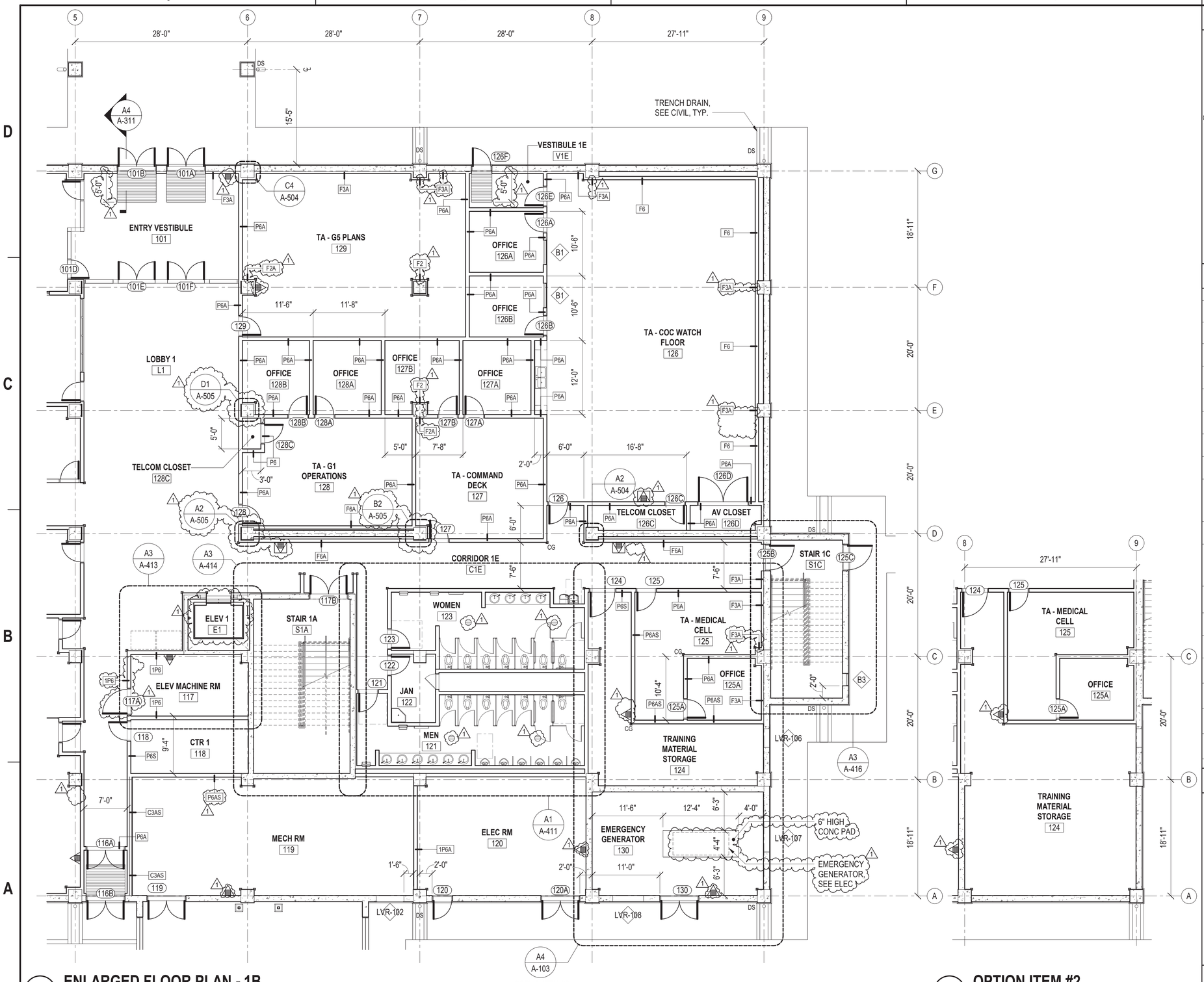
A-102



A1 ENLARGED FLOOR PLAN - 1B

SCALE: 1/8" = 1'-0" (A-101)

A4 OPTION ITEM #2

SCALE: 1/8" = 1'-0" (A-103)

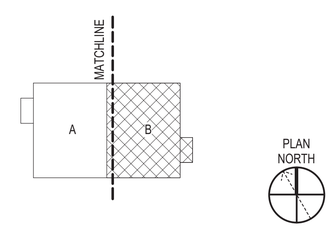
GENERAL SHEET NOTES

1. REFER TO SHEET A-502 FOR PARTITION TYPES.
2. REFET TO SHEET A-750 FOR DOWNSPOUT DETAILS.
3. REFER TO SHEET A-730 FOR CORNER GUARD, FIRE EXTINGUISHER CABINETS, RAISED ACCESS FLOORING, ENTRANCE FLOOR MATS, AND FLOOR DRAIN DETAILS. 1
4. PROVIDE SURFACE-MOUNTED RESILIENT CORNER GUARDS, UNLESS OTHERWISE NOTED, AT ALL OUTSIDE WALL CORNERS. EXCEPTION: DO NOT INSTALL CORNER GUARDS IN RESTROOMS OR AT CORNERS WHERE ADJACENT CASEWORK PREVENTS INSTALLATION. 1

FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	CONC WALL
	PARTITION OR FURRED WALL
X	GRIDLINE
CG	RESILIENT CORNER GUARD
CG-1	STAINLESS STEEL CORNER GUARD 1
	RECESSED ENTRY FLOOR MAT
ROOMNAME 101	ROOM NAME AND NUMBER
101	DOOR NUMBER SYMBOL
A1 A-101	SECTION/ELEVATION
P1	PARTITION TYPE
A1 A-101 SIM	DETAIL REFERENCE
A	WINDOW SYMBOL
DS	DOWNSPOUT
FD	FLOOR DRAIN, SEE PLUMBING
FEC	SEMI-RECESSED FIRE EXTINGUISHER CABINET 1
FEC1	SURFACE MOUNTED FIRE EXTINGUISHER CABINET
KB	KNOX BOX
101	OPERABLE PARTITION TAG

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DETAIL CALLOUTS AND REVISED NOTES	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

Myles Michibata

LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE: 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED FLOOR PLAN - 1B & OPTION ITEM #2

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321914

SHEET 118 OF 468

A-103

DRAWFORM REVISION: 25 AUGUST 2020

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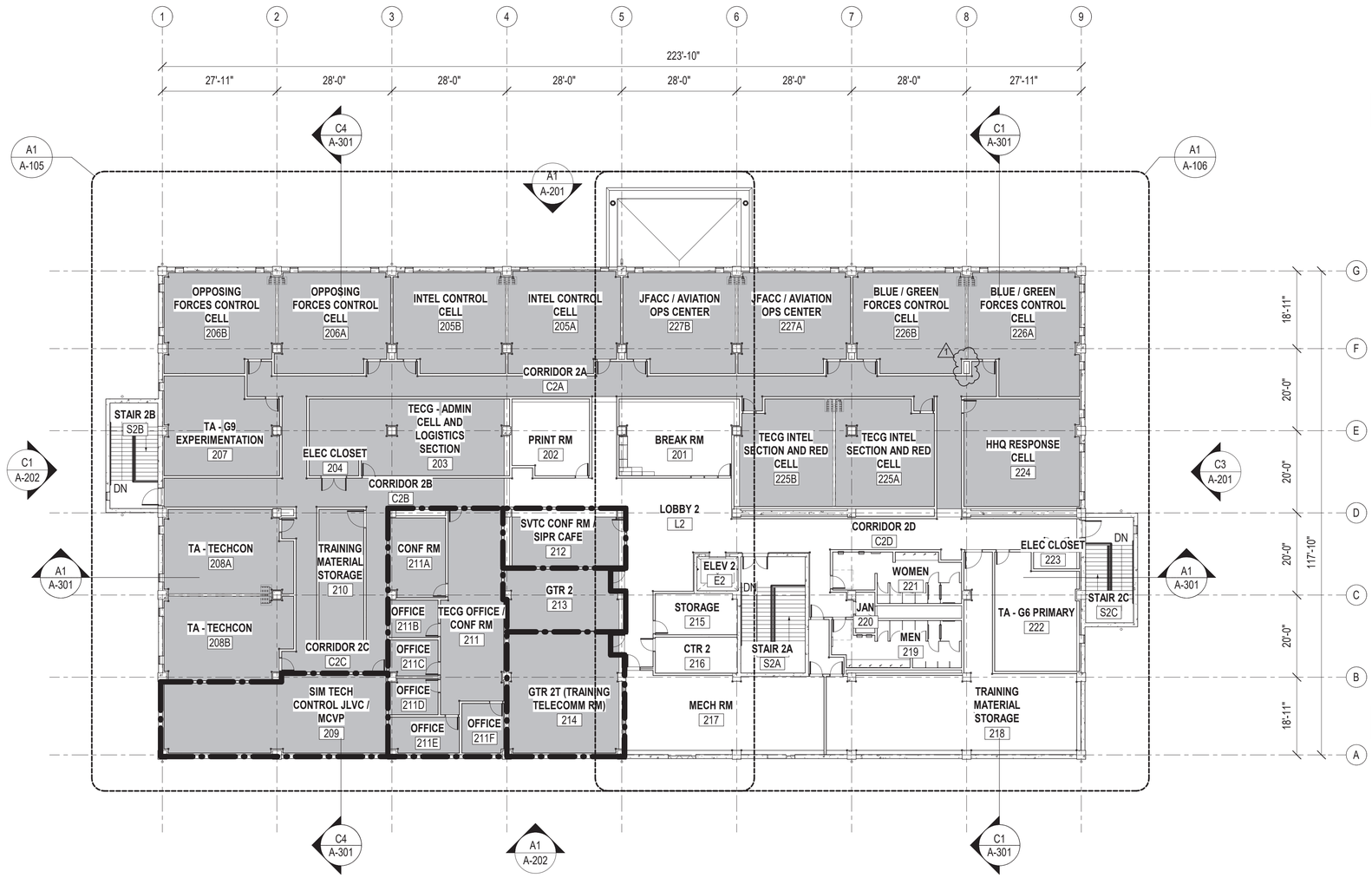


A1 OVERALL SECOND FLOOR PLAN

SCALE: 1/16" = 1'-0" (A-201)

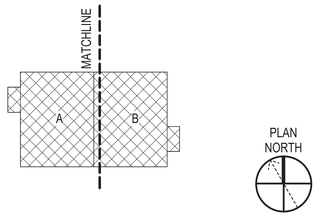
GENERAL SHEET NOTES

1. REFER TO SHEET A-502 FOR PARTITION TYPES.
2. REFET TO SHEET A-750 FOR DOWNSPOUT DETAILS.
3. REFER TO SHEET A-730 FOR CORNER GUARD, FIRE EXTINGUISHER CABINETS, RAISED ACCESS FLOORING, ENTRANCE FLOOR MATS, AND FLOOR DRAIN DETAILS. 1
4. PROVIDE SURFACE-MOUNTED RESILIENT CORNER GUARDS, UNLESS OTHERWISE NOTED, AT ALL OUTSIDE WALL CORNERS. EXCEPTION: DO NOT INSTALL CORNER GUARDS IN RESTROOMS OR AT CORNERS WHERE ADJACENT CASEWORK PREVENTS INSTALLATION. 1

OVERALL FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	RAISED ACCESS FLOORING
	SECURED AREA BOUNDARY

KEY PLAN



GRAPHIC SCALE(S)

1/16" = 1' - 0" 0 5' 10' 20' 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	REVISED PARTITION AND GENERAL NOTES 3 & 4	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
OVERALL SECOND FLOOR PLAN

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321915
SHEET 119 OF 468

A-104

DRAWFORM REVISION: 25 AUGUST 2020

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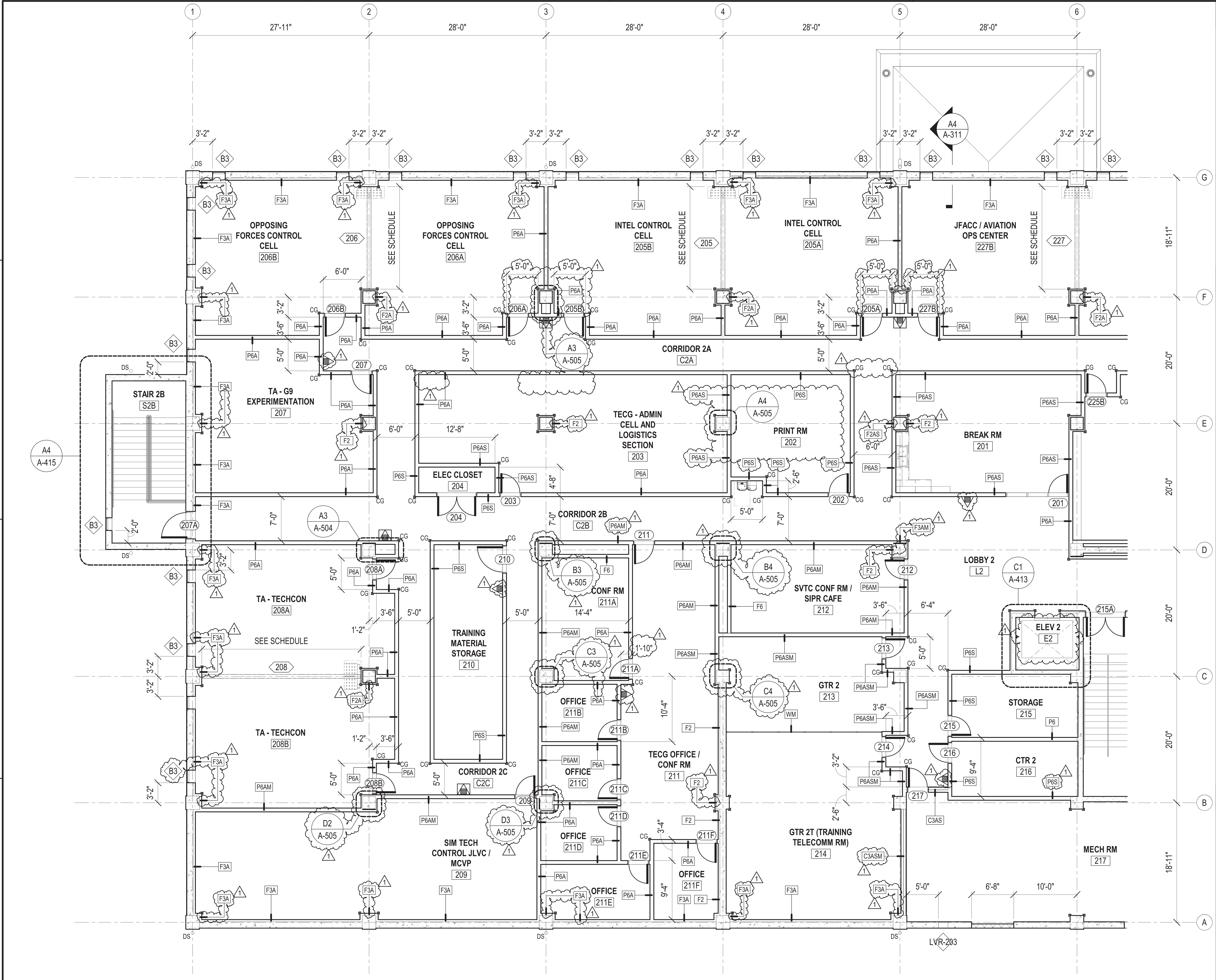


A1 ENLARGED FLOOR PLAN - 2A

SCALE: 1/8" = 1'-0" (A-104)

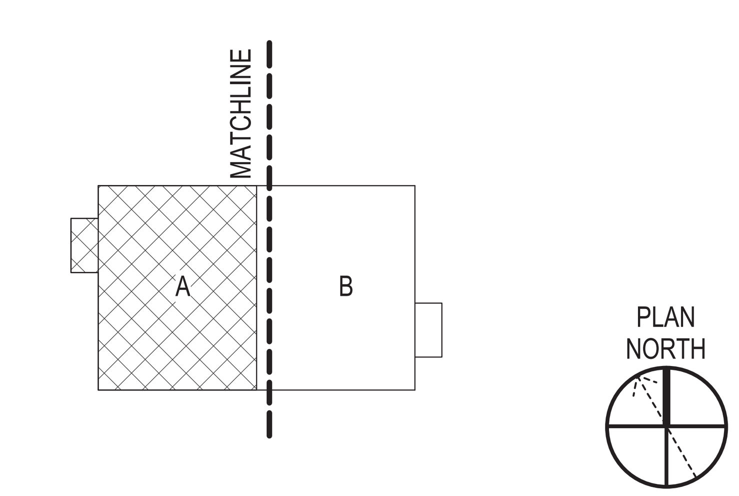
GENERAL SHEET NOTES

1. REFER TO SHEET A-502 FOR PARTITION TYPES.
2. REFET TO SHEET A-750 FOR DOWNSPOUT DETAILS.
3. REFER TO SHEET A-730 FOR CORNER GUARD, FIRE EXTINGUISHER CABINETS, RAISED ACCESS FLOORING, ENTRANCE FLOOR MATS, AND FLOOR DRAIN DETAILS.
4. PROVIDE SURFACE-MOUNTED RESILIENT CORNER GUARDS, UNLESS OTHERWISE NOTED, AT ALL OUTSIDE WALL CORNERS. EXCEPTION: DO NOT INSTALL CORNER GUARDS IN RESTROOMS OR AT CORNERS WHERE ADJACENT CASEWORK PREVENTS INSTALLATION.

FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	CONC WALL
	PARTITION OR FURRED WALL
X	GRIDLINE
CG	RESILIENT CORNER GUARD
CG-1	STAINLESS STEEL CORNER GUARD
	RECESSED ENTRY FLOOR MAT
ROOMNAME 101	ROOM NAME AND NUMBER
101	DOOR NUMBER SYMBOL
A1 A-101	SECTION/ELEVATION
P1	PARTITION TYPE
A1 A-101 SIM	DETAIL REFERENCE
A	WINDOW SYMBOL
DS	DOWNSPOUT
FD	FLOOR DRAIN, SEE PLUMBING
FEC	SEMI-RECESSED FIRE EXTINGUISHER CABINET
FEC1	SURFACE MOUNTED FIRE EXTINGUISHER CABINET
KB	KNOX BOX
101	OPERABLE PARTITION TAG

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DETAIL CALLOUTS AND REVISED NOTES	4/27/26	

NAVFAC

LICENSED PROFESSIONAL ARCHITECT MYLES M. MICHIBATA No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC.

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026
ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
NAVFAC PACIFIC
MCB CAMP BLAZ, GUAM
U.S. NAVSUPPACT
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED FLOOR PLAN - 2A

SCALE: AS NOTED
EPROJECT NO. 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321916
SHEET 120 OF 468
A-105

DRAWFORM REVISION: 25 AUGUST 2020

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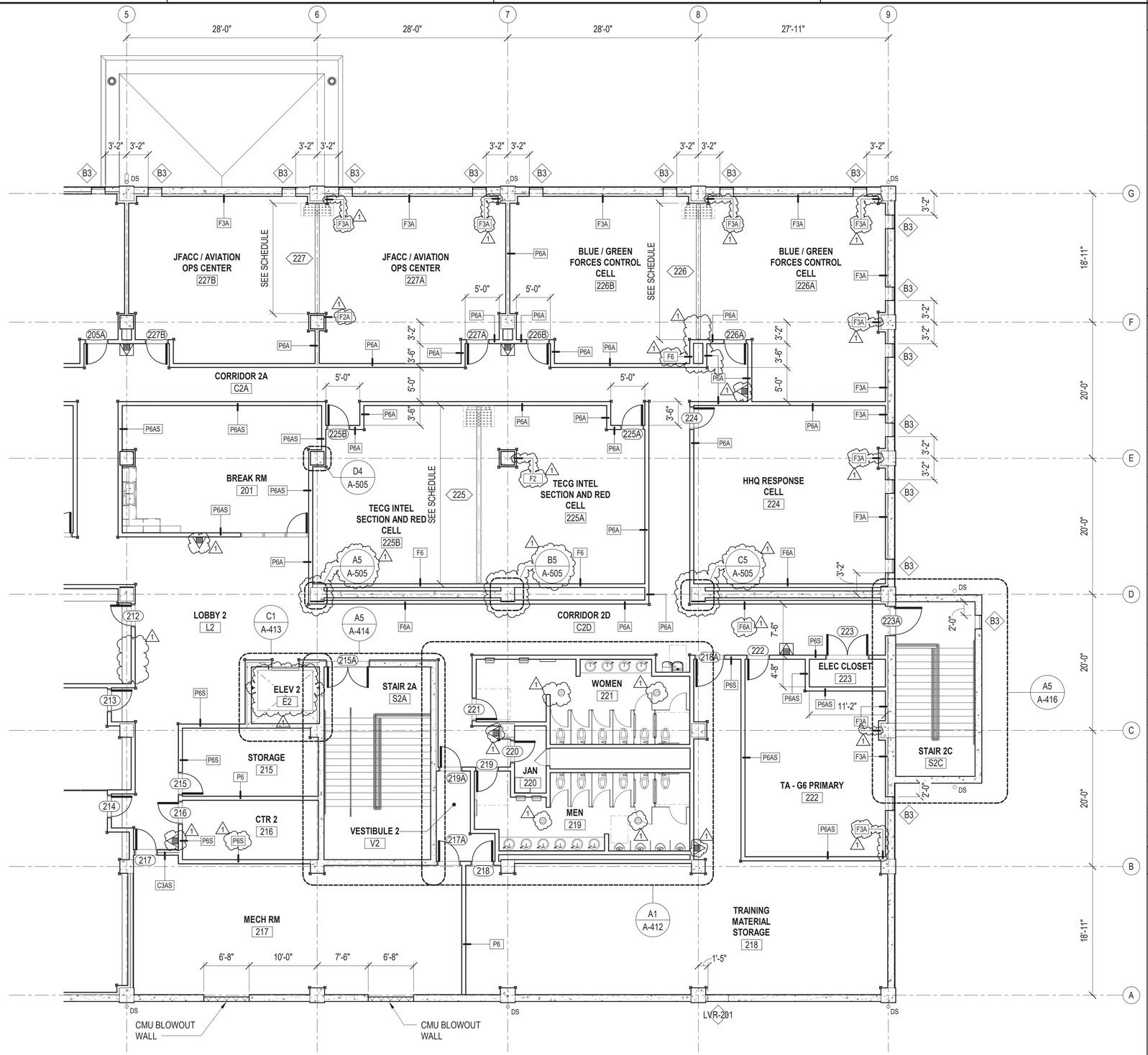


A1 ENLARGED FLOOR PLAN - 2B

SCALE: 1/8" = 1'-0" (A-104)

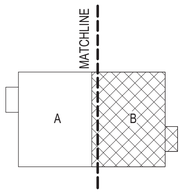
GENERAL SHEET NOTES

1. REFER TO SHEET A-502 FOR PARTITION TYPES.
2. REFET TO SHEET A-750 FOR DOWNSPOUT DETAILS.
3. REFER TO SHEET A-730 FOR CORNER GUARD, FIRE EXTINGUISHER CABINETS, RAISED ACCESS FLOORING, ENTRANCE FLOOR MATS, AND FLOOR DRAIN DETAILS.
4. PROVIDE SURFACE-MOUNTED RESILIENT CORNER GUARDS, UNLESS OTHERWISE NOTED, AT ALL OUTSIDE WALL CORNERS. EXCEPTION: DO NOT INSTALL CORNER GUARDS IN RESTROOMS OR AT CORNERS WHERE ADJACENT CASEWORK PREVENTS INSTALLATION.

FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	CONC WALL
	PARTITION OR FURRED WALL
X	GRIDLINE
CG	RESILIENT CORNER GUARD
CG-1	STAINLESS STEEL CORNER GUARD
	RECESSED ENTRY FLOOR MAT
ROOMNAME 101	ROOM NAME AND NUMBER
101	DOOR NUMBER SYMBOL
A1 A-101	SECTION/ELEVATION
P1	PARTITION TYPE
A1 SIM A-101	DETAIL REFERENCE
A	WINDOW SYMBOL
DS	DOWNSPOUT
FD	FLOOR DRAIN, SEE PLUMBING
FEC	SEMI-RECESSED FIRE EXTINGUISHER CABINET
FEC1	SURFACE MOUNTED FIRE EXTINGUISHER CABINET
KB	KNOX BOX
101	OPERABLE PARTITION TAG

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DETAIL CALLOUTS AND REVISED NOTES	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED FLOOR PLAN - 2B

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321917
SHEET 121 OF 468

A-106

DRAWFORM REVISION: 25 AUGUST 2020

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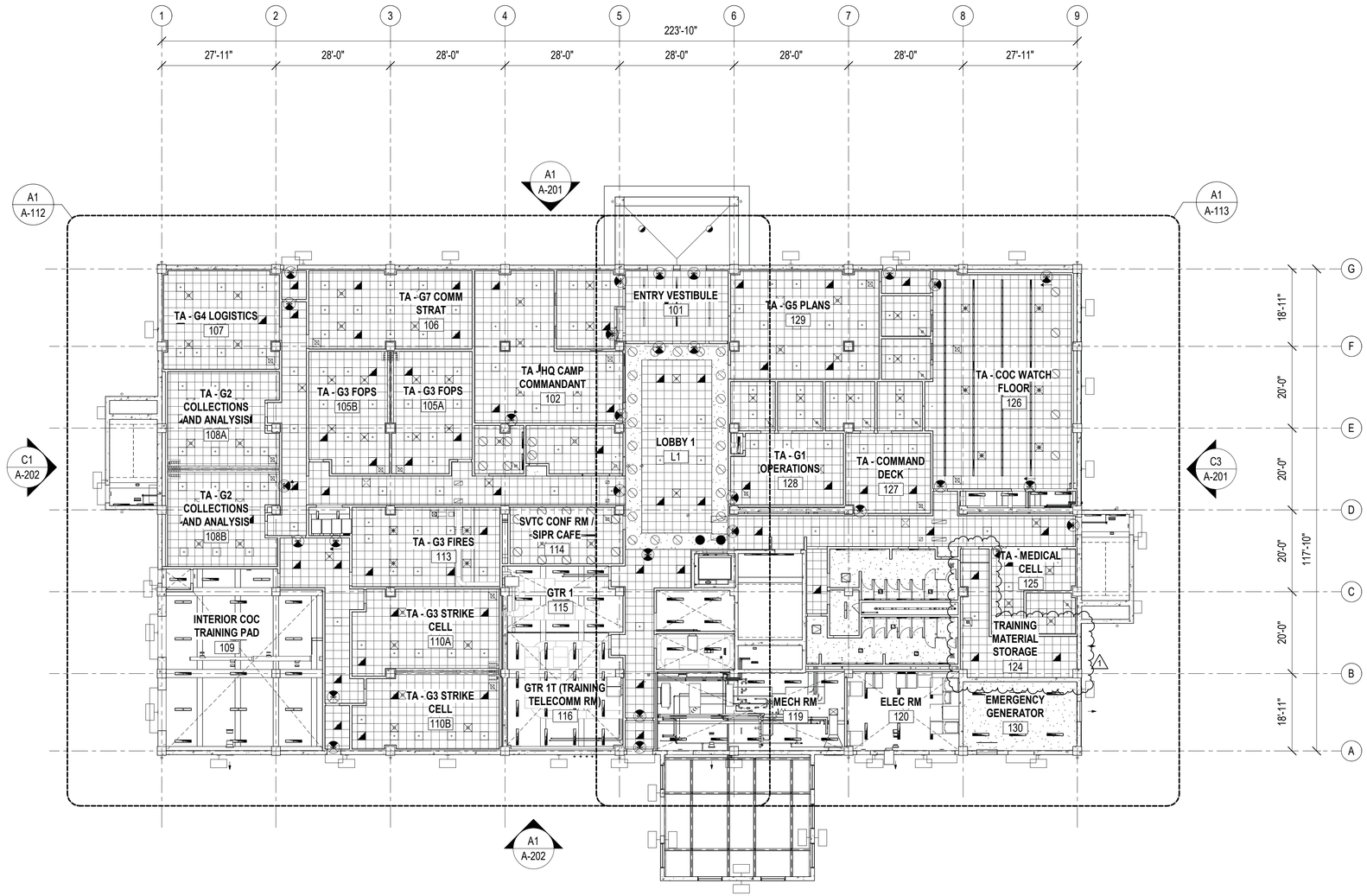


A1 OVERALL FIRST FLOOR REFLECTED CEILING PLAN

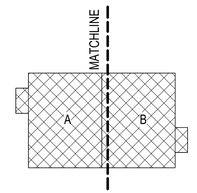
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
	NO CEILING - EXPOSED TO STRUCTURE
	2' - 0" X 2' - 0" ACOUSTICAL CEILING TILE
	GYPSUM BOARD CEILING
X'-X" A.F.F.	FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
	LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
	EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
	RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
	SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS.
	EXHAUST GRILLE, REFER TO MECHANICAL DRAWINGS

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/16" = 1' - 0" 0 5' 10' 20' 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	ADDED CEILING AT ROOM 124	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026
ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB
DRW	RLB
CHK	JG
PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
OVERALL FIRST FLOOR REFLECTED CEILING PLAN

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321918
SHEET 122 OF 468

A-111

DRAWFORM REVISION: 25 AUGUST 2020

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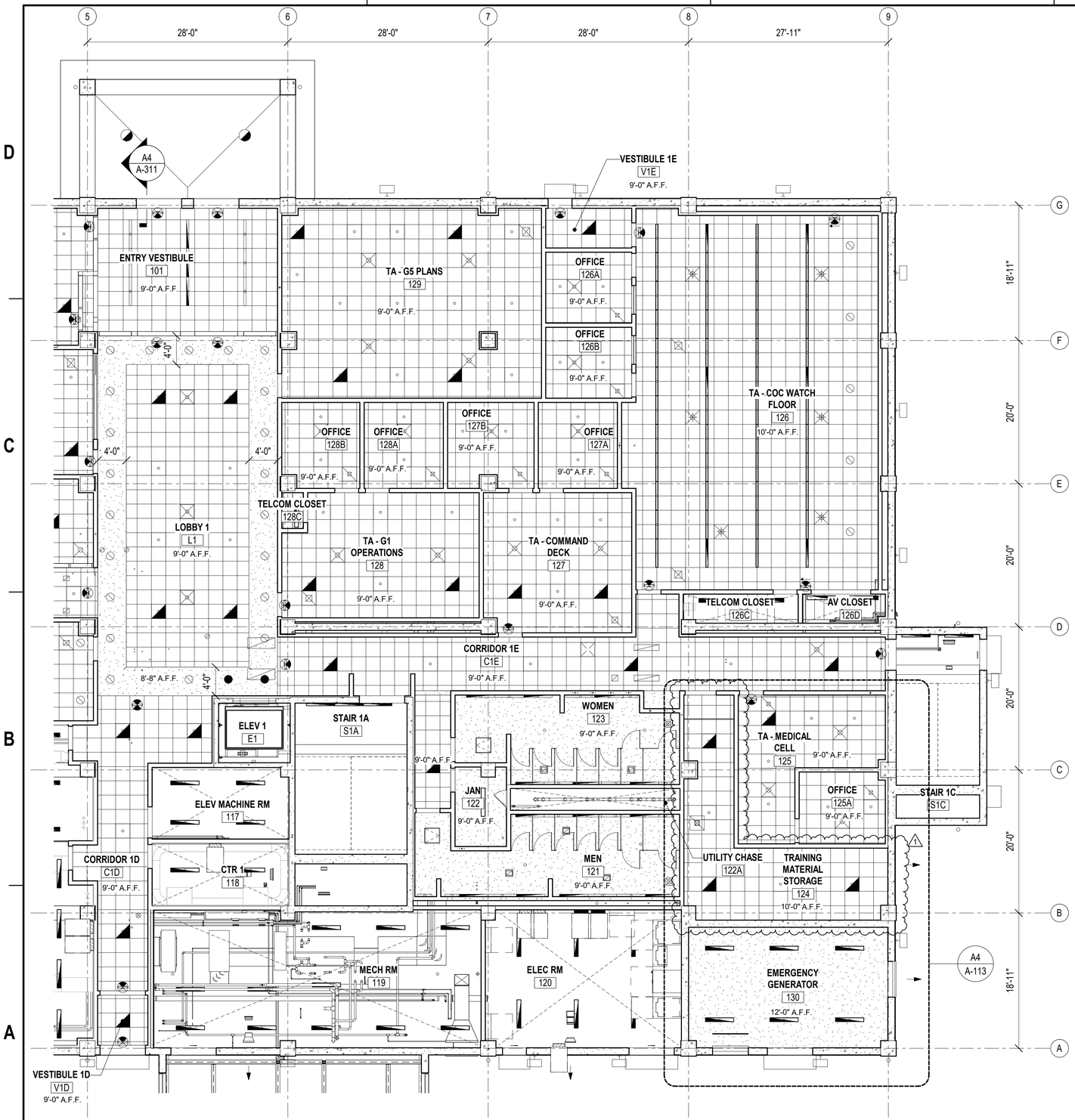


A1 ENLARGED REFLECTED CEILING PLAN - 1B

SCALE: 1/8" = 1'-0" (A-111)

A4 OPTION ITEM #2

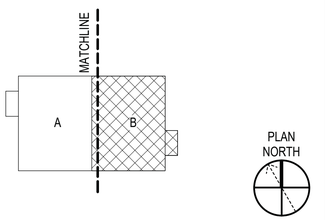
SCALE: 1/8" = 1'-0" (A-113)

GENERAL SHEET NOTES

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
	NO CEILING - EXPOSED TO STRUCTURE
	2' - 0" X 2' - 0" ACOUSTICAL CEILING TILE
	GYPSUM BOARD CEILING
X'-X" A.F.F.	FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
	LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
	EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
	RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
	SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS.
	EXHAUST GRILLE, REFER TO MECHANICAL DRAWINGS

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0"

0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED CEILING AT ROOM 124	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB	CHK	JG
PM/DM	DKS/DMK				
BRANCH MANAGER	KYM				
CHIEF ENG/ARCH	KYM				
FIRE PROTECTION	RYO				

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED REFLECTED CEILING PLAN - 1B & OPTION ITEM #2

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321920
SHEET 124 OF 468

A-113

DRAWFORM REVISION: 25 AUGUST 2020

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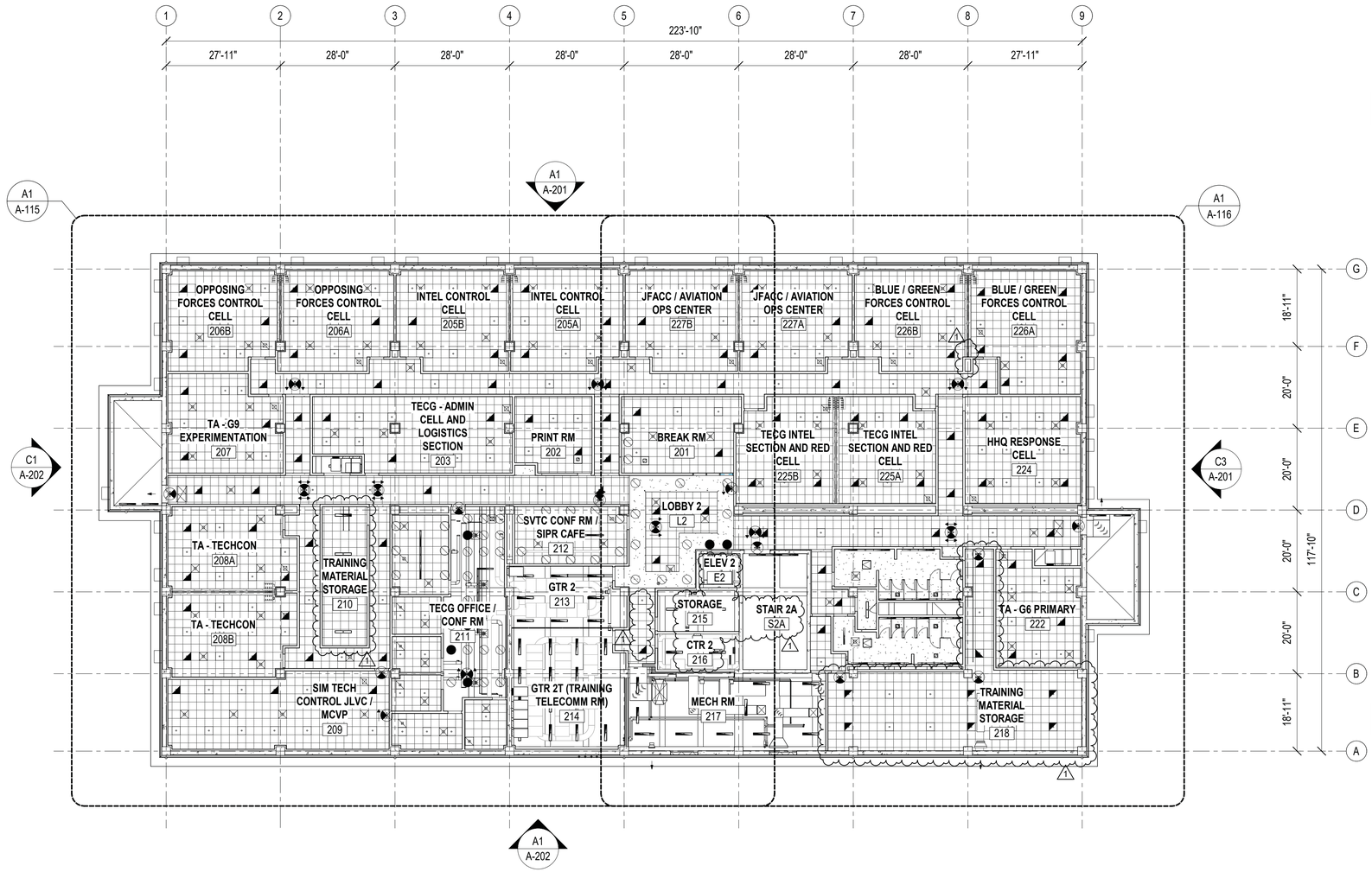
A-113



A1 OVERALL SECOND FLOOR REFLECTED CEILING PLAN

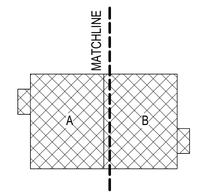
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
	NO CEILING - EXPOSED TO STRUCTURE
	2' - 0" X 2' - 0" ACOUSTICAL CEILING TILE
	GYPSUM BOARD CEILING
X'-X" A.F.F.	FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
	LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
	EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
	RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
	SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS.
	EXHAUST GRILLE, REFER TO MECHANICAL DRAWINGS

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/16" = 1' - 0"

0 5' 10' 20' 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	ADDED CEILING AT ROOM 219 AND ADDED LIGHT FIXTURES	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

LIC. EXP 04/30/26

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY

NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB	CHK	JG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

OVERALL SECOND FLOOR REFLECTED CEILING PLAN

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321921
SHEET	125 OF 468

A-114

DRAWFORM REVISION: 25 AUGUST 2020

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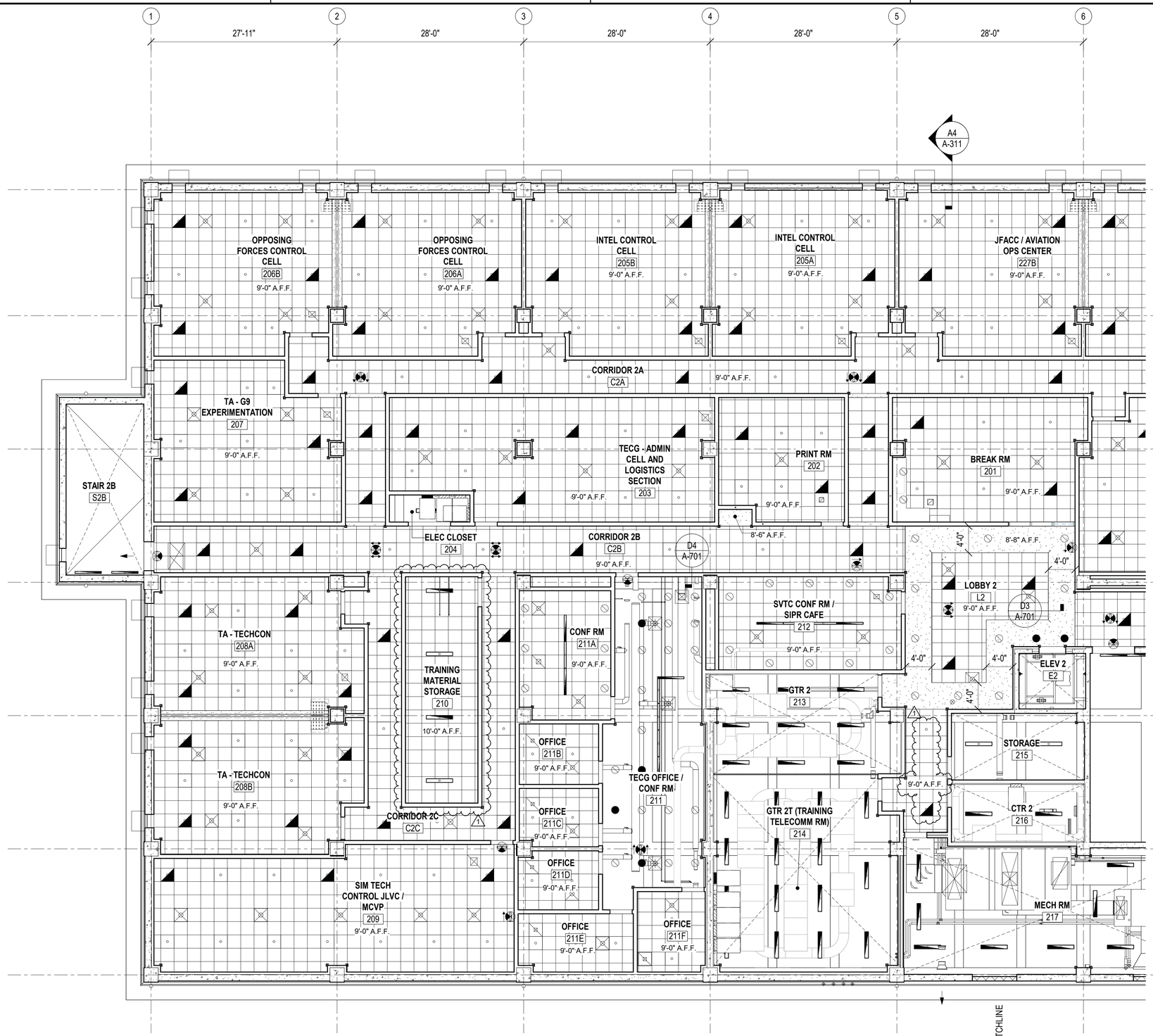
A-114



A1 ENLARGED REFLECTED CEILING PLAN - 2A

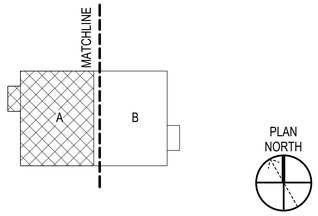
SCALE: 1/8" = 1'-0" (A-114)

GENERAL SHEET NOTES

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
	NO CEILING - EXPOSED TO STRUCTURE
	2' - 0" X 2' - 0" ACOUSTICAL CEILING TILE
	GYPSUM BOARD CEILING
X'-X" A.F.F.	FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
	LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
	EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
	RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
	SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS.
	EXHAUST GRILLE, REFER TO MECHANICAL DRAWINGS

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED CEILING AT ROOM 210 AND ADDED LIGHT FIXTURES	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC MAKALAPA, HAWAII
U.S. NAVSUPPACT MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED REFLECTED CEILING PLAN - 2A

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321922

SHEET 126 OF 468

A-115

DRAWFORM REVISION: 25 AUGUST 2020

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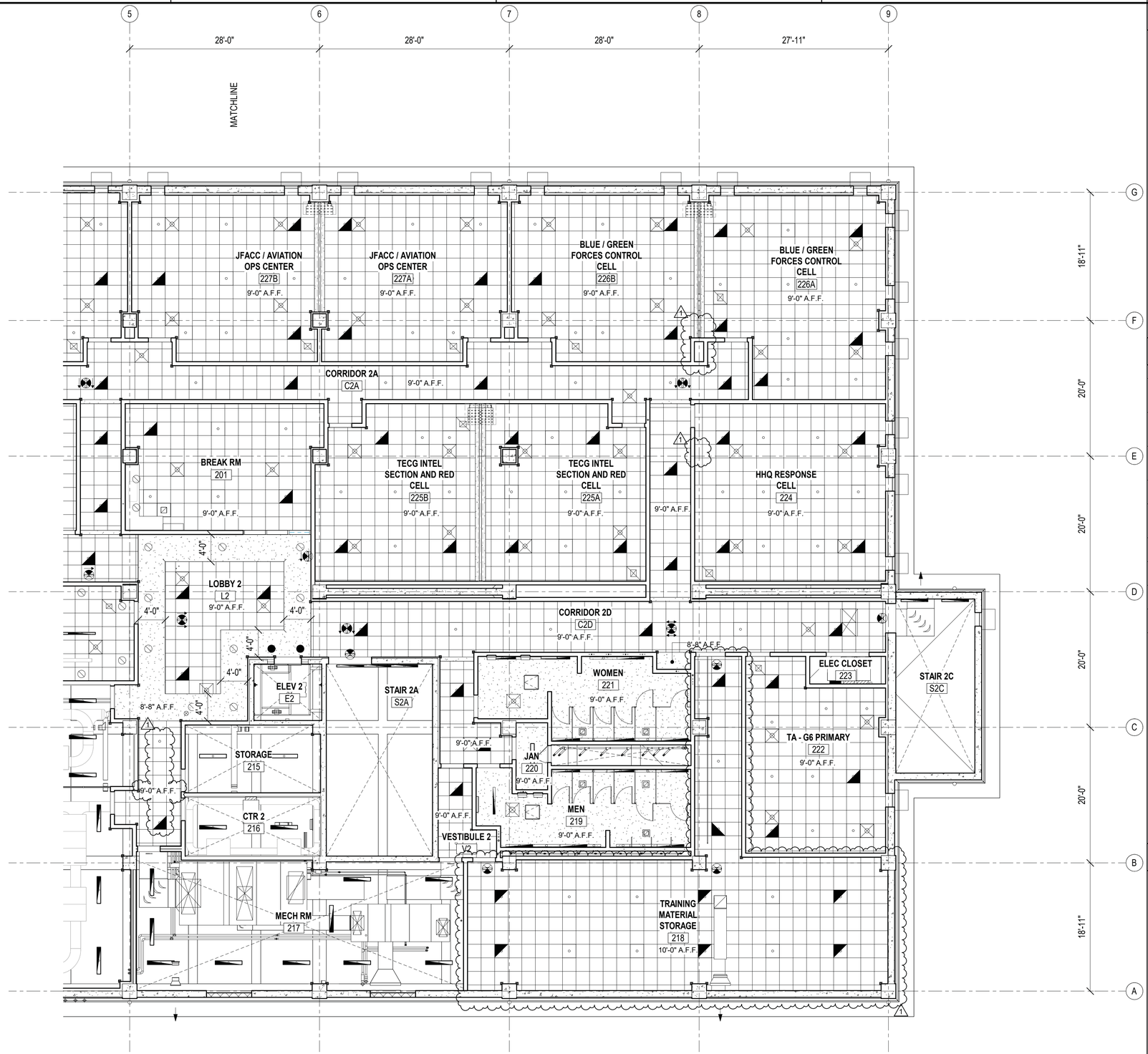


A1 ENLARGED REFLECTED CEILING PLAN - 2B

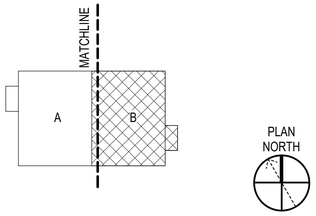
SCALE: 1/8" = 1'-0" (A-114)

GENERAL SHEET NOTES

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
	NO CEILING - EXPOSED TO STRUCTURE
	2' - 0" X 2' - 0" ACOUSTICAL CEILING TILE
	GYPSUM BOARD CEILING
X'-X" A.F.F.	FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
	LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
	EXIT SIGN, REFER TO ELECTRICAL DRAWINGS
	RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
	SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS.
	EXHAUST GRILLE, REFER TO MECHANICAL DRAWINGS

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED CEILING AT ROOM 218 AND ADDED LIGHT FIXTURES	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED REFLECTED CEILING PLAN - 2B

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321923

SHEET 127 OF 468

A-116

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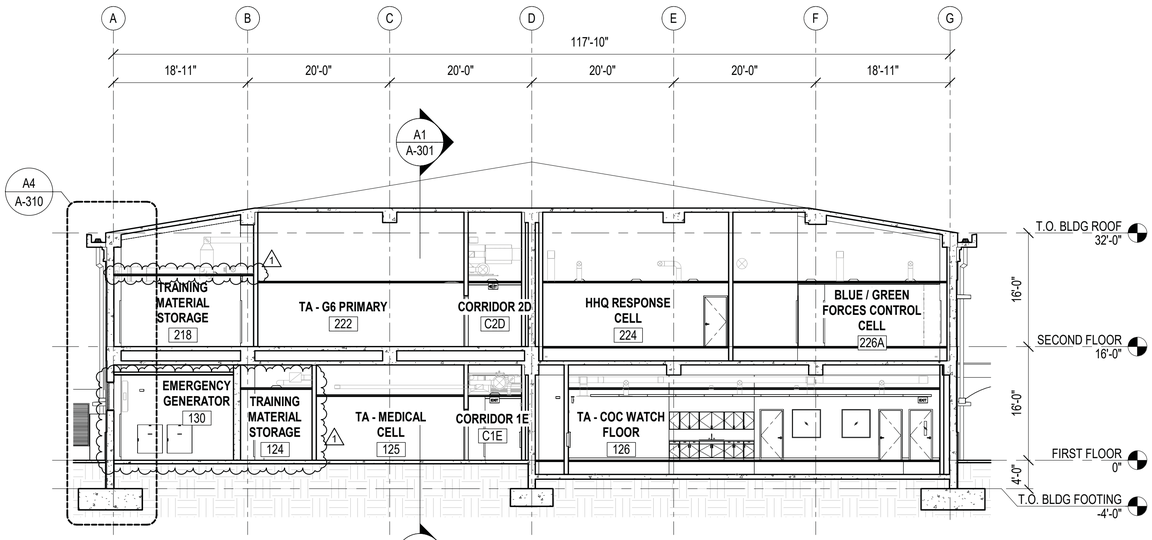
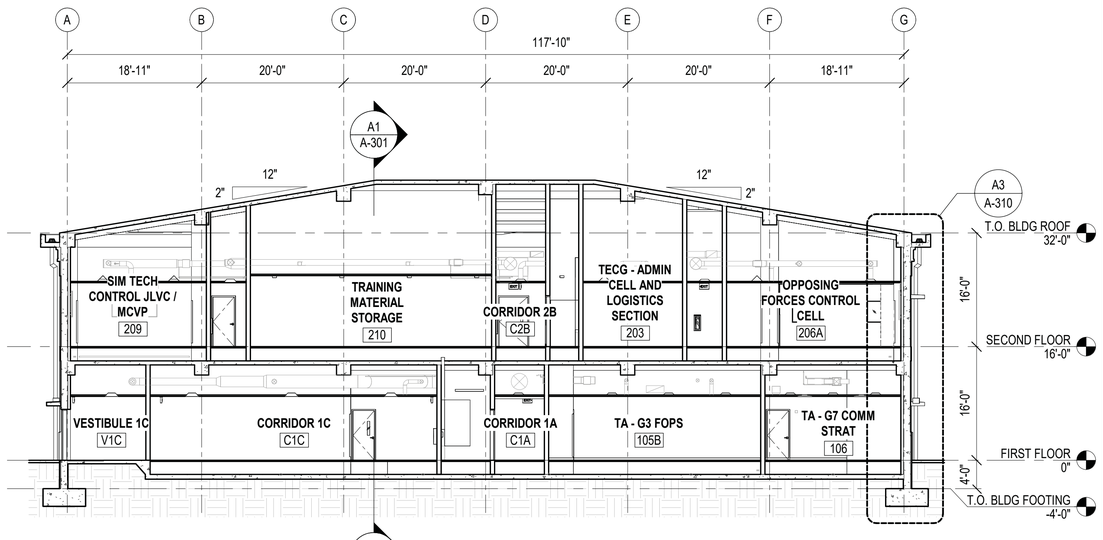
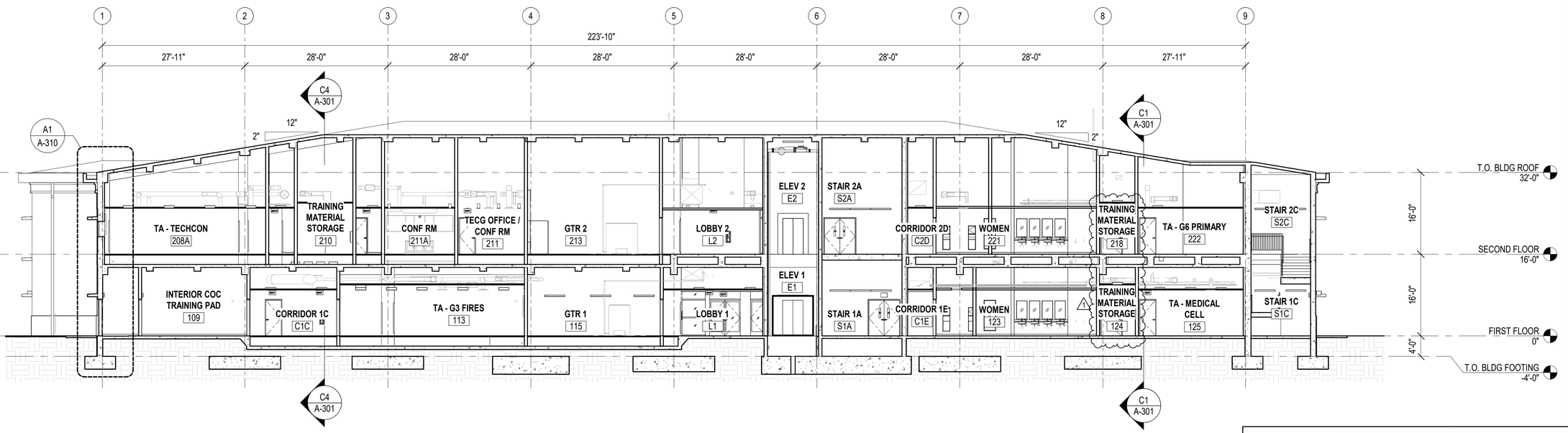
GENERAL SHEET NOTES



C1 **BUILDING CROSS SECTION**
SCALE: 3/32" = 1'-0"



C4 **BUILDING CROSS SECTION**
SCALE: 3/32" = 1'-0"



A1 **BUILDING LONGITUDINAL SECTION**
SCALE: 3/32" = 1'-0"

GRAPHIC SCALE(S)

3/32" = 1' - 0" 0 5' 10' 20' 40'

SYM	DESCRIPTION	DATE	APPR
1	ADDED CEILING AND ROOM TAGS	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
BUILDING SECTIONS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321928
SHEET 132 OF 468

A-301

DRAWFORM REVISION: 25 AUGUST 2020

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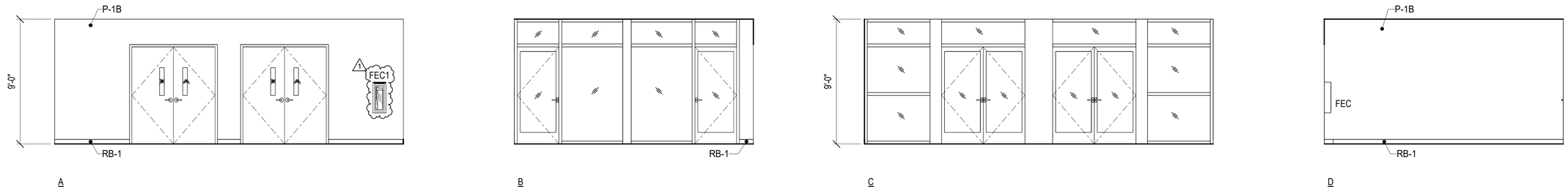
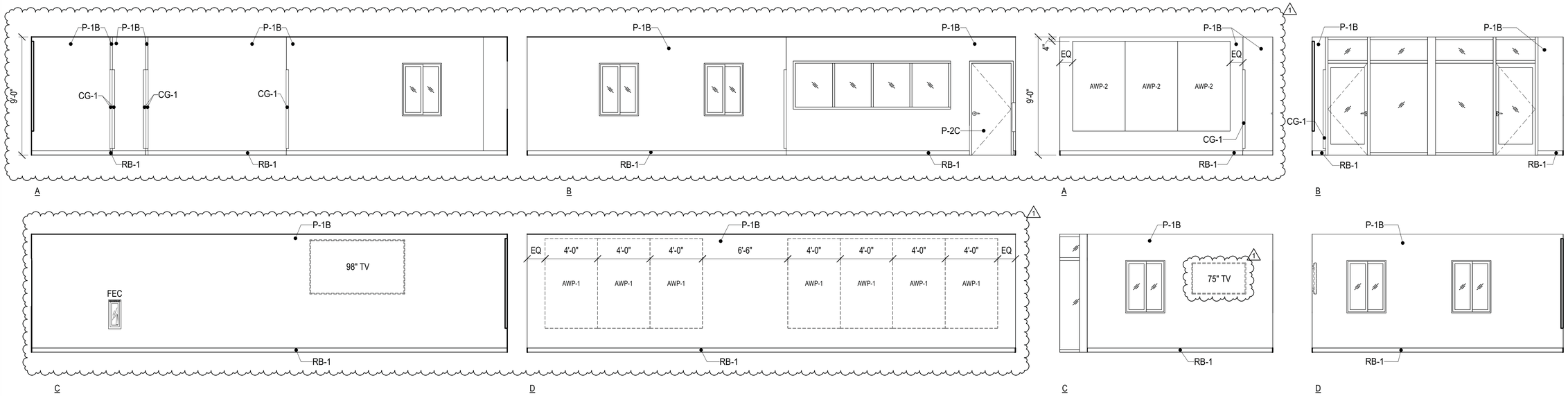


D1 ENTRY VESTIBULE 101

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

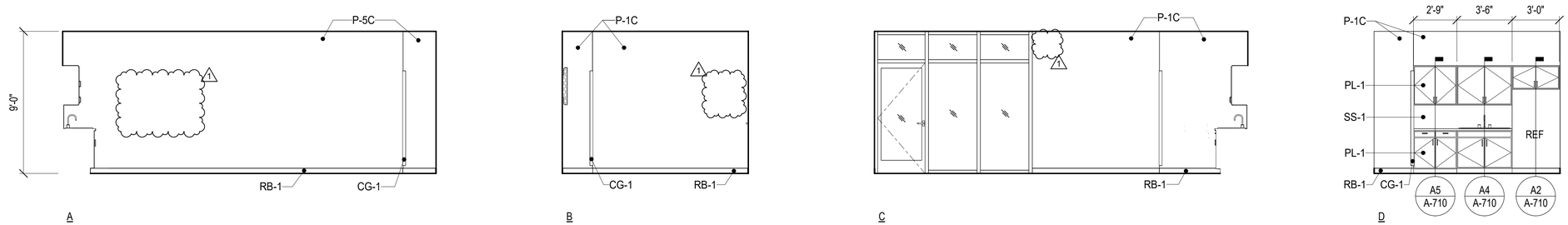


B1 TA - HQ CAMP COMMANDANT 102

SCALE: 1/4" = 1'-0" (I-804)

B4 ENTRY CONTROL POINT 102A

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



A1 BREAK ROOM 103

SCALE: 1/4" = 1'-0" (I-805)

GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED AWP, WALL-MOUNTED AV, CALLOUTS	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26
SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

INTERIOR ELEVATIONS

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321931

SHEET 135 OF 468

A-401

DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 8:53:56 AM
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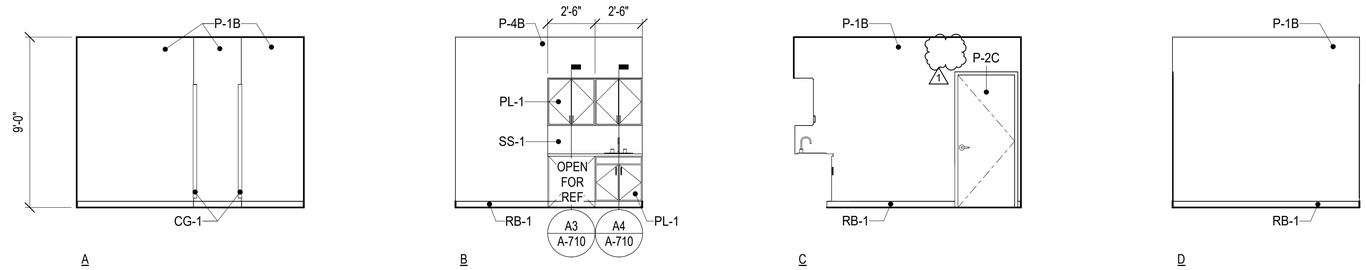
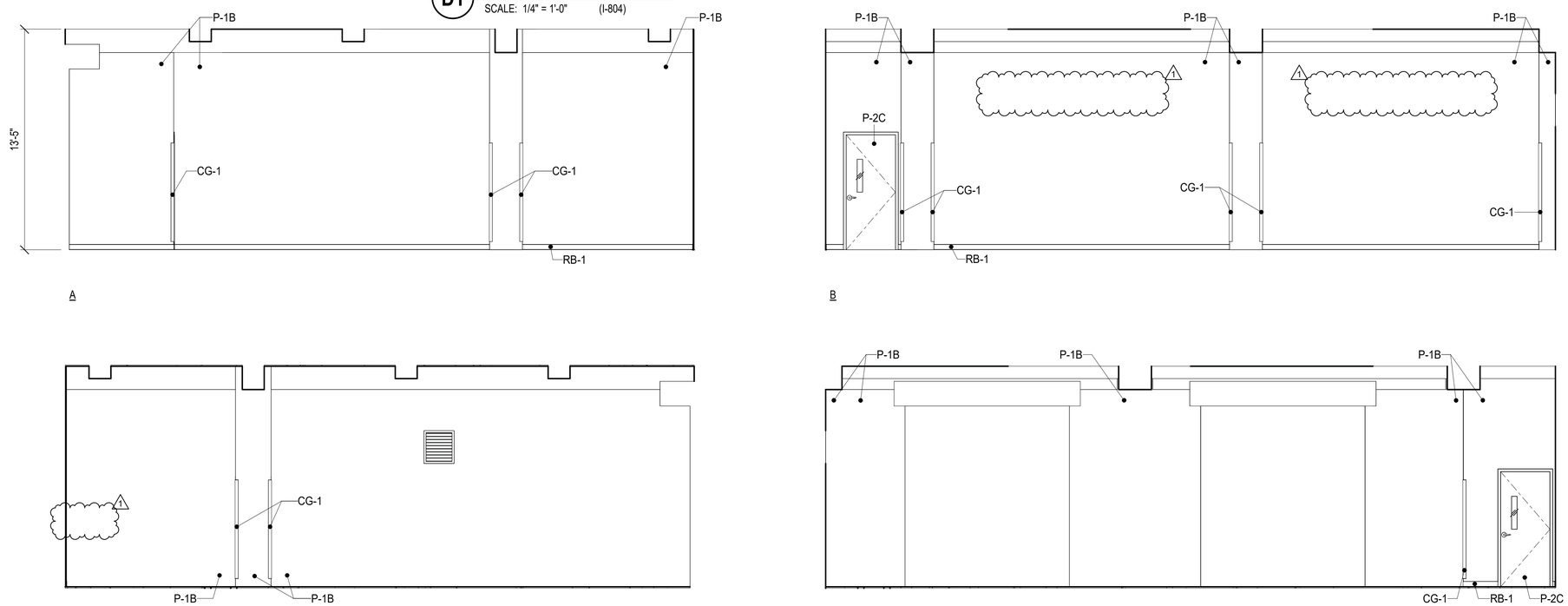
A-401



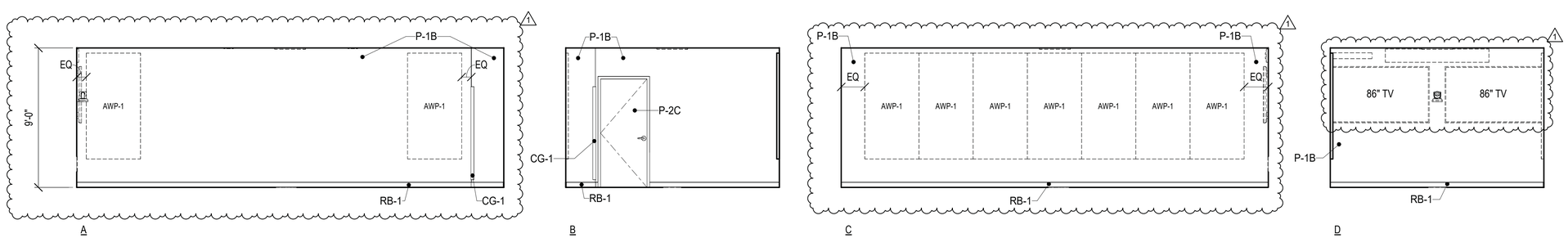
D1 NURSING ROOM 104

SCALE: 1/4" = 1'-0" (I-804)



B1 INTERIOR COC TRAINING PAD 109

SCALE: 1/4" = 1'-0" (I-809)



A1 SVTC CONF RM / SIPR CAFE 114

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

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED AWP, WALL-MOUNTED AV, CALLOUTS	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY

NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

INTERIOR ELEVATIONS

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321932

SHEET 136 OF 468

A-402

DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 8:53:58 AM A-402
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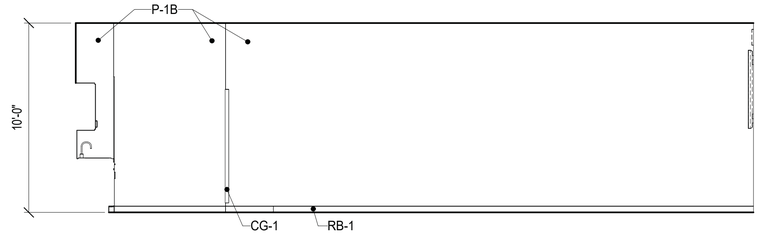

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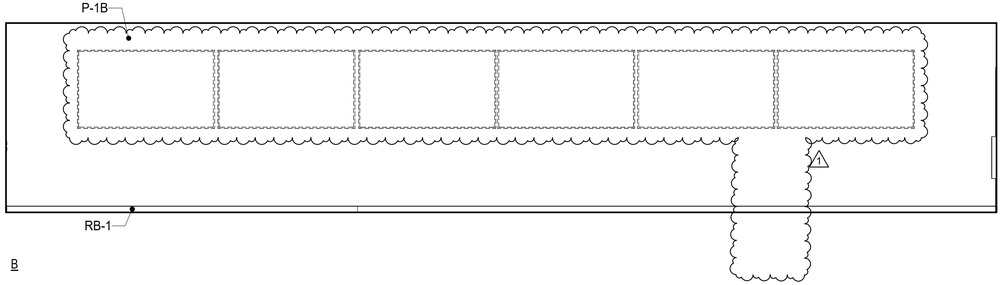

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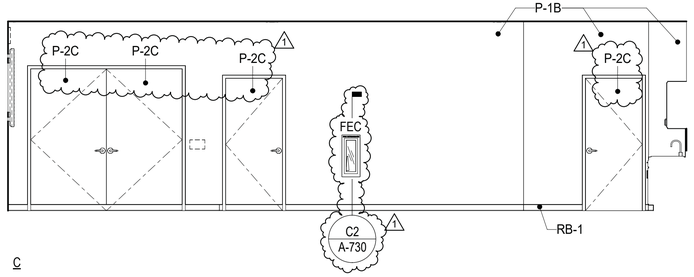

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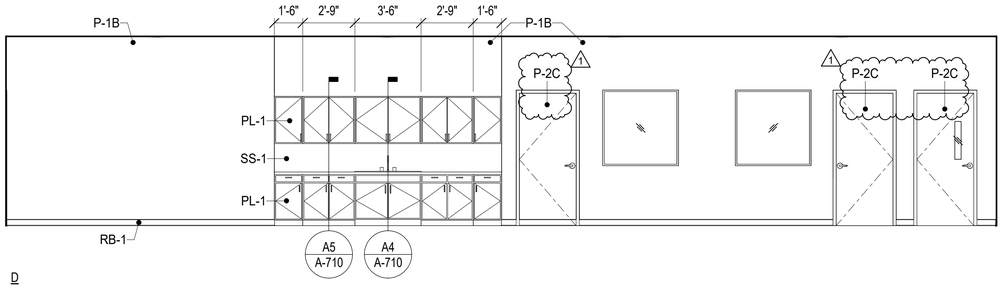
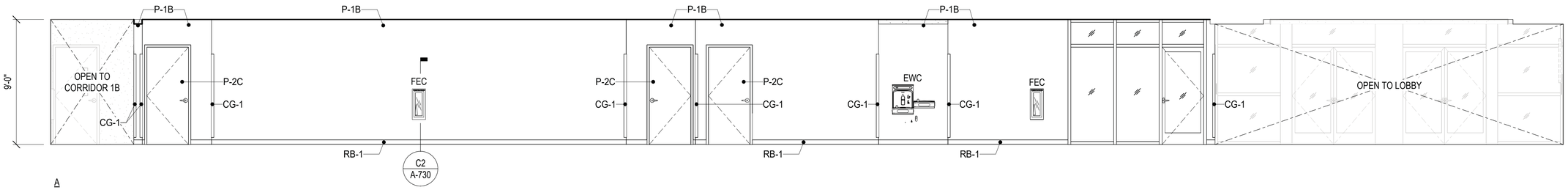


D

C1 TA - COC WATCH FLOOR 126

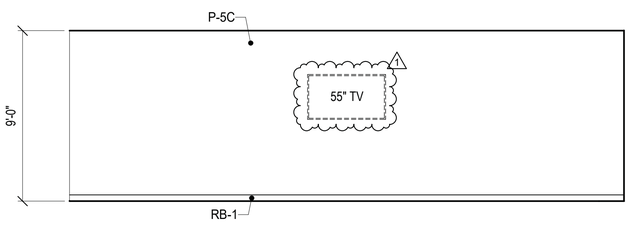
SCALE: 1/4" = 1'-0" (I-806)



A

B1 CORRIDOR 1A C1A

SCALE: 1/4" = 1'-0" (I-804)



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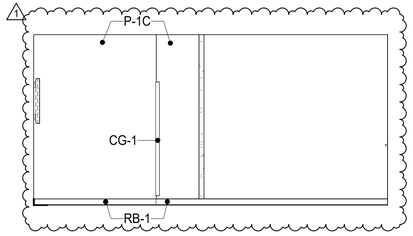

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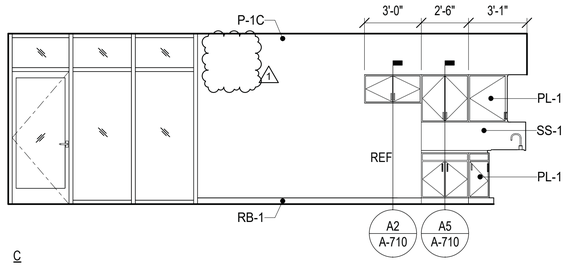

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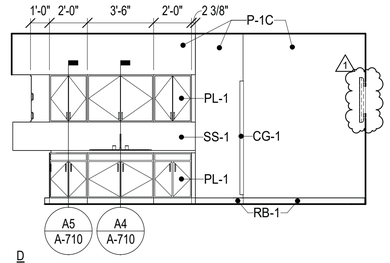

D

A1 BREAK ROOM 201

SCALE: 1/4" = 1'-0" (I-811)

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED ANTI WALL MOUNTED AV CALLOUTS	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB	CHK	JG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
INTERIOR ELEVATIONS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321933
SHEET 137 OF 468

A-403

DRAWFORM REVISION: 25 AUGUST 2020

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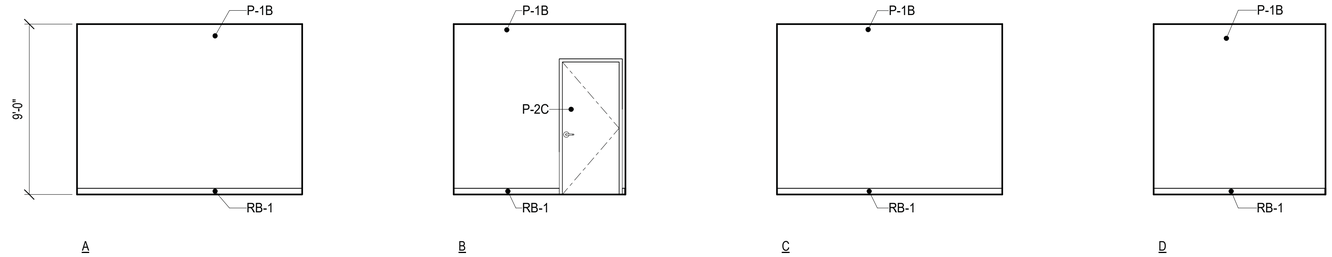
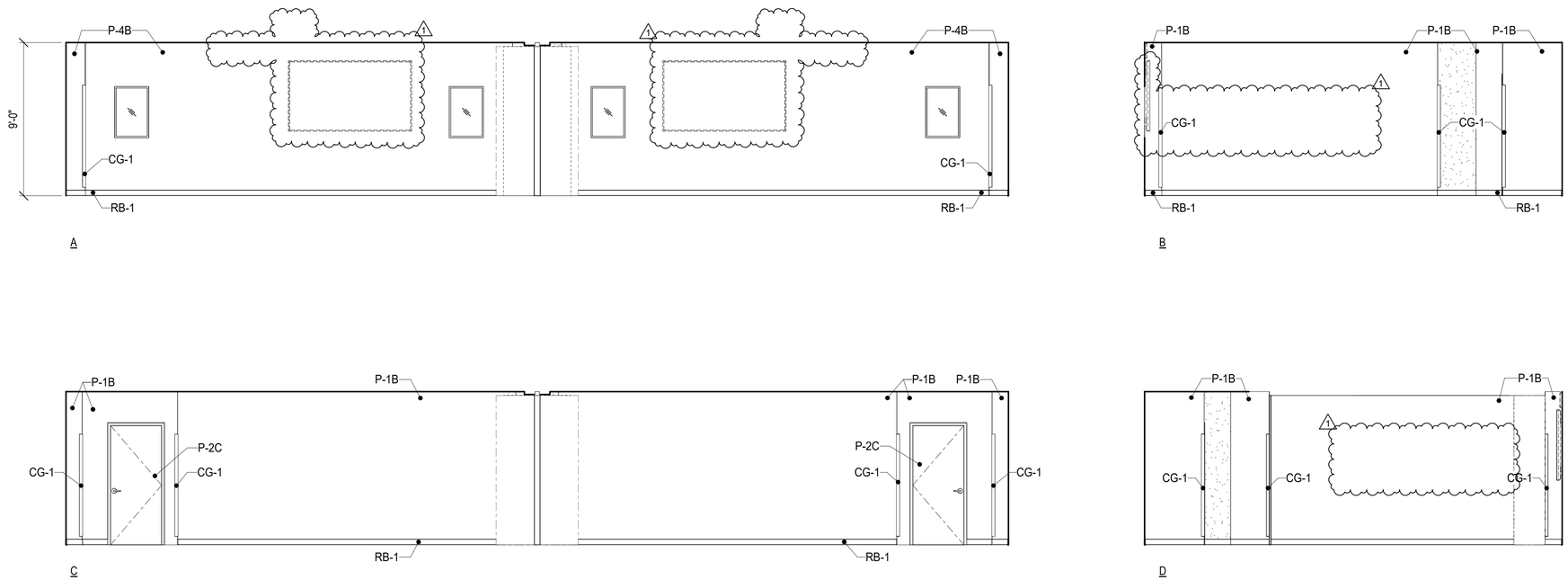


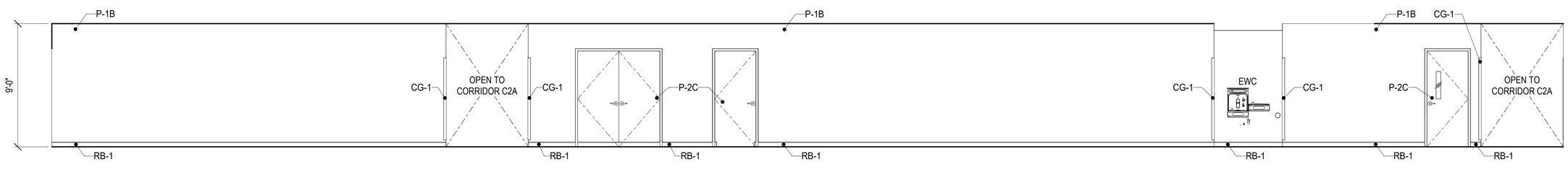
D1 OFFICE 211B

SCALE: 1/4" = 1'-0" (I-815)



B1 JFACC / AVIATION OPS CENTER 227 A & B

SCALE: 1/4" = 1'-0" (I-811)



A1 CORRIDOR 2B C2B

SCALE: 1/4" = 1'-0" (I-810)

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED AWP, WALL-MOUNTED AV, CALLOUTS	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE: 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM: DKS/DMK

BRANCH MANAGER: KYM

CHIEF ENG/ARCH: KYM

FIRE PROTECTION: RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

INTERIOR ELEVATIONS

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO.: N62742-20-D-0001

NAVFAC DRAWING NO.: 17321934

SHEET 138 OF 468

A-404

DRAWFORM REVISION: 25 AUGUST 2020

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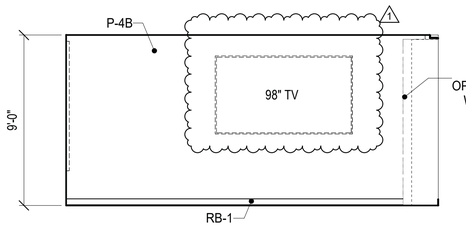

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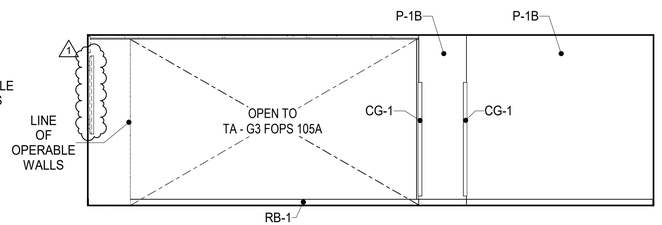

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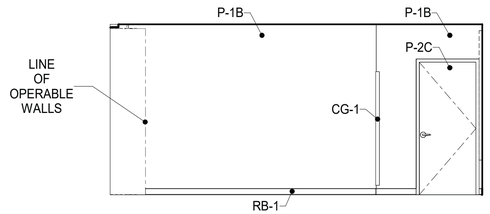

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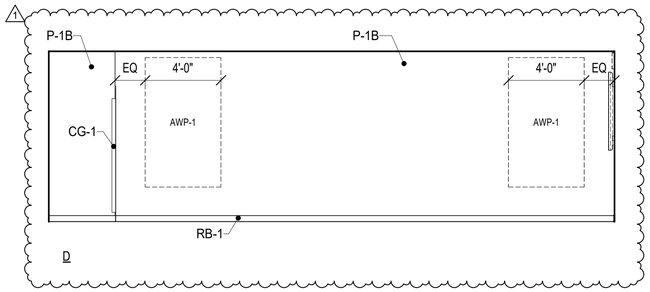
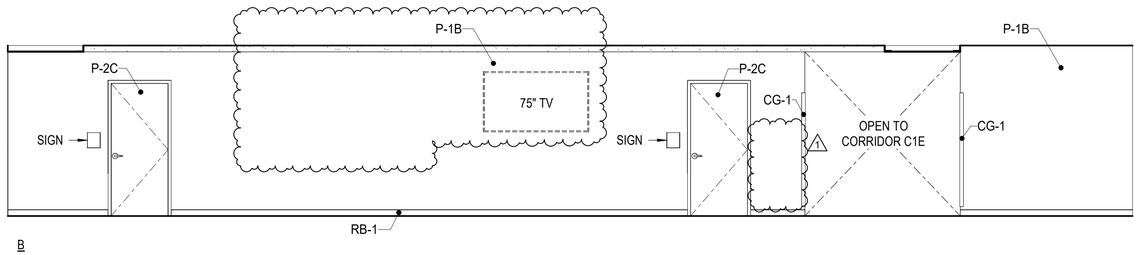


D

C3 TA - G3 FOPS 105B

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



B

B3 LOBBY 1 L1

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

GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED WAFF WALL MOUNTED AV CALLOUTS	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE	3/10/2026		
DES	JG / RLB	DRW	RLB
CHK	JG		
PM/DM	DKS/DMK		
BRANCH MANAGER	KYM		
CHIEF ENG/ARCH	KYM		
FIRE PROTECTION	RYO		

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
INTERIOR ELEVATIONS

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321935
SHEET	139 OF 468

A-405

DRAWFORM REVISION: 25 AUGUST 2020

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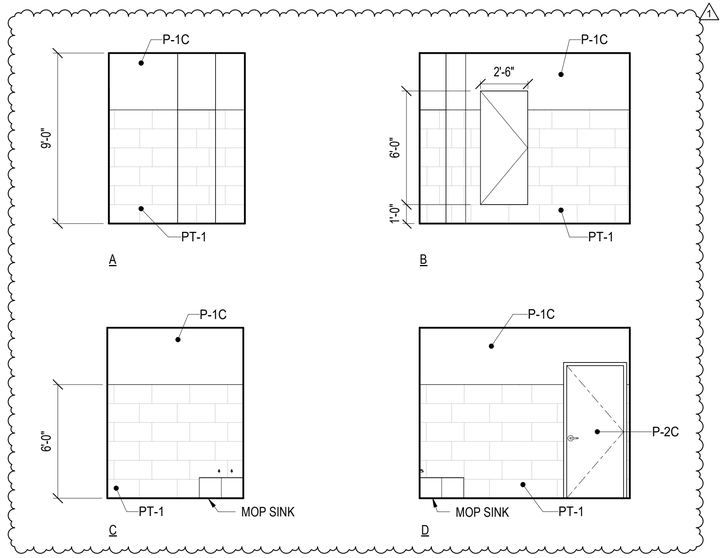
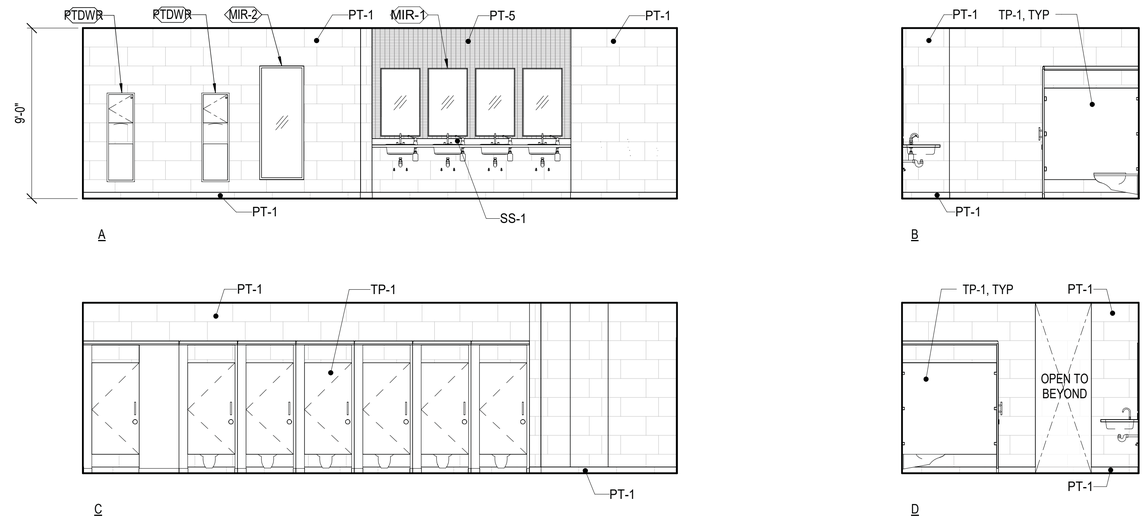


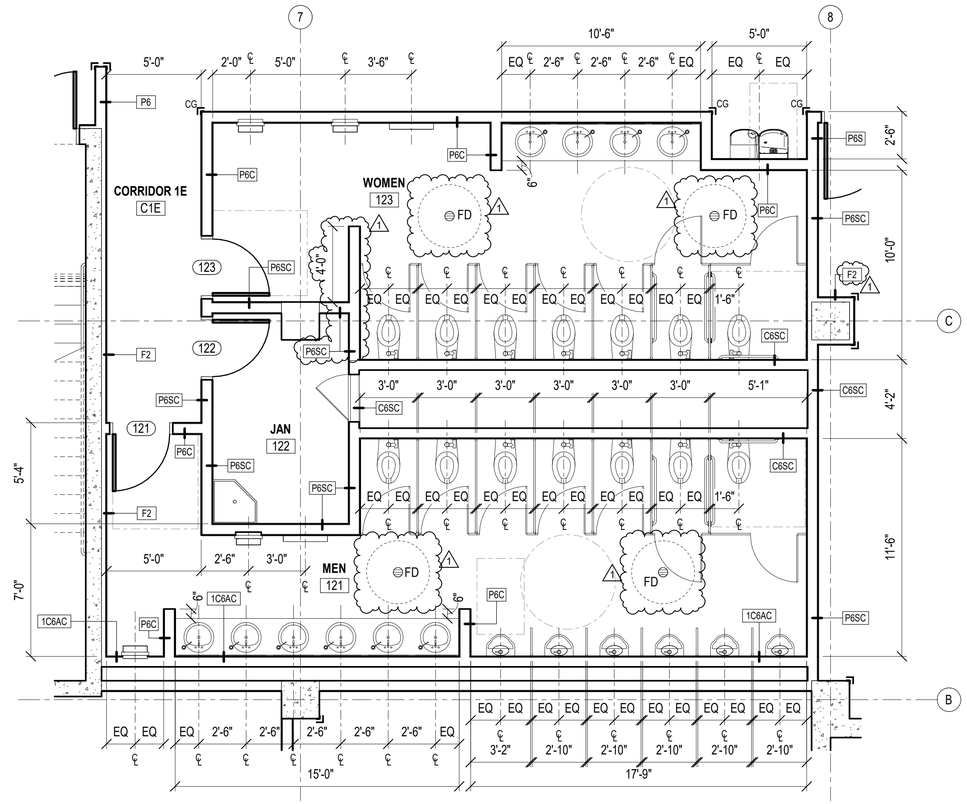
C1 JAN 122

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



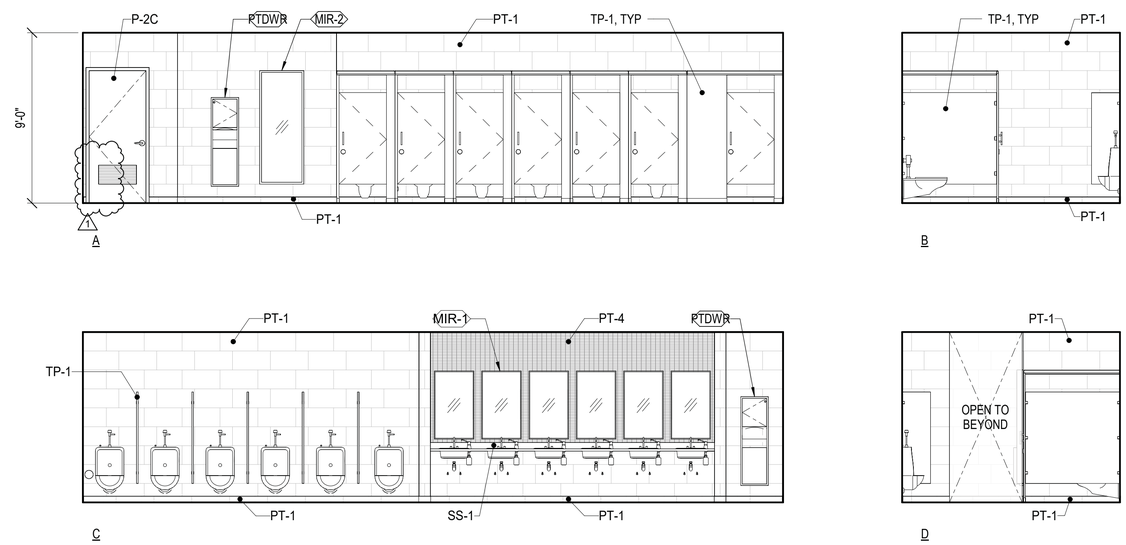
C3 WOMEN 123

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



A1 DETAILED FIRST FLOOR RESTROOM PLAN

SCALE: 1/4" = 1'-0" (A-103)



A3 MEN 121

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

PLAN NORTH

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED FLOOR DRAINS, VARIOUS REVISIONS	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE: 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM: DKS/DMK

BRANCH MANAGER: KYM

CHIEF ENG/ARCH: KYM

FIRE PROTECTION: RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

DETAILED RESTROOM PLANS AND INTERIOR ELEVATIONS

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321936

SHEET 140 OF 468

A-411

DRAWFORM REVISION: 25 AUGUST 2020

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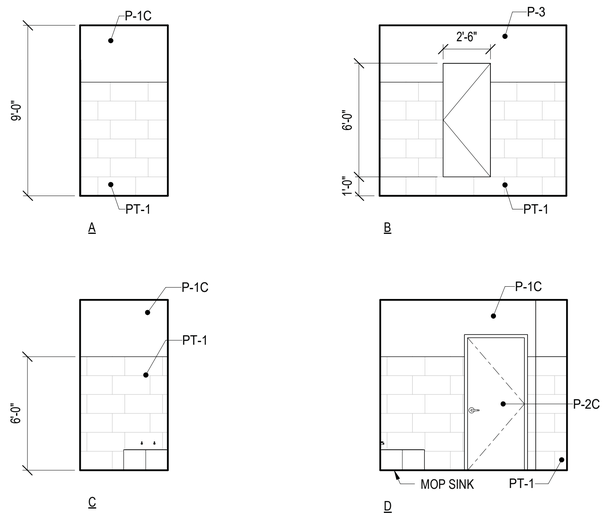
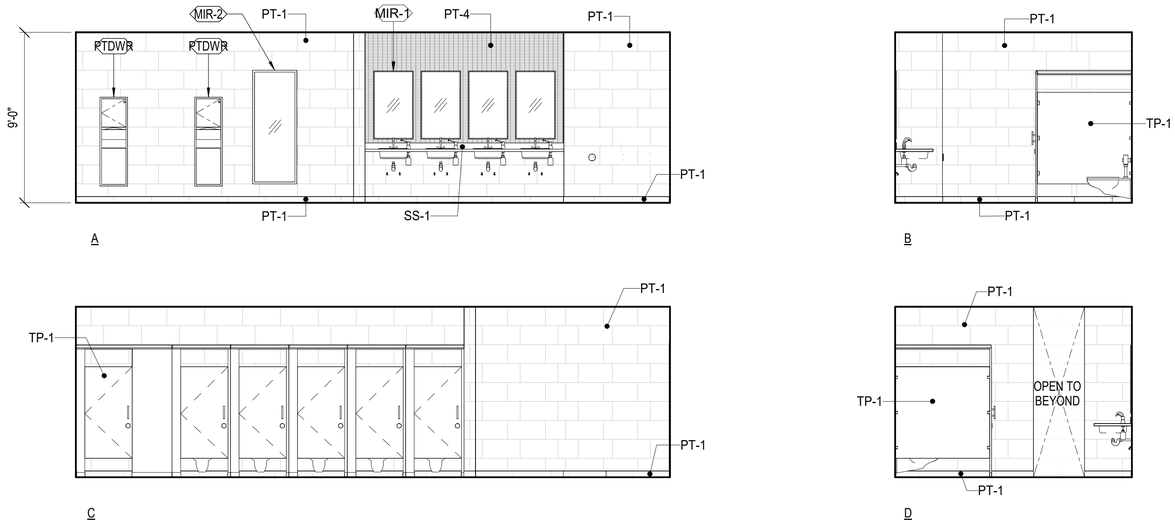
A-411



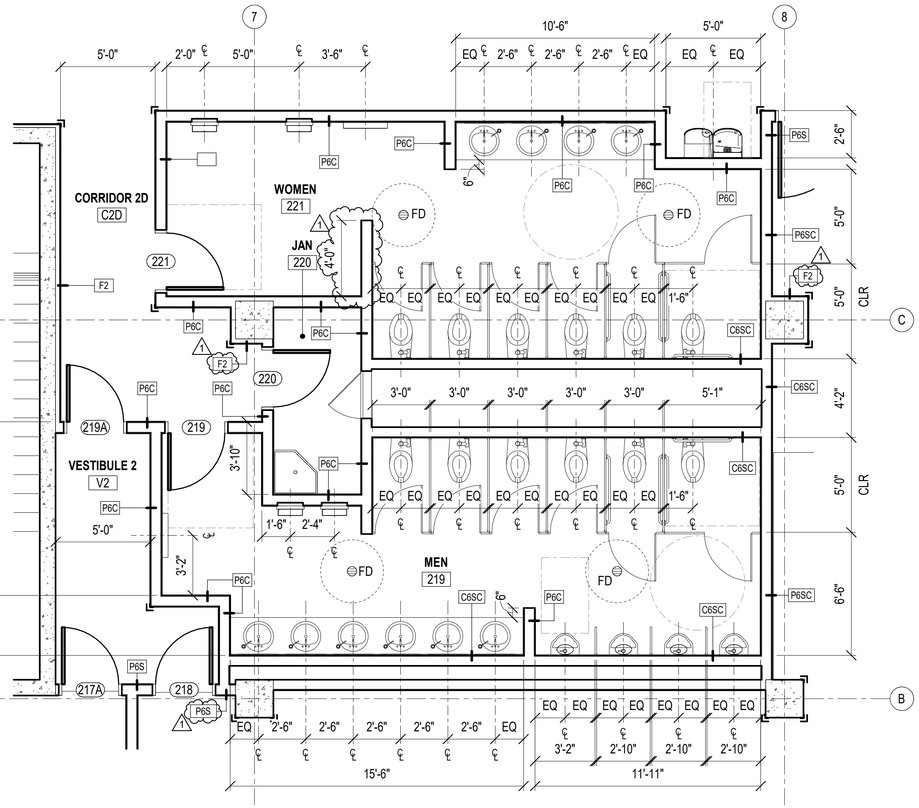
C1 JAN 220

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



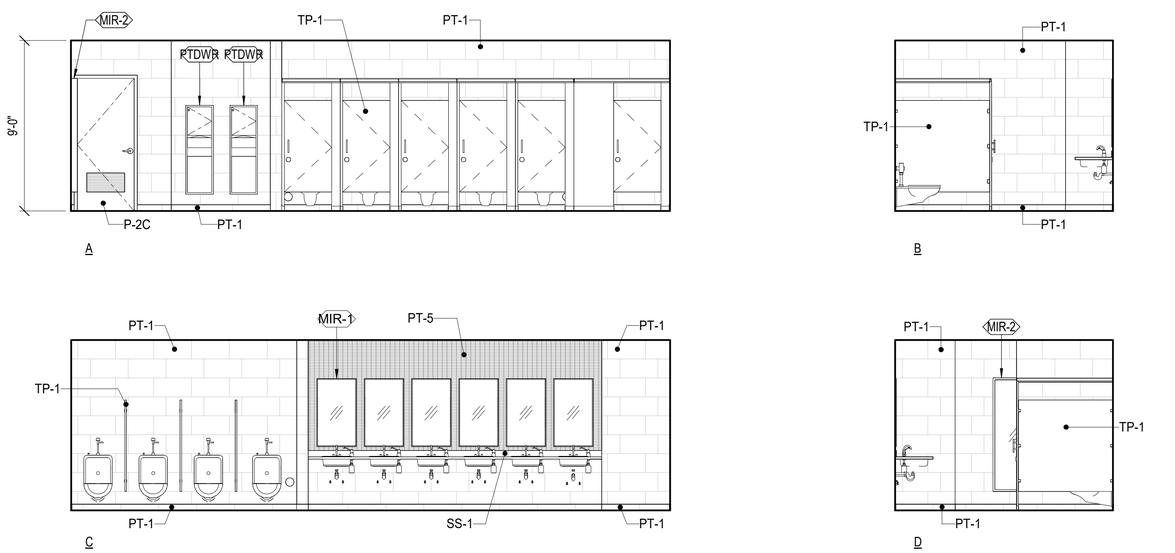
C3 WOMEN 221

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



A1 DETAILED SECOND FLOOR RESTROOM PLAN

SCALE: 1/4" = 1'-0" (A-106)



A3 MEN 219

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

PLAN NORTH

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DIMENSIONS	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26
SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

DETAILED RESTROOM PLANS AND INTERIOR ELEVATIONS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321937
SHEET 141 OF 468

A-412

DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 8:54:10 AM
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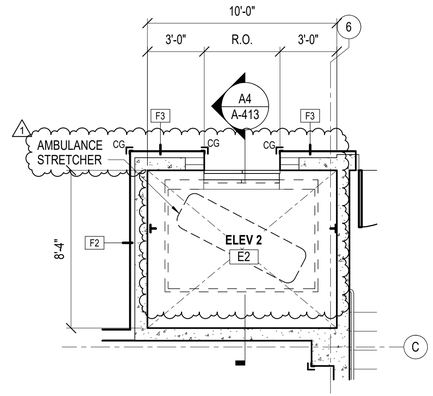
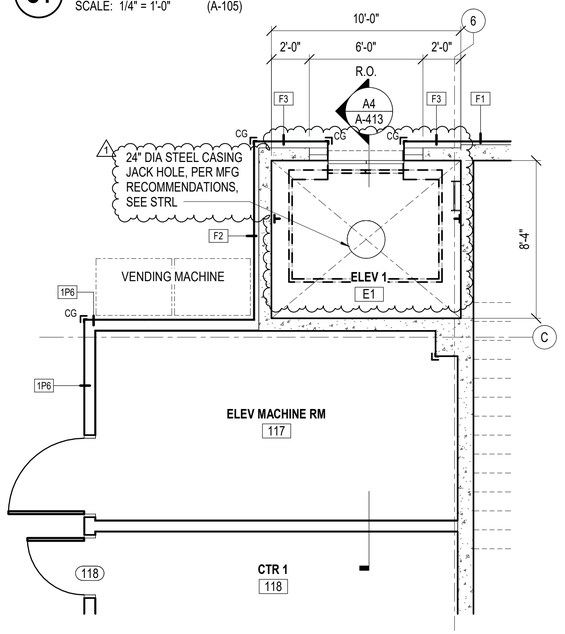
A-412



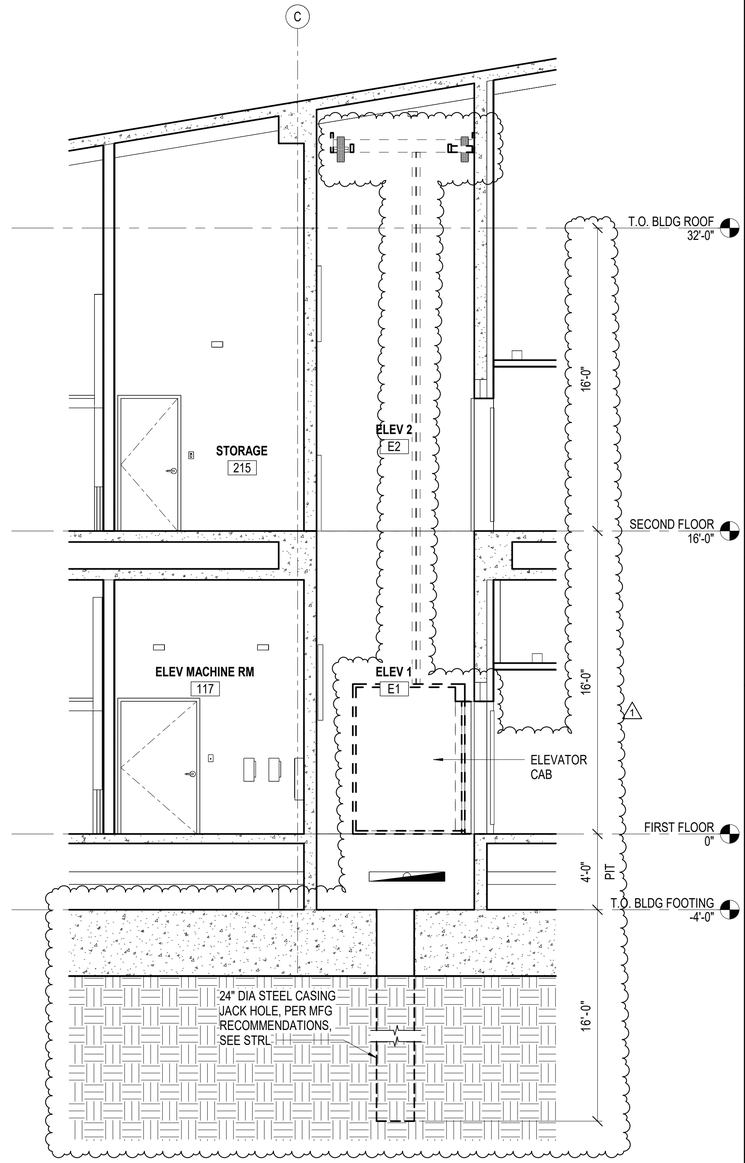
C1 DETAILED SECOND FLOOR ELEVATOR PLAN

SCALE: 1/4" = 1'-0" (A-105)



A3 DETAILED FIRST FLOOR ELEVATOR PLAN

SCALE: 1/4" = 1'-0" (A-102)



A4 ELEVATOR SECTION

SCALE: 1/4" = 1'-0" (A-413)

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED ELEVATOR DETAIL	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

DETAILED ELEVATOR PLANS AND SECTION

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321938

SHEET 142 OF 468

A-413

DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 8:54:11 AM A-413
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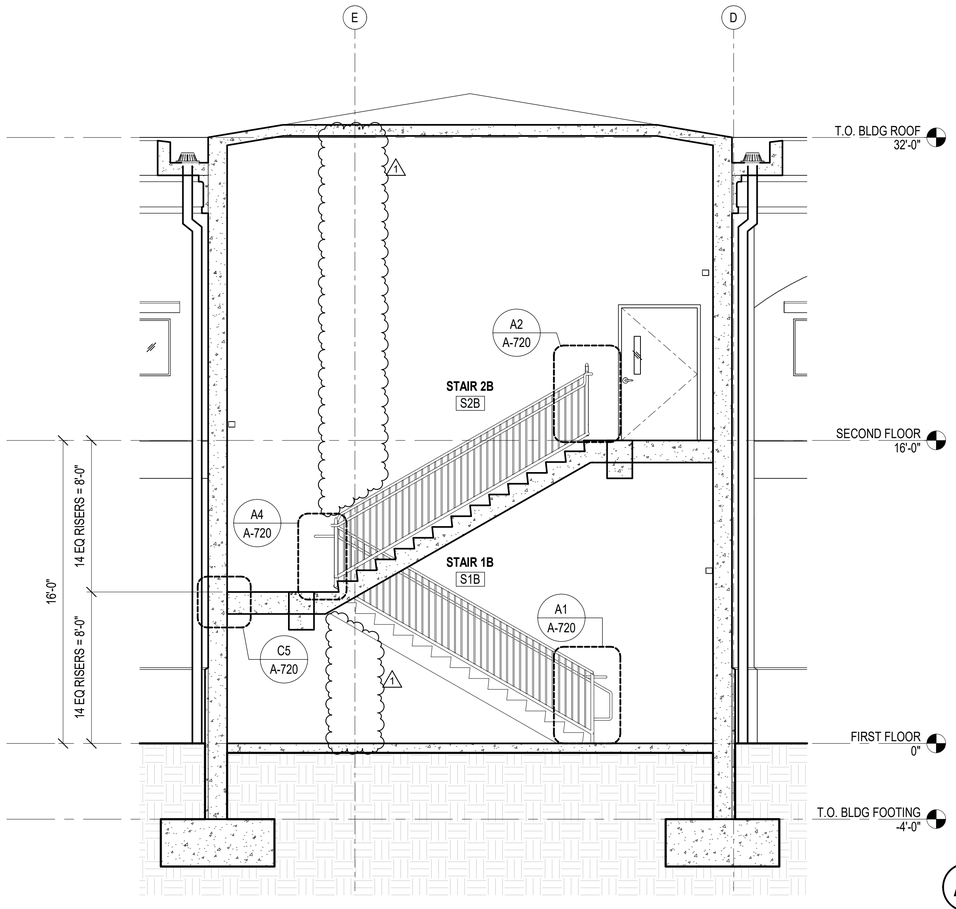
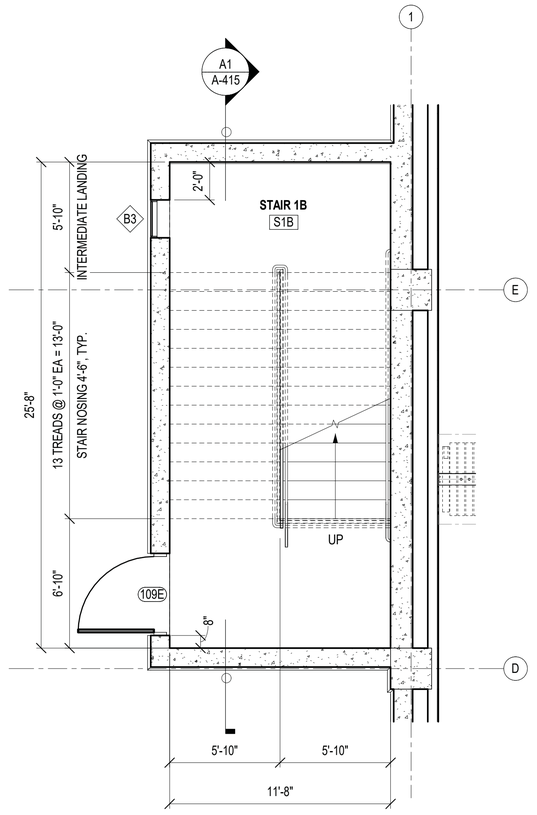
FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	CONC WALL
	PARTITION OR FURRED WALL
X	GRIDLINE
ROOMNAME 101	ROOM NAME AND NUMBER
101	DOOR NUMBER SYMBOL
A1 / A-101	SECTION/ELEVATION
P1	PARTITION TYPE, SEE A-502
A1 / A-101 SIM	DETAIL REFERENCE



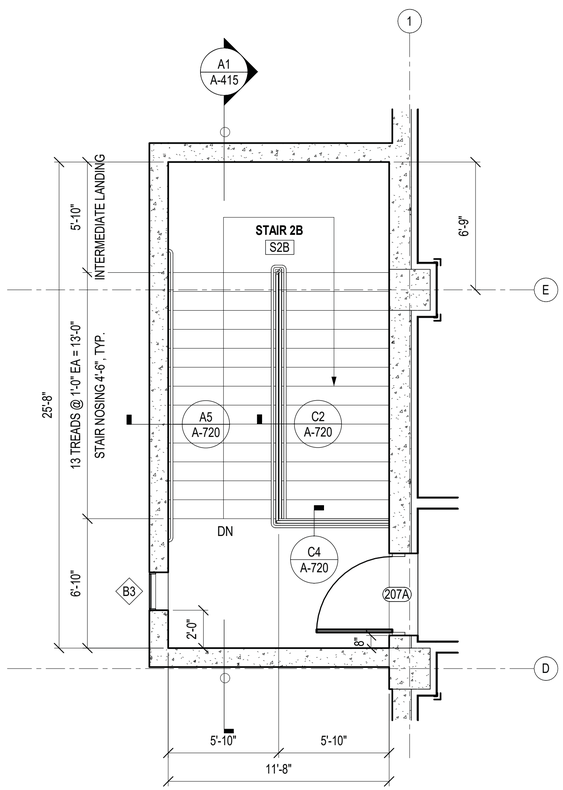
A1 STAIR B SECTION

SCALE: 1/4" = 1'-0" (A-415)



A3 DETAILED STAIR 1B FLOOR PLAN

SCALE: 1/4" = 1'-0" (A-102)



A4 DETAILED STAIR 2B FLOOR PLAN

SCALE: 1/4" = 1'-0" (A-105)

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REMOVED LINES	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

DETAILED STAIR B PLANS AND SECTION

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17321940
SHEET 144 OF 468

A-415

DRAWFORM REVISION: 25 AUGUST 2020

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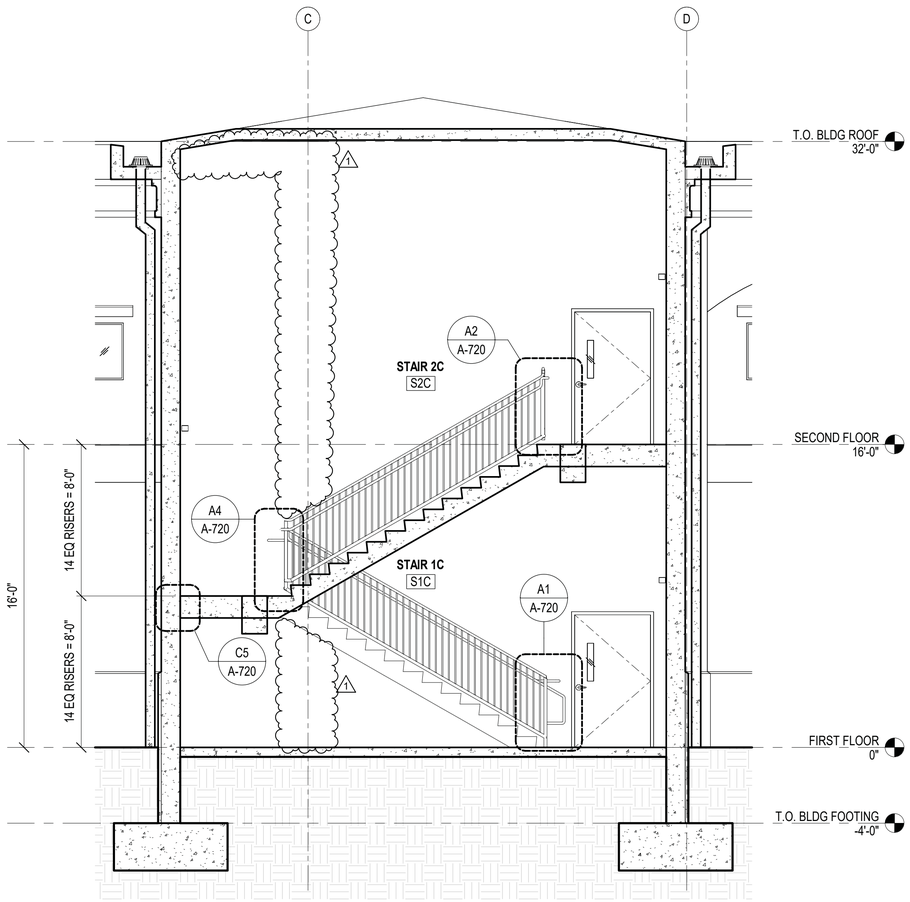
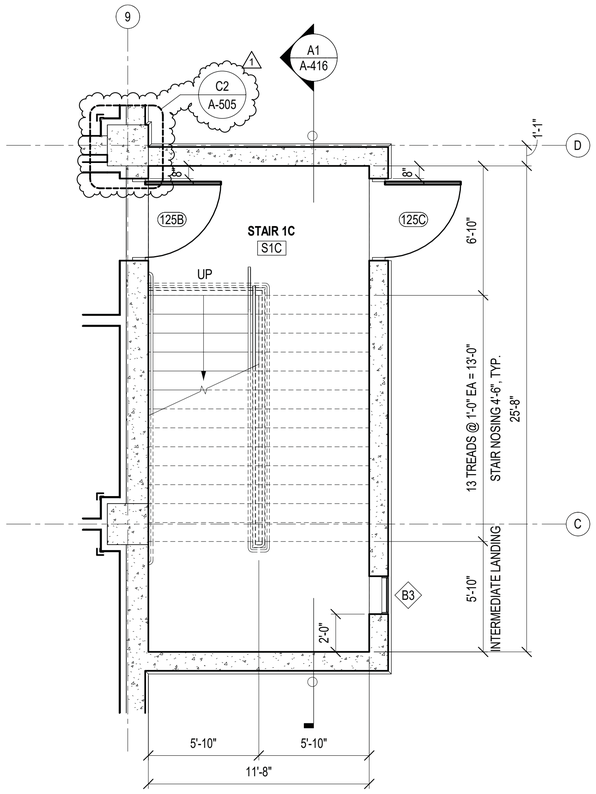
FLOOR PLAN LEGEND

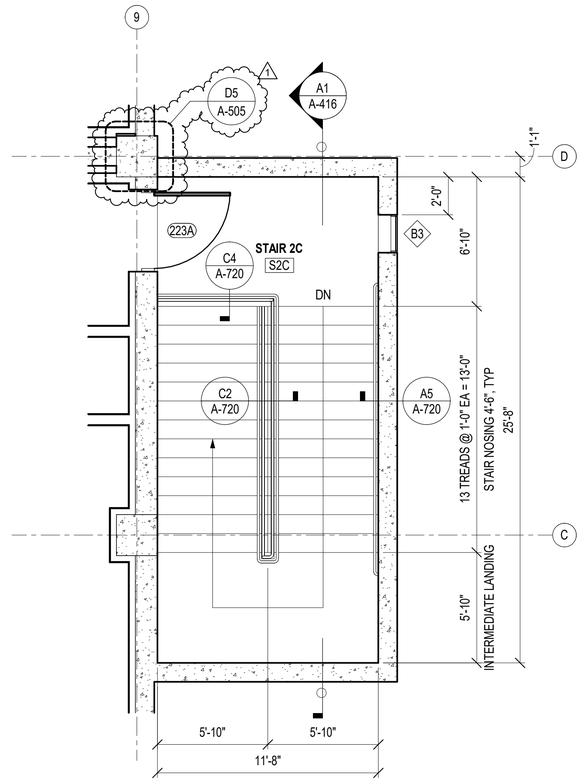
SYMBOL	DESCRIPTION
	CONC WALL
	PARTITION OR FURRED WALL
X	GRIDLINE
ROOMNAME 101	ROOM NAME AND NUMBER
101	DOOR NUMBER SYMBOL
A1 A-101	SECTION/ELEVATION
P1	PARTITION TYPE, SEE A-502
A1 A-101 SIM	DETAIL REFERENCE



A1 STAIR C SECTION
SCALE: 1/4" = 1'-0" (A-416)



A3 DETAILED STAIR 1C FLOOR PLAN
SCALE: 1/4" = 1'-0" (A-103)



A5 DETAILED STAIR 2C FLOOR PLAN
SCALE: 1/4" = 1'-0" (A-106)

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DETAIL CALLOUTS AND REMOVED LINES	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

DETAILED STAIR C PLANS AND SECTION

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321941
SHEET 145 OF 468

A-416

DRAWFORM REVISION: 25 AUGUST 2020

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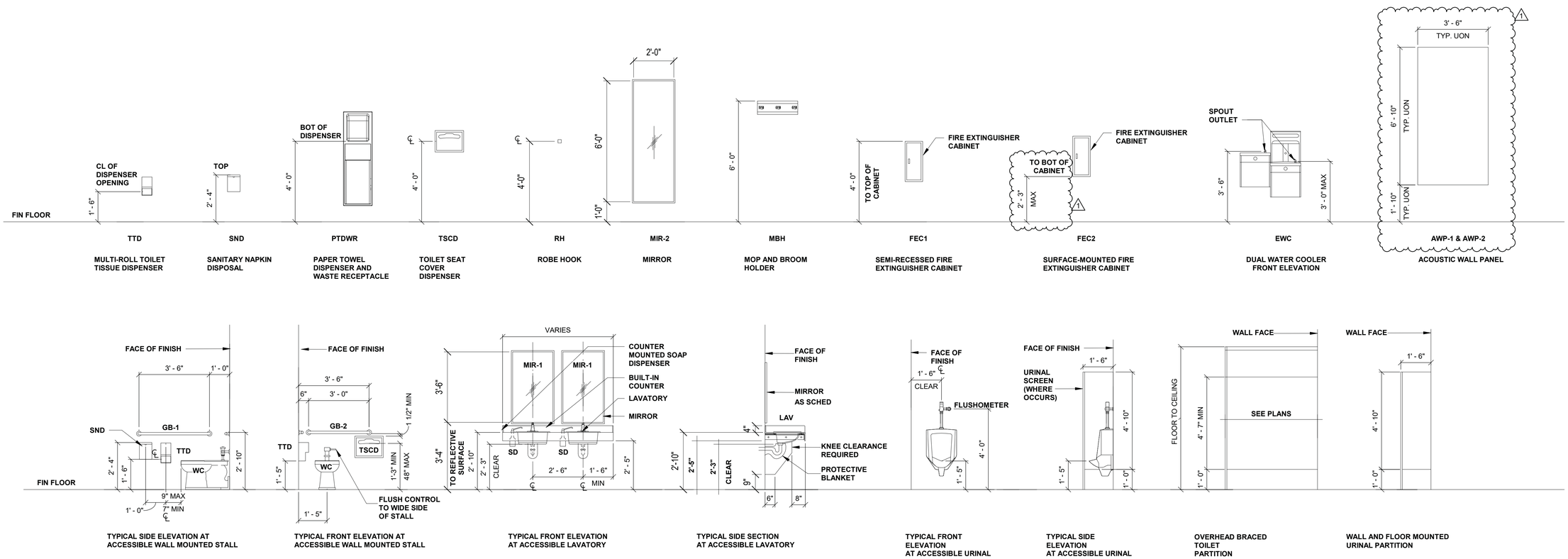

A1 TYPICAL MOUNTING HEIGHT

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

GRAPHIC SCALE(S)

3/8" = 1' - 0" 0 1' 2' 3' 4' 5' 10'

SYM	DESCRIPTION	DATE	APPR
1	REVISED AWP SIZE AND MOUNTING HEIGHT	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26
SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

TYPICAL MOUNTING HEIGHTS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321942
SHEET 146 OF 468

A-501

DRAWFORM REVISION: 25 AUGUST 2020

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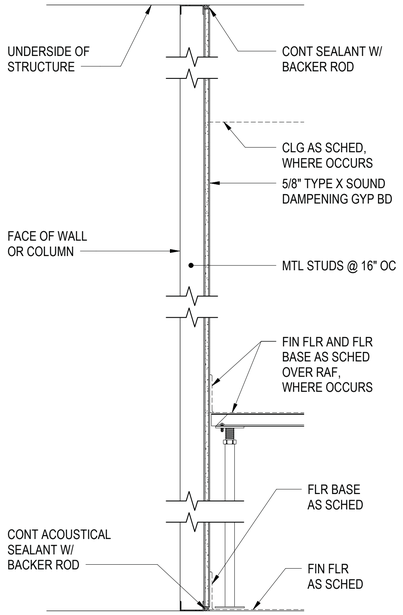
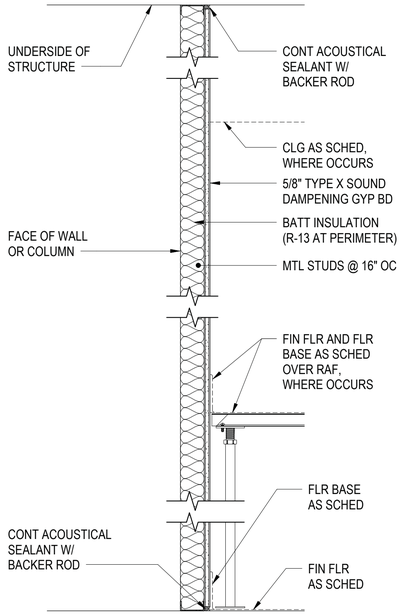
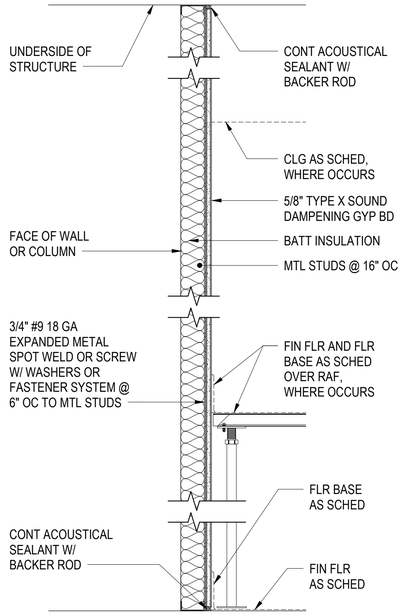
A-501



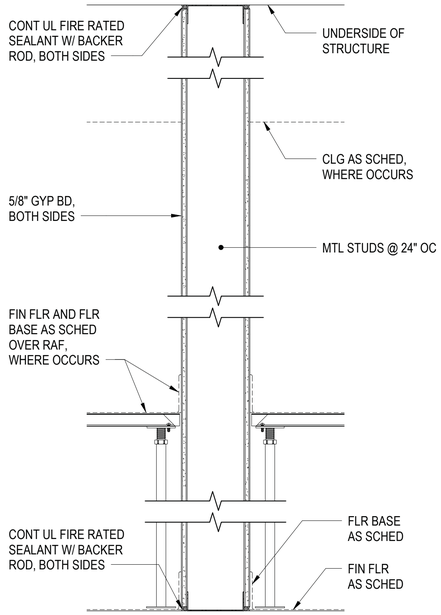
F1
F2
F3
F6



F2A
F2AS 1
F3A
F6A



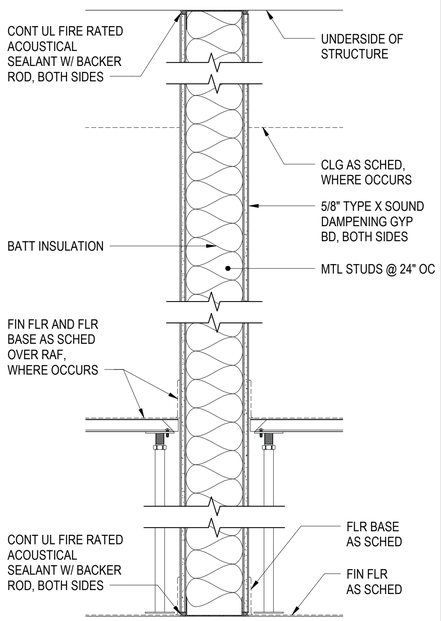
F2AM
F3AM
F6AM



1P6
P6
P6S

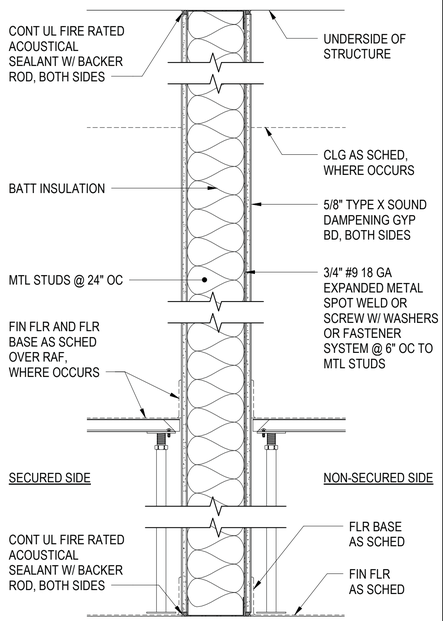
GENERAL SHEET NOTES

1. GYPSUM BOARD IS TYPE 'X', 5/8" THICK UNLESS OTHERWISE NOTED.
2. STAGGER JOINTS ON MULTIPLE LAYERS OF GYPSUM BOARD.
3. ATTACH MULTIPLE LAYERS OF GYPSUM BOARD WITH SCREWS, DO NOT USE ADHESIVE TAPE AND SEAL JOINTS PRIOR TO INSTALLING THE NEXT LAYER.
4. AT ACOUSTICALLY RATED PARTITIONS THAT RECEIVE TILE, REPLACE STANDARD GYPSUM BOARD WITH GLASS-MAT FACED TILE BACKER BOARD.
5. PARTITIONS MUST EXTEND FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE TO ACHIEVE STC VALUES.
6. PENETRATIONS OF THE WALL SHALL BE SEALED AIRTIGHT AT FLOOR, SIDES, CEILING, AND ON BOTH SIDES WITH ACOUSTICAL NON-HARDENING SEALANT. PACK LARGER GAPS WITH MINERAL WOOL INSULATION AND SEAL AIRTIGHT WITH CAULK.
7. WALL OUTLETS FOR DATA, VOICE, VIDEO, POWER, OR OTHER UTILITIES SHALL BE SEPARATED BY AT LEAST ONE STUD CAVITY. FOR JUNCTION BOXES LOCATED IN THE SAME STUD CAVITY MOUNTED ON OPPOSITE SIDES OF THE WALL, SEAL WITH PUTTY PADS ON BACK AND SIDES AND SEAL FRONT WITH NON-HARDENINGCAULK. AVOID BACK-TO-BACK OUTLETS.
8. ELECTRICAL PANELS BOARDS, FIRE EXTINGUISHER CABINETS, OR OTHER SIMILAR RECESSED ELEMENTS SHALL BE WRAPPED WITH GYPSUM BOARD AND ALL GAPS SEALED WITH NON-HARDENING CAULK.
9. PIPING AND DUCTS SHALL NOT CONTACT FRAMING OR GYPSUM BOARD.
10. SINGLE STUD PARTITIONS:
    a. METAL STUD GAUGE/THICKNESS AND STUD SPACING IS CRITICAL FOR ACOUSTICAL PERFORMACE. WHERE HEAVIER STUDS OR NARROWER SPACING IS USED, ADJUSTMENTS TO THE NUMBER OF GYPSUM BOARD LAYERS OR RESILIENT CONNECTION TO STUDS MAY BE NEEDED TO ACHIEVE THE REQUIRED ACOUSTICAL RATINGS.
11. DOUBLE STUD ASSEMBLIES:
    a. PROVIDE A MINIMUM 1-INCH AIRSPACE BETWEEN THE TWO STUD ROWS.
    b. NO ELEMENTS SHALL BRIDGE OR RIGIDLY CONNECT THE TWO STUD ROWS TOGETHER IN A DUAL-STUD ASSEMBLY. BRIDGING ELEMENTS INCLUDE PIPING, CONDUIT, CROSS-BRACING, LATERAL BRACING, AND GUSSETS.
12. HOLLOW METAL ACOUSTICAL DOOR AND WINDOW FRAMES SHALL BE PACKED FULL WITH MINERAL WOOL OR GROUT.
13. REFER TO SPECIFICATION SECTION 09 22 00 FOR METAL STUD GAUGES.



1P6A
P6A
P6AS

STC 50 (UL DESIGN NO. U465)



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P6AM
P6ASM

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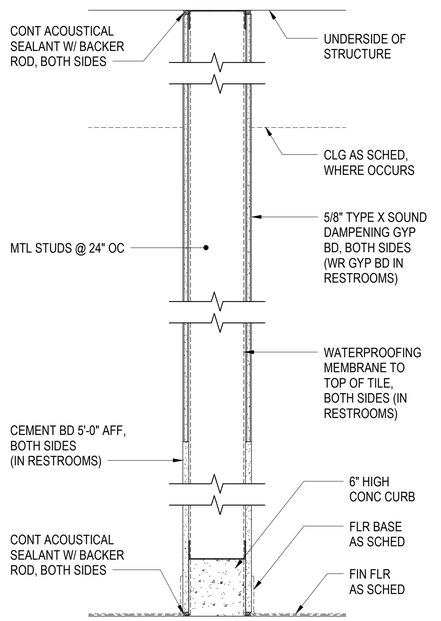
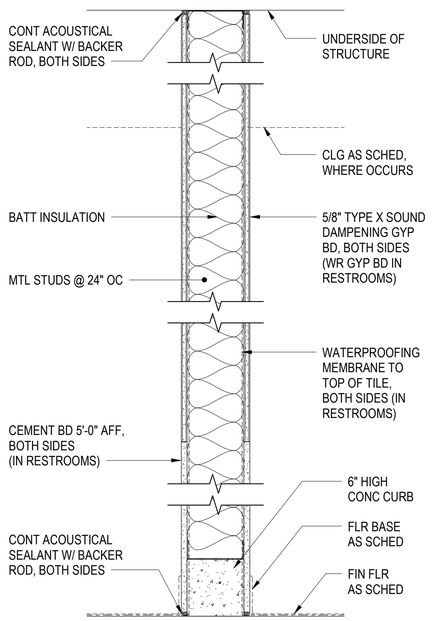


P6C
P6SC



P6AC
P6ASC

STC 50

PARTITION LEGEND

CONSTRUCTION TYPE — STUD SIZE CODE
WALL FIRE RATING — MODIFICATION(S)
1P6A

WALL FIRE RATING

1	1 HOUR

NOTE: BLANK INDICATES NO FIRE RATING

CONSTRUCTION TYPE

F	FURRING
P	BASIC PARTITION
C	CHASE WALL
WM	WIRE MESH

STUD SIZE CODE

1	1-5/8" METAL STUDS
2	2-1/2" METAL STUDS
3	3-5/8" METAL STUDS
6	6" METAL STUDS

NOTE: BLANK INDICATES NO STUD SIZE CODE

MODIFICATION(S)

A	ACOUSTIC RATED
C	W/ CONC CURB
AC	ACOUSTIC RATED W/ CONC CURB
AS	ACOUSTIC AND SMOKE RATED
ASC	ACOUSTIC AND SMOKE RATED W/ CONC CURB
S	SMOKE RATED
SC	SMOKE RATED W/ CONC CURB
AM	ACOUSTIC RATED W/ SECURITY MESH
ASM	ACOUSTIC AND SMOKE RATED W/ SECURITY MESH

NOTE: BLANK INDICATES NO MODIFICATION(S)

GRAPHIC SCALE(S)

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

SYM	DESCRIPTION	DATE	APPR
1	ADDED PARTITION LABEL	4/27/26	

NAVFAC

MYLES M. MICHIBATA — LICENSED PROFESSIONAL ARCHITECT — No. 12367 — HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB
CHK	JG		
PM/DM			DKS/DMK
BRANCH MANAGER			KYM
CHIEF ENG/ARCH			KYM
FIRE PROTECTION			RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

PARTITION TYPES

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17321943
SHEET 147 OF 468

A-502

DRAWFORM REVISION: 25 AUGUST 2020

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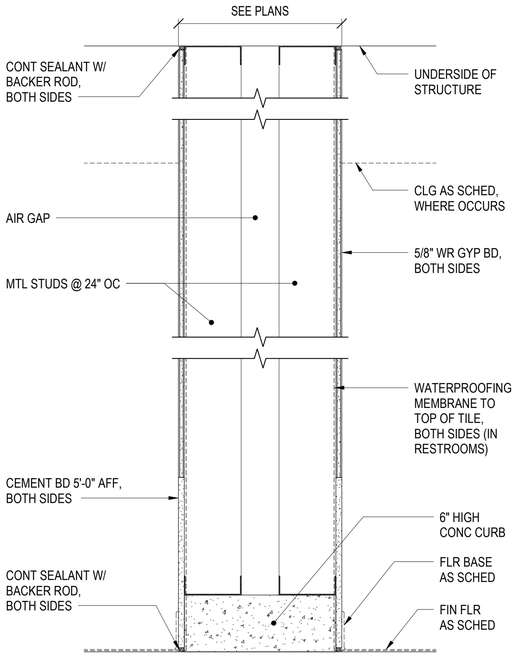

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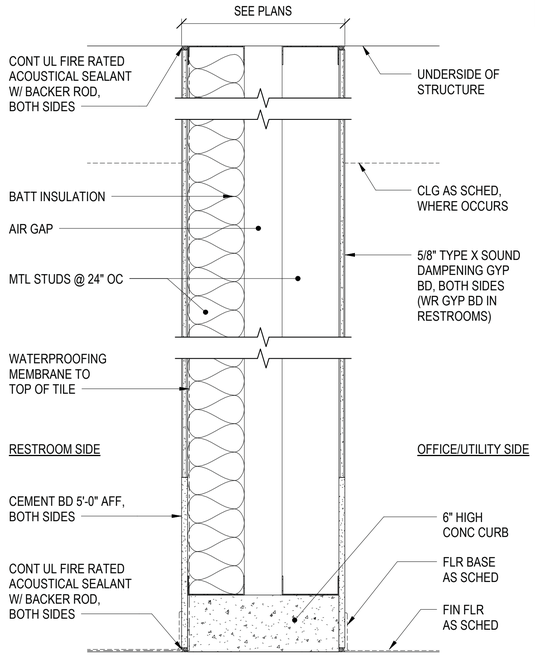

1C6AC

STC 50
(UL DESIGN NO. U493)

GENERAL SHEET NOTES

1. GYPSUM BOARD IS TYPE 'X', 5/8" THICK UNLESS OTHERWISE NOTED.
2. STAGGER JOINTS ON MULTIPLE LAYERS OF GYPSUM BOARD.
3. ATTACH MULTIPLE LAYERS OF GYPSUM BOARD WITH SCREWS, DO NOT USE ADHESIVE TAPE AND SEAL JOINTS PRIOR TO INSTALLING THE NEXT LAYER.
4. AT ACOUSTICALLY RATED PARTITIONS THAT RECEIVE TILE, REPLACE STANDARD GYPSUM BOARD WITH GLASS-MAT FACED TILE BACKER BOARD.
5. PARTITIONS MUST EXTEND FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE TO ACHIEVE STC VALUES.
6. PENETRATIONS OF THE WALL SHALL BE SEALED AIRTIGHT AT FLOOR, SIDES, CEILING, AND ON BOTH SIDES WITH ACOUSTICAL NON-HARDENING SEALANT. PACK LARGER GAPS WITH MINERAL WOOL INSULATION AND SEAL AIRTIGHT WITH CAULK.
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11. DOUBLE STUD ASSEMBLIES:
    a. PROVIDE A MINIMUM 1-INCH AIRSPACE BETWEEN THE TWO STUD ROWS.
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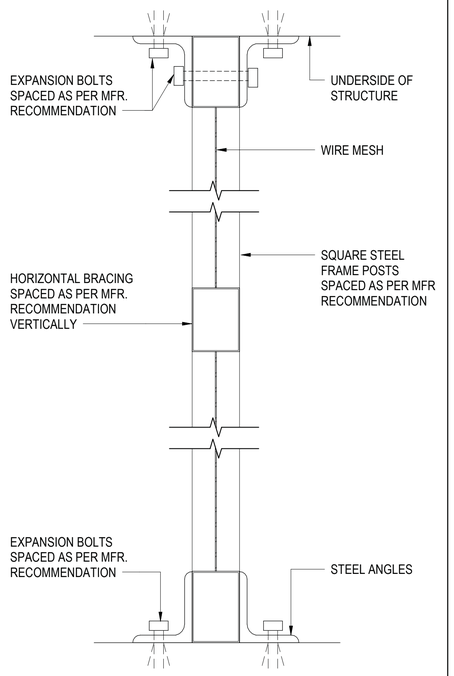
13. REFER TO SPECIFICATION SECTION 09 22 00 FOR METAL STUD GAUGES.



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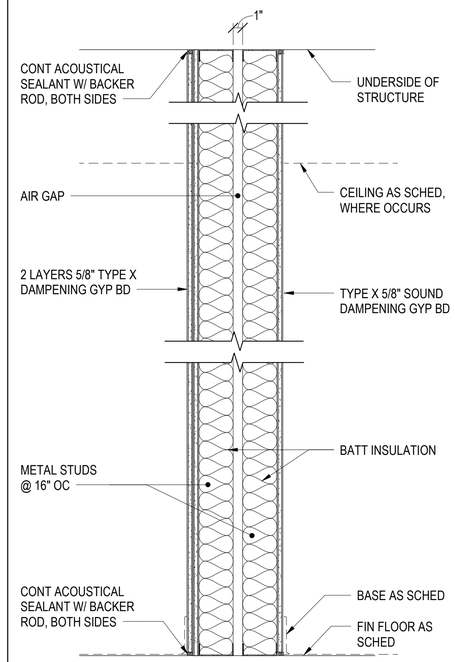
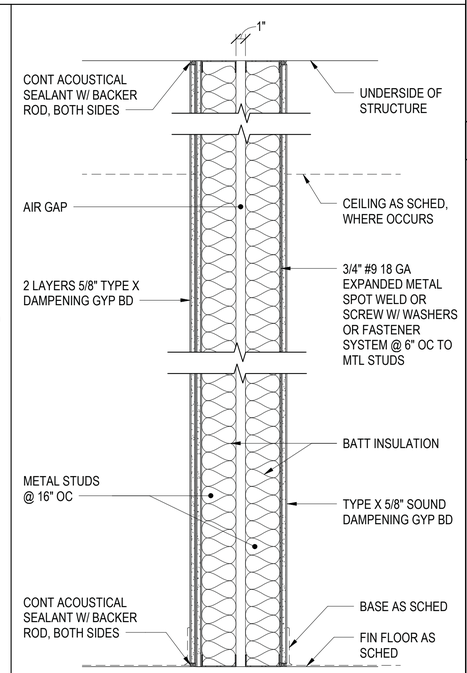


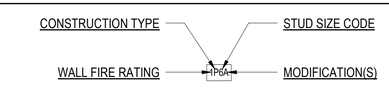
C3AS

STC 60



STC 60

PARTITION LEGEND



WALL FIRE RATING

1	1 HOUR

NOTE: BLANK INDICATES NO FIRE RATING

CONSTRUCTION TYPE

F	FURRING
P	BASIC PARTITION
C	CHASE WALL
WM	WIRE MESH

STUD SIZE CODE

1	1-5/8" METAL STUDS
2	2-1/2" METAL STUDS
3	3-5/8" METAL STUDS
6	6" METAL STUDS

NOTE: BLANK INDICATES NO STUD SIZE CODE

MODIFICATION(S)

A	ACOUSTIC RATED
C	W/ CONC CURB
AC	ACOUSTIC RATED W/ CONC CURB
AS	ACOUSTIC AND SMOKE RATED
ASC	ACOUSTIC AND SMOKE RATED W/ CONC CURB
S	SMOKE RATED
SC	SMOKE RATED W/ CONC CURB
AM	ACOUSTIC RATED W/ SECURITY MESH
ASM	ACOUSTIC AND SMOKE RATED W/ SECURITY MESH

NOTE: BLANK INDICATES NO MODIFICATION(S)

GRAPHIC SCALE(S)

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

SYM	DESCRIPTION	DATE	APPR
1	ADDED PARTITION LABEL	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD L.L.C. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB	CHK	JG
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
PARTITION TYPES

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321944
SHEET 148 OF 468

A-503

DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 8:54:13 AM A-503
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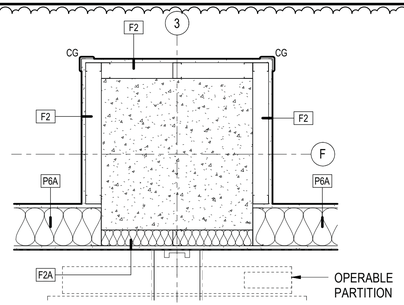

D1 COLUMN DETAIL
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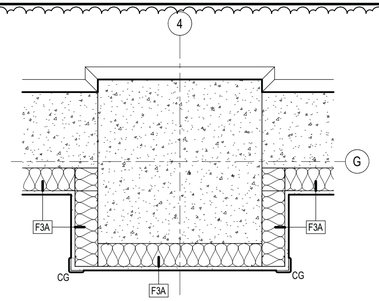

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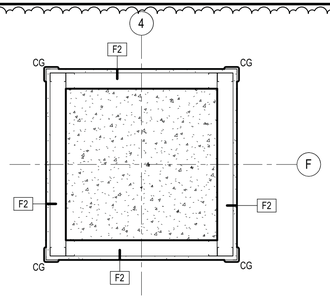

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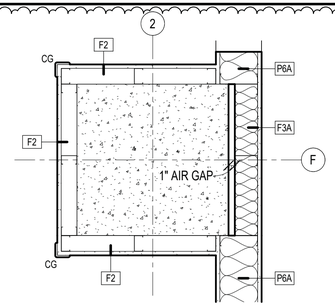

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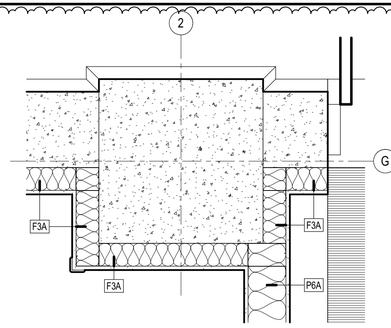

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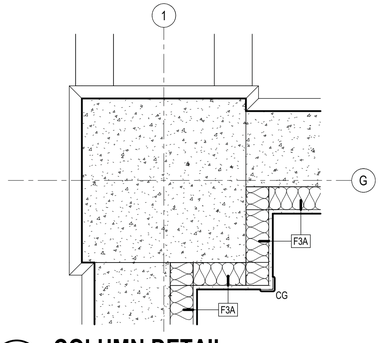

C1 COLUMN DETAIL
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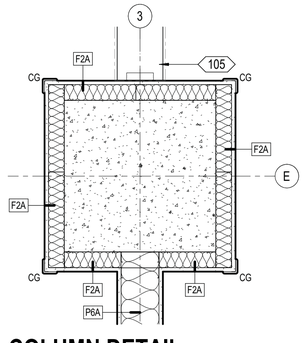

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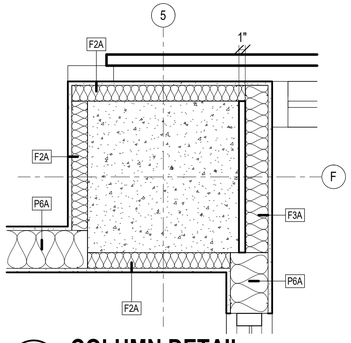

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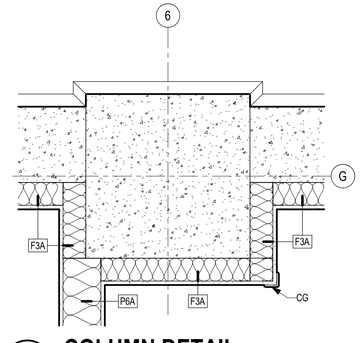

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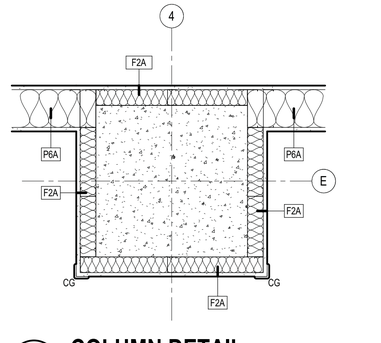

C5 COLUMN DETAIL
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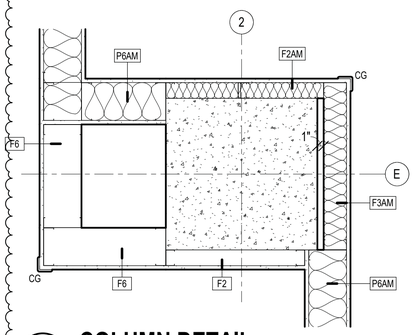

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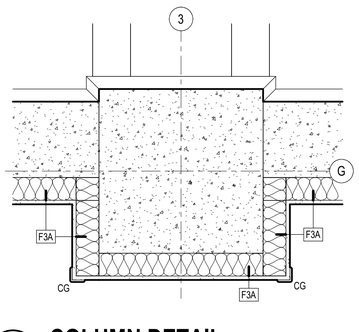

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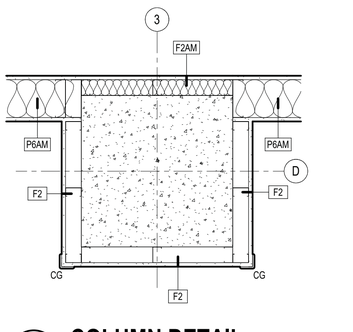

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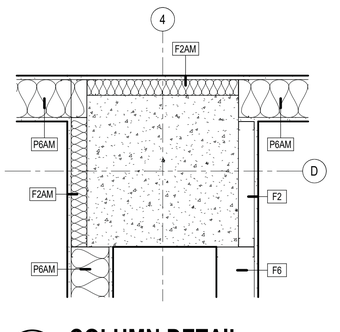

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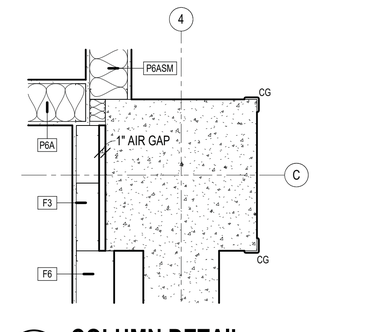

B5 COLUMN DETAIL
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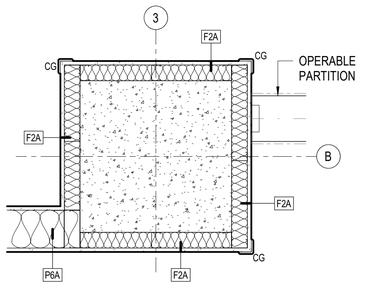

A1 COLUMN DETAIL
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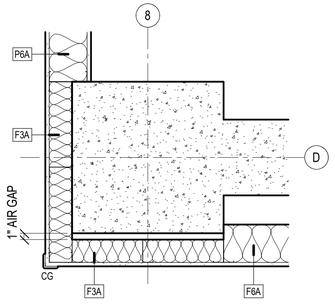

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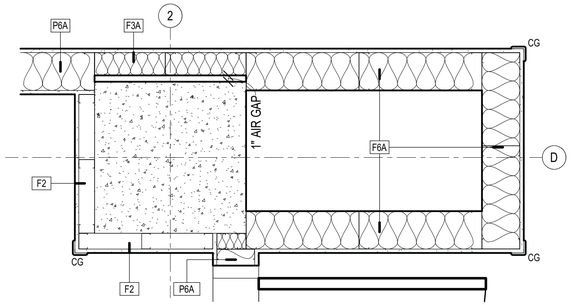

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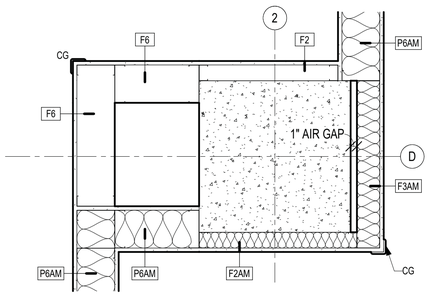

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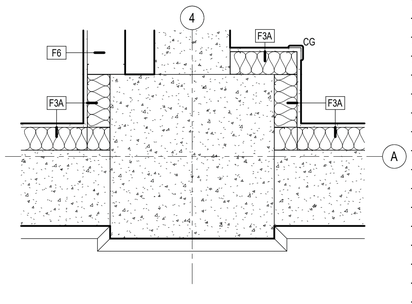

A5 COLUMN DETAIL
SCALE: 1" = 1'-0" (A-102)

SYM	DESCRIPTION	DATE	APPR
1	REVISED DETAILS	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB	CHK	JG
PM/DM			DKS/DMK		
BRANCH MANAGER			KYM		
CHIEF ENG/ARCH			KYM		
FIRE PROTECTION			RYO		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

COLUMN DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321945
SHEET 149 OF 468

A-504

DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 9:26:59 AM
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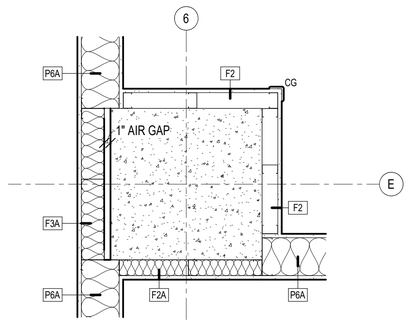
A-504



D1 **COLUMN DETAIL**
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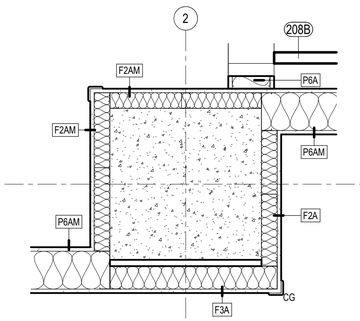

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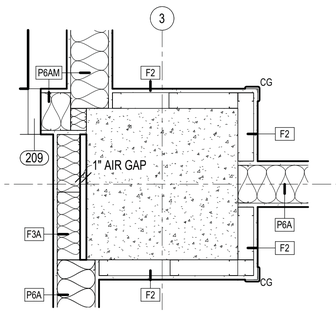

D3 **COLUMN DETAIL**
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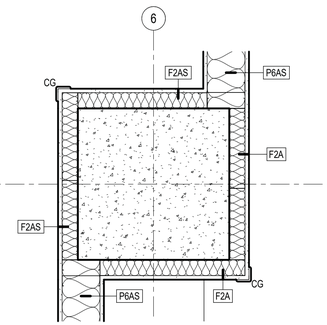

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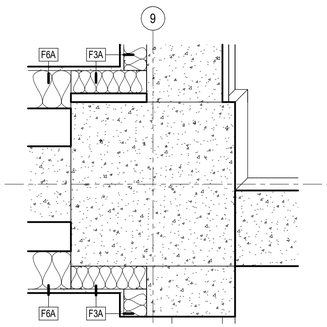

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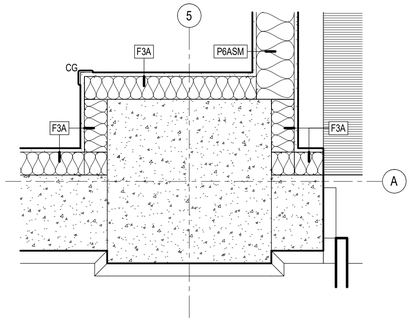

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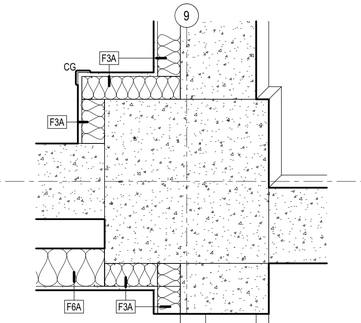

C2 **COLUMN DETAIL**
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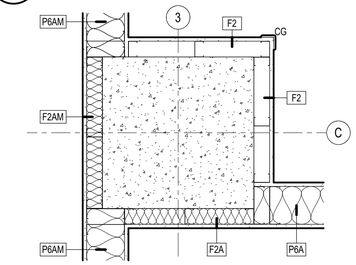

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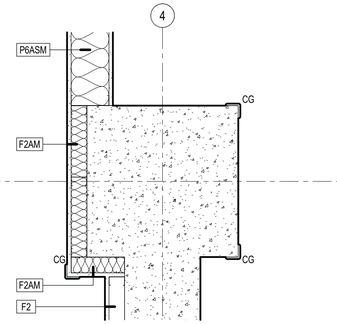

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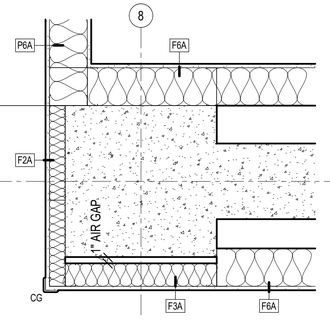

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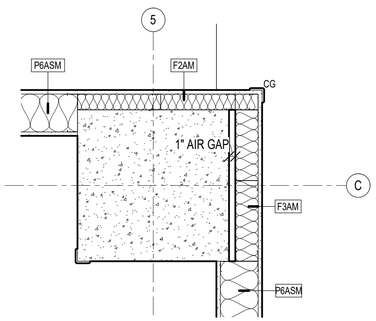

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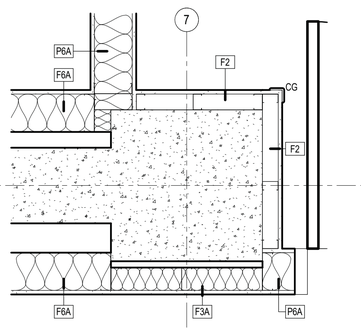

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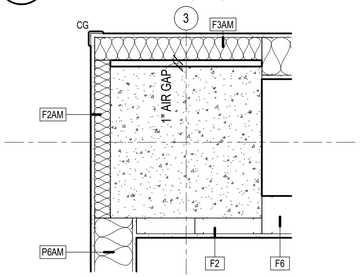

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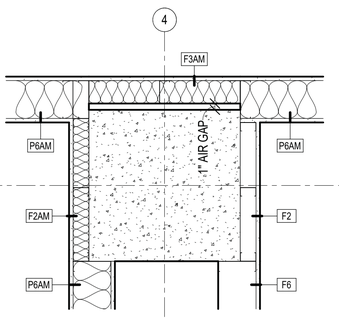

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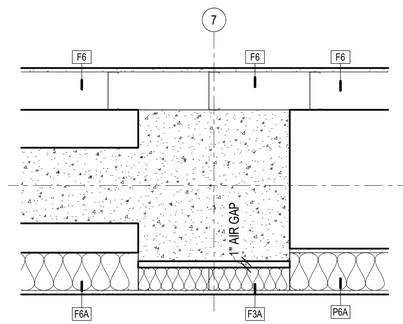

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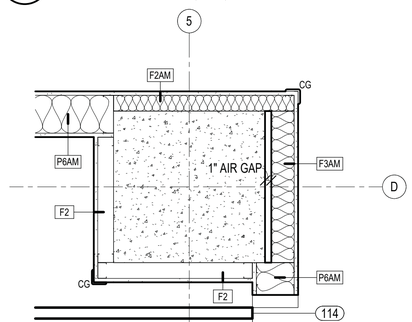

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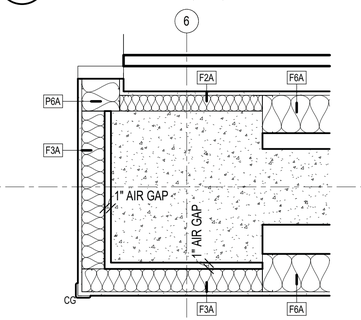
SCALE: 1" = 1'-0" (A-102)



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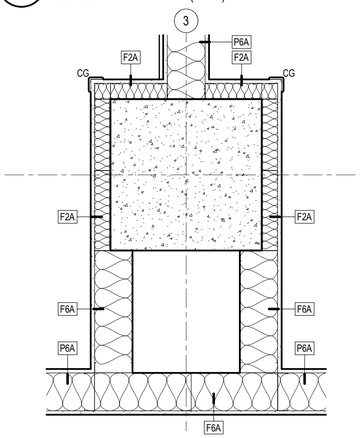

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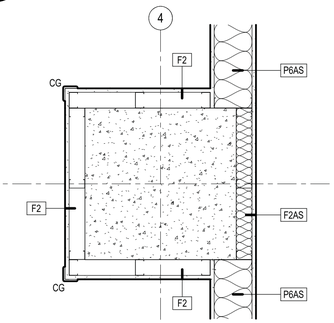

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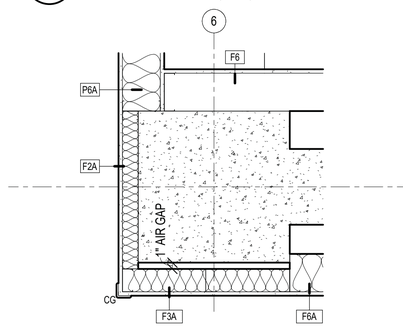

A5 **COLUMN DETAIL**
SCALE: 1" = 1'-0" (A-106)

SYM	DESCRIPTION	DATE	APPR
1	ADDED SHEET	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

AE INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE	3/10/2026
DES JG / RLB DRW RLB	CHK JG
PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
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MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
COLUMN DETAILS - ADDED SHEET

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321983
SHEET	OF 468

A-505
DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 2:56:11 PM
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A-505

DOOR SCHEDULE

NO.	TYPE	DOOR PANEL SIZE W	DOOR PANEL SIZE H	DOOR PANEL MATERIAL	DOOR PANEL GLAZING	DOOR PANEL STC	DOOR FRAME MATERIAL	DOOR FRAME DETAILS HEAD	DOOR FRAME DETAILS JAMB	DOOR FRAME DETAILS THRESHOLD	FIRE RATING	HDW SET NO.	REMARKS
FIRST FLOOR													
101A	B1	6'-0"	7'-0"	HM	GL-1	-	HM	C3/A-604	A3/A-604	B3/A-604	-	13.0	1
101B	B1	6'-0"	7'-0"	HM	GL-1	-	HM	C3/A-604	A3/A-604	B3/A-604	-	12.0	
101C	C	3'-0"	7'-0"	AL	GL-2	-	AL	B2/A-604	A2/A-604	D5/A-605	-	9.0 (1)	
101D	C	3'-0"	7'-0"	AL	GL-2	-	AL	B2/A-604	A2/A-604	D5/A-605	-	10.0	
101E	D	6'-0"	7'-0"	AL	GL-2	-	AL	B2/A-604	A2/A-604	D5/A-605	-	7.0	2
101F	D	6'-0"	7'-0"	AL	GL-2	-	AL	B2/A-604	A2/A-604	D5/A-605	-	6.0	1, 2
102	A	3'-0"	7'-0"	SC	-	-	HM	D5/A-604	D5/A-604	C1/A-605	-	32.1	2
103	C	3'-0"	7'-0"	AL	GL-2	35	HM	B2/A-604	A2/A-604	C3/A-605	-	8.0	
104	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C3/A-605	-	40.0	
105A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
105B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
106	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
107	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
107A	A1	3'-0"	7'-0"	SC	GL-2	-	HM	D5/A-604	D5/A-604	B4/A-605	-	30.1	3, 7
107B	A	3'-0"	7'-0"	AL	-	-	AL	C3/A-604	A3/A-604	B3/A-604	-	17.0	3
108A	A	3'-0"	7'-0"	SC	-	50	HM	C5/A-604	C5/A-604	C5/A-605	-	19.0	4
108B	A	3'-0"	7'-0"	SC	-	50	HM	C5/A-604	C5/A-604	C5/A-605	-	19.0	4
109	A1	3'-0"	7'-0"	HM	GL-5	50	HM	C5/A-604	C5/A-604	C4/A-605	45 MIN	19.1	2 (1)
109A	A1	3'-0"	7'-0"	SC	GL-2	-	HM	D5/A-604	D5/A-604	A4/A-605	-	20.0	4
109B	A	3'-0"	7'-0"	HM	-	50	HM	C3/A-604	A1/A-605	B3/A-604	45 MIN	16.1	
109C	E	10'-0"	11'-0"	STL	-	-	STL	D3/A-606	A4/A-606	B4/A-606	-	1.0	
109D	E	10'-0"	11'-0"	STL	-	-	STL	D3/A-606	A4/A-606	B4/A-606	-	1.0	
109E	A	4'-0"	7'-0"	AL	-	-	AL	B3/A-604	B3/A-604	B3/A-604	-	16.0	3, 7
110A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
110B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
111	A	3'-0"	7'-0"	SC	-	50	HM	C5/A-604	C5/A-604	C5/A-605	-	19.0	4
111A	A1	3'-0"	7'-0"	SC	GL-2	-	HM	D5/A-604	D5/A-604	C2/A-605	-	20.1 (1)	3, 7
111B	A	3'-0"	7'-0"	AL	-	50	AL	C3/A-604	A3/A-604	C3/A-605	-	17.0	3
112	B	6'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	B3/A-605	-	27.1	2, 6
113	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	40.0	
114	A	3'-0"	7'-0"	HM	-	50	HM	C5/A-604	C5/A-604	C4/A-605	-	21.0	5
115	A	3'-0"	7'-0"	HM	-	45	HM	C5/A-604	C5/A-604	C5/A-605	-	22.0	4, 6
116	A	3'-0"	7'-0"	HM	-	45	HM	C5/A-604	C5/A-604	C5/A-605	-	22.0	4, 6
116A	B1	6'-0"	7'-0"	SC	GL-2	-	HM	D5/A-604	D5/A-604	A5/A-605	-	26.0	2
116B	B	6'-0"	7'-0"	AL	-	-	AL	C3/A-604	A3/A-604	B3/A-604	-	11.0	3
117A	A	4'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	A1/A-605	45 MIN	32.0	2 (1)
117B	B1	6'-0"	7'-0"	HM	GL-5	-	HM	A5/A-604	A5/A-604	A3/A-605	60 MIN	24.0	3
118	A	3'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	A1/A-605	-	37.0	
119	B	6'-0"	7'-0"	AL	-	-	AL	C3/A-604	A3/A-604	B3/A-604	-	14.0	2
120	A	3'-0"	7'-0"	HM	-	-	HM	C3/A-604	A3/A-604	B3/A-604	45 MIN	18.0	2
120A	B	6'-0"	7'-0"	HM	-	-	HM	C3/A-604	A3/A-604	B3/A-604	45 MIN	14.0	2
121	A	3'-0"	7'-0"	SC	-	-	HM	D5/A-604	D5/A-604	D3/A-605 (1)	-	44.0	
122	A	3'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	A3/A-605	-	33.0	6
123	A	3'-0"	7'-0"	SC	-	-	HM	D5/A-604	D5/A-604	D3/A-605 (1)	-	44.0	
124	A	4'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	A2/A-605	-	36.0	6
125	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C3/A-605	-	40.0	
125A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C3/A-605	-	42.0	
125B	A1	4'-0"	7'-0"	HM	GL-5	-	HM	B5/A-604	B5/A-604	A3/A-605	60 MIN	31.0	3 (1)
125C	A	4'-0"	7'-0"	AL	-	-	AL	C3/A-604	A3/A-604	B3/A-604	-	16.0	3, 7
126	A	3'-0"	7'-0"	SC	-	50	HM	C5/A-604	C5/A-604	C4/A-605	-	38.0	
126A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
126B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
126C	A	3'-0"	7'-0"	SC	-	-	HM	D5/A-604	D5/A-604	B5/A-605	-	33.0	
126D	B	8'-0"	7'-6"	SC	-	-	HM	D5/A-604	D5/A-604	B5/A-605	-	28.0	
126E	A1	3'-0"	7'-0"	SC	GL-2	-	HM	D5/A-604	D5/A-604	B1/A-605	-	30.1	3, 7
126F	A	3'-0"	7'-0"	AL	-	-	AL	C3/A-604	A3/A-604	B3/A-604	-	17.0	3
127	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C4/A-605	-	40.0	
127A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
127B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
128	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C4/A-605	-	40.0	
128A	A	3'-0"	7'-0"	SC	-	35	HM	B2/A-605	B2/A-605	C5/A-605	-	42.0	
128B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
128C	A	3'-0"	7'-0"	SC (1)	-	-	(1) HM	D5/A-604	D5/A-604	B5/A-605	-	33.0	
129	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C4/A-605	-	40.0	
130	B	6'-0"	7'-0"	AL	-	-	AL	C3/A-604	A3/A-604	B3/A-604	-	14.0 (1)	

DOOR SCHEDULE

NO.	TYPE	DOOR PANEL SIZE W	DOOR PANEL SIZE H	DOOR PANEL MATERIAL	DOOR PANEL GLAZING	DOOR PANEL STC	DOOR FRAME MATERIAL	DOOR FRAME DETAILS HEAD	DOOR FRAME DETAILS JAMB	DOOR FRAME DETAILS THRESHOLD	FIRE RATING	HDW SET NO.	REMARKS
SECOND FLOOR													
201	C	3'-0"	7'-0"	AL	GL-2	35	HM	B2/A-604	A2/A-604	C3/A-605	-	8.0	
202	A1	3'-0"	7'-0"	HM	GL-4	35	HM	C5/A-604	C5/A-604	C3/A-605	-	41.0	6
203	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	40.0	
204	B	6'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	B3/A-605	-	27.1	6
205A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
205B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
206A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
206B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
207	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	40.0	
207A	A1	4'-0"	7'-0"	HM	GL-5	-	HM	B5/A-604	B5/A-604	D4/A-605	60 MIN	30.0	3
208A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
208B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
209	A	3'-0"	7'-0"	SC	-	50	HM	C5/A-604	C5/A-604	C5/A-605	-	19.0	4
210	A	4'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	B4/A-605	-	33.0	
211	A	3'-0"	7'-0"	SC	-	50	HM	C5/A-604	C5/A-604	C5/A-605	-	21.0	5 (1)
211A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
211B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
211C	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
211D	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
211E	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
211F	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	42.0	
212	A	3'-0"	7'-0"	HM	-	50	HM	C5/A-604	C5/A-604	C4/A-605	-	21.0	5
213	A	3'-0"	7'-0"	HM	-	45	HM	C5/A-604	C5/A-604	C5/A-605	-	22.0	4, 6
214	A	3'-0"	7'-0"	HM	-	50	HM	C5/A-604	C5/A-604	C5/A-605	-	19.0	4, 6
215	A	3'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	A5/A-605	-	33.0	6
215A	B1	6'-0"	7'-0"	HM	GL-5	-	HM	A5/A-604	A5/A-604	A3/A-605	60 MIN	25.0	
216	A	3'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	A1/A-605	-	37.0	6
217	A	3'-0"	7'-0"	HM	-	-	HM	C5/A-604	C5/A-605	A3/A-605	-	32.0	2, 6
217A	A	3'-0"	7'-0"	HM	-	-	HM	B1/A-605	B1/A-605	A3/A-605	-	32.0	2,6 (1)
218	A	3'-0"	7'-0"	HM	-	-	HM	B1/A-605	B1/A-605	A5/A-605	-	35.0	
218A	A	4'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	A5/A-605	-	33.0	
219	A	3'-0"	7'-0"	SC	-	-	HM	D5/A-604	D5/A-604	D3/A-605	-	44.0	
219A	A	3'-0"	7'-0"	SC	-	-	HM	D5/A-604	D5/A-604	A5/A-605 (1)	-	43.0	
220	A	3'-0"	7'-0"	HM	-	-	HM	D5/A-604	D5/A-604	A3/A-605	-	34.0	
221	A	3'-0"	7'-0"	SC	-	-	HM	D5/A-604	D5/A-604	D3/A-605	-	44.0	
222	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C3/A-605 (1)	-	40.0	
223	B	6'-0"	7'-0"	HM	-	-	HM	C5/A-604	C5/A-604	A1/A-605	-	27.1	
223A	A1	4'-0"	7'-0"	HM	GL-5	-	HM	B5/A-604	B5/A-604	A3/A-605	60 MIN	31.0	
224	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	40.0	
225A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
225B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
226A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
226B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
227A	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
227B	A	3'-0"	7'-0"	SC	-	35	HM	C5/A-604	C5/A-604	C5/A-605	-	39.0	
SITE													
001	F	8'-8"	8'-6"	STL	-	-	STL	A2/A-606	A3/A-606	-	-	2.0 (1)	
002	F	10'-0"	7'-0"	AL	-	STL	STL	A2/A-606	A3/A-606	-	-	3.0	
003	B	6'-0"	7'-0"	AL	-	AL	AL	B3/A-604	B3/A-604	B5/A-605	-	15.0	8
004	G	4'-0"	7'-0"	STL	-	STL	STL	C4/AS111	C4/AS111	C4/AS111	-	2.0	8
005	H	4'-0"	7'-0"	SEE CIVIL	-	SEE CIVIL	SEE CIVIL	SEE CIVIL	SEE CIVIL	SEE CIVIL	-	4.0	9
006	H	4'-0"	7'-0"	SEE CIVIL	-	SEE CIVIL	SEE CIVIL	SEE CIVIL	SEE CIVIL	SEE CIVIL	-	4.0	9 (1)
007	H	4'-0"	7'-0"	SEE CIVIL	-	SEE CIVIL	SEE CIVIL	SEE CIVIL	SEE CIVIL	SEE CIVIL	-	5.0	9

OPERABLE PARTITION SCHEDULE

NO.	LENGTH	STC	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	REMARKS
FIRST FLOOR						
105	17'-5 3/4"	50	C1/A-603	A4/A-603	A1/A-603	
108	27'-3 3/4"	50	C1/A-603	A2/A-603	A1/A-603	
110	25'-3 5/8"	50	C1/A-603	A4/A-603	A1/A-603	
SECOND FLOOR						
205	16'-2 5/8"	50	C1/A-603	A4/A-603	A1/A-603	
206	16'-2 5/8"	50	C1/A-603	A4/A-603	A1/A-603	
208	25'-2 5/8"	50	C1/A-603	A4/A-603	A1/A-603	
225	26'-2 1/8" (1)	50	C1/A-603	A2/A-603	A1/A-603	
226	20'-0 1/2"	50	C1/A-603	A4/A-603	A1/A-603	
227	16'-2 5/8"	50	C1/A-603	A4/A-603	A1/A-603	

GENERAL SHEET NOTES

1. ABBREVIATIONS AND NOTES ARE USED FOR THIS SHEET ONLY.
2. SEE SPECIFICATIONS FOR HARDWARE SETS.

DOOR SCHEDULE LEGEND

NOTE: (-) INDICATES FEATURE NOT REQUIRED. ALL DOORS ARE 1-3/4" THICK UNLESS OTHERWISE NOTED.

DOOR PANEL MATERIAL

AL	ALUMINUM
HM	HOLLOW METAL
SC	SOLID CORE

DOOR PANEL GLAZING

GL-1	INSULATED GLAZING UNIT
GL-2	TEMPERED
GL-3	STC LAMINATED
GL-4	LAMINATED
GL-5	FIRE RATED GLAZING

DOOR FRAME MATERIAL

AL	ALUMINUM
HM	HOLLOW METAL

REMARKS

1	ADA OPERATOR
2	ACCESS CONTROL
3	EXIT ONLY
4	KABA MAS X-10 LKM10K FF-L-2890C TYPE IV
5	KABA MAS X-10 LKM10K FF-L-2890C TYPE II
6	IN SMOKE PARTITION
7	EAC INFRASTRUCTURE
8	OPTION ITEM #2
9	OPTION ITEM #3 (1)

SYM	DESCRIPTION	DATE	APPR
1	REVISED DOOR SCHEDULE	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC.
A/E INFO

APPROVED
EVAN MIZUE
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES JG / RLB | DRW RLB | CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

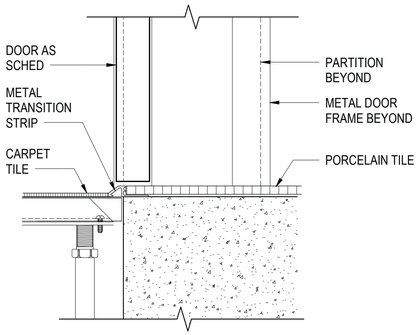
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
DOOR AND OPERABLE PARTITION SCHEDULES

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321946
SHEET 150 OF 468

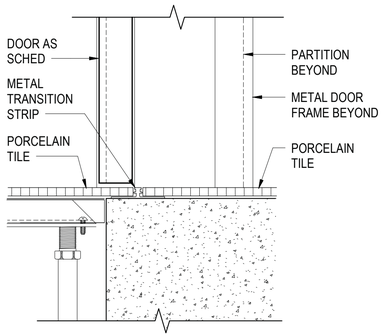
A-601

DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 8:54:18 AM C:\Users\rBalintona\Documents\BLDG-J875-1696746-A_rbalintonaF4LVN.rvt A-601



C1 THRESHOLD DETAIL
SCALE: 3" = 1'-0"



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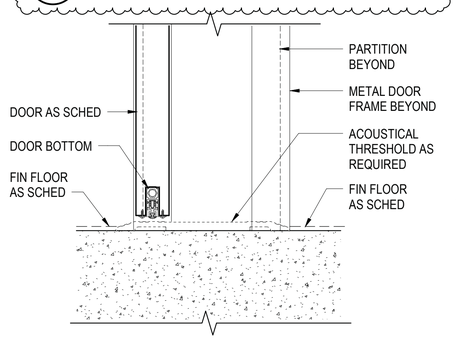
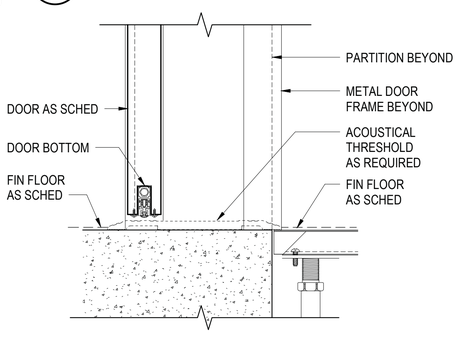
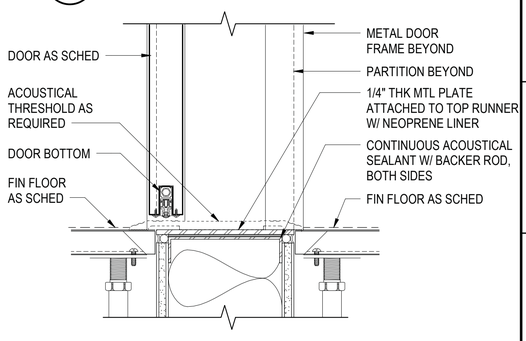


C3 ACOUSTICAL THRESHOLD DETAIL
SCALE: 3" = 1'-0"



C4 ACOUSTICAL THRESHOLD DETAIL
SCALE: 3" = 1'-0"



C5 ACOUSTICAL THRESHOLD DETAIL
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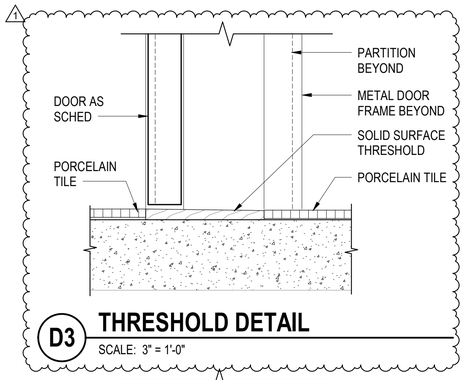
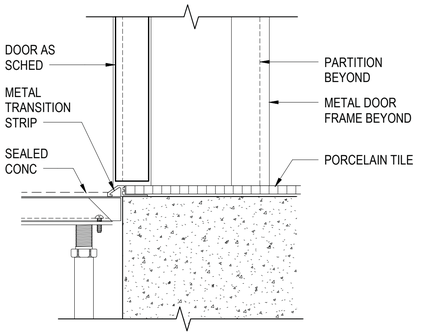


D3 THRESHOLD DETAIL
SCALE: 3" = 1'-0"



D4 THRESHOLD DETAIL
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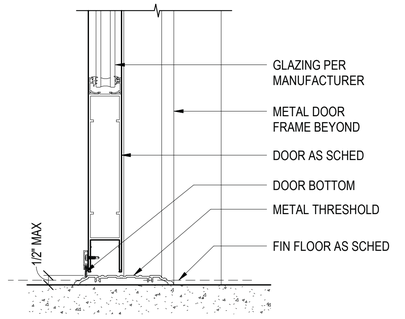

D5 THRESHOLD DETAIL
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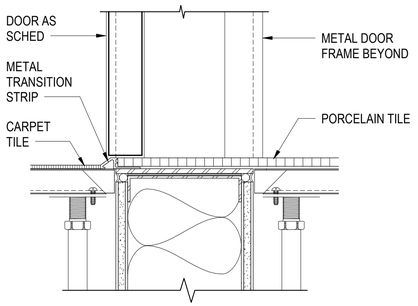

B1 THRESHOLD DETAIL
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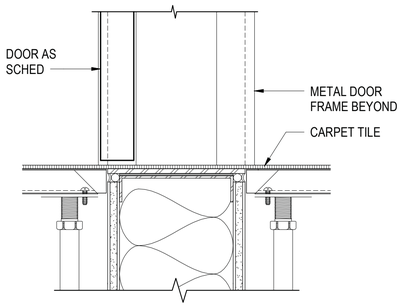

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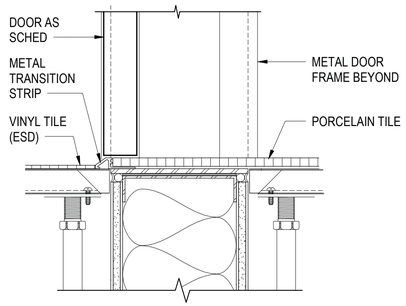

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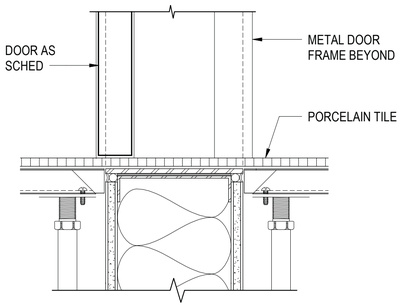

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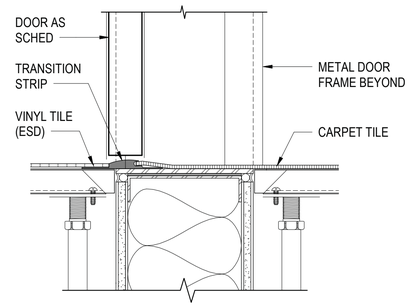

B5 THRESHOLD DETAIL
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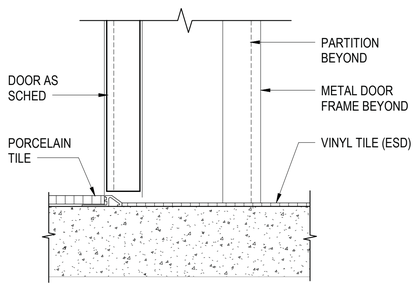
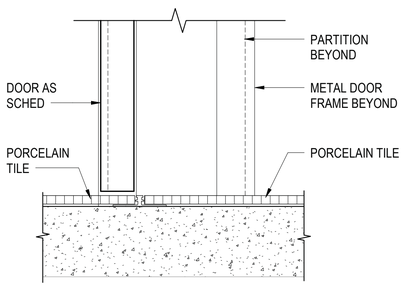


A1 THRESHOLD DETAIL
SCALE: 3" = 1'-0"



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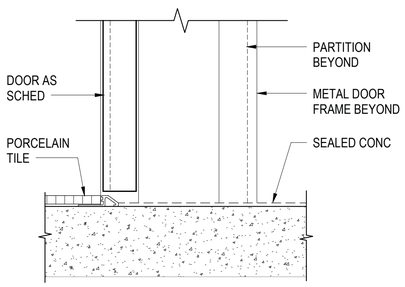
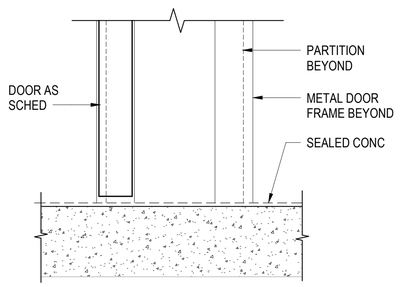


A3 THRESHOLD DETAIL
SCALE: 3" = 1'-0"



A4 THRESHOLD DETAIL
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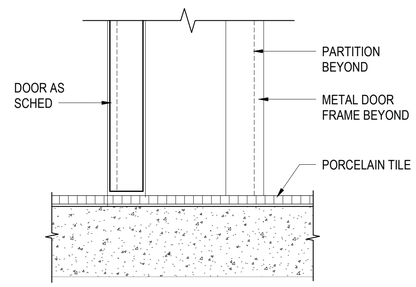

A5 THRESHOLD DETAIL
SCALE: 3" = 1'-0"

SYM	DESCRIPTION	DATE	APPR
1	ADDED DOOR DETAIL D3	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026
DES JG / RLB DRW RLB CHK JG
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

DOOR DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321950
SHEET 154 OF 468

A-605

DRAWFORM REVISION: 25 AUGUST 2020

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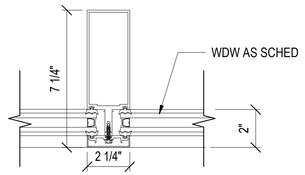
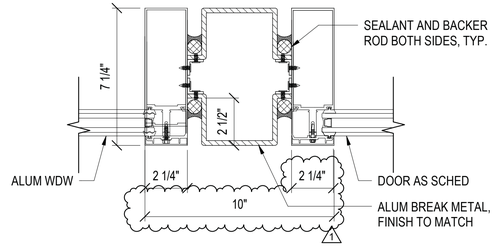


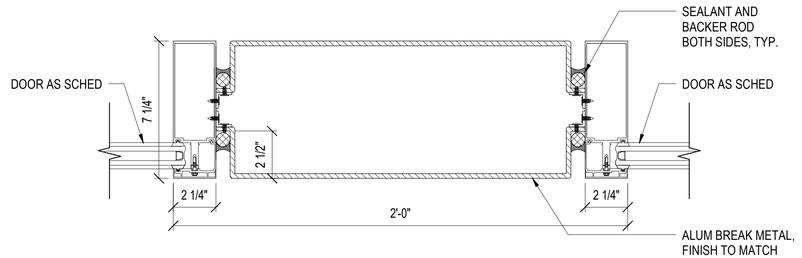
C2 STOREFRONT MULLION

SCALE: 3" = 1'-0" (A-602)



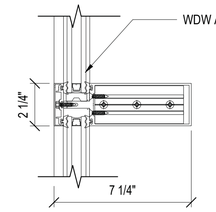
B2 STOREFRONT MULLION W/ BREAK METAL

SCALE: 3" = 1'-0" (A-602)



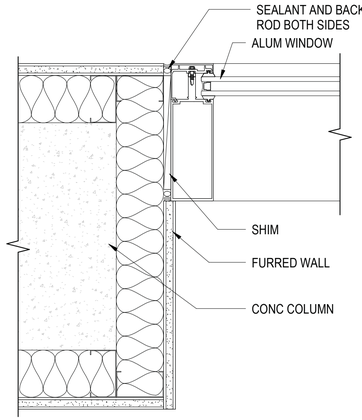
A1 STOREFRONT MULLION W/ BREAK METAL

SCALE: 3" = 1'-0" (A-602)



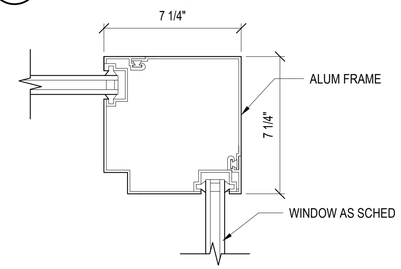
D3 STOREFRONT MULLION

SCALE: 3" = 1'-0" (A-602)



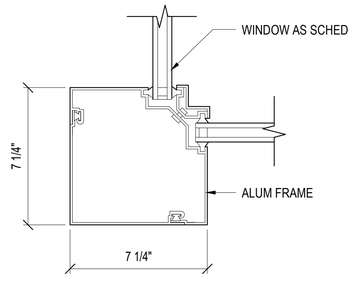
C3 STOREFRONT JAMB

SCALE: 3" = 1'-0" (A-602)



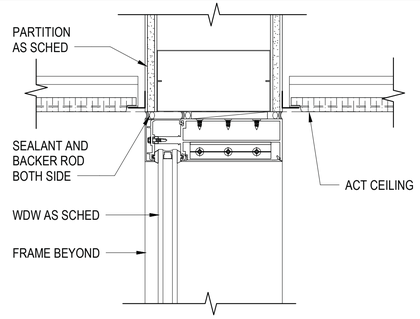
B3 STOREFRONT OUTSIDE CORNER

SCALE: 3" = 1'-0" (A-602)



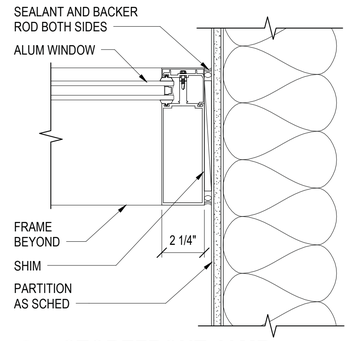
A3 STOREFRONT INSIDE CORNER

SCALE: 3" = 1'-0" (A-602)



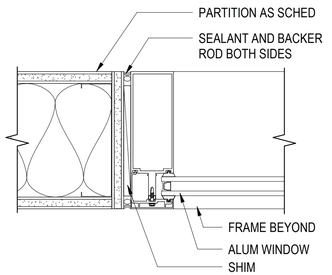
D4 STOREFRONT HEAD

SCALE: 3" = 1'-0" (A-602)



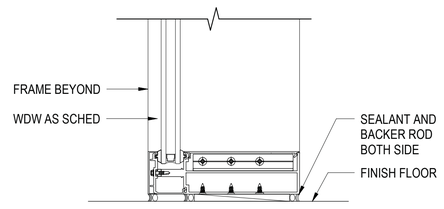
C4 STOREFRONT JAMB

SCALE: 3" = 1'-0"



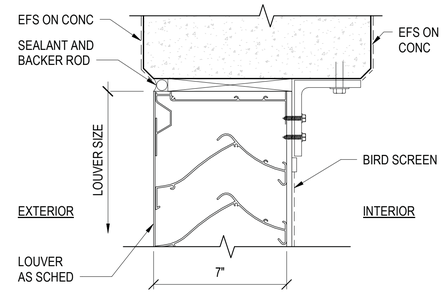
B4 STOREFRONT JAMB @ WALL

SCALE: 3" = 1'-0" (A-602)



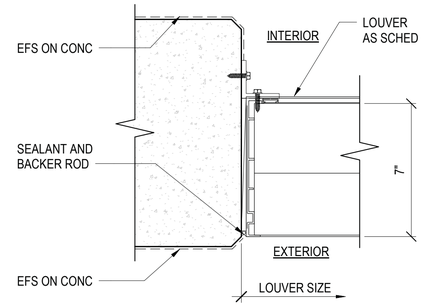
A4 STOREFRONT SILL

SCALE: 3" = 1'-0" (A-602)



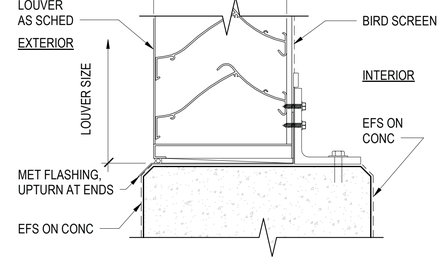
D5 LOUVER HEAD

SCALE: 3" = 1'-0" (A-602)



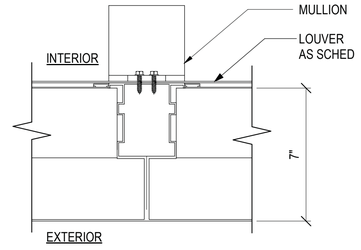
C5 LOUVER JAMB DETAIL

SCALE: 3" = 1'-0" (A-602)



B5 MECH LOUVER SILL DETAIL @ CONC

SCALE: 3" = 1'-0" (A-602)



A5 MECH LOUVER MULLION DETAIL

SCALE: 3" = 1'-0" (A-602)

GRAPHIC SCALE(S)

3" = 1' - 0"

0 3" 6" 1'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DETAIL 8/	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB
CHK	JG		
PM/DM	DKS/DMK		
BRANCH MANAGER	KYM		
CHIEF ENG/ARCH	KYM		
FIRE PROTECTION	RYO		

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

WINDOW DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321954
SHEET 158 OF 468

A-609

DRAWFORM REVISION: 25 AUGUST 2020

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INTERIOR COLOR AND MATERIAL SCHEDULE

CODE	DESCRIPTION	MANUFACTURER	COLLECTION / STYLE / COLOR / FINISH	SIZE (W x H)	REMARKS
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG CEILINGS	CIRRUS ANGLED TEGULAR - WHITE 584, NRC: 0.70, CAC: 35	24" X 24" X 3/4"THK.	SUSPENSION SYSTEM TO BE 15/16"
AWP-1	ACOUSTIC WALL PANEL	KOROSEAL	SOUND DESIGNS PERFORMANCE PLUS SERIES ACOUSTICAL WALL PANELS, EDGE DETAIL TO BE HIGH PERFORMANCE TEXTILE: GUILFORD OF MAINE, STYLE: JANE 9085 COLOR: GOLD 4020	2-1/8" THK., WIDTH AND HEIGHT VARIES	SEE INTERIOR ELEVATIONS FOR SIZES AND LOCATIONS.
AWP-2	ACOUSTIC WALL PANEL	KOROSEAL	SOUND DESIGNS PERFORMANCE PLUS SERIES ACOUSTICAL WALL PANELS, EDGE DETAIL TO BE HIGH PERFORMANCE TEXTILE: GUILFORD OF MAINE, STYLE: METALLATION 5118, COLOR: DARK ANNEALED 1629	2-1/8" THK, WIDTH AND HEIGHT VARIES	SEE INTERIOR ELEVATIONS FOR SIZES AND LOCATIONS.
CG	RESILIENT CORNER GUARD	CONSTRUCTION SPECIALTIES (CS)	SSM SERIES, SSM-20N-1/4" RADIUS, COLOR: PEARL - #934	2" X 2" X 48"H	SURFACE MOUNTED
CG-1	STAINLESS STEEL CORNER GUARD	CONSTRUCTION SPECIALTIES (CS)	CO SERIES, CO-8-3/16" RADIUS, FINISH: #4 SATIN FINISH	2" X 2" X 48" H	SURFACE MOUNTED
CON-1	SEALED CONCRETE	TBD	BONDED ABRASIVE OIL RESISTANT NON-SLIP CONCRETE FINISH / CLEAR. SURFACE CUT DEPTH TO HAVE VERY LITTLE AGGREGATE EXPOSURE.	-	PROVIDE MINIMUM OF 3 COATS OF HARDENED, BREATHABLE STAIN RESISTANT SEALAR. PROVIDE MOCK-UP FOR APPROVAL BY GOVERNMENT PRIOR TO INSTALLATION.
ESD-1	ELECTROSTATIC DISPLACEMENT FLOORING	DUR-A-FLEX	ARMOR-STAT ESD EPOXY/URETHANE FLOOR SYSTEM, COLOR: SLATE GREY, STANDARD TEXTURE	-	-
GRT-1	GROUT	CUSTOM BUILDING PRODUCTS	BLEACHED WOOD #545	-	-
GRT-2	GROUT	CUSTOM BUILDING PRODUCTS	OYSTER GRAY #386	-	-
GRT-3	GROUT	CUSTOM BUILDING PRODUCTS	GRAYSTONE #542	-	-
P-1	PAINT	SHERWIN-WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX PAINT, DRIFT OF MIST - SW9166	-	WALL FIELD PAINT
P-2	PAINT	SHERWIN-WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX PAINT, DOVETAIL - SW7018	-	DOORS & FRAMES PAINT
P-3	PAINT	SHERWIN-WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX PAINT, FUTON - SW7101	-	CEILING PAINT
P-4	PAINT	SHERWIN-WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX PAINT, OAK CREEK - SW7718	-	ACCENT WALL PAINT
P-5	PAINT	SHERWIN-WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX PAINT, DECOROUS AMBER - SW0007	-	ACCENT WALL PAINT
PL-1	PLASTIC LAMINATE	WILSONART	HIGH-PRESSURE LAMINATE, WOODGRAINS, PORTICO TEAK IN LINEARITY FINISH - 8210K-18	-	-
PT-1	PORCELAIN TILE	DALTILE	STONE ATTACHE COLLECTION, COLORBODY PORCELAIN, HAUT MONDE, COLOR: ELITE GREY - HM05, FINISH: MATTE	12" X 24" X 5/16"THK.	GROUT USING GRT-2, USE MATCHING PORCELAIN TILE TRIM AS REQUIRED, GROUT JOINT TO BE 1/8" PER MANUFACTURER'S RECOMMENDATION, INSTALL IN VERTICAL STACK BOND PATTERN
PT-2	PORCELAIN TILE	DALTILE	COLORBODY PORCELAIN, IMAGICA, COLOR: HAZE - IG97, FINISH: MATTE	12" X 24" X 5/16"THK.	GROUT USING GRT-3, USE CRACK ISOLATION MEMBRANE, GROUT JOINT TO BE 1/8" PER MANUFACTURER'S RECOMMENDATION, INSTALL IN 1/3 OFFSET RUNNING BOND PATTERN, USE MATCHING PORCELAIN TILE TRIM AS REQUIRED
PT-3	PORCELAIN TILE	CASALGRANDE PADANA	FULLY VITRIFIED PORCELAIN, METROPOLIS, COLOR: MUD, FINISH: NATURAL, MATTE, R10	23.62" X 23.62" X 0.35"THK.	GROUT USING GRT-3, USE CRACK ISOLATION MEMBRANE, GROUT JOINT TO BE 1/8" PER MANUFACTURER'S RECOMMENDATION
PT-4	PORCELAIN TILE	CROSSVILLE	SHADES 2.0, SHD3 / .10103SMOS WHITES - SPO, BLENDED MOSAICS	1" X 3"	GROUT USING GRT-1
PT-5	PORCELAIN TILE	CROSSVILLE	SHADES 2.0, SHD2 / .10103SMOS COOL GRAYS - SPO, BLENDED MOSAICS	1" X 3"	GROUT USING GRT-1
RAF-1	RAISED ACCESS FLOORING - PT	TATE	CONCRE ALL STEEL ACCESS FLOOR PLANELS WITH FACTORY LAMINATED PORCELAIN TILE - CASALGRANDE, METROPOLIS, COLOR: MUD, FINISH: NATURAL	24" X 24" 1	-
RAF-2	RAISED ACCESS FLOORING - CPT	TATE	CONCORE ALL STEEL ACCESS FLOOR PANELS WITH FACTORY INSTALLED CARPET POSITILES - SHAW CONTRACT, NOBLE MATERIALS, ALCHEMY TILE 5T135, CORNERSTONE COPPER 33555	24" X 24"	-
RAF-3	RAISED ACCESS FLOORING - ESD	TATE	CONCORE ALL STEEL ACCESS FLOOR PANELS WITH FACTORY LAMINATED ESD VINYL TILE - FORBO, COLOREX SD, COLOR: 150206 MOONSTONE	24" X 24"	-
RB-1	RUBBER BASE	JOHNSONITE BY TARKETT	COLOR: BURNT UMBER #63	4"H	STANDARD COVE AT RESILIENT FLOORING MATERIALS, NO-TOE AT CARPET, DO NOT USE CORNER PROFILES
SS-1	SOLID SURFACE	FORMICA	EVERFORM, COLOR: GRAY RENEW - 749	-	-
TP-1	TOILET PARTITION	BRADLEY	BRADMAR TOILET PARTITIONS, COLOR: CHARCOAL GRAY - S215	-	INCLUDE STAINLESS STEEL LATCH AND SHOES
WM-1	WALK-OFF MAT	CONSTRUCTION SPECIALTIES (CS)	PEDIMAT M1, HEAVY-DUTY CARPET WITH CLEAR ANODIZED ALUMINUM FRAME, COLOR: GRAPHITE - 9325	-	-
WS-1	WINDOW SHADE	MECHO SHADE	ECOVEIL 1550 SERIES, 3% OPENNESS, COLOR: EGGSHELL - 1566	VERIFY WINDOW SIZES	INSTALL AT WINDOW TYPES A, B1, B2 AND B3

GENERAL SHEET NOTES

1. FOR LOCATIONS OF MATERIALS, SEE ROOM FINISH SCHEDULE.
2. SEE SHEETS A-102, A-103, A-105 AND A-106 FOR CORNER GUARD LOCATIONS.
3. SOLID SURFACE BACKSPLASH TO BE FULL-HEIGHT BETWEEN COUNTERTOP AND UNDERSIDE OF UPPER CABINETRY. TYP. WHERE THERE IS NO UPPER CABINETRY, BACKSPLASH TO BE 12" ABOVE COUNTERTOP.
4. MANUFACTURER REFERENCES PROVIDE BASIS OF DESIGN FOR MATERIALS, COLORS, AND PATTERNS. PRODUCTS BY OTHER MANUFACTURERS MAY BE ACCEPTABLE, SUBJECT TO PROVIDING AN ACCEPTABLE MATCH AND DEMONSTRATING COMPLIANCE WITH CONTRACT REQUIREMENTS.

SYM	DESCRIPTION	DATE	APPR
1	REVISED COLOR AND MATERIAL SCHEDULE	4/27/26	

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	EA	DRW	EA	CHK	JG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
INTERIOR COLOR MATERIAL SCHEDULE

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321955
SHEET 159 OF 468

A-610

DRAWFORM REVISION: 25 AUGUST 2020

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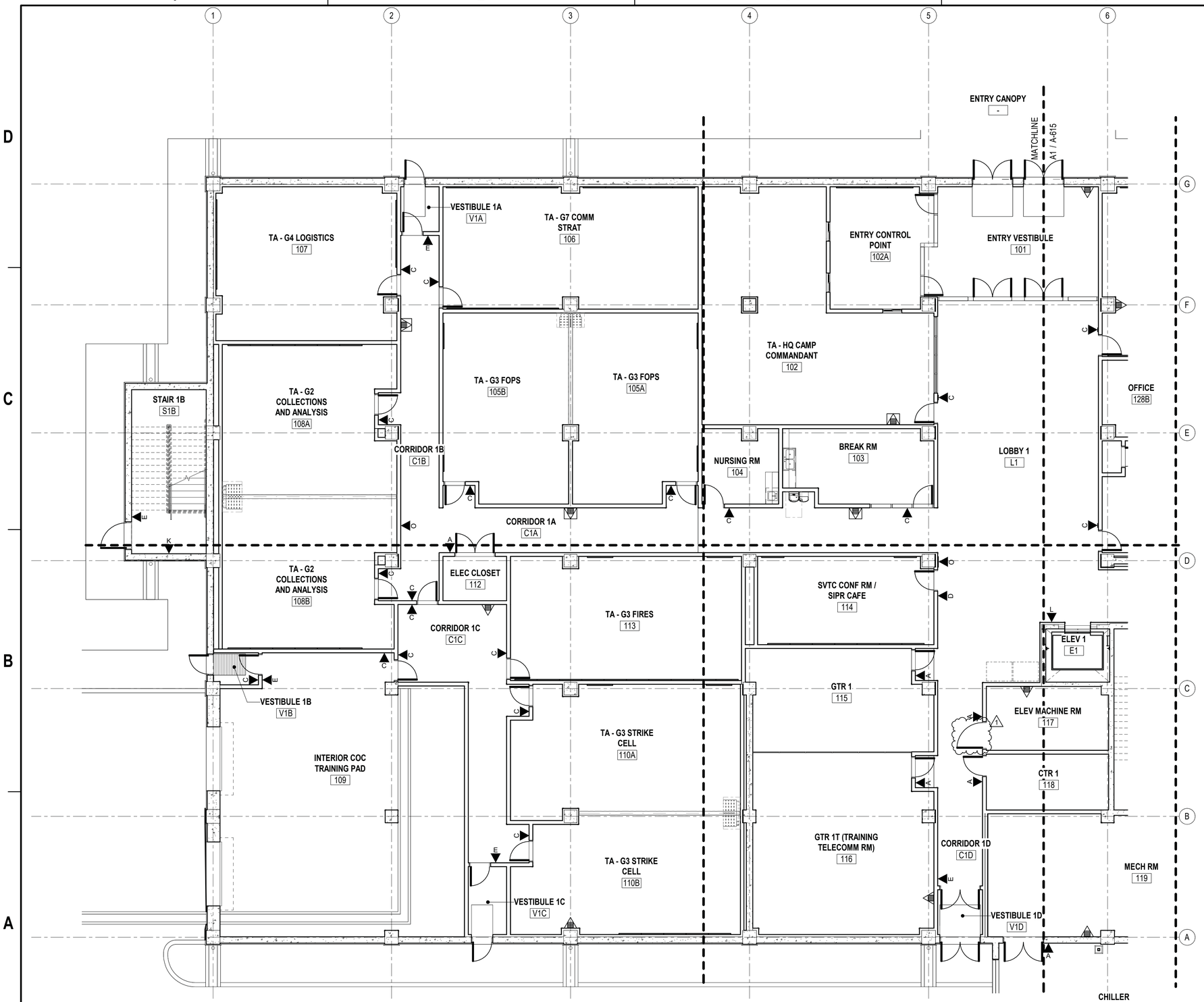


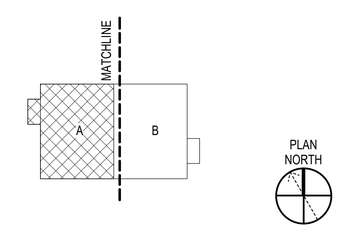
A1 ENLARGED SIGNAGE FLOOR PLAN - 1A

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

GENERAL SHEET NOTES

1. REFER TO SHEET A-618 FOR SIGNAGE SCHEDULE.
2. REFER TO SHEET A-619 FOR SIGNAGE DETAILS.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED ELEVATOR MACHINE ROOM DOOR	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES EA | DRW RLB | CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED SIGNAGE FLOOR PLAN - 1A

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321959

SHEET 163 OF 468

A-614

DRAWFORM REVISION: 25 AUGUST 2020

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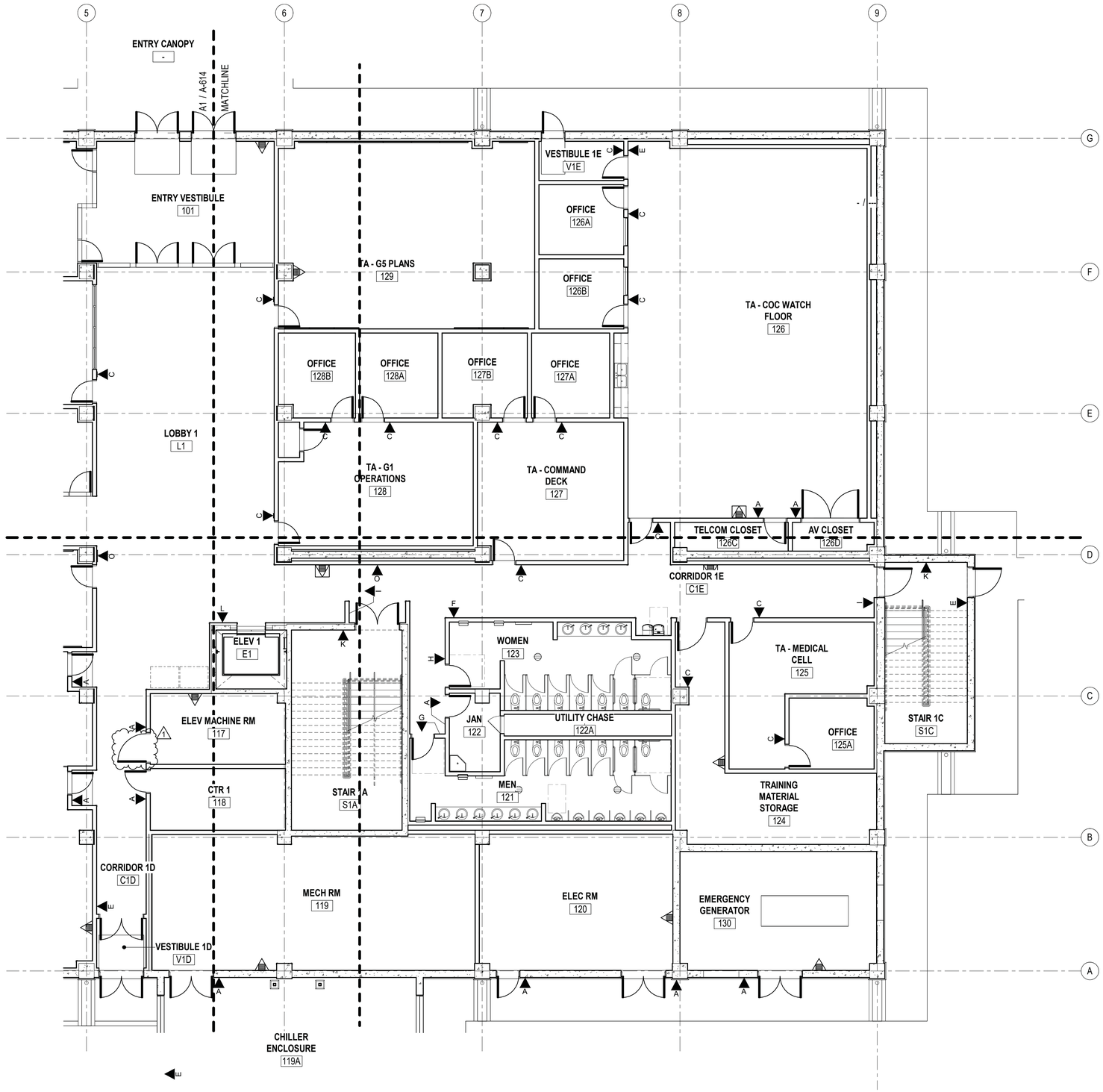


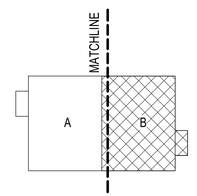
A1 ENLARGED SIGNAGE FLOOR PLAN - 1B

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

GENERAL SHEET NOTES

1. REFER TO SHEET A-618 FOR SIGNAGE SCHEDULE.
2. REFER TO SHEET A-619 FOR SIGNAGE DETAILS.

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED ELEVATOR MACHINE ROOM DOOR	4/27/26	

NAVFAC

MYLES M. MICHIBATA ★ LICENSED PROFESSIONAL ARCHITECT No. 12367 ★ HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	EA	DRW	RLB	CHK	JG

PMDM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED SIGNAGE FLOOR PLAN - 1B

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321960
SHEET 164 OF 468

A-615

DRAWFORM REVISION: 25 AUGUST 2020

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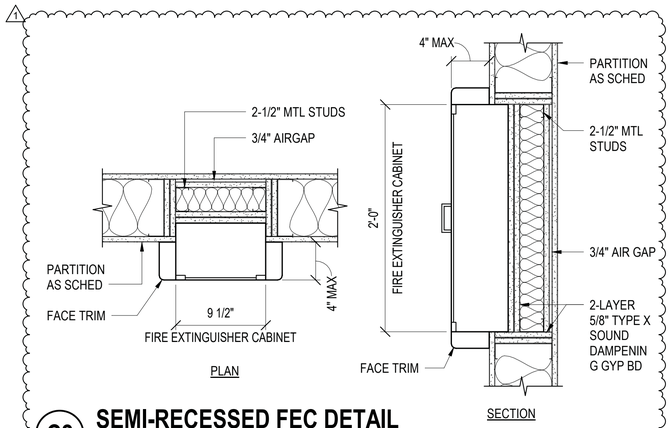
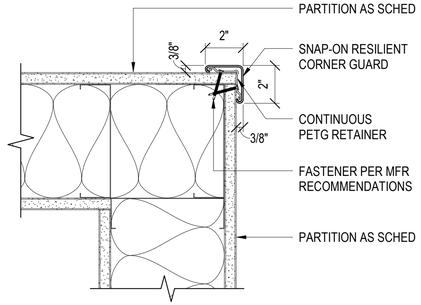
A-615



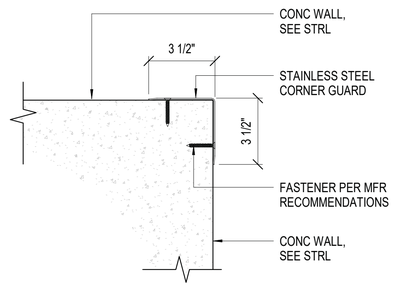
C2 SEMI-RECESSED FEC DETAIL

SCALE: 1 1/2" = 1'-0" (A-403)



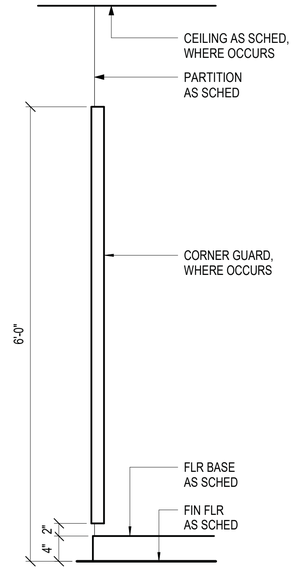
B2 CORNER GUARD DETAIL (CG)

SCALE: 3" = 1'-0"



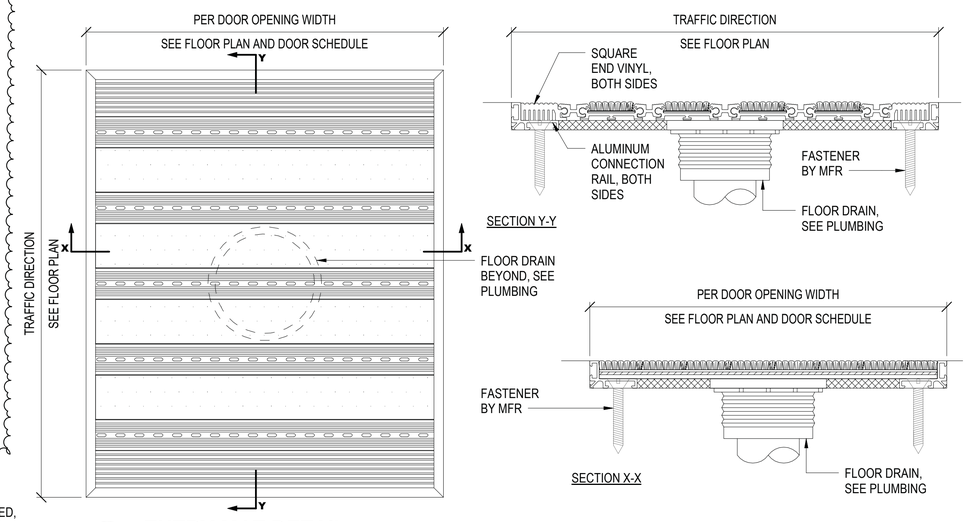
A2 CORNER GUARD DETAIL (CG-1)

SCALE: 3" = 1'-0"



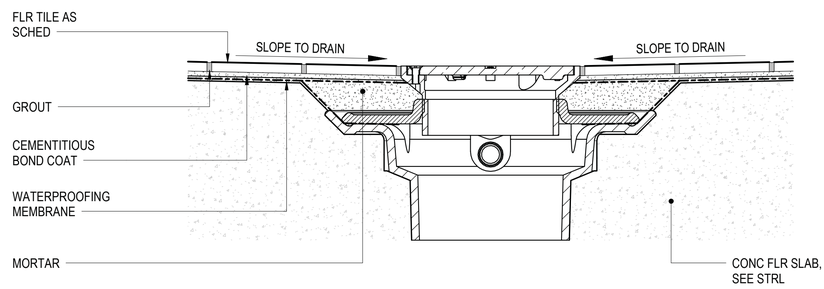
A3 TYP CORNER GUARD ELEV

SCALE: 1" = 1'-0"



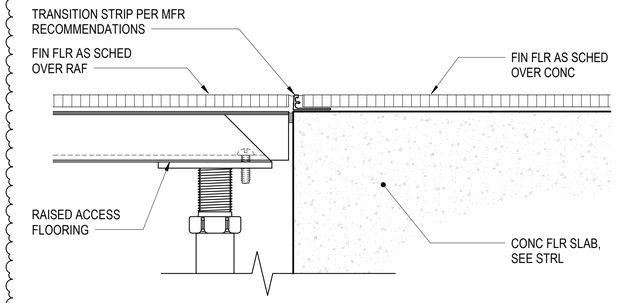
C4 ENTRY MAT DETAIL

SCALE: NOT TO SCALE



B4 FLOOR DRAIN DETAIL

SCALE: 6" = 1'-0"



D4 RAISED FLOOR TRANSITION

SCALE: 6" = 1'-0" (AI101)

GRAPHIC SCALE(S)

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

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

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

SYM	DESCRIPTION	DATE	APPR
1	REVISED DETAILS	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

MISCELLANEOUS INTERIOR DETAILS

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321968

SHEET 172 OF 468

A-730

DRAWFORM REVISION: 25 AUGUST 2020

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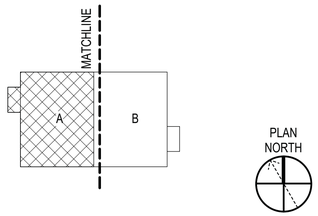
A1 ENLARGED FLOOR PLAN - 1A

SCALE: 1/8" = 1'-0" (A-201)

GENERAL SHEET NOTES

LEGEND

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED ELEVATOR MACHINE ROOM DOOR	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
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U.S. NAVSUPPACT
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JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED RAF FLOOR PLAN - 1A

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321972

SHEET 176 OF 468

A-801

DRAWFORM REVISION: 25 AUGUST 2020

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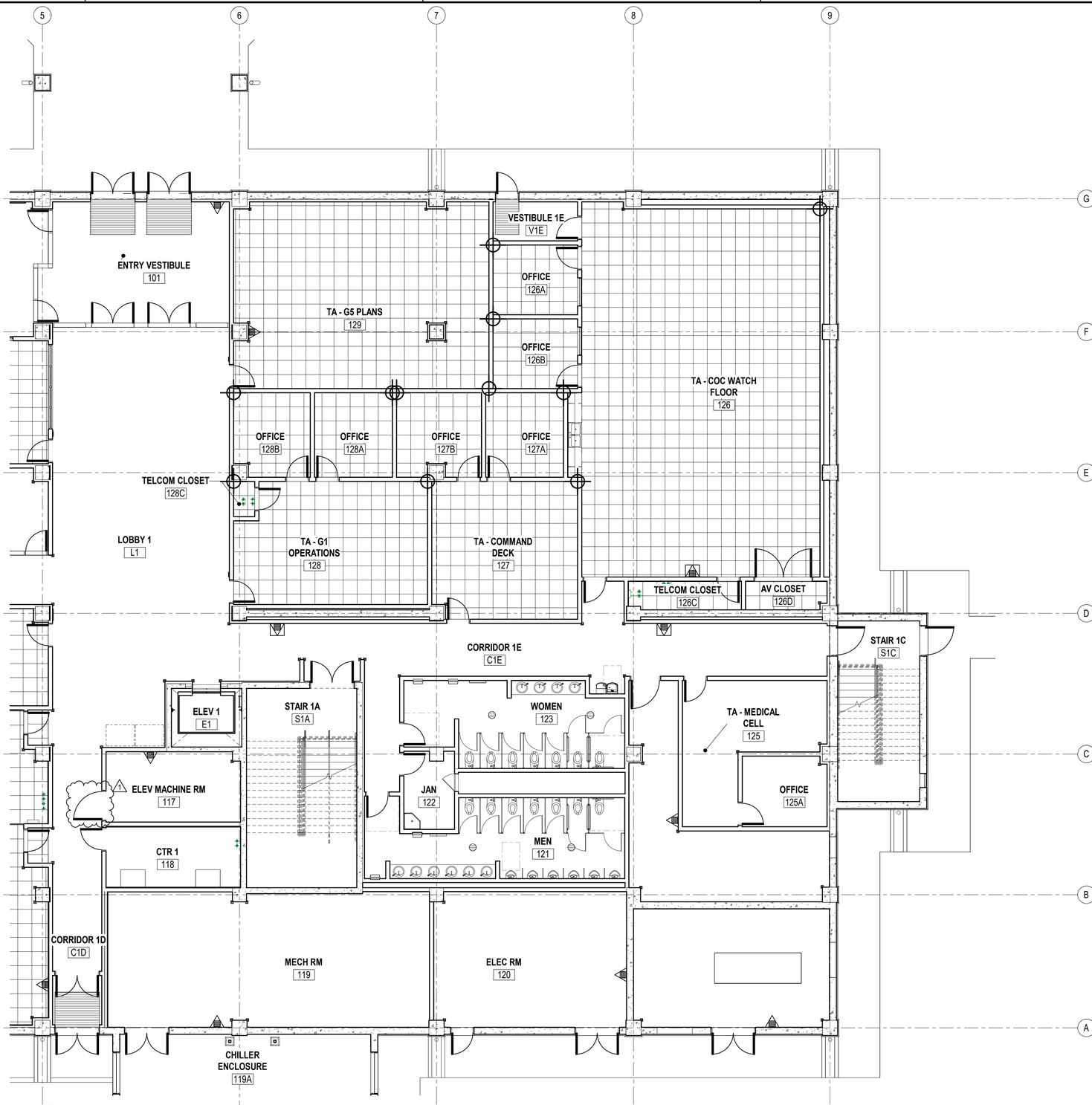


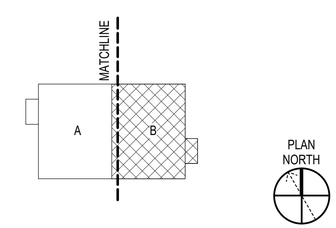
A1 ENLARGED FLOOR PLAN - 1B

SCALE: 1/8" = 1'-0" (A-201)

GENERAL SHEET NOTES

LEGEND

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED ELEVATOR MACHINE ROOM DOOR	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE: 3/10/2026

DES JG / RLB DRW RLB CHK JG

PM/DM: DKS/DMK

BRANCH MANAGER: KYM

CHIEF ENG/ARCH: KYM

FIRE PROTECTION: RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED RAF FLOOR PLAN - 1B

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321973

SHEET 177 OF 468

A-802

DRAWFORM REVISION: 25 AUGUST 2020

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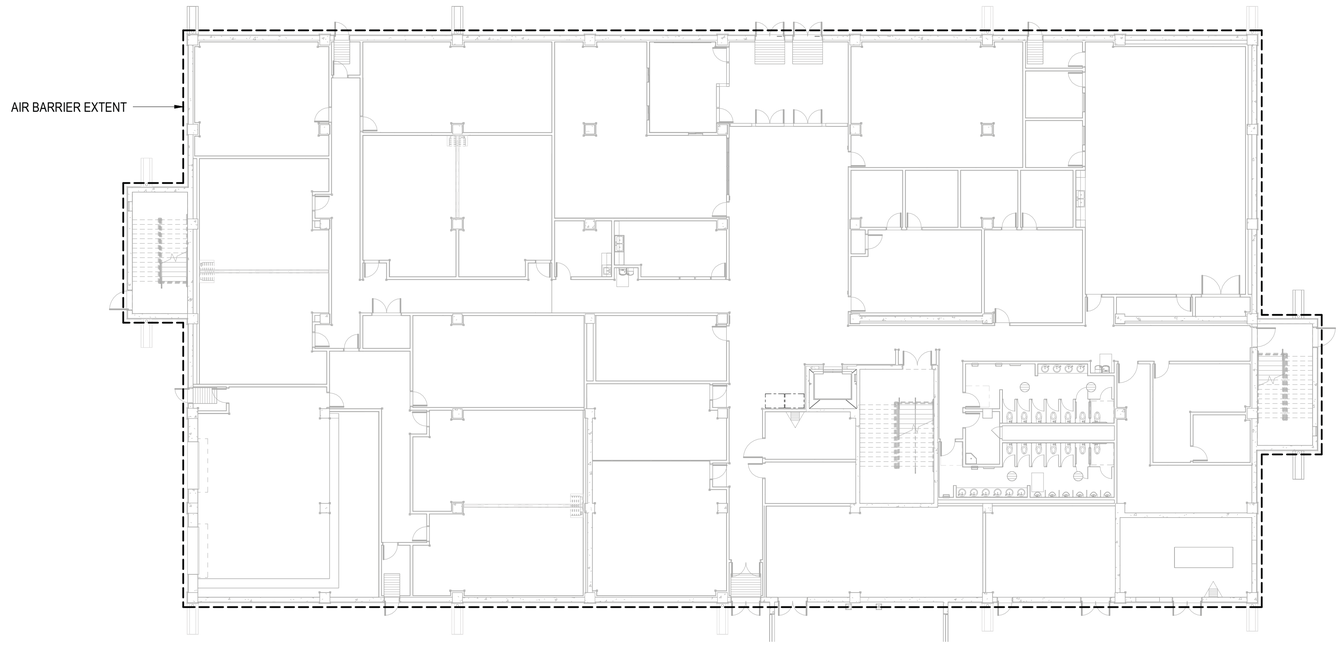
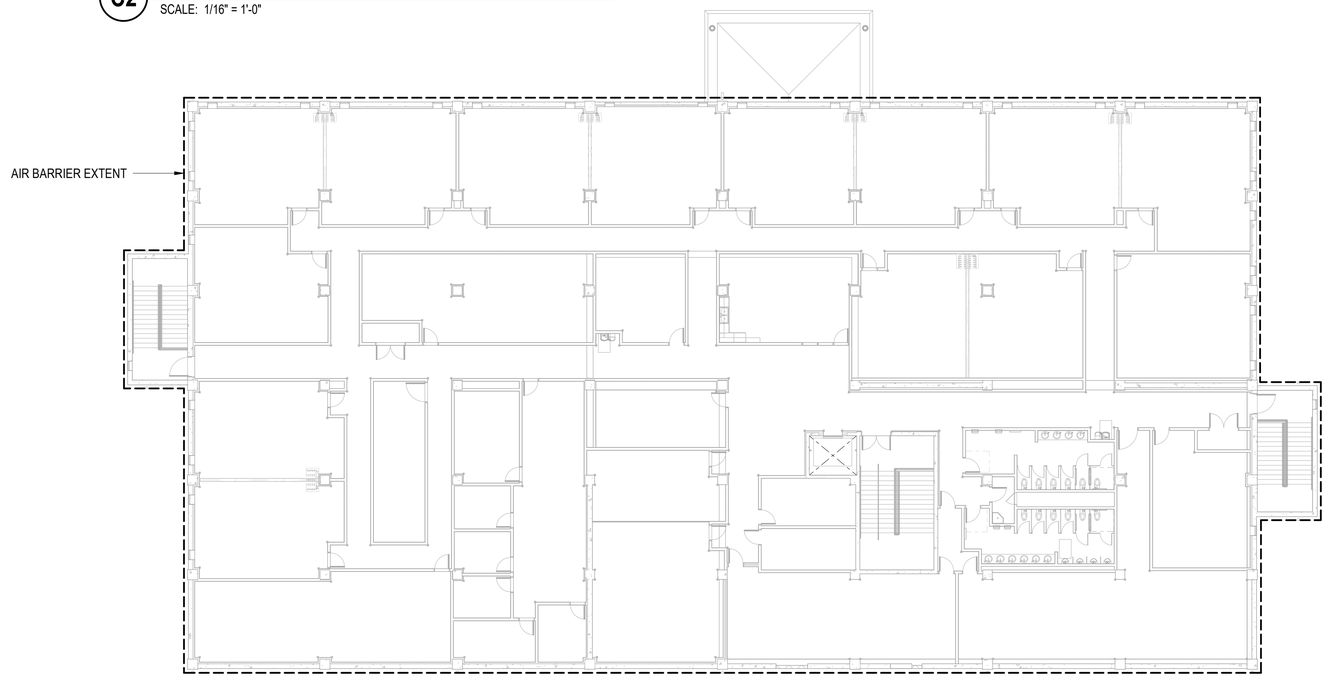


C2 FIRST FLOOR PLAN AIR BARRIER DIAGRAM

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



A2 SECOND FLOOR PLAN AIR BARRIER DIAGRAM

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

GENERAL SHEET NOTES

A. PROVIDE CONTINUOUS AIR BARRIER FOR THE ENTIRE EXTERIOR BUILDING ENVELOPE. JOINTS, AIR BARRIER COMPONENTS AND ASSEMBLIES ARE AS FOLLOWS:

ROOF ASSEMBLIES:

FLUID APPLIED ROOFING SYSTEM OVER CONCRETE.

WALL ASSEMBLIES:

EXTERIOR FINISH SYSTEM OVER CONCRETE WALL. PROVIDE MEMBRANE AIR BARRIER AT ALL JOINTS AND PENETRATIONS.

1. OVERLAP FLEXIBLE REINFORCED MESH OVER JOINTS BY 4".
2. OVERLAP FLUID APPLIED AIR BARRIERS OVER EDGE OF MESH BY 4".
3. INSTALL SPRAY TILE FINISH PER MANUFACTURER'S RECOMMENDATIONS.

FLOOR ASSEMBLIES:

CONC SLAB WITH VAPOR BARRIER (AIR BARRIER) ON COMPACTED BASE COURSE.

B. BUILDING IS REQUIRED TO HAVE A COMPREHENSIVE AIR BUILDING IS REQUIRED TO HAVE A COMPREHENSIVE AIR BARRIER PER 07 27 10 BUILDING AIR BARRIER SYSTEM. AIR BARRIER PERFORMANCE MUST BE TESTED AND CONFIRMED PER SPECIFICATION SECTIONS 07 05 23.

C. PLANS AND SECTION THIS SHEET PROVIDE A SCHEMATIC REPRESENTATION OF AIR BARRIER LOCATION AND INTERNAL FACILITY VOLUME WITHIN THE AIR BARRIER PERIMETER

D. SEAL AIR BARRIER MEMBRANE PENETRATIONS CAUSED BY FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TELECOMMUNICATIONS SYSTEMS AND COMPONENTS. PENETRATIONS THROUGH FLOOR, ROOF, AND WALL ASSEMBLIES SHALL BE SEALED TO CREATE A CONTINUOUS AIR BARRIER AND MEET FIRE RESISTANCE CRITERIA OF RATED ASSEMBLIES.

E. SEE WALL SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION ON COORDINATION OF AIR BARRIER MEMBRANE AND INTEGRATION OF THE AIR BARRIER WITH VAPOR RETARDERS.

F. VERIFY INTEGRITY AND PERFORMANCE OF AIR BARRIER PRIOR TO CONCEALING WITH OTHER MATERIALS.

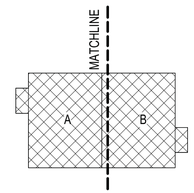
* FLUID APPLIED MEMBRANE AIR BARRIERS IS TO BE APPLIED TO ALL JOINTS AND PENETRATIONS BEFORE THE DIRECT-APPLIED EXTERIOR FINISH SYSTEMS

AIR BARRIER

ENCLOSURE CALCULATIONS
ENCLOSURE TOTAL AREA: 81,619 SF 1
HEIGHT OF BUILDING: 42 FT

1. FLOOR AREA: 27,725 SF 1
2. ROOF AREA: 30,212 SF
3. NORTH WALL AREA: 8, 011 SF
4. SOUTH WALL AREA: 8, 011 SF
5. EAST WALL AREA: 3, 830 SF
6. WEST WALL AREA: 3, 830 SF

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/16" = 1' - 0" 0 5' 10' 20' 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	REVISED GENERAL SHEET NOTES	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB	CHK	JG
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

AIR BARRIER DIAGRAM - FLOOR PLANS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321976
SHEET 180 OF 468

A-901

DRAWFORM REVISION: 25 AUGUST 2020

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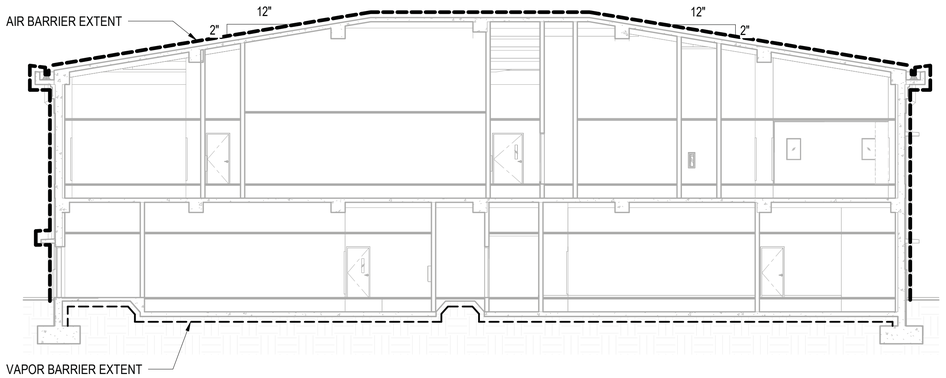
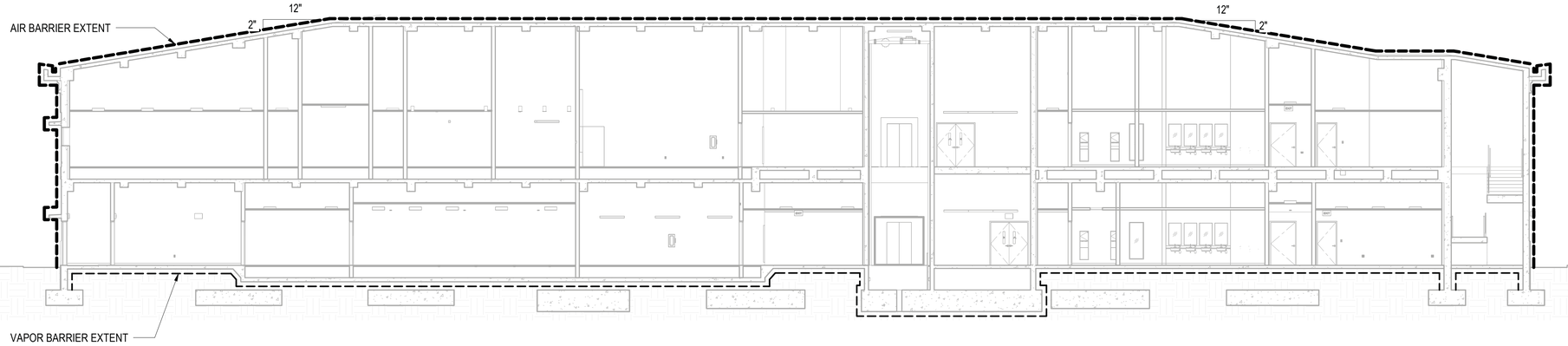


C1 AIR BARRIER DIAGRAM CROSS SECTION

SCALE: 3/32" = 1'-0"



A1 AIR BARRIER DIAGRAM LONGITUDINAL SECTION

SCALE: 3/32" = 1'-0"

GENERAL SHEET NOTES

A. PROVIDE CONTINUOUS AIR BARRIER FOR THE ENTIRE EXTERIOR BUILDING ENVELOPE. JOINTS, AIR BARRIER COMPONENTS AND ASSEMBLIES ARE AS FOLLOWS:

ROOF ASSEMBLIES:

FLUID APPLIED ROOFING SYSTEM OVER CONCRETE.

WALL ASSEMBLIES:

EXTERIOR FINISH SYSTEM OVER CONCRETE WALL. PROVIDE MEMBRANE AIR BARRIER AT ALL JOINTS AND PENETRATIONS.

1. OVERLAP FLEXIBLE REINFORCED MESH OVER JOINTS BY 4".
2. OVERLAP FLUID APPLIED AIR BARRIERS OVER EDGE OF MESH BY 4".
3. INSTALL SPRAY TILE FINISH PER MANUFACTURER'S RECOMMENDATIONS.

FLOOR ASSEMBLIES:

CONC SLAB WITH VAPOR BARRIER (AIR BARRIER) ON COMPACTED BASE COURSE.

B. BUILDING IS REQUIRED TO HAVE A COMPREHENSIVE AIR BUILDING IS REQUIRED TO HAVE A COMPREHENSIVE AIR BARRIER PER 07 27 10 BUILDING AIR BARRIER SYSTEM. AIR BARRIER PERFORMANCE MUST BE TESTED AND CONFIRMED PER SPECIFICATION SECTIONS 07 05 23.

C. PLANS AND SECTION THIS SHEET PROVIDE A SCHEMATIC REPRESENTATION OF AIR BARRIER LOCATION AND INTERNAL FACILITY VOLUME WITHIN THE AIR BARRIER PERIMETER

D. SEAL AIR BARRIER MEMBRANE PENETRATIONS CAUSED BY FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TELECOMMUNICATIONS SYSTEMS AND COMPONENTS. PENETRATIONS THROUGH FLOOR, ROOF, AND WALL ASSEMBLIES SHALL BE SEALED TO CREATE A CONTINUOUS AIR BARRIER AND MEET FIRE RESISTANCE CRITERIA OF RATED ASSEMBLIES.

E. SEE WALL SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION ON COORDINATION OF AIR BARRIER MEMBRANE AND INTEGRATION OF THE AIR BARRIER WITH VAPOR RETARDERS.

F. VERIFY INTEGRITY AND PERFORMANCE OF AIR BARRIER PRIOR TO CONCEALING WITH OTHER MATERIALS.

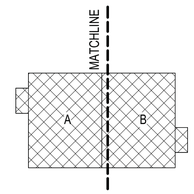
* FLUID APPLIED MEMBRANE AIR BARRIERS IS TO BE APPLIED TO ALL JOINTS AND PENETRATIONS BEFORE THE DIRECT-APPLIED EXTERIOR FINISH SYSTEMS

AIR BARRIER

ENCLOSURE CALCULATIONS
ENCLOSURE TOTAL AREA: 81,619 SF 1
HEIGHT OF BUILDING: 42 FT

1. FLOOR AREA: 27,725 SF 1
2. ROOF AREA: 30,212 SF
3. NORTH WALL AREA: 8, 011 SF
4. SOUTH WALL AREA: 8, 011 SF
5. EAST WALL AREA: 3, 830 SF
6. WEST WALL AREA: 3, 830 SF

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

3/32" = 1' - 0" 0 5' 10' 20' 40'

SYM	DESCRIPTION	DATE	APPR
1	REVISED GENERAL SHEET NOTES	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

AE INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JG / RLB	DRW	RLB	CHK	JG
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
AIR BARRIER DIAGRAM

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321977
SHEET 181 OF 468

A-902

DRAWFORM REVISION: 25 AUGUST 2020

A-902
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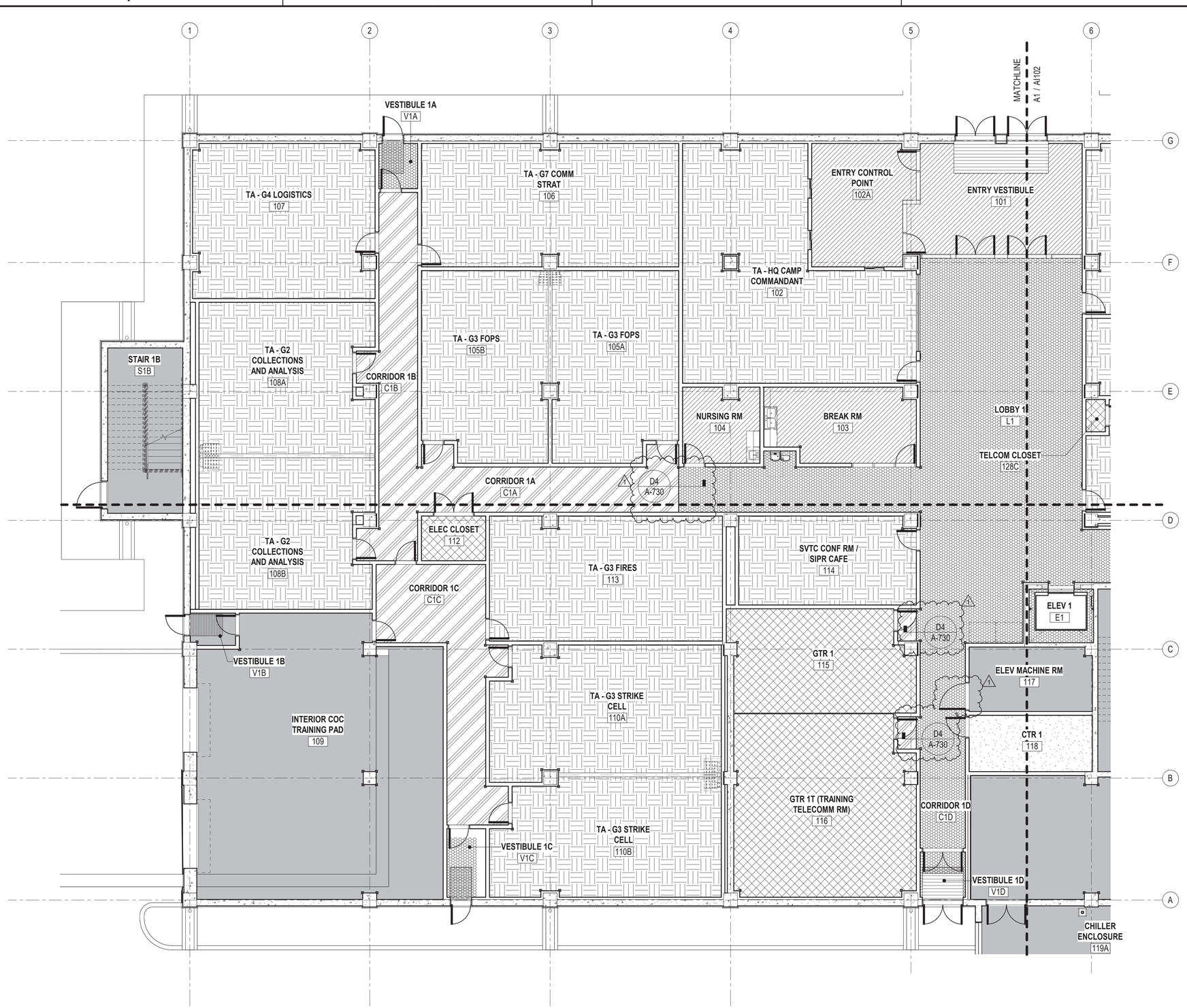


A1 ENLARGED FLOOR FINISH PLAN - 1A

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

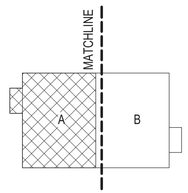
GENERAL SHEET NOTES

1. REFER TO SHEET A-610 FOR COLOR MATERIAL SCHEDULE.
2. REFER TO SHEET A-612 AND A-613 FOR ROOM FINISH SCHEDULE.

FLOOR FINISH LEGEND

CON-1	SEALED CONCRETE
ESD-1	ELECTROSTATIC DISPLACEMENT FLOORING
PT-1	PORCELAIN TILE
PT-2	PORCELAIN TILE
PT-3	PORCELAIN TILE
RAF-1	RAISED ACCESS FLOORING - PT
RAF-2	RAISED ACCESS FLOORING - CPT
RAF-3	RAISED ACCESS FLOORING - ESD
WM-1	WALK-OFF MAT

KEY PLAN



PLAN NORTH

GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DOOR, DETAIL CALLOUT, AND FLOOR TRANSITION	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	AA	DRW	AA	CHK	JG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED FLOOR FINISH PLAN - 1A

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17321979
SHEET	183 OF 468

AI101

DRAWFORM REVISION: 25 AUGUST 2020

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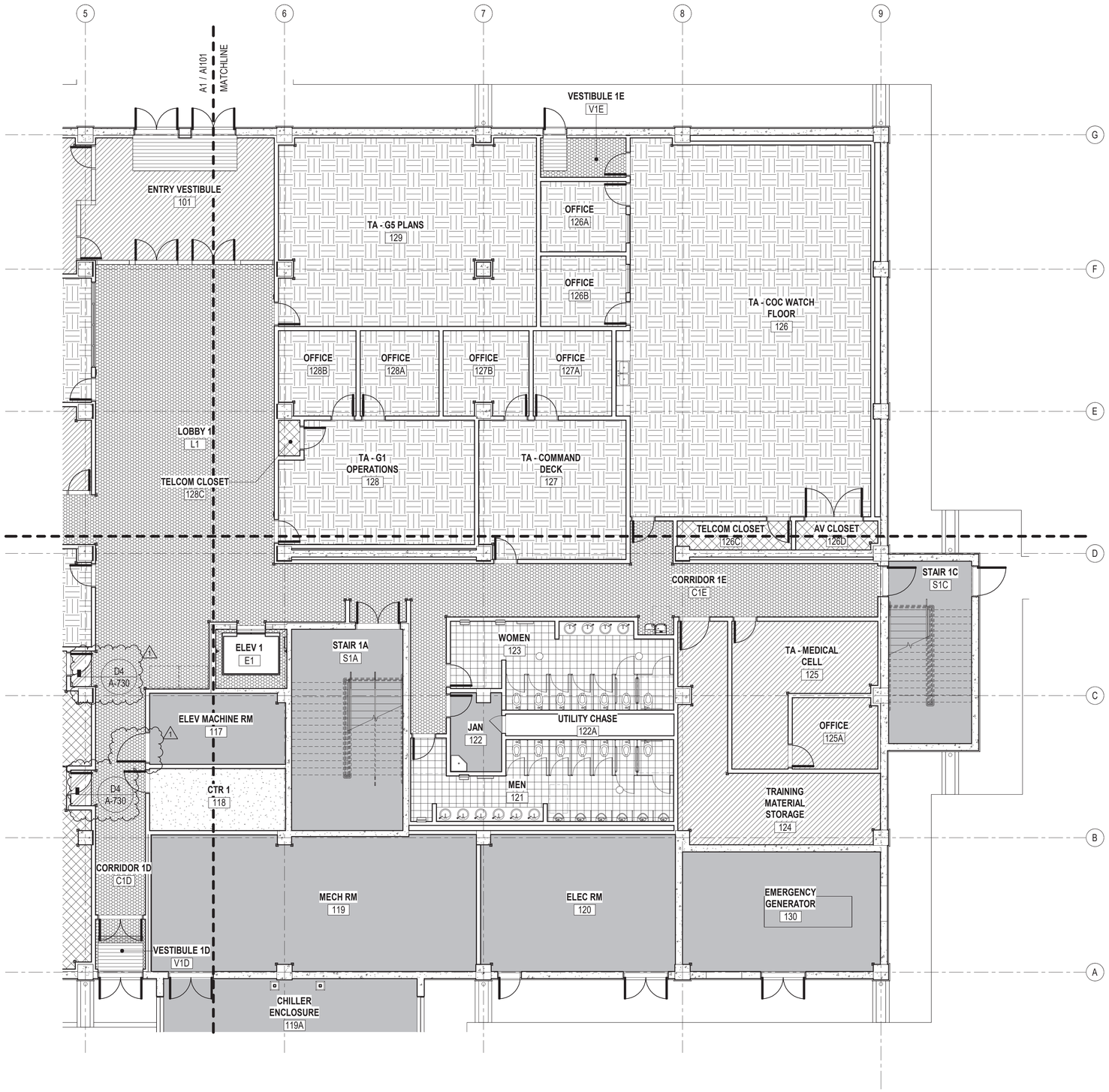


A1 ENLARGED FLOOR FINISH PLAN - 1B

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

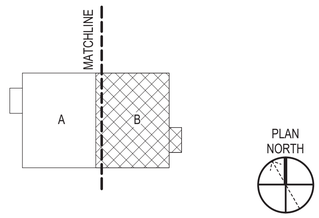
GENERAL SHEET NOTES

1. REFER TO SHEET A-610 FOR COLOR MATERIAL SCHEDULE.
2. REFER TO SHEET A-612 AND A-613 FOR ROOM FINISH SCHEDULE.

FLOOR FINISH LEGEND

CON-1	SEALED CONCRETE
ESD-1	ELECTROSTATIC DISPLACEMENT FLOORING
PT-1	PORCELAIN TILE
PT-2	PORCELAIN TILE
PT-3	PORCELAIN TILE
RAF-1	RAISED ACCESS FLOORING - PT
RAF-2	RAISED ACCESS FLOORING - CPT
RAF-3	RAISED ACCESS FLOORING - ESD
WM-1	WALK-OFF MAT

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DOOR, DETAIL CALLOUT, AND FLOOR TRANSITION	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	AA	DRW	AA	CHK	JG
PM/DM	DKS/DMK				
BRANCH MANAGER	KYM				
CHIEF ENG/ARCH	KYM				
FIRE PROTECTION	RYO				

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED FLOOR FINISH PLAN - 1B

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321980
SHEET 184 OF 468

AI102

DRAWFORM REVISION: 25 AUGUST 2020

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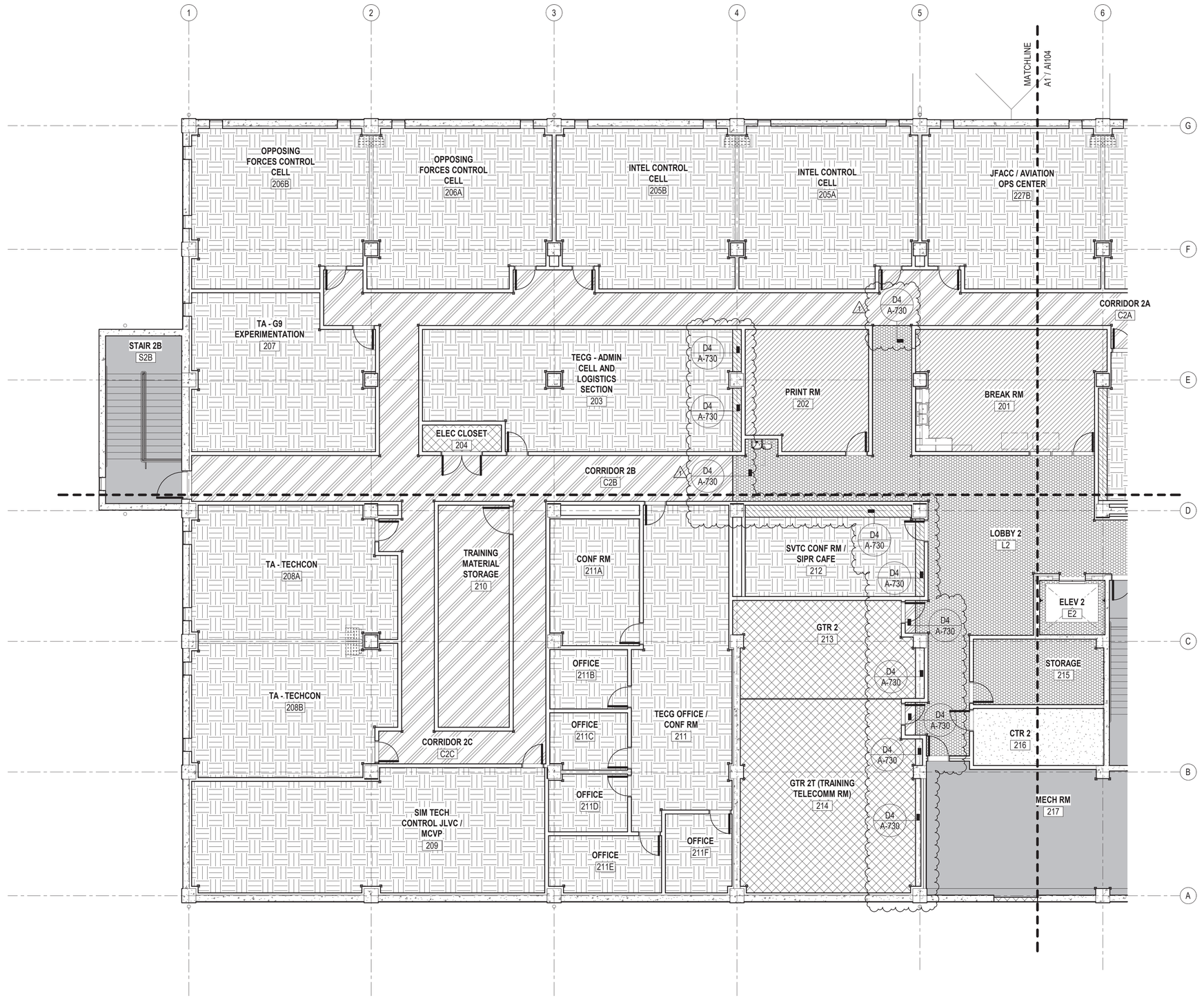
AI102



A1 ENLARGED FLOOR FINISH PLAN - 2A

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

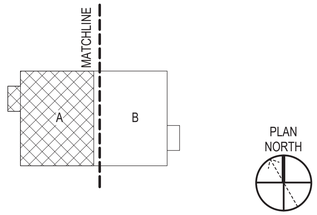
GENERAL SHEET NOTES

1. REFER TO SHEET A-610 FOR COLOR MATERIAL SCHEDULE.
2. REFER TO SHEET A-612 AND A-613 FOR ROOM FINISH SCHEDULE.

FLOOR FINISH LEGEND

CON-1	SEALED CONCRETE
ESD-1	ELECTROSTATIC DISPLACEMENT FLOORING
PT-1	PORCELAIN TILE
PT-2	PORCELAIN TILE
PT-3	PORCELAIN TILE
RAF-1	RAISED ACCESS FLOORING - PT
RAF-2	RAISED ACCESS FLOORING - CPT
RAF-3	RAISED ACCESS FLOORING - ESD
WM-1	WALK-OFF MAT

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DETAIL CALLOUT AND FLOOR TRANSITION	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.
LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	AA	DRW	AA	CHK	JG
PM/DM	DKS/DMK				
BRANCH MANAGER	KYM				
CHIEF ENG/ARCH	KYM				
FIRE PROTECTION	RYO				

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED FLOOR FINISH PLAN - 2A

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321981
SHEET 185 OF 468

AI103

DRAWFORM REVISION: 25 AUGUST 2020

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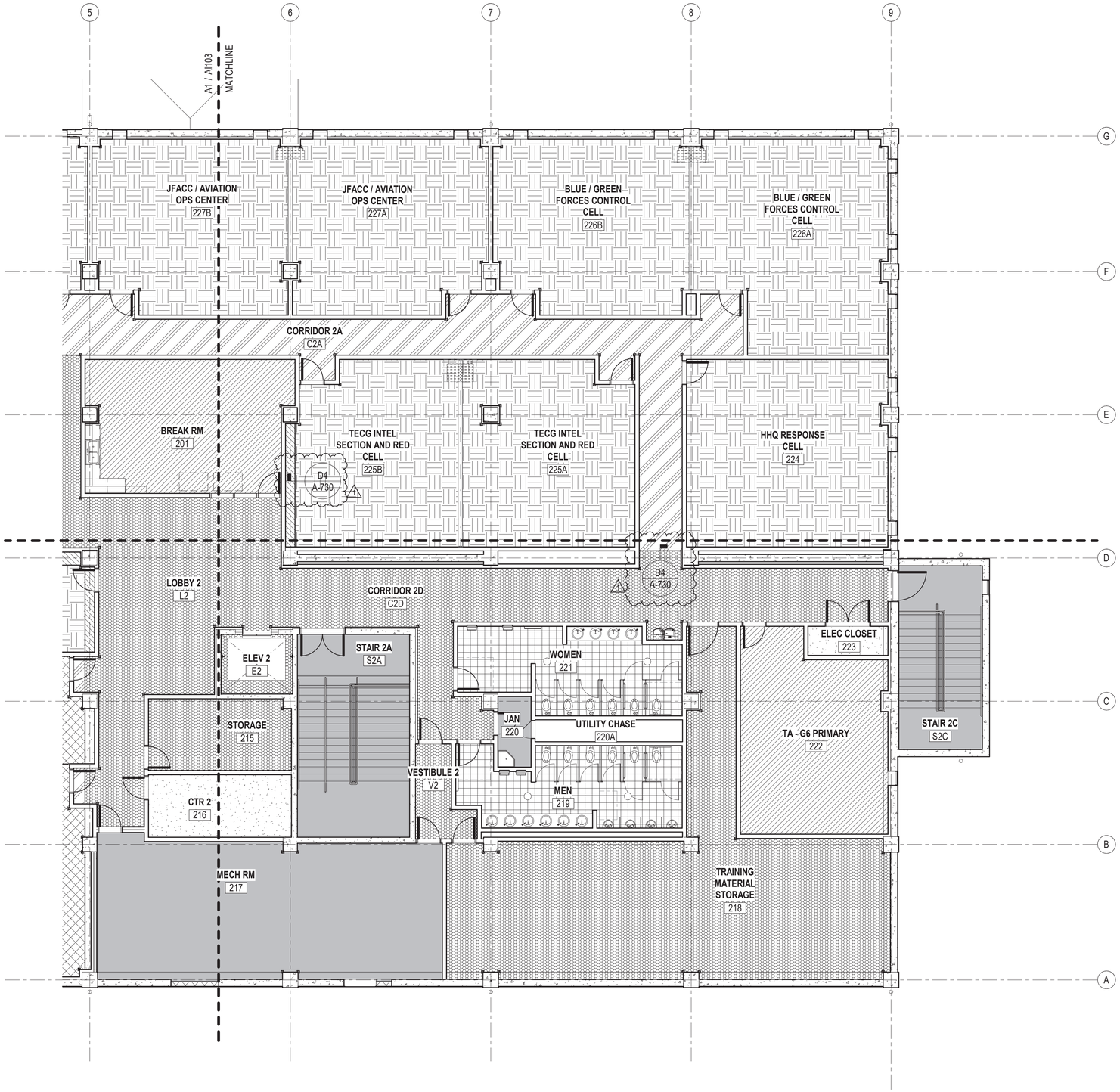


A1 ENLARGED FLOOR FINISH PLAN - 2B

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

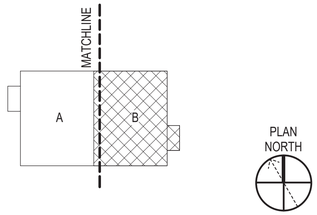
GENERAL SHEET NOTES

1. REFER TO SHEET A-610 FOR COLOR MATERIAL SCHEDULE.
2. REFER TO SHEET A-612 AND A-613 FOR ROOM FINISH SCHEDULE.

FLOOR FINISH LEGEND

CON-1	SEALED CONCRETE
ESD-1	ELECTROSTATIC DISPLACEMENT FLOORING
PT-1	PORCELAIN TILE
PT-2	PORCELAIN TILE
PT-3	PORCELAIN TILE
RAF-1	RAISED ACCESS FLOORING - PT
RAF-2	RAISED ACCESS FLOORING - CPT
RAF-3	RAISED ACCESS FLOORING - ESD
WM-1	WALK-OFF MAT

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ADDED DETAIL CALLOUT AND FLOOR TRANSITION	4/27/26	

NAVFAC

MYLES M. MICHIBATA
LICENSED PROFESSIONAL ARCHITECT
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26
SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	AA	DRW	AA	CHK	JG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED FLOOR FINISH PLAN - 2B

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17321982
SHEET 186 OF 468

AI104

DRAWFORM REVISION: 25 AUGUST 2020

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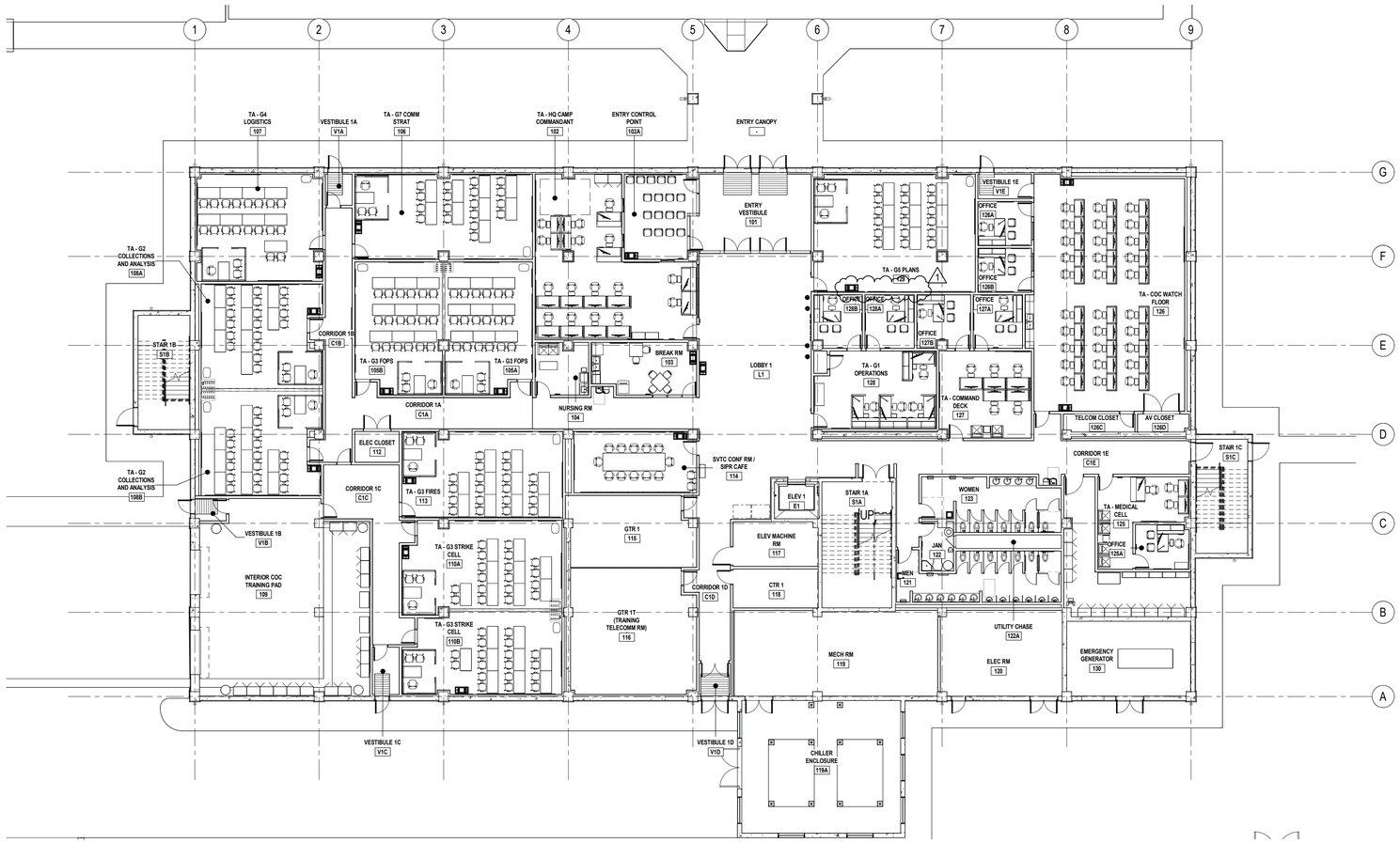
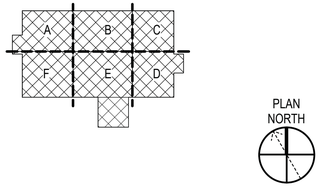


1 OVERALL FIRST FLOOR FF&E PLAN

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

GENERAL SHEET NOTES

KEY PLAN



GRAPHIC SCALE(S)

1/16" = 1' - 0" 0 5' 10' 20' 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	ADDED AC-12 AND AC-5	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY

NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES AA DRW AA/BK CHK JG

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

OVERALL FIRST FLOOR FF&E PLAN

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17321997

SHEET 187 OF 468

I-801

DRAWFORM REVISION: 25 AUGUST 2020

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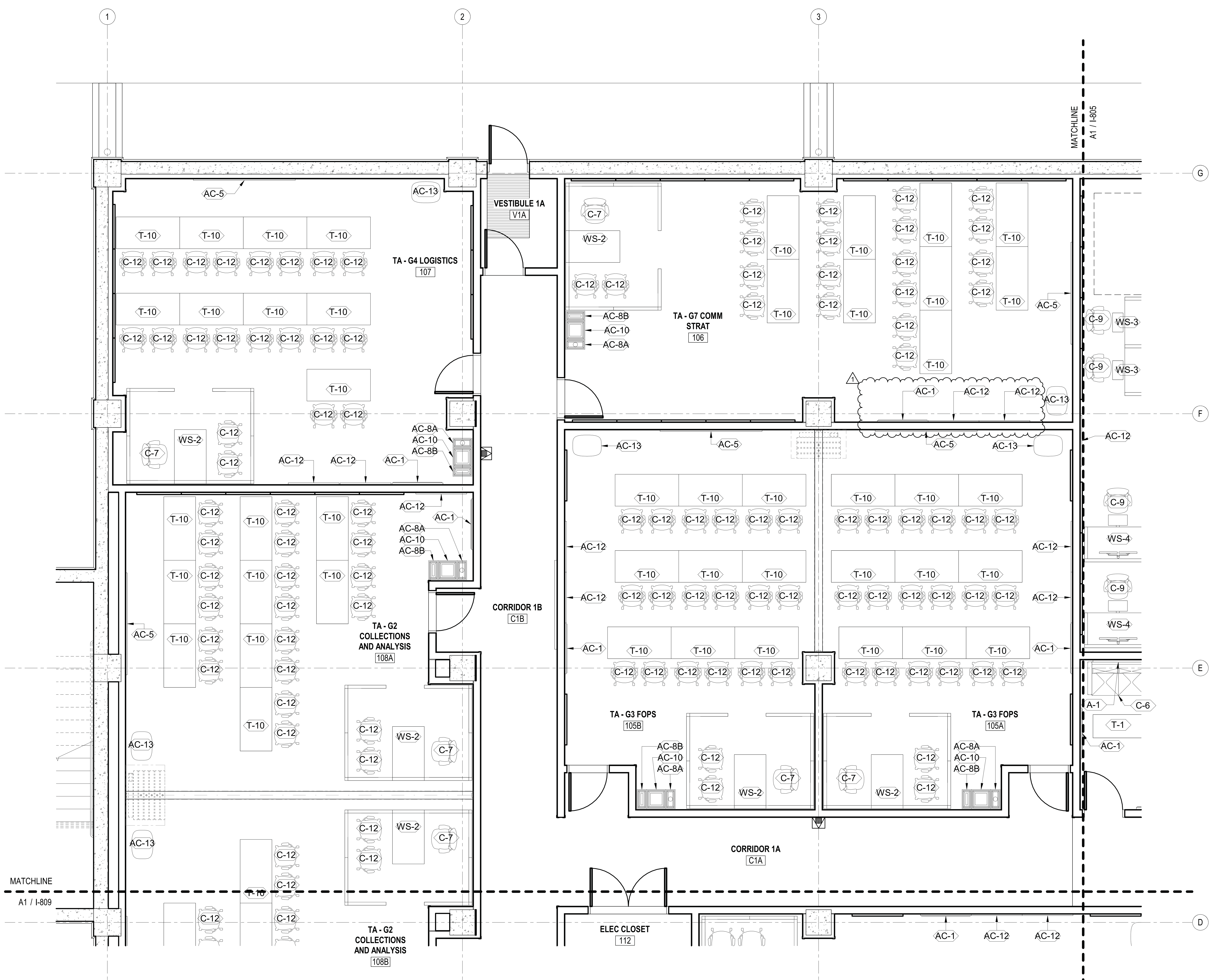

A1 ENLARGED FF&E FLOOR PLAN - 1A

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

GENERAL SHEET NOTES

1. REFER TO SHEET I-803 FOR FF&E SCHEDULE.
2. REFER TO THE SEPARATE AUDIO-VISUAL (AV) PACKAGE FOR ALL ITS SYSTEM COMPONENTS.

KEY PLAN

PLAN NORTH

GRAPHIC SCALE(S)

1/4" = 1' - 0"   0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED AC-12	4/27/26	

LICENSED PROFESSIONAL ARCHITECT
MYLES M. MICHIBATA
No. 12367
HAWAII, U.S.A.
LIC. EXP 04/30/26

APPROVED
FOR COMMANDER NAVFAC   DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO   DATE 3/10/2026

DES AA	DRW AA/BK	CHK JG
PM/DM		DKS/DMK
BRANCH MANAGER		KYM
CHIEF ENG/ARCH		KYM
FIRE PROTECTION		RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
NAVFAC PACIFIC
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED FF&E FLOOR PLAN - 1A

SCALE: AS NOTED
EPROJECT NO. 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322000
SHEET 190 OF 468

I-804

DRAWFORM REVISION: 25 AUGUST 2020

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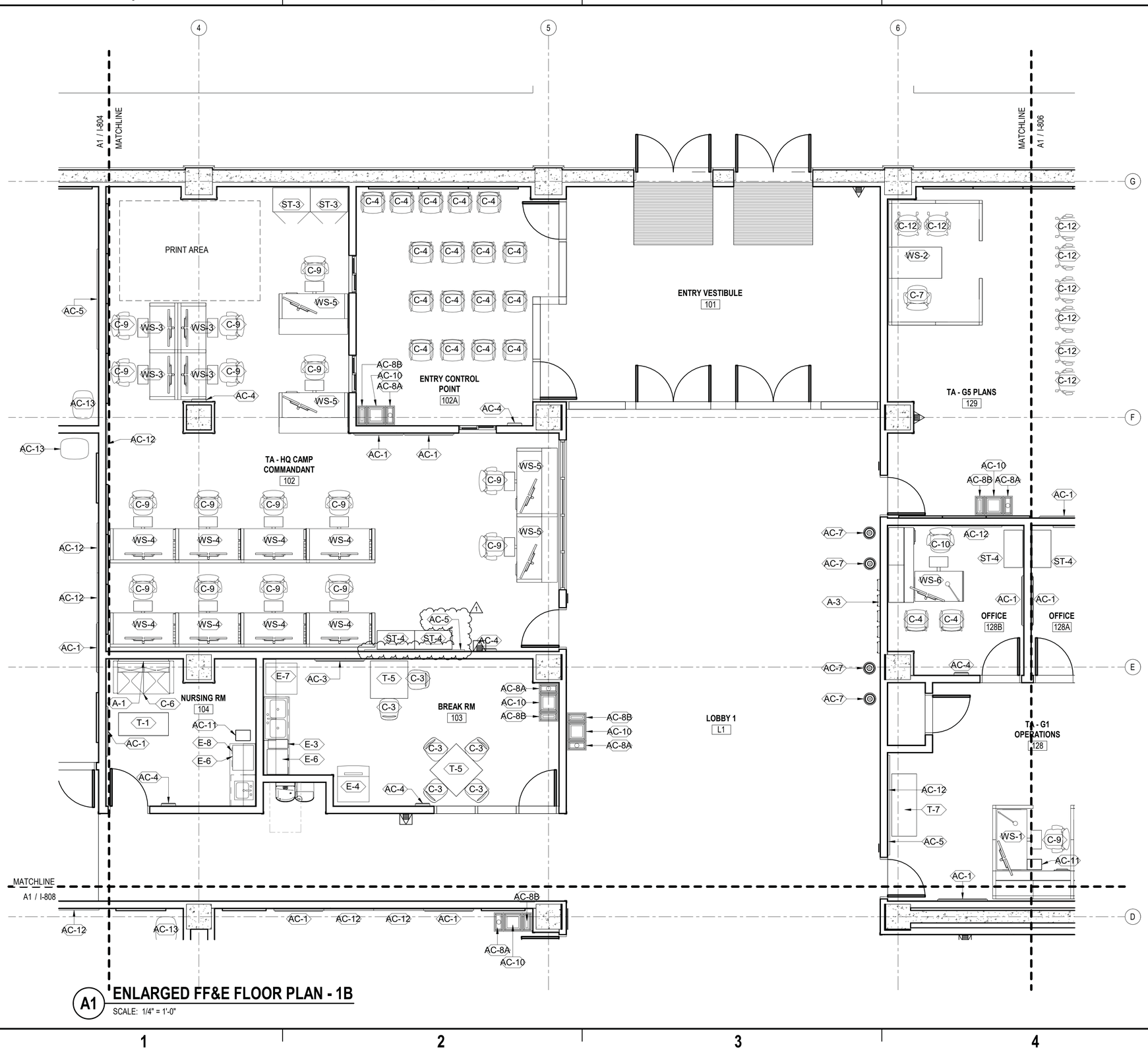


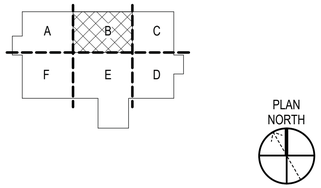
A1 ENLARGED FF&E FLOOR PLAN - 1B

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

GENERAL SHEET NOTES

1. REFER TO SHEET I-803 FOR FF&E SCHEDULE.
2. REFER TO THE SEPARATE AUDIO-VISUAL (AV) PACKAGE FOR ALL ITS SYSTEM COMPONENTS.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED AC-5	4/27/26	

NAVFAC

MYLES M. MICHIBATA LICENSED PROFESSIONAL ARCHITECT No. 12367 HAWAII, U.S.A.

LIC. EXP 04/30/26 SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE: 3/10/2026

DES: AA DRW: AA/BK CHK: JG

PM/DM: DKS/DMK

BRANCH MANAGER: KYM

CHIEF ENG/ARCH: KYM

FIRE PROTECTION: RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED FF&E FLOOR PLAN - 1B

SCALE: AS NOTED

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17322001

SHEET 191 OF 468

I-805

DRAWFORM REVISION: 25 AUGUST 2020

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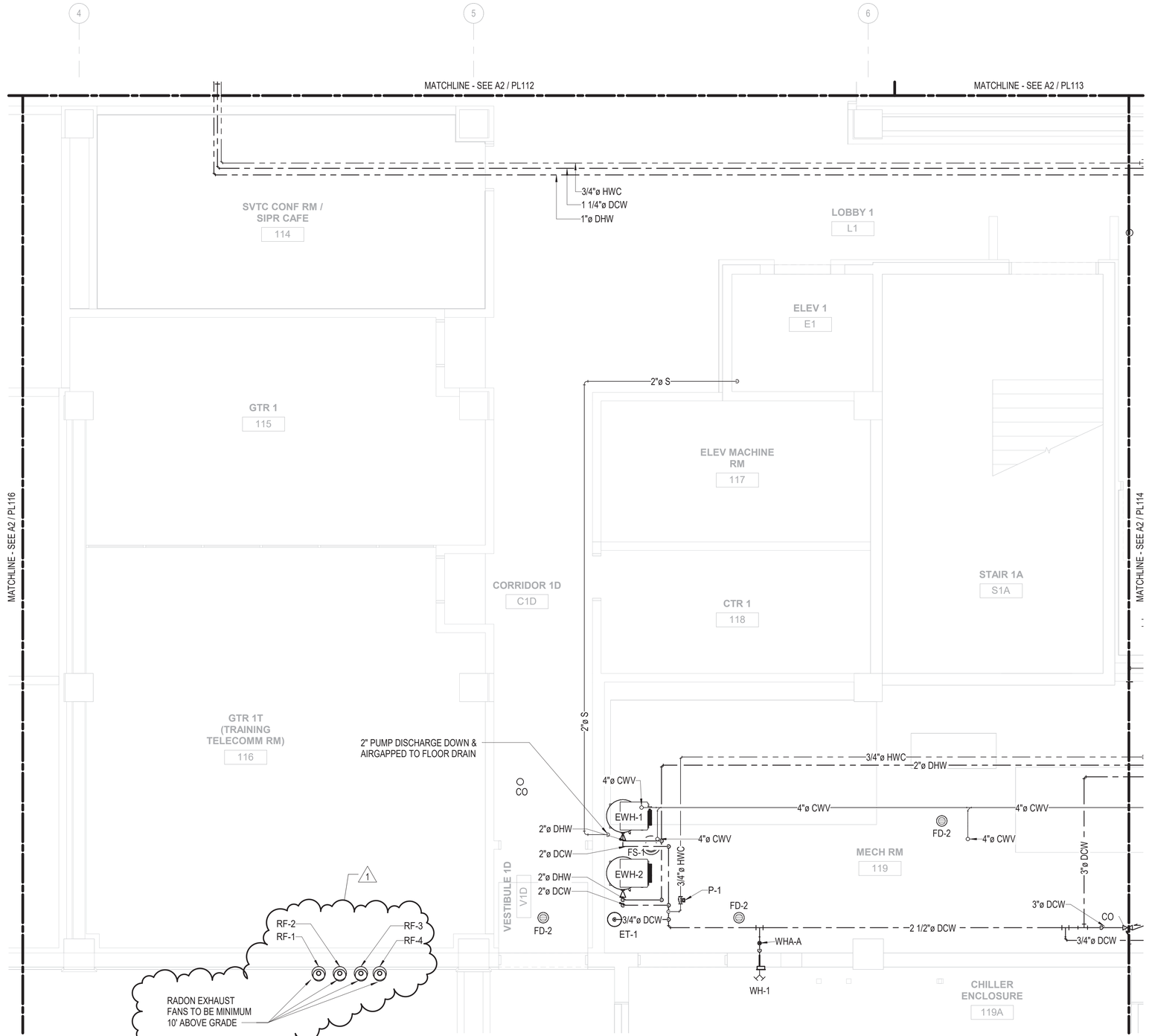
I-805

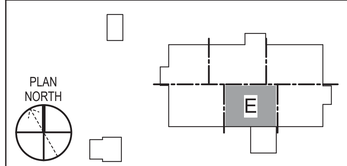


A2 PLUMBING PLAN - FIRST FLOOR - AREA 'E'

1/4" = 1'-0"

GENERAL NOTES

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADDED NEW RADON EXHAUST FANS	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AL	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - PACIFIC
MAKALAPA, HAWAII

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

PLUMBING PLAN - FIRST FLOOR - AREA 'E'

SCALE: 1/4" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322061
SHEET 231 OF 468

PL115

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:53:20 PM PL115
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EXPANSION TANK PLUMBING (ET) SCHEDULE

PLAN DESIGNATION	SERVICE	TYPE	MIN TANK VOLUME (GAL)	MIN ACCEPTANCE VOLUME (GAL)	TANK RATED PRESSURE (PSIG)	MIN SYSTEM TEMPERATURE (°F)	MAX SYSTEM TEMPERATURE (°F)	MIN SYSTEM PRESSURE (PSIG)	MAX SYSTEM PRESSURE (PSIG)	SET PRESSURE (PSIG)	NOTES
ET-1	DOMESTIC HOT WATER	POTABLE WATER BLADDER TYPE EXPANSION TANK	10.0	10.0	150.0	80.0	140.0	19.7	135.0	19.7	(1) (2) (3) (4)

NOTES:
1. CONSTRUCTED IN ACCORDANCE WITH ASME SECTION VIII DIVISION 1
2. ROUTE DRAINS TO NEAREST FLOOR DRAIN
3. PROVIDE 4" CONCRETE EQUIPMENT PAD
4. PROVIDE TANK SUITABLE FOR DOMESTIC WATER SERVICE

SUMP PUMP (SMP) SCHEDULE

PLAN DESIGNATION	TYPE	SERVICE	LOCATION	FLOW RATE (GPM)	OPERATING HEAD (FT)	PUMP SPEED	MOTOR POWER (HP)	VOLTAGE	HZ	PHASE	DISCHARGE SIZE (IN)	NOTES
SMP-1	SUBMERSIBLE SUMP	WATER	ELEVATOR PIT	50	30	3450	0.5	115	60	1	2"	(1) (2)

NOTES:
1. PROVIDE PUMP WITH FLOAT SWITCH
2. PROVIDE CONTROL PANEL AND OIL DETECTION SYSTEM AND ALARM

1

RADON EXHAUST FAN SCHEDULE

PLAN DESIGNATION	TYPE	SERVICE	MAX DESIGN AIRFLOW (CFM)	RPM	ELECTRICAL			NOTES
					VOLTAGE	HZ	PHASE	
RF-1	INLINE	RADON MITIGATION	330	4099	120	60	1	
RF-2	INLINE	RADON MITIGATION	330	4099	120	60	1	
RF-3	INLINE	RADON MITIGATION	330	4099	120	60	1	
RF-4	INLINE	RADON MITIGATION	330	4099	120	60	1	

SYM	DESCRIPTION	DATE	APPR
1	ADDED NEW RADON FAN SCHEDULE	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AL	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
PACIFIC
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
PLUMBING SCHEDULES - SHEET 2

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322076
SHEET 246 OF 468

PL601

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:53:20 PM PL601
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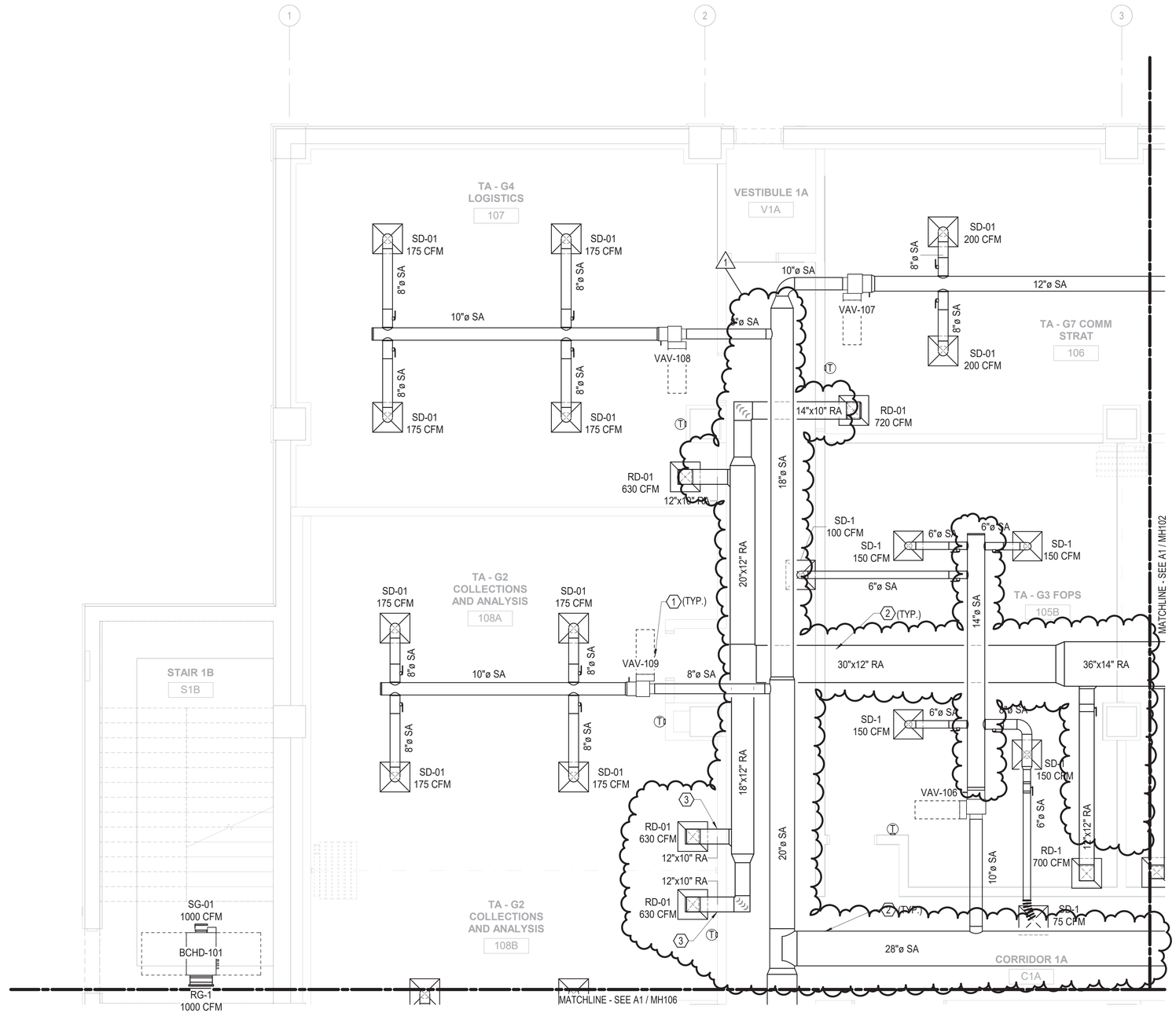


A1 HVAC DUCT PLAN - FIRST FLOOR - AREA 'A'

1/4" = 1'-0"

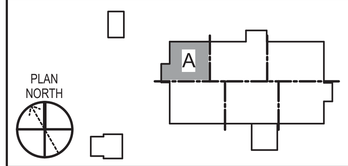
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV , SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE MANBAR & ACCESS PANEL IN THE DUCTWORK MORE OR EQUAL TO 96 SQUARE INCH PASSING THROUGH THE SECURE AREA. SEE ARCHITECTURAL PLAN FOR SECURE AREA. SEE INSTALLATION DETAIL ON SHEET MH502.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

JITENDRA VALMIK 062-072817 — LICENSED PROFESSIONAL ENGINEER — STATE OF ILLINOIS

EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP
QA/QC				DKS/DMK	
BRANCH MANAGER				KYM	
CHIEF ENGIARCH				KYM	
FIRE PROTECTION				RYO	

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - PACIFIC
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
~ MAKALAPA, HAWAII

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC DUCT PLAN - FIRST FLOOR - AREA 'A'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322094
SHEET 254 OF 468

MH101

DRAWFORM REVISION: 25 AUGUST 2020

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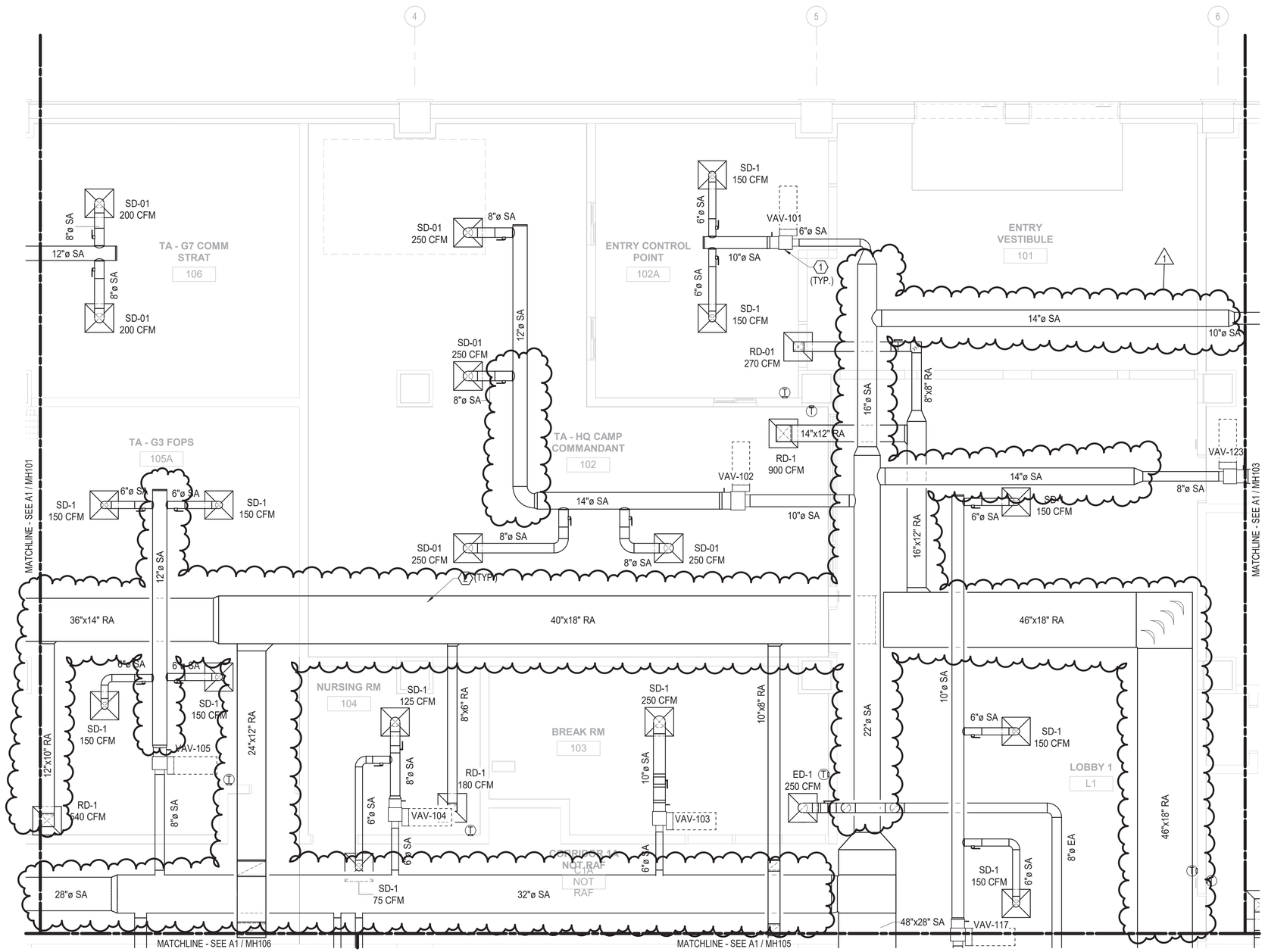

A1 HVAC DUCT PLAN - FIRST FLOOR - AREA 'B'

1/4" = 1'-0"

GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

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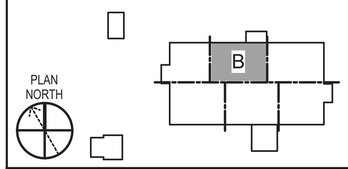
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PMDM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - PACIFIC
NAVFAC PACIFIC
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MAKALAPA, HAWAII

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC DUCT PLAN - FIRST FLOOR - AREA 'B'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322095
SHEET 255 OF 468

MH102

DRAWFORM REVISION: 25 AUGUST 2020

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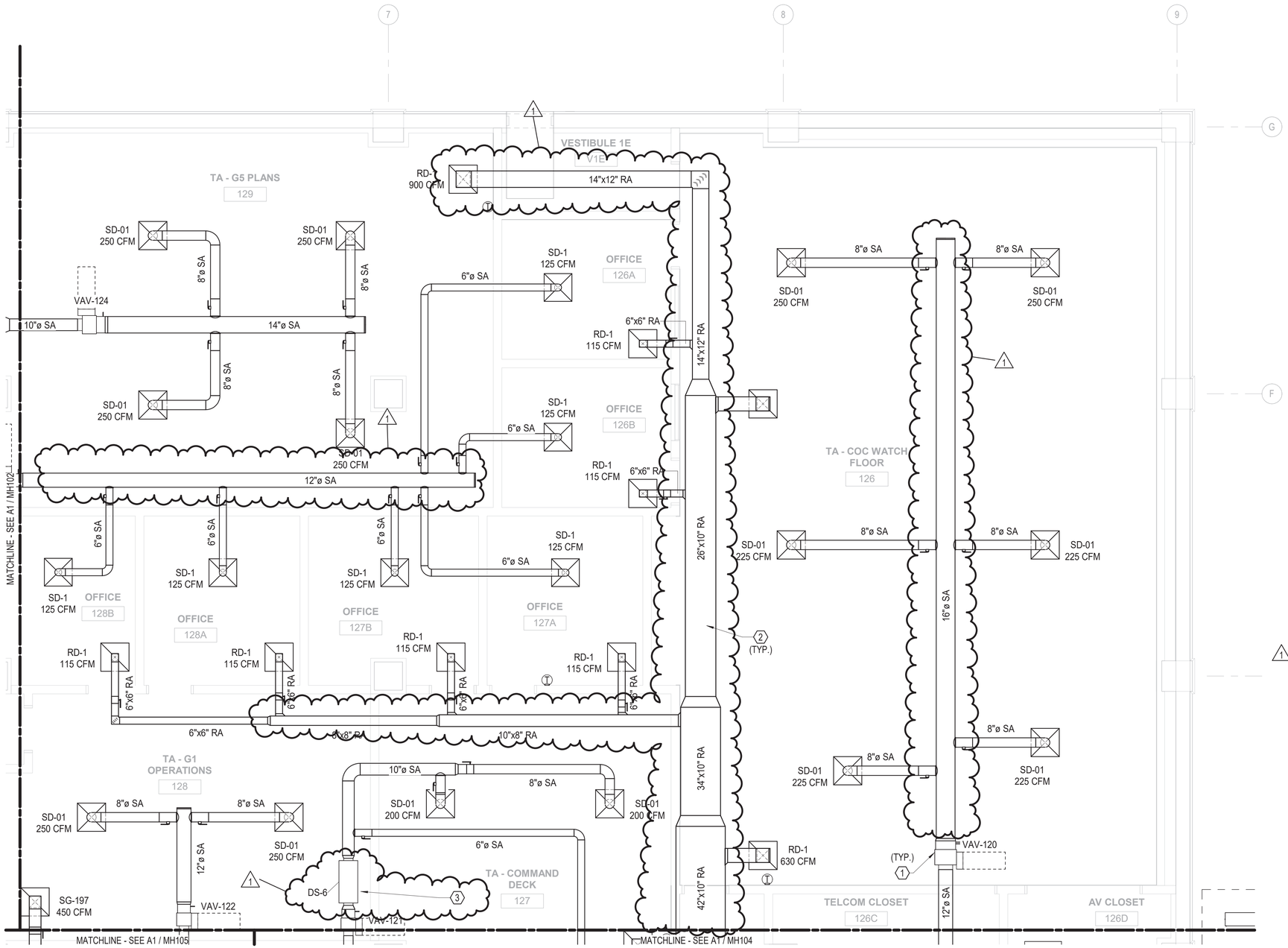
MH102



A1 HVAC DUCT PLAN - FIRST FLOOR - AREA 'C'

1/4" = 1'-0"

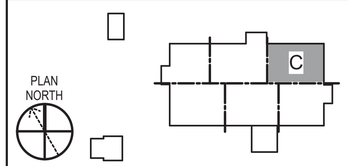
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE NEW DUCT SILENCER AS INDICATED PER SCHEDULE. VERIFY EXACT PERFORMACE WITH MANUFACTURER FOR ACTUAL MAKE & MODEL USED.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

JITENDRA VALMIK 062-072817 — LICENSED PROFESSIONAL ENGINEER — STATE OF ILLINOIS

EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAV/SUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC DUCT PLAN - FIRST FLOOR - AREA 'C'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322096
SHEET 256 OF 468

MH103

DRAWFORM REVISION: 25 AUGUST 2020

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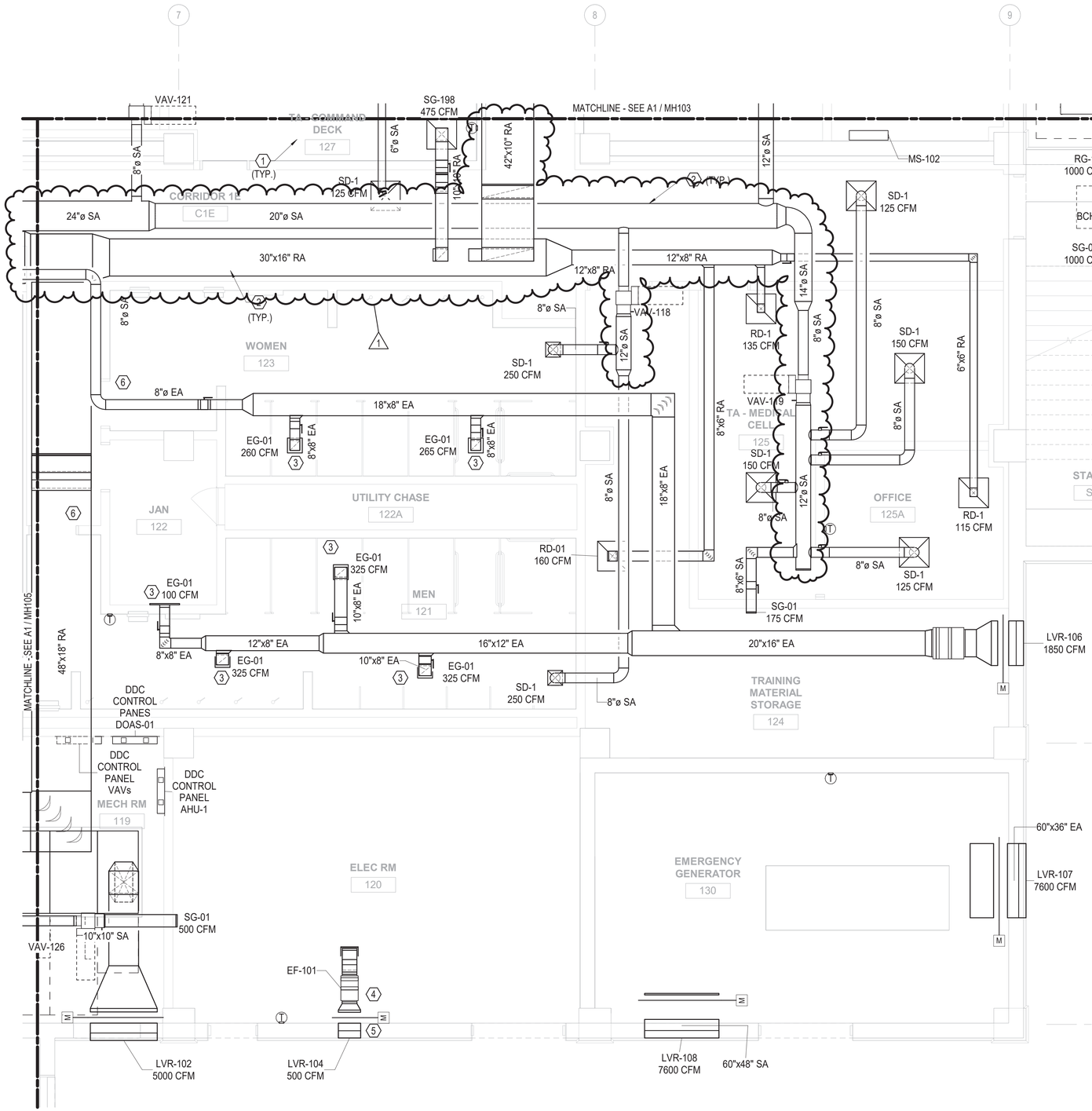


A1 HVAC DUCT PLAN - FIRST FLOOR - AREA 'D'

1/4" = 1'-0"

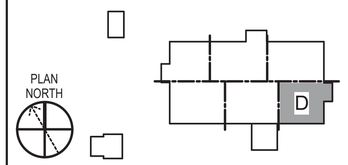
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE MANUAL BALANCING DAMPER IN EXHAUST GRILLES FACE WHERE LOCATED IN GYP CEILING & NOT ACCESSIBLE.
4. PROVIDE NEW EXHAUST FAN AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE.
5. PROVIDE NEW WALL LOUVER AS INDICATED PER SCHEDULE. COORDINATE EXACT SIZE & LOCATION IN FIELD WITH ARCHITECTURAL & STRUCTURAL.
6. PROVIDE 24" X 12" DOOR TRANSFER GRILLS FOR ALL RESTROOM DOORS.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.
AE INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND PACIFIC
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC DUCT PLAN - FIRST FLOOR - AREA 'D'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322097
SHEET 257 OF 468

MH104

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:43:56 PM MH104
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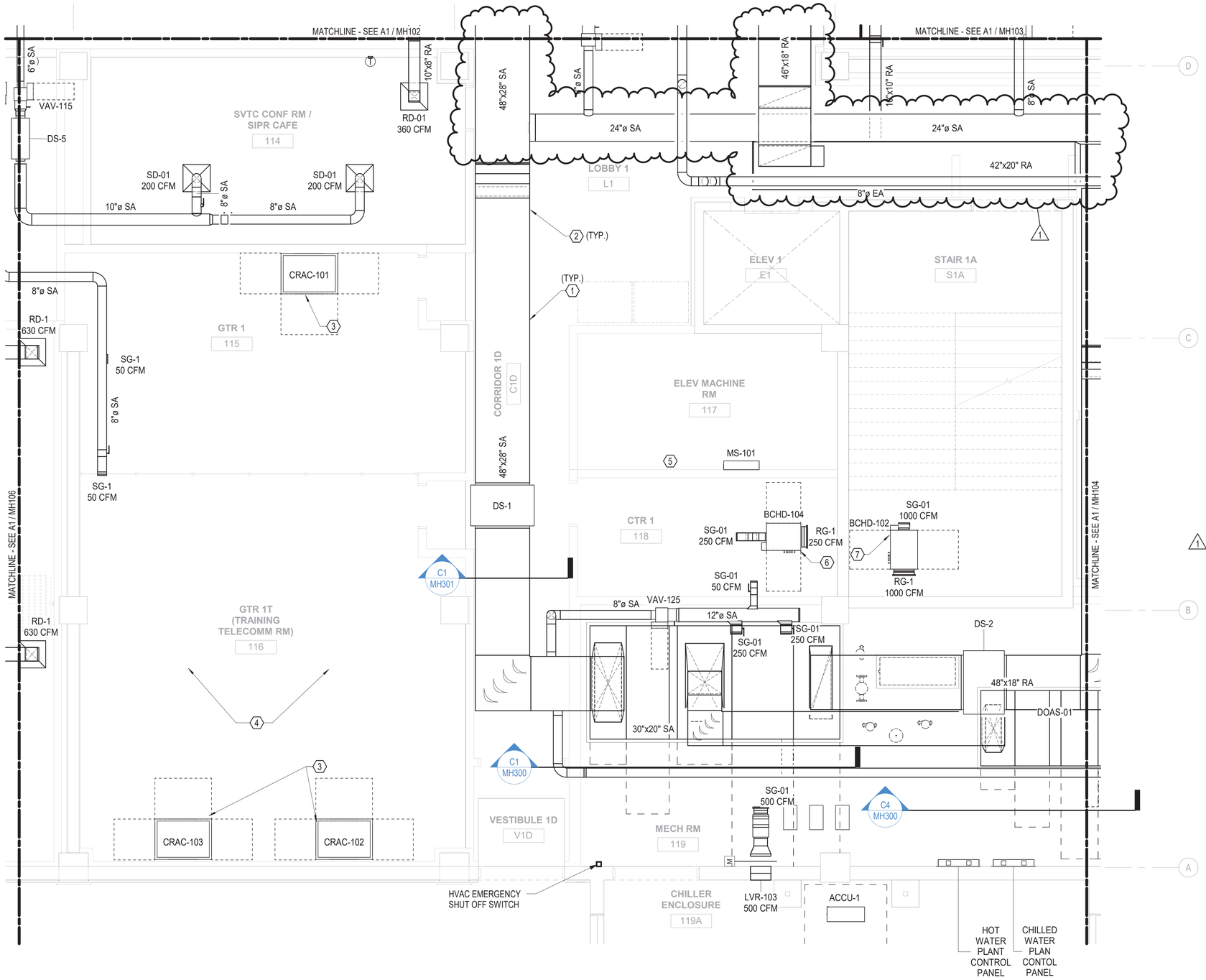


A1 HVAC DUCT PLAN - FIRST FLOOR - AREA 'E'

1/4" = 1'-0"

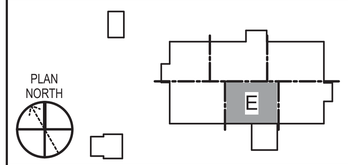
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE NEW CRAC UNIT AS INDICATED PER SCHEDULE FOR RAISED FLOOR APPLICATION. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE.
4. PROVIDE NEW FLOOR TILE DIFFUSER FOR AIR DISTRIBUTION. COORDINATE EXACT LOCATION WITH SERVER LOCATIONS IN FIELD. (TYP. 10)
5. PROVIDE NEW MINI-SPLIT SYSTEM AS INDICATED PER SCHEDULE INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE.
6. PROVIDE NEW BCHD AS INDICATED PER SCHEDULE INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE.
7. PROVIDE NEW STAINLESS STEEL DRIP PAN WITH LEAK DETECTION SENSOR. PAN TO HAVE MIN. 2" LIP UNDERNEATH BCHD. PAN TO COMPLETELY COVER BCHD & EXTEND MIN. 2" ALL SIDE FROM UNIT EDGE.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

JITENDRA VALMIK 062-072817 STATE OF ILLINOIS LICENSED PROFESSIONAL ENGINEER

EXP: 11/30/2027
SIGNED: 05/11/2026 EST.

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP
QDM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKAKILAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC DUCT PLAN - FIRST FLOOR - AREA 'E'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322098
SHEET 258 OF 468

MH105

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:43:57 PM MH105
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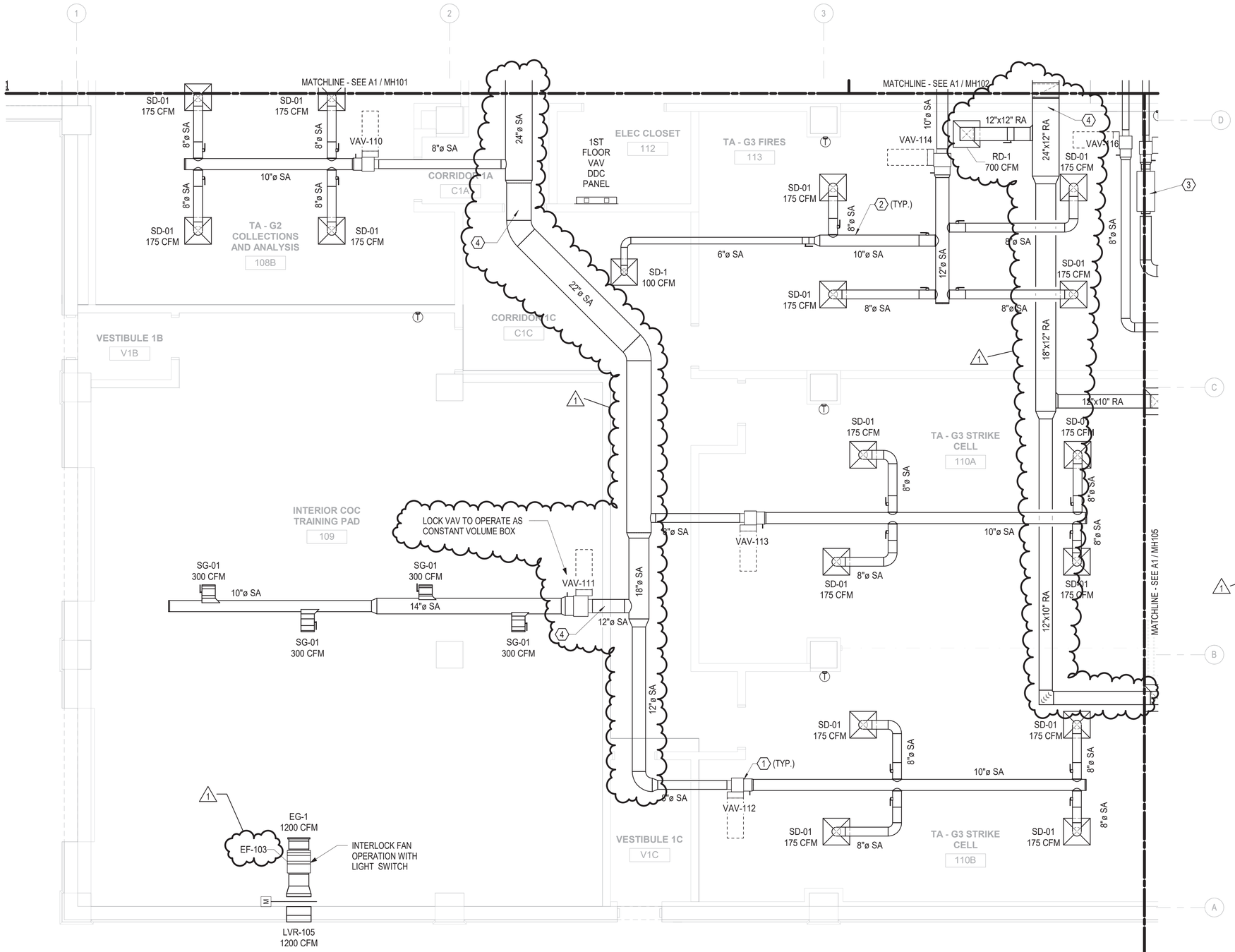

GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

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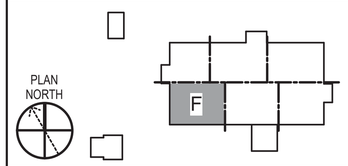
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE NEW DUCT SILENCER AS INDICATED PER SCHEDULE. VERIFY EXACT PERFORMACE WITH MANUFACTURER FOR ACTUAL MAKE & MODEL USED.
4. PROVIDE MANBAR & ACCESS PANEL IN THE DUCTWORK MORE OR EQUAL TO 96 SQUARE INCH PASSING THROUGH THE SECURE AREA. SEE ARCHITECTURAL PLAN FOR SECURE AREA. SEE INSTALLATION DETAIL ON SHEET MH502.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

A1 HVAC DUCT PLAN - FIRST FLOOR - AREA 'F'

1/4" = 1'-0"

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE	3/10/2026		
DES	JV	DRW AS	CHK AP
PGM			DKS/DMK
BRANCH MANAGER			KYM
CHIEF ENG/ARCH			KYM
FIRE PROTECTION			RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC DUCT PLAN - FIRST FLOOR - AREA 'F'

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322099
SHEET	259 OF 468

MH106

DRAWFORM REVISION: 25 AUGUST 2020

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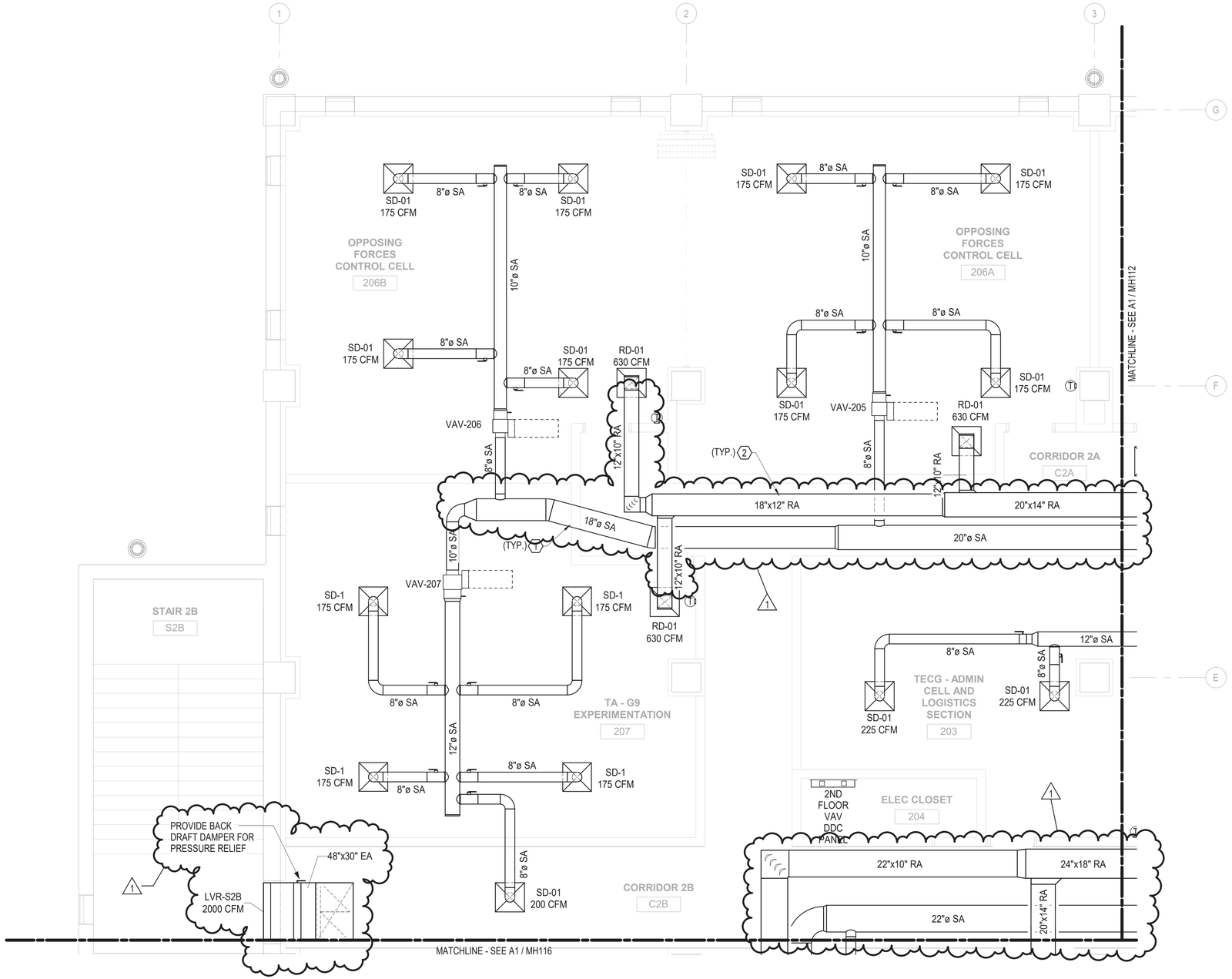


A1 HVAC DUCT PLAN - SECOND FLOOR - AREA 'A'

1/4" = 1'-0"

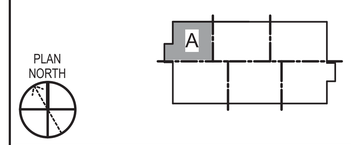
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC ~ MAKALAPA, HAWAII

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC DUCT PLAN - SECOND FLOOR - AREA 'A'

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322101
SHEET	261 OF 468

MH111

DRAWFORM REVISION: 25 AUGUST 2020

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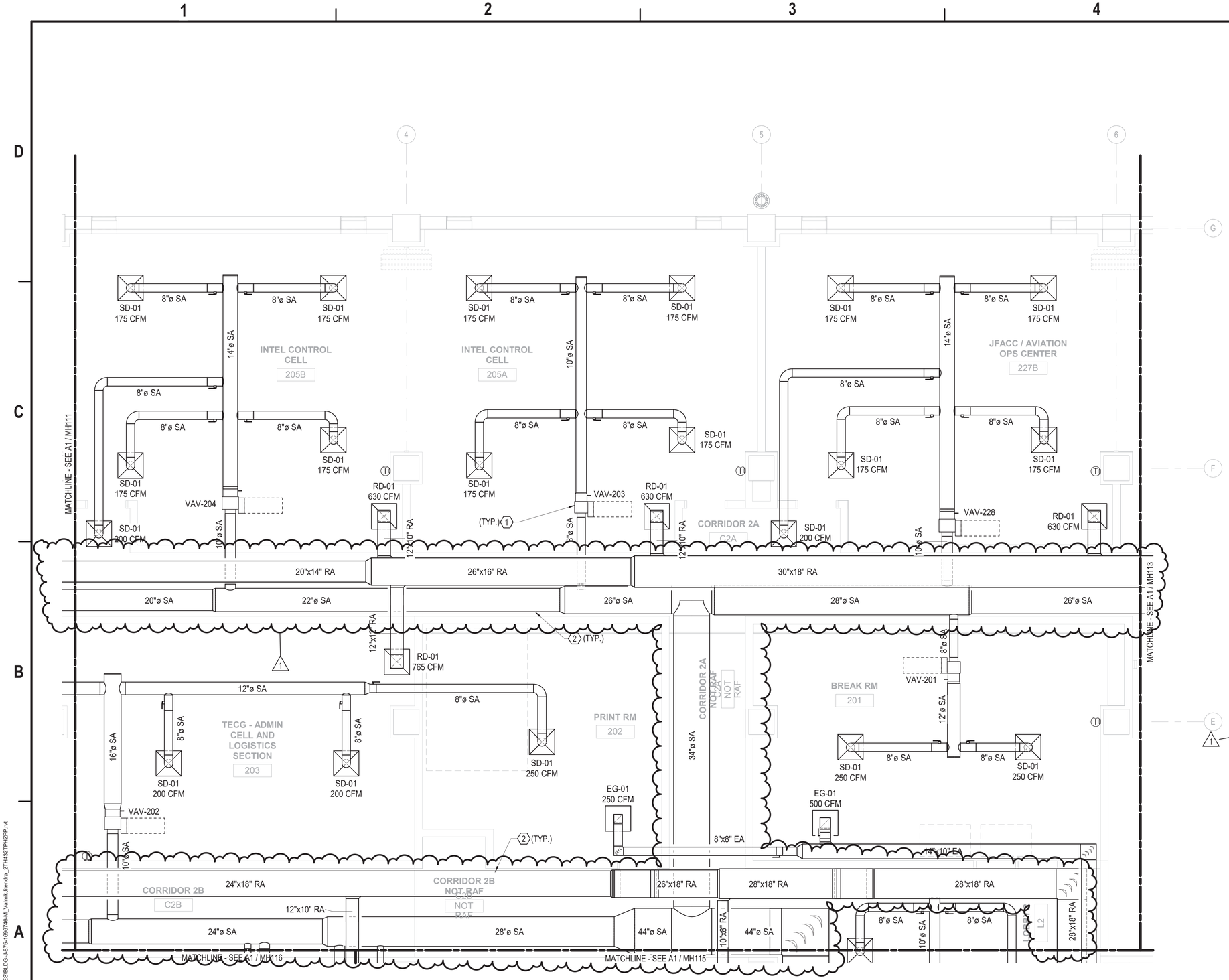


A1 HVAC DUCT PLAN - SECOND FLOOR - AREA 'B'

1/4" = 1'-0"

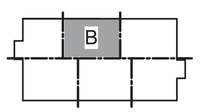
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE NEW DUCT SILENCER AS INDICATED PER SCHEDULE. VERIFY EXACT PERFORMACE WITH MANUFACTURER FOR ACTUAL MAKE & MODEL USED.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC DUCT PLAN - SECOND FLOOR - AREA 'B'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322102
SHEET 262 OF 468

MH112

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:44:00 PM
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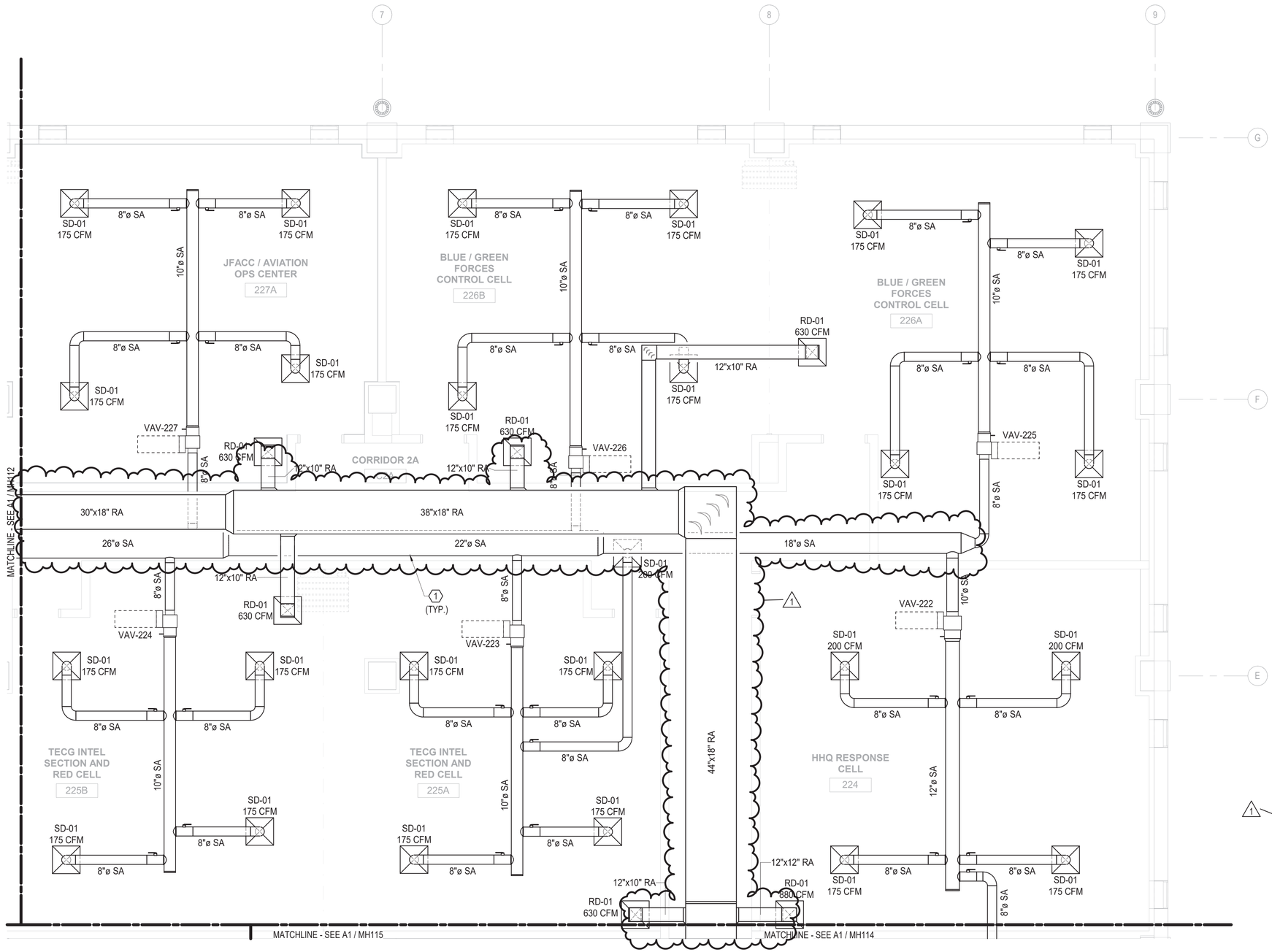
MH112



A1 HVAC DUCT PLAN - SECOND FLOOR - AREA 'C'

1/4" = 1'-0"

GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

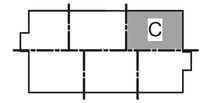
KEY NOTES

(X)

1. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
2. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.

KEY PLAN

PLAN NORTH



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC ~
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC DUCT PLAN - SECOND FLOOR - AREA 'C'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322103
SHEET 263 OF 468

MH113

DRAWFORM REVISION: 25 AUGUST 2020

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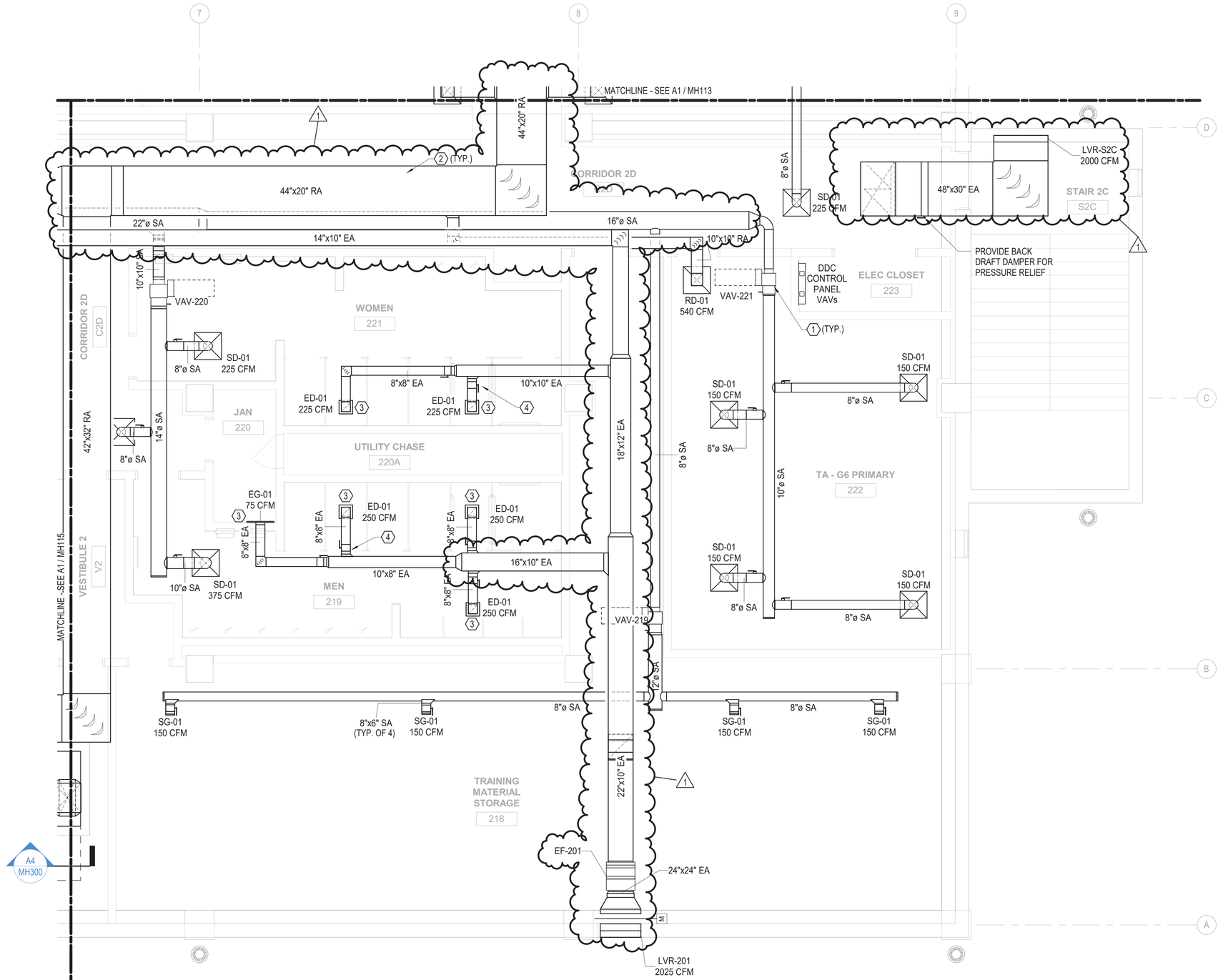


A1 HVAC DUCT PLAN - SECOND FLOOR - AREA 'D'

1/4" = 1'-0"

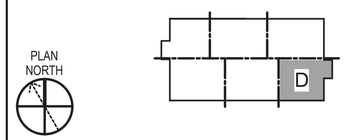
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE MANUAL BALANCING DAMPER IN EXHAUST GRILLES FACE WHERE LOCATED IN GYM CEILING & NOT ACCESSIBLE.
4. COORDINATE LOCATION OF ACCESS PANELS WITH ARCHITECTURAL FOR ACCESS TO MANUAL VOLUME DAMPER FOR BALANCING.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON
PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC DUCT PLAN - SECOND FLOOR - AREA 'D'

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322104
SHEET	264 OF 468

MH114

DRAWFORM REVISION: 25 AUGUST 2020

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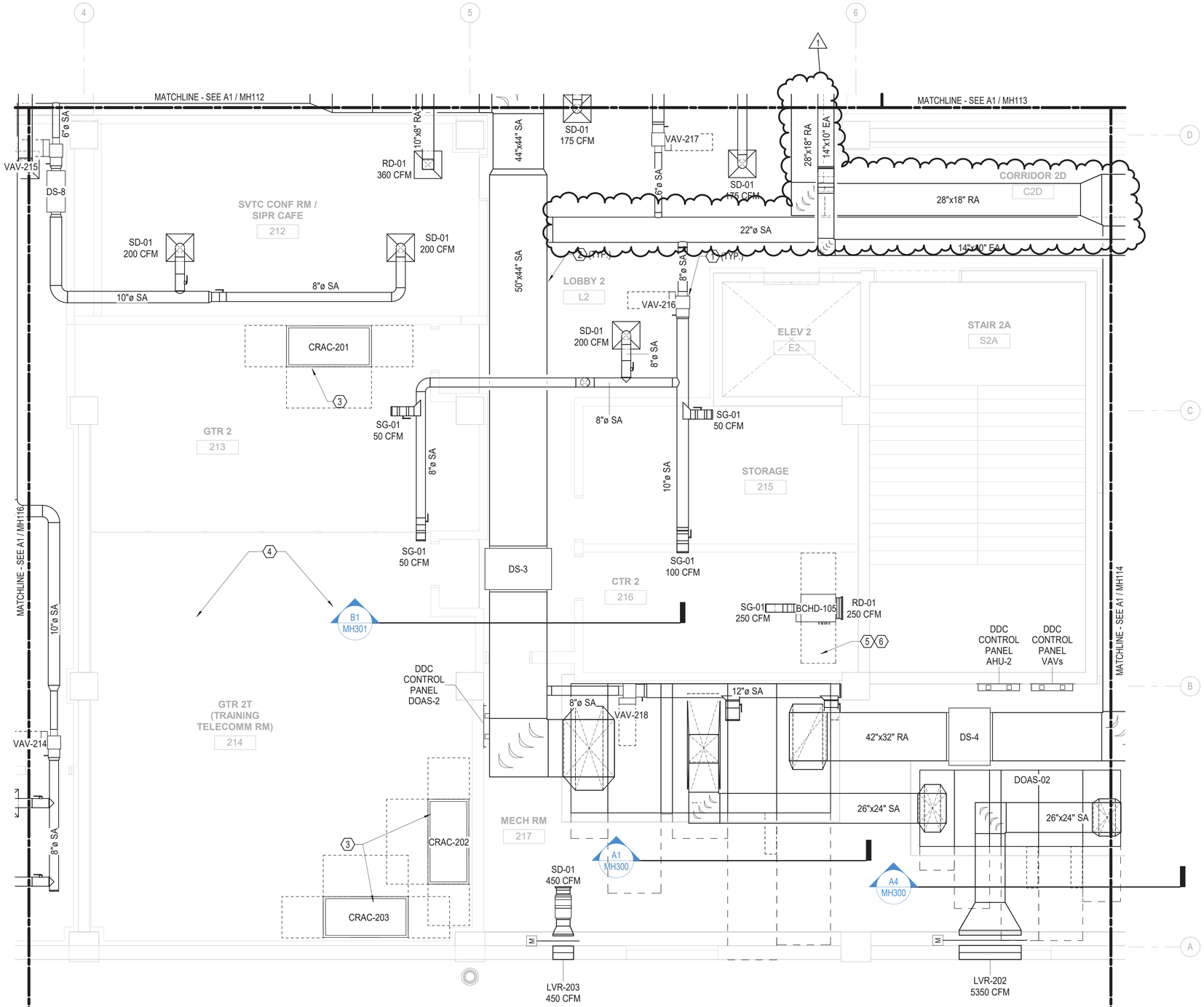


A1 HVAC DUCT PLAN - SECOND FLOOR - AREA 'E'

1/4" = 1'-0"

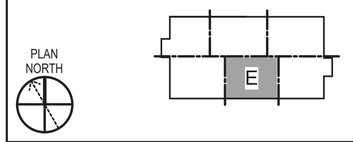
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE NEW CRAC UNIT AS INDICATED PER SCHEDULE FOR RAISED FLOOR APPLICATION. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE.
4. PROVIDE NEW FLOOR TILE DIFFUSER FOR AIR DISTRIBUTION. COORDINATE EXACT LOCATION WITH SERVER LOCATIONS IN FIELD. (TYP. 10)
5. PROVIDE NEW BCHD AS INDICATED PER SCHEDULE INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE.
6. PROVIDE NEW STAINLESS STEEL DRIP PAN WITH LEAK DETECTION SENSOR. PAN TO HAVE MIN. 2" LIP UNDERNEATH BCHD. PAN TO COMPLETELY COVER BCHD & EXTEND MIN. 2" ALL SIDE FROM UNIT EDGE.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND, PACIFIC
NAVFAC PACIFIC
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
MAKALAPA, HAWAII

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC DUCT PLAN - SECOND FLOOR - AREA 'E'

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322105
SHEET	265 OF 468

MH115

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:44:03 PM MH115
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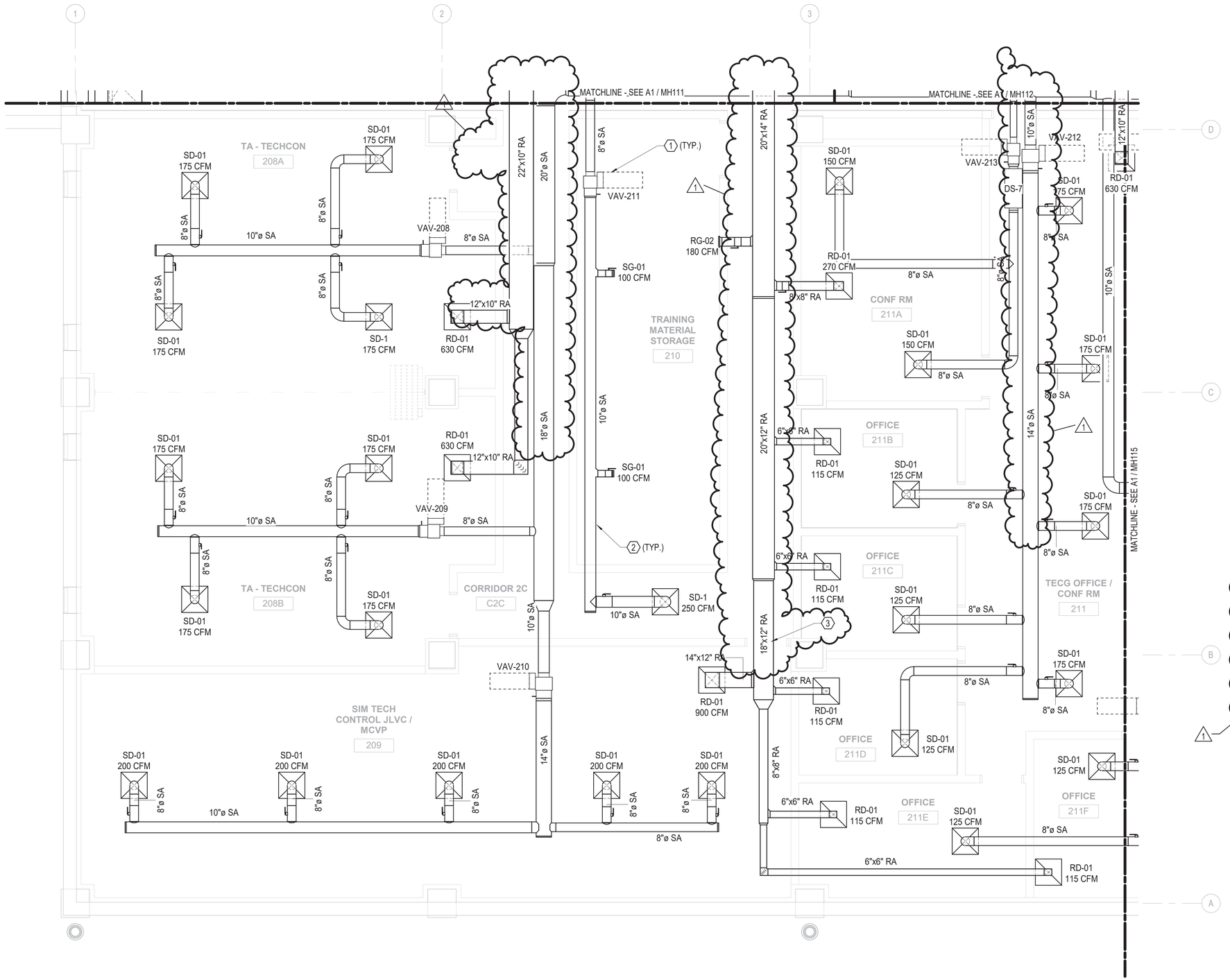


A1 HVAC DUCT PLAN - SECOND FLOOR - AREA 'F'

1/4" = 1'-0"

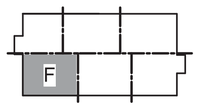
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. MAXIMUM BEND FOR FLEX DUCTS IS 45° AND MAXIMUM LENGTH OF DUCT IS 5'-0".
3. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEY NOTES

1. PROVIDE NEW VAV BOX AS INDICATED PER SCHEDULE. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. MAINTAIN RECOMMENDED CLEARANCES FOR SERVICE & MIN. STRAIGHT LENGHT UPSTREAM OF VAV . SEE DETAIL FOR PIPING & INSTALLATION.MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LOW VOLTAGE CONTROL WIRING FROM DDC CONTROL PANEL FOR VAV TO ALL THE VAV BOXES. PROVIDE DISCONNECT FOR VAV.
2. PROVIDE NEW SUPPLY, RETURN, EXHAUST & TRANSFER DUCTWORK AS INDICATED. INSULATE DUCTWORK PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
3. PROVIDE MANBAR & ACCESS PANEL IN THE DUCTWORK MORE OR EQUAL TO 96 SQUARE INCH PASSING THROUGH THE SECURE AREA. SEE ARCHITECTURAL PLAN FOR SECURE AREA. SEE INSTALLATION DETAIL ON SHEET MH502.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	REVISED DUCT SIZES, KEYNOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO	DATE	3/10/2026
DES JV	DRW AS	CHK AP
PM		DKS/DMK
BRANCH MANAGER		KYM
CHIEF ENG/ARCH		KYM
FIRE PROTECTION		RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND , MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC DUCT PLAN - SECOND FLOOR - AREA 'F'

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322106
SHEET	266 OF 468

MH116

DRAWFORM REVISION: 25 AUGUST 2020

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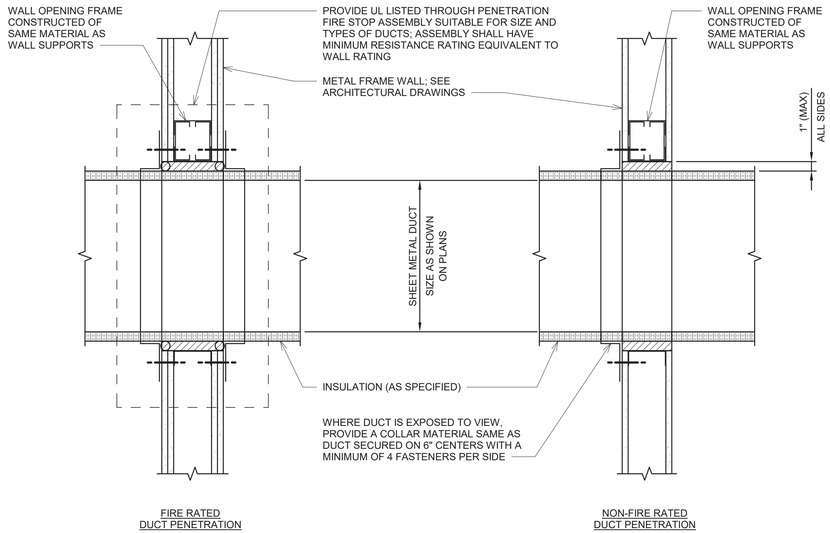
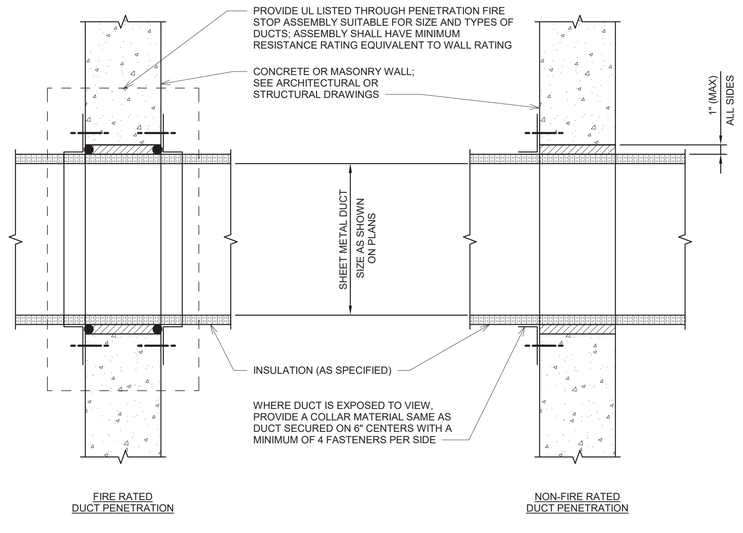


VIBRATION ISOLATION NOTES:

1. ANNULAR SPACE BETWEEN DUCT AND SLEEVE SHALL BE FREE OF ANY FOREIGN MATERIAL.
2. PIPE SHALL NOT RIGIDLY CONTACT PARTITION AT ANY POINT. WEDGES SHALL NOT BE USED TO MAINTAIN PIPE POSITION.
3. DUCT SUPPORTS SHALL BE LOCATED WITHIN 8' FROM THE PARTITION ON BOTH SIDES.
4. PROVIDE SPRING HANGER ISOLATOR LOCATED AS CLOSE TO STRUCTURE AS PRACTICAL.
5. CENTER DUCT IN SLEEVE.
6. PACK ANNULAR SPACE BETWEEN DUCT AND SLEEVE 100% WITH MINERAL WOOL OR 1.5 PCF FIBERGLASS.

C1 METAL FRAME WALL/CEILING DUCT PENETRATIONS

SCALE: NONE

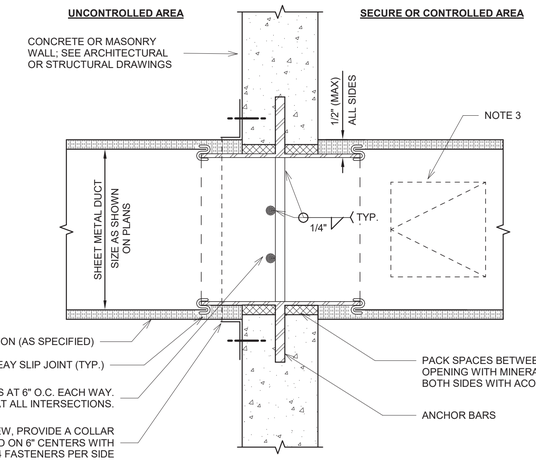


VIBRATION ISOLATION NOTES:

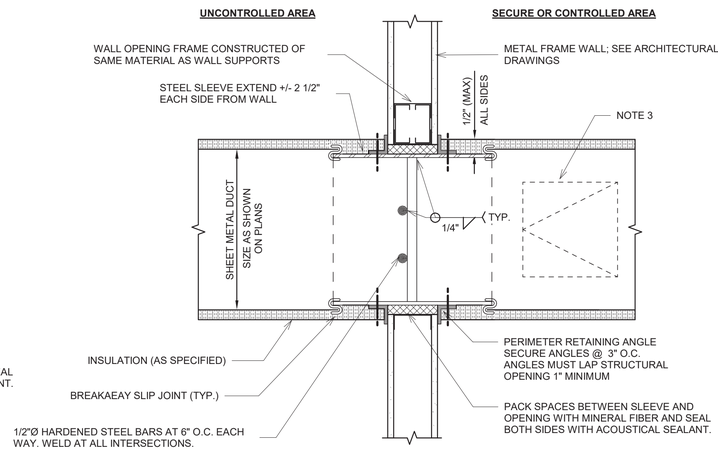
1. ANNULAR SPACE BETWEEN DUCT AND SLEEVE SHALL BE FREE OF ANY FOREIGN MATERIAL.
2. PIPE SHALL NOT RIGIDLY CONTACT PARTITION AT ANY POINT. WEDGES SHALL NOT BE USED TO MAINTAIN PIPE POSITION.
3. DUCT SUPPORTS SHALL BE LOCATED WITHIN 8' FROM THE PARTITION ON BOTH SIDES.
4. PROVIDE SPRING HANGER ISOLATOR LOCATED AS CLOSE TO STRUCTURE AS PRACTICAL.
5. CENTER DUCT IN SLEEVE.
6. PACK ANNULAR SPACE BETWEEN DUCT AND SLEEVE 100% WITH MINERAL WOOL OR 1.5 PCF FIBERGLASS.

C3 CONCRETE OR MASONRY WALL DUCT PENETRATIONS

SCALE: NONE



CONCRETE OR MASONRY CONSTRUCTION



METAL FRAME CONSTRUCTION

NOTES:

1. USE FOR DUCT PENETRATIONS REQUIRING PHYSICAL SECURITY ONLY.
2. ALL VENTS OR DUCT OPENINGS OF 96 SQUARE INCHES OR MORE WITH THE LEAST DIMENSION GREATER THAN 6 INCHES SHALL BE PROTECTED WITH PERMANENTLY AFFIXED SECURITY BARS.
3. PROVIDE ACCESS DOOR (ACCESS PORT) ON BOTTOM OR ACCESSIBLE SIDE OF DUCT. LOCATE ACCESS DOOR TO ALLOW VISUAL INSPECTION OF THE BARS. PROVIDE DOORS THAT ARE A MINIMUM OF 15 BY 18 INCHES. WHERE DUCT SIZE DOES NOT ACCOMODATE THIS SIZE, MAKE THE DOORS AS LARGE AS PRACTICABLE.

A3 SECURITY BARS DUCT PENETRATION DETAILS

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR
1	ADDED SECURITY BAR DUCT DETAIL	04/27/2026	

JITENDRA VALMIK 062-072817 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE: 3/10/2026
DES: JV DRW: AS CHK: AP
PM/DM: DKS/DMK
BRANCH MANAGER: KYM
CHIEF ENG/ARCH: KYM
FIRE PROTECTION: RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC ~ MAKALAPA, HAWAII
U.S. NAVSUPPACT MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC DETAILS - SHEET 2

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322112
SHEET 272 OF 468
MH502

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:44:04 PM MH502
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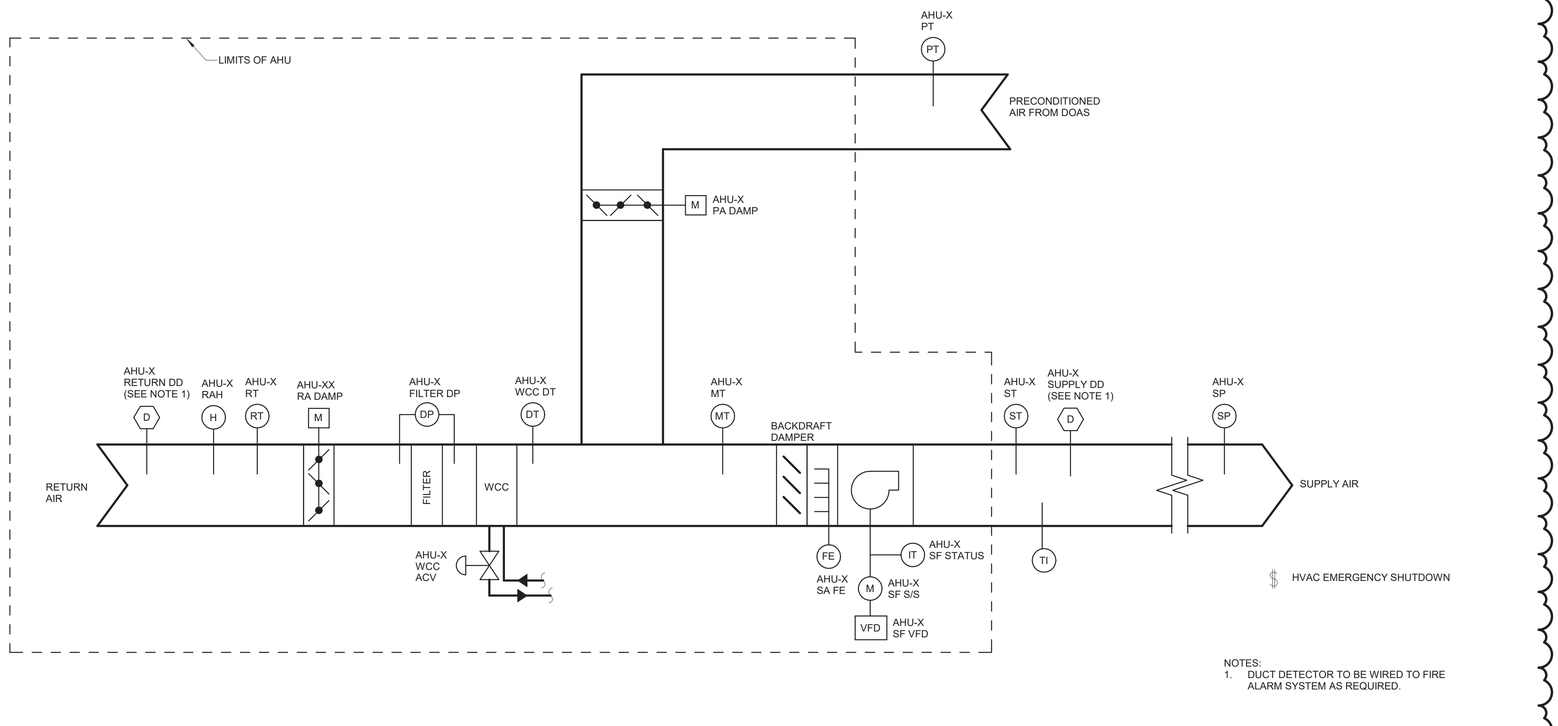


NOTES:
1. DUCT DETECTOR TO BE WIRED TO FIRE ALARM SYSTEM AS REQUIRED.

SEQUENCE OF OPERATION:

GENERAL REQUIREMENTS

1. HVAC SYSTEMS SHALL BE CONTROLLED BY UNIT MOUNTED STAND ALONE DIRECT DIGITAL CONTROLLER, UNLESS NOTED OTHERWISE. CONTROLLERS SHALL BE INTEGRATED INTO BUILDING DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR REMOTE CONTROL AND MONITORING. DDC SYSTEM COMMUNICATION SHALL BE AS SPECIFIED. PROVIDE LOCAL DISPLAY PANEL (LDP).
2. SET POINTS LABELED AS ADJUSTABLE SHALL BE FULLY ADJUSTABLE FROM OPERATOR WORKSTATIONS. SET POINTS FOR THERMOSTATS WITH INTEGRAL SET POINT ADJUSTMENT SHALL BE ADJUSTABLE FROM BOTH THE THERMOSTAT AND THE OPERATOR WORKSTATION. SET POINT ADJUSTMENT SHALL NOT REQUIRE PROGRAMMING OF DDC PANELS. ALL SETPOINTS, TIMERS, DEADBANDS, ETC., LISTED IN SEQUENCES SHALL BE ADJUSTABLE BY THE USER WHETHER INDICATED AS ADJUSTABLE IN SEQUENCE OR NOT. SOFTWARE POINTS SHALL BE USED FOR THESE POINTS.
3. ALARM REPORTING SHALL BE DONE AT PANEL ASSOCIATED WITH EQUIPMENT AND SHALL BE AVAILABLE AT OPERATOR WORK STATIONS.
4. PRECONDITIONED AIR DAMPERS SHALL BE CAPABLE OF AUTOMATICALLY SHUTTING OFF DURING PREOCCUPANCY BUILDING WARM-UP, COOL DOWN, SETUP, AND SETBACK PERIODS.

NORMAL CONTROL POSITIONS

1. NORMAL POSITIONS OF CONTROLLED DEVICES SHALL BE POSITION DEVICE RETURNS TO ON POWER FAILURE OR CONTROLLER FAILURE. NORMAL POSITIONS SHALL BE AS FOLLOWS.
   A. PRECONDITIONED AIR DAMPER: CLOSED
   B. RETURN AIR DAMPER: OPEN
   C. AUTOMATIC CONTROL VALVE (ACV) ON COOLING COILS: CLOSED TO COIL

VARIABLE AIR VOLUME AIR-HANDLING UNIT (AHU-X) CONTROL SEQUENCE

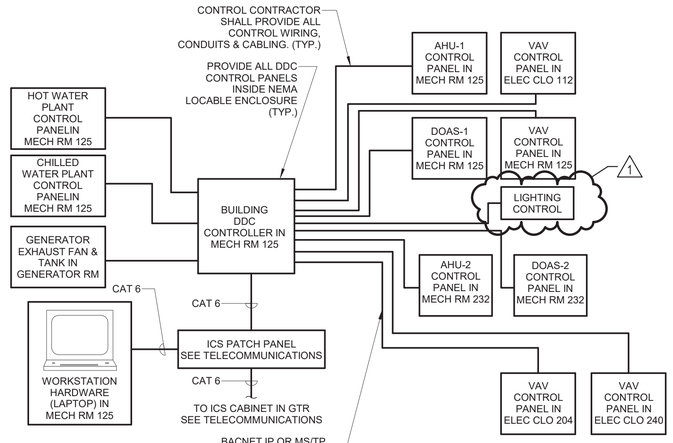
1. AHU SHALL BE CONTROLLED BY STAND ALONE DIRECT DIGITAL CONTROLLER.
2. SUPPLY FAN SHALL BE CONTROLLED BY OCCUPIED/UNOCCUPIED SCHEDULE FROM DDC SYSTEM. SEE AHU SCHEDULE FOR QUANTITY AND SUPPLY OF FANS AND VFDS.
3. FAN STATIC PRESSURE OPTIMIZATION: WHEN AHU-X IS SCHEDULED ON, SUPPLY FAN SHALL START AND RUN CONTINUOUSLY. ONCE AIRFLOW HAS BEEN PROVEN ON SUPPLY FAN, SUPPLY FAN VARIABLE FREQUENCY DRIVE SHALL MODULATE FAN SPEED TO MAINTAIN STATIC PRESSURE AT SET POINT. STATIC PRESSURE SHALL BE RESET BASED ON THE ZONE REQUIRING THE MOST STATIC PRESSURE (STATIC PRESSURE SHALL BE RESET LOWER UNTIL ONE ZONE DAMPER IS 90% OPEN). IF SUPPLY AIRFLOW IS NOT PROVEN FAN SHALL BE STOPPED, AND ALARM SHALL BE ACTIVATED.
4. OPTIMUM START: UNIT SHALL BE CAPABLE OF STARTING PRIOR TO SCHEDULED OCCUPANCY BASED ON THE TIME NECESSARY FOR ZONES TO REACH OCCUPIED SETPOINT TEMPERATURES. PRECONDITIONED AIR DAMPER SHALL REMAIN CLOSED AND RETURN DAMPER OPEN DURING OPTIMAL START PERIOD.
5. CHILLED WATER COOLING COIL CONTROL VALVE SHALL MODULATE TO MAINTAIN DISCHARGE AIR TEMPERATURE AT SET POINT 55° F/12.7° C (ADJUSTABLE).
6. SUPPLY AIR TEMPERATURE RESET CONTROLS: RESET SUPPLY AIR TEMPERATURE PROPORTIONALLY FROM 55 F/12.7 C (ADJUSTABLE) AT 75°F/23.9°C (ADJUSTABLE) RETURN AIR TEMPERATURE TO 62° F/16.7°C (ADJUSTABLE) AT 68°F/20.0°C RETURN AIR TEMPERATURE.
7. WHEN SYSTEM IS IN THE "UNOCCUPIED" MODE SYSTEM SHALL OPERATE AS SPECIFIED ABOVE EXCEPT THE PRECONDITIONED AIR DAMPER SHALL REMAIN CLOSED AND FAN SHALL CYCLE BASED ON DEMAND FROM SPACE VAV BOXES.
8. SAFETY SHUTDOWN: SAFETY SHUTDOWN CIRCUIT SHALL BE PROVIDED EXTERNAL TO SYSTEM CONTROLLER. CIRCUIT SHALL BE DIRECTLY CONNECTED TO STARTERS OF MOTOR-POWERED EQUIPMENT AND SHALL FUNCTION REGARDLESS OF STATUS OF SYSTEM CONTROLLER. IN EVENT OF SYSTEM SHUTDOWN, DEVICES SHALL RETURN TO NORMAL POSITION. CIRCUITS SHALL BE RESET MANUALLY. FOLLOWING SHALL COMPRISE SAFETY SHUT-DOWN CIRCUIT:
   A. HVAC EMERGENCY SHUTDOWN
   B. SPACE FIRE ALARM
   C. SMOKE DETECTION IN SUPPLY OR RETURN AIR DUCT
9. WHEN SYSTEM IS IN "PRESERVATION" MODE, SUPPLY FAN SHALL OPERATE AS SPECIFIED ABOVE FOR "OCCUPIED" MODE EXCEPT SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 68° F/20.0° C (ADJUSTABLE).

VARIABLE AIR VOLUME (VAV) AIR HANDLING UNIT COOLING ONLY POINTS LIST

PLAN DESIGNATION	POINT DESCRIPTION	POINT TYPE						NOTES
		AO	DO	AI	DI	VP	ALARMS	
AHU-X RAH	AHU RETURN AIR HUMIDITY			X			X	ALARM ABOVE SETPOINT (65% RH, ADJUSTABLE)
AHU-X PA DAMP	AHU PRECONDITIONED AIR DAMPER	X						
AHU-X PT	AHU PRECONDITIONED AIR TEMPERATURE			X				
AHU-X MT	AHU MIXED AIR TEMPERATURE			X				
AHU-X FILTER DP	AHU FILTER DIFFERENTIAL PRESSURE			X			X	ALARM ABOVE SETPOINT
AHU-X FILTER DP SP	AHU FILTER DIFFERENTIAL PRESSURE SETPOINT			X		X		ADJUSTABLE
AHU-X WCC ACV	AHU WATER COOLING COIL AUTOMATIC CONTROL VALVE	X		X				
AHU-X WCC DT	AHU WCC AIR DISCHARGE TEMPERATURE			X				
AHU-X SF S/S	AHU SUPPLY FAN START STOP		X					
AHU-X SF STATUS	AHU SUPPLY FAN STATUS				X		X	ALARM MISMATCH WITH AHU-X SF S/S
AHU-X SF VFD	AHU SUPPLY FAN VFD	X		X			X	COMMUNICATION PROTOCOL AS SPECIFIED; ALARM WHEN VFD FAILS
AHU-X ST	AHU SUPPLY AIR TEMPERATURE			X				
AHU-X SUPPLY DD	AHU DUCT DETECTOR			X				PROVIDE AUX CONTACT TO DDC SYSTEM
AHU-X FE SA	AHU-X FLOW ELEMENT SUPPLY AIR			X				INSTALL AFMS PER MANUFACTURER REQUIREMENTS
AHU-X SP	AHU DUCT STATIC PRESSURE			X			X	ALARM ABOVE SETPOINT
AHU-X SP STPT	AHU DUCT STATIC PRESSURE SETPOINT					X		
AHU-X RT	AHU RETURN AIR TEMPERATURE			X				
AHU-X RETURN DD	AHU DUCT DETECTOR				X		X	PROVIDE AUX CONTACT TO DDC SYSTEM
AHU-X RA DAMP	AHU RETURN AIR DAMPER	X						

NOTES:

1. DESIGNATION "X" REFER TO INDIVIDUAL AHU DESIGNATIONS AS SCHEDULED.



A4 **DDC RISER DIAGRAM**
NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR
1	REVISED CONTROL SCHEMATIC DIAGRAM	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.
AE INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PMDM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC SCHEMATICS - SHEET 1

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322125
SHEET 285 OF 468

MH600

DRAWFORM REVISION: 25 AUGUST 2020

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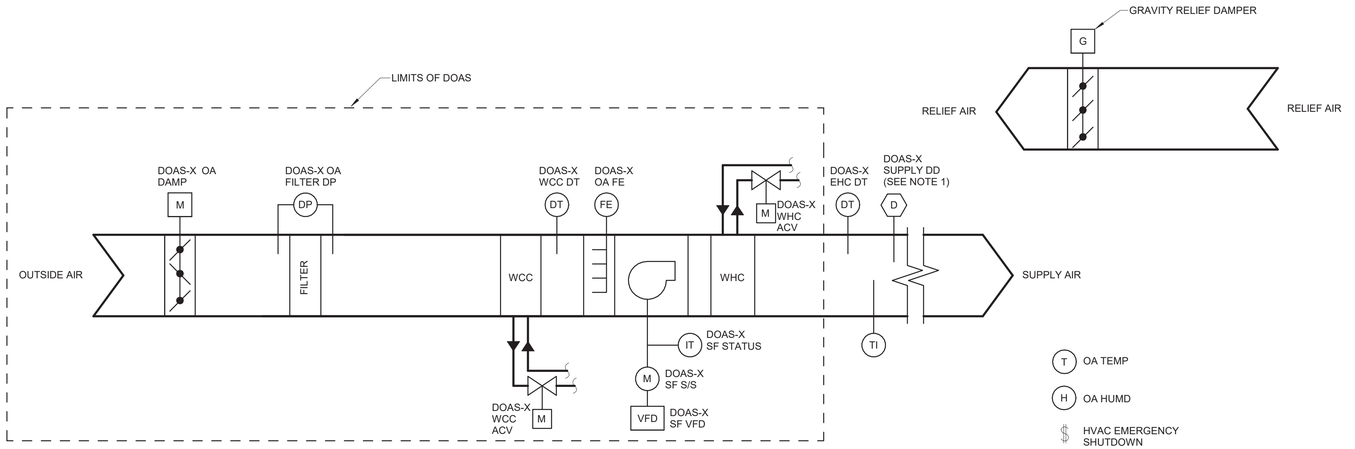

DEDICATED OUTDOOR AIR SYSTEM (DOAS) WITH ENERGY RECOVERY UNIT CONTROL SCHEMATIC

(HOT WATER HEATING/CHILLED WATER COOLING)

NOTE:

1. DUCT DETECTOR TO BE WIRED TO FIRE PROTECTION SYSTEM AS REQUIRED.

DEDICATED OUTDOOR AIR SYSTEM (DOAS) CONTROL POINTS LIST

PLAN DESIGNATION	POINT DESCRIPTION	POINT TYPE						NOTES
		AO	DO	AI	DI	VP	ALARMS	
OA TEMP	OUTDOOR AIR TEMPERATURE			X				
OA HUMD	OUTDOOR AIR RELATIVE HUMIDITY			X				
DOAS-X OA DAMP	DOAS OUTDOOR AIR DAMPER	X						
DOAS-X OA FE	DOAS OUTDOOR AIR FLOW ELEMENT			X				INSTALL AFMS PER MANUFACTURER REQUIREMENTS
DOAS-X OA FILTER DP	DOAS OUTDOOR AIR FILTER DIFFERENTIAL PRESSURE			X			X	ALARM ABOVE SETPOINT
DOAS-X OA FILTER DP SP	DOAS OUTDOOR AIR FILTER DIFFERENTIAL PRESSURE SETPOINT			X		X		ADJUSTABLE
DOAS-X WHC ACV	HEATING COIL WATER VALVE POSITION	X		X				
DOAS-X WHC DT	HEATING COIL AIR DISCHARGE TEMPERATURE			X				
DOAS-X WCC ACV	COOLING COIL WATER VALVE POSITION	X		X				
DOAS-X WCC DT	COOLING COIL AIR DISCHARGE TEMPERATURE			X				
DOAS-X SF S/S	DOAS SUPPLY FAN START STOP		X					
DOAS-X SF STATUS	DOAS-X SUPPLY FAN STATUS				X		X	ALARM MISMATCH WITH DOAS-X SF S/S
DOAS-X SF VFD	DOAS SUPPLY FAN VFD	X		X			X	COMMUNICATION PROTOCOL AS SPECIFIED; ALARM WHEN VFD FAILS
DOAS-X SUPPLY DD	DOAS SUPPLY DUCT DETECTOR			X				PROVIDE AUXILIARY CONTACT TO DDC SYSTEM

NOTES:

1. DESIGNATION "X" REFER TO INDIVIDUAL DOAS DESIGNATIONS AS SCHEDULED.

COMPUTER ROOM AC UNIT (CRAC) CONTROL POINTS LIST

PLAN DESIGNATION	POINT DESCRIPTION	POINT TYPE						NOTES
		AO	DO	AI	DI	VP	ALARMS	
CRAC-X WCC ACV	COOLING COIL WATER VALVE POSITION	X		X				
CRAC-X WCC DT	COOLING COIL AIR DISCHARGE TEMPERATURE			X				
CRAV-X SF S/S	DOAS SUPPLY FAN START STOP		X					
CRAC-X SF STATUS	DOAS-X SUPPLY FAN STATUS				X		X	ALARM MISMATCH WITH DOAS-X SF S/S
CRAC-X SUPPLY DD	DOAS SUPPLY DUCT DETECTOR			X				PROVIDE AUXILIARY CONTACT TO DDC SYSTEM
CRAC-X-ST	CRAC SPACE TEMPERATURE			X			X	ALARM IF TEMPERATURE VARIES 2° ABOVE SETPOINT FOR 5 MINS.
CRAC-X-ST SP	CRAC SPACE TEMPERATURE SETPOINT			X		X		SEPOINT ADJUSTABLE
CRAC-X-SH	CRAC SPACE HUMIDITY			X			X	ALARM IF HUMIDITY VARIES 10% ABOVE SETPOINT FOR 5 MINS.
CRAC-X-LD	CRAC LEAK DETECTION					X	X	ALARM IF ACTIVATED.
NOTES:								

1. DESIGNATION "X" REFER TO INDIVIDUAL DOAS DESIGNATIONS AS SCHEDULED.

SEQUENCE OF OPERATION:

GENERAL REQUIREMENTS

1. HVAC SYSTEMS SHALL BE CONTROLLED BY UNIT MOUNTED STAND ALONE DIRECT DIGITAL CONTROLLER, UNLESS NOTED OTHERWISE. CONTROLLERS SHALL BE INTEGRATED INTO BUILDING DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR REMOTE CONTROL AND MONITORING. DDC SYSTEM COMMUNICATION SHALL BE AS SPECIFIED. PROVIDE LOCAL DISPLAY PANEL (LDP).
2. SET POINTS LABELED AS ADJUSTABLE SHALL BE FULLY ADJUSTABLE FROM OPERATOR WORKSTATIONS. SET POINTS FOR THERMOSTATS WITH INTEGRAL SET POINT ADJUSTMENT SHALL BE ADJUSTABLE FROM BOTH THE THERMOSTAT AND THE OPERATOR WORKSTATION. SET POINT ADJUSTMENT SHALL NOT REQUIRE PROGRAMMING OF DDC PANELS.
3. ALARM REPORTING SHALL BE DONE AT PANEL ASSOCIATED WITH EQUIPMENT AND SHALL BE AVAILABLE AT OPERATOR WORK STATIONS.
4. VENTILATION OUTDOOR AIR DAMPERS SHALL BE CAPABLE OF AUTOMATICALLY SHUTTING OFF DURING PREOCCUPANCY BUILDING WARM-UP, COOL DOWN, AND SETBACK PERIODS.

NORMAL CONTROL POSITIONS

1. NORMAL POSITIONS OF CONTROLLED DEVICES SHALL BE POSITION DEVICE RETURNS TO ON POWER FAILURE OR CONTROLLER FAILURE. NORMAL POSITIONS SHALL BE AS FOLLOWS
   A. OUTDOOR AIR DAMPER: CLOSED
   B. AUTOMATIC CONTROL VALVE (ACV) ON COOLING COILS: CLOSED TO COIL

DEDICATED OUTDOOR AIR SYSTEM (DOAS-X) CONTROL SEQUENCE

1. DOAS SHALL BE CONTROLLED BY STAND ALONE DIRECT DIGITAL CONTROLLER.
2. SUPPLY FAN SHALL BE CONTROLLED BY OCCUPIED/UNOCCUPIED SCHEDULE FROM DDC SYSTEM. SEE DOAS SCHEDULE FOR QUANTITY OF FANS AND VFDS.
3. WHEN DOAS-X IS SCHEDULED ON, SUPPLY FAN SHALL START AND RUN CONTINUOUSLY. SUPPLY FAN VARIABLE FREQUENCY DRIVE SHALL MODULATE FAN TO MAINTAIN REQUIRED OUTDOOR AIRFLOW. IF SUPPLY AIRFLOW IS NOT PROVEN FAN SHALL BE STOPPED, AND ALARM SHALL BE ACTIVATED.
4. DEMAND CONTROL VENTILATION: SUPPLY FAN SHALL MODULATE TO MAINTAIN REQUIRED OUTDOOR AIR FLOW. SUPPLY FAN SPEED SHALL BE CONTROLLED BY EA DUCT CO2 SENSOR TO MAINTAIN CO2 LEVELS IN ZONE. SUPPLY FAN SHALL MODULATE OUTDOOR AIRFLOW RATE BETWEEN Vmin. (PER BELOW SCHEDULE) AND Vot (DESIGN VENTILATION RATE). MINIMUM OUTDOOR AIR FLOW RATE SETPOINT SHALL BE ADJUSTABLE ABOVE Vat TO MAINTAIN POSITIVE BUILDING PRESSURIZATION. WHEN CO2 LEVEL REACHES MAXIMUM ALLOWABLE STEADY STATE CONCENTRATION LEVEL (CO2 MAX) OF 1000 PPM (ADJUSTABLE), SUPPLY FAN SHALL OPERATE TO PROVIDE DESIGN VENTILATION RATE (Vot). WHEN STEADY STATE CO2 CONCENTRATION LEVEL DROPS TO 400 PPM (ADJUSTABLE). SUPPLY FAN SPEED BE REDUCED TO PROVIDE MINIMUM VENTILATION AIRFLOW RATE (Vmin).
5. COOLING COIL ACV SHALL MODULATE TO MAINTAIN DISCHARGE AIR TEMPERATURE AT SET POINT (54°F/12.2°C, ADJUSTABLE).
6. HOT WATER CONTROL VALVE SHALL BE CONTROLLED BY ASSOCIATED AHU-X. ON FURTHER DROP IN AHU-X RETURN AIR TEMPERATURE (ONLY AFTER AHU-X SUPPLY AIRFLOW HAS BEEN REDUCED AND SUPPLY AIR TEMPERATURE HAS BEEN RESET), HOT WATER HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN REURN AIR TEMPERATURE SETPOINT (68° F/20.0° C, ADJUSTABLE).
7. WHEN SYSTEM IS IN THE "UNOCCUPIED" MODE, SYSTEM SHALL OFF.
8. WHEN SYSTEM IS IN "PRESERVATION" MODE, SYSTEM SHALL OPERATE AS SPECIFIED ABOVE EXCEPT EXHAUST FAN SHALL BE OFF AND HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN SUPPLY AIR TEMPERATURE SETPOINT (68° F/ 20.0° C, ADJUSTABLE).
9. DOAS FAILSAFE: UPON FAILURE OF LEAD AND LAG CHILLER, DOAS SYSTEM SHALL BE SHUT DOWN.
10. SAFETY SHUTDOWN: SAFETY SHUTDOWN CIRCUIT SHALL BE PROVIDED EXTERNAL TO SYSTEM CONTROLLER. CIRCUIT SHALL BE DIRECTLY CONNECTED TO STARTERS OF MOTOR-POWERED EQUIPMENT AND SHALL FUNCTION REGARDLESS OF STATUS OF SYSTEM CONTROLLER. IN EVENT OF SYSTEM SHUTDOWN, DEVICES SHALL RETURN TO NORMAL POSITION. CIRCUITS SHALL BE RESET MANUALLY. FOLLOWING SHALL COMPRISE SAFETY SHUT-DOWN CIRCUIT:
    A. HVAC EMERGENCY SHUTDOWN.
    B. SPACE FIRE ALARM
    C. SMOKE DETECTION IN SUPPLY OR RETURN AIR DUCT.

CRAC UNIT:

CRAC UNITS SHALL BE CONTROLLED BY IN BUILT CONTROLLER TO MAINTAIN SPACE SET POINT.

IN SYSTEM WHERE MULTIPLE UNITS SERVING THE SAME SPACE, THE UNITS SHALL OPERATE ON A WEEKELY ROTATION SCHEDULE. THE LEAD (PRIMARY) UNIT SHALL AUTOMATICALLY TRANSITIONED INTO LAG (SECONDARY) STATUS, AND THE LAG UNIT SHALL ASSUME LEAD OPERATION.

DEMAND CONTROLLED VENTILATION

PLAN DESIGNATION	Vat (CFM)	Vot (CFM)	Vmin (CFM)	PRESERVATION (CFM)
DOAS-1	1,750	3,050	2,675	1,000
DOAS-2	1,550	3,900	2,400	1,300

A1 **DOAS & CRAC CONTROL SCHEMATIC**

NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR
1	REVISED CONTROLS	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND PACIFIC
~ MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC SCHEMATICS - SHEET 2

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322126
SHEET 286 OF 468

MH601

DRAWFORM REVISION: 25 AUGUST 2020

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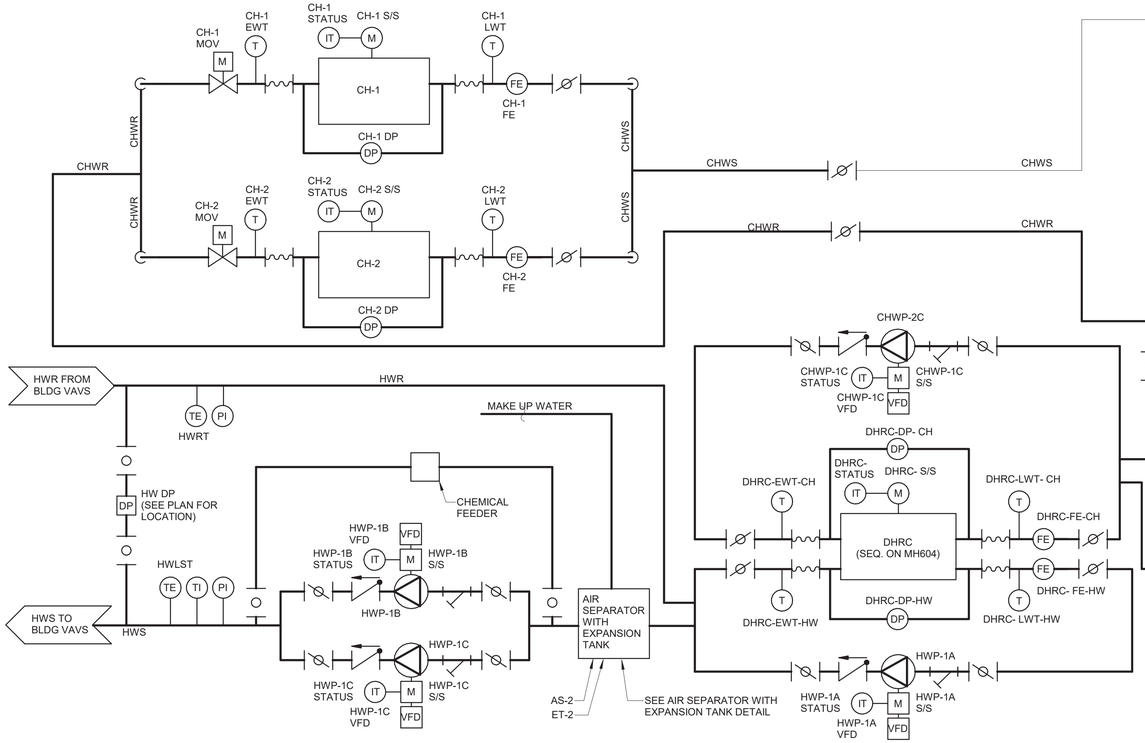

AIR COOLED CHILLER, DHRC & PUMP POINTS LIST

PLAN DESIGNATION	POINT DESCRIPTION	POINT TYPE						NOTES
		AO	DO	AI	DI	VP	ALARMS	
CHW, HW RT	CHILLED & HOT WATER RETURN TEMPERATURE			X				
CHWP-X S/S	CHILLED WATER PUMP-X START/STOP X=1A,1B,1C,2A,2B (TYP.5)		X					
CHWP-X STATUS	CHILLED WATER PUMP-X STATUS X=1A,1B,1C,2A,2B (TYP.5)				X		X	ALARM MISMATCH WITH CHWP-X S/S
CHWP-X VFD	CHILLED WATER PUMP-X VFD X=1A,1B,1C,2A,2B (TYP.5)	X		X			X	COMMUNICATION VIA PROTOCOL AS SPECIFIED; ALARM WHEN VFD FAILS
HWP-X S/S	HOT WATER PUMP-X START/STOP X=1A,1B,1C (TYP.3)		X					
HWP-Y STATUS	HOT WATER PUMP-Y STATUS X=1A,1B,1C (TYP.3)				X		X	ALARM MISMATCH WITH CHWP-Y S/S
HWP-Y VFD	HOT WATER PUMP-Y VFD X=1A,1B,1C (TYP.3)	X		X			X	COMMUNICATION VIA PROTOCOL AS SPECIFIED; ALARM WHEN VFD FAILS
CH-X MOV	CHILLER-X MOTOR OPERATED VALVE X=1,2 (TYP.2)	X		X				
CH-X EWT	CHILLER-X ENTERING WATER TEMPERATURE X=1,2 (TYP.2)			X				
CH-X S/S	CHILLER-X START/STOP X=1,2 (TYP.2)		X					
CH-X STATUS	CHILLER-X STATUS X=1,2 (TYP.2)				X		X	ALARM MISMATCH WITH CH-X S/S
CH-X DP	CHILLER-X DIFFERENTIAL PRESSURE X=1,2 (TYP.2)			X				
CH-X LWT	CHILLER-X LEAVING WATER TEMPERATURE X=1,2 (TYP.2)			X				
CH-X FE	CHILLER-X FLOW ELEMENT X=1,2 (TYP.2)			X				
DHRC-EWT-X	DHRC ENTERING WATER TEMPERATURE X=CHW, HW (TYP. 2)			X				
DHRC S/S	CHILLER-Y START/STOP		X					
DHRC STATUS	CHILLER-Y STATUS				X		X	ALARM MISMATCH WITH CH-Y S/S
DHRC-DP-X	DHRC DIFFERENTIAL PRESSURE X=CH, HW (TYP. 2)			X				
DHRC-LWT-X	DHRC LEAVING WATER TEMPERATURE X=CH, HW (TYP. 2)			X				
DHRC-FE-X	DHRC FLOW ELEMENT X=CH, HW (TYP. 2)			X				
CHW MFBV ACV	CHILLED WATER MINIMUM FLOW BYPASS CONTROL VALVE	X		X				
CHW MFBV ACV SP	CHILLED WATER MINIMUM FLOW BYPASS CONTROL VALVE SET POINT					X		DETERMINED BY CHILLER MINIMUM FLOW REQUIREMENTS
CHW, HW LST	CHILLED & HOT WATER LOOP SUPPLY TEMPERATURE			X			X	ALARM WHEN TEMPERATURE IS ABOVE SET POINT
CHWLS, HW LST SP	CHILLED & HOT WATER LOOP SUPPLY TEMPERATURE SET POINT					X		
CHW, HW DP	CHILLED & HOT WATER DIFFERENTIAL PRESSURE			X				
CHW, HW DP SP	CHILLED & HOT WATER DIFFERENTIAL PRESSURE SETPOINT					X		
OA TEMP	OUTDOOR AIR TEMPERATURE			X				

NOTES:
1. DHRC SEQUENCE OF OPERATION ON SHEET MH604.

SEQUENCE OF OPERATION:

GENERAL REQUIREMENTS

1. SYSTEMS SHALL BE CONTROLLED BY UNIT MOUNTED STAND ALONE DIRECT DIGITAL CONTROLLER, UNLESS NOTED OTHERWISE. CONTROLLER SHALL BE INTEGRATED INTO BUILDING DIRECT DIGITAL CONTROL (DDC) SYSTEM. DDC SYSTEM COMMUNICATION SHALL BE AS SPECIFIED. PROVIDE LOCAL DISPLAY PANEL (LDP).

2. SET POINTS LABELED AS ADJUSTABLE SHALL BE FULLY ADJUSTABLE FROM THE CONTROL PANELS AND OPERATOR WORKSTATIONS. SET POINT ADJUSTMENT SHALL NOT REQUIRE PROGRAMMING OF THE CONTROL PANEL. ALL SETPOINTS, TIMERS, DEADBANDS, ETC., LISTED IN SEQUENCES SHALL BE ADJUSTABLE BY THE USER WHETHER INDICATED AS ADJUSTABLE IN SEQUENCE OR NOT. SOFTWARE POINTS SHALL BE USED FOR THESE POINTS.

3. ALARM REPORTING SHALL BE DONE AT PANEL ASSOCIATED WITH EQUIPMENT AND SHALL BE AVAILABLE FROM OPERATOR WORKSTATIONS.

4. THE CONTROL APPLICATION SHALL BE DESIGNED TO MAXIMIZE THE CHILLER PLANT'S OPERATING EFFICIENCY. WHEN ENABLED, THE SYSTEM SHALL MAINTAIN AT LEAST ONE CHILLER ON TO MAINTAIN MINIMUM OR BASE LOAD TONS; DETERMINE THE PERCENT LOAD OF THE SYSTEM AND MAXIMIZE THE CHILLER PLANT EFFICIENCY BY CHOOSING THE MOST EFFICIENT CHILLER/DEVICES (OR COMBINATION OF CHILLERS/DEVICES) AVAILABLE TO MEET THE REQUIRED LOAD. EFFICIENCIES ARE TO BE CALCULATED BASED ON SELECTED MANUFACTURER AND ON THE INDIVIDUAL DEVICE'S OVERALL COEFFICIENT OF PERFORMANCE (COP), PERCENT LOAD, REQUIRED CAPACITY, AND RATED FLOWS. CURRENT ASSUMPTION IS THAT THE CHILLER PLANT LOAD WILL USE A CAPACITY CALCULATION BASED ON PERCENT FULL LOAD AMPS (CHX%-FLA). WHEN ADDED TO ALL OTHER DEVICES RUNNING, SYSTEM SHALL DETERMINE THE TOTAL CURRENT CHILLER PLANT CAPACITY (CHLR-AMPS-TOT).

5. THE CHILLER PLANT PROGRAM SHALL OPERATE THE MINIMUM NUMBER OF CHILLERS NECESSARY BASED ON OVERALL CHILLER PLANT EFFICIENCY. AFTER THE LEAD CHILLER IS STARTED, THE ADDITIONAL CHILLER WILL ONLY BE ADDED IF/WHEN THE EXISTING CHILLER IS NOT OPERATING AT MAXIMUM DESIGN PART LOAD EFFICIENCY, AND THE ADDITION OF THE OTHER CHILLER CREATES A BETTER OVERALL EFFICIENCY WITH BOTH CHILLERS AT PART LOAD. MAXIMUM EFFICIENCY WILL BE CALCULATED IN REAL TIME BASED ON THE ENTERING CHW TEMPERATURE AND CHW SETPOINT USING MANUFACTURER'S DATA FOR THE SPECIFIC INSTALLED CHILLER MODEL. AN ADDITIONAL CHILLER MAY ALSO BE STARTED IF THE FLOW RATE THROUGH THE CHILLER EXCEEDS IT'S MAXIMUM VALUE (AS RECOMMENDED BY THE CHILLER MANUFACTURER) FOR A SPECIFIC PERIOD (20 MINUTES, ADJUSTABLE).
   - A. AFTER AN ADJUSTABLE PERIOD (1 MINUTE), THE NEXT AVAILABLE CHW PUMP SHALL BE COMMANDED TO START
   - B. ONCE THE STATUS OF THE PUMP HAS BEEN PROVEN, THE RESPECTIVE ISOLATION CONTROL VALVE SHALL BE COMMANDED TO OPEN. AFTER THE VALVE POSITION IS VERIFIED OPEN, THE CHILLER SHALL BE COMMANDED TO START.
   - C. THE OPERATING CHILLERS' CURRENT-LIMIT-SETPOINTS SHALL BE RELEASED, ALLOWING THEM TO LOAD-UP AS REQUIRED, AND RUN IN TANDEM WITHOUT EXCEEDING OVERALL PLANT ELECTRICAL DEMAND.

6. MODULATE THE MINIMUM FLOW BYPASS VALVE TO ENSURE MINIMUM FLOW THROUGH THE OPERATING CHILLERS. THE DEFAULT CHILLER MINIMUM FLOW RATE (ADJUSTABLE AND BASED ON THE SELECTED CHILLER MANUFACTURER) SHALL BE MAINTAINED WHILE CHILLER IS OPERATIONAL.

7. A CHILLER SHALL RECEIVE A STOP COMMAND ONCE THE BUILDING SYSTEM LOADS ARE MET, AND THE CHILLER PLANT PROGRAM DETERMINES THAT THE EFFICIENCY OF THE CHILLER PLANT SYSTEM WILL IMPROVE WITH ONLY ONE CHILLER ENABLED. AT THE STOP COMMAND, THE RESPECTIVE CHW PUMP WILL CONTINUE TO RUN FOR A REQUIRED ADDITIONAL TIME IN MINUTES (ADJUSTABLE, PER MANUFACTURER RECOMMENDATIONS). AFTER THIS TIME PERIOD EXPIRES, THE CHW PUMP WITH THE HIGHEST RUN-TIME SHALL BE SHUTDOWN AND THE CORRESPONDING ISOLATION CONTROL VALVE SHALL BE COMMANDED TO CLOSE AND THE ISOLATION-VALVE POSITION VERIFIED CLOSED.

NORMAL CONTROL POSITIONS

1. NORMAL POSITIONS OF CONTROLLED DEVICES SHALL BE POSITION DEVICE RETURNS TO ON POWER FAILURE OR CONTROLLER FAILURE. NORMAL POSITIONS SHALL BE AS FOLLOWS:
   - A. AUTOMATIC CONTROL VALVE (ACV): LAST POSITION, UNLESS NOTED OTHERWISE.

CHILLER AND PUMP CONTROL SEQUENCE:

1. CHILLERS AND PUMPS SHALL BE ASSOCIATED AS FOLLOWS:
   - A. CH-1 & CH-2 WITH CHWP-1A & CHWP-1B (REFER TO AIR COOLED CHILLER AND CHILLED WATER PUMP SCHEDULES).

2. CHILLERS AND ASSOCIATED PUMPS SHALL BE CONTROLLED BY MULTIPLE CHILLER CONTROL SYSTEM AS FOLLOWS:
   - A. CHILLED WATER SHALL BE ENABLED WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE 50F F/10F C (ADJUSTABLE).
   - B. WHEN CHILLED WATER IS ENABLED, CONTROL PANEL SHALL OPEN CONTROL VALVES TO OPERATE INDICATED CHILLER AND PUMP.
   - C. ON COMMAND TO START CHILLED WATER PUMP, VARIABLE FREQUENCY DRIVE (VFD) SHALL START LEAD PUMP AND OPERATE AT MINIMUM SPEED.
   - D. ONCE WATER FLOW HAS BEEN PROVEN, LEAD CHILLER SHALL START AND PUMP VFD SHALL MODULATE AS REQUIRED TO MAINTAIN DIFFERENTIAL STATIC PRESSURE AT SET POINT. SETPOINT SHALL BE RESET DOWNWARD TILL ONE VALVE IS 100% OPEN.
   - E. VFD SHALL LIMIT RATE OF CHANGE OF FLOW AS REQUIRED BY CHILLER MANUFACTURER FOR VARIABLE PRIMARY SYSTEM.
   - F. IN THE EVENT FLOW THROUGH THE CHILLER APPROACHES REQUIRED MINIMUM FLOW RATE RECOMMENDED BY THE MANUFACTURER, MINIMUM FLOW BYPASS VALVE SHALL OPEN AND MODULATE TO MAINTAIN REQUIRED MINIMUM FLOW RATE.
   - G. CONTROL SYSTEM SHALL ENABLE CONTROLS TO OPERATE CHILLER TO MAINTAIN CHILLED WATER SUPPLY TEMPERATURE AT SET POINT (44°F/6.7°C, ADJUSTABLE).
   - H. ON DROP IN CHILLED WATER SUPPY TEMPERATURE BELOW SET POINT, CHILLER CONTROLLER SHALL TURN CHILLER OFF.

3. CHILLERS SHALL BE OPERATED IN A LEAD/LAG MODE AND BE CONTROLLED BY THE MULTIPLE CHILLER CONTROL SYSTEM. CONTROL SYSTEM SHALL ENSURE UNITS ARE OPERATED WITH EQUAL RUN TIME.

4. WHEN LEAD CHILLER IS OPERATING AT 90% (ADJUSTABLE) OF ITS CAPACITY, LAG CHILLER CONTROL VALVES SHALL OPEN AND CHILLER SHALL TURN ON. LEAD CHILLER ACV SHALL MODULATE CLOSE WHILE LAG CHILLER ACV SHALL MODULATE OPEN PROPORTIONALLY TILL BOTH CHILLERS ARE EQUALLY LOADED (45% CAPACITY, ADJUSTABLE).

5. UPON DROP IN COOLING LOAD FOR EACH CHILLER TO 40% (ADJUSTABLE) OF ITS CAPACITY, LAG CHILLER SHALL TURN OFF AND CONTROL VALVES SHALL CLOSE. LEAD CHILLER ACV SHALL MODULATE WIDE OPEN TO MAINTAIN CHILLED WATER SUYPPLY TEMPERATURE AT SET POINT.

6. PUMPS SHALL BE OPERATED IN A LEAD/LAG MODE AND BE CONTROLLED BY THE DDC SYSTEM.

7. IF WATER FLOW FOR LEAD PUMP IS NOT PROVEN, AN ALARM SHALL BE ACTIVATED IN THE CHILLER CONTROL PANEL FOR FAILURE OF LEAD PUMP AND LAG PUMP SHALL BE STARTED.

8. IF WATER FLOW FOR LAG PUMP IS NOT PROVEN, AN ALARM SHALL BE ACTIVATED IN THE CHILLER CONTROL PANEL FOR FAILURE OF LAG PUMP AND CHILLER SHALL NOT START.

9. PUMPS SHALL BE OPERATED IN LEAD/LAG ARRANGEMENT TO ENSURE UNITS ARE OPERATED WITH EQUAL RUN TIME.

A1 **HVAC - CHILLED WATER SCHEMATIC**
NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR
1	REVISED CONTROL SCHEMATIC DIAGRAM	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC
AE INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	Chk	AP
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENGIARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND PACIFIC
~
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC SCHEMATICS - SHEET 4

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322128
SHEET 288 OF 468

MH603

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:44:04 PM MH603
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AIR HANDLING UNIT - MODULAR (AHU) SCHEDULE

PLAN DESIGNATION	SERVICE	SUPPLY FAN							PRE-FILTER		FINAL FILTER		ELECTRICAL			NOTES
		AIRFLOW (CFM)	MINIMUM AIR (CFM)	EXTERNAL STATIC PRESSURE (IN.W.G.)	QTY.	RPM	TOTAL BRAKE POWER (Hp)	MOTOR POWER PER FAN (Hp)	TYPE	MERV	TYPE	MERV	VOLTAGE	HZ	PHASE	
AHU-01	1ST FLOOR	17,000	5,650	2.0	2	1991	18.8	10.0	PLEATED MEDIA	8	PLEATED MEDIA	13	460	60	3	(1) (2) (3) (4) (5)
AHU-2	2ND FLOOR	19,000	6,350	2.0	2	1766	20.7	15.0	PLEATED MEDIA	8	PLEATED MEDIA	13	460	60	3	(1) (2) (3) (4) (5)

NOTES:
1. SEE DRAWINGS FOR ARRANGEMENT
2. EXTERNAL STATIC PRESSURE INCLUDES FILTERS, DUCTWOR, AND COILS NOT IN AHU CASING
3. PROVIDE UNIT WITH INTEGRAL VARIABLE SPEED DRIVE
4. SEE WATER COOLING COIL SCHEDULE FOR COOLING COIL PERFORMANCE
5. PROVIDE DIRECT DRIVE PLENUM TYPE FANS, MINIMUM QUANTITY AS NOTED IN SCHEDULE
6. AHU-4 MAX. OA=2,155 CFM & MIN. OA = 700 CFM
7. PROVIDE RESTRAINED SPRING ISOLATORS, 1.0" DEFLECTION, FOR ALL AHU UNITS.
8. PROVIDE FLEX DUCT CONNECTORS, FOR ALL AHU UNITS.

DEDICATED OUTDOOR AIR SYSTEM (DOAS) SCHEDULE

PLAN DESIGNATION	SERVICE	SUPPLY FAN							PRE-FILTER		FINAL FILTER		ELECTRICAL			NOTES
		AIRFLOW (CFM)	MINIMUM OUTDOOR AIR (CFM)	EXTERNAL STATIC PRESSURE (IN.W.G.)	QTY.	RPM	TOTAL BRAKE POWER (Hp)	MOTOR POWER PER FAN (Hp)	TYPE	MERV	TYPE	MERV	VOLTAGE	HZ	PHASE	
DOAS-01	AHU-1	5,000	1,665	2.0	2	3699	6.6	5.0	PLEATED MEDIA	8	PLEATED MEDIA	13	460	60	3	(1) (2) (3) (4) (5)
DOAS-02	AHU-2	5,350	1,830	2.0	2	3863	7.5	5.0	PLEATED MEDIA	8	PLEATED MEDIA	13	460	60	3	(1) (2) (3) (4) (5)

NOTES:
1. SEE DRAWINGS FOR ARRANGEMENT
2. EXTERNAL STATIC PRESSURE INCLUDES FILTERS, DUCTWORK, AND COILS NOT IN AHU CASING
3. PROVIDE UNIT WITH INTEGRAL VARIABLE SPEED DRIVE
4. SEE HEATING COIL SCHEDULE FOR HEATING COIL PERFORMANCE
5. PROVIDE DIRECT DRIVE PLENUM TYPE FANS, MINIMUM QUANTITY AS NOTED IN SCHEDULE
6. PROVIDE RESTRAINED SPRING ISOLATORS, 1.0" DEFLECTION, FOR ALL AHU UNITS.
7. PROVIDE FLEX DUCT CONNECTORS, FOR ALL AHU UNITS.

WATER COOLING COIL (WCC) SCHEDULE

PLAN DESIGNATION	SERVICE	AIRSIDE										WATERSIDE							NOTES
		DESIGN AIRFLOW (CFM)	MINIMUM COIL AREA (FT²)	MAXIMUM FACE VELOCITY (FPM)	MAXIMUM APD (IN. W.G.)	MINIMUM ROWS	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	MINIMUM TOTAL COOLING CAPACITY (BTU/HR)	MINIMUM SENSIBLE COOLING CAPACITY (BTU/HR)	WATER FLOWRATE (GPM)	EWT (°F)	LWT (°F)	ACV SIZE (IN)	MAXIMUM PRESSURE DROP (FT.)			
																	COIL	ACV	TOTAL	
WCC-01	AHU-1	15,300	33.55	456	0.70	8	78.0	64.0	54.0	53.4	498.2	403.7	62.10	44.0	60.0	2"	5.0	5.0	10.0	(1) (2) (3) (4)
WCC-02	AHU-2	19,000	42.79	444	0.70	8	78.0	64.0	54.0	53.5	550.4	451.3	68.60	44.0	60.0	2"	5.0	5.0	10.0	(1) (2) (3) (4)
WCC-03	DOAS-01	5,000	12.32	406	1.20	8	86.9	78.7	54.0	53.9	440.4	184.0	54.80	44.0	60.0	2"	5.0	5.0	10.0	(1) (2) (4) (5)
WCC-04	DOAS-02	5,350	12.30	435	1.40	8	86.9	78.7	54.0	53.9	471.3	196.9	58.70	44.0	60.0	2"	5.0	5.0	10.0	(1) (2) (4) (5)

NOTES:
1. ACV ASSEMBLY INCLUDES AUTOMATIC CONTROL VALVE, LINE SIZE BALANCING VALVE, STRAINER, 2 ISOLATION VALVES, AND 6 ACV SIZE ELBOWS
2. ROUTE CONDENSATE DRAIN TO NEAREST FLOOR DRAIN
3. PROVIDE COIL COATING RATED FOR NO LESS THAN 5,000 HOUR SALT SPRAY TEST PER ASTM B117
4. PROVIDE AHU AND DOAS WITH COPPER FIN & COPPER TUBE COIL.
5. PROVIDE DOAS WITH COATED COPPER FINS & COATED COPPER TUBES. PROVIDE COIL COATING RATED FOR NO LESS THAN 10,000 HOUR SALT SPRAY TEST PER ASTM B117.

CHILLER - AIR COOLED (CH) SCHEDULE

PLAN DESIGNATION	TYPE	FLOWRATE (GPM)	EVAPORATOR			PASSES	TOTAL COOLING CAPACITY (TONs)	AMBIENT TEMPERATURE (°F)	CIRCUIT QTY.	REFRIGERANT	MAX. REFRIGERANT QTY. (LBS)	EER (AHRI)	IPLV (AHRI)	ELECTRICAL				NOTES
			SUPPLY TEMPERATURE (°F)	RETURN TEMPERATURE (°F)	MAX. PRESSURE DROP (FT.)									MCA	MOCP	VOLTAGE	HZ	PHASE	
CH-01	AIR COOLED	136.40 GPM	44.0	60.0	7.0	-	90	95	2	R454B	138	10.93	16.83	182	225	460	60	3	(1) (2) (3) (4) (5) (6) (7) (8)
CH-02	AIR COOLED	136.40 GPM	44.0	60.0	7.0	-	90	95	2	R454B	138	10.93	16.83	182	225	460	60	3	(1) (2) (3) (4) (5) (6) (7) (8)

NOTES:
1. PROVIDE SINGLE POINT CONNECTION
2. PROVIDE UNIT MOUNTED DISCONNECT
3. PROVIDE COIL COATING RATED FOR NO LESS THAN 10,000 HOUR SALT SPRAY TEST PER MDACS
4. PROVIDE CHILLER WITH COPPER FIN & COPPER TUBE CONDENSER COIL PER MDACS.
5. PROVIDE NEOPRENEISOLATORS, MINIMUM 0.25" DEFLECTION, FOR ALL CHILLER UNITS.
6. PROVIDE FLEXIBLE PIPE CONNECTORS.
7. PROVIDE SAME SIDE WATER CONNECTION.
8. PROVIDE MIN. 2 PASSES FOR SHELL & TUBE TYPE EVAPORATOR

HEATING WATER COIL (HC) SCHEDULE

PLAN DESIGNATION	SERVICE	AIRSIDE								WATERSIDE							NOTES
		DESIGN AIRFLOW (CFM)	MINIMUM COIL AREA (FT²)	MAXIMUM FACE VELOCITY (FPM)	MAXIMUM APD (IN. W.G.)	MINIMUM ROWS	EAT DB (°F)	LAT DB (°F)	HEATING CAPACITY (MBh)	WATER FLOWRATE (GPM)	EWT (°F)	LWT (°F)	ACV SIZE (IN)	COIL WPD (FT)	ACV WPD (FT)	TOTAL WPD (FT)	
HC-01	DOAS-01	5,000	11.26	444	0.00	1	54.0	67.0	70.4	5.00	140.0	111.7	3/4"	0.1	5.0	5.1	(1) (2) (3) (4)
HC-02	DOAS-02	5,350	11.24	476	0.07	1	54.0	66.4	71.7	5.00	140.0	111.2	3/4"	0.1	5.0	5.1	(1) (2) (3) (4)

NOTES:
1. ACV ASSEMBLY INCLUDES AUTOMATIC CONTROL VALVE, LINE SIZE BALANCING VALVE, STRAINER, 2 ISOLATION VALVES, AND 6 ACV SIZE ELBOW
2. COIL SHALL BE SELECTED BASED ON ENTERING AND LEAVING AIR TEMPERATURES. HEATING CAPACITY PROVIDED FOR REFERENCE ONLY
3. PROVIDE DOAS WITH COPPER FIN & COPPER TUBE COIL PER MDACS.
4. PROVIDE COIL COATING RATED FOR NO LESS THAN 10,000 HRS. SALT SPRAY TEST PER MDACS

SYM	DESCRIPTION	DATE	APPR
1	UPDATED SCHED AND NOTES	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026
DES JV DRW AS CHK AP
PMDM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENGIARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - PACIFIC
U.S. NAVSUPPACT
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
MECHANICAL SCHEDULES - SHEET 1

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322129
SHEET 289 OF 468
MH700

DRAWFORM REVISION: 25 AUGUST 2020

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DEDICATED HEAT RECOVERY CHILLER (DHRC) SCHEDULE

PLAN DESIGNATION	COOLING PERFORMANCE					HEATING PERFORMANCE					COMPRESSOR		REFRIG.	REFRIG. QTY (LBS)	ELECTRICAL					NOTES
	EWT (°F)	LWT (°F)	FLOW RATE (GPM)	MAXIMUM PRESSURE DROP (FT.)	EER (AHRI)	EWT (°F)	LWT (°F)	COP (AHRI)	FLOW RATE (GPM)	MAXIMUM PRESSURE DROP (FT.)	QTY	RLA (AMPS/EA)			MCA	MOCP	VOLTAGE	HZ	PHASE	
DHRC-1	60	44	30.7	4.2	8.083	118	140	3.273	31.0	2.8	2	28.2	R454B	16.0	49	60	480	60	3	(1)

NOTES:
1. UNIT IS ONE MODULE ON RESTRAINED SPRING ISOLATORS, 1.0" DEFLECTION.

PUMP (P) SCHEDULE

PLAN DESIGNATION	TYPE	SYSTEM	FLOW RATE (GPM)	OPERATING HEAD (FT.)	MAX. NPSHR (FT.)	EFFICIENCY (%)	IMPELLER DIA. (in.)	PUMP SPEED	BRAKE POWER (HP)	MOTOR POWER (HP)	ELECTRICAL			DISCHARGE SIZE (IN.)	SUCTION SIZE (IN.)	NOTES
											VOLTAGE	HZ	PHASE			
CHWP-1A	VERTICAL CENTRIFUGAL IN-LINE	PRIMARY CHILLED WATER	137	55	5.16	62.1	8.25	1800	3.0	5.0	480	60	3	2 1/2"	2 1/2"	(1) (2) (3) (4) (5) (6)
CHWP-1B	VERTICAL CENTRIFUGAL IN-LINE	PRIMARY CHILLED WATER	137	55	5.16	62.1	8.25	1800	3.0	5.0	480	60	3	2 1/2"	2 1/2"	(1) (2) (3) (4) (5) (6)
CHWP-1C	VERTICAL CENTRIFUGAL IN-LINE	PRIMARY CHILLED WATER	137	55	5.16	62.1	8.25	1800	3.0	5.0	480	60	3	2 1/2"	2 1/2"	(1) (2) (3) (4) (5) (6)
CHWP-2A	VERTICAL CENTRIFUGAL IN-LINE	SECONDARY CHILLED WATER	31	20	3.27	63.7	5.125	1800	0.3	0.5	480	60	3	1 1/4"	1 1/4"	(1) (2) (3) (5) (6)
CHWP-2B	VERTICAL CENTRIFUGAL IN-LINE	SECONDARY CHILLED WATER	31	20	3.27	63.7	5.125	1800	0.3	0.5	480	60	3	1 1/4"	1 1/4"	(1) (2) (3) (5) (6)
CHWP-2C	VERTICAL CENTRIFUGAL IN-LINE	SECONDARY CHILLED WATER	31	15	3.67	64.5	4.375	1800	0.2	0.3	115	60	1	1 1/4"	1 1/4"	(1) (2) (3) (6)
HWP-1A	VERTICAL CENTRIFUGAL IN-LINE	HEATING HOT WATER	31	15	3.67	64.5	4.375	1800	0.2	0.3	115	60	1	1 1/4"	1 1/4"	(1) (2) (3) (6)
HWP-1B	VERTICAL CENTRIFUGAL IN-LINE	HEATING HOT WATER	31	20	3.27	63.7	5.125	1800	0.3	0.5	480	60	3	1 1/4"	1 1/4"	(1) (2) (3) (5) (6)
HWP-1C	VERTICAL CENTRIFUGAL IN-LINE	HEATING HOT WATER	31	20	3.27	63.7	5.125	1800	0.3	0.5	480	60	3	1 1/4"	1 1/4"	(1) (2) (3) (5) (6)

NOTES:
1. PROVIDE BRONZE FITTED PUMP
2. PROVIDE FLUSHED MECHANICAL SEAL
3. PROVIDE PUMP WITH INVERTER DUTY MOTOR FOR USE WITH VARIABLE SPEED DRIVE
4. PROVIDE RESTRAINED SPRING ISOLATORS, 1.0" DEFLECTION, FOR 5HP PUMPS CHWP-1A/B.
5. PROVIDE FLEXIBLE PIPE CONNECTIONS, FOR ALL PUMPS.
6. VFD PROVIDED BY ELECTRICAL.

BLOWER COIL (BCHD) SCHEDULE

PLAN DESIGNATION	UNIT ARRANGEMENT	SUPPLY FAN				WATER COOLING COIL											FILTER		ELECTRICAL			NOTES
		AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN. W.G.)	BRAKE POWER (Hp)	MOTOR POWER (Hp)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	FLOWRATE (GPM)	EWT (°F)	LWT (°F)	ACV SIZE (IN)	MAX. PRESSURE DROP (FT)			TYPE	MERV	VOLTAGE	HZ	PHASE	
														COIL	ACV	TOTAL						
BCHD-101	ABOVE CEILING EXPOSED	1000	0.75	0.492	0.55	78.0	65.0	57.5	55.9	4.36	44.0	57.5	1/2"	5.0	5.0	10.0	THROW AWAY	8	115	60	1	(1) (2) (3) (4) (5)
BCHD-102	ABOVE CEILING EXPOSED	1000	0.75	0.492	0.55	78.0	65.0	57.5	55.9	4.36	44.0	57.5	1/2"	5.0	5.0	10.0	THROW AWAY	8	115	60	1	(1) (2) (3) (4) (5)
BCHD-103	ABOVE CEILING EXPOSED	1000	0.75	0.492	0.55	78.0	65.0	57.5	55.9	4.36	44.0	57.5	1/2"	5.0	5.0	10.0	THROW AWAY	8	115	60	1	(1) (2) (3) (4) (5)
BCHD-104	ABOVE CEILING EXPOSED	250	0.75	0.091	0.55	78.0	65.0	55.3	53.8	2.40	44.0	51.4	1/2"	5.0	5.0	10.0	THROW AWAY	8	115	60	1	(1) (2) (3) (4) (5)
BCHD-105	ABOVE CEILING EXPOSED	250	0.75	0.091	0.55	78.0	65.0	55.3	53.8	2.40	44.0	51.4	1/2"	5.0	5.0	10.0	THROW AWAY	8	115	60	1	(1) (2) (3) (4) (5)

NOTES:
1. PROVIDE UNIT MOUNTED DISCONNECT SWITCH
2. EXTERNAL STATIC PRESSURE INCLUDES FILTER, AND DUCTWORK NOT IN CASING
3. ACV ASSEMBLY INCLUDES AUTOMATIC CONTROL VALVE, LINE SIZE BALANCING VALVE, STRAINER, 2 ISOLATION VALVES, AND 6 ACV SIZE ELBOWS
4. COIL SHALL BE SELECTED BASED ON ENTERING AND LEAVING AIR TEMPERATURES
5. PROVIDE ECM FAN MOTOR
6. PROVIDE RESTRAINED SPRING ISOLATORS, 1.0" DEFLECTION, FOR ALL AHU UNITS.
7. PROVIDE FLEX DUCT CONNECTORS, FOR ALL AHU UNITS.

SYM	DESCRIPTION	DATE	APPR
1	REVISED POWER FOR DHRC & PUMP	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC.

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	AS	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
MECHANICAL SCHEDULES - SHEET 2

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322130
SHEET 290 OF 468

MH701

DRAWFORM REVISION: 25 AUGUST 2020

5/11/2026 8:44:04 PM MH701
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LOUVER (LVR) SCHEDULE

PLAN DESIGNATION	SERVICE	TYPE	DESIGN AIRFLOW (CFM)	MAXIMUM FREE AREA VELOCITY (FPM)	MINIMUM FREE AREA (FT²)	MAXIMUM AIR PRESSURE DROP (IN. W.G.)	FACE WIDTH (IN)	FACE HEIGHT (IN)	NOTES
LVR-102	DOAS-1 INTAKE	STATIONARY	5,000	395.07	7.72	0.1	4' - 6"	3' - 6"	(1) (2) (3) (4)
LVR-103	1ST FLOOR MECHANICAL ROOM 119	STATIONARY	500	510.20	0.98	0.0	1' - 6"	1' - 4"	(1) (2) (3) (4)
LVR-104	1ST FLOOR ELECTRICAL ROOM	STATIONARY	500	510.20	0.98	0.0	1' - 6"	1' - 4"	(1) (2) (3) (4)
LVR-105	TRAINING PAD ROOM 109	STATIONARY	1,200	667.90	1.80	0.1	1' - 10"	2' - 0"	(1) (2) (3) (4)
LVR-106	1ST FLOOR BATHROOM EXHAUST	STATIONARY	1,850	629.25	2.94	0.0	3' - 0"	2' - 0"	(1) (2) (3) (4)
LVR-107	GENERATOR EXHAUST	STATIONARY	7,600	1034.01	7.35	0.0	5' - 0"	3' - 0"	(1) (2) (3) (4)
LVR-108	GENERATOR INTAKE	STATIONARY	7,600	99.01	9.80	0.0	5' - 0"	4' - 0"	(1) (2) (3) (4)
LVR-201	2ND FLOOR BATHROOM - EXHAUST	STATIONARY	2,025	688.78	2.94	0.0	3' - 0"	2' - 0"	(1) (2) (3) (4)
LVR-202	DOAS-02 INTAKE	STATIONARY	5,350	99.01	7.72	0.0	4' - 6"	3' - 6"	(1) (2) (3) (4)
LVR-203	2ND FLOOR MECHANICAL ROOM 217	STATIONARY	450	459.18	0.98	0.0	1' - 6"	1' - 4"	(1) (2) (3) (4)
LVR-S2B	STAIRS 2B	STATIONARY HURRICANE LOUVER	2,000	350.88	5.70	0.0	4' - 0"	2' - 6"	(1) (2) (3) (4)
LVR-S2C	STAIRS 2C	STATIONARY HURRICANE LOUVER	2,000	350.88	5.70	0.0	4' - 0"	2' - 6"	(1) (2) (3) (4)

NOTES:
1. PROVIDE STAINLESS STEEL BIRD SCREEN
2. COLOR SELECTED BY ARCHITECT
3. PROVIDE ACOUSTICAL LOUVER, 8" DEP, PER SPECIFICATIONS AND PERFORMANCE.
4. MINIMUM INSERSION LOSS: 63-2, 125-3, 250-5, 500-9, 1000-14, 2000-15, 4000-10, 8000-9

DUCTWORK PRESSURE CLASS AND SEAL CLASS SCHEDULE

SYSTEM	DUCT PRESSURE MODE	DUCT PRESSURE CLASS	DUCT SEAL CLASS	DUCT LEAKAGE CLASS
VAV SUPPLY DUCT (ROUND/OVAL DUCT)	POS	6	A	2
VAV SUPPLY DUCT (RECTANGULAR DUCT)	POS	6	A	2
SUPPLY DUCT DOWNSTREAM OF VAV (ROUND/RECTANGULAR...	POS	2	A	2
CONSTANT VOLUME SUPPLY DUCT (ROUND/OVAL DUCT)	POS	6	A	2
CONSTANT VOLUME SUPPLY DUCT (RECTANGULAR DUCT)	POS	6	A	4
EXHAUST DUCT (EXCEPT PURGE AIR EXHAUST)	NEG	2	A	4
PURGE AIR EXHAUST DUCT	NEG	6	A	4
RETURN DUCT	NEG	2	A	4
OUTDOOR AIR DUCT	NEG	2	A	4

NOTES:
1. DUCT PRESSURE CLASS PER SMACNA DUCT CONSTRUCTION MANUAL.
2. DUCT LEAKAGE CLASS PER SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL.
3. DUCT SEAL CLASS PER ASHRAE 90.1-2013 UNLESS OTHERWISE SPECIFIED
4. TEST IN ACCORDANCE WITH SPECIFICATION SECTION 23 05 93, HVAC TESTING , ADJUSTING AND BALANCING AND THE PROCDURES IN SMACNA HVAC AIR DUCT LEAKAGE MANUAL.

LOUVER (LVR) SCHEDULE - FUEL TANK AREA

PLAN DESIGNATION	SERVICE	TYPE	DESIGN AIRFLOW (CFM)	MAXIMUM FREE AREA VELOCITY (FPM)	MINIMUM FREE AREA (FT²)	MAXIMUM AIR PRESSURE DROP (IN. W.G.)	FACE WIDTH (IN)	FACE HEIGHT (IN)	NOTES
LVR-212	GENERATOR EXHAUST	STATIONARY	41,500	1008.26	41.16	0.1	12' - 0"	7' - 0"	(1) (2)
LVR-213	GENERATOR INTAKE	STATIONARY	22,300	700.15	31.85	0.4	10' - 0"	6' - 6"	(1) (2) (3) (4)
LVR-214	GENERATOR INTAKE	STATIONARY	22,300	700.15	31.85	0.4	10' - 0"	6' - 6"	(1) (2) (3) (4)

NOTES:
1. PROVIDE STAINLESS STEEL BIRD SCREEN
2. COLOR SELECTED BY ARCHITECT
3. PROVIDE ACOUSTICAL LOUVER, 8" DEP, PER SPECIFICATIONS AND PERFORMANCE.
4. MINIMUM INSERSION LOSS: 63-2, 125-3, 250-5, 500-9, 1000-14, 2000-15, 4000-10, 8000-9

PART OF OPTION ITEM #2

PART OF OPTION ITEM #2

MINI SPLIT FAN COIL UNIT (MS) SCHEDULE

PLAN DESIGNATION	SERVICE	UNIT ARRANGEMENT	AIRFLOW (CFM)	COOLING			NOTES
				TOTAL CAPACITY (MBH)	EAT DB (°F)	EAT WB (°F)	
MS-102	AV CLOSET 126D	WALL MOUNTED	381	9.0	75.0	62.0	(1) (2)
MS-101	ELEVATOR MECHANICAL ROOM 117	WALL MOUNTED	450	18.0	75.0	62.0	(1) (2)

NOTES:
1. SEE ACCU SCHEDULE FOR CONDENSING UNIT PERFORMANCE
2. PROVIDE UNIT MOUNTED DISCONNECT SWITCH
3. INDOOR UNIT POWERED BY OUTDOOR CONDENCING UNIT, SEE ACCU SCHEDULE

PUMP SCHEDULE (ABOVEGROUND STORAGE TANKS FUEL SYSTEM)

PLAN DESIGNATION	SERVICE	TYPE	FLUID	GPM	INLET SIZE	OUTLET SIZE	HEAD (FT)	MOTOR DATA			LOCATION	NOTES
								HP	V/PH/HZ	RPM		
FOS-1	TRANSFER PUMP	GEAR PUMP	FUEL OIL NO. 2	4	1/2"	1/2"	30	0.1	115/1/60	1140	FUEL SKID	(1-4)
FOS-2	TRANSFER PUMP	GEAR PUMP	FUEL OIL NO. 2	4	1/2"	1/2"	30	0.1	115/1/60	1140	FUEL SKID	(1-4)
FOR-1	RETURN PUMP	GEAR PUMP	FUEL OIL NO. 2	10	3/4"	3/4"	31	2/3	115/1/60	1140	DAY TANK	(1-4)

NOTES:
1. PUMP SHALL MEET ALL MATERIAL CONSTRUCTION AND PERFORMANCE REQUIREMENTS OF UFGS 33 52 10.
2. CONTRACTOR TO CONFIRM THE FINAL PUMP SIZING BASED ON ACTUAL PIPING AND COMPONENT CONFIGURATION USED. ENSURE ALL OPERATIONAL PERFORMACE REQUIREMENTS ARE MET.
3. ASSUMED PUMP MOTOR SIZES ARE SHOWN; VERIFY WITH FINAL PUMP SIZING.
4. PUMPS LOCATED OUTSIDE MUST HAVE NEMA 4X ENCLOSURE.

GENERATOR EXHAUST SILENCER (DS) SCHEDULE

PLAN DESIGNATION	SERVICE	OCTAVE BAND (Hz)								WIDTH	HEIGHT	LENGTH	NOTES
		63	125	250	500	1000	2000	4000	8000				
DS-9	GENERATOR EXHAUST	2	3	5	6	10	10	6	5	144	84	24	(1)

NOTES:
1. CONTRACTOR TO CONFIRM THE FINAL SILENCER SIZING BASED ON INSERSION LOSSES INDICATED . ENSURE ALL OPERATIONAL PERFORMACE REQUIREMENTS ARE MET.

DUCT SILENCER (DS) SCHEDULE

PLAN DESIGNATION	EQUIPMENT SERVED	SYSTEM	AIR FLOW (CFM)	VELOCITY (FPM)	MAXIMUM PRESSURE DROP (in. w.g.)	DIMENSIONS		SILENCER TYPE/INFILL	MINIMUM INSERTION LOSS/MAXIMUM GENERATED NOISE (dB, per Hz)								NOTES
						W x H (in.)	L (in)		63	125	250	500	1000	2000	4000	8000	
DS-1	AHU-1	SUPPLY	17000	1821	0.25	48 x 28	36	RECTANGULAR, BAGGED FIBER GLASS	0 / 66	4 / 61	5 / 55	7 / 59	7 / 53	5 / 55	0 / 56	0 / 47	(1)
DS-2	AHU-1	RETURN	17000	2833	0.25	48 x 18	36	RECTANGULAR, BAGGED FIBER GLASS	0 / 63	0 / 63	0 / 61	11 / 55	11 / 55	0 / 48	0 / 33	0 / 22	(1)
DS-3	AHU-2	SUPPLY	19000	1244	0.25	50 x 44	36	RECTANGULAR, BAGGED FIBER GLASS	0 / 68	4 / 59	5 / 56	8 / 57	3 / 56	2 / 56	1 / 55	0 / 45	(1)
DS-4	AHU-2	RETURN	19000	2036	0.25	42 x 32	36	RECTANGULAR, BAGGED FIBER GLASS	0 / 62	2 / 60	4 / 59	8 / 56	5 / 57	4 / 46	0 / 45	0 / 39	(1)
DS-5	VAV-115	SUPPLY	400	900	0.25	8 x 8	36	RECTANGULAR, BAGGED FIBER GLASS	0 / 47	6 / 47	6 / 42	0 / 36	0 / 33	0 / 32	0 / 31	0 / 30	(1)
DS-6	VAV-121	SUPPLY	525	1181	0.25	8 x 8	36	RECTANGULAR, BAGGED FIBER GLASS	0 / 47	6 / 47	6 / 42	0 / 36	0 / 33	0 / 32	0 / 31	0 / 30	(1)
DS-7	VAV-213	SUPPLY	300	675	0.25	8 x 8	36	RECTANGULAR, BAGGED FIBER GLASS	0 / 47	6 / 47	6 / 42	0 / 36	0 / 33	0 / 32	0 / 31	0 / 30	(1)
DS-8	VAV-215	SUPPLY	400	900	0.25	8 x 8	36	RECTANGULAR, BAGGED FIBER GLASS	0 / 47	6 / 47	6 / 42	0 / 36	0 / 33	0 / 32	0 / 31	0 / 30	(1)

NOTES:
(1) CONTRACTOR TO CONFIRM THE FINAL SILENCER SIZING BASED ON INSERTION LOSSES INDICATED TO ENSURE ALL OPERATIONAL PERFORMANCE REQUIREMENTS ARE MET.

AIR COOLED CONDENSING UNIT (ACCU) SCHEDULE

PLAN DESIGNATION	TYPE	SERVICE	TOTAL CAPACITY (MBH)	AMBIENT TEMPERATURE (°F)	REFRIGERANT	MAXIMUM REFRIGERANT CHARGE (LBS)	EER (AHRI)	SEER (AHRI)	ELECTRICAL					NOTES
									MCA	MOCP	VOLTAGE	HZ	PHASE	
ACCU-1	MINI SPLIT HEAT PUMP	ELEVATOR MECHANICAL ROOM	18.0	41.5	R454B	4.0	10.7	20.2	11	28	208	60	1	(1) (2)
ACCU-2	SPLIT SYSTEM COOLING	AV CLOSET 126D	9.0	87.2	R454B	3.6	15.4	28.4	10	15	208	60	1	(1) (2)

NOTES:
1. SET ON 2 INCH CONCRETE BASE AS LOCATED ON PLANS
2. ACCU CAPACITY SHALL MATCH CAPACITY OF ASSOCIATED COOLING COIL

SYM	DESCRIPTION	DATE	APPR
1	UPDATED LOUVER & DUCT SCHEDULE	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026 10:45 HST

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026
DES JV DRW AS CHK AP
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
MECHANICAL SCHEDULES - SHEET 5

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322133
SHEET 293 OF 468
MH704

DRAWFORM REVISION: 25 AUGUST 2020

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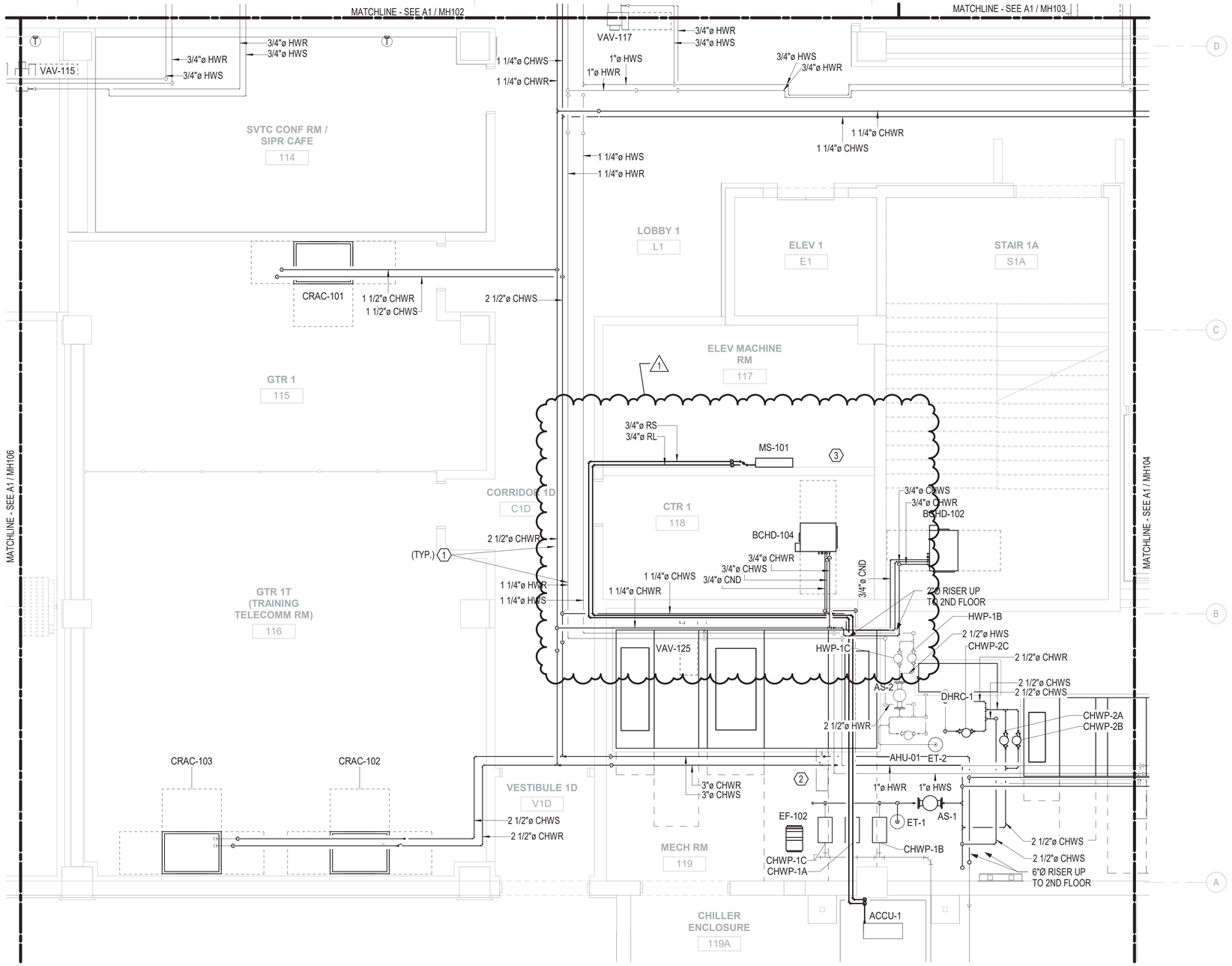


A1 HVAC PIPING PLAN - FIRST FLOOR - AREA 'E'

1/4" = 1'-0"

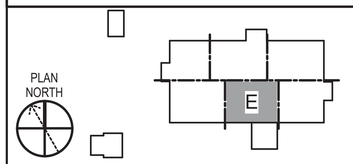
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
3. ALL CONDENSATE PIPING SHALL BE INSTALLED AT 1/8" PER FT. SLOPE.
4. MOUNT ALL T-STATS NO HIGHER THAN 48" AFF.

KEY NOTES

1. PROVIDE NEW HOT WATER/ CHILLED WATER SUPPLY & RETURN PIPING AS INDICATED. INSULATE PIPING PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
2. PROVIDE NEW CONDENSATE DRAIN AS INDICATED. MAINTAIN MIN. 1/8" PER FOOT PITCH IN THE DIRECTION OF FLOW. INSULATE PIPING PER SPECIFICATIONS. TERMINATE PIPING AT FLOOR/ OPEN HUB DRAIN WITH 1" AIR GAP.
3. PROVIDE NEW REFRIGERANT PIPING AS INDICATED. VERIFY EXACT PIPE SIZES IN FIELD BASED ON ACTUAL ROUTING. INSULATE PIPING PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	RE-ROUTED CHWS/R PIPING	04/27/2026	

NAVFAC

JITENDRA VALMIK 062-072817 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE: 3/10/2026

DES	JV	DRW	CG	CHK	AP
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

HVAC PIPING PLAN - FIRST FLOOR - AREA 'E'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17322142
SHEET 302 OF 468

MP105

DRAWFORM REVISION: 25 AUGUST 2020

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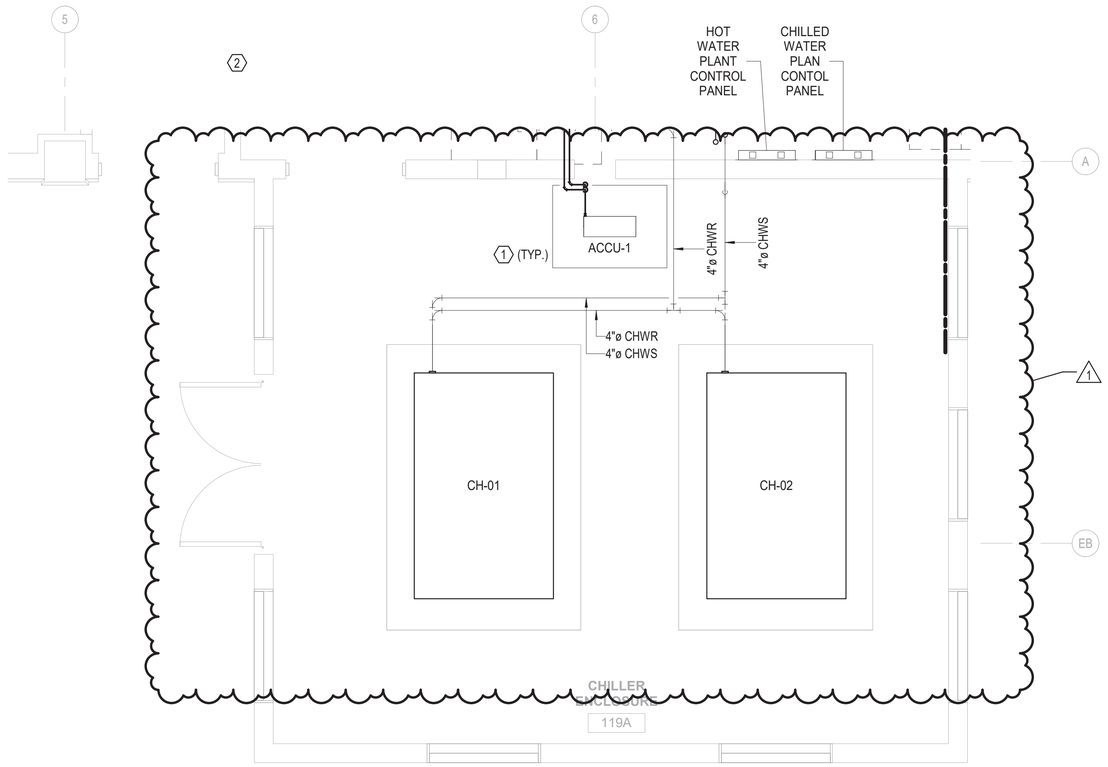
MP105



B1 HVAC PIPING PLAN - FIRST FLOOR - MECHANICAL ENCLOSURE

1/4" = 1'-0"

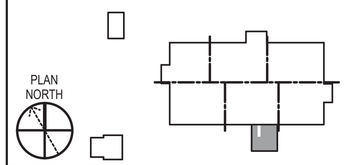
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
3. ALL CONDENSATE PIPING SHALL BE INSTALLED AT 1/8" PER FT. SLOPE.
4. MOUNT ALL T-STATS NO HIGHER THAN 48" AFF.

KEY NOTES

1. PROVIDE NEW CHILLED WATER SUPPLY & RETURN PIPING AS INDICATED. INSULATE PIPING PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
2. PROVIDE NEW REFRIGERANT PIPING AS INDICATED. VERIFY EXACT PIPE SIZES IN FIELD BASED ON ACTUAL ROUTING. INSULATE PIPING PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	COORDINATED CHILLER LOCATION	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER
JITENDRA VALMIK
062-072817
STATE OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JV	DRW	CG	CHK	AP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

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JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC PIPING PLAN - FIRST FLOOR - MECHANICAL ENCLOSURE

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322144
SHEET	304 OF 468

MP107

DRAWFORM REVISION: 25 AUGUST 2020

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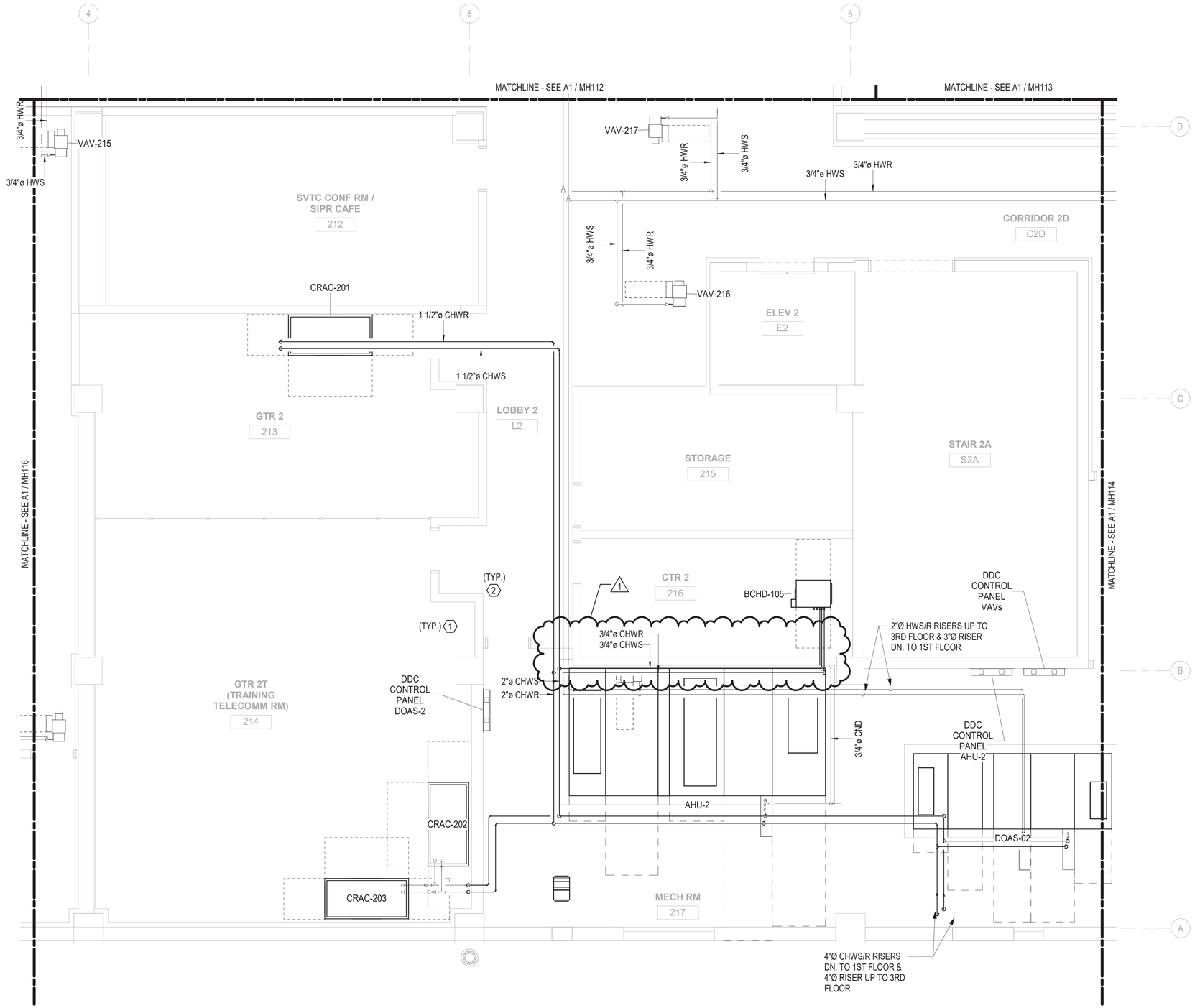


A1 HVAC PIPING PLAN - SECOND FLOOR - AREA 'E'

1/4" = 1'-0"

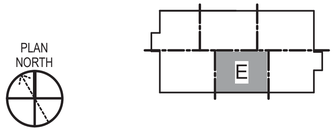
GENERAL NOTES

1. SEE M-001 FOR GENERAL MECHANICAL NOTES THAT SHALL APPLY TO ALL SHEETS UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL REFER TO MECHANICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
3. ALL CONDENSATE PIPING SHALL BE INSTALLED AT 1/8" PER FT. SLOPE.
4. MOUNT ALL T-STATS NO HIGHER THAN 48" AFF.

KEY NOTES

1. PROVIDE NEW HOT WATER/ CHILLED WATER SUPPLY & RETURN PIPING AS INDICATED. INSULATE PIPING PER SPECIFICATIONS. INSTALL PER DETAIL. COORDINATE EXACT ROUTING IN FIELD WITH OTHER TRADES.
2. PROVIDE NEW CONDENSATE DRAIN AS INDICATED. MAINTAIN MIN. 1/8" PER FOOT PITCH IN THE DIRECTION OF FLOW. INSULATE PIPING PER SPECIFICATIONS. TERMINATE PIPING AT FLOOR/ OPEN HUB DRAIN WITH 1" AIR GAP.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	RE-ROUTED CHWS/R PIPING	04/27/2026	

NAVFAC

LICENSED PROFESSIONAL ENGINEER JITENDRA VALMIK 062-072817 OF ILLINOIS
EXP: 11/30/2027
SIGNED: 05/11/2026 SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE: 3/10/2026
DES: JV DRW: CG CHK: AP
PM/DM: DKS/DMK
BRANCH MANAGER: KYM
CHIEF ENG/ARCH: KYM
FIRE PROTECTION: RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
HVAC PIPING PLAN - SECOND FLOOR - AREA 'E'

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17322150
SHEET 310 OF 468
MP115

DRAWFORM REVISION: 25 AUGUST 2020

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ELECTRICAL LEGEND

GENERAL

- DEMOLITION AND NEW WORK NOTE - REFER TO "DEMOLITION NOTES" AND "NEW WORK NOTES" FOR EACH SHEET
- SPECIALTY NOTE - REFER TO "SPECIALTY NOTES" FOR EACH SHEET
- GENERAL NOTE - REFER TO "GENERAL NOTES" FOR EACH SHEET
- OBJECTS ON DRAWINGS AT THIS LINETYPE ARE CATEGORIZED AS NEW OR PROPOSED FOR CONSTRUCTION, UON.
- OBJECTS ON DRAWINGS AT THIS LINETYPE ARE CATEGORIZED AS EXISTING TO BE REMOVED-DEMOLISHED, UON.
- OBJECTS ON DRAWINGS AT THIS LINETYPE ARE CATEGORIZED AS EXISTING TO REMAIN, UON.
- NEW TO EXISTING CONNECTION
- REMOVE TO THIS POINT

LIGHTING

- XX — LUMINAIRE TYPE. SEE LUMINAIRE SCHEDULE, SEE EL600 SERIES.
- LED LUMINAIRE. (⊣ INDICATES BRACKET, WALL MOUNTED.)
- LED EMERGENCY LUMINAIRE. (⊣ INDICATES BRACKET, WALL MOUNTED.)
- LED RECESSED DOWNLIGHT
- LED EXIT LUMINAIRE. ARROW, WHEN USED, INDICATES DIRECTION. (⊣ INDICATES BRACKET, WALL MOUNTED.) FILLED IN QUADRANT(s) OF SYMBOL INDICATES NUMBER AND ORIENTATION OF ILLUMINATED FACES.
- EMERGENCY BATTERY POWERED LED LIGHTING UNIT.
- S# — TOGGLE SWITCH, 20A, 120/277V. MOUNT 48" AFF UON. SUBSCRIPT "2" = 2 WAY, "3" = 3 WAY, "4" = 4 WAY.
- Ss — SMART SWITCH WALL STATION, OPERATION VARIES. CAT-6 UTP CONNECTIVITY AS PART OF THE LIGHTING CONTROL SYSTEM. SEE LIGHTING CONTROL DETAILS. MOUNT 48" AFF UON.
- OC — OCCUPANCY SENSOR, DUAL TECHNOLOGY. CEILING MOUNTED UON.
- PE — PHOTOCELL

POWER

- 30A, 120V SINGLE OUTLET NEMA 6-30 WITH MATCHING PLUG.
- 20A, 120V DUPLEX CONVENIENCE RECEPTACLE. MOUNT 18" AFF UON. 'GFI' DENOTES INTERNAL GROUND FAULT INTERRUPTER, 'WP' DENOTES WEATHER PROOF ENCLOSURE AND 'C' DENOTES FLUSH MOUNTED IN CEILING
- 20A, 120V DUPLEX CONVENIENCE RECEPTACLE UTILIZING GROUND FAULT PROTECTION. MOUNT 6" ABOVE COUNTER UON. 'WP' DENOTES WEATHER PROOF ENCLOSURE
- QUADRUPLEX CONVENIENCE RECEPTACLE MOUNTED IN TWO-GANG OUTLET BOX - EACH RATED 20A, 125 VOLTS WITH SINGLE COVER PLATE, MOUNT 18" AFF, UON.
- 20A, 120V FLUSH FLOOR DUPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE. NEMA L14-30R, RATED 30A, 125/250V
- SPECIAL PURPOSE RECEPTACLE. NEMA 14-20R, RATED 20A, 125/250V
- JUNCTION BOX. MINIMUM 4" SQUARE X 2 1/8" SIZE PER NEC.
- SYSTEMS FURNITURE CONNECTION. BOX INDICATES IN-FLOOR. SEE PLAN KEYNOTES
- GROUND BAR
- CEILING FAN, THREE SPEED REVERSIBLE

EQUIPMENT CONNECTIONS

- (E) — EQUIPMENT CONNECTION
- (M) 15 — MOTOR CONNECTION. HP AS INDICATED.
- SM — MOTOR RATED SWITCH OR MANUAL MOTOR STARTER WITH OVERLOADS.
- MAGNETIC MOTOR STARTER
- MANUAL MOTOR STARTER
- 3P 30/20 3R — DISCONNECT SWITCH. 3P = NO. OF POLES, 30 = SWITCH RATING, 20 = FUSE RATING (NF = INDICATES NON-FUSED), 3R INDICATES NEMA RATING.
- DISCONNECT SWITCH PROVIDED INTEGRAL WITH EQUIPMENT
- VFD — VARIABLE FREQUENCY DRIVE

WIRE, CONDUIT, AND RACEWAY

- BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT.
- L2A-1,3 — HOMERUN TO PANEL. PANEL & CIRCUIT DESIGNATIONS AS INDICATED. TICK MARKS PROVIDED ON HOMERUNS ONLY. CHECKMARK INDICATES GROUND.
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- LADDER RACK CABLE TRAY, SIZE AND TYPE AS INDICATED.
- WIRE BASKET CABLE TRAY, SIZE AND TYPE AS INDICATED.

DISTRIBUTION

- 208Y/120V PANELBOARD.
- 240Y/120V PANELBOARD.
- 480Y/277V PANELBOARD.
- T — DRY-TYPE TRANSFORMER. 'T' DENOTES TRANSFORMER IDENTIFICATION

LIGHTNING PROTECTION

- DRIVEN GROUND ROD
- GROUND ROD TEST PIT
- AIR TERMINAL
- BOND CONNECTION EXOTHERMICALLY WELD, UON.
- GROUND CONDUCTOR - DESCRIPTION AS INDICATED.
- LIGHTNING CONDUCTOR - DESCRIPTION AS INDICATED.

SITE

- MANHOLE
- HANDHOLE
- 2 / X A — DUCTBANK SECTION LOOKING IN DIRECTION OF ARROWS
  - SPARE DUCT (TYPICAL)
  - HEAVY LINE INDICATES BOTTOM OF DUCT.
  - EXISTING CABLE DESIGNATION (TYPICAL) DESCRIPTION PER CABLE SCHEDULE, SHEET ES###
  - OCCUPIED DUCT, UNIDENTIFIED CABLE
  - NEW CABLE DESIGNATION (TYPICAL) DESCRIPTION PER CABLE SCHEDULE, SHEET ES###
- UC — UNDERGROUND COMMUNICATION 1" DIRECT BURIED CONDUIT
- UP — UNDERGROUND PRIMARY CONCRETE ENCASED IN DUCTBANK SEE CABLE SCHEDULE SHEET ES###
- US — UNDERGROUND SECONDARY CONCRETE ENCASED IN DUCTBANK SEE CABLE SCHEDULE SHEET ES###
- UL — UNDERGROUND LIGHTING CIRCUIT, 2#10, 1#10G, 2"C UON.
- OC — OVERHEAD COMMUNICATION
- OP — OVERHEAD PRIMARY
- OS — OVERHEAD SECONDARY
- OL — OVERHEAD LIGHTING
- LIGHTING POLE WITH LUMINAIRE AND INTEGRAL PHOTOCELL
- T — PAD MOUNTED TRANSFORMER. 'T' DENOTES TRANSFORMER IDENTIFICATION
  - HEAVY LINE INDICATES FRONT OF TRANSFORMER
- PAD MOUNTED SWITCH

ABBREVIATIONS

1/C	ONE CONDUCTOR
A	AMPERAGE OR AMPS
AC	ABOVE COUNTER
AD	ABOVE DOOR
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AMI	ADVANCED METERING INFRASTRUCTURE
ARC	AUTOMATIC RECEPTACLE CONTROL
ARF	ABOVE RAISED FLOOR
BFG	BELOW FINISED GRADE
BH	BASEBOARD HEATER
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
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXIST	EXISTING
EXP	EXPLOSION PROOF EQUIPMENT
FCU	FAN COIL UNIT
FT	FEET
GFCI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFGI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HGT	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HUB	COMPUTER DISTRIBUTION HUB
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
OBI	OUTLET BASE INFEED
OS	OCCUPANCY SENSOR
PNL	PANEL
PNLBD	PANELBOARD
PVC	POLYVINYL CHLORIDE CONDUIT
QU	QUANTITY
RC1	ROOM CLASSIFICATION DIGITAL SIGNAGE DISPLAY INSIDE ROOM
RC2	ROOM CLASSIFICATION DIGITAL SIGNAGE DISPLAY OUTSIDE ROOM
REC/RCPT	RECEPTACLE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
S	SPEAKER
SHT	SHEET
SPD	SURGE PROTECTION DEVICE
SUB	SUBSTATION
SWBD	SWITCHBOARD
T	TELEPHONE
TV	TELEVISION RECEPTACLE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTAGE OR VOLTS
VRF	VARIABLE REFRIGERANT FLOW UNIT
W	WIRE
WP	WEATHERPROOF
WW	WIREWAY (TROUGH)
X	IN SCHEDULES, ITEM NOT APPLICABLE
XFMR	TRANSFORMER
Ø	PHASE

GENERAL NOTES

1. ALL ELECTRICAL WORK AND MATERIAL IS NEW AND MUST BE PROVIDED BY THE CONTRACTOR UON.
2. AN EQUIPMENT GROUND WIRE MUST BE RUN WITH FEEDERS AND BRANCH CIRCUITS.
3. WIRING MUST BE AS PER NATIONAL ELECTRICAL CODE (NEC).
4. ELECTRICAL EQUIPMENT MUST BE IDENTIFIED AND LABELED.
5. FEEDERS/CIRCUITS MUST BE IDENTIFIED AT EACH END OF THE WIRE AND AT EVERY SPLICE OR JUNCTION/PULL BOX.
6. PROVIDE NAMEPLATES ON THE EXTERIOR OF ELECTRICAL PANELS AND ENCLOSURES AS FOLLOWS:

PANEL XXXXX 100A, 208Y/120V-3Ø, 4W FED BY PANEL MDS INSTALLED 2024 DRAWING NO. ##,###,###	DEVICE ID DEVICE RATING POWER SOURCE INSTALLATION DATE NAVFAC DRAWING NUMBER

   FOR DISCONNECT SWITCHES AND MOTOR STARTERS, THE TOP LINE SHALL BE THE NAME/DESIGNATION OF EQUIPMENT BEING FED BY SAME.
7. PROVIDE NEW TYPED DIRECTORIES FOR PANELS (NEW OR EXISTING) INCLUDED IN THIS PROJECT.
8. INTERIOR WIRING SYSTEMS MUST BE CONCEALED WITH FLUSH MOUNTED BOXES/DEVICES, UON.
9. PENETRATIONS TO STC WALLS SHALL BE SEALED TO MAINTAIN STC RATING. (1)
10. COORDINATE LOCATION AND POWER REQUIREMENTS OF ELECTRICAL DEVICES WITH MECHANICAL, PLUMBING, ARCHITECTURAL AND FIRE PROTECTION DRAWINGS.
11. ELECTRICAL DEVICES SHOWN BUT NOT CIRCUITED MUST REMAIN ON THEIR EXISTING CIRCUIT.
12. PROVIDE ARC-FLASH LABELS ON ALL PANELS/DISCONNECT SWITCHES AS PER UFC 3-560-01 AND NFPA 70E. SEE DETAIL PLATE ON SHEET EP###.
13. SINGLE PHASE (120/208V) BRANCH CIRCUITS MUST CONSIST OF 2#12 & 1#12 GND. IN 3/4" C UON. THREE PHASE BRANCH CIRCUITS CONSIST OF 3#12 & 1#12 GND IN 1/2"C UON.
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 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 BY THE CONTRACTOR AT NO COST TO THE GOVERNMENT.
16. VARIABLE AIR VOLUME UNIT CONTROLS SHALL BE PROVIDED BY MECHANICAL CONTRACTOR PER MH SERIES OF DRAWINGS. 120V CIRCUITS HAVE BEEN ALLOCATED IN PANELBOARD SCHEDULES. MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE COST FOR A COMPLETE OPERABLE SYSTEM. MECHANICAL CONTRACTOR MAY UTILIZE ELECTRICAL CONTRACTOR FOR INSTALLATION OF HVAC WIRING BUT MUST COORDINATE WITH ELECTRICAL CONTRACTOR. ANY ADDITIONAL CIRCUITS REQUIRED FOR CONTROLS MUST BE INCLUDED IN COST. LIMIT 8-10 VAV UNITS PER 120V BRANCH CIRCUIT PROVIDED.

CONSTRUCTION NOTES

1. CONTRACTOR MUST PROVIDE A MINIMUM OF 2 WEEKS NOTICE OF POWER OUTAGES TO ACTIVITY AND GOVERNMENT OFFICIAL.

SYM	NUMBER 9 ON GENERAL NOTES UPDATED	DATE	APPR
1		04/27/2026	IP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Pakaj
Date: 04/27/2026 License Number: 56584

SEAL

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ELECTRICAL SYMBOLS, LEGEND, ABBREVIATIONS, AND NOTES

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322168
SHEET 313 OF 468

E-001

DRAWFORM REVISION: 25 AUGUST 2020

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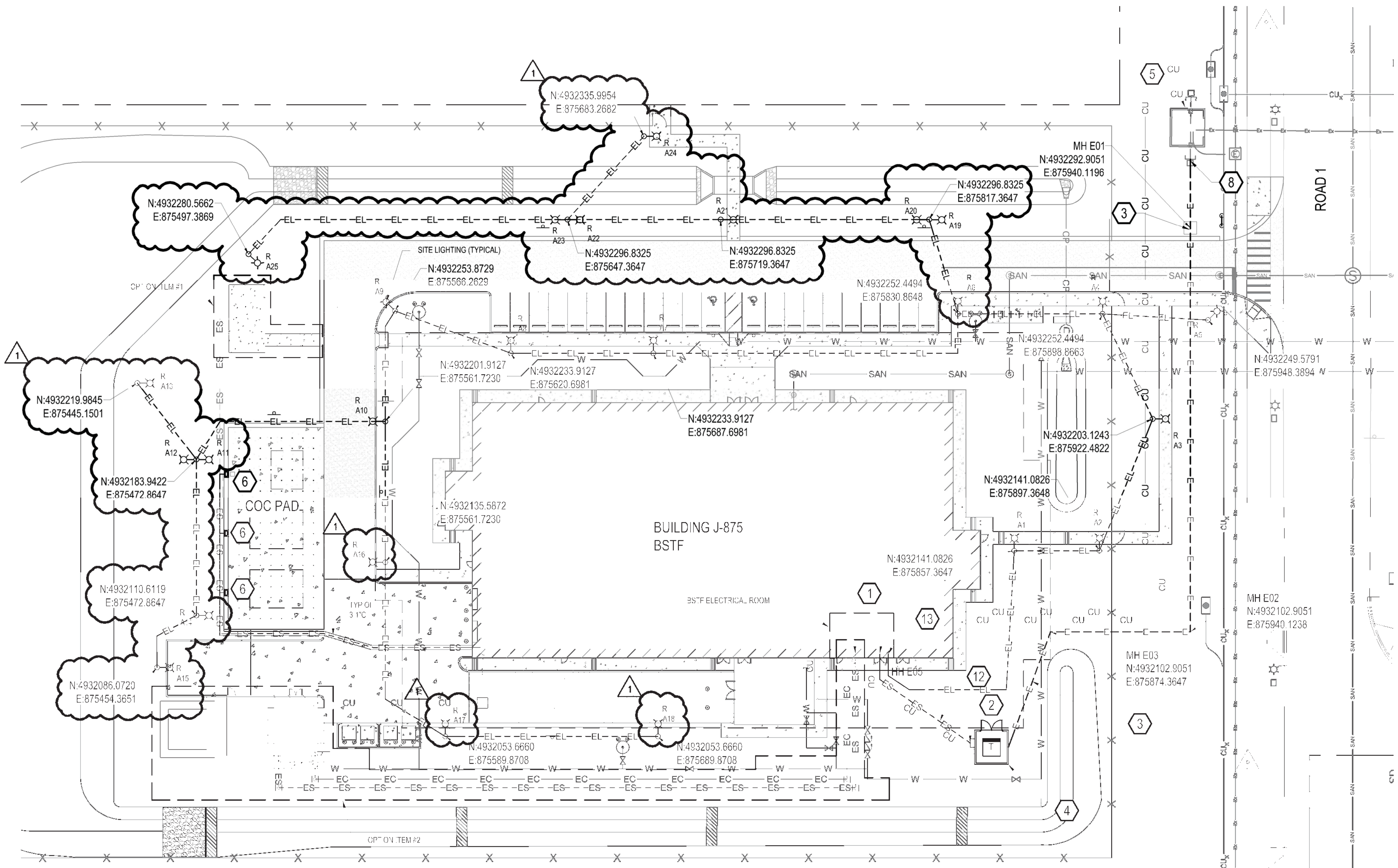


A1 ELECTRICAL SITE PLAN - BASE BID

SCALE: 1" = 30'

NORTH

1"=30' 0' 30' 60'

NOTES:

1. FOR ELECTRICAL LEGEND SEE SHEET E-001.
2. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
3. FOR LIGHTING DETAILS SEE EL500 SERIES SHEETS.
4. FOR SITE LIGHTING DIAGRAM SEE SHEET EL602.
5. LIGHT POLE FOUNDATIONS MUST BE MINIMUM 10'-0" AWAY FROM HORIZONTAL UNDERGROUND UTILITIES.
6. FOR CONDUITS AND DUCT BANKS ROUTED UNDER DRIVING SURFACES. CONDUIT(S) MUST BE CONCRETE ENCASED.

(X) KEY NOTES:

1. CONNECT TO MAIN ELECTRICAL ROOM EQUIPMENT. SEE DRAWING EP105 FOR CONTINUATION INTO ELECTRICAL ROOM AND CONNECTION TO EQUIPMENT.
2. AMI ELECTRIC METER MOUNTED ON TRANSFORMER ENCLOSURE. PROVIDE (3) PT'S AND (3) CT'S IN A SEPARATE CT CABINET.
3. PROVIDE PRIMARY FEEDER CONDUIT AND CONDUCTORS IN 1X2 DUCTBANK WITH ONE SPARE INCLUDED. SEE DETAILS ON EP500 SERIES AND FOR EP720.
4. PROVIDE A CONCRETE PAD FOR TRANSFORMER. SEE DETAILS ON EP500 SERIES AND AS103.
5. EXISTING PAD MOUNTED SECTIONAZLING CABINET ST P574-19.
6. FOR COC PADESTALS. PROVIDE FOURPLEX RECEPTACLE 5-20R RATED GFI ON DEDICATED CIRCUIT FED BY LP-104. FOR TELECOMMUNCATIONS SEE DETAIL A3 ON SHEET TS501
7. FOR COC PEDESTALS, PROVIDE 1"C 6#10, 1#12 GND BACK TO GENERATOR BUILDING PANELBOARD LP-105.
8. UTILIZE EXISTING CONDUIT STUB UP TO ROUTE MEDIUM VOLTAGE CABLES TO EXISTING SECTIONAL CABINET FOR CONNECTION. SEE ELECTRICAL ONE-LINE DIAGRAM ON DRAWING EP601 FOR MORE DETAILS.
9. BID OPTION 2: PROVIDE TWO CONDUITS FROM GENERATOR BUILDING TO ELECTRICAL ROOM:
   - 1 - 1 1/2"C FROM LP105 TO LDP101
   - 1 - 1"C FROM GEN CONTROL PNL TO ATS AND E-SWITCH

   SEE DRAWING EP 105 AND EP 122 FOR CONTINUATION INTO ELETRICAL ROOM, GENERATOR ROOM AND CONNECTIONS TO EQUIPMENT.
10. BID OPTION 1: FOR PAVILION, PROVIDE 1"C-4#10, 1#12 TO FEED LIGHTING AND RECEPTACLES BACK TO GENERATOR BUILDING PANELBOARD LP-105.
11. BID OPTION 2: FOR GENERATOR FEEDER CONDUIT AND CONDUCTORS, PROVIDE A 2X3 DUCTBANK ENCASED IN CONCRETE WITH ONE SPARE. SEE DETAILS ON EP 500 SERIES.
12. FOR TRANSFORMER SECONDARY CONDUIT AND CONDUCTORS.PROVIDE A 2X3 DUCTBANK ENCASED IN CONCRETE WITH ONE SPARE. SEE DETAILS ON EP 500 SERIES.
13. CONNECT LIGHTING CIRCUIT BACK TO PANELBOARD HP101 VIA LIGHTING CONTACTOR LC-1.

LEGEND:

ELECTRICAL PRIMARY DUCTBANK	— — —E— — —E— — —E—
ELECTRICAL SECONDARY DUCTBANK	— — —ES— — —ES— — —ES—
ELECTRICAL LIGHTING CONDUIT	— — —EL— — —EL— — —EL—
ELECTRICAL POWER AND CONTROL CONDUIT	———EC———EC———

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paloja

Date: 03/11/2026 License Number: 56584

REVISION	DATE	APPR
1 REVISION ON PROPOSED LIGHTING CONDUIT AND LIGHT POLES	04/27/2026	

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paloja

Date: 04/27/2026 License Number: 56584

ASMD LLC.

APPROVED

DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3 10 2026

DES IP | DRW ZM | CHK JD

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION JC

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC

U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ELECTRICAL SITE PLAN - BASE BID

SCALE: AS NOTED

EPROJECT NO.: 1696746

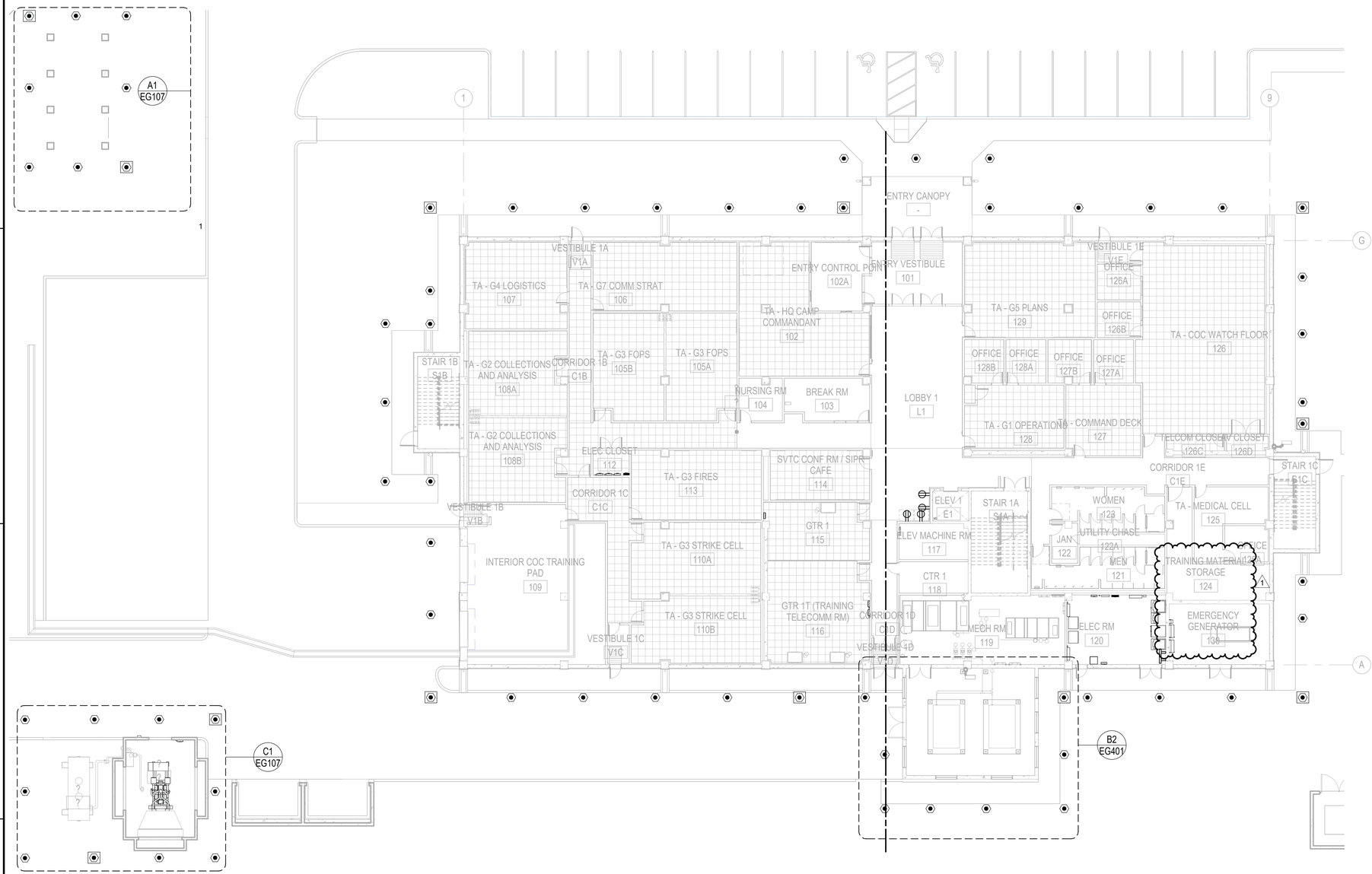
CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17322170

SHEET 369 OF 468

ES100

DRAWFORM REVISION: 25 AUGUST 2020



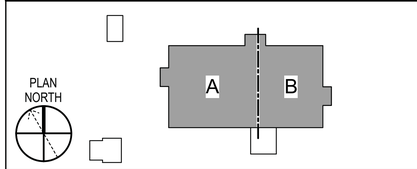
B3 OVERALL GROUNDING PLAN

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

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR GROUNDING DETAILS SEE EP500 SERIES SHEETS.

KEY PLAN



GRAPHIC SCALE(S)

1/16" = 1' - 0"

0 5' 10' 20' 30' 60'

SYM	ROOM TAGS	DATE	APPR
1		04/27/2026	IP

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Signature:

Name: Ilir Paloja

Date: 04/27/2026 License Number: 56584

SEAL

A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND -- PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

OVERALL GROUNDING PLAN

SCALE: As indicated

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17322172

SHEET 317 OF 468

EG101

DRAWFORM REVISION: 25 AUGUST 2020

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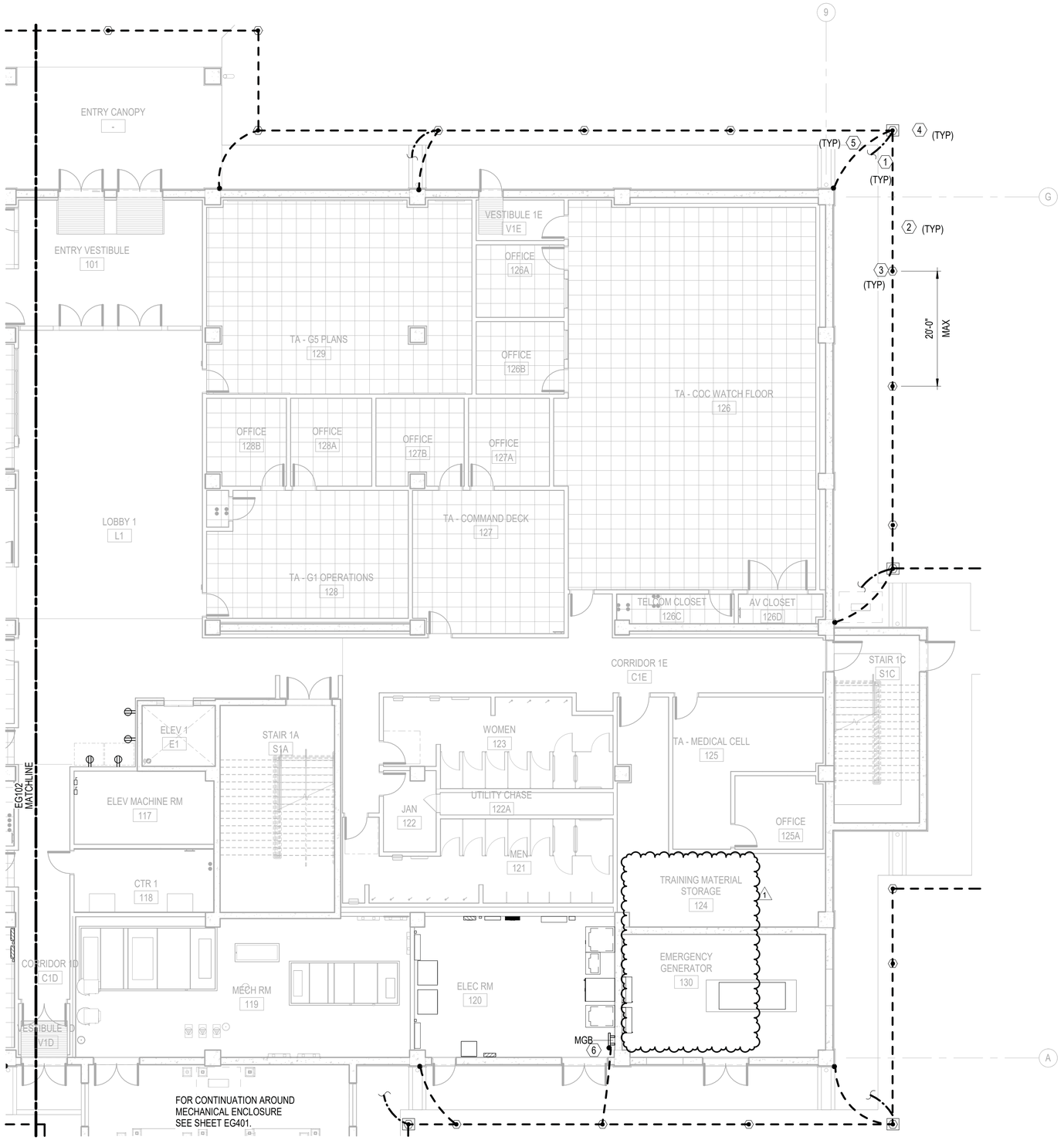


A1 GROUNDING PLAN FIRST FLOOR AREA B

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

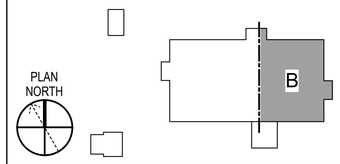
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR GROUNDING DETAILS SEE EP500 SERIES SHEETS.

KEYNOTES

1. PROVIDE #4/0 CU DOWN CONDUCTOR FROM ROOF MOUNTED LIGHTNING PROTECTION SYSTEM. REFER TO SHEET EG106 FOR CONTINUATION.
2. PROVIDE #4/0 CU GROUNDING RING.
3. PROVIDE 10' X 3/4" COPPER CLAD GROUNDING ROD.
4. PROVIDE TEST WELL AND GROUNDING ROD.
5. PROVIDE #4/0 CU BOND TO FOUNDATION REINFORCEMENT BAR.
6. PROVIDE CONNECTION TO MAIN SERVICE GROUND BUS (MGB). REFER TO RISER DIAGRAM, SHEET EP501.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	ROOM TAGS	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED GROUNDING PLAN AREA B

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322174
SHEET 319 OF 468
EG103
DRAWFORM REVISION: 25 AUGUST 2020

4/29/2026 8:34:47 AM EG103
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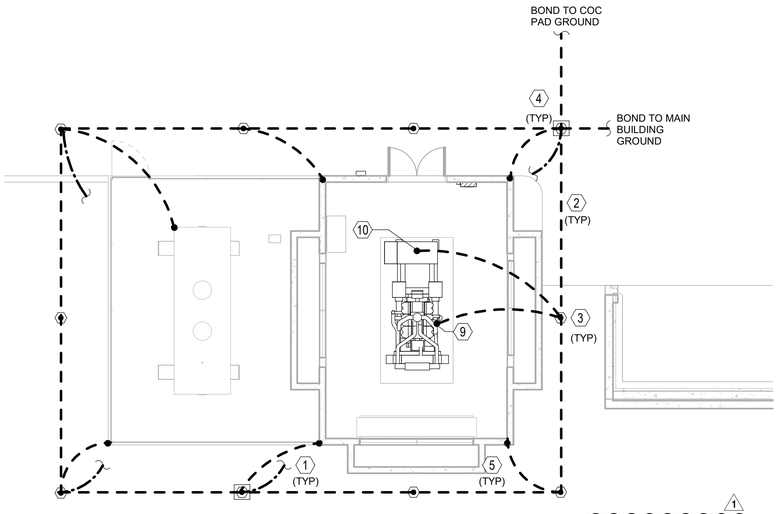
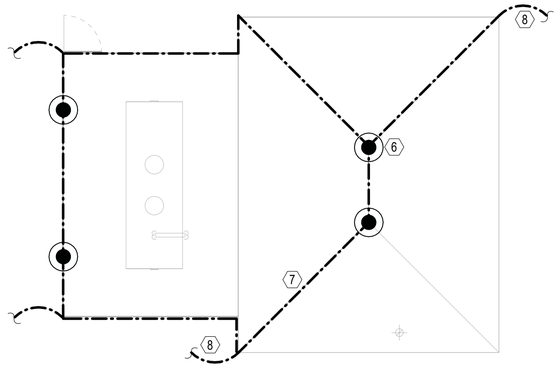


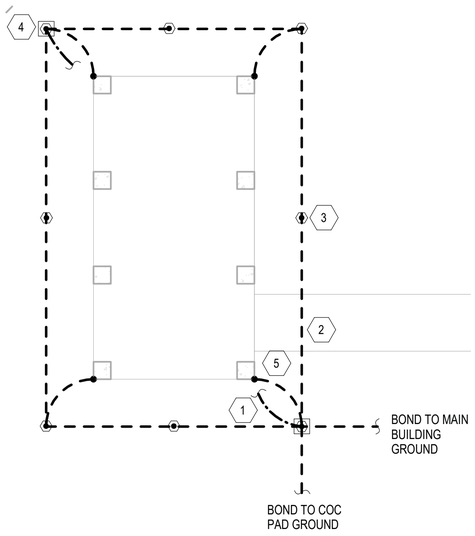
(EG101) **C1** **GENERATOR BUILDING - GROUNDING PLAN - BID OPTION #2** (1)

1/8" = 1'-0"



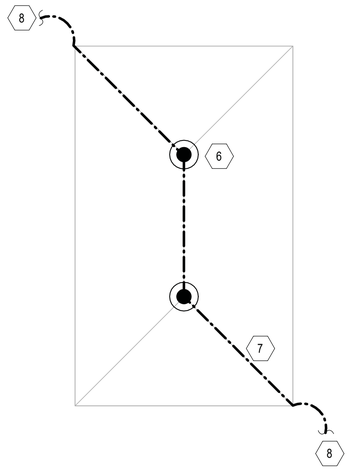
C3 **GENERATOR BUILDING - LIGHTNING PROTECTION PLAN - BID OPTION #2** (1)

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



(EG101) **A1** **PAVILION GROUNDING PLAN - BID OPTION #1**

1/8" = 1'-0"



A3 **PAVILION - LIGHTNING PROTECTION PLAN - BID OPTION #1**

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

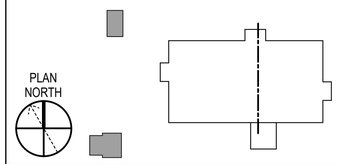
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR GROUNDING DETAILS SEE EP500 SERIES SHEETS.
3. FOR LIGHTNING PROTECTION DETAILS SEE EP500 SERIES SHEETS.
4. LOCATE AIR TERMINALS AS SHOWN. AIR TERMINAL SHALL BE WITHIN 2'-0" OF OUTIDE BUILDING EDGE, OUTSIDE CORNERS, AND RIDGE ENDS AND THAT MIXIMUM SPACING DOES NOT EXCEED 20'-0" ON PERIMETER AND RIDGE AND THAT MINIMUM PROJECTION ABOVE OBJECT PROTECTED IS 10".
5. MAINTAIN HORIZONTAL OR DOWNWARD COURSING OF MAIN CONDUCTOR AND ENSURE THAT ALL BENDS HAVE A MINIMUM OF 8" RADIUS AND DO NOT EXCEED 90 DEGREE.
6. ATTACHED ALL EXPOSED ROOF, DOWNLEAD AND BONDING CABLES AT 36" ON CENTER, MAXIMUM.
7. INTERCONNECT LIGHTNING PROTECTION GROUND TO ELECTRICAL SERVICE, TELEPHONE AND OTHER BUILDING GROUNDING SYSTEMS AS SHOWN OR AS REQUIRED BY CODE.
8. ALL MATERIALS SHALL BEAR UNDERWRITERS LABORATORIES LABELS.
9. RECORD DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH CERTIFICATION PROCEDURES.

KEYNOTES (X)

1. PROVIDE #4/0 CU DOWN CONDUCTOR FROM ROOF MOUNTED LIGHTNING PROTECTION SYSTEM.
2. PROVIDE #4/0 CU GROUNDING RING.
3. PROVIDE 10' X 3/4" COPPER CLAD GROUNDING ROD.
4. PROVIDE TEST WELL AND GROUNDING ROD.
5. PROVIDE #4/0 CU BOND TO FOUNDATION REINFORCEMENT BAR.
6. PROVIDE ROOF MOUNTED AIR TERMINAL.
7. PROVIDE LIGHTNING PROTECTION CONDUCTOR, CLASS 1, OF 29 STRANDS X 17 AWG, COPPER.
8. LIGHTNING PROTECTION DOWNLEAD CONDUCTOR, CLASS 1, OF 29 STRANDS X 17 AWG, COPPER TO GROUNDING LOOP. REFER TO SHEET EG102 FOR CONTINUATION.
9. CONNECT GROUNDING CONDUCTOR TO GENERATOR FRAME.
10. PROVIDE GROUNDING CONDUCTOR TO GENERATOR GROUND BAR IN MAIN GENERATOR CIRCUIT BREAKER

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	C1 AND C3 DESCRIPTION UPDATED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584

SEAL

ASMD L.L.C.

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
GENERATOR & PAVILION BUILDINGS - GROUNDING AND LIGHTNING PROTECTION PLANS

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17332178
SHEET 323 OF 468

EG107

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:20:01 PM EG107
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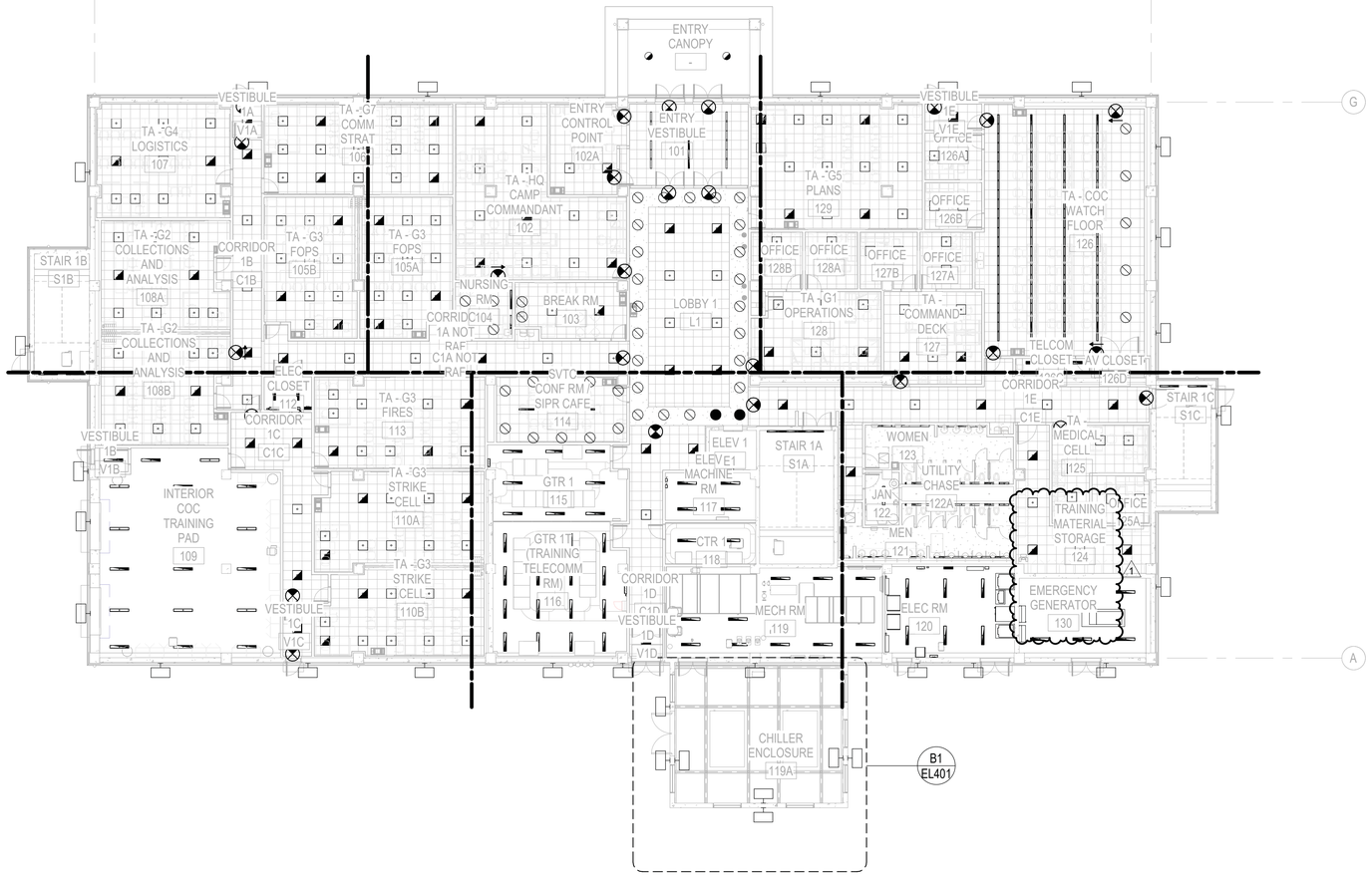


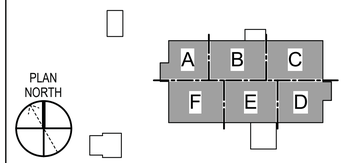
B2 OVERALL FIRST FLOOR LIGHTING PLAN

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

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR SITE LIGHTING SEE SHEET ES100.
3. FOR LIGHTING DETAILS SEE EL500 SERIES SHEETS.
4. L# FOR LIGHTING CONTROL SCHEDULE SEE SHEETS EL601-EL602 FOR CORRESPONDING LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR SPACE.
5. FOR LIGHT FIXTURE SCHEDULE SEE EL700 SERIES SHEETS.
6. FOR STAIRWAY SECTION LIGHTING SEE SHEET EL301.
7. CONNECT EXIT SIGNS TO NON-SWITCHED LEG AHEAD OF LIGHTING CONTROL TO THE AREA.
8. AUTOMATIC RECEPTACLE CONTROL (ARC) IS PART OF THE LIGHTING CONTROL SYSTEM. CONTROLLED RECEPTACLES SHOWN ON EP100 SERIES POWER PLAN SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
9. EXTERIOR LIGHTS AT MAN DOORS MUST INCLUDE EMERGENCY BATTERY PACK.
10. UNLESS NOTED OTHERWISE, SUSPENDED FIXTURES IN ROOMS WITHOUT CEILINGS ARE 10'-0" AFF TO BOTTOM OF FIXTURE.
11. UNLESS NOTED OTHERWISE, MOUNT EXIT SIGNS AND EXTERIOR WALL PACK FIXTURES 6" ABOVE DOOR FRAME TO BOTTOM OF FIXTURE.
12. SUSPENDED LIGHTS MUST NOT BE SUPPORTED BY CABLE TRAYS OR MECHANICAL DUCTS, EQUIPMENT, OR PIPING. CONTRACTOR MUST PROVIDE FRAMING AROUND OBSTRUCTIONS WHERE REQUIRED TO MOUNT LIGHTS BELOW OBSTRUCTIONS. COORDINATE WITH MECHANICAL CONTRACTORS AND CABLE TRAY CONTRACTOR TO PROVIDE BEST LIGHT COVERAGE WHERE LIGHTS ARE SHOWN.

KEY PLAN



GRAPHIC SCALE(S)

1/16" = 1' - 0" 0 5' 10' 20' 30' 60'

SYM	DESCRIPTION	DATE	APPR
1	ROOM TAGS	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JMD	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENGIARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
OVERALL LIGHTING PLAN - FIRST FLOOR

SCALE:	As indicated
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322180
SHEET	325 OF 468

EL101

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:20:09 PM EL101
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ENLARGED LIGHTING PLAN - FIRST FLOOR AREA 1B

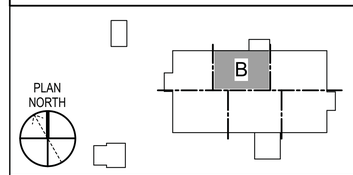
A2

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

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR SITE LIGHTING SEE SHEET ES100.
3. FOR LIGHTING DETAILS SEE EL500 SERIES SHEETS.
4. L# FOR LIGHTING CONTROL SCHEDULE SEE SHEETS EL601-EL602 FOR CORRESPONDING LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR SPACE.
5. FOR LIGHT FIXTURE SCHEDULE SEE EL700 SERIES SHEETS.
6. FOR STAIRWAY SECTION LIGHTING SEE SHEET EL301.
7. CONNECT EXIT SIGNS TO NON-SWITCHED LEG AHEAD OF LIGHTING CONTROL TO THE AREA.
8. AUTOMATIC RECEPTACLE CONTROL (ARC) IS PART OF THE LIGHTING CONTROL SYSTEM. CONTROLLED RECEPTACLES SHOWN ON EP100 SERIES POWER PLAN SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
9. EXTERIOR LIGHTS AT MAN DOORS MUST INCLUDE EMERGENCY BATTERY PACK.
10. UNLESS NOTED OTHERWISE, SUSPENDED FIXTURES IN ROOMS WITHOUT CEILINGS ARE 10'-0" AFF TO BOTTOM OF FIXTURE.
11. UNLESS NOTED OTHERWISE, MOUNT EXIT SIGNS AND EXTERIOR WALL PACK FIXTURES 6" ABOVE DOOR FRAME TO BOTTOM OF FIXTURE.
12. SUSPENDED LIGHTS MUST NOT BE SUPPORTED BY CABLE TRAYS OR MECHANICAL DUCTS, EQUIPMENT, OR PIPING. CONTRACTOR MUST PROVIDE FRAMING AROUND OBSTRUCTIONS WHERE REQUIRED TO MOUNT LIGHTS BELOW OBSTRUCTIONS. COORDINATE WITH MECHANICAL CONTRACTORS AND CABLE TRAY CONTRACTOR TO PROVIDE BEST LIGHT COVERAGE WHERE LIGHTS ARE SHOWN.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADJUSTED LOCATIONS	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paloja

Date: 04/27/2026 License Number: 56584

SEAL

ASMD LLC.

A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE: 3/10/2026

DES JMD DRW JMD CHK IP

PM/DM: DKS/DMK

BRANCH MANAGER: KYM

CHIEF ENG/ARCH: KYM

FIRE PROTECTION: RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED LIGHTING PLAN - FIRST FLOOR AREA 1B

SCALE: As indicated

EPROJECT NO.: 1696746

CONSTR. CONTR. NO.: N62742-20-D-0001

NAVFAC DRAWING NO.: 17322182

SHEET 327 OF 468

EL103

DRAWFORM REVISION: 25 AUGUST 2020

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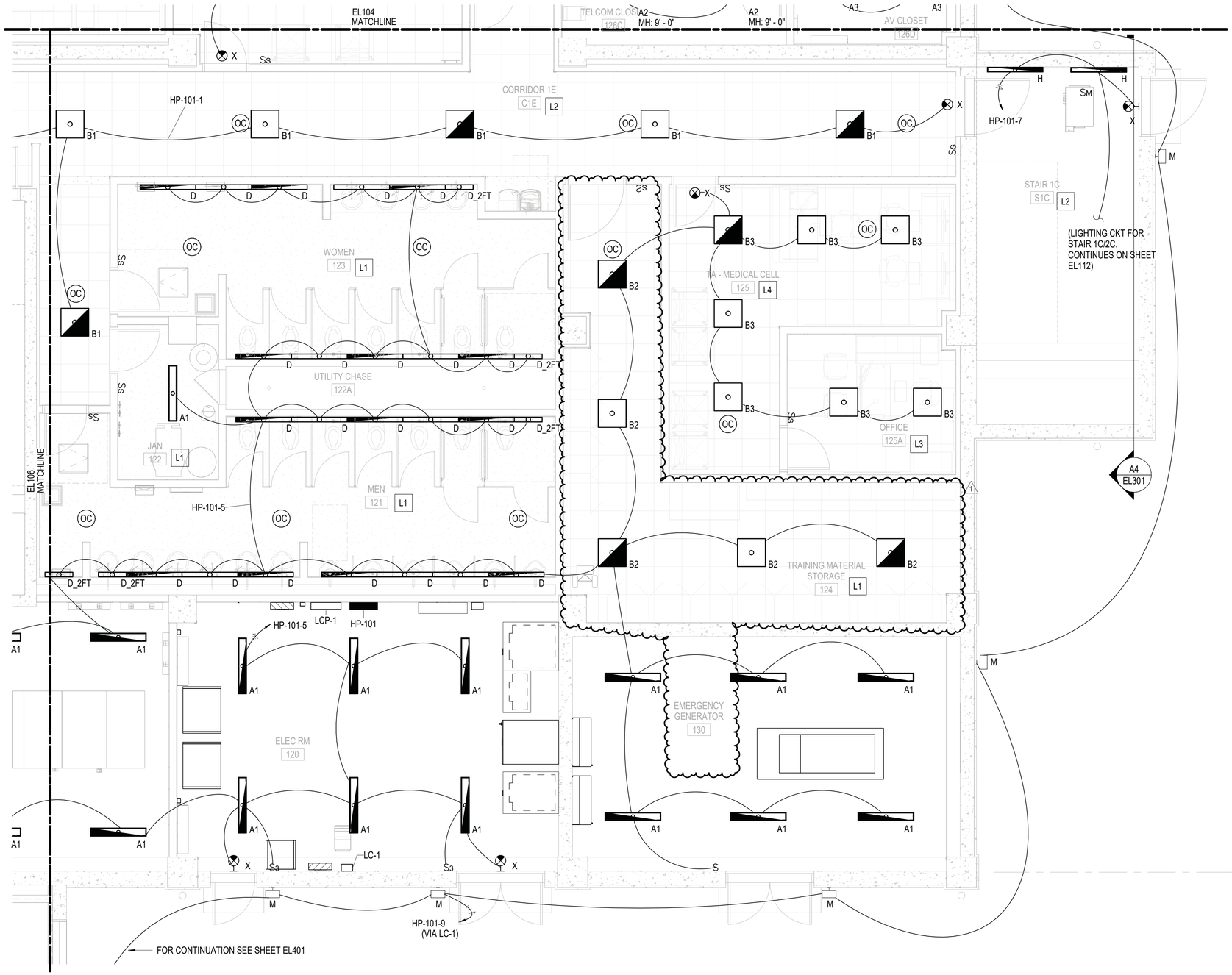


ENLARGED LIGHTING PLAN - FIRST FLOOR AREA 1D

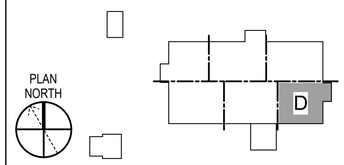
A2

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

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR SITE LIGHTING SEE SHEET ES100.
3. FOR LIGHTING DETAILS SEE EL500 SERIES SHEETS.
4. L# FOR LIGHTING CONTROL SCHEDULE SEE SHEETS EL601-EL602 FOR CORRESPONDING LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR SPACE.
5. FOR LIGHT FIXTURE SCHEDULE SEE EL700 SERIES SHEETS.
6. FOR STAIRWAY SECTION LIGHTING SEE SHEET EL301.
7. CONNECT EXIT SIGNS TO NON-SWITCHED LEG AHEAD OF LIGHTING CONTROL TO THE AREA.
8. AUTOMATIC RECEPTACLE CONTROL (ARC) IS PART OF THE LIGHTING CONTROL SYSTEM. CONTROLLED RECEPTACLES SHOWN ON EP100 SERIES POWER PLAN SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
9. EXTERIOR LIGHTS AT MAN DOORS MUST INCLUDE EMERGENCY BATTERY PACK.
10. UNLESS NOTED OTHERWISE, SUSPENDED FIXTURES IN ROOMS WITHOUT CEILINGS ARE 10'-0" AFF TO BOTTOM OF FIXTURE.
11. UNLESS NOTED OTHERWISE, MOUNT EXIT SIGNS AND EXTERIOR WALL PACK FIXTURES 6" ABOVE DOOR FRAME TO BOTTOM OF FIXTURE.
12. SUSPENDED LIGHTS MUST NOT BE SUPPORTED BY CABLE TRAYS OR MECHANICAL DUCTS, EQUIPMENT, OR PIPING. CONTRACTOR MUST PROVIDE FRAMING AROUND OBSTRUCTIONS WHERE REQUIRED TO MOUNT LIGHTS BELOW OBSTRUCTIONS. COORDINATE WITH MECHANICAL CONTRACTORS AND CABLE TRAY CONTRACTOR TO PROVIDE BEST LIGHT COVERAGE WHERE LIGHTS ARE SHOWN.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ROOM TAGS; ROOM DESIGN UPDATE	04/27/2026	IP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paloja

Date: 04/27/2026 License Number: 56584

SEAL

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY

NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE	3/10/2026		
DES	JMD	DRW JMD	CHK IP
PM/DM	DKS/DMK		
BRANCH MANAGER	KYM		
CHIEF ENG/ARCH	KYM		
FIRE PROTECTION	RYO		

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED LIGHTING PLAN - FIRST FLOOR AREA 1D

SCALE:	As indicated
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322184
SHEET	329 OF 468

EL105

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:20:16 PM EL105
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ENLARGED LIGHTING PLAN - SECOND FLOOR AREA 2D

A2

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

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR SITE LIGHTING SEE SHEET ES100.
3. FOR LIGHTING DETAILS SEE EL500 SERIES SHEETS.
4. L# FOR LIGHTING CONTROL SCHEDULE SEE SHEETS EL601-EL602 FOR CORRESPONDING LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR SPACE.
5. FOR LIGHT FIXTURE SCHEDULE SEE EL700 SERIES SHEETS.
6. FOR STAIRWAY SECTION LIGHTING SEE SHEET EL301.
7. CONNECT EXIT SIGNS TO NON-SWITCHED LEG AHEAD OF LIGHTING CONTROL TO THE AREA.
8. AUTOMATIC RECEPTACLE CONTROL (ARC) IS PART OF THE LIGHTING CONTROL SYSTEM. CONTROLLED RECEPTACLES SHOWN ON EP100 SERIES POWER PLAN SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
9. EXTERIOR LIGHTS AT MAN DOORS MUST INCLUDE EMERGENCY BATTERY PACK.
10. UNLESS NOTED OTHERWISE, SUSPENDED FIXTURES IN ROOMS WITHOUT CEILINGS ARE 10'-0" AFF TO BOTTOM OF FIXTURE.
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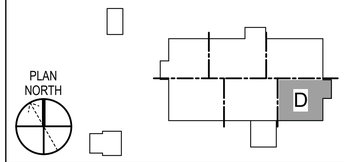
KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ROOM DESIGN CHANGED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Pakoja
Date: 04/27/2026 License Number: 56584

SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRW	CHK
JMD	JMD	IP

PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED LIGHTING PLAN - SECOND FLOOR AREA 2D

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322191
SHEET 336 OF 468

EL112

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:20:20 PM EL112
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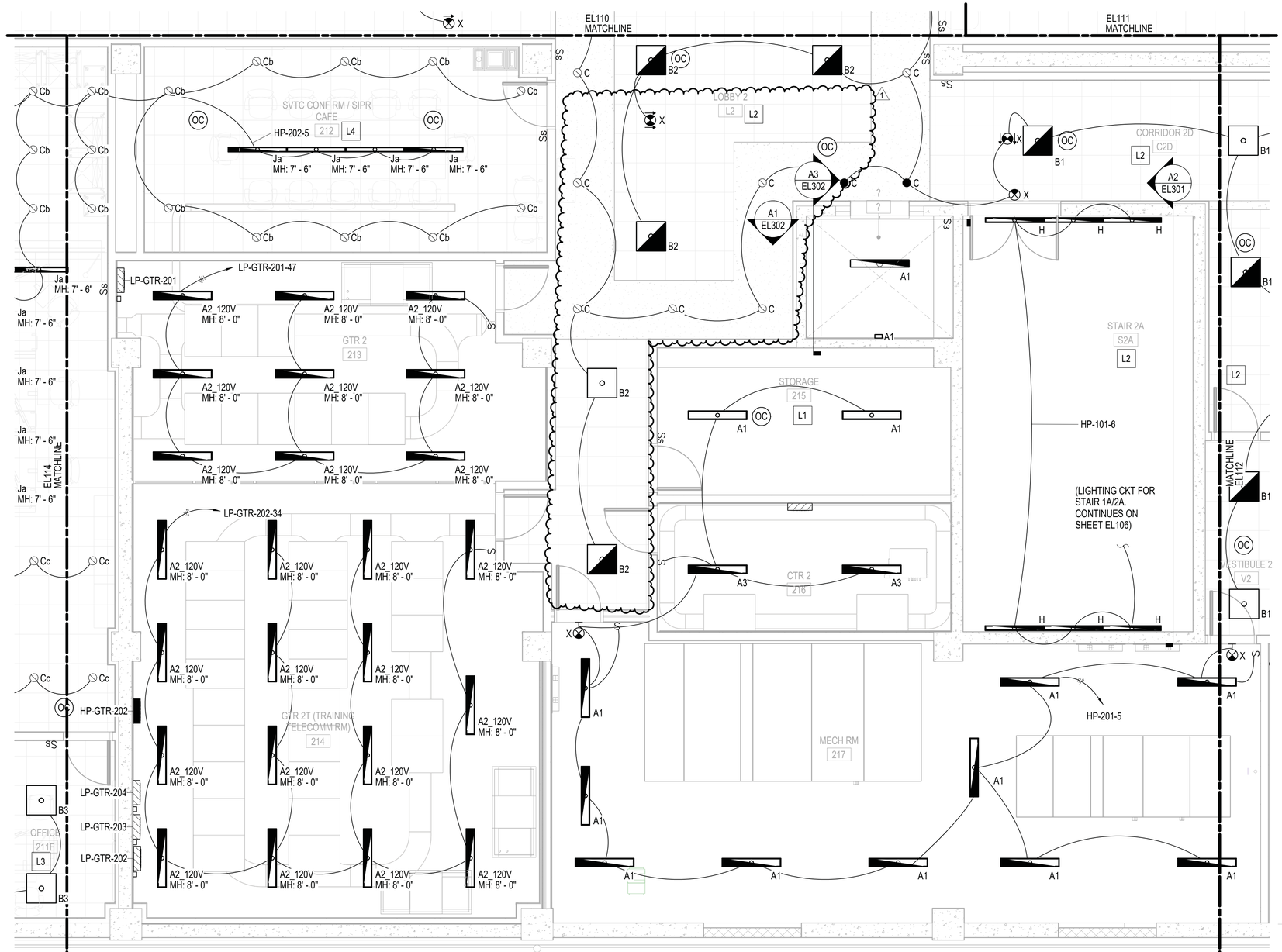


ENLARGED LIGHTING PLAN - SECOND FLOOR AREA 2E

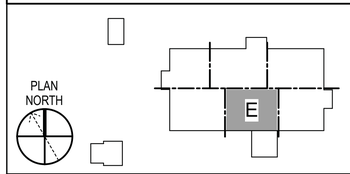
A2

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

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR SITE LIGHTING SEE SHEET ES100.
3. FOR LIGHTING DETAILS SEE EL500 SERIES SHEETS.
4. L# FOR LIGHTING CONTROL SCHEDULE SEE SHEETS EL601-EL602 FOR CORRESPONDING LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR SPACE.
5. FOR LIGHT FIXTURE SCHEDULE SEE EL700 SERIES SHEETS.
6. FOR STAIRWAY SECTION LIGHTING SEE SHEET EL301.
7. CONNECT EXIT SIGNS TO NON-SWITCHED LEG AHEAD OF LIGHTING CONTROL TO THE AREA.
8. AUTOMATIC RECEPTACLE CONTROL (ARC) IS PART OF THE LIGHTING CONTROL SYSTEM. CONTROLLED RECEPTACLES SHOWN ON EP100 SERIES POWER PLAN SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
9. EXTERIOR LIGHTS AT MAN DOORS MUST INCLUDE EMERGENCY BATTERY PACK.
10. UNLESS NOTED OTHERWISE, SUSPENDED FIXTURES IN ROOMS WITHOUT CEILINGS ARE 10'-0" AFF TO BOTTOM OF FIXTURE.
11. UNLESS NOTED OTHERWISE, MOUNT EXIT SIGNS AND EXTERIOR WALL PACK FIXTURES 6" ABOVE DOOR FRAME TO BOTTOM OF FIXTURE.
12. SUSPENDED LIGHTS MUST NOT BE SUPPORTED BY CABLE TRAYS OR MECHANICAL DUCTS, EQUIPMENT, OR PIPING. CONTRACTOR MUST PROVIDE FRAMING AROUND OBSTRUCTIONS WHERE REQUIRED TO MOUNT LIGHTS BELOW OBSTRUCTIONS. COORDINATE WITH MECHANICAL CONTRACTORS AND CABLE TRAY CONTRACTOR TO PROVIDE BEST LIGHT COVERAGE WHERE LIGHTS ARE SHOWN.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ROOM DESIGN CHANGED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paloja

Date: 04/27/2026 License Number: 56584

SEAL

ASMD LLC.

A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES JMD DRW JMD CHK IP

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED LIGHTING PLAN - SECOND FLOOR AREA 2E

SCALE: As indicated

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17322192

SHEET 337 OF 468

EL113

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:20:25 PM EL113
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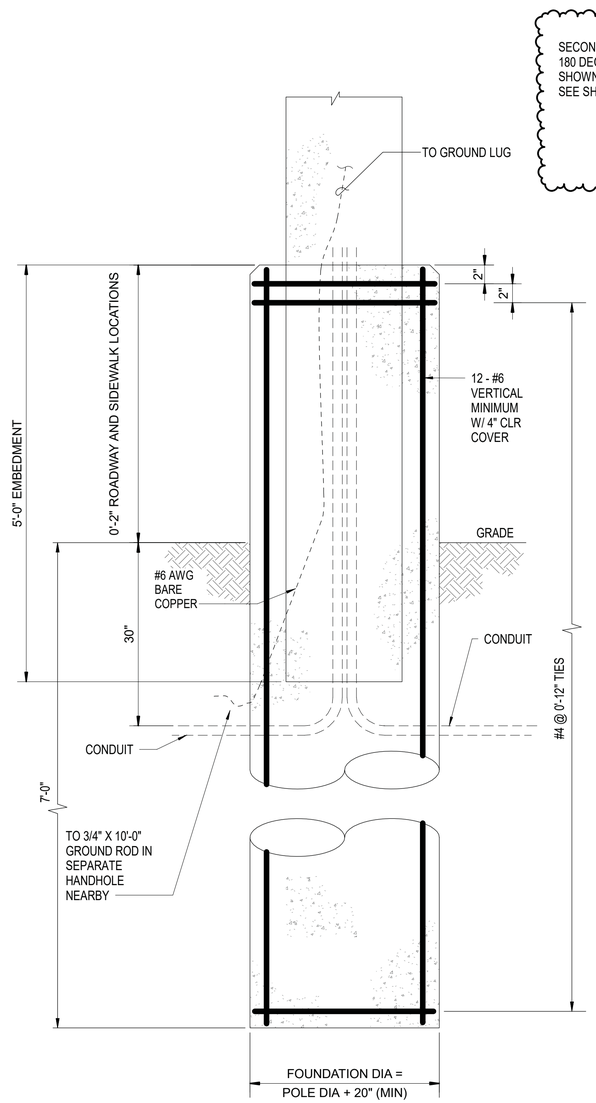
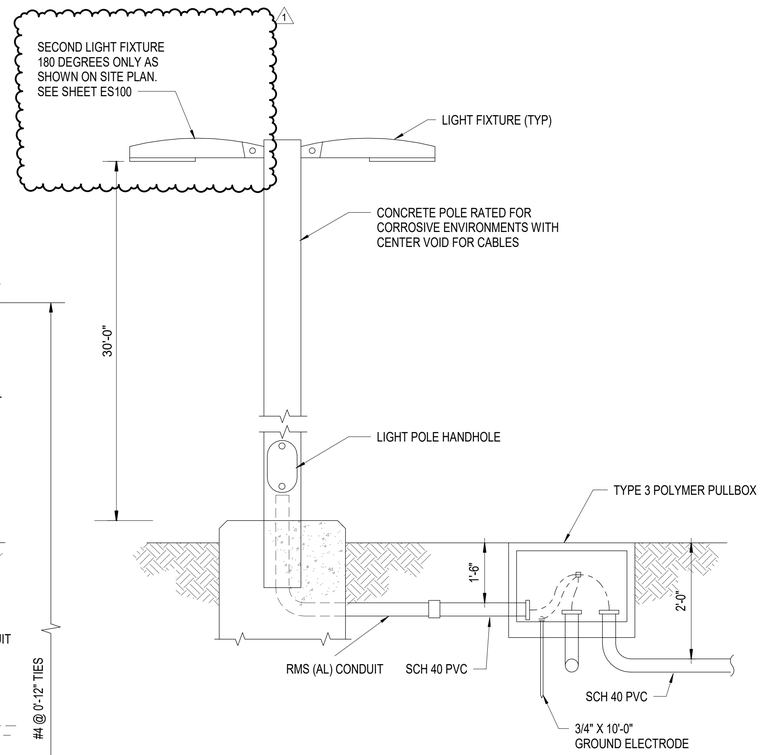


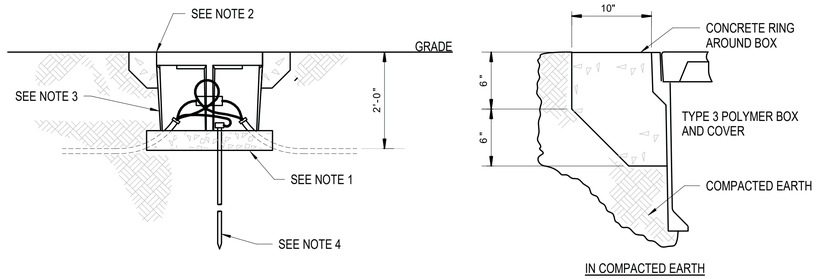


LIGHT POLE FOUNDATION NOTES:

1. CONCRETE SHALL HAVE A MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAY AGE.
2. COORDINATE FOUNDATION LOCATIONS TO CLEAR EXISTING UTILITIES AND STRUCTURES. POLE SHALL HAVE AN AASHTO BREAKAWAY BASE WHEN LOCATED WITHIN THE ROADWAY TRAFFIC CLEAR ZONE.
3. PROVIDE TEMPORARY STEEL CASING IN HOLE AS NECESSARY FOR PROTECTION OF PERSONNEL AND ADJACENT CONSTRUCTION, TO PREVENT CAVE-INS AND DISPLACEMENT OF EARTH, AND FOR EXCLUSION OF GROUND WATER. IF DEWATERING OF DRILLED PIER IS NOT PRACTICABLE, PLACE FILL CONCRETE USING UNDERWATER TREMIE AFTER WATER HAS BEEN STABILIZED. TREMIE CONCRETE SHALL COMPLY WITH ACI 304, CHAPTER 8.
4. LIGHT POLES AND LIGHT POLE FOUNDATIONS SHOWN ON DRAWING ARE CONCEPTUAL AND ARE NOT RELEASED FOR CONSTRCUTION.
5. CONTRACTOR'S ENGINEER TO PROVIDE LIGHT POLES AND LIGHT POLE FOUNDATION DESIGN. DESIGN SHALL BE SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE U.S. AND RETAINED BY THE CONTRACTOR.
6. SEE STRUCTURAL DETAILS AND NOTES ON S-SERIES SHEETS.

A1 TYPICAL EXTERIOR ROADWAY AND AREA LIGHT POLE FOUNDATION

NOT TO SCALE



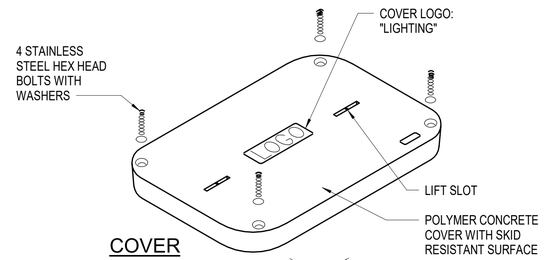
IN COMPACTED EARTH

NOTES:

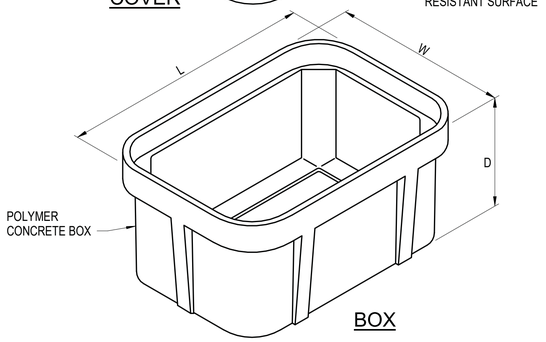
1. PREPARE THE EXCAVATION APPROXIMATELY 6 INCHES DEEPER THAN THE DEPTH OF THE BOX, THEN ADD 6 TO 8 INCHES OF GRAVEL OR CRUSHED ROCK FOR DRAINAGE.
2. PLACE BOX IN HOLE WITH TOP AT GRADE LEVEL.
3. FILL AND COMPACT SOIL TO GRADE LEVEL WITH COVER IN BOX.
4. 3/4" X 10'-0" COPPER GROUND ROD. LEAVE 3" OF ROD ABOVE BASE OF HANDHOLE FOR EXOTHERMIC WELDING GROUND CONNECTION.

C4 TYPICAL HANDHOLE INSTALLATION ELEVATION

NOT TO SCALE



COVER



BOX

TYPE	L X W X D (NOMINAL)
	2'-0" X 1'-1" X 1'-6" (LIGHTING)

NOTES:

1. PULLBOX ASSEMBLY SHALL HAVE A 10,400 LB LOAD RATING IN ACCORDANCE WITH W.U.C. 3.6.
2. BOX AND BASE SHALL NOT CONTAIN STEEL REINFORCING.
3. PULLBOX SHALL BE SET ON COMPACTED GRANULAR FILL. PROVIDE BUILD-UP BRICKS WITH MORTAR AS NECESSARY TO ACCOMMODATE DUCTLINE ENTRIES.
4. PROVIDE CONCRETE COLLAR RING SURROUNDING PULLBOX.
5. PROVIDE 3/4" X 10'-0" GROUND ROD IN PULLBOXES ADJACENT TO LIGHT POLES.

A4 TYPE 3 POLYMER CONCRETE PULLBOX

NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR
1	DUAL FIXTURE FOR POLE	04/27/2026	IP

I Hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paloja

Date: 04/27/2026 License Number: 56584

SEAL

A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY

NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE	3/10/2026
DES JMD / DRW JMD / CHK IP	
PMDM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
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JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

LIGHTING DETAILS - SHEET 2

SCALE: NTS

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17322200

SHEET 345 OF 468

EL502

DRAWFORM REVISION: 25 AUGUST 2020

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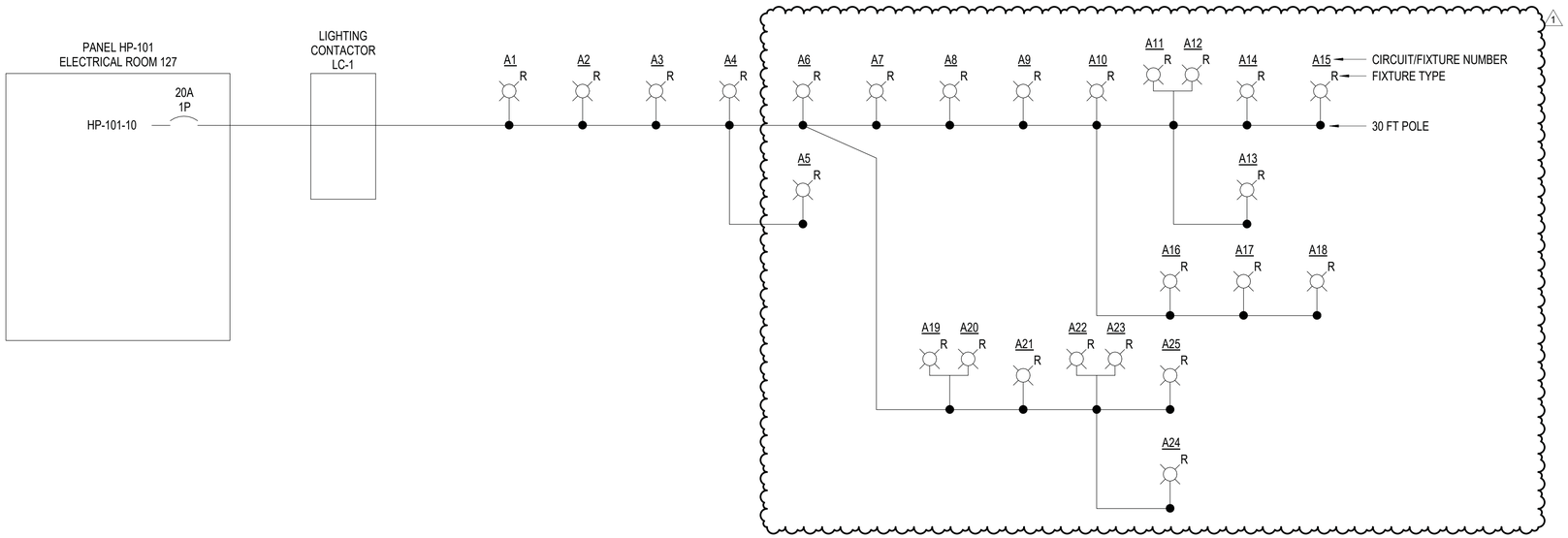
EL502



C2 SITE LIGHTING DIAGRAM

NOT TO SCALE

GENERAL NOTES

1. SITE LIGHTING MUST BE UNDERGROUND 2" DUCT WITH XHHW 2-#10, 1-#10 GND. DIRECT BURIED DUCT UNDER UNPAVED AREAS IS ACCEPTABLE. UNDER DRIVING SURFACES DUCT MUST BE CONCRETE ENCASED.
2. SEE SHEET ES100 ELECTRICAL SITE PLAN FOR LIGHT POLE LOCATIONS.

SYM	DESCRIPTION	DATE	APPR
1	SITE LIGHTING UPDATES	04/27/2026	IP

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Date: 04/27/2026 License Number: 56584

SEAL

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRW	CHK
JMD	JMD	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC

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JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

SITE LIGHTING DIAGRAM

SCALE: NOT SCALED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322205
SHEET 350 OF 468

EL602

DRAWFORM REVISION: 25 AUGUST 2020

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LIGHT FIXTURE SCHEDULE (CONTINUED)

SYMBOL		DESCRIPTION	VOLTAGE	LAMPS	EXAMPLE	REMARKS
P	TYPE:	EXTERIOR CANOPY LED	277 V 60 HZ	LED 28W MAXIMUM WATTAGE INPUT 4000K 70 CRI MINIMUM 3100 LUMEN MINIMUM TOTAL	XL-6	PROVIDE 10W INTEGRAL BATTERY PACK
	COLOR:	DARK BRONZE				
	SIZE:	18" DIA X 5" HEIGHT				
	LED DRIVER:	IP66 RATED				
	MOUNTING:	SURFACE/PENDANT				
	DIFFUSER:	ACRYLIC				
Q	TYPE:	EXTERIOR LOW PROFILE WALL PACK	120 V 60 HZ	LED 13W MAXIMUM WATTAGE INPUT 4000K 70 CRI MINIMUM 1650 LUMEN MAXIMUM	XL-10	
	COLOR:	DARK BRONZE				
	SIZE:	~6" X 6" X 2"				
	LED DRIVER:	IP66 RATED				
	MOUNTING:	WALL				
	DIFFUSER:	ACRYLIC				
R	TYPE:	AREA LED, TYPE III OPTICS	277 V 60 HZ	LED 51W MAXIMUM WATTAGE INPUT 4000K 70 CRI MINIMUM 7500 LUMEN MINIMUM	XL-2	DOUBLE FIXTURE POLES WITH 180 DEGREE ARRANGEMENT ARE INCLUDED IN SOME LOCATIONS. SEE SITE ELECTRICAL PLAN ES100
	COLOR:	DARK BRONZE				
	SIZE:	~30" X 14" X 5"				
	LED DRIVER:	IP66 RATED				
	MOUNTING:	30' POLE MOUNT				
	DIFFUSER:	STANDARD				
X	TYPE:	LED EXIT SIGN, INTEGRAL BATTERY PACK WITH SELF DIAGNOSTICS	277 V 60 HZ	LED 5W MAXIMUM WATTAGE INPUT	NL-28	PROVIDE SINGLE OR DOUBLE FACE AS SHOWN ON DRAWINGS. PROVIDE MOUNTING CANOPY AND CHEVRON ARROWS AS REQUIRED FOR LOCATION.
	COLOR:	RED PANEL, BRUSHED ALUMINUM HOUSING				
	MOUNTING:	SURFACE/WALL/CEILING CEILING MOUNT IN DROP CEILING, WALL MOUNT AT 6" ABOVE DOOR FRAME				

1

GENERAL NOTES

1. LIGHT FIXTURE SCHEDULE CONTINUES ON SHEET EL601.
2. SEE EL500 SERIES SHEETS FOR REPRESENTATIVE EXAMPLE OF FIXTURE.

SYM	DESCRIPTION FOR DUAL HEAD POLE	DATE	APPR
1		04/27/2026	IP

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Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584

SEAL

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	JMD	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

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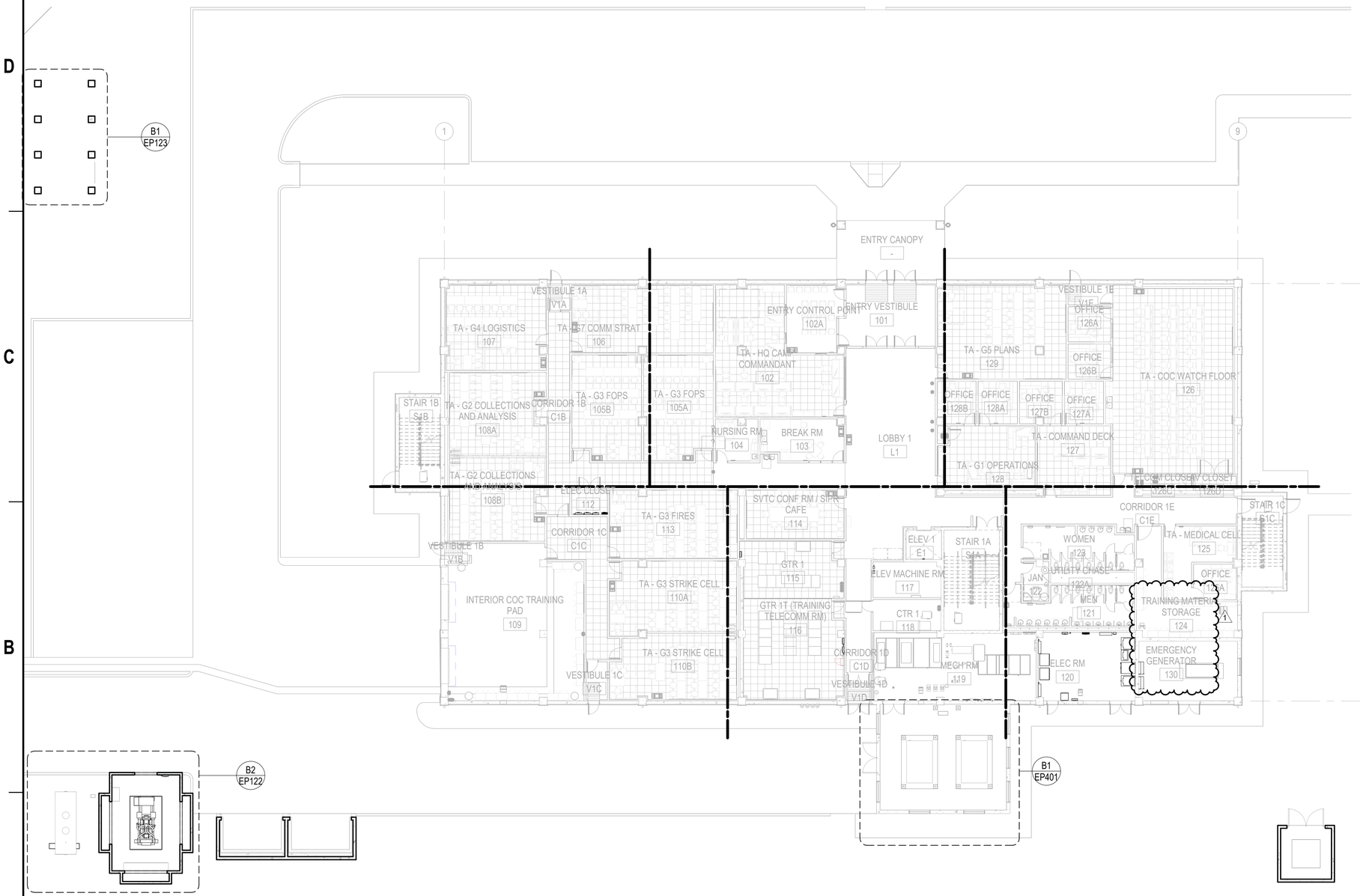
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
LIGHT FIXTURE SCHEDULE - SHEET 2

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.
N62742-20-D-0001
NAVFAC DRAWING NO.
17322207
SHEET 352 OF 468

EL702

DRAWFORM REVISION: 25 AUGUST 2020



B3 OVERALL POWER PLAN - FIRST FLOOR

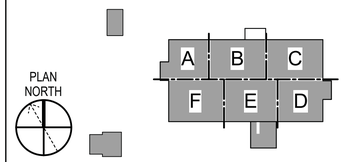
SCALE: 1/16" = 1'-0"

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

KEY PLAN



GRAPHIC SCALE(S)

1/16" = 1' - 0" 0 5' 10' 20' 30' 60'

SYM	DESCRIPTION	ROOM TAGS	DATE	APPR
1			04/27/2026	IP

NAVFAC

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Signature:
Name: Ilir Paluja
Date: 04/27/2026 License Number: 56584
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
OVERALL POWER PLAN - FIRST FLOOR

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322208
SHEET 353 OF 468

EP101

DRAWFORM REVISION: 25 AUGUST 2020

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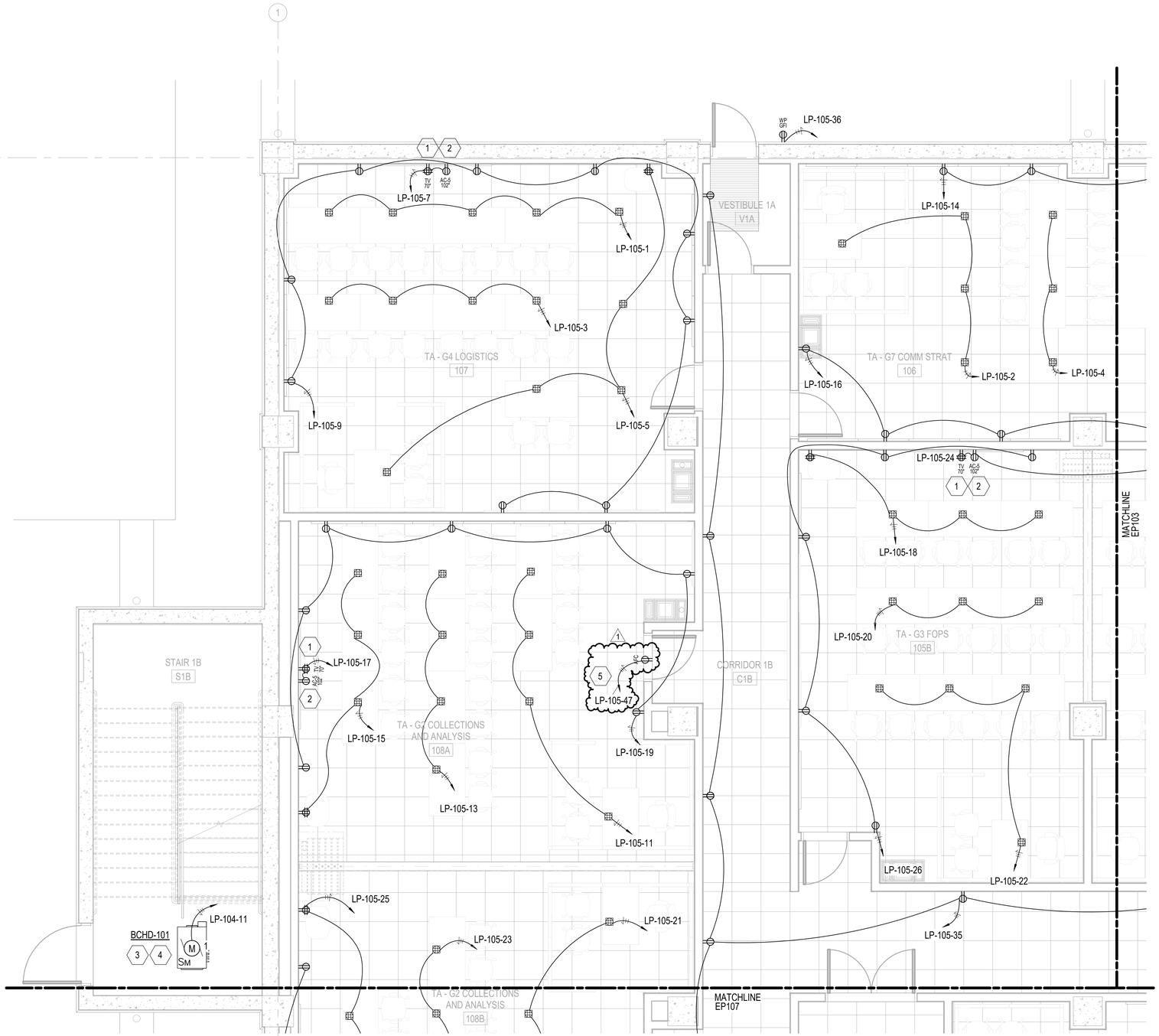


ENLARGED POWER PLAN - FIRST FLOOR AREA 1A

A2

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

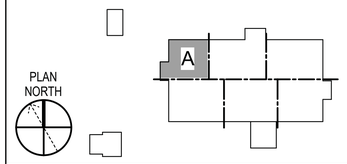
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

1. PROVIDE QUADRUPLEX RECEPTACLE FOR DISPLAY MONITOR AT HEIGHT INDICATED. COORDINATE FINAL LOCATION WITH AUDIO/VISUAL 'TA' SERIES DRAWINGS AND INSTALLATION CONTRACTOR.
2. PROVIDE RECESSED DUPLEX RECEPTACLE FOR CLOCK. COORDINATE FINAL LOCATION WITH INTERIOR 'I' SERIES DRAWINGS.
3. UNIT EQUIPPED WITH ECM MOTOR. PROVIDE DEDICATED NEUTRAL CONDUCTOR.
4. EQUIPMENT IS PROVIDED WITH UNIT MOUNTED DISCONNECT SWITCH BY MECHANICAL.
5. PROVIDE NEMA 5-20R RECEPTACLE ABOVE CEILING FOR ESS ENCLOSURE. COORDINATE INSTALLATION WITH EXACT LOCATION OF ENCLOSURE. REFER TO TELECOMMUNICATION DETAILS ON TY501 AND TY502.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ESS RECEPT ADDED ON ROOM 108A	04/27/2026	IP

NAVFAC

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Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED POWER PLAN - FIRST FLOOR AREA 1A

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17322209
SHEET 354 OF 468

EP102

DRAWFORM REVISION: 25 AUGUST 2020

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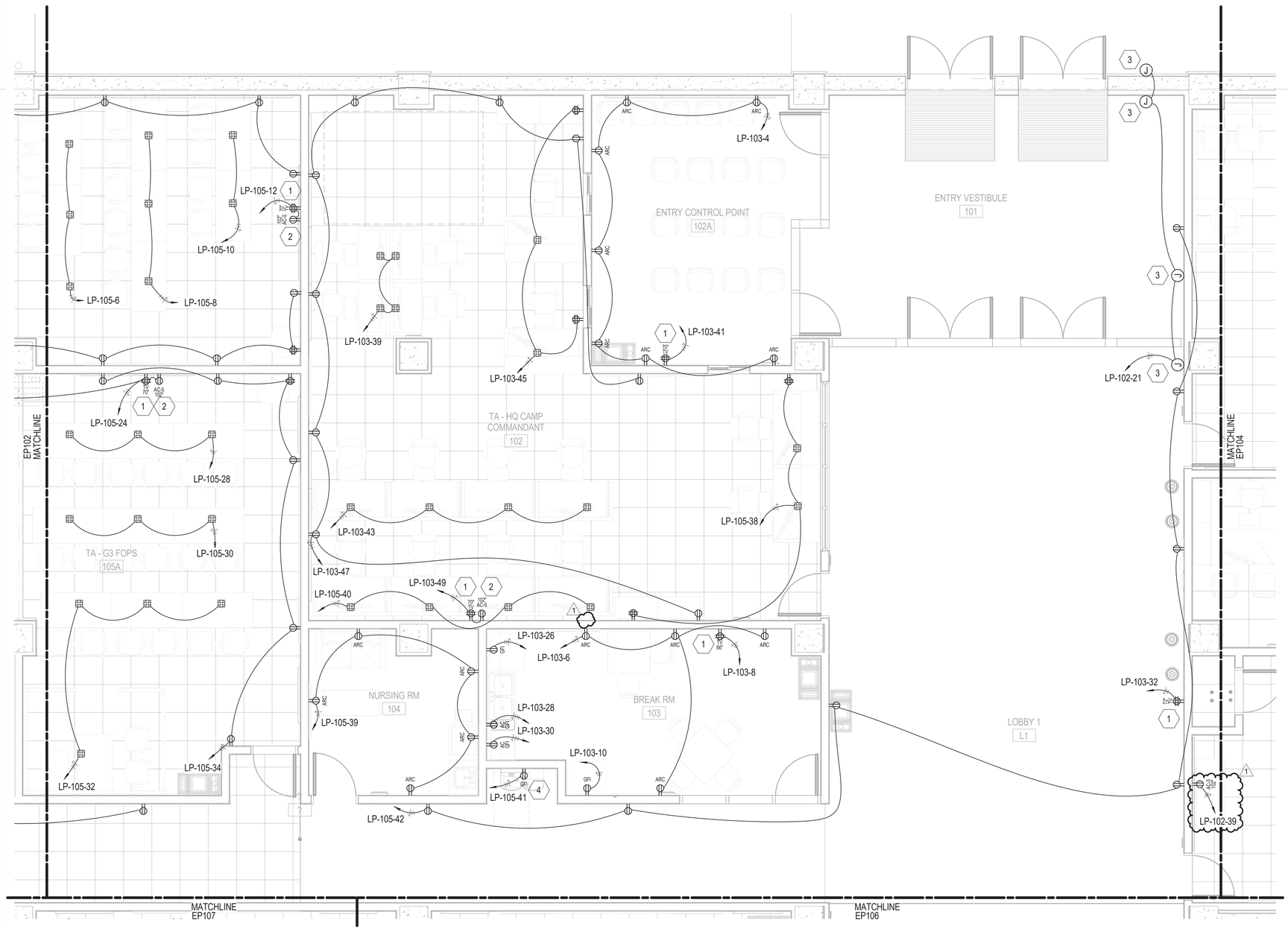


ENLARGED POWER PLAN - FIRST FLOOR AREA 1B

A2 SCALE: 1/4" = 1'-0"

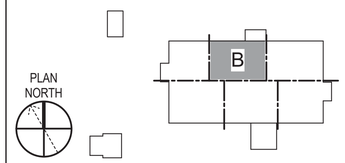
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES (#)

1. PROVIDE QUADRUPLEX RECEPTACLE FOR DISPLAY MONITOR AT HEIGHT INDICATED. COORDINATE FINAL LOCATION WITH AUDIO/VISUAL 'TA' SERIES DRAWINGS AND INSTALLATION CONTRACTOR.
2. PROVIDE RECESSED DUPLEX RECEPTACLE FOR CLOCK. COORDINATE FINAL LOCATION WITH INTERIOR 'I' SERIES DRAWINGS.
3. PROVIDE 120V CONNECTION TO POWER DOOR OPERATOR. CONTRACTOR SHALL ALSO PROVIDE CONTROL STATION AND SAFETY EDGE WIRING AS REQUIRED BY OPERATOR MANUFACTURER IN FULL METAL RACEWAY SYSTEM. COORDINATE EXACT LOCATION OF DOOR OPERATORS WITH ARCHITECTURAL DRAWINGS.
4. PROVIDE GFCI RATED RECEPTACLE WITH DEDICATED BRANCH CIRCUIT FOR PROPOSED ELECTRIC WATER COOLER. VERFIY EXACT MOUNTING LOCATION WITH MECHANICAL CONTRACTOR AND MANUFACTURER PRIOR TO ROUGH-IN.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	Added receptacle, question mark/tag removed	04/27/2026	BB

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Brian Bahr
Date: 4/27/2026 License Number: 63513
SEAL

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENGIARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED POWER PLAN - FIRST FLOOR AREA 1B

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322210
SHEET 355 OF 468
EP103

DRAWFORM REVISION: 25 AUGUST 2020

5/19/2026 4:33:47 PM EP103
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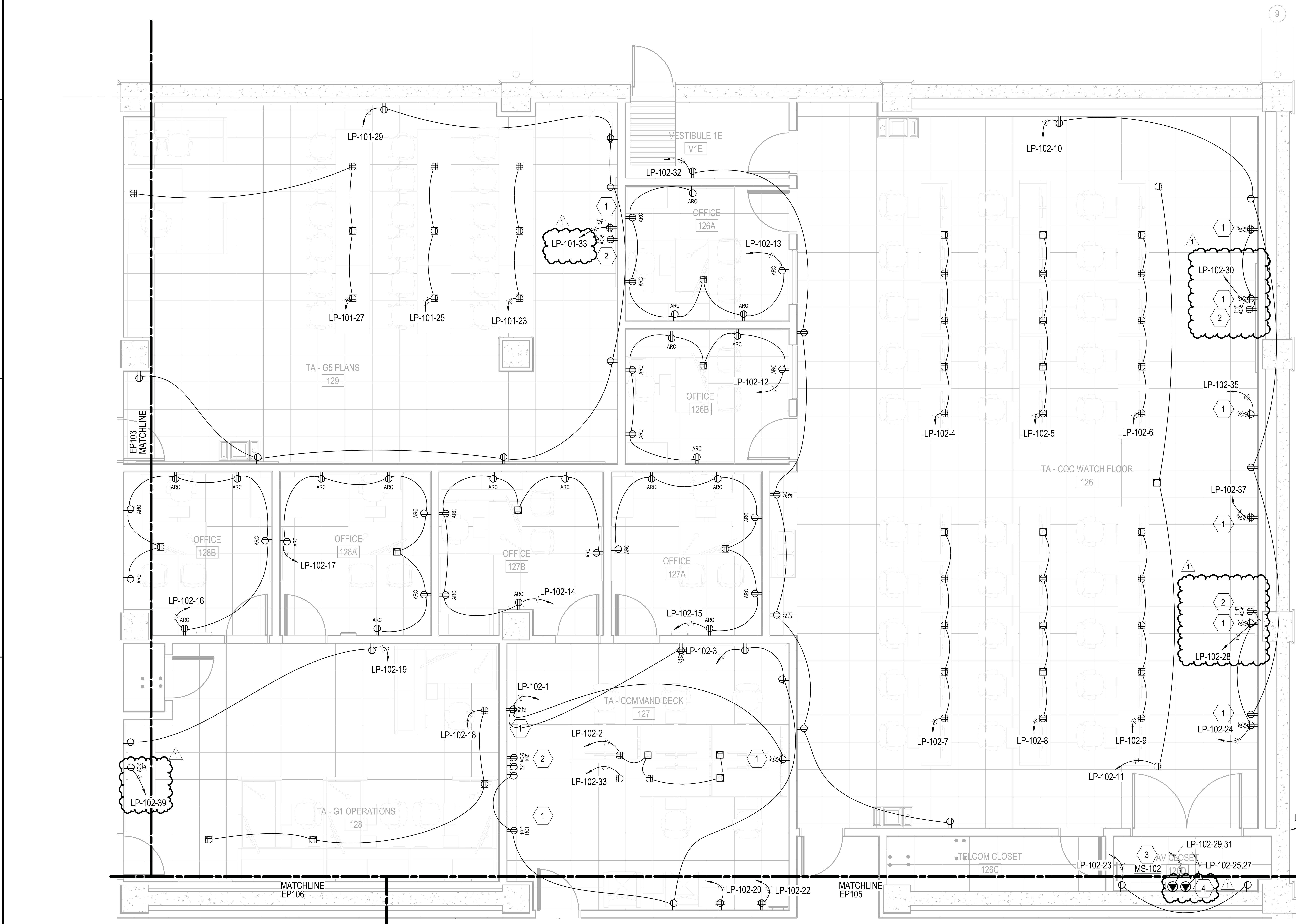
ENLARGED POWER PLAN - FIRST FLOOR



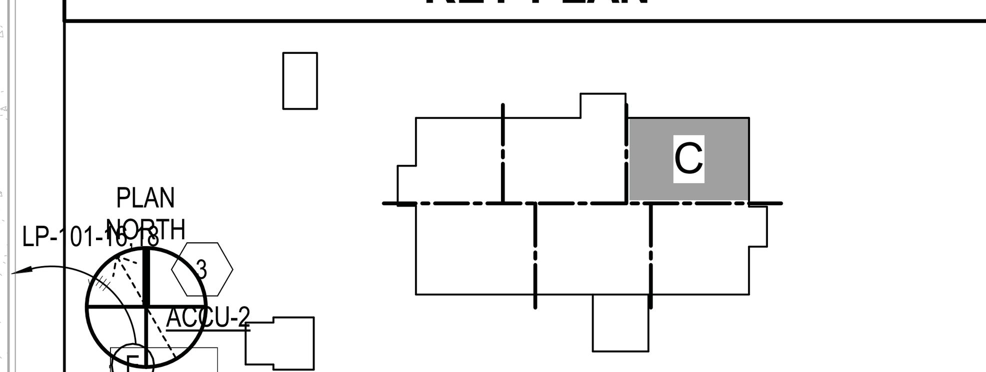
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

1. PROVIDE QUADRUPLEX RECEPTACLE FOR DISPLAY MONITOR AT HEIGHT INDICATED. COORDINATE FINAL LOCATION WITH AUDIO/VISUAL 'TA' SERIES DRAWINGS AND INSTALLATION CONTRACTOR.
2. PROVIDE RECESSED DUPLEX RECEPTACLE FOR CLOCK. COORDINATE FINAL LOCATION WITH INTERIOR 'I' SERIES DRAWINGS.
3. PROVIDE NEMA 3R DISCONNECT SWITCH WITH 208V, 1-PHASE BRANCH CIRCUIT AS INDICATED FOR MINI SPLIT HEAT PUMP. PROVIDE 2#12 AWG PHASE/NEUTRAL CONDUCTOR WITH 1#12 GROUND IN 3/4" CONDUIT BETWEEN HEAT PUMP, ACCU-2 AND FAN COIL UNIT, MS-102. COORDINATE CONTROL WIRING AND ALL SPECIFIC WIRING REQUIREMENTS WITH MANUFACTURER.
4. PROVIDE SPECIAL PURPOSE RECEPTACLE MOUNTED 12" ABOVE CABINET ROUTED IN CONDUIT DROP. COORDINATE FINAL LOCATION WITH TELECOMMUNICATION DRAWINGS.

KEY PLAN



GRAPHIC SCALE(S)

0 1' 5' 10' 15'
1/4" = 1' - 0"

SYM	DESCRIPTION	DATE	APPR
1	RECEPTACLES UPDATED	04/27/2026	IP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

A/E INFO

APPROVED
EVAN MIZUE
FOR COMMANDER NAVFAC DATE: 05/22/2026

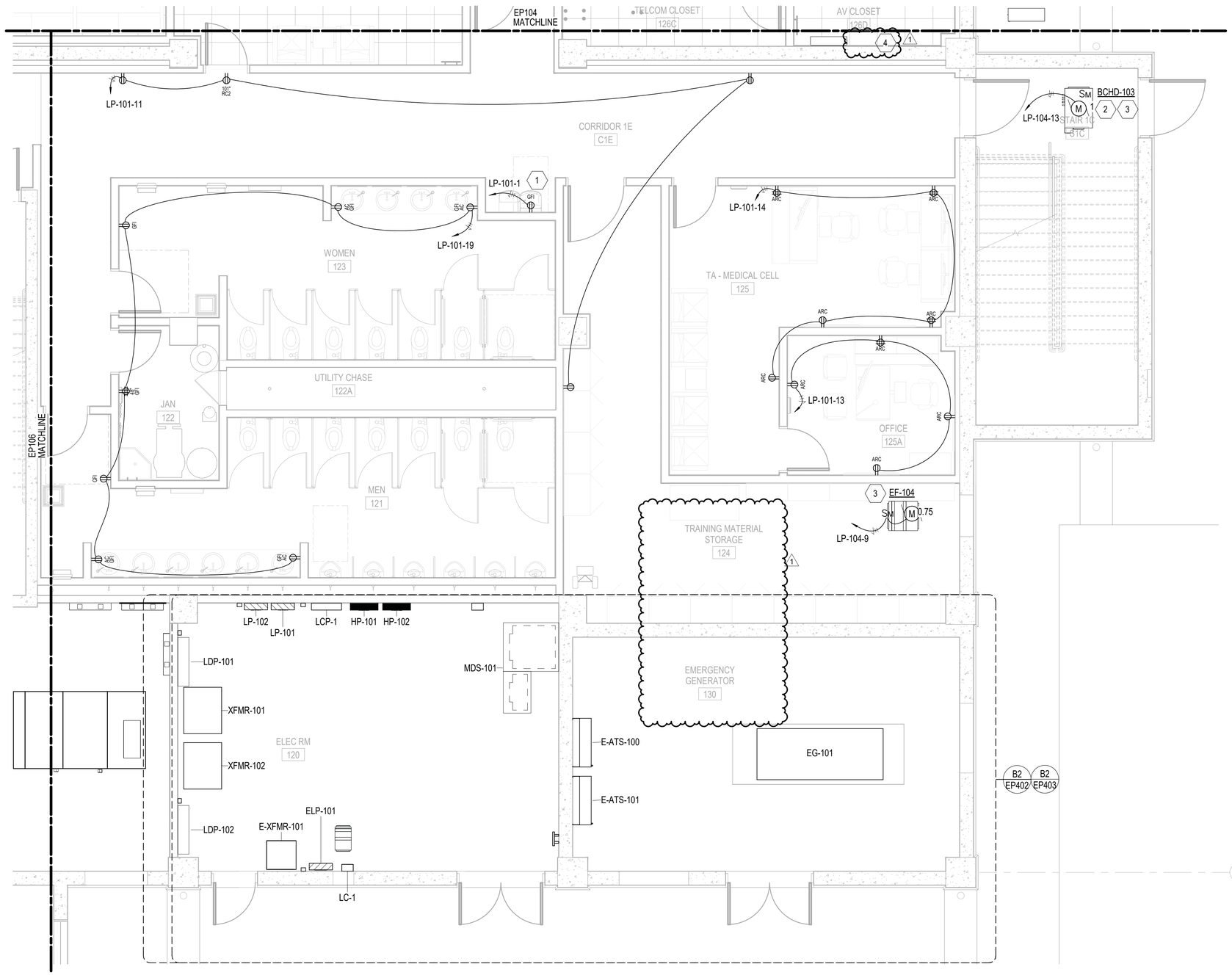
ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES IP	DRW JMD	CHK IP
PM/DM		DKS/DMK
BRANCH MANAGER		KYM
CHIEF ENG/ARCH		KYM
FIRE PROTECTION		RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED POWER PLAN - FIRST FLOOR AREA 1C

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322211
SHEET 356 OF 468

EP104



ENLARGED POWER PLAN - FIRST FLOOR AREA 1D

A2

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

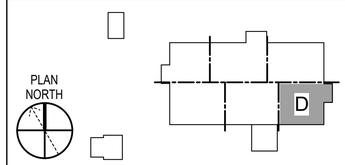
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

1. PROVIDE GFCI RATED RECEPTACLE WITH DEDICATED BRANCH CIRCUIT FOR PROPOSED ELECTRIC WATER COOLER. VERFIY EXACT MOUNTING LOCATION WITH MECHANICAL CONTRACTOR AND MANUFACTURER PRIOR TO ROUGH-IN.
2. UNIT EQUIPED WITH ECM MOTOR. PROVIDE DEDICATED NEUTRAL CONDUCTOR.
3. EQUIPMENT IS PROVIDED WITH UNIT MOUNTED DISCONNECT SWITCH BY MECHANICAL.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	ROOM TAGS	DATE	APPR
1			04/27/2026	IP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584

SEAL

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	DRW	CHK
IP	JMD	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED POWER PLAN - FIRST FLOOR AREA 1D

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17322212
SHEET 357 OF 468
EP105

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:21:00 PM EP105
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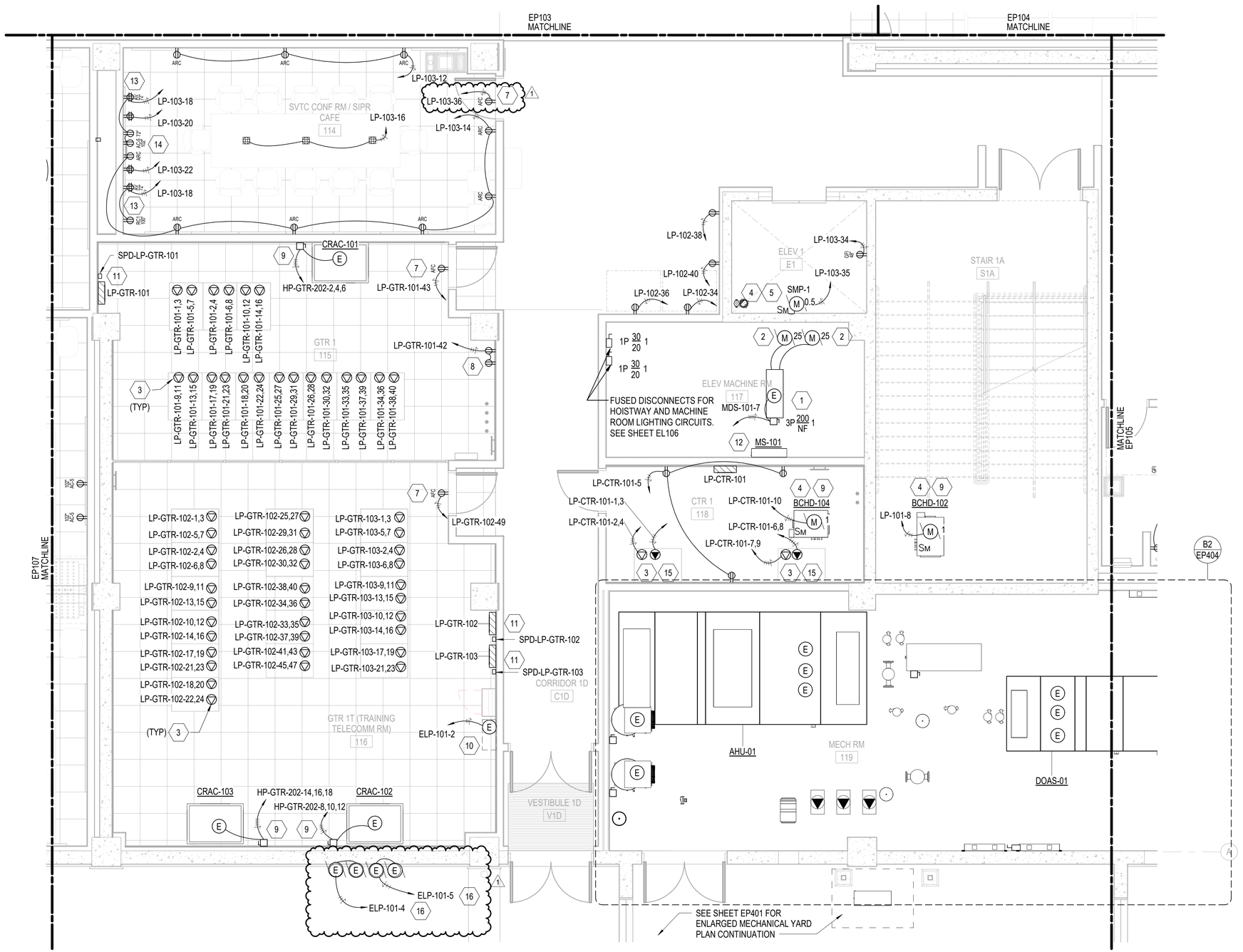


ENLARGED POWER PLAN - FIRST FLOOR AREA 1E

A2

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

GENERAL NOTES

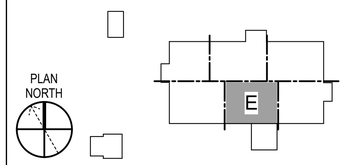
1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

1. CONNECT ELEVATOR CONTROL PANEL WITH 1-1/4"C - (3) #2 THHN CU AND (1) #8 THHN CU GROUND.
2. CONNECT ELEVATOR DRIVE MOTOR WITH 1" LFMC - (3) #6 THHN CU AND (1) #10 THHN CU GROUND.
3. PROVIDE SPECIAL PURPOSE RECEPTACLE MOUNTED 12" ABOVE CABINET ROUTED IN CONDUIT DROP. COORDINATE FINAL LOCATION WITH TELECOMMUNICATION DRAWINGS.
4. UNIT EQUIPPED WITH ECM MOTOR. PROVIDE DEDICATED NEUTRAL CONDUCTOR.
5. PROVIDE CONNECTION TO SUMP PUMP CONTROL PANEL AND MOTOR.
6. ELECTRICAL CONTRACTOR TO PROVIDE VARIABLE FREQUENCY DRIVE (VFD) MATCHING MOTOR HORSEPOWER, OR NEXT SIZE UP, WITH INTEGRAL DISCONNECT SWITCH AND VFD RATED CABLE TO MOTOR. TYPICAL ALL VFD LOCATIONS.
7. PROVIDE NEMA 5-20R RECEPTACLE ABOVE CEILING FOR ESS ENCLOSURE. COORDINATE INSTALLATION WITH EXACT LOCATION OF ENCLOSURE. REFER TO TELECOMMUNICATION DETAILS ON TY501 AND TY502.
8. PROVIDE TWO NEMA 5-20R RECEPTACLES FLUSH MOUNTED TO WALL FOR AACS AND IDS ENCLOSURES. COORDINATE INSTALLATION WITH EXACT LOCATION OF ENCLOSURES. REFER TO TELECOMMUNICATION DETAIL A4/TY502.
9. EQUIPMENT IS PROVIDED WITH UNIT MOUNTED DISCONNECT SWITCH BY MECHANICAL.
10. PROVIDE 120V CONNECTION TO FIRE ALARM PANEL. VERIFY LOCATION AND CONNECTION REQUIREMENTS. PLACE RED LOCKING CLIP ON BREAKER HANDLE SERVING FACP.
11. PROVIDE SURGE PROTECTION DEVICE (SPD) TYPE 2, 85KA PER PHASE, IN A SEPARATE NEMA 1 ENCLOSURE. LOCATE ADJACENT TO PANEL AS INDICATED. CONTRACTOR MUST FIELD VERIFY FINAL LOCATION FOR SPD. SEE PANEL SCHEDULES FOR OVERCURRENT PROTECTION DEVICE CONNECTION.
12. PROVIDE 2#12 AWG PHASE/NEUTRAL CONDUCTOR WITH 1#12 GROUND IN 3/4" CONDUIT BETWEEN HEAT PUMP, ACCU-1 AND FAN COIL UNIT, MS-101. SEE EP401 FOR ACCU-1 LOCATION. VERIFY CONTROL WIRING AND ALL SPECIFIC WIRING REQUIREMENTS WITH MANUFACTURER.
13. PROVIDE QUADRUPLEX RECEPTACLE FOR DISPLAY MONITOR AT HEIGHT INDICATED. COORDINATE FINAL LOCATION WITH AUDIO/VISUAL 'TA' SERIES DRAWINGS AND INSTALLATION CONTRACTOR.
14. PROVIDE RECESSED DUPLEX RECEPTACLE FOR CLOCK. COORDINATE FINAL LOCATION WITH INTERIOR 'I' SERIES DRAWINGS.
15. PROVIDE UPS UNIT, 2KVA, 208V, 30A, FOR TELECOM CABINET.
16. PROVIDE HARDWIRED 120V CONNECTION TO RADON FANS. COORDINATE WITH PLUMBING DRAWINGS AND MECHANICAL CONTRACTOR FOR LOCATION OF RADON FANS PRIOR TO ROUTING BRANCH CIRCUIT.

1

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ESS RCPT AND RADON FANS CKTS ADDED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Pakja
Date: 04/27/2026 License Number: 56584

SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENGIARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED POWER PLAN - FIRST FLOOR AREA 1E

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322213
SHEET 358 OF 468

EP106

DRAWFORM REVISION: 25 AUGUST 2020

4/28/2026 4:11:39 PM EP106
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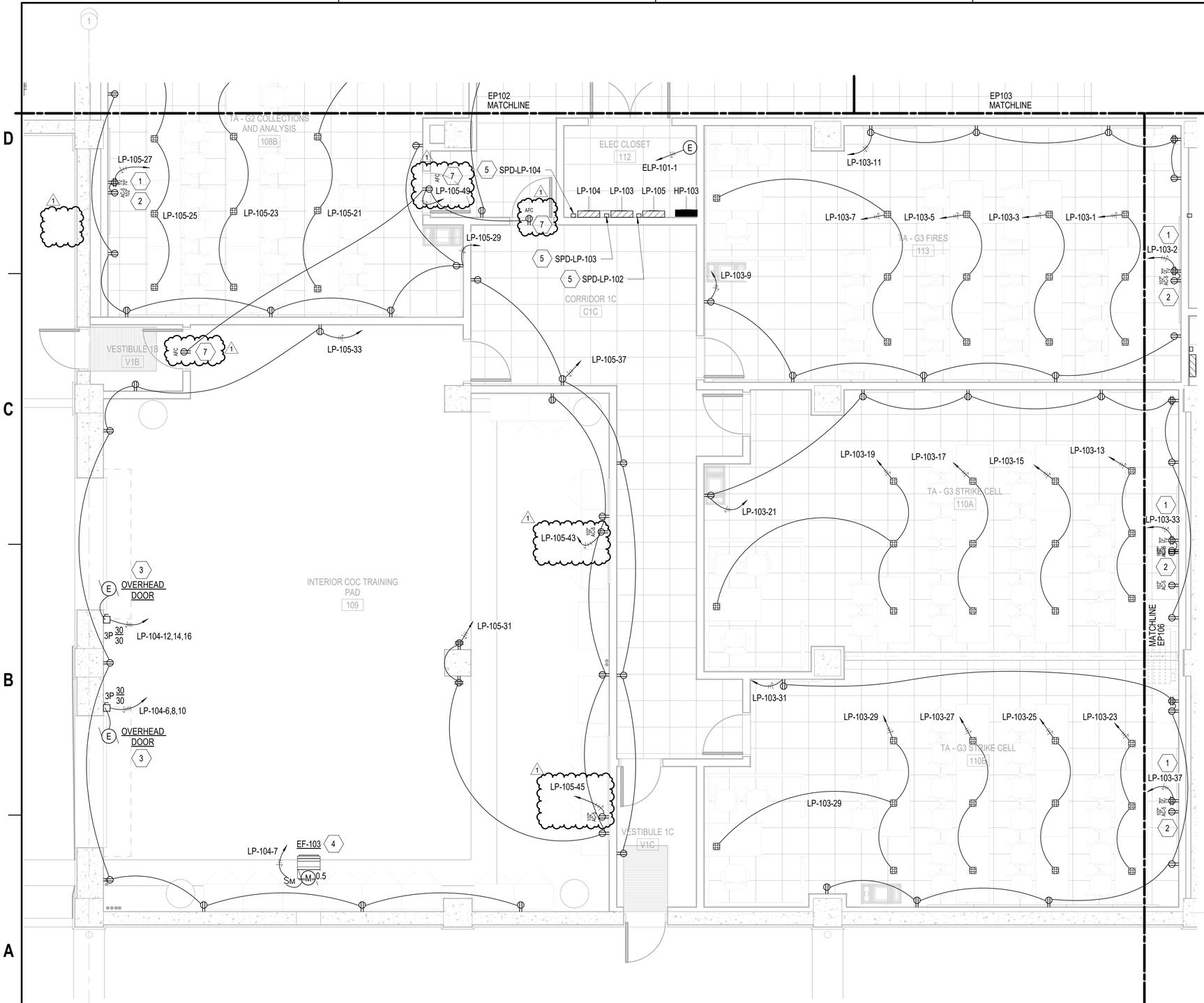


ENLARGED POWER PLAN - FIRST FLOOR AREA 1F

A2

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

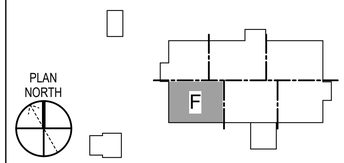
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

1. PROVIDE QUADRUPLEX RECEPTACLE FOR DISPLAY MONITOR AT HEIGHT INDICATED. COORDINATE FINAL LOCATION WITH AUDIO/VISUAL 'TA' SERIES DRAWINGS AND INSTALLATION CONTRACTOR.
2. PROVIDE RECESSED DUPLEX RECEPTACLE FOR CLOCK. COORDINATE FINAL LOCATION WITH INTERIOR 'I' SERIES DRAWINGS.
3. PROVIDE CONNECTION TO OVERHEAD DOOR OPERATOR. INSTALL AND CONNECT PUSHBUTTON STATION FURNISHED WITH UNIT. DOOR SAFETY DEVICES FURNISHED, INSTALLED AND CONNECTED BY EQUIPMENT INSTALLATION CONTRACTOR.
4. EQUIPMENT IS PROVIDED WITH UNIT MOUNTED DISCONNECT SWITCH BY MECHANICAL.
5. PROVIDE SURGE PROTECTION DEVICE (SPD) TYPE 2, 85KA PER PHASE, IN A SEPARATE NEMA 1 ENCLOSURE. LOCATE ADJACENT TO PANEL AS INDICATED. CONTRACTOR MUST FIELD VERIFY FINAL LOCATION FOR SPD. SEE PANEL SCHEDULES FOR OVERCURRENT PROTECTION DEVICE CONNECTION.
6. NOT USED.
7. PROVIDE NEMA 5-20R RECEPTACLE ABOVE CEILING FOR ESS ENCLOSURE. COORDINATE INSTALLATION WITH EXACT LOCATION OF ENCLOSURE. REFER TO TELECOMMUNICATION DETAILS ON TY501 AND TY502.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	RECEPTACLES UPDATED	04/27/2026	IP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584

96AL

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP
PMDM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED POWER PLAN - FIRST FLOOR AREA 1F

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322214
SHEET 359 OF 468

EP107

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:20:34 PM EP107
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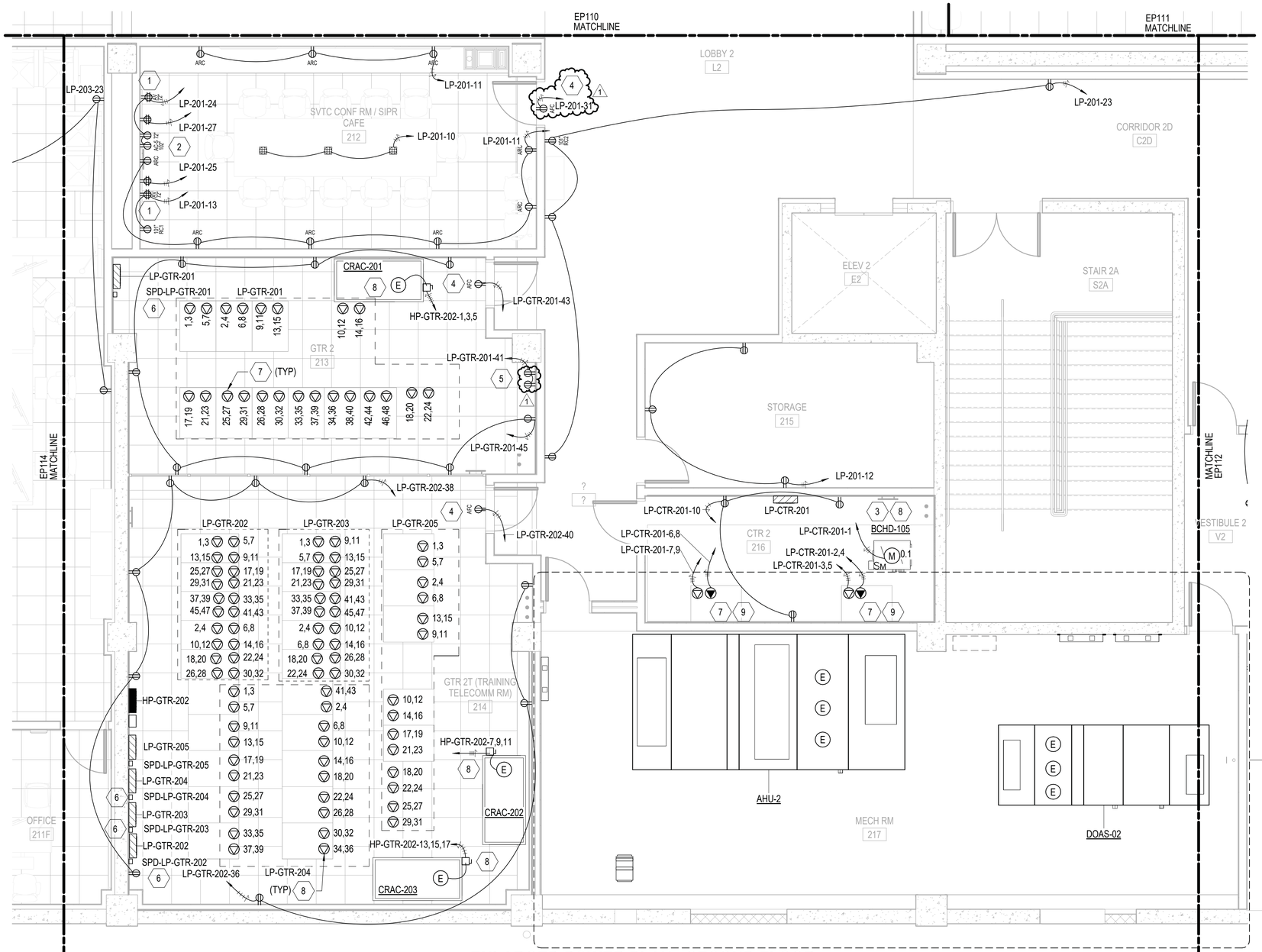


ENLARGED POWER PLAN - SECOND FLOOR AREA 2E

A2 SCALE: 1/4" = 1'-0"

GENERAL NOTES

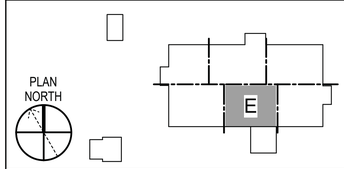
1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

(X)

1. PROVIDE QUADRUPLEX RECEPTACLE FOR DISPLAY MONITOR AT HEIGHT INDICATED. COORDINATE FINAL LOCATION WITH AUDIO/VISUAL 'TA' SERIES DRAWINGS AND INSTALLATION CONTRACTOR.
2. PROVIDE RECESSED DUPLEX RECEPTACLE FOR CLOCK. COORDINATE FINAL LOCATION WITH INTERIOR 'I' SERIES DRAWINGS.
3. UNIT SUPPLIED WITH ECM MOTOR. PROVIDE DEDICATED NEUTRAL CONDUCTOR.
4. PROVIDE NEMA 5-20R RECEPTACLE ABOVE CEILING FOR ESS ENCLOSURE. COORDINATE INSTALLATION WITH EXACT LOCATION OF ENCLOSURE. REFER TO TELECOMMUNICATION DETAILS ON TY501 AND TY502.
5. PROVIDE TWO NEMA 5-20R RECEPTACLES FLUSH MOUNTED TO WALL FOR AACS AND IDS ENCLOSURES. COORDINATE INSTALLATION WITH EXACT LOCATION OF ENCLOSURES. REFER TO TELECOMMUNICATION DETAIL A4/TY502.
6. PROVIDE SURGE PROTECTION DEVICE (SPD) TYPE 2, 85KA PER PHASE, IN A SEPARATE NEMA 1 ENCLOSURE. LOCATE ADJACENT TO PANEL AS INDICATED. CONTRACTOR MUST FIELD VERIFY FINAL LOCATION FOR SPD. SEE PANEL SCHEDULES FOR OVERCURRENT PROTECTION DEVICE CONNECTION.
7. PROVIDE SPECIAL PURPOSE RECEPTACLE MOUNTED 12" ABOVE CABINET ROUTED IN CONDUIT DROP. COORDINATE FINAL LOCATION WITH TELECOMMUNICATION DRAWINGS.
8. EQUIPMENT IS PROVIDED WITH UNIT MOUNTED DISCONNECT SWITCH BY MECHANICAL.
9. PROVIDE UPS UNIT, 2KVA, 208V, 30A FOR TELECOM CABINET.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	RECEPTACLES UPDATED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
U.S. NAVSUPPACT
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

ENLARGED POWER PLAN - SECOND FLOOR AREA 2E

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322220
SHEET 365 OF 468

EP113

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:21:04 PM EP113
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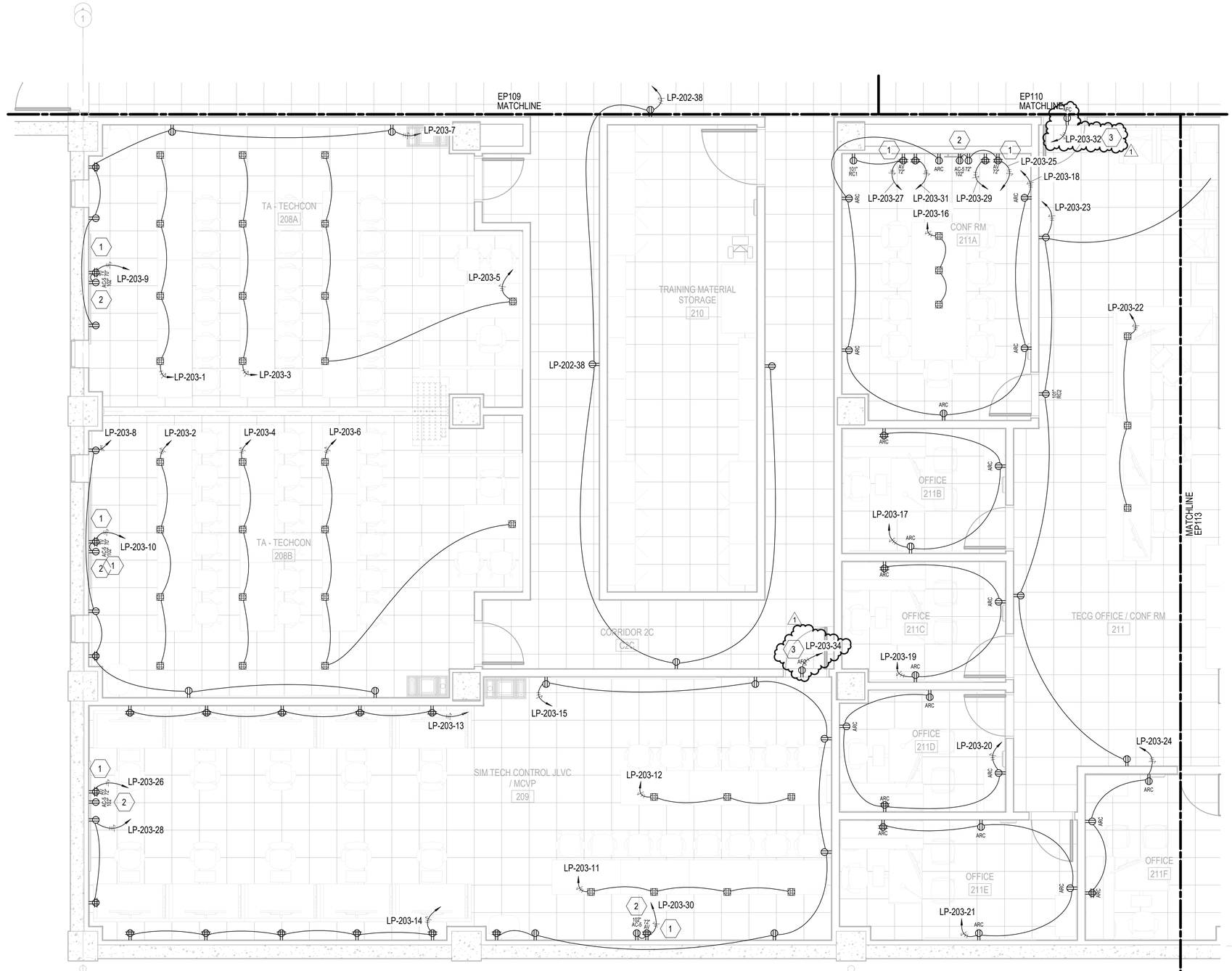


ENLARGED POWER PLAN - SECOND FLOOR AREA 2F

A2

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

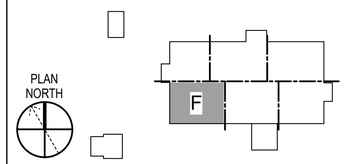
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

1. PROVIDE QUADRUPLEX RECEPTACLE FOR DISPLAY MONITOR AT HEIGHT INDICATED. COORDINATE FINAL LOCATION WITH AUDIO/VISUAL 'TA' SERIES DRAWINGS AND INSTALLATION CONTRACTOR.
2. PROVIDE RECESSED DUPLEX RECEPTACLE FOR CLOCK. COORDINATE FINAL LOCATION WITH INTERIOR 'I' SERIES DRAWINGS.
3. PROVIDE NEMA 5-20R RECEPTACLE ABOVE CEILING FOR ESS ENCLOSURE. COORDINATE INSTALLATION WITH EXACT LOCATION OF ENCLOSURE. REFER TO TELECOMMUNICATION DETAILS ON TY501 AND TY502.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ESS RECEPTACLES ADDED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584

SEAL

ASMD L.L.C.

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED POWER PLAN - SECOND FLOOR AREA 2F

SCALE: As indicated
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322221
SHEET 366 OF 468

EP114

DRAWFORM REVISION: 25 AUGUST 2020

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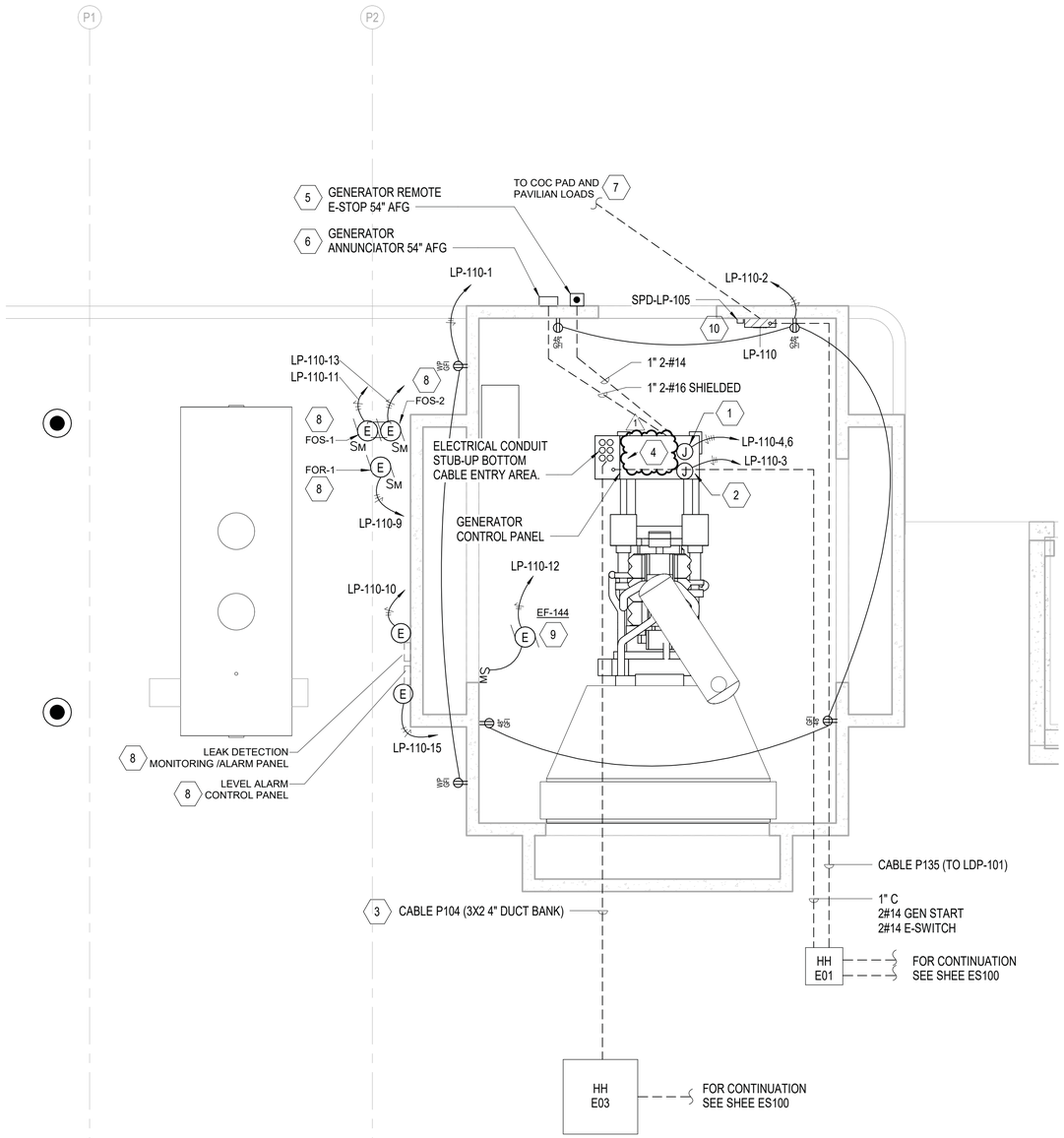
EP114



GENERATOR BUILDING POWER PLAN - OPTION ITEM #2

B2

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

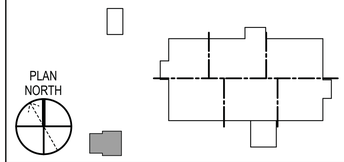
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEYNOTES

1. PROVIDE 208V SINGLE PHASE 20A CONNECTION TO GENERATOR STATE JACKET WATER HEATER.
2. PROVIDE 120V 20A CONNECTION TO GENERATOR BATTERY CHARGER.
3. PROVIDE GENERATOR POWER WIRING IN 2X3 DUCT BANK IN CONCRETE AND STUB UP AT THE CABLE ENTRY AREA. COORDINATE WITH FINAL GENERATOR MANUFACTURER DRAWINGS. THIS STUB-UP AREA SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND IS BASED ON GENERATOR INFORMATION SHOWN IN DESIGN ANALYSIS.
4. PROVIDE GENERATOR START SIGNAL TO AUTOMATIC TRANSFER SWITCH IN MAIN BUILDING ELECTRICAL ROOM. COORDINATE WITH GENERATOR MANUFACTURER DRAWINGS FOR TERMINATIONS.
5. PROPOSED LOCATION FOR GENERATOR E-STOP PUSH BUTTON. VERIFY WITH SITE REPRESENTATIVE FOR FINAL DESIRED LOCATION.
6. PROPOSED LOCATION FOR GENERATOR ANNUNCIATOR. VERIFY WITH GENERATOR MANUFACTURER COMMUNICATIONS CABLE REQUIREMENTS PRIOR TO INSTALLATION. VERIFY WITH SITE REPRESENTATIVE FOR FINAL DESIRED LOCATION.
7. FOR CONDUIT AND WIRE SIZE, SEE SITE PLAN ES100.
8. PROVIDE 120V CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
9. EQUIPMENT IS PROVIDED WITH UNIT MOUNTED DISCONNECT BY MECHAINCAL. PROVIDE A CURRENT SENSING SWITCH ON LOAD SIDE OF EXHAUST FAN TO ALLOW STATUS ALARM INTO DDC PANEL.
10. PROVIDE SURGE PROTECTION DEVICE (SPD) TYPE 2, 85KA PER PHASE, IN A SEPARATE NEMA 1 ENCLOSURE. LOCATE ADJACENT TO PANEL AS INDICATED. CONTRACTOR MUST FIELD VERIFY FINAL LOCATION FOR SPD. SEE PANEL SCHEDULES FOR OVERCURRENT PROTECTION DEVICE CONNECTION.

KEY PLAN



GRAPHIC SCALE(S)

1/4" = 1' - 0"

0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	KEYNOTE ADDED	04/27/2026	IP

NAVFAC

I Hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paloja

Date: 04/27/2026 License Number: 56584

SEAL

AE INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY

NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

GENERATOR BUILDING - POWER PLAN - OPTION ITEM #2

SCALE: As indicated

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17322222

SHEET 367 OF 468

EP122

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:21:11 PM EP122
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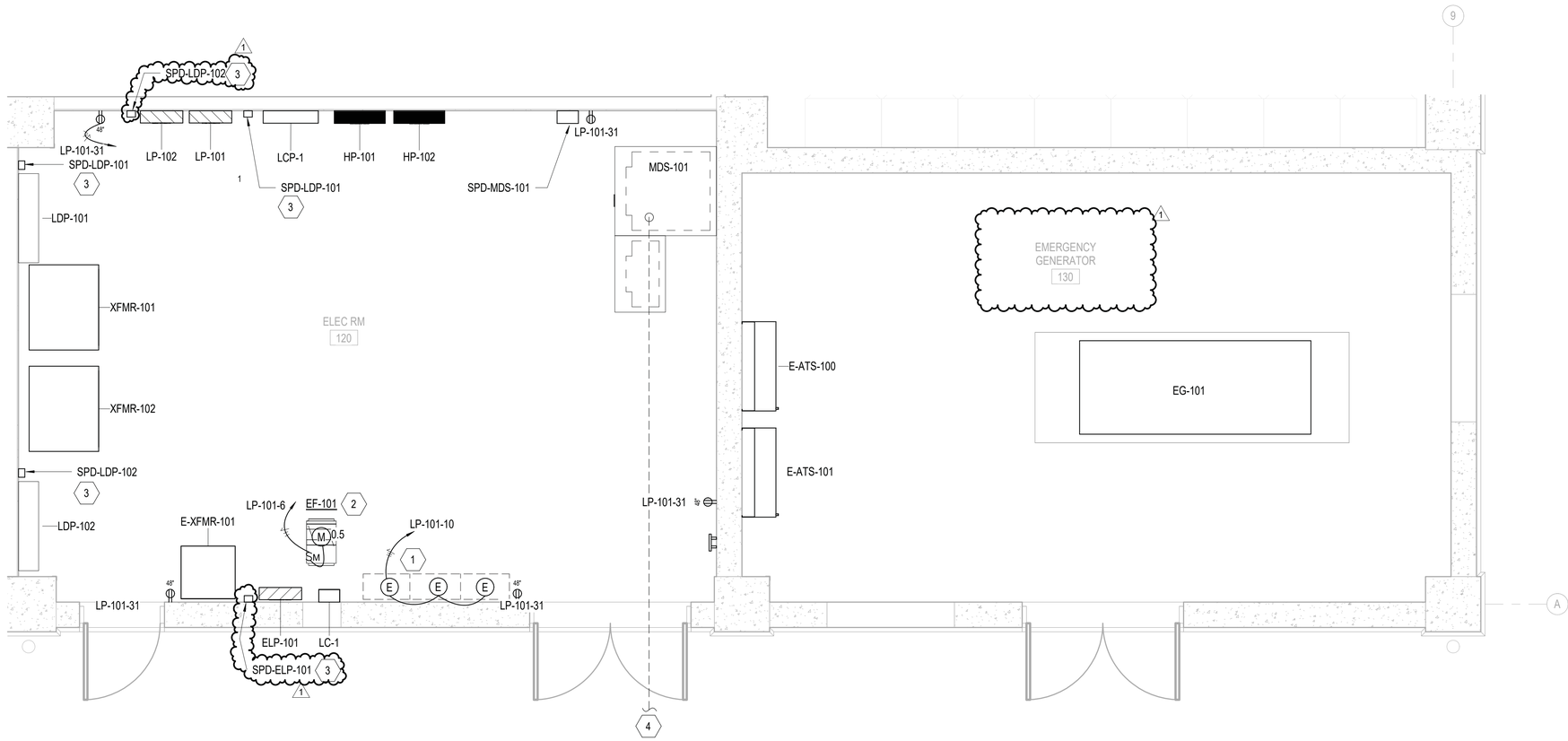


(EP105) B2 ENLARGED POWER PLAN - BASE BID ELECTRICAL ROOMS

3/8" = 1'-0"

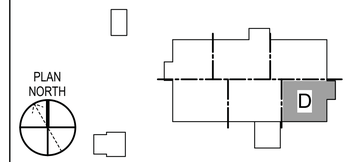
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEY NOTES

1. PROVIDE 120V CONNECTION TO FIRE ALARM PANEL. VERIFY LOCATION AND CONNECTION REQUIREMENTS. PLACE RED LOCKING CLIP ON BREAKER HANDLE SERVING FACP.
2. EQUIPMENT IS PROVIDED WITH UNIT MOUNTED DISCONNECT SWITCH BY MECHANICAL.
3. PROVIDE SURGE PROTECTION DEVICE (SPD) TYPE 2, 85KA PER PHASE, IN A SEPARATE NEMA 1 ENCLOSURE. LOCATE ADJACENT TO PANEL AS INDICATED. CONTRACTOR MUST FIELD VERIFY FINAL LOCATION FOR SPD. SEE PANEL SCHEDULES FOR OVERCURRENT PROTECTION DEVICE CONNECTION.
4. ROUTE UNDERGROUND CONDUIT IN CONCRETE DUCTBANK FROM BUILDING TRANSFORMER TO MDS-101. FOR BID OPTION #2 ROUTE TO SERVICE ENTRANCE DISCONNECT SWITCH. SEE SITE ELECTRICAL PLAN ES100 FOR CONTINUATION.

KEY PLAN



GRAPHIC SCALE(S)

3/8" = 1' - 0" 0 1' 2' 3' 4' 5' 10'

SYM	DESCRIPTION	DATE	APPR
1	SPD ADDED, ROOM TAG	04/27/2026	IP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584

SEAL

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE	3/10/2026
DES IP	DRW JMD CHK IP
PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED POWER PLAN - BASE BID ELECTRICAL ROOMS

SCALE:	As indicated
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322225
SHEET	370 OF 468

EP402

DRAWFORM REVISION: 25 AUGUST 2020

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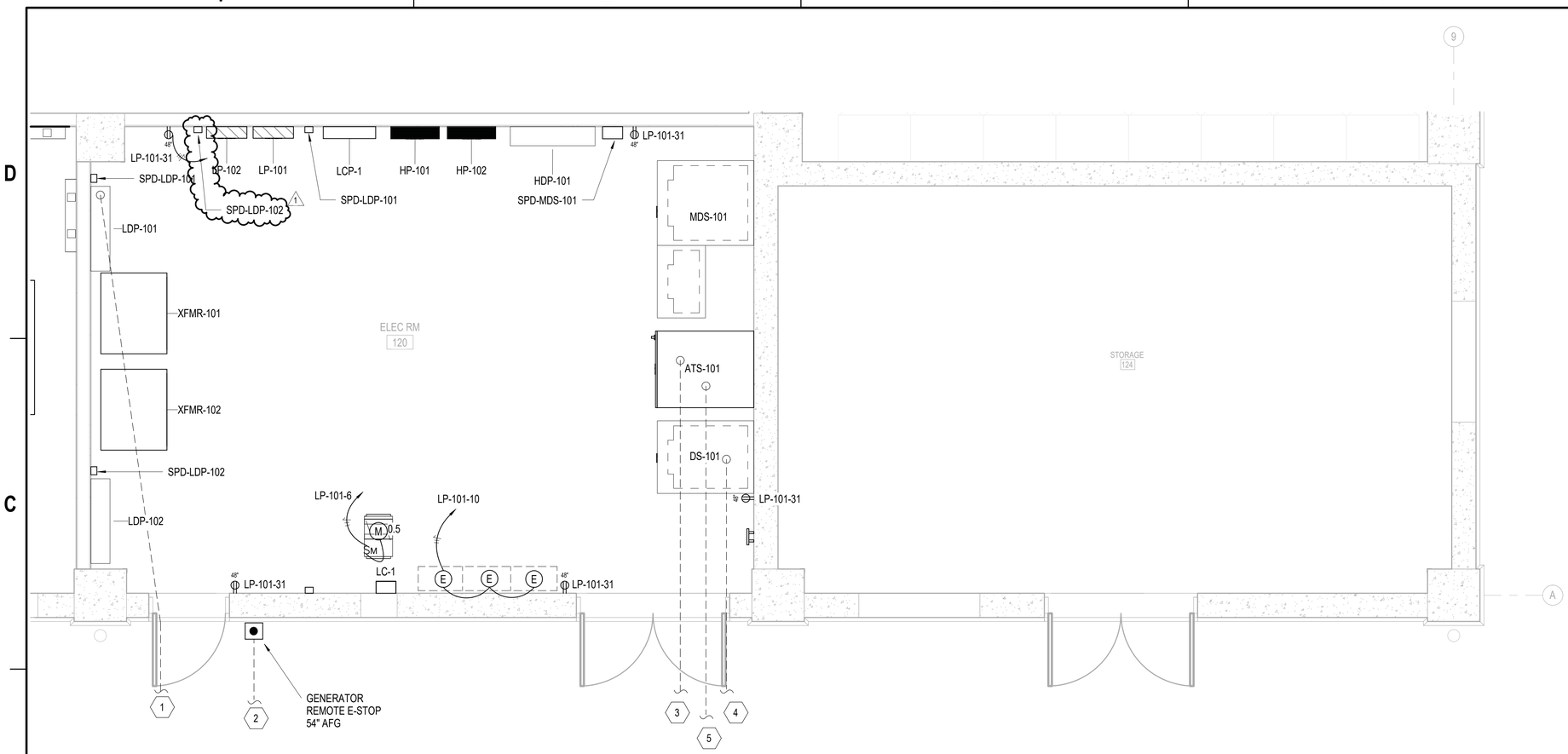


(EP105) B2 ENLARGED POWER PLAN - BID OPTION #2 ELECTRICAL ROOMS

3/8" = 1'-0"

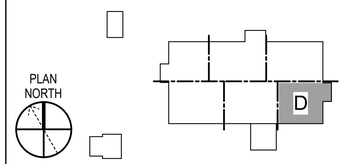
GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR ONELINE DIAGRAMS SEE EP600 SERIES SHEETS.
3. FOR PANEL SCHEDULES SEE EP700 SERIES SHEETS.
4. FOR ELECTRICAL DETAILS SEE EP500 SERIES SHEETS.
5. RECEPTACLES MARKED (ARC) SHALL HAVE AUTOMATIC RECEPTACLE CONTROL FUNCTIONALITY ON BOTTOM HALF OF OUTLETS. FACEPLATE MUST BE PERMANENTLY MARKED TO DIFFERENTIATE BETWEEN NON-CONTROLLED RECEPTACLES. SEE LIGHTING PLANS ON EL100 SERIES SHEETS. SEE TYPICAL DIAGRAM ON SHEET EL501 AND LIGHTING CONTROL SCHEDULE ON EL600 SERIES SHEETS.
6. REFER TO FURNITURE SUPPLIER INSTALLATION DRAWINGS FOR EXACT LOCATION OF ALL FURNITURE POWER AND COMMUNICATION SYSTEM PROVISIONS.
7. FOR CABLE SCHEDULE SEE SHEET EP720.

KEY NOTES

1. ROUTE UNDERGROUND CONDUIT FROM DISTRIBUTION PANELBOARD LDP-101 TO GENERATOR BUILDING PANELBOARD LP-105. SEE SITE ELECTRICAL PLAN ES100B FOR CONTINUATION.
2. PROPOSED LOCATION FOR GENERATOR E-STOP PUSH BUTTON. VERIFY WITH SITE REPRESENTATIVE FOR FINAL DESIRED LOCATION. SEE SITE PLAN ES100B FOR CONTINUATION.
3. ROUTE UNDERGROUND CONDUIT IN CONCRETE DUCTBANK FROM GENERATOR BUILDING TO AUTOMATIC TRANSFER SWITCH. SEE SITE ELECTRICAL PLAN ES100B FOR CONTINUATION.
4. ROUTE UNDERGROUND CONDUIT IN CONCRETE DUCTBANK FROM BUILDING TRANSFORMER TO MDS-101.
5. ROUTE GENERATOR SIGNAL TO ATS. SEE ELECTRICAL SITE PLAN ES100 FOR CONTINUATION.

KEY PLAN



GRAPHIC SCALE(S)

3/8" = 1' - 0"

0 1' 2' 3' 4' 5' 10'

SYM	DESCRIPTION	DATE	APPR
1	SPD ADDED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paloja

Date: 04/27/2026 License Number: 56584

SEAL

A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY

NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED POWER PLAN - BID OPTION #2 ELECTRICAL ROOMS

SCALE: As indicated

EPROJECT NO.: 1696746

CONSTR. CONTR. NO.
N62742-20-D-0001

NAVFAC DRAWING NO.
17322226

SHEET 371 OF 468

EP403

DRAWFORM REVISION: 25 AUGUST 2020

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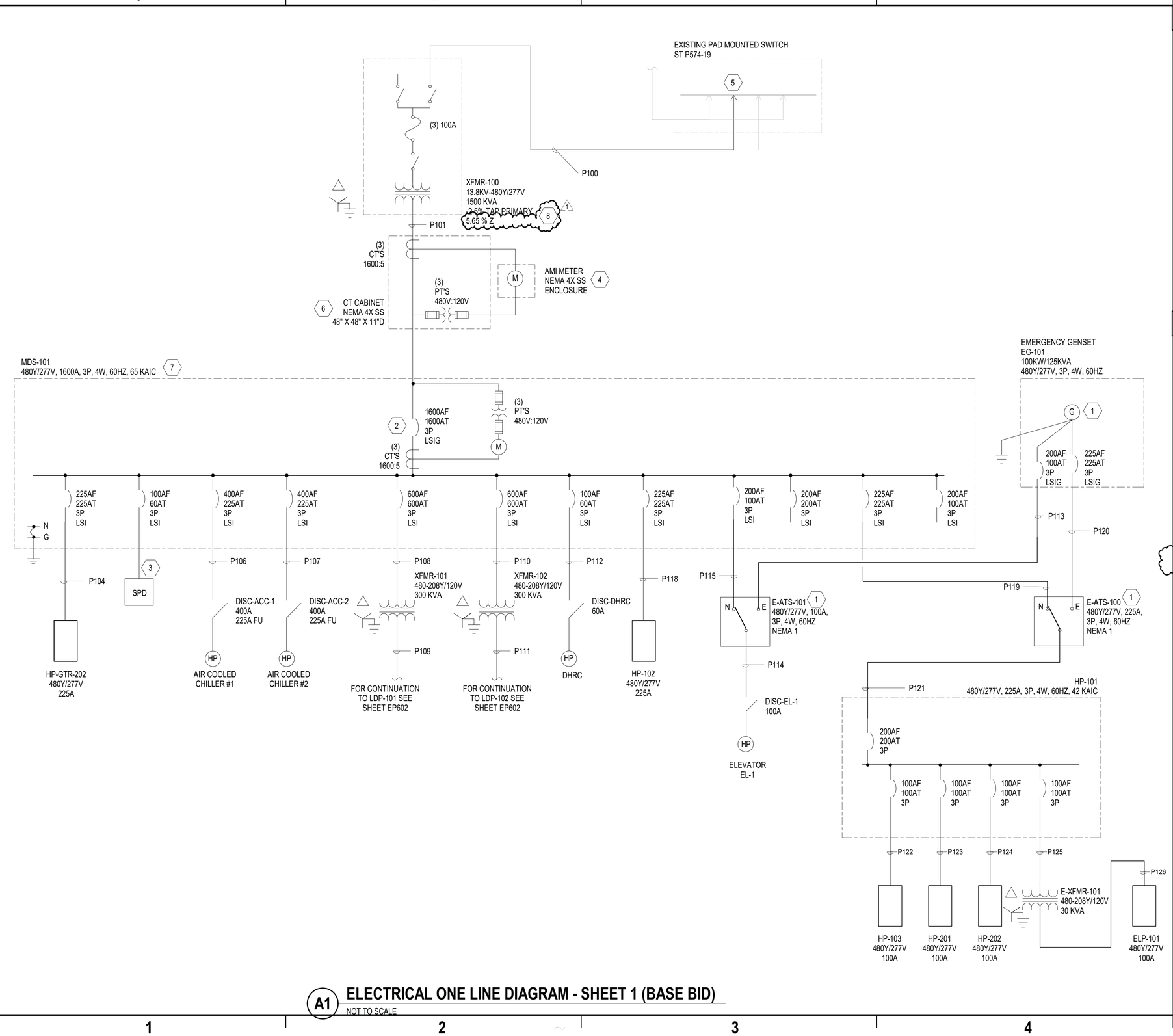

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR CABLE SCHEDULE SEE SHEET EP720.
3. ADJUST CIRCUIT BREAKER AND FEEDER SIZES OF ALL MOTOR LOADS (HVAC, PUMPS, CHILLERS, ETC.) TO REFLECT MANUFACTURER RECOMMENDATIONS AT NO ADDITIONAL COST TO THE GOVERNMENT. VERIY REQUIREMENTS WITH MANUFACTURER ON EACH LOAD.

KEYNOTES

1. PROVIDE EMERGENCY RATED GENERATOR SET WITH CIRCUIT BREAKERS AS INDICATED, ONE FOR STANBY ELEVATOR POWER AND ONE FOR THE EMERGENCY SYSTEM. PROVIDE OPEN TRANSITION, 4 POLE AUTOMATIC TRANSFER SWITCHES AS INDICATED.
2. PROVIDE MAIN BREAKER WITH ARC ENERGY REDUCTION SWITCH, ERMS. PROVIDE LOCAL STATUS INDICATOR. PROVIDE GROUND SENSING AND ALARM.
3. PROVIDE SURGE PROTECTION DEVICE TYPE 1, 250KA/PHASE IN SEPARATE ENCLOSURE MOUNTED ADJACENT TO MAIN SWITCHBOARD. PROVIDE 4#6, 1# 8 GND IN 1-1/4" CONDUIT.
4. PROVIDE AMI METERING ENCLOSURE SEE ELECTRICAL SITE PLAN ES100 FOR LOCATION AND SEE TELECOMMUNICATIONS DRAWINGS FOR TELECOM CONNECTIONS.
5. PROVIDE 200A ELBOWS LOAD BREAK TYPE. COORDINATE WITH SITE REPRESENTATIVE TO FIELD VERIFY EXISTING SECTIONALIZING CABINET CONNECTION AND PROVIDE ADDITIONAL EQUIPMENT AS REQUIRED FOR A COMPLETE INSTALLATION.
6. PROVIDE A SEPARATE ENCLOSURE FROM AMI METER, AS INDICATED, TO INSTALL 3 PTS'S AND 3 CT'S.
7. PROVIDE A BREAKER LIFTING DEVICE AND A REMOTE RACKING MECHANISM TO RACK IN/OUT THE DRAW-OUT BREAKERS AT LEAST 20 FEET AWAY FROM STANDING IN FRONT OF THE BREAKER.
8. PROVIDE TRANSFORMER WITH % Z INDICATED AND -2.5 TAPS AS SHOWN ON THE PRIMARY SIDE TO ENSURE VOLTAGE DROP COMPLIANCE. 1

SYM	DESCRIPTION	DATE	APPR
1	%Z AND KEYNOTE UPDATED	04/27/2026	IP

NAVFAC

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Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

AE INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ELECTRICAL ONELINE DIAGRAM - BASE BID SHEET 1

SCALE: NOT SCALED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322235
SHEET 380 OF 468

EP601

DRAWFORM REVISION: 25 AUGUST 2020

A1 ELECTRICAL ONE LINE DIAGRAM - SHEET 1 (BASE BID)
NOT TO SCALE

4/24/2026 4:21:17 PM EP601
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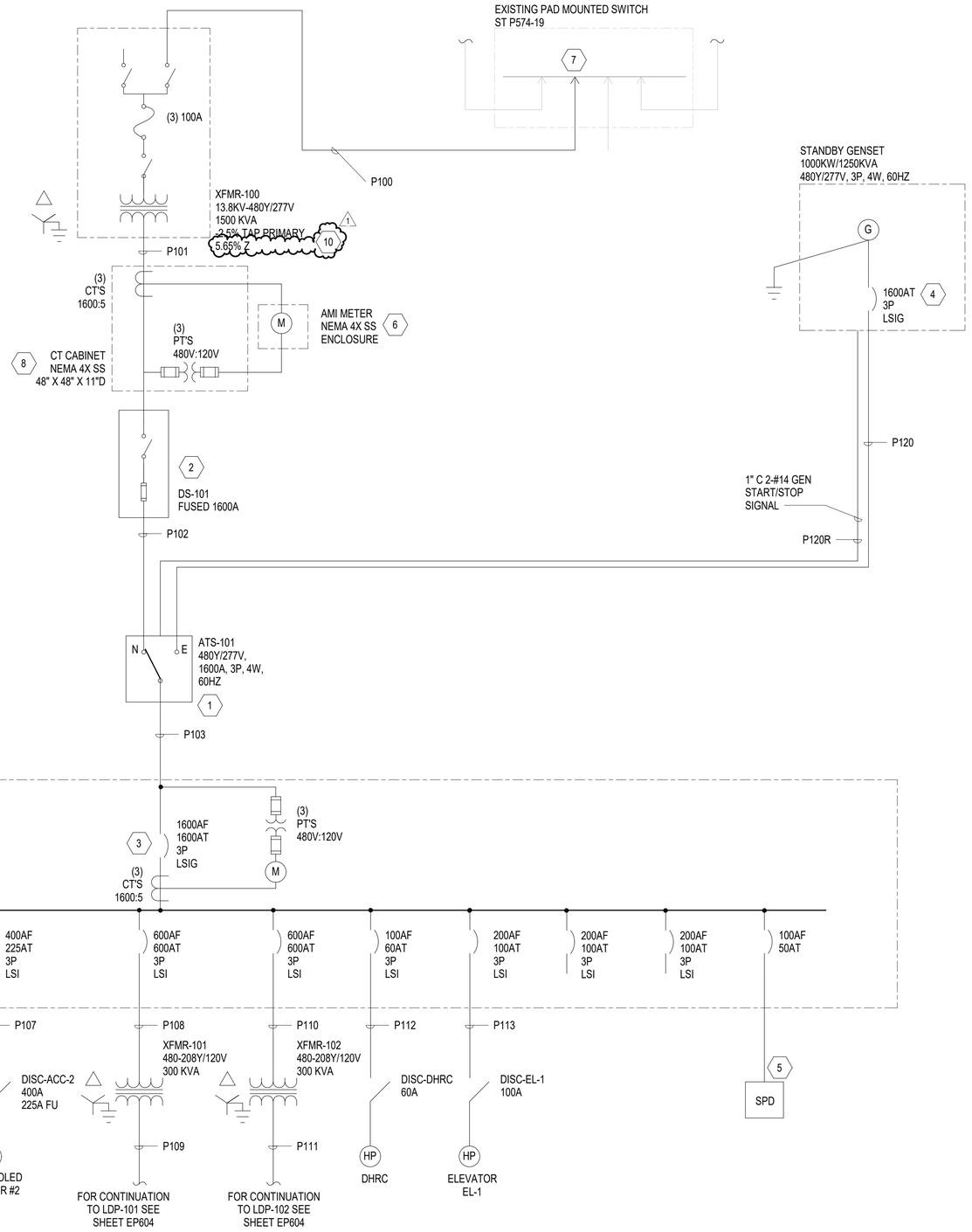

A1 ELECTRICAL ONE LINE DIAGRAM - SHEET 3 (BID OPTION 2)

NOT TO SCALE

GENERAL NOTES

1. FOR ELECTRICAL LEGEND AND GENERAL NOTES SEE SHEET E-001.
2. FOR CABLE SCHEDULE SEE SHEET EP720.
3. ADJUST CIRCUIT BREAKER AND FEEDER SIZES OF ALL MOTOR LOADS (HVAC, PUMPS, CHILLERS, ETC.) TO REFLECT MANUFACTURER RECOMMENDATIONS AT NO ADDITIONAL COST TO THE GOVERNMENT. VERIY REQUIREMENTS WITH MANUFACTURER ON EACH LOAD.

KEYNOTES

1. PROVIDE OPEN TRANSITION, 4 POLE AUTOMATIC TRANSFER SWITCH.
2. PROVIDE SERVICE ENTRANCE RATED DISCONNECT SWITCH.
3. PROVIDE MAIN BREAKER WITH ARC ENERGY REDUCTION SWITCH, ERMS. PROVIDE LOCAL STATUS INDICATOR.
4. PROVIDE GROUND SENSING AND ALARM.
5. PROVIDE SURGE PROTECTION DEVICE TYPE 1, 250KA/PHASE IN SEPARATE ENCLOSURE MOUNTED ADJACENT TO MAIN SWITCHBOARD. PROVIDE 4#6, 1# 8 GND IN 1-1/4" CONDUIT.
6. PROVIDE AMI METERING ENCLOSURE SEE ELECTRICAL SITE PLAN ES100 FOR LOCATION AND SEE TELECOMMUNICATIONS DRAWINGS FOR TELECOM CONNECTIONS.
7. PROVIDE 200A ELBOWS LOAD BREAK TYPE. COORDINATE WITH SITE REPRESENTATIVE TO FIELD VERIFY EXISTING SECTIONALIZING CABINET CONNECTION AND PROVIDE ADDITIONAL EQUIPMENT AS REQUIRED FOR A COMPLETE INSTALLATION.
8. PROVIDE A SEPARATE ENCLOSURE FROM AMI METER, AS INDICATED, TO INSTALL 3 PTS'S AND 3 CT'S.
9. PROVIDE A BREAKER LIFTING DEVICE AND A REMOTE RACKING MECHANISM TO RACK IN/OUT THE DRAW-OUT BREAKERS AT LEAST 20 FEET AWAY FROM STANDING IN FRONT OF THE BREAKER.
1. 10. PROVIDE TRANSFORMER WITH % Z INDICATED AND -2.5 TAPS AS SHOWN ON THE PRIMARY SIDE TO ENSURE VOLTAGE DROP COMPLIANCE.

SYM	DESCRIPTION	DATE	APPR
1	%Z AND KEYNOTE UPDATED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026
ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ELECTRICAL ONELINE DIAGRAM - BID OPTION 2 SHEET 3

SCALE: NTS/NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322237
SHEET 382 OF 468

EP603

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:21:19 PM EP603
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SWBD MDS-101 SCHEDULE

1600 A AMP BUS 1600 480/277 WYE VOLTS 3PH,4W,SN MIN. 65 KAIC Floor SE RATED

	COMPARTMENT DESCRIPTION / LOAD SERVED	WIRE	FRAME / TRIP	A	B	C	SWITCHBOARD OPTIONS
	INCOMING CABLE COMPARTMENT						
	MAIN CIRCUIT BREAKER	P101	1600AF/1600AT				
	CUSTOMER METERING COMP						
				A	B	C	REMARKS
1	XFMR-101 FEEDING LDP-101	P108	600 AAF / 600 AAT	361 A	373 A	359 A	
2	XFMR-102 FEEDING LDP-102	P110	600 AAF / 600 AAT	344 A	325 A	295 A	
3	ACC-2	P107	400 AAF / 225 AAT	144 A	144 A	144 A	
4	ACC-1	P106	400 AAF / 225 AAT	144 A	144 A	144 A	
5	DHRC-1	P112	200 AAF / 100 AAT	51 A	51 A	51 A	
6	HP-102	P118	400 AAF / 225 AAT	89 A	89 A	89 A	
7	ELEVATOR EL-1	P115	200 AAF / 100 AAT	68 A	68 A	68 A	
8	HP-101	P119	225 AAF / 225 AAT	47 A	36 A	21 A	
9	HP-GTR-202	P104	400 AAF / 225 AAT	66 A	66 A	66 A	
10	SPARE	--	225 AAF / 225 AAT	0 A			
11	SPARE	--	400 AAF / 350 AAT	0 A			
12	SPD	4#6, 1-#8 G, 1-1/4" C	100 AAF / 50 AAT	0 A	0 A	0 A	
			TOTAL CONNECTED AMPS:	1316.9	1299.6	1238.2	

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
ELEVATOR	56440 VA	100.00%	56440 VA		
EQUIPMENT	4680 VA	100.00%	4680 VA	TOTAL CONN. LOAD:	1063211 VA
HVAC	452750 VA	80.00%	362200 VA	TOTAL EST. DEMAND:	843695 VA
LIGHTING	2559 VA	75.00%	1919 VA	TOTAL CONNECTED AMPS:	1279 A
POWER	4500 VA	100.00%	4500 VA	TOTAL EST. DEMAND AMPS:	1015 A
RCPT	254020 VA	51.97%	132010 VA		
COMP	540 VA	100.00%	540 VA		
COMM RCPT	262456 VA	100.00%	262456 VA		
LIGHT	25266 VA	75.00%	18950 VA		

PANEL HP-103 SCHEDULE

225 AMP BUS 100 A MCB 480/277 WYE VOLTS 3PH, 4W, SN, 60HZ MIN. 22 KAIC SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	LIGHT 109	3/4"	12	20	2.7 A			4.3 A			20	12	3/4"	LIGHT 107, 108A/B	2
3	LIGHT S1B, S2B, S3B	3/4"	12	20		1.0 A			2.1 A		20	12	3/4"	LIGHT V1A, C1A/B/C, V1C, 112, 114	4
5	LIGHT 105A/B, 106	3/4"	12	20			4.0 A			2.7 A	20	12	3/4"	LIGHT 102, 102A, 103, 104	6
7	LIGHT 110A/B,113	3/4"	12	20	4.5 A										8
9	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	10
11	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	12
13	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	14
15	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	16
17	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	18
19	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	20
21	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	22
23	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	24
25	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	26
27	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	28
29	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	30
31	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	32
33	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	34
35	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	36
37	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	38
39	SPARE	--	--	20		0.0 A			0.0 A		30	--	--	SPD	40
41	SPARE	--	--	20			0.0 A			0.0 A					42
	TOTAL CONNECTED AMPS:				A: 12.1			B: 3.2			C: 7.3				

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	0 VA	0.00%	0 VA		
LIGHT	5928 VA	75.00%	4446 VA	TOTAL CONN. LOAD:	5928 VA
				TOTAL EST. DEMAND:	4446 VA
				TOTAL CONN.:	7 A
				TOTAL EST. DEMAND:	5 A

PANEL HP-101 SCHEDULE

225A AMP BUS 225 A MCB 480/277 WYE VOLTS 3PH, 4W, SN, 60HZ MIN. 42 KAIC SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	LIGHT 101, L1, C1D, C1E	3/4"	12	20	2.7 A			5.7 A			20	12	3/4"	LIGHT V1E,126A/B,127,127A/B,128,128A/B	2
3	LIGHT 126,126C/D	3/4"	12	20		4.8 A			0.3 A		20	12	3/4"	LIGHTING ELEVATOR MACHINE ROOM	4
5	LIGHT 118-125,125A	3/4"	12	20			5.4 A			1.5 A	20	12	3/4"	LIGHT S1A, S2A, S3A	6
7	LIGHT S1C, S2C, S3C	3/4"	12	20	1.0 A			0.6 A			20	12	3/4"	LIGHT EXTERIOR MECH ENCLOSURE	8
9	EXTERIOR BLDG MT LIGHTING (VIA LC-1)	3/4"	12	20		4.3 A			5.1 A	1	20	10	2"	EXTERIOR SITE LIGHTING - CKT 'A' (VIA LC-1)	10
11	LCP-1, LC-1	3/4"	12	20			0.7 A			0.5 A	20	12	3/4"	LIGHTING ELEVATOR HOISTWAY AND PIT	12
13					9.4 A			9.9 A							14
15	HP-201	1-1/4"	1	100		6.6 A			7.6 A		100	1	1-1/4"	HP-202	16
17							1.4 A			3.7 A					18
19					12.1 A			5.8 A							20
21	HP-103	1-1/4"	1	100		3.2 A			3.4 A		50	1	1-1/4"	ELP-101 VIA E-XFMR-101	22
23							7.3 A			0.6 A					24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
43								0.0 A			20	--	--	SPARE	44
45									0.0 A		20	--	--	SPARE	46
47	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	48
49	SPARE	--	--	20	0.0 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		50	--	--	SPD	52
53	SPARE	--	--	20			0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 47.1			B: 35.8			C: 20.7				

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	2000 VA	100.00%	2000 VA		
HVAC	525 VA	80.00%	420 VA	TOTAL CONN. LOAD:	27572 VA
LIGHTING	1839 VA	75.00%	1379 VA	TOTAL EST. DEMAND:	21205 VA
LIGHT	23208 VA	75.00%	17406 VA	TOTAL CONN.:	33 A
				TOTAL EST. DEMAND:	26 A

PANEL HP-102 SCHEDULE

225A AMP BUS 225 A MCB 480/277 WYE VOLTS 3PH, 4W, SN, 60HZ MIN. 42 KAIC SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1					8.2 A			20.8 A			1				2
3	DOAS-1	3/4"	12	20		8.2 A			20.8 A		20	12	3/4"	AHU-1	4
5		1					8.2 A			20.8 A					6
7					7.6 A			8.2 A			1				8
9	VFD-CHWP-1A	3/4"	12	20		7.6 A			8.2 A		20	12	3/4"	DOAS-2	10
11							7.6 A			8.2 A					12
13					7.6 A			20.8 A							14
15	VFD-CHWP-1B	3/4"	12	20		7.6 A			20.8 A		30	10	3/4"	AHU-2	16
17							7.6 A			20.8 A					18
19					0.0 A			3.0 A							20
21	VFD-HWP-1A	3/4"	12	20		0.0 A			3.0 A		20	12	3/4"	VFD-CHWP-2A	22
23							0.0 A			3.0 A					24
25					0.0 A			3.0 A							26
27	VFD-HWP-1B	3/4"	12	20		0.0 A			3.0 A		20	12	3/4"	VFD-CHWP-2B	28
29				1			0.0 A			3.0 A					30
31					7.6 A			1.2 A							32
33	VFD-CHWP-1C	3/4"	12	20		7.6 A			1.2 A		20	12	3/4"	VFD-HWP-1C	34
35							7.6 A			1.2 A					36
37					1.2 A			0.0 A							38
39	VFD-HWP-1B	3/4"	12	20		1.2 A			0.0 A		30	--	--	SPARE	40
41							1.2 A			0.0 A					42
43					0.0 A			0.0 A							44
45	SPARE	--	--	20		0.0 A			0.0 A		30	--	--	SPARE	46
47							0.0 A			0.0 A					48
49					0.0 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	--	--	SPD	52
53							0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 89.3			B: 89.3			C: 89.3				

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	74210 VA	80.00%	59368 VA		
POWER	0 VA	0.00%	0 VA	TOTAL CONN. LOAD:	74210 VA
				TOTAL EST. DEMAND:	59368 VA
				TOTAL CONN.:	89 A
				TOTAL EST. DEMAND:	71 A

SYM	DESCRIPTION	DATE	APPR
1	HP-101, HP-102 CIRCUITS UPDATED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paluja

Date: 04/27/2026 License Number: 56584

SEAL

ASMD LLC. A/E INFO

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY

NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES IP DRW JMD CHK IP

PM/DM DKS/DMK

BRANCH MANAGER KYM

CHIEF ENG/ARCH KYM

FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
U.S. NAVSUPPACT
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

PANELBOARD SCHEDULES - SHEET 1

SCALE: NTS

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17322239

SHEET 384 OF 468

EP701

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:21:21 PM EP701
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PANEL LDP-101 SCHEDULE

800 A AMP BUS | 800 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 22 KAIC | Surface

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1					67.1 A			11.9 A							2
3	LP-101	2-1/2"	4/0	225		134.3 A			32.9 A		100	1	1-1/2"	LP-110	4
5							116.3 A			17.8 A					6
7					139.0 A			123.7 A							8
9	LP-102	2-1/2"	4/0	225		107.7 A			132.2 A		225	4/0	2-1/2"	LP-202	10
11							111.2 A			122.5 A					12
13					114.6 A			61.5 A							14
15	LP-103	2-1/2"	4/0	225		106.7 A			85.2 A		225	4/0	2-1/2"	LP-203	16
17							102.5 A			82.7 A					18
19					55.0 A			14.4 A							20
21	LP-104	2-1/2"	4/0	225		24.2 A			0.0 A		225	4/0	2-1/2"	LP-204	22
23							42.6 A			0.0 A					24
25					144.5 A			106.7 A							26
27	LP-105	2-1/2"	4/0	225		149.3 A			101.6 A		225	4/0	2-1/2"	LP-205	28
29							131.0 A			116.2 A					30
31					0.0 A			0.0 A							32
33	SPARE	--	--	100		0.0 A			0.0 A		100	--	--	SPARE	34
35							0.0 A			0.0 A					36
37					0.0 A			0.0 A							38
39	SPARE	--	--	225		0.0 A			0.0 A		30	10	3/4"	SPD	40
41							0.0 A			0.0 A					42
				TOTAL CONNECTED AMPS:	A: 832.8		B: 861.9		C: 828.9						

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	2680 VA	100.00%	2680 VA		
HVAC	39177 VA	80.00%	31342 VA	TOTAL CONN. LOAD:	302713 VA
LIGHTING	720 VA	75.00%	540 VA	TOTAL EST. DEMAND:	175478 VA
POWER	4500 VA	100.00%	4500 VA	TOTAL CONN.:	840 A
RCPT	248440 VA	52.01%	129220 VA	TOTAL EST. DEMAND:	487 A
COMP	540 VA	100.00%	540 VA		
COMM RCPT	6656 VA	100.00%	6656 VA		

PANEL LP-101 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 22 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	CORR 1E WATER FOUNTAIN	3/4"	12	20	1.5 A			2.6 A			20	12	3/4"	AHU-01 LIGHTS	2
3	EF-102	3/4"	12	20		6.4 A			8.0 A		20	12	3/4"	AHU-01 RCPT	4
5	P-01	3/4"	12	20			1.7 A			6.4 A	20	12	3/4"	EF-101	6
7	CHWP-2C	3/4"	12	20	6.4 A			8.4 A			20	12	3/4"	BCHD-102	8
9	HWP-1A	3/4"	12	20		6.4 A			12.5 A		20	12	3/4"	FIRE ALARM PANELS 127	10
11	CORR 1E RCPT	3/4"	12	20			6.0 A			3.0 A	20	12	3/4"	FUTURE RADON EXHAUST FANS RCPT	12
13	RM 125A RCPT	3/4"	12	20	4.5 A			3.0 A			20	12	3/4"	RM 125 RCPT	14
15	DOAS-01 LIGHTS	3/4"	12	20		2.6 A			10.0 A		15	12	3/4"	ACCU-2, MS-102	16
17	DOAS-01 RCPT	3/4"	12	20			8.0 A			10.0 A					18
19	RM 121/122/123 RCPT	3/4"	12	20	10.5 A			10.0 A			15	12	3/4"	ACCU-1, MS-101	20
21	RCPT 125	3/4"	12	20		6.0 A			10.0 A						22
23	RM 129 WORKSTATIONS 1			20			9.0 A			5.8 A	90	2	1-1/2"	EWH-1	24
25	RM 129 WORKSTATIONS 2	3/4"	12	20	9.0 A			5.8 A							26
27	RM 129 WORKSTATIONS 3	3/4"	12	20		12.0 A			57.7 A		90	2	1-1/2"	EWH-2	28
29	RM 129 CONVENIENCE RCPT	3/4"	12	20			12.0 A			57.7 A					30
31	RM 120 CONVENIENCE RCPT	3/4"	12	20	7.5 A			0.0 A			20	--	--	SPARE	32
33	RM 129 TV/AC-5 RCPT 1	3/4"	12	20		6.5 A			0.0 A		20	--	--	SPARE	34
35	SPARE 1	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	36
37	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	38
39	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	40
41	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	42
43	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	44
45	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	46
47	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	48
49	SPARE	--	--	20	0.0 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	10	3/4"	SPD	52
53										0.0 A					54
				TOTAL CONNECTED AMPS:	A: 67.1		B: 134.3		C: 116.3						

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	1500 VA	100.00%	1500 VA		
HVAC	24190 VA	80.00%	19352 VA	TOTAL CONN. LOAD:	36550 VA
RCPT	10860 VA	96.04%	10430 VA	TOTAL EST. DEMAND:	31282 VA
				TOTAL CONN.:	101 A
				TOTAL EST. DEMAND:	87 A

PANEL LDP-102 SCHEDULE

800 A AMP BUS | 800 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 22 KAIC | Surface

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1					114.4 A			60.2 A							2
3	LP-GTR-201	2-1/2"	4/0	225		124.9 A			58.7 A		225	4/0	2-1/2"	LP-GTR-101	4
5							111.2 A			56.2 A					6
7					114.3 A			96.0 A							8
9	LP-GTR-202	2-1/2"	4/0	225		104.6 A			88.2 A		225	4/0	2-1/2"	LP-GTR-102	10
11							102.0 A			82.7 A					12
13					105.0 A			54.8 A							14
15	LP-GTR-203	2-1/2"	4/0	225		97.5 A			42.3 A		225	4/0	2-1/2"	LP-GTR-103	16
17							97.5 A			37.5 A					18
19					105.0 A			75.0 A							20
21	LP-GTR-204	2-1/2"	4/0	225		97.5 A			67.5 A		225	4/0	2-1/2"	LP-GTR-205	22
23							97.5 A			67.5 A					24
25					36.5 A			31.1 A							26
27	LP-CTR-101	2-1/2"	4/0	225		36.6 A			31.4 A		225	4/0	2-1/2"	LP-CTR-201	28
29							12.8 A			16.7 A					30
31					0.0 A			0.0 A							32
33	SPARE	--	--	100		0.0 A			0.0 A		100	--	--	SPARE	34
35							0.0 A			0.0 A					36
37					0.0 A			0.0 A							38
39	SPARE	--	--	100		0.0 A			0.0 A		30	10	3/4"	SPD	40
41							0.0 A			0.0 A					42
				TOTAL CONNECTED AMPS:	A: 794.0		B: 750.9		C: 681.5						

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	1508 VA	80.00%	1206 VA		
RCPT	5580 VA	100.00%	5580 VA	TOTAL CONN. LOAD:	264946 VA
COMM RCPT	255800 VA	100.00%	255800 VA	TOTAL EST. DEMAND:	264130 VA
LIGHT	2058 VA	75.00%	1544 VA	TOTAL CONN.:	735 A
				TOTAL EST. DEMAND:	733 A

PANEL LP-102 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 22 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RM 127 AV RCPT	3/4"	12	20	11.7 A			15.0 A			20	12	3/4"	RM 127 WORKSTATION RCPT	2
3	RM 127 CONVENIENCE RCPT	3/4"	12	20		12.0 A			15.0 A		20	12	3/4"	RM 126 WORKSTATIONS 4	4
5	RM 126 WORKSTATIONS 5	3/4"	12	20			15.0 A			15.0 A	20	12	3/4"	RM 126 WORKSTATIONS 6	6
7	RM 126 WORKSTATIONS 1	3/4"	12	20	15.0 A			15.0 A			20	12	3/4"	RM 126 WORKSTATIONS 2	8
9	RM 126 WORKSTATIONS 3	3/4"	12	20		15.0 A			6.0 A		20	12	3/4"	RM 126 CONVENIENCE RCPT	10
11	RM 126 AV LECTERN FLOOR RCPT	3/4"	12	20			9.8 A			12.0 A	20	12	3/4"	RM 126B RCPT	12
13	RM 126A RCPT	3/4"	12	20	12.0 A			12.0 A			20	12	3/4"	RM 127B RCPT	14
15	RM 127A RCPT	3/4"	12	20		12.0 A			12.0 A		20	12	3/4"	RM 128B RCPT	16
17	RM 128A RCPT	3/4"	12	20			12.0 A			12.0 A	20	12	3/4"	RM 128 WORKSTATION RCPT	18
19	RM 128 CONVENIENCE RCPT	3/4"	12	20	3.0 A			6.7 A			20	12	3/4"	RM 127 AV CREDENZA RCPT 1	20
21	VESTIBULE 101 DOOR OPERATOR	3/4"	12	20		0.0 A			6.7 A		20	12	3/4"	RM 127 AV CREDENZA RCPT 2	22
23	RM 126D RCPT	3/4"	12	20			3.0 A			5.0 A	20	12	3/4"	RM 126 AV MONITOR RCPT 1	24
25	RM 126D COMM RCPT RACK	3/4" 1	12	20	16.0 A			5.0 A			20	12	3/4"	RM 126 AV MONITOR RCPT 2	26
27						16.0 A			6.5 A		20	12	3/4"	RM 126 AV MONITOR/CLOCK RCPT 1	28
29	RM 126D COMM RCPT RACK 1	3/4"	12	20			16.0 A			6.5 A	20	12	3/4"	RM 126 AV MONITOR/CLOCK RCPT 2	30
31					16.0 A			9.0 A			20	12	3/4"	RM 126/VESTIBULE 1E CONVENIENCE RCPT	32
33	RM 127 FLOOR RCPT	3/4"	12	20		4.2 A			1.5 A		20	12	3/4"	VENDING MACHINE 1 RCPT	34
35	RM 126 TV RCPT	3/4"	12	20			5.0 A			1.5 A	20	12	3/4"	VENDING MACHINE 2 RCPT	36
37	RM 126 TV RCPT	3/4"	12	20	5.0 A			1.5 A			20	12	3/4"	VENDING MACHINE 3 RCPT	38
39	RM 128 AC-5 CLOCK RECEPT 1	3/4"	12	20		1.5 A			1.5 A		20	12	3/4"	VENDING MACHINE 4 RCPT	40
41										0.0 A	20	--	--	SPARE	42
43								0.0 A			20	--	--	SPARE	44
45									0.0 A		20	--	--	SPARE	46
47										0.0 A	20	--	--	SPARE	48
49	SPARE	--	--	20	0.0 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	--	--	SPD	52
53	SPARE	--	--	20			0.0 A			0.0 A					54
				TOTAL CONNECTED AMPS:	A: 139.0		B: 107.7		C: 111.2						

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
POWER	0 VA	0.00%	0 VA		
RCPT	36000 VA	63.89%	23000 VA	TOTAL CONN. LOAD:	42836 VA
COMP	180 VA	100.00%	180 VA	TOTAL EST. DEMAND:	29836 VA
COMM RCPT	6656 VA	100.00%	6656 VA	TOTAL CONN.:	119 A
				TOTAL EST. DEMAND:	83 A

SYM	DESCRIPTION	DATE	APPR
1	PANELBOARD CIRCUITS UPDATED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

A/E INFO

APPROVED
EVAN MIZUE
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
NAVFAC PACIFIC
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
PANELBOARD SCHEDULES - SHEET 3

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322241
SHEET 386 OF 468

EP703

DRAWFORM REVISION: 25 AUGUST 2020

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EP703

PANEL LP-103 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RM 113 WORKSTATIONS 1 RCPT	3/4"	12	20	9.0 A			6.5 A			20	12	3/4"	RM 113 TV/CLOCK RCPT	2
3	RM 113 WORKSTATIONS 2 RCPT	3/4"	12	20		9.0 A			10.5 A		20	12	3/4"	RM 102A CONVENIENCE RCPT	4
5	RM 113 WORKSTATIONS 3 RCPT	3/4"	12	20			9.0 A			6.0 A	20	12	3/4"	RM 103 CONVENIENCE RCPT	6
7	RM 113 WORKSTATIONS 4 RCPT	3/4"	12	20	12.0 A			2.1 A			20	12	3/4"	RM 103 TV RCPT	8
9	RM 113 CONVENIENCE RCPT	3/4"	12	20		7.5 A			1.5 A		20	12	3/4"	RM 103 KITCHEN RCPT	10
11	RM 113 CONVENIENCE RCPT	3/4"	12	20			9.0 A			4.5 A	20	12	3/4"	RM 114 CONVENIENCE RCPT 1	12
13	RM 110A WORKSTATIONS 1 RCPT	3/4"	12	20	9.0 A			9.0 A			20	12	3/4"	RM 114 CONVENIENCE RCPT 2	14
15	RM 110A WORKSTATIONS 2 RCPT	3/4"	12	20		9.0 A			9.0 A		20	12	3/4"	RM 114 FLOOR RCPT	16
17	RM 110A WORKSTATIONS 3 RCPT	3/4"	12	20			9.0 A			12.8 A	20	12	3/4"	RM 114 TV RCPT	18
19	RM 110A WORKSTATIONS 4 RCPT	3/4"	12	20	12.0 A			6.7 A			20	12	3/4"	RM 114 CADENZA RCPT 1	20
21	RM 110A CONVENIENCE RCPT	3/4"	12	20		12.0 A			6.7 A		20	12	3/4	RM 114 CADENZA RCPT 2	22
23	RM 110B WORKSTATIONS 1 RCPT	3/4"	12	20			9.0 A			1.5 A	20	12	3/4"	RM 114 CLOCK/RC1/RC2 RCPT	24
25	RM 110B WORKSTATIONS 2 RCPT	3/4"	12	20	9.0 A			1.5 A			20	12	3/4"	RM 103 REFRIG RCPT	26
27	RM 110B WORKSTATIONS 3 RCPT	3/4"	12	20		9.0 A			1.5 A		20	12	3/4"	RM 103 COFFE MAKER RCPT	28
29	RM 110B WORKSTATIONS 4 RCPT	3/4"	12	20			12.0 A			1.5 A	20	12	3/4"	RM 103 MICROVAVE RCPT	30
31	RM 110B CONVENIENCE RCPT	3/4"	12	20	9.0 A			3.3 A			20	12	3/4"	LOBBY L1 TV RCPT	32
33	RM 110A TV/CLOCK RCPT	3/4"	12	20		5.0 A			1.5 A		20	12	3/4"	RCPT DEDICATED ELEV PIT 1B	34
35	EQUIPMENT SMP-01 ELEV PIT (OWS-5)	3/4"	12	20			9.8 A			1.5 A	20	12	3/4"	RM 114 ESS ENCLOSURE RCPT	36
37	RM 110B TV/CLOCK RCPT	3/4"	12	20	6.5 A			0.0 A			20	--	--	SPARE	38
39	RM 102 WORKSTATIONS 1 RCPT	3/4"	12	20		12.0 A			0.0 A		20	--	--	SPARE	40
41	RM 102A TV RCPT	3/4"	12	20			3.3 A			0.0 A	20	--	--	SPARE	42
43	RM 102 WORKSTATIONS 2 RCPT	3/4"	12	20	12.0 A			0.0 A			20	--	--	SPARE	44
45	RM 102 WORKSTATIONS 4 RCPT	3/4"	12	20		12.0 A			0.0 A		20	--	--	SPARE	46
47	RM 102 CONVENIENCE RCPT	3/4"	12	20			13.5 A			0.0 A	20	--	--	SPARE	48
49	RM 102 TV AND CLOCK RCPT	3/4"	12	20	6.5 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	10	3/4"	SPD	52
53	SPARE	--	--	20			0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 114.6		B: 106.7			C: 102.5					

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	1180 VA	100.00%	1180 VA		
RCPT	37370 VA	63.38%	23685 VA	TOTAL CONN. LOAD:	38730 VA
COMP	180 VA	100.00%	180 VA	TOTAL EST. DEMAND:	25045 VA
				TOTAL CONN.:	108 A
				TOTAL EST. DEMAND:	70 A

PANEL LP-105 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RM 107 WORKSTATIONS 1 RCPT	3/4"	12	20	15.0 A			12.0 A			20	12	3/4"	RM 106 WORKSTATIONS 1 RCPT	2
3	RM 107 WORKSTATIONS 2 RCPT	3/4"	12	20		12.0 A			9.0 A		20	12	3/4"	RM 106 WORKSTATIONS 2 RCPT	4
5	RM 107 WORKSTATIONS 3 RCPT	3/4"	12	20			15.0 A			9.0 A	20	12	3/4"	RM 106 WORKSTATIONS 3 RCPT	6
7	RM 107 TV & AC-5 RCPT	3/4"	12	20	6.5 A			9.0 A			20	12	3/4"	RM 106 WORKSTATIONS 4 RCPT	8
9	RM 107 CONVENIENCE RCPT	3/4"	12	20		13.5 A			6.0 A		20	12	3/4"	RM 106 WORKSTATIONS 5 RCPT	10
11	RM 108A WORKSTATIONS 1 RCPT	3/4"	12	20			12.0 A			6.5 A	20	12	3/4"	RM 106 TV AND CLOCK RCPT	12
13	RM 108A WORKSTATIONS 2 RCPT	3/4"	12	20	12.0 A			7.5 A			20	12	3/4"	RM 106 CONVENIENCE RCPT NORTH	14
15	RM 108A WORKSTATIONS 3 RCPT	3/4"	12	20		12.0 A			12.0 A		20	12	3/4"	RM 106 COVENIENCE RCPT SOUTH	16
17	RM 108A TV & AC-5 RCPT	3/4"	12	20			6.5 A			12.0 A	20	12	3/4"	RM 105B WORKSTATIONS 1 RCPT	18
19	RM 108A CONVENIENCE RCPT	3/4"	12	20	10.5 A			9.0 A			20	12	3/4"	RM 105B WORKSTATIONS 2 RCPT	20
21	RM 108B WORKSTATIONS 1 RCPT	3/4"	12	20		12.0 A			12.0 A		20	12	3/4"	RM 105B WORKSTATIONS 3 RCPT	22
23	RM 108B WORKSTATIONS 2 RCPT	3/4"	12	20			12.0 A			13.0 A	20	12	3/4"	RM 105A & 105B TV & AC-5 RCPT	24
25	RM 108B WORKSTATIONS 3 RCPT	3/4"	12	20	13.2 A			7.5 A			20	12	3/4"	RM 105B CONVENIENCE RCPT	26
27	RM 108B TV RCPT	3/4"	12	20		6.5 A			9.0 A		20	12	3/4"	RM 105A WORKSTATIONS 1 RCPT	28
29	RM 108B CONVENIENCE RCPT	3/4"	12	20			10.5 A			9.0 A	20	12	3/4"	RM 105A WORKSTATIONS 2 RCPT	30
31	RM 109 COC TRAINING PAD RCPT EAST	3/4"	12	20	12.0 A			12.0 A			20	12	3/4"	RM 105A WORKSTATIONS 3 RCPT	32
33	RM 109 COC TRAINING PAD RCPT SOUTHWEST	3/4"	12	20		12.0 A			10.5 A		20	12	3/4"	RM 105A CONVENIENCE RCPT	34
35	CORRIDOR C1A & C1B CONVENIENCE RCPT	3/4"	12	20			10.5 A			1.5 A	20	12	3/4"	EXTERIR RCPT VESTIBULE 1A	36
37	CORRIDOR C1C CONVENIENCE RCPT	3/4"	12	20	7.5 A			3.0 A			20	12	3/4"	RM 102 WORKSTATION RCPT	38
39	RM 104 CONVENIENCE RCPT	3/4"	12	20		7.5 A			12.0 A		20	12	3/4"	RM 102 WORKSTATIONS 3 RCPT	40
41	ELECTRIC WATER COOLER	3/4"	12	20			1.5 A			10.5 A	20	12	3/4"	CORRIDOR 1A, LOBBY L1, VESTIBULE 101 RCPT	42
43	RM 109 AC-5 RCPT	3/4"	12	20	1.5 A			0.0 A			20	--	--	SPARE	44
45	RM 109 AC-5 RCPT	3/4"	12	20		1.5 A			0.0 A		20	--	--	SPARE	46
47	RM 108A ESS ENCLSOURE RCPT	3/4"	12	20			1.5 A			0.0 A	20	--	--	SPARE	48
49	RM 108B/C1C ESS ENCLOSURE RCPT	3/4"	12	20	4.5 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	10	3/4"	SPD	52
53	SPARE	--	--	20			0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 144.5		B: 149.3			C: 131.0					

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
RCPT	50540 VA	59.89%	30270 VA		
				TOTAL CONN. LOAD:	50540 VA
				TOTAL EST. DEMAND:	30270 VA
				TOTAL CONN.:	140 A
				TOTAL EST. DEMAND:	84 A

PANEL LP-104 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	OUTDOOR COC PAD PEDESTAL 1 RCPT	1"	10	20	3.0 A			6.0 A			20	10	1"	PAVILLION CONVIENCE RCPT	2
3	OUTDOOR COC PAD PEDESTAL 2 RCPT	1"	10	20		3.0 A			0.4 A		20	10	1"	LIGHTING - EXTERIOR PAVILION	4
5	OUTDOOR COC PAD PEDESTAL 3 RCPT	1"	10	20			3.0 A			0.0 A					6
7	EF-103	3/4"	12	20	6.4 A			0.0 A			20	12	3/4"	OVERHEAD DOOR 1	8
9	EF-104	3/4"	12	20		6.4 A			0.0 A						10
11	BCHD-1	3/4"	12	20			8.4 A			0.0 A					12
13	BCHD-3	3/4"	12	20	8.4 A			0.0 A			20	12	3/4	OVERHEAD DOOR 2	14
15	SPARE	--	--	20		0.0 A			0.0 A						16
17	CHILLED WATER PLANT CONTROL PANEL	3/4"	12	20			14.4 A								18
19	HOT WATER PLANT CONTROL PANEL	3/4"	12	20	14.4 A										20
21															22
23															24
25															26
27															28
29															30
31															32
33									14.4 A		20	12	3/4"	DDC CONTROL PANEL DOAS-1	34
35										14.4 A	20	12	3/4"	DDC CONTROL PANEL AHU-1	36
37								14.4 A			20	12	3/4"	DDC CONTROL PANEL VAVS	38
39															40
41	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	42
43	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	44
45	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	46
47	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	48
49	SPARE	--	--	20	0.0 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	10	3/4"	SPD	52
53	SPARE	--	--	20			0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 55.0		B: 24.2			C: 42.6					

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	12177 VA	80.00%	9742 VA		
LIGHTING	52 VA	75.00%	39 VA	TOTAL CONN. LOAD:	14029 VA
RCPT	1800 VA	100.00%	1800 VA	TOTAL EST. DEMAND:	11581 VA
				TOTAL CONN.:	39 A
				TOTAL EST. DEMAND:	32 A

PANEL LP-110 SCHEDULE

100 A AMP BUS | 100 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RCPT GENERATOR BUILDING EXTERIOR	3/4"	12	20	3.0 A			6.0 A			20	12	3/4"	RCPT GENERATOR BUILDING INTERIOR	2
3	BATTERY CHARGER	3/4"	12	20		12.5 A			14.4 A		20	12	3/4"	GENERATOR HEATER	4
5	LIGHTING INTERIOR GENERATOR BUILDING	3/4"	12	20			3.3 A			14.4 A					6
7	EXTERIOR LIGHTING GENERATOR BUILDING	3/4"	12	20	1.9 A			0.4 A			20	12	3/4"	LIGHTING CONTACTOR LC-2	8
9	FOR-1	3/4"	12	20		4.2 A			1.5 A		20	12	3/4"	LEAK DETECTION PANEL	10
11	FOS-1	3/4"	12	20			0.6 A			0.6 A	20	12	3/4"	EF-144	12
13	FOS-2	34"	12	20	0.6 A										14
15	LEVEL ALARM PANEL	3/4"	12	20		1.5 A									16
17	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	18
19	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	20
21	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	22
23	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	24
25	SPARE	--	--	20	0.0 A			0.0 A							26
27	SPARE	--	--	20		0.0 A			0.0 A		30	10	3/4"	SPD	28
29	SPARE	--	--	20			0.0 A			0.0 A					30
	TOTAL CONNECTED AMPS:				A: 11.9		B: 32.9			C: 17.8					

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	1085 VA	80.00%	868 VA		
LIGHTING	668 VA	75.00%	501 VA	TOTAL CONN. LOAD:	7333 VA
POWER	4500 VA	100.00%	4500 VA	TOTAL EST. DEMAND:	6949 VA
RCPT	1080 VA	100.00%	1080 VA	TOTAL CONN.:	20 A
				TOTAL EST. DEMAND:	19 A

SYM	DESCRIPTION	DATE	APPR
1	PANELBOARD CIRCUITS UPDATED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature:

Name: Ilir Paluja

Date: 04/27/2026 License Number: 56584

ASMD LLC.

APPROVED

FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
PANELBOARD SCHEDULES - SHEET 4

SCALE: NTS

EPROJECT NO.: 1696746

CONSTR. CONTR. NO. N62742-20-D-0001

NAVFAC DRAWING NO. 17322242

SHEET 387 OF 468

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PANEL LP-201 SCHEDULE

100 A AMP BUS | 100 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RM 222 WORKSTATIONS 1 RCPT	3/4"	12	20	12.0 A			10.5 A			20	12	3/4"	NE CORR 2A RCPT	2
3	RM 222 WORKSTATIONS 2 RCPT	3/4"	12	20		15.0 A			7.5 A		20	12	3/4"	SE CORR 2D RCPT	4
5	RM 222 CONVENIENCE RCPT	3/4"	12	20			10.5 A			10.5 A	20	12	3/4"	RM 219/220/221 RCPT	6
7	RM 222 TV RCPT	3/4"	12	20	6.5 A			1.5 A			20	12	3/4"	CORR 2D WATER FOUNTAIN	8
9	RM 218 RCPT	3/4"	12	20		4.5 A			9.0 A		20	12	3/4"	CONF RM 212 FLOOR RCPT	10
11	CONF RM 212 CONVENIENCE RCPT	3/4"	12	20			13.5 A			4.5 A	20	12	3/4"	STORAGE RM 215 RCPT	12
13	RM 212 AV MONITOR/AV SIGNAGE RCPT	3/4"	12	20	6.5 A			14.4 A			20	12	3/4"	DDC CONTROL PANEL AHU-2	14
15	DDC CONTROL PANEL VAVS	3/4"	12	20		14.4 A			14.4 A		20	12	3/4"	DDC CONTROL PANEL DOAS-2	16
17	MECH RM 217 RCPT	3/4"	12	20			4.5 A			2.6 A	20	12	3/4"	AHU-2 LIGHTS	18
19	DOAS-2 LIGHTING	3/4"	12	20	2.6 A			8.0 A			20	12	3/4"	AHU-2 RECPT	20
21	DOAS-2 RECPT	3/4"	12	20		8.0 A			6.4 A		20	12	3/4"	EF-202	22
23	CORRIDOR 2D RECPT	3/4"	12	20			6.0 A			8.0 A	20	12	3/4"	RM 212 TV RCPT	24
25	RM 212 AV CREDENZA RCPT 1	3/4"	12	20	6.7 A			4.2 A			20	12	3/4"	RM 217 FIRE ALARM CONTROL PANEL	26
27	RM 212 AV CREDENZA RCPT 2	3/4"	12	20		6.7 A			6.4 A		20	12	3/4"	EF-201	28
29	DDC CONTROL PANEL VAVS (1)	3/4"	12	20			14.4 A			0.0 A	20	--	--	SPARE	30
31	RM 212 ESS ENCLOSURE RCPT	3/4"	12	20	1.5 A			0.0 A			20	--	--	SPARE	32
33	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	34
35	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	36
37	SPARE	--	--	20	0.0 A			0.0 A							38
39	SPARE	--	--	20		0.0 A			0.0 A		30	--	--	SPD	40
41	SPARE	--	--	20			0.0 A			0.0 A					42
	TOTAL CONNECTED AMPS:				A: 74.3		B: 92.2		C: 74.5						

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	500 VA	100.00%	500 VA		
HVAC	10986 VA	80.00%	8789 VA	TOTAL CONN. LOAD:	28926 VA
RCPT	17260 VA	78.97%	13630 VA	TOTAL EST. DEMAND:	23099 VA
COMP	180 VA	100.00%	180 VA	TOTAL CONN.:	80 A
				TOTAL EST. DEMAND:	64 A

PANEL LP-202 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RM 206B WORKSTATIONS 1 RCPT	3/4"	12	20	12.0 A			12.0 A			20	12	3/4"	RM 206A WORKSTATIONS 1 RCPT	2
3	RM 206B WORKSTATIONS 2 RCPT	3/4"	12	20		12.0 A			12.0 A		20	12	3/4"	RM 206A WORKSTATIONS 2 RCPT	4
5	RM 206B WORKSTATIONS 3 RCPT	3/4"	12	20			12.0 A			12.0 A	20	12	3/4"	RM 206A WORKSTATIONS 3 RCPT	6
7	RM 206B CONVENIENCE RCPT	3/4"	12	20	9.0 A			9.0 A			20	12	3/4"	RM 206A CONVENIENCE RCPT	8
9	RM 206B TV/CLOCK RCPT	3/4"	12	20		6.5 A			6.5 A		20	12	3/4"	RM 206A TV/CLOCK RCPT	10
11	RM 207 WORKSTATIONS 1 RCPT	3/4"	12	20			12.0 A			12.0 A	20	12	3/4"	RM 203 WORKSTATIONS 1 RCPT	12
13	RM 207 WORKSTATIONS 2 RCPT	3/4"	12	20	12.0 A			12.0 A			20	12	3/4"	RM 203 WORKSTATIONS 2 RCPT	14
15	RM 207 WORKSTATIONS 3 RCPT	3/4"	12	20		12.0 A			9.0 A		20	12	3/4"	RM 203 WORKSTATIONS 3 RCPT	16
17	RM 207 CONVENIENCE RCPT	3/4"	12	20			6.0 A			7.5 A	20	12	3/4"	RM 203 CONVENIENCE RCPT	18
19	RM 207 TV RCPT	3/4"	12	20	6.5 A			1.5 A			20	12	3/4"	RM 207 CONVENIENCE RCPT	20
21	RM 205B WORKSTATIONS 1 RCPT	3/4"	12	20		12.0 A			12.0 A		20	12	3/4"	RM 205A WORKSTATIONS 1 RCPT	22
23	RM 205B WORKSTATIONS 2 RCPT	3/4"	12	20			12.0 A			12.0 A	20	12	3/4"	RM 205A WORKSTATIONS 2 RCPT	24
25	RM 205B WORKSTATIONS 3 RCPT	3/4"	12	20	12.0 A			12.0 A			20	12	3/4"	RM 205A WORKSTATIONS 3 RCPT	26
27	RM 205B CONVENIENCE RCPT	3/4"	12	20		9.0 A			12.0 A		20	12	3/4"	RM 205A CONVENIENCE RCPT	28
29	RM 205B TV/CLOCK RCPT	3/4"	12	20			6.5 A			6.5 A	20	12	3/4"	RM 205A TV/CLOCK RCPT	30
31	RM 202 RCPT 1	3/4"	12	20	9.0 A			9.0 A			20	12	3/4"	RM 202 RCPT 2	32
33	RM 227B WORKSTATIONS 2 RCPT	3/4"	12	20		12.0 A			6.5 A		20	12	3/4"	RM227B TV/CLOCK RCPT	34
35	RM 227B CONVENIENCE RCPT	3/4"	12	20			12.0 A			12.0 A	20	12	3/4"	RM 227B WORKSTATIONS 3 RCPT	36
37	CORRIDOR 2B WATER COOLER RCPT	3/4"	12	20	1.5 A			6.0 A			20	12	3/4"	CORRIDOR 2C CONVENIENCE RCPT	38
39	CORRIDOR 2B CONVENIENCE RCPT	3/4"	12	20		7.5 A			3.0 A		20	12	3/4"	RM 204 CONVENIENCE RCPT	40
41	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	42
43	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	44
45	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	46
47	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	48
49	SPARE	--	--	20	0.0 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	10	3/4"	SPD	52
53	SPARE	--	--	20			0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 123.7		B: 132.2		C: 122.5						

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
RCPT	45360 VA	61.02%	27680 VA		
				TOTAL CONN. LOAD:	45360 VA
				TOTAL EST. DEMAND:	27680 VA
				TOTAL CONN.:	126 A
				TOTAL EST. DEMAND:	77 A

PANEL LP-203 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RM 208A WORKSTATIONS 1 RCPT	3/4"	12	20	12.0 A			12.0 A			20	12	3/4"	RM 208B WORKSTATIONS 1 RCPT	2
3	RM 208A WORKSTATIONS 2 RCPT	3/4"	12	20		12.0 A			12.0 A		20	12	3/4"	RM 208B WORKSTATIONS 2 RCPT	4
5	RM 208A WORKSTATIONS 3 RCPT	3/4"	12	20			15.0 A			15.0 A	20	12	3/4"	RM 208B WORKSTATIONS 3 RCPT	6
7	RM 208A CONVENIENCE RCPT	3/4"	12	20	9.0 A			9.0 A			20	12	3/4"	RM 208B CONVENIENCE RCPT	8
9	RM 208A TV RCPT	3/4"	12	20		6.5 A			6.5 A		20	12	3/4"	RM 208B TV RCPT	10
11	RM 209 WORKSTATIONS 1 RCPT	3/4"	12	20			12.0 A			9.0 A	20	12	3/4"	RM 209 WORKSTATIONS 2 RCPT	12
13	RM 209 WORKSTATIONS 3 RCPT	3/4"	12	20	0.0 A			0.0 A			20	12	3/4"	RM 209 WORKSTATIONS 4 RCPT	14
15	RM 209 CONVENIENCE RCPT	3/4"	12	20		12.0 A			9.0 A		20	12	3/4"	CONF RM 211A FLOOR RCPT	16
17	OFFICE 211B RCPT	3/4"	12	20			3.0 A			9.0 A	20	12	3/4"	CONF RM 211A CONVENIENCE RCPT	18
19	OFFICE 211C RCPT	3/4"	12	20	3.0 A			4.5 A			20	12	3/4"	OFFICE 211D RCPT	20
21	OFFICE 211E RCPT	3/4"	12	20		4.5 A			9.0 A		20	12	3/4"	RM 211 WORKSTATION RCPT	22
23	RM 211 CONVENIENCE RCPT	3/4"	12	20			9.0 A			3.0 A	20	12	3/4"	RM 211F CONVENIENCE RCPT	24
25	RM 211A AV MONITOR/CLOCK RCPT	3/4"	12	20	6.3 A			4.2 A			20	12	3/4"	RM 209 AV MONITOR/CLOCK RCPT 1	26
27	RM 211A AV MONITOR/SIGNAGE RCPT	3/4"	12	20		4.8 A			4.5 A		20	12	3/4"	RM 209 CONVENIENCE RCPT	28
29	RM 211A AV CREDENZA RCPT 1	3/4"	12	20			0.0 A			4.8 A	20	12	3/4"	RM 209 AV MONITOR/CLOCK RCPT 2	30
31	RM 211A AV CREDENZA RCPT 2	3/4"	12	20	0.0 A			1.5 A			20	12	3/4"	RM 211A ESS ENCLOSURE RCPT	32
33									1.5 A		20	12	3/4"	RM 209 ESS ENCLOSURE RCPT	34
35										0.0 A	20	--	--	SPARE (1)	36
37	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	38
39	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	40
41	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	42
43	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	44
45	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	46
47	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	48
49	SPARE	--	--	20	0.0 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	10	3/4"	SPD	52
53	SPARE	--	--	20			0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 61.5		B: 85.2		C: 82.7						

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
RCPT	26660 VA	68.75%	18330 VA		
COMP	180 VA	100.00%	180 VA	TOTAL CONN. LOAD:	26840 VA
				TOTAL EST. DEMAND:	18510 VA
				TOTAL CONN.:	75 A
				TOTAL EST. DEMAND:	51 A

PANEL LP-204 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1								14.4 A			20	12	3/4"	DDC CONTROL PANEL VAVS	2
3															4
5															6
7															8
9															10
11															12
13															14
15															16
17															18
19															20
21															22
23															24
25															26
27	SPARE	--	--	20		0.0 A									28
29	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	30
31	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	32
33	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	34
35	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	36
37	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	38
39	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	40
41	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	42
43	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	44
45	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	46
47	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	48
49	SPARE	--	--	20	0.0 A			0.0 A							50
51	SPARE	--	--	20		0.0 A			0.0 A		30	10	3/4"	SPD	52
53	SPARE	--	--	20			0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 14.4		B: 0.0		C: 0.0						

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	1725 VA	80.00%	1380 VA		
				TOTAL CONN. LOAD:	1725 VA
				TOTAL EST. DEMAND:	1380 VA
				TOTAL CONN.:	5 A
				TOTAL EST. DEMAND:	4 A

SYM	DESCRIPTION	DATE	APPR
1	PANELBOARD CIRCUITS UPDATED	04/27/2026	IP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paloja
Date: 04/27/2026 License Number: 56584
SEAL

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES IP | DRW JMD | CHK IP
PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
PANELBOARD SCHEDULES - SHEET 6

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322244
SHEET 389 OF 468

EP706

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:21:28 PM
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EP706

PANEL LP-GTR-205 SCHEDULE

225A AMP BUS | 225 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. 10 KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RM 214 SPARE 1 RCPT A	3/4"	10	30	8.7 A			8.7 A			30	10	3/4"	RM 214 SPARE 2 RCPT A	2
3						8.7 A			8.7 A						4
5	RM 214 SPARE 1 RCPT B	3/4"	10	30			8.7 A			8.7 A	30	10	3/4"	RM 214 SPARE 2 RCPT B	6
7					8.7 A			8.7 A							8
9	RM 214 SPARE 3 RCPT A	3/4"	10	30		8.7 A			8.7 A		30	10	3/4"	RM 214 SPARE 4 RCPT A	10
11							8.7 A			8.7 A					12
13	RM 214 SPARE 3 RCPT B	3/4"	10	30	8.7 A			8.7 A			30	10	3/4"	RM 214 SPARE 4 RCPT B	14
15						8.7 A			8.7 A						16
17	RM 214 SPARE 5 RCPT A	3/4"	10	30			8.7 A			8.7 A	30	10	3/4"	RM 214 TRANSIT GEAR 1A	18
19					8.7 A			8.7 A							20
21	RM 214 SPARE 5 RCPT B	3/4"	10	30		8.7 A			8.7 A		30	10	3/4"	RM 214 TRANSIT GEAR 1B	22
23							8.7 A			8.7 A					24
25	RM 214 TRANSIT GEAR 2A	3/4"	10	30	8.7 A										26
27						8.7 A									28
29	RM 214 TRANSIT GEAR 2A	3/4"	10	30			8.7 A								30
31					8.7 A										32
33															34
35															36
37	SPARE	--	--	30	0.0 A			0.0 A			20	--	--	SPARE	38
39						0.0 A			0.0 A		20	--	--	SPARE	40
41	SPARE	--	--	30			0.0 A			0.0 A	20	--	--	SPARE	42
43					0.0 A			0.0 A			20	--	--	SPARE	44
45	SPARE	--	--	30		0.0 A			0.0 A		20	--	--	SPARE	46
47							0.0 A								48
49	SPARE	--	--	30	0.0 A			0.0 A			30	--	--	SPD	50
51						0.0 A			0.0 A						52
53							0.0 A			0.0 A					54
	TOTAL CONNECTED AMPS:				A: 75.0		B: 67.5			C: 67.5					

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
COMM RCPT	25200 VA	100.00%	25200 VA		
				TOTAL CONN. LOAD:	25200 VA
				TOTAL EST. DEMAND:	25200 VA
				TOTAL CONN.:	70 A
				TOTAL EST. DEMAND:	70 A

PANEL ELP-101 SCHEDULE

100 A AMP BUS | 100 A MCB | 208/120 WYE VOLTS | 3PH, 4W, SN, 60HZ | MIN. | KAIC | SURFACE

CKT NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	A	B	C	A	B	C	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1	RM 112 FIRE ALARM PANEL	3/4"	12	20	0.0 A			12.5 A			20	12	3/4"	RM 116 FIRE ALARM PANEL	2
3	RM 204 FIRE ALARM PANEL	3/4"	12	20		4.2 A			2.9 A		20	12	3/4"	RADON FANS	4
5	RADON FANS	3/4"	12	20			1.5 A			0.0 A	20	--	--	SPARE	6
7	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	8
9	SPARE	--	--	20		0.0 A			0.0 A		20	--	--	SPARE	10
11	SPARE	--	--	20			0.0 A			0.0 A	20	--	--	SPARE	12
13	SPARE	--	--	20	0.0 A			0.0 A			20	--	--	SPARE	14
15				1										1	16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37															38
39															40
41															42
43															44
45															46
47															48
49								0.0 A							50
51									0.0 A		20	--	--	SPD	52
53										0.0 A					54
	TOTAL CONNECTED AMPS:				A: 13.4		B: 7.9			C: 1.5					

NOTES:

1. IF BID OPTION #2 GETS ACCEPTED, TRANSFER ELP-101 BRANCH CIRCUITS TO LP-101. 1

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	2000 VA	100.00%	2000 VA		
HVAC	525 VA	80.00%	420 VA		
				TOTAL CONN. LOAD:	2525 VA
				TOTAL EST. DEMAND:	2420 VA
				TOTAL CONN.:	7 A
				TOTAL EST. DEMAND:	7 A

SYM	DESCRIPTION	DATE	APPR
1	PANELBOARD CIRCUITS UPDATED	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paluja
Date: 04/27/2026 License Number: 56584

SEAL

ASMD LLC.

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII

U.S. NAVSUPPACT

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

PANELBOARD SCHEDULES - SHEET 10

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322248
SHEET 393 OF 468

EP710

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:21:30 PM EP710
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CABLE NUMBER	SOURCE	DESTINATION	LOAD DESCRIPTION	LENGTH (Ft)	SIZE	TYPE	ROUTING TYPE	NOTES
P100	ST-P574-19	XFMR-100	TRANSFORMER	380	4"C -3#2/0, 15KV, EPR, 133%, MV-105, 1#4/0 GND		DUCT BANK	
P101	XFMR-100	MDS-101	MAIN SWITCHBOARD	90	5 SETS OF (4"C-4#500, 1#4/0 GND)		DUCT BANK	BASE BID ONLY
P101	XFMR-100	DS-101	DISCONNECT SWITCH	90	5 SETS OF (4"C-4#500, 1#4/0 GND)		DUCT BANK	BID OPTION 2 ONLY
P102	DS-101	ATS-101	ATS	5	5 SETS OF (4"C-4#500, 1#4/0 GND)		CONDUIT	BID OPTION 2 ONLY
P103	ATS-101	MDS-101	PANELBOARD	10	5 SETS OF (4"C-4#500, 1#4/0 GND)		CONDUIT	BID OPTION 2 ONLY
P104	MDS-101	HP-GTR-202	PANELBOARD	200	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	BASE BID ONLY
P105	MDS-101	HDP-101	PANELBOARD	25	2 SETS OF (3"C-4#350, 1#1 GND)		CONDUIT	BID OPTION 2 ONLY
P106	MDS-101	CHILLER#1	MOTOR	100	1 SET OF (2 1/2"C-3#4/0, 1#4 GND)		CONDUIT	
P107	MDS-101	CHILLER#2	MOTOR	80	1 SET OF (2 1/2"C-3#4/0, 1#4 GND)		CONDUIT	
P108	MDS-101	XFMR-101	TRANSFORMER	40	2 SETS OF (3"C-4#350, 1#1 GND)		CONDUIT	
P109	XFMR-101	LDP-101	PANELBOARD	10	2 SETS OF (4"C-4#500, 1#1/0 GND)		CONDUIT	
P110	MDS-101	XFMR-102	TRANSFORMER	45	2 SETS OF (3"C-4#350, 1#1 GND)		CONDUIT	
P111	XFMR-102	LDP-102	PANELBOARD	10	2 SETS OF (4"C-4#500, 1#1/0 GND)		CONDUIT	
P112	MDS-101	DHRC	MOTOR	60	1 SET OF (1 1/4"C-3#1, 1#8 GND)		CONDUIT	
P113	EG-101 BRK 2	E-ATS-101	ELEVATOR	40	1 SET OF (1 1/4"C-3#1, 1#8 GND)		CONDUIT	BASE BID ONLY
P113	MDS-101	EL-1	ELEVATOR	100	1 SET OF (1 1/4"C-3#1, 1#8 GND)		CONDUIT	BID OPTION 2 ONLY
P114	E-ATS-101	EL-1	ELEVATOR	125	1 SET OF (1 1/4"C-3#1, 1#8 GND)		CONDUIT	BASE BID ONLY
P115	MDS-101	E-ATS-101	ELEVATOR	40	1 SET OF (1 1/4"C-3#1, 1#8 GND)		CONDUIT	BASE BID ONLY
P118	MDS-101	HP-102	PANELBOARD	40	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	BASE BID ONLY
P119	MDS-101	E-ATS-100	ATS	15	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	BASE BID ONLY
P120	EG-101 BRK 1	E-ATS-100	ATS	40	1 SET OF (2 1/2"C-4#3/0, 1#4 GND)		CONDUIT	
P120	SG-101	ATS-101	ATS	190	5 SETS OF (4"C-4#500, 1#4/0 GND)		DUCT BANK	BID OPTION 2 ONLY
P120R	SG-101	ATS-101	ATS	190	1 SET OF (1"C-2#14)		CONDUIT	BID OPTION 2 ONLY
P121	E-ATS-100	HP-101	PANELBOARD	40	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	BASE BID ONLY
P122	HP-101	HP-103	PANELBOARD	180	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	BASE BID ONLY
P123	HP-101	HP-201	PANELBOARD	100	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	BASE BID ONLY
P124	HP-101	HP-202	PANELBOARD	115	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	BASE BID ONLY
P125	HP-101	E-XFMR-101	TRANSFORMER	85	1 SET OF (1"C-3#6, 1#8 GND)		CONDUIT	BASE BID ONLY
P126	E-XFMR-101	ELP-101	PANELBOARD	15	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	BASE BID ONLY
P127	LDP-101	LP-101	PANELBOARD	30	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P128	LDP-101	LP-102	PANELBOARD	30	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P129	LDP-101	LP-103	PANELBOARD	205	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P130	LDP-101	LP-104	PANELBOARD	205	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P131	LDP-101	LP-105	PANELBOARD	205	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P132	LDP-101	LP-110	PANELBOARD	305	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	
P133	LDP-101	LP-201	PANELBOARD	215	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P134	LDP-101	LP-202	PANELBOARD	215	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P135	LDP-101	LP-203	PANELBOARD	215	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P136	LDP-101	LP-204	PANELBOARD	215	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P137	LDP-101	LP-205	PANELBOARD	215	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P138	LDP-101	LP-CTR-101	PANELBOARD	55	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P139	LDP-101	LP-CTR-102	PANELBOARD	100	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P140	LDP-102	LP-GTR-101	PANELBOARD	150	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P141	LDP-102	LP-GTR-102	PANELBOARD	90	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P142	LDP-102	LP-GTR-103	PANELBOARD	90	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P143	LDP-102	LP-GTR-201	PANELBOARD	160	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P144	LDP-102	LP-GTR-202	PANELBOARD	160	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P145	LDP-102	LP-GTR-203	PANELBOARD	160	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P146	LDP-102	LP-GTR-204	PANELBOARD	160	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P147	LDP-102	LP-GTR-205	PANELBOARD	160	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	
P148	HDP-101	HP-101	PANELBOARD	10	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	BID OPTION 2 ONLY
P149	HDP-101	HP-102	PANELBOARD	5	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	BID OPTION 2 ONLY
P150	HDP-101	HP-103	PANELBOARD	200	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	BID OPTION 2 ONLY
P151	HDP-101	HP-201	PANELBOARD	100	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	BID OPTION 2 ONLY
P152	HDP-101	HP-202	PANELBOARD	250	1 SET OF (1 1/4"C-4#1, 1#8 GND)		CONDUIT	BID OPTION 2 ONLY
P153	HDP-101	HP-GTR-202	PANELBOARD	180	1 SET OF (2 1/2"C-4#4/0, 1#4 GND)		CONDUIT	BID OPTION 2 ONLY

GENERAL NOTES

1. LENGTHS SHOWN BETWEEN SOURCE AND DESTINATION ARE APPROXIMATE AND FOR DESIGN PURPOSES ONLY. CONTRACTOR TO FIELD VERIFY ALL CABLE LENGTHS PRIOR TO PURCHASING BASED ON FIELD CONDUIT ROUTINGS.

KEY NOTES

SYM	DESCRIPTION	DATE	APPR
1	CABLE SCHEDULE UPDATES	04/27/2026	IP

NAVFAC

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature:
Name: Ilir Paluja
Date: 04/27/2026 License Number: 56584
SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	IP	DRW	JMD	CHK	IP

PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
CABLE SCHEDULE

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322249
SHEET 394 OF 468

EP720

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 4:21:32 PM EP720
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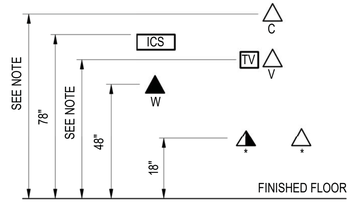
GENERAL NOTES

1. THE FOLLOWING GENERAL NOTES APPLY TO ALL TELECOMMUNICATIONS DRAWINGS.
2. SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT BE USED.
3. MINIMUM CONDUIT SIZE MUST BE 1", UNLESS OTHERWISE NOTED.
4. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC ONLY. INSTALL ALL CONDUITS TO SUIT FIELD CONDITIONS.
5. ALL NON-CURRENT CARRYING METAL PARTS OF EQUIPMENT MUST BE GROUNDED. ALL METALLIC CONDUIT MUST BE ELECTRICALLY CONTINUOUS AND GROUNDED.
6. INSTALL ALL EQUIPMENT, DEVICES, CONDUIT AND CONDUIT SUPPORTS TO MEET ZONE SEISMIC REQUIREMENTS.
7. EXTERIOR MOUNTED ENCLOSURE MUST BE WEATHERPROOF, NEMA 4XSST TYPE 316 RATED. EXTERIOR HARDWARE MUST BE SST.
8. THE EXISTING CONDITIONS OF BELOW GROUND PIPING AND UTILITIES SUCH AS WATER MAINS, SANITARY SEWERS, STORM SEWERS, FUEL LINES, ELECTRICAL CONDUITS, COMMUNICATION CONDUITS AND OTHER UTILITIES ARE TAKEN FROM EXISTING RECORD DRAWINGS AND VERIFIED BY FIELD OBSERVATION. IT MUST BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION AND DEPTH OF BELOW GROUND PIPING AND UTILITIES IN THE IMMEDIATE VICINITY OF SUBSURFACE WORK, WHETHER SHOWN ON THE DRAWINGS OR NOT. CONTRACTOR MUST MARK ALL EXISTING PIPING AND UTILITIES AFFECTED BY THE WORK USING UNDERGROUND MAP LOCATOR POSITION OF PIPES AND CONDUITS ON THE SURFACE. GENERAL CONTRACTOR MUST CONTACT UTILITIES REPRESENTATIVE, 10 DAYS IN ADVANCE FOR ASSISTANCE IN IDENTIFYING THE AREAS INVOLVING SUBSURFACE WORK. CONTRACTOR MUST ADD THE EXISTING UNDERGROUND UTILITIES FOUND DURING STAKING TO DRAWINGS FOR RECORD. CONTRACTOR MUST BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
9. KEEP THE WORK AREA CLEAN AND FREE OF WASTE MATERIAL AND RUBBISH. AT THE END OF EACH WORK DAY, REMOVE ALL DEBRIS FROM THE PROPERTY AND LEAVE THE WORK AREA IN A BROOM CLEAN CONDITION. SUPPLY TRASH BINS.
10. EXTERIOR ABOVE GROUND CONDUIT MUST BE RIGID ALUMINUM. UNDERGROUND CONDUIT MUST BE PVC, INSTALLED 2 FEET MINIMUM BELOW FINISHED GRADE.
11. EQUIPMENT OR OUTLET LOCATIONS INDICATED ARE DIAGRAMMATIC. EXACT LOCATIONS MUST BE FIELD DETERMINED.
12. COORDINATE ALL TELECOMMUNICATIONS WORK WITH OTHER TRADES.
13. ALL CAT6A OR FIBER OPTIC CABLING LOCATED IN THE SLAB OR BELOW GROUND MUST BE WET LOCATION LISTED.
14. ALL TELECOMMUNICATIONS CABLING MUST BE INSTALLED IN CONDUIT OR IN CABLE TRAY. CONTINUOUS CONDUIT RUNS MUST NOT EXCEED 100' OR TWO 90 DEGREE BENDS BETWEEN PULL POINTS.
15. CATEGORY 6A CABLE MUST NOT EXCEED 295 FEET IN LENGTH.
16. PROVIDE A PULL STRING IN ALL EMPTY AND SPARE CONDUITS AND PLUG WITH MECHANICAL TYPE PLUG. ALSO SEAL OSP CONDUITS AFTER CABLES ARE INSTALLED WHERE THEY ENTER OR EXIT BUILDINGS OR UNDERGROUND STRUCTURES.
17. ALL ACTIVE EQUIPMENT, INCLUDING BUT NOT LIMITED TO, SWITCHES, ROUTERS, ESS DEVICES, SECURITY CONTROL PANELS, ETC. EXCEPT ICS/FRCS NETWORK SWITCHES WILL BE GFGI. ALL PASSIVE EQUIPMENT, INCLUDING BUT NOT LIMITED TO, CONDUIT, CABLE, CABLE TRAY, OUTLETS, EQUIPMENT CABINETS, PATCH PANELS, ETC. MUST BE PROVIDED BY THIS CONTRACT.
    ICS NETWORK SWITCHES MUST BE PROVIDED BY THIS CONTRACT.
18. OSP UNDERGROUND FIBER OPTIC CABLING MUST BE ARMORED. ARMOR MUST BE BONDED TO GROUND WHEREVER THE CABLE IS TERMINATED OR SPLICED.
19. ALL FIBER OPTIC CABLE MUST BE SINGLE MODE.
20. PROVIDE 100 FEET MAINTENANCE LOOP OF TELECOMMUNICATION CABLING AT EACH SPLICE CASE LOCATION IN TMH.
21. PROVIDE SPLICE CASE LOCATIONS AS SHOWN ON THE DRAWINGS AND AS NEEDED FOR CONTINUOUS LENGTHS OF CABLE.
22. ALL TELECOMMUNICATIONS CABLING INSTALLED IN THIS CONTRACT MUST BE TERMINATED IN A FACILITY OR IN A SPLICE CASE.
23. CONTRACTOR MUST COORDINATE WITH NCTS FOR ALL TELECOMMUNICATIONS WORK, THIS INCLUDES, BUT IS NOT LIMITED TO, WORK IN EXISTING TMH, THH, TERMINATIONS, SPLICES, EQUIPMENT LOCATIONS, AND IDENTIFYING CABLES.
24. TELECOM CABLES FROM FLOOR BOXES OR WALL MOUNTED OUTLETS TO SYSTEM FURNITURE WORKSTATION TELECOM OUTLETS MUST BE PROVIDED AND INSTALLED BY THE J-875 CONTRACTOR AFTER THE FURNITURE FRAMES HAVE BEEN INSTALLED. COORDINATE WITH CEQ CONTRACTOR FOR INSTALLATION OF CABLES.
25. INSIDE PLANT (ISP) CABLING MUST BE TESTED IN ACCORDANCE WITH ANSI/TIA 568 AND THE REFERENCES IN COMSPAWAR M-4720.1, APPENDIX AC. PROVIDE 10% VERIFICATION TEST TO NCTS OF ISP ONCE TEST RESULTS HAVE BEEN SUBMITTED AND NCTS HAS REVIEWED RESULTS FOR 100% ACCURACY. (1)
26. TELECOM CABLES, RACEWAY, OUTLETS, AND EQUIPMENT FOR CLASS (RED) AND UNCLASS (BLACK) NETWORKS MUST MEET THE SEPARATION REQUIREMENTS IN CNSSAM TEMPEST/01-13. MINIMUM CABLE SEPARATION MUST BE 2". MINIMUM UNCLASS CABLE TO CLASS EQUIPMENT MUST BE 20"
27. EQUIPMENT (PIPING, DUCTWORK, MACHINERY, ETC) THAT DOES NOT SERVE THE GTRS OR CTRS MUST NOT BE INSTALLED ABOVE, BELOW (E.G. IN OR UNDER SLAB) OR IN THESE TELECOMMUNICATIONS SPACES NOR WILL THIS EQUIPMENT PASS THROUGH OR ENTER THE GTRS OR CTRS.
28. CABLE TRAY UTILIZED FOR HORIZONTAL DISTRIBUTION MUST BE WELDED WIRE/BASKET STYLE. LADDER TYPE CABLE TRAY MUST NOT BE INSTALLED OUTSIDE OF TELECOMMUNICATIONS ROOMS FOR HORIZONTAL DISTRIBUTION DUE TO POSSIBLE CABLE DEFORMATION WITH LARGE CABLE QUANTITIES.

DEVICE MOUNTING HEIGHT



*=S, 8U, 8C

NOTE:
REFER TO AV AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF CLOCKS AND TELEVISION MONITORS. LOCATE CLOCK OUTLETS, TV OUTLETS, AND VIDEO OUTLETS CENTERED VERTICALLY ON THE CLOCK OR MONITOR AND LOCATE OUTLETS HORIZONTALLY FROM CENTER OF CLOCKS AND MONITORS TO AVOID CONFLICTS WITH MOUNTING BUT STILL BE BEHIND THE CLOCK OR MONITOR.

ELECTRONIC SECURITY SYSTEMS (ESS)

BMS	BALANCE MAGNETIC SWITCH
KP	IDS KEYPAD
CR	AACS CARD READER
MD	MOTION DETECTOR
IDS	IDS GUTTER BOX
AACS	AACS GUTTER BOX

RACEWAY AND LINE TYPES

E	CONDUIT STUB WITH CAP (NEW)
E	CONDUIT STUB WITH CAP (EXISTING)
	CONDUIT EXPOSED
	CONDUIT EMBEDDED OR U-TRENCH
	CONDUIT TURN-DOWN
	CONDUIT TURN-UP
J	JUNCTION BOX
CUx	TELECOMMUNICATION DUCTBANK (EXISTING)
CU	TELECOMMUNICATION DUCTBANK (NEW)
	EXISTING GOVERNMENT MAINTENANCE HOLE
TMH	NEW GOVERNMENT HANDHOLE
THH	EXISTING COMMERCIAL HANDHOLE
THH	NEW COMMERCIAL HANDHOLE
	CABLE TRAY

TELECOMMUNICATION

PET	PROTECTIVE ENTRANCE TERMINAL
W	VOICE OUTLET, WALL MOUNTED 1-CAT 6A
J	JUNCTION BOX
PBB	PRIMARY BONDING BUS BAR (PBB)
SBB	SECONDARY BONDING BUS BAR (SBB)
ICS	ICS ENCLOSURE
MW	AMI METER (WATER)
ME	AMI METER (ELECTRICAL)
	TELECOMMUNICATIONS CABINET
V	VIDEO DATA OUTLET 1-CAT 6A
8U	UNCLASSIFIED TRAINING DATA OUTLET IN FLOOR BOX, 8-CAT 6A (2-CACC, 2-MTWS, 2-TIE, 2-TRNG) U-UNCLASSIFIED
8U	UNCLASSIFIED TRAINING DATA OUTLET, 8-CAT 6A (2-CACC, 2-MTWS, 2-TIE, 2-TRNG)
	UNCLASSIFIED VOICE/DATA OUTLET IN FLOOR BOX, 3-CAT 6A DATA AND 1-CAT 6A VOICE.
	UNCLASSIFIED VOICE/DATA OUTLET, 3-CAT 6A DATA AND 1-CAT 6A VOICE.
8C	CLASSIFIED TRAINING DATA OUTLET IN FLOOR BOX, 8-CAT 6A (2-CACC, 2-MTWS, 2-TIE, 2-TRNG)
8C	CLASSIFIED TRAINING DATA OUTLET, 8-CAT 6A (2-CACC, 2-MTWS, 2-TIE, 2-TRNG)
C	CLOCK OUTLET, 3-CAT 6A
S	SIPR OUTLET IN FLOOR BOX, 2-CAT 6A
S	SIPR OUTLET, 2-CAT 6A
V	VENDOR ACCESS PORT, 1-CAT 6A
TV	CATV OUTLET, RG-11 CABLE

ABRREVIATIONS

ADN	AREA DISTRIBUTION NODE
AACS	AUTOMATED ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
AMI	ADVANCED METERING INFRASTRUCTURE
APPROX	APPROXIMATELY
AUX	AUXILIARY
AV	AUDIO VISUAL
BBC	BACKBONE BONDING CONDUCTOR
BC	BARE COPPER
CAT	CATEGORY
CKT	CIRCUIT
CC	COMMERCIAL CONDUIT
CHH	COMMERCIAL COMMUNICATIONS HANDHOLE
CO	CONDUIT ONLY
COC	COMMAND OPERATION CENTER
COMM	COMMUNICATIONS
CCTV	CLOSED CIRCUIT TELEVISION
CTR	COMMERCIAL TELECOMMUNICATIONS ROOM
CU	COPPER
CUPP	COPPER PATCH PANEL
DIA	DIAMETER
(E)/EXIST	EXISTING
EHH	ELECTRIC HANDHOLE
ELECT	ELECTRICAL
EMH	ELECTRICAL MANHOLE
EMT	ELECTRICAL METALLIC TUBING
ESS	ELECTRONIC SECURITY SYSTEM
FA	FIRE ALARM
FLR	FLOOR
FO	FIBER OPTIC
FOC	FIBER OPTIC CABLE
FOPP	FIBER OPTIC PATCH PANEL
FT	FEET
F/UTP	FOILED/UTP
GFGI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
G/GND	GROUND
GTR	GOVERNMENT TELECOMMUNICATIONS ROOM
I3A	TECHNICAL CRITERIA FOR THE INSTALLATION INFORMATION INFRASTRUCTURE ARCHITECTURE
ICS	INDUSTRIAL CONTROL SYSTEMS
IDS	INTRUSION DETECTION SYSTEM
IN	INCH
JBOX/JB	JUNCTION BOX
LT	LIQUID TIGHT
MTG	MOUNTING
MDF	MAIN DISTRIBUTION FRAME
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MM	MULTIMODE
MTG	MOUNTING
NCTS	NAVAL COMPUTER AND TELCOMMUNICATIONS STATION
ODE	OPTICAL DISTRIBUTION ENCLOSURE
ODF	OPTICAL DISTRIBUTION FRAME
OSP	OUTSIDE PLANT
OSPGB	OUTSIDE PLANT GROUND BAR
PA	PUBLIC ADDRESS
PBB	PRIMARY BONDING BUS BAR
PC	DESKTOP COMPUTER
PET	PROTECTION ENTRANCE TERMINAL
PR	PAIR
PVC	POLYVINYL CHLORIDE
RBC	RACK BONDING CONDUCTOR
RCT	RANGE CONTROL TOWER
RGB	RACK GROUND BUS BAR
RGS	RIGID GALVANIZED STEEL
SBB	SECONDARY BONDING BUS BAR
SBC	SECONDARY BONDING CONDUCTOR
SIPR	SECURED INTERNET PROTOCOL ROUTER
SM	SINGLE MODE
SRS	SURFACE RADAR SITE
SST	STAINLESS STEEL
SPKR	SPEAKER
STP	SHIELDED TWISTED PAIR
STR	STRAND
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TGB	TELECOMMUNICATIONS GROUND BAR
THH	GOVERNMENT TELECOMMUNICATIONS HANDHOLE
TMGB	TELECOMMUNICATIONS MAIN GROUND BAR
TMH	TELECOMMUNICATIONS MAINTENANCE HOLE
TRNG	TRAINING
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL

ABRREVIATIONS (CONTINUED)

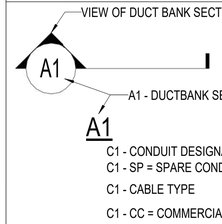
UFER	UNEQUAL FLANGE EQUIPMENT RACK
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VTC	VIDEO TELECONFERENCING
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF

PUBLIC ADDRESS SYSTEM

S	PUBLIC ADDRESS SPEAKER
H	HIGH OUTPUT PUBLIC ADDRESS SPEAKER
M	PUBLIC ADDRESS MICROPHONE

REFER TO TA-SERIES DRAWINGS FOR ADDITIONAL AV SYSTEMS ELEMENTS

DUCTBANK CONFIGURATION



NOTE:
1. ALL CONDUITS ARE 4" UNLESS OTHERWISE NOTED (UON).

SYM	DESCRIPTION	DATE	APPR
1	REVISED TELECOM NOTES & DETAILS	4/27/26	

NAVFAC

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Gregory Reynolds
BICSI ID # 222731
EXPIRES 12-31-28
RCDD

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	GER	DRW	IRZ	CHK	RSG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
TELECOMMUNICATIONS LEGEND

SCALE:	NTS
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322265
SHEET	395 OF 468

T-001

DRAWFORM REVISION: 25 AUGUST 2020

LICENSED PROFESSIONAL ENGINEER
GEORGE G. GARDNER
P14128
4/30/2026

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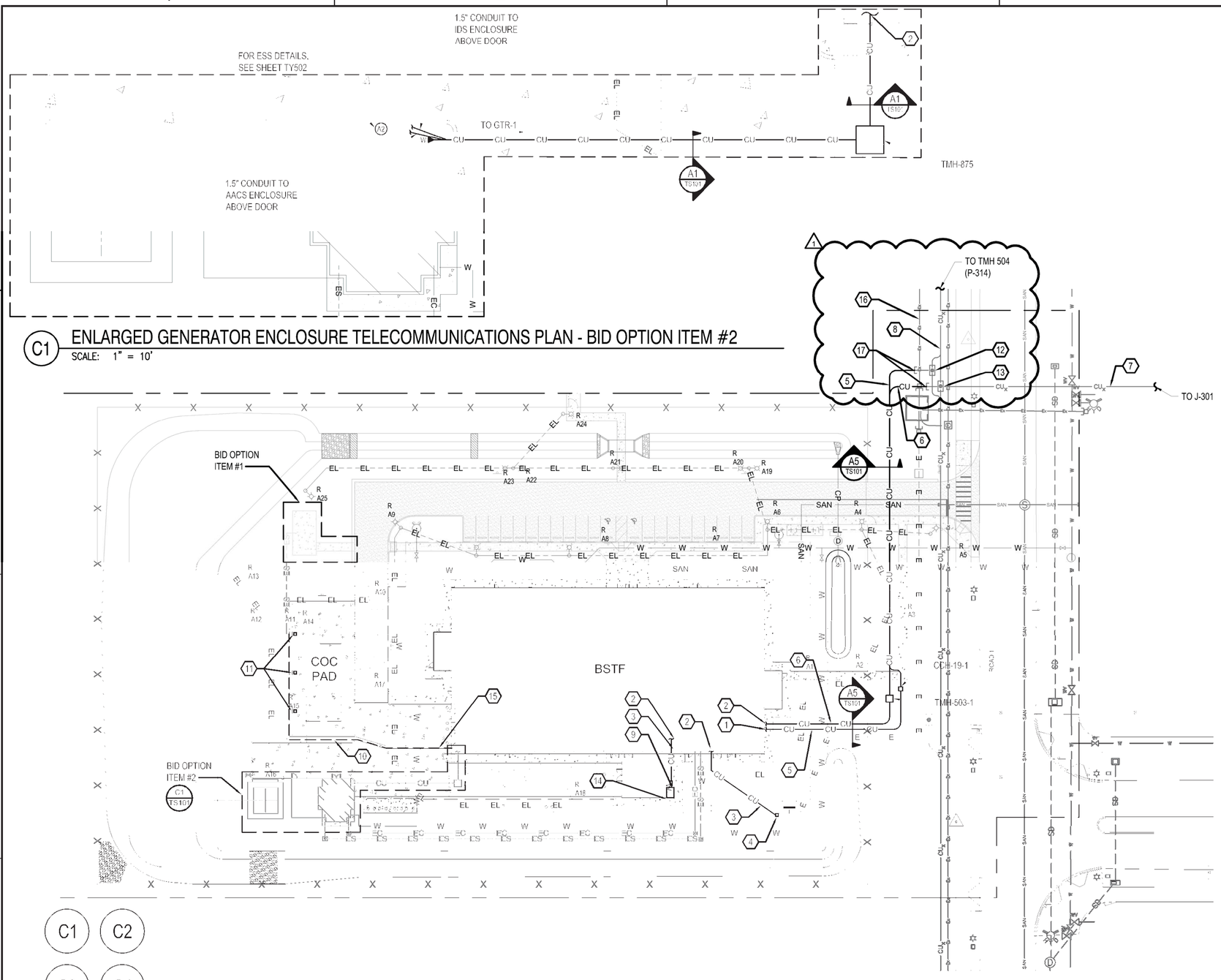

C1 ENLARGED GENERATOR ENCLOSURE TELECOMMUNICATIONS PLAN - BID OPTION ITEM #2

SCALE: 1" = 10'

C1 - 1.5" CONDUIT WITH PULL STRING FOR IDS
C2 - 1.5" CONDUIT WITH PULL STRING FOR AACS
C3 - 1.5" CONDUIT WITH PULL STRING SPARE
C4 - 1" CONDUIT WITH 1- CAT6 CABLE

A1 SECTION

SCALE: NTS

A2 TELECOMMUNICATIONS SITE PLAN

SCALE: 1" = 40'

NORTH

1"=40' 0' 40' 80'

GENERAL NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE SHEET T-001.
2. FOR TELECOMMUNICATIONS PLANS SEE TN101 THRU TN112
3. FOR TELECOMMUNICATIONS ROOM ENLARGED FLOOR PLANS SEE SHEETS TN401 THRU TN403.
4. FOR TELECOMMUNICATION SITE DETAILS SEE SHEETS TS501 THRU TS503.
5. FOR TELECOMMUNICATIONS RISER DIAGRAM SEE SHEET TN601.
6. ALL WORK IN EXISTING TMHs AND EXISTING DUCTBANKS MUST BE COORDINATED WITH NCTS, INCLUDING WHICH INNERDUT THE NEW CABLING MUST BE INSTALLED IN.

(X) KEY NOTES:

1. CONNECT TO COMMERCIAL TELECOM ROOM CTR-1
2. CONNECT TO GOVERNMENT TELECOM ROOM GTR-1
3. 5-CAT 6 CABLES IN 2" CONDUIT
4. AMI ELECTRIC METER ICS ENCLOSURE AND VENDOR ACCESS PORT.
5. 2-4" CONDUITS
6. 4-4" CONDUITS
   2-144 STR FO CABLES
   1-200 PR CU CABLE
   1-50 PR CU CABLE
   1-24 STR FO CABLE TO P-314
   1-24 STR FO CABLE TO J-301
7. 1-24 STR FO CABLE TO J-301 IN EXISTING DUCTBANK (SEE NOTE 6)
8. 1-24 STR FO CABLE TO P-314 IN EXISTING DUCTBANK (SEE NOTE 6)
9. AMI WATER METER ICS ENCLOSURE AND VENDOR ACCESS PORT.
10. U-TRENCH - 3-12 STR FO CABLES, 1-12 STR FO CABLE TO EACH PEDASTAL. SEE CS DETAILS FOR U-TRENCH DETAILS
11. COC PAD ENCLOSER WITH FIBER TO COPPER MEDIA CONVERTOR AND A 4 PORT CAT6A OUTLET. SEE SHEET TS501 FOR DETAILS
12. EXISTING CHH-19
13. EXISTING TMH-503. PROVIDE A 100' MAINTENANCE LOOP FOR THE 2-144 STR FO CABLES, 1-200 PR CU CABLE, AND 1-50 PR CU CABLE AND THEN TERMINATE IN EXISTING SPLICE CASE. (SEE NOTE 6)
14. WATER METER VAULT
15. SEE SHEET TN102 FOR TRENCH CONTINUATION
16. EXISTING ELECTRICAL DUCTBANK.
17. CONTRACTOR MUST FIND AND CONNECT TO EXISTING CONDUIT STUB OUTS FROM CHH-19 AND TMH-503. CONTRACTOR MUST USE CAUTION WHEN DIGGING IN THE VICINITY OF THE CONDUIT STUB OUTS TO AVOID DAMAGE TO EXISTING UTILITIES IN THE AREA.

C1 - 144 STR FO CABLE (ADN 1)
24 STR FO CABLE (J-301)

C2 - 144 STR FO CABLE (ADN 2)
24 STR FO CABLE (P-314)

C3 - CC

C4 - 50 PR CU CABLE (ADN 1)

C5 - 200 PR CU CABLE (ADN 2)

C6 - CC

A5 SECTION

SCALE: NTS

GEORGE G. GARDNER CERTIFICATE No.1495 ELECTRICAL EXP. 04/30/2027 GUAM PROFESSIONAL ENGINEER

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi Gregory Reynolds BICSI ID # 222731 EXPIRES 12-31-26 RCDD SEAL

1	TELECOM UTILITY UPDATES 04/27/2026

NAVFAC

ASMD LLC

AS BUILT DATE: 05/22/2026

NATHANIEL PYRON, MILCON PLANNER, DPPH

CONSTRUCTION TO DATE 3 10 2026

DES.	GR	DWN.	ZM
CHK.	RSG		
CHK'D	DKS/DMK		
REVISED/DRAWN	KYM		
QUALITY REVIEWED	KYM		
QA PERFORMED	JC		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

TELECOM SITE PLAN

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322267
SHEET	492 OF 468

TS101

DRAWFORM REVISION: 25 AUGUST 2020

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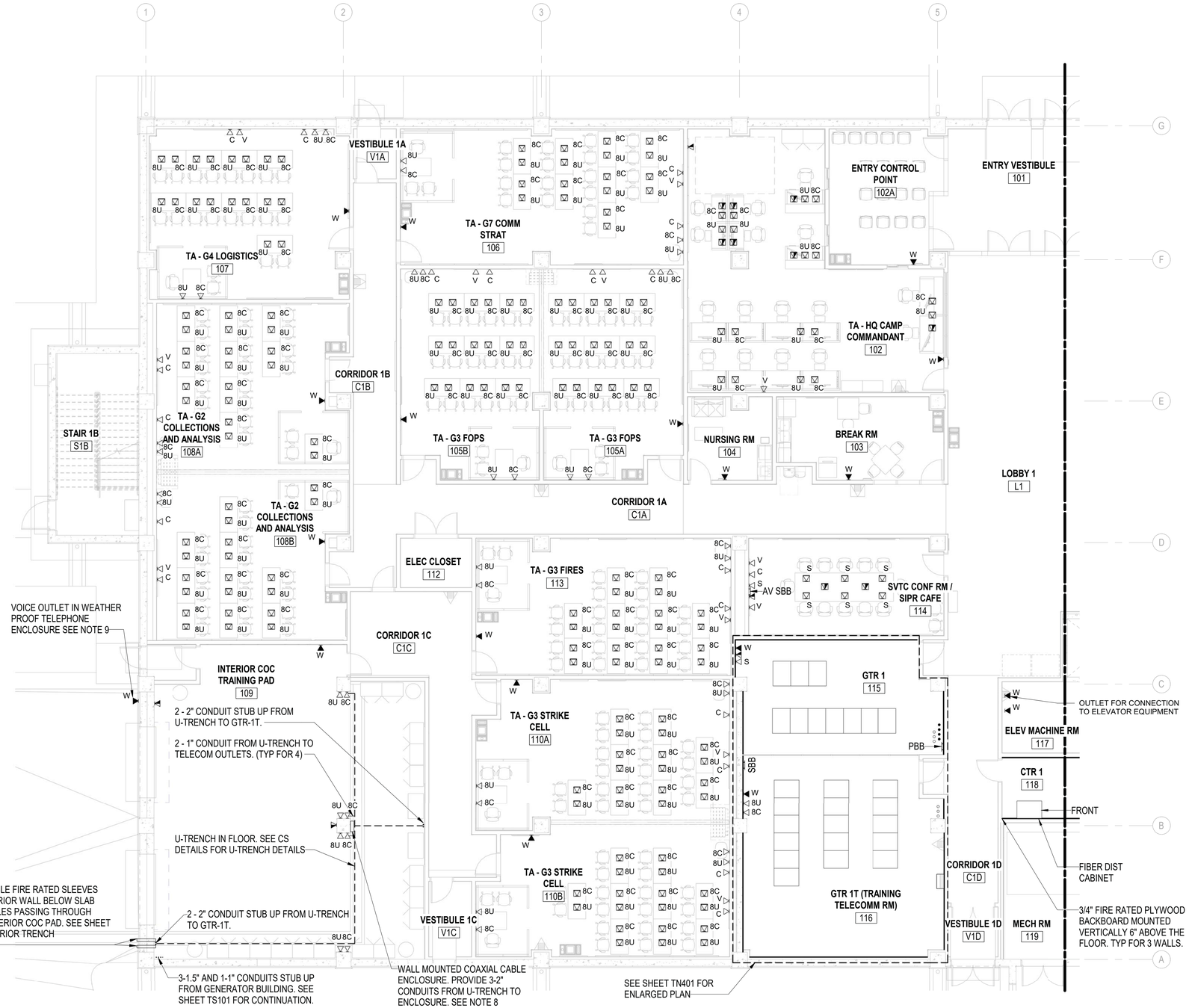


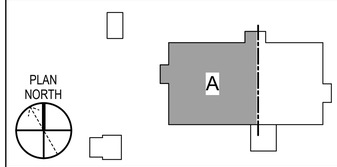
A2 PARTIAL PLAN - TELECOMMUNICATIONS - FIRST FLOOR - AREA 'A'

1/8" = 1'-0"

GENERAL NOTES

1. FOR TELECOM LEGEND SEE SHEET T-001.
2. FOR GTR ENLARGED PLANS SEE SHEETS TN401 THRU TN402.
3. FOR TELECOM DETAILS SEE SHEETS TN500 THRU TN507.
4. FOR RISER DIAGRAMS SEE SHEETS TN601 THRU TN604.
5. FOR CABLE TRAY PLANS SEE SHEETS TN110 THRU TN111.
6. TELECOM CABLES, RACEWAY, OUTLETS AND EQUIPMENT FOR CLASS (RED) AND UNCLASS (BLACK) NETWORKS MUST MEET THE SEPERATION REQUIREMENTS IN CNSSAM TEMPEST/01-13. MINIMUM CABLE SEPERATION MUST BE 2". MINIMUM UNCLASS CABLE TO CLASS EQUIPMENT MUST BE 20".
7. MOUNT TELECOM VOICE AND DATA OUTLETS BEHIND CREDENZA AND CENTER THE AV SBB BEHIND CREDENZA. CLOCK AND VIDEO OUTLETS MUST BE MOUNTED ABOVE THE CREDENZA. SEE AV DRAWINGS FOR DETAILS.
8. PROVIDE NEMA 1 WALL MOUNTED COAXIAL CABLE ENCLOSURE. ENCLOSURE MUST INCLUDE A 2RU, 24 PORT COAXIAL PATCH PANEL. THE PATCH PANEL MUST INCLUDE 6-QN TYPE FEMALE COAXIAL CONNECTORS, 3-N TYPE FEMALE COAXIAL CONNECTORS, AND 3 BNC TYPE FEMALE COAXIAL CONNECTORS. COAXIAL CABLE MUST BE 50 OHM, LOW LOSS, WITH CORRUGATED COPPER OUTER CONDUCTOR, RATED FOR INTERIOR OR DIRECT BURIAL OR OUTDOOR USE AND MEET OR EXCEED THE REQUIREMENTS OF MIL-DTL-17. SEE SHEET TN604 FOR RISER DIAGRAM.
9. PROVIDE NEMA 4X WEATHER PROOF, CORROSION PROOF, WALL MOUNTED TELEPHONE ENCLOSURE. ENCLOSURE MUST BE MINIMUM 10" WIDE X 14" HIGH X 10" DEEP. ENCLOSURE DOOR MUST BE HINGED AND INCLUDE A LATCH FOR SECURING THE DOOR. ENCLOSURE MUST CONTAIN BACKPLATE FOR MOUNTING OUTLET AND TELEPHONE. MOUNT ENCLOSURE 48" TO CENTER FROM FINISHED GRADE.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0"

0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED TELECOM NOTES	4/27/26	

NAVFAC

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Gregory Reynolds
BICSI ID # 222731
EXPIRES 12-31-28
RCDD

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	GER	DRW	IRZ	CHK	RSG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

GEORGE G. GARDNER PE LICENSED PROFESSIONAL ENGINEER
9/22/2026

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MAKALAPA, HAWAII
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC

MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

PARTIAL PLAN - TELECOMMUNICATIONS - FIRST FLOOR - AREA 'A'

SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322272
SHEET	402 OF 468

TN102

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 6:12:42 PM TN102
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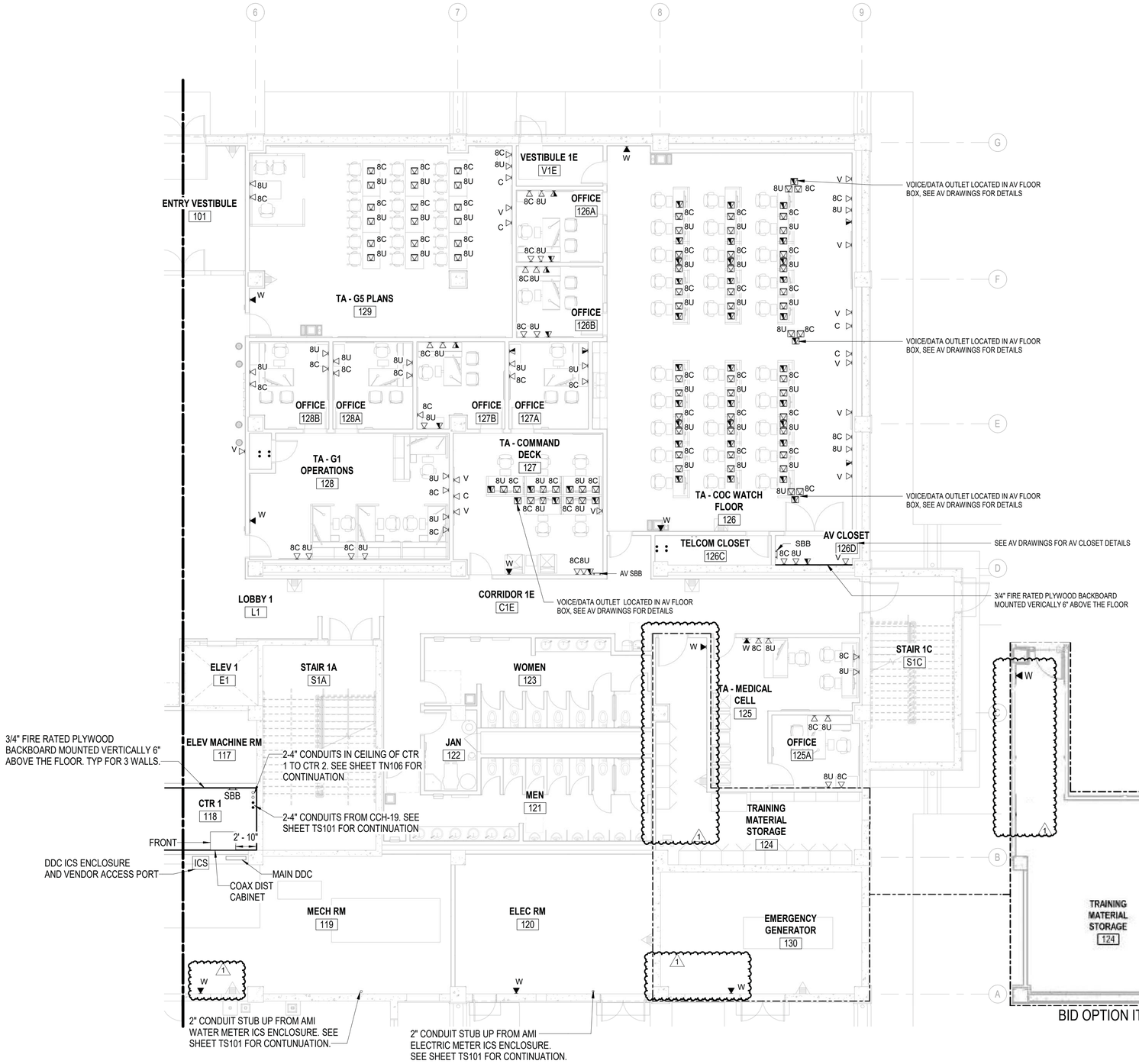

A2 PARTIAL PLAN - TELECOMMUNICATIONS - FIRST FLOOR - AREA 'B'

1/8" = 1'-0"

GENERAL NOTES

1. FOR TELECOM LEGEND SEE SHEET T-001.
2. FOR GTR ENLARGED PLANS SEE SHEETS TN401 THRU TN402.
3. FOR TELECOM DETAILS SEE SHEETS TN500 THRU TN507.
4. FOR RISER DIAGRAMS SEE SHEETS TN601 THRU TN604.
5. FOR CABLE TRAY PLANS SEE SHEETS TN110 THRU TN111.
6. TELECOM CABLES, RACEWAY, OUTLETS AND EQUIPMENT FOR CLASS (RED) AND UNCLASS (BLACK) NETWORKS MUST MEET THE SEPERATION REQUIREMENTS IN CNSSAM TEMPEST/01-13. MINIMUM CABLE SEPERATION MUST BE 2". MINIMUM UNCLASS CABLE TO CLASS EQUIPMENT MUST BE 20".

SYM	DESCRIPTION	DATE	APPR
1	REVISED TELECOM PLANS	4/27/26	

NAVFAC

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Gregory Reynolds
BICSI ID # 222731
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A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

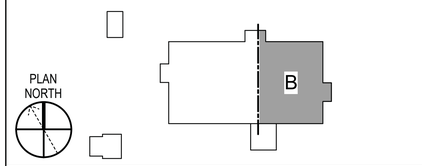
SATISFACTORY TO DATE 3/10/2026

DES	GER	DRW	IRZ	CHK	RSG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

LICENSED PROFESSIONAL ENGINEER
GEORGE G. GARDNER
PH126
5/27/2026

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
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MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

PARTIAL PLAN - TELECOMMUNICATIONS - FIRST FLOOR - AREA 'B'

SCALE:	As indicated
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322273
SHEET	403 OF 468

TN103

DRAWFORM REVISION: 25 AUGUST 2020

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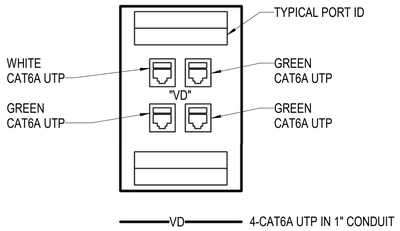
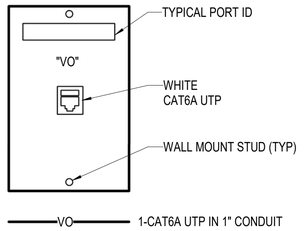


VOICE/DATA OUTLET
SCALE: NONE



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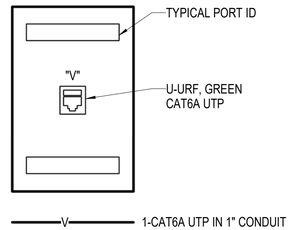
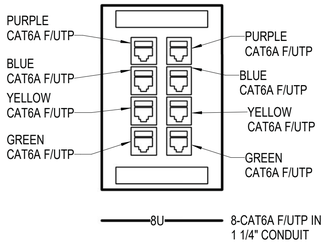
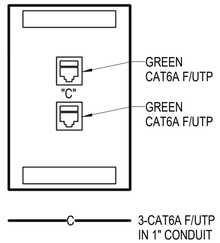


VIDEO OUTLET
SCALE: NONE

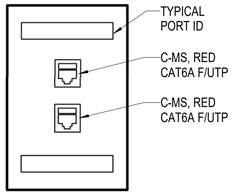


TRAINING OUTLET
SCALE: NONE

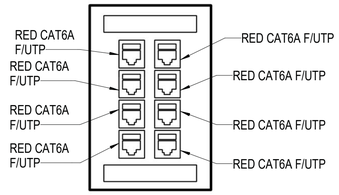


CLOCK OUTLET
SCALE: NONE

C2 UNCLASS TELECOMMUNICATIONS OUTLETS
SCALE: NONE

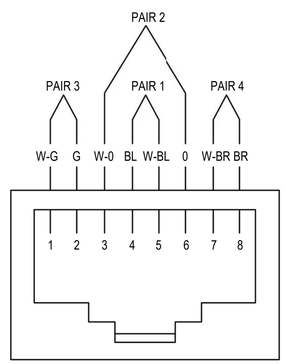


SIPR OUTLET
SCALE: NONE



TRAINING OUTLET
SCALE: NONE

A1 CLASS TELECOMMUNICATIONS OUTLETS
SCALE: NONE



CAT6A T568A WIRE TERMINATION LEGEND	
PIN NO.	WIRE COLOR
1	WHITE/GREEN
2	GREEN
3	WHITE/ORANGE
4	BLUE
5	WHITE/BLUE
6	ORANGE
7	WHITE/BROWN
8	BROWN

A2 RJ45 8 PIN MODULAR CONNECTOR T568A
SCALE: NONE

GENERAL NOTES

1. CABLE JACKET COLOR MUST MATCH PORT COLOR.
2. FOR GENERAL NOTES, LEGENDS, ABBREVIATIONS AND SYMBOLS, SEE SHEET T-001.
3. FOR TELECOMMUNICATION FLOOR PLANS, SEE SHEETS TN101 THRU TN106.
4. FOR TELECOMMUNICATIONS DETAILS, SEE SHEET TN501 THRU TN507.
5. FOR TELECOMMUNICATIONS RISER DIAGRAM, SEE SHEET TN601 THRU TN604.
6. CONDUITS BETWEEN CABLE TRAYS AND TELECOM OUTLET BOXES MUST NOT EXCEED 100' OR 2-90 DEGREE BENDS. PROVIDE ADDITIONAL PULLBOXES AS NEEDED.
7. TELECOM CABLES, RACEWAY, OUTLETS, AND EQUIPMENT FOR CLASS (RED) AND UNCLASS (BLACK) NETWORKS MUST MEET THE SEPERATION REQUIREMENTS IN CNSSAM TEMPEST/01-13. MINIMUM CABLE SEPARATION MUST BE 2". MINIMUM UNCLASS CABLE TO CLASS EQUIPMENT MUST BE 20".
8. CABLE COLOR CODE USAGE AND OUTLET LABELING MUST MEET THE REQUIREMENTS OF THE GUAM C4IT LABELING SCHEME.

SYM	DESCRIPTION	DATE	APPR
1	REVISED TELECOM NOTES & DETAILS	4/27/26	

NAVFAC

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Gregory Reynolds
BICSI ID # 222731
EXPIRES 12-31-26
RCDD

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	GER	DRW	IRZ	CHK	RSG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
TELECOMMUNICATIONS DETAILS - SHEET 3

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322287
SHEET 417 OF 468

TN502

DRAWFORM REVISION: 25 AUGUST 2020

LICENSED PROFESSIONAL ENGINEER
GEORGE G. GARDNER
P14159
4/30/2026

4/30/2026 11:24:49 AM TN502
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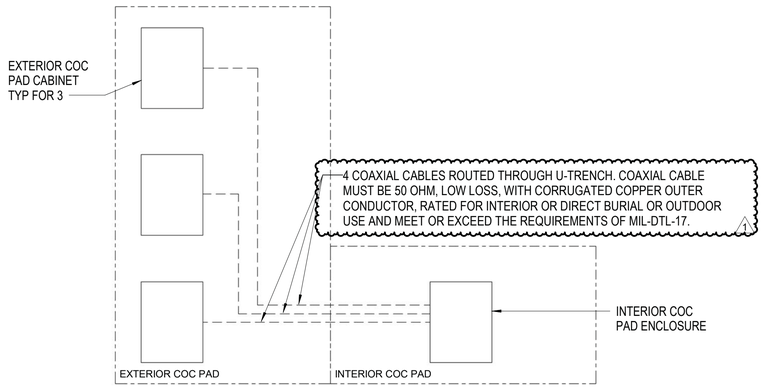
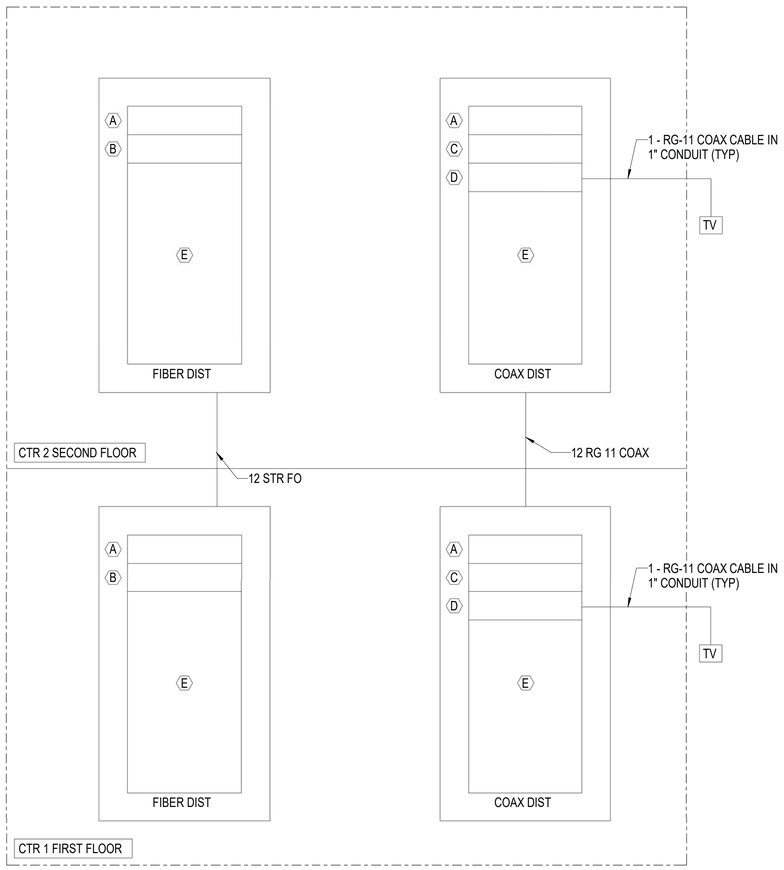


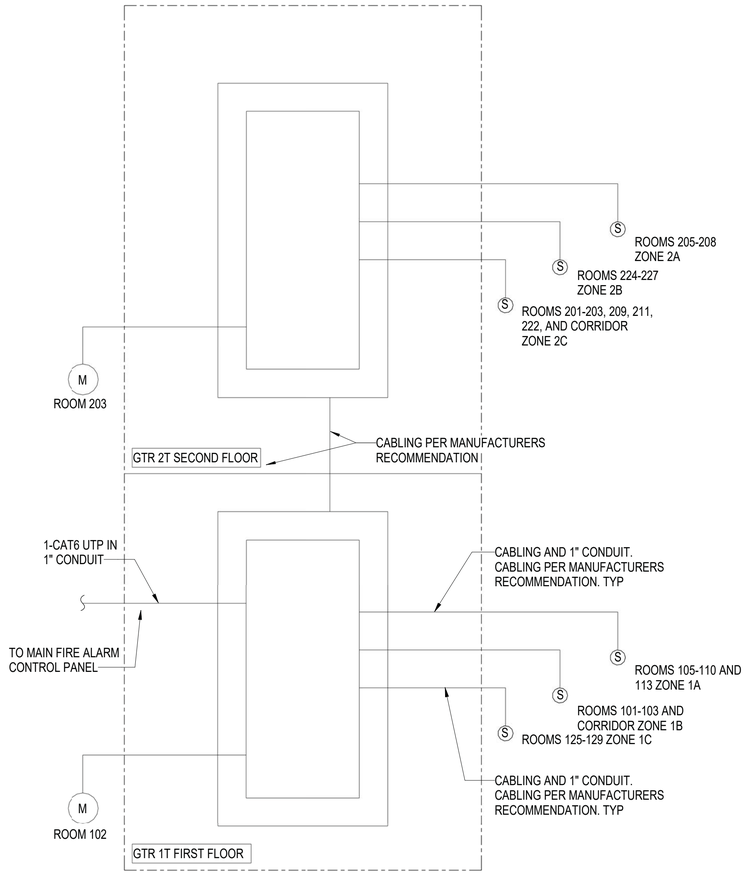
C1 COC PAD COAX RISER DIAGRAM

NOT TO SCALE



A1 COMMERCIAL RISER DIAGRAM

NOT TO SCALE



A3 PA RISER DIAGRAM

NOT TO SCALE

GENERAL NOTES

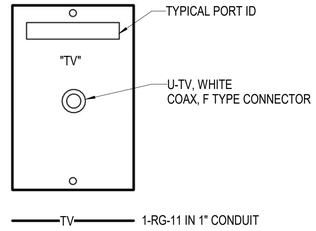
1. ALL CATV CABLES MUST BE INSTALLED IN CONDUIT OR CABLE TRAY.
2. FOR TELECOM LEGEND SEE SHEET T-001.
3. FOR SPECIAL SYSTEM FLOOR PLANS SEE SHEETS TY101 THRU TY104.
4. FOR TELECOM DETAILS SEE SHEETS TN501 THRU TN507.
5. TELECOM CABLES, RACEWAY, OUTLETS AND EQUIPMENT FOR CLASS (RED) AND UNCLASS (BLACK) NETWORKS MUST MEET THE SEPARATION REQUIREMENTS IN CNSSAM TEMPEST/01-13. MINIMUM CABLE SEPARATION MUST BE 2". MINIMUM UNCLASS CABLE TO CLASS EQUIPMENT MUST BE 20".

COMMERCIAL EQUIPMENT CABINET LEGEND

A. 2RU BLANK
B. 2RU 24 STR FO PP
C. 2RU 24 PORT RG-11 COAX PP
D. 2RU 24 PORT RG-6 COAX PP
E. SPACE

PA SYSTEM REQUIREMENTS

1. PROVIDE A NEW, COMPLETE, PUBLIC ADDRESS SYSTEM FOR THE J875 FACILITY. PROVIDE A TURNKEY PA SYSTEM CAPABLE OF RECEIVING, PROCCESSING, AND TRANSMITTING INPUT SIGNALS INCLUDING SYSTEM WIRING, RACEWAYS, PULL BOXES, CABINETS, MOUNTING BOXES, CONTROL EQUIPMENT, AMPLIFIERS, MIXERS, MICROPHONES, SPEAKERS, MOUNTING HARDWARE, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL PA SYSTEM EVEN THOUGHT NOT SPECIFICALLY MENTIONED OR DESCRIBED. PROVIDE A COMPLETE AND READY FOR OPERATION SYSTEM THAT MEETS THE REQUIREMENTS BELOW AND SPECIFICATION 26 51 16.
2. SYSTEM FUNCTIONALITY:
   A. THE AUDIBLE SIGNAL MUST MEET THE INTELLIGIBILITY TESTING REQUIREMENTS OF ASA S3.2.
   B. PROVIDE HARDWIRED INTERFACE WITH THE FIRE ALARM SYSTEM AND MASS NOTIFICATION SYSTEM TO OVERRIDE THE PA SYSTEM WHEN THE FIRE ALARM SYSTEM OR MASS NOTIFICATION SYSTEM GOES INTO ALARM.
3. THE SPEAKER LAYOUT ON THE PLANS ARE PLACED TO SHOW THE AREAS THAT REQUIRE COVERAGE. THE FINAL QUANTITY AND LAYOUT MUST BE PROVIDED BY THE PA SYSTEM MANUFACTURER.
4. PROVIDE PA SYSTEM AND SPEAKER CABLING AS REQUIRED BY THE PA SYSTEM MANUFACTURER.



A5 CATV OUTLET

NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR
1	REVISED TELECOM PLANS	4/27/26	

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Gregory Reynolds
BICSI ID # 222731
EXPIRES 12-31-28
RCDD

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	GER	DRW	IRZ	CHK	RSG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

TELECOM RISER DIAGRAMS - SHEET 3

SCALE: NTS
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322296
SHEET 426 OF 468

TN604

DRAWFORM REVISION: 25 AUGUST 2020

LICENSED PROFESSIONAL ENGINEER
GEORGE G. GARDNER
P14126
5/27/2026

4/24/2026 6:12:34 PM TN604
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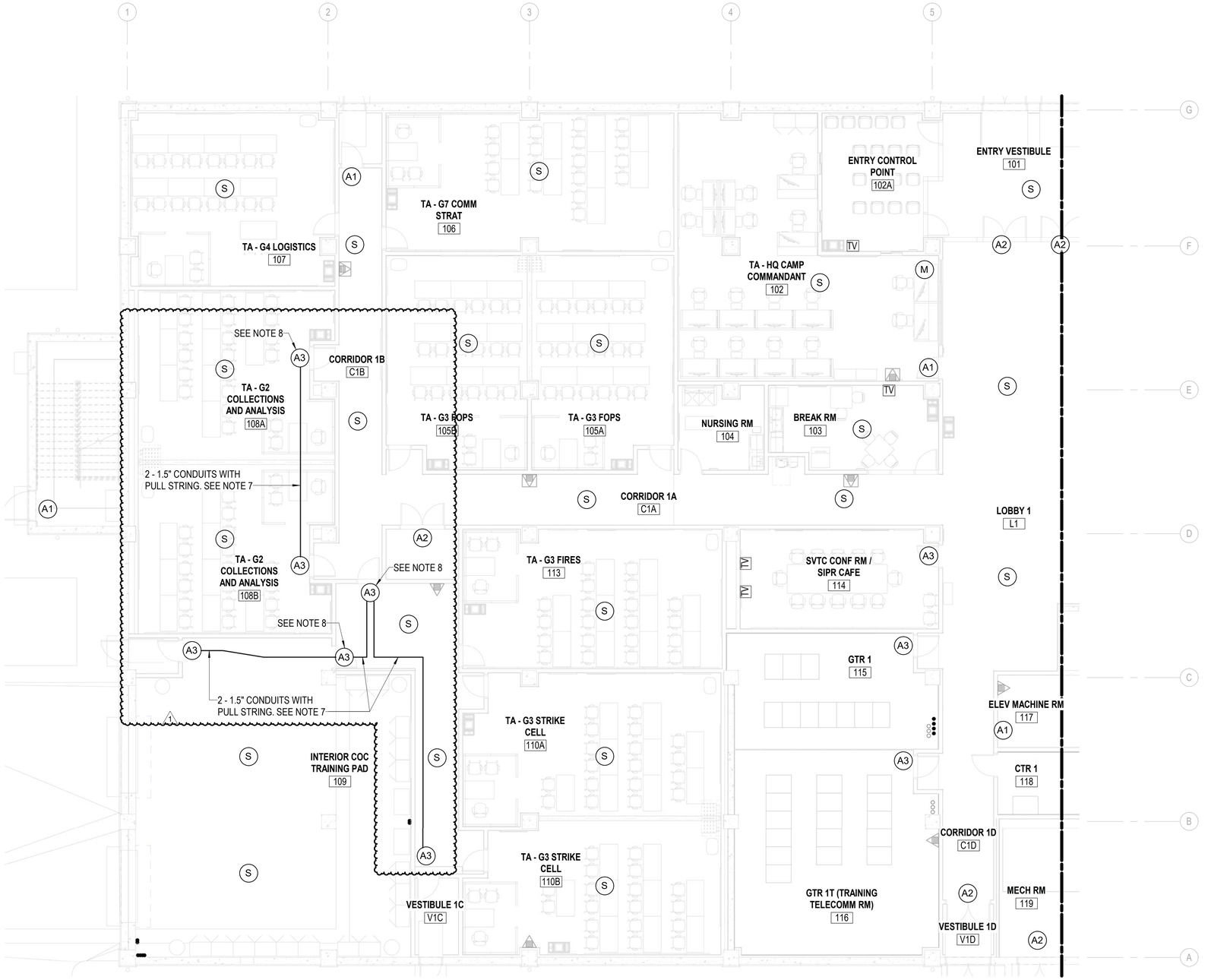


A2 SPECIAL SYSTEMS - FIRST FLOOR - AREA 'A'

1/8" = 1'-0"

GENERAL NOTES

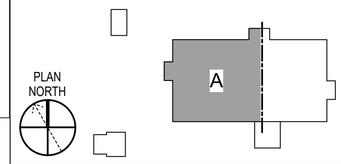
1. FOR TELECOM LEGEND SEE SHEET T-001.
2. FOR GTR ENLARGED PLANS SEE SHEETS TN401 THRU TN402.
3. FOR TELECOM DETAILS SEE SHEETS TN500 THRU TN507.
4. FOR RISER DIAGRAMS SEE SHEETS TN601 THRU TN604.
5. FOR CABLE TRAY PLANS SEE SHEETS TN110 THRU TN111.
6. FOR SPECIAL SYSTEMS DETAILS SEE SHEET TY501 AND TY502.
7. FOR SELECT ESS ENCLOSURES WITHIN A SECURE BOUNDARY THE CONDUITS MUST BE ROUTED TO THE MAIN DOOR OF THE SECURE BOUNDARY INSTEAD OF THE GTR GUTTER BOX.
8. MAIN DOOR OF SECURE BOUNDARY.

SYM	DESCRIPTION	DATE	APPR
1	REVISED TELECOM NOTES & PLANS	4/27/26	

ESS NOTES

A- ESS DOOR DETAIL DESIGNATION
- REPRESENTS DETAIL NUMBER.
LOCATION SHOWN ON SECURE SIDE OF DOOR.
FOR DETAILS SEE FOR SHEETS TY501 THRU TY502

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0"

0 5' 10' 15' 30'

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Gregory Reynolds
BICSI ID # 222731
EXPIRES 12-31-26
RCDD

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	GER	DRW	IRZ	CHK	RSG

PM/DM DKS/DMK
BRANCH MANAGER KYM
CHIEF ENG/ARCH KYM
FIRE PROTECTION RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
SPECIAL SYSTEMS - FIRST FLOOR - AREA 'A'

SCALE: 1/8" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322297
SHEET 427 OF 468

TY101

DRAWFORM REVISION: 25 AUGUST 2020

LICENSED PROFESSIONAL ENGINEER
GEORGE G. GARDNER
P14126
4/27/2026

4/24/2026 6:12:28 PM TY101
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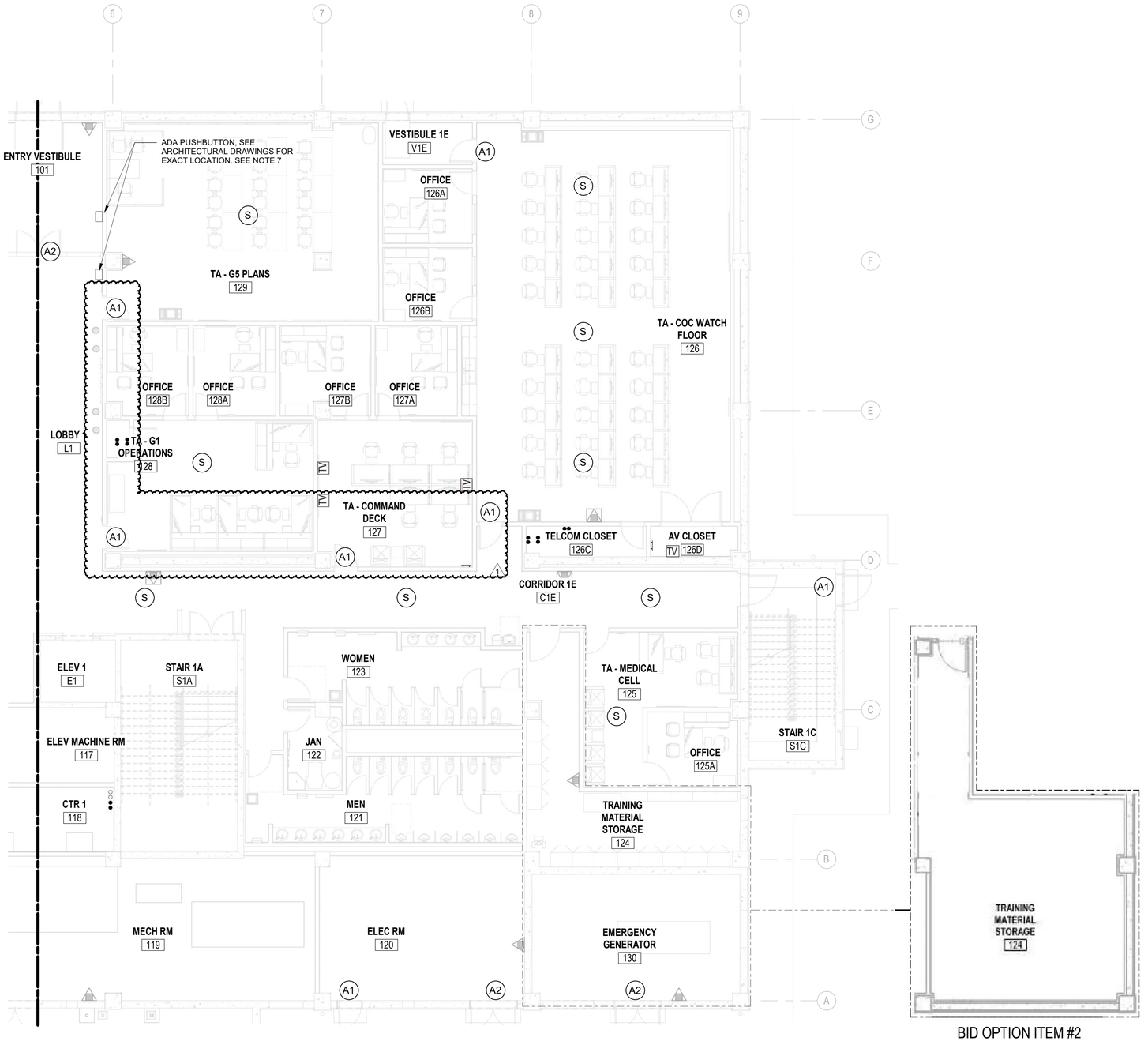


BID OPTION ITEM #2

A2 SPECIAL SYSTEM - FIRST FLOOR - AREA 'B'

1/8" = 1'-0"

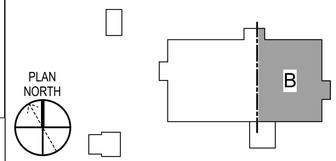
GENERAL NOTES

1. FOR TELECOM LEGEND SEE SHEET T-001.
2. FOR GTR ENLARGED PLANS SEE SHEETS TN401 THRU TN402.
3. FOR TELECOM DETAILS SEE SHEETS TN500 THRU TN507.
4. FOR RISER DIAGRAMS SEE SHEETS TN601 THRU TN604.
5. FOR CABLE TRAY PLANS SEE SHEETS TN110 THRU TN111.
6. FOR SPECIAL SYSTEMS DETAILS SEE SHEET TY501 AND TY502.
7. ROUTE ADA PUSHBUTTON INFRASTRUCTURE AND CABLING TO IDS AND AACS ENCLOSURES ABOVE DOOR 101D. PROVIDE A TERMINATION POINT AND A SERVICE LOOP OF 12" WITHIN THE AACS AND IDS ENCLOSURE FOR THE ADA PUSHBUTTON AND MOTOR CONTROL.

ESS NOTES

A- ESS DOOR DETAIL DESIGNATION
- REPRESENTS DETAIL NUMBER.
LOCATION SHOWN ON SECURE SIDE OF DOOR.
FOR DETAILS SEE FOR SHEETS TY501 THRU TY502

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0"

0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	REVISED TELECOM PLANS	4/27/26	

NAVFAC

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Gregory Reynolds
BICSI ID # 222731
EXPIRES 12-31-28
RCDD

ASMD L.L.C.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	GER	DRW	IRZ	CHK	RSG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII

U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

SPECIAL SYSTEM - FIRST FLOOR - AREA 'B'

SCALE: 1/8" = 1'-0"
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.
N62742-20-D-0001
NAVFAC DRAWING NO.
17322298
SHEET 428 OF 468

TY102

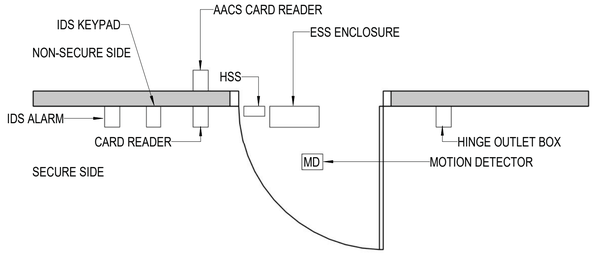
DRAWFORM REVISION: 25 AUGUST 2020

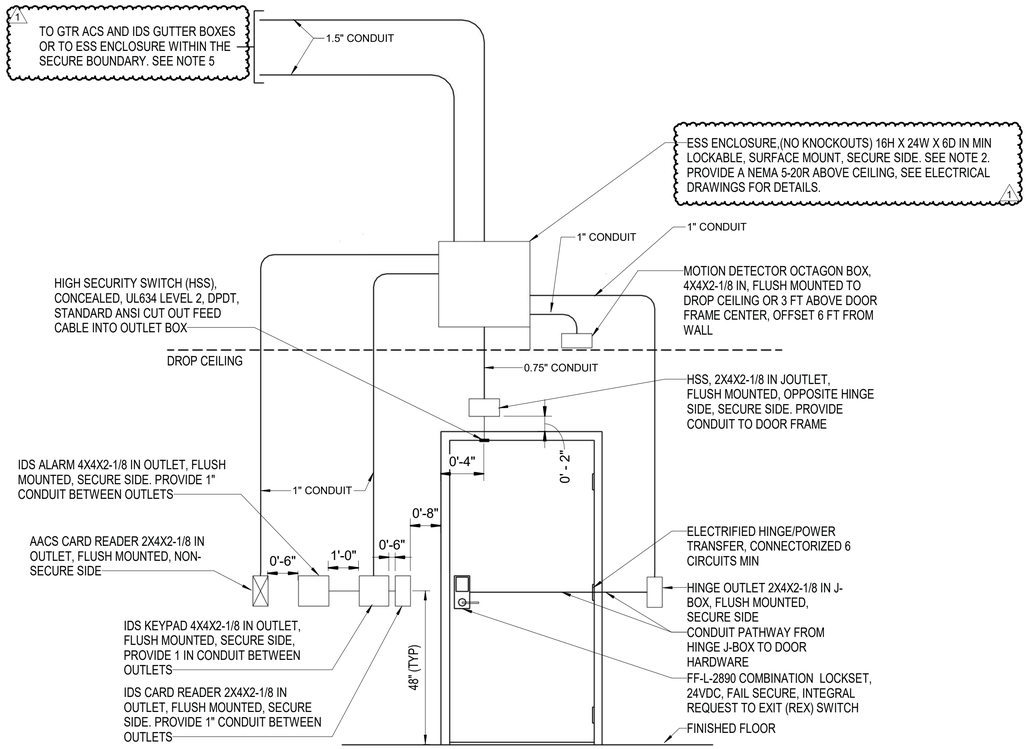
LICENSED PROFESSIONAL ENGINEER
GEORGE G. GARDNER
P14126
4/27/2026

4/24/2026 6:12:31 PM TY102
C:\REVIT_2024_PROJECT_FILES\BLDG-J-875-1696746-T_7542_Jon_Koenig.rvt

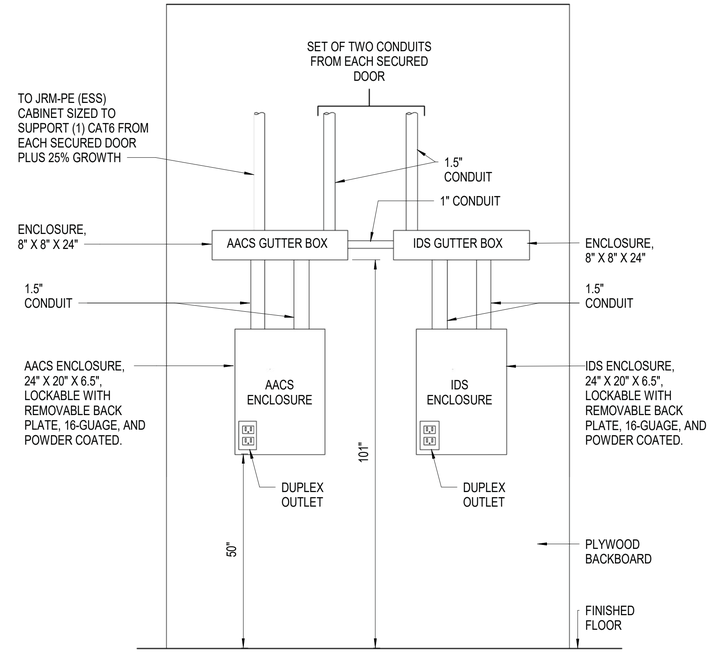
GENERAL NOTES

1. FOR THE ESS SYSTEMS ALL ACTIVE EQUIPMENT, INCLUDING BUT NOT LIMITED TO, SWITCHES, DEVICES, PCU'S, SERVERS, CAMERAS, RECORDERS, ECT WILL BE GFCI. ALL PASSIVE ESS EQUIPMENT, INCLUDING BUT NOT LIMITED TO, CONDUIT, BACKBONES, PULL STRINGS, CABLE TRAY, CABINETS, PATCH PANELS, ECT MUST BE PROVIDED BY THE J-875 CONTRACTOR.
2. ALL ESS ENCLOSURES MOUNTED ABOVE THE DOORS MUST HAVE A ALUMINUM MOUNTING PLATE AND THE PLATE MUST BE BONDED TO THE ESS ENCLOSURES.
3. PROVIDE PULL STRING IN ALL ESS CONDUITS
4. ALL ESS CONDUITS MUST BE GROUNDED.
1. 5. FOR SELECT ESS ENCLOSURES WITHIN A SECURE BOUNDARY THE CONDUITS MUST BE ROUTED TO THE MAIN DOOR OF THE SECURE BOUNDARY INSTEAD OF THE GTR GUTTER BOX. SEE TY SHEETS FOR CONDUITS ROUTED WITHIN THE SECURE BOUNDARIES.





A3 DETAIL A3 SINGLE DOOR, SECURE BOUNDARY - SECURE SIDE
SCALE: NONE



A4 ELECTRONIC SECURITY SYSTEM WALL ELEVATION IN GTR (TYPICAL)
SCALE: NONE

SYM	DESCRIPTION	DATE	APPR
1	REVISED TELECOM NOTES & DETAILS	4/27/26	

Registered Communications Distribution Designer
Bicsi
Gregory Reynolds
BICSI ID # 222731
EXPIRES 12-31-28
RCDD

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	GER	DRW	DAS	CHK	RSG

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
SPECIAL SYSTEMS DETAILS - SHEET 2

SCALE: 1 : 10
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322302
SHEET 432 OF 468

TY502

DRAWFORM REVISION: 25 AUGUST 2020

LICENSED PROFESSIONAL ENGINEER
GEORGE G. GARDNER
P14126
10/31/2026

4/24/2026 6:12:24 PM TY502
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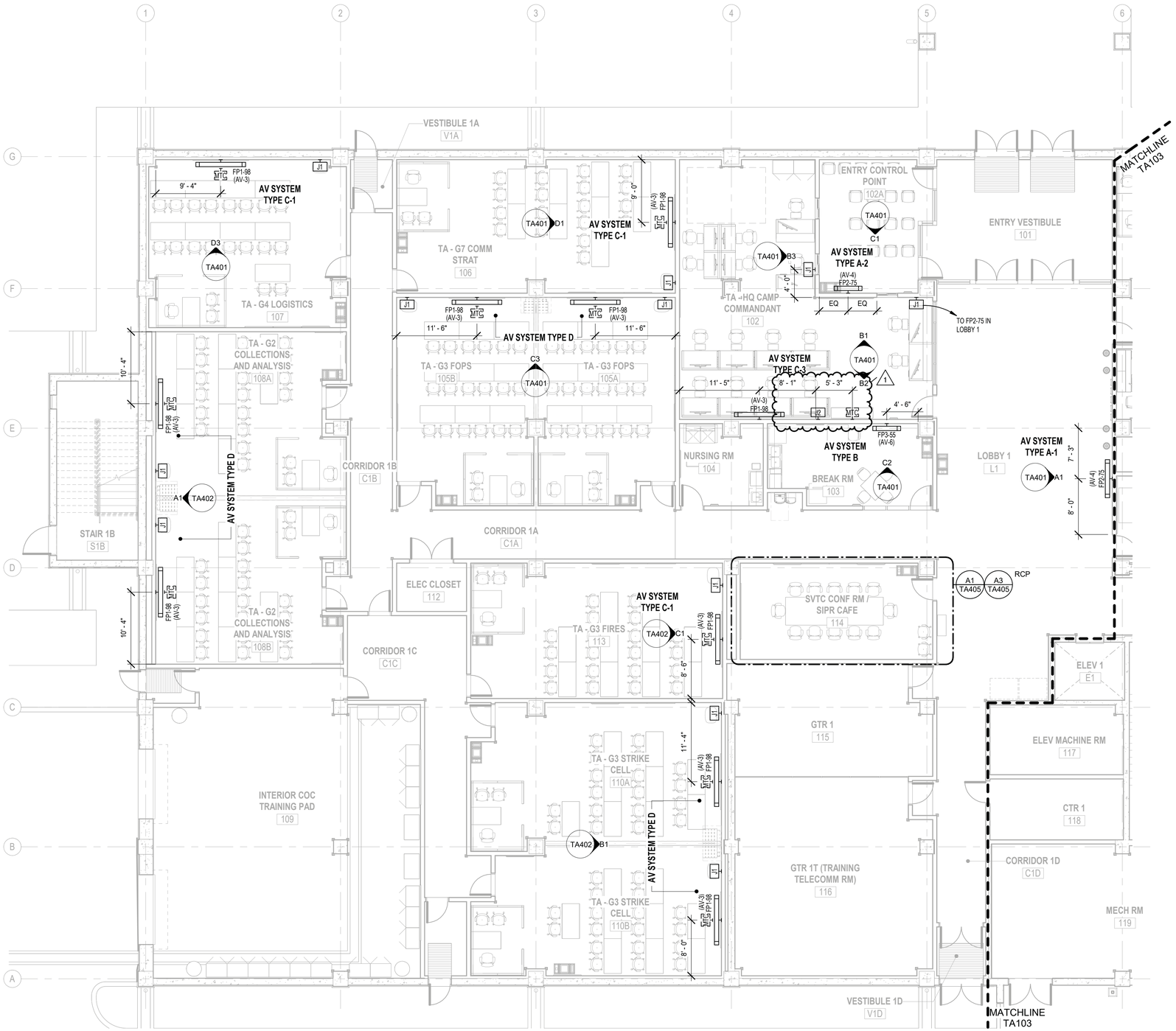


GENERAL SHEET NOTES

1. REFER TO TA001 & TA002 FOR AV REQUIREMENTS AND SYMBOLS SHOWN ON THESE DRAWINGS. WORK MUST BE PERFORMED IN COMPLIANCE WITH DIVISION 27 SPECIFICATIONS.
2. NOT ALL ARCHITECTURAL, TELECOM AND ELECTRICAL ELEMENTS HAVE BEEN INCLUDED ON THE DRAWINGS. CONTRACTOR MUST REFER TO THOSE RESPECTIVE DISCIPLINES' SHEETS FOR ADDITIONAL BUILDING-MOUNTED ELEMENTS AND SCOPE OF WORK THAT MAY INTERFACE WITH, OR IMPACT, THE AV SCOPE OF WORK.
3. CONDUIT RACEWAYS SHOWN ON PLAN AND RCP VIEWS ARE ONLY SHOWN IF A SPECIFIC ROUTE IS REQUIRED. REFER TO PATHWAY RISER DIAGRAMS FOR CONDUIT RACEWAY REQUIREMENTS. COORDINATE ROUTING AND ROOM ENTRY LOCATIONS FOR AV SYSTEMS CONDUIT AND PATHWAYS DURING SHOP DRAWING PROCESS.
4. VERIFY AND COORDINATE WALL SPACE REQUIREMENTS WITH OTHER TRADES DURING SHOP DRAWING PROCESS TO CONFIRM FINAL PLACEMENT OF AV ROUGH-IN'S AND EQUIPMENT.
5. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH VENDOR/INSTALLER.
6. REFER TO I-SERIES (INTERIOR DESIGN) DRAWINGS FOR FINAL DIMENSIONS OF:
   a. HORIZONTAL MOUNTING OF WALL-MOUNTED AV-EQUIPMENT
   b. POSITIONING OF AV-RELATED FURNITURE/FURNISHINGS. FOR AV EQUIPMENT CABINETS, REFER TO DIMENSIONS ON THE TA-SERIES DRAWINGS.

SYM	DESCRIPTION	DATE	APPR
1	ADD ELEC/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.
SIGNATURE EXPIRATION DATE OF LICENSE SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

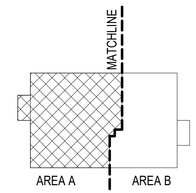
ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	PKD	DRW	DHC	CHK	PKD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

Certified Technology Specialist-Design CTS-D
Patrick Durham
#404250
Expires: 11/30/2027

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

PARTIAL AV FIRST FLOOR PLAN - A

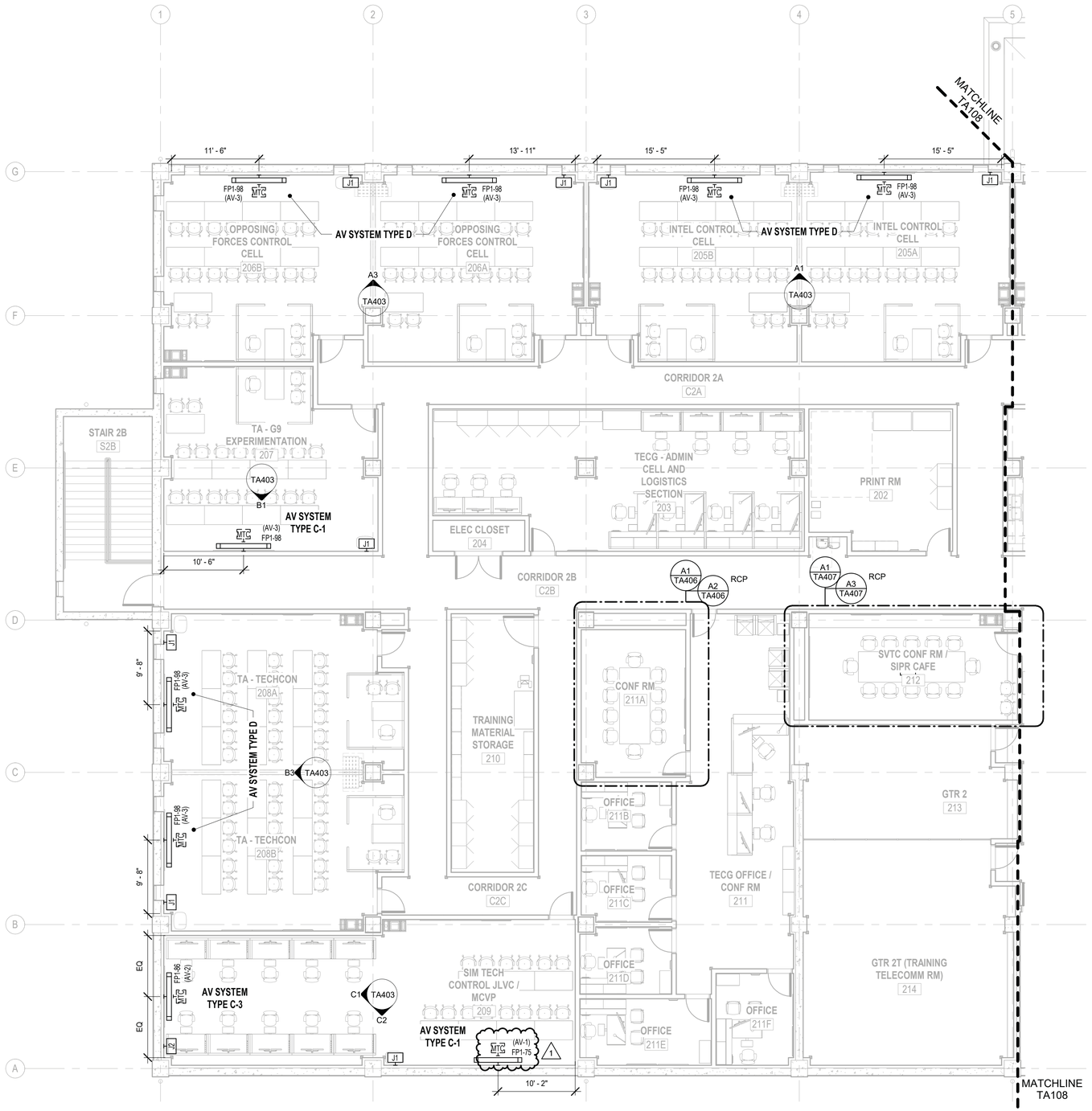
SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322329
SHEET	441 OF 468

TA102

DRAWFORM REVISION: 25 AUGUST 2020

A1 **AV SYSTEMS FIRST FLOOR PLAN - A**
1/8" = 1'-0"

4/24/2026 6:22:24 PM TA102
Autodesk Docs://J-875 BSTF/BLDG-J875-1696746-TA.rvt



A1 AV SYSTEMS SECOND FLOOR PLAN - A

1/8" = 1'-0"

GENERAL SHEET NOTES

1. REFER TO TA001 & TA002 FOR AV REQUIREMENTS AND SYMBOLS SHOWN ON THESE DRAWINGS. WORK MUST BE PERFORMED IN COMPLIANCE WITH DIVISION 27 SPECIFICATIONS.
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3. CONDUIT RACEWAYS SHOWN ON PLAN AND RCP VIEWS ARE ONLY SHOWN IF A SPECIFIC ROUTE IS REQUIRED. REFER TO PATHWAY RISER DIAGRAMS FOR CONDUIT RACEWAY REQUIREMENTS. COORDINATE ROUTING AND ROOM ENTRY LOCATIONS FOR AV SYSTEMS CONDUIT AND PATHWAYS DURING SHOP DRAWING PROCESS.
4. VERIFY AND COORDINATE WALL SPACE REQUIREMENTS WITH OTHER TRADES DURING SHOP DRAWING PROCESS TO CONFIRM FINAL PLACEMENT OF AV ROUGH-IN'S AND EQUIPMENT.
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   b. POSITIONING OF AV-RELATED FURNITURE/FURNISHINGS. FOR AV EQUIPMENT CABINETS, REFER TO DIMENSIONS ON THE TA-SERIES DRAWINGS.

SYM	DESCRIPTION	DATE	APPR
1	ADD ELECT/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.
SIGNATURE EXPIRATION DATE OF LICENSE SEAL
APRIL 30, 2028

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

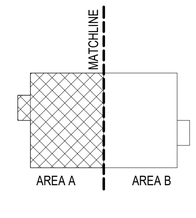
SATISFACTORY TO DATE 3/10/2026

DES	PKD	DRW	DHC	CHK	PKD

PMDM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

Certified Technology Specialist-Design
CTS-D
Patrick Durham
#404250
Expires:
11/30/2027

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0"
0 5' 10' 15' 30'

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

PARTIAL AV SECOND FLOOR PLAN - A

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322334
SHEET 446 OF 468

TA107

DRAWFORM REVISION: 25 AUGUST 2020

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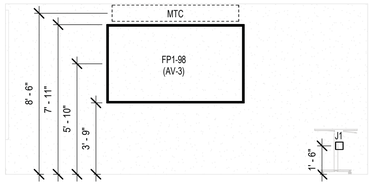
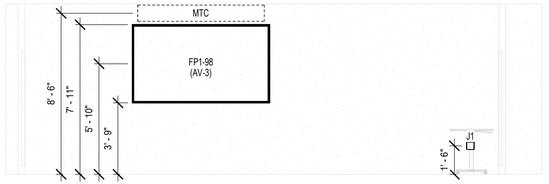
Autodesk Docs://J-875 BSTF/BLDG-J875-1696746-TA.rvt
TA107



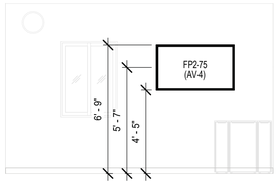
TA G7 COMM STRAT 106 (EAST)

D1 1/4" = 1'-0"



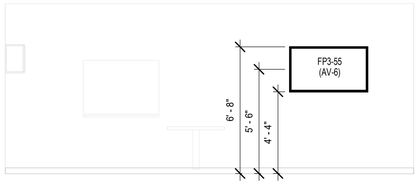
TA G4 LOGISTICS 107 (NORTH)

D3 1/4" = 1'-0"



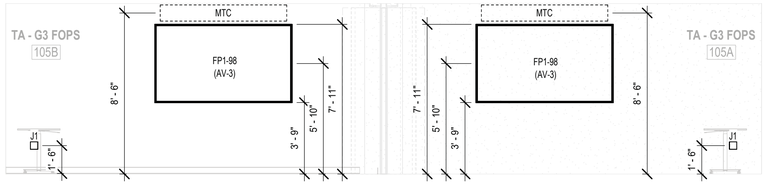
ENTRY CONTROL POINT 102A (SOUTH)

C1 1/4" = 1'-0"



BREAK ROOM 103 (NORTH)

C2 1/4" = 1'-0"

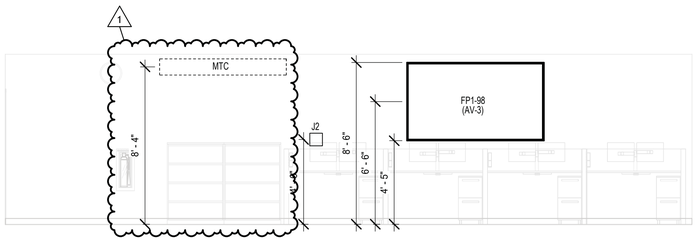


TA G3 FOPS ROOM 105A & 105B (NORTH)

C3 1/4" = 1'-0"

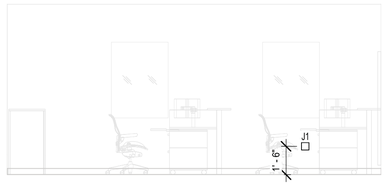
TA HQ CAMP COMMANDANT 102 (NORTH)

B1 1/4" = 1'-0"



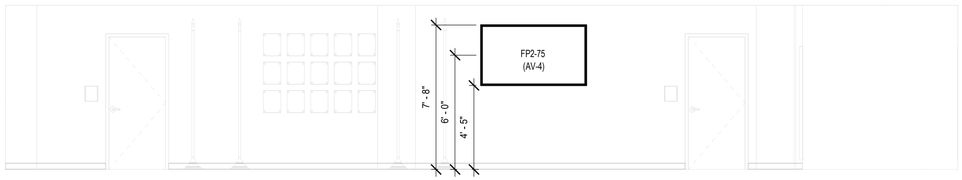
TA HQ CAMP COMMANDANT 102 (SOUTH)

B2 1/4" = 1'-0"



TA HQ CAMP COMMANDANT 102 (EAST)

B3 1/4" = 1'-0"



LOBBY 1 L1 (EAST)

A1 1/4" = 1'-0"

GENERAL SHEET NOTES

1. REFER TO TA001 & TA002 FOR AV REQUIREMENTS AND SYMBOLS SHOWN ON THESE DRAWINGS. WORK MUST BE PERFORMED IN COMPLIANCE WITH DIVISION 27 SPECIFICATIONS.
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3. VERIFY AND COORDINATE WALL SPACE REQUIREMENTS WITH OTHER TRADES DURING SHOP DRAWING PROCESS TO CONFIRM FINAL PLACEMENT OF AV ROUGH-IN'S AND EQUIPMENT.
4. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH VENDOR/INSTALLER.
5. REFER TO I-SERIES (INTERIOR DESIGN) DRAWINGS FOR FINAL DIMENSIONS OF:
   a. HORIZONTAL MOUNTING OF WALL-MOUNTED AV-EQUIPMENT
   b. POSITIONING OF AV-RELATED FURNITURE/FURNISHINGS. FOR AV EQUIPMENT CABINETS, REFER TO DIMENSIONS ON THE TA-SERIES DRAWINGS.
6. VIDEO MONITOR DISPLAYS AND MULTI-CLASSIFICATION DISPLAYS, THE DIMENSION SHOWN TO CENTER OF EQUIPMENT IS THE CRITICAL MOUNTING DIMENSION. WHERE SHOWN, THE DIMENSIONS FOR BOTTOM AND / OR TOP OF EQUIPMENT (REFERENCED TO FLOOR) ARE NOMINAL AND MAY VARY SOMEWHAT DEPENDING ON THE EXACT DIMENSIONS OF THE FINAL EQUIPMENT UNIT / MODEL PROVIDED.
7. WITHIN EACH ELEVATION VIEW, THE ROUGH-IN HEIGHT AND MOUNTING-HEIGHT DIMENSIONS THAT ARE SHOWN FOR ONE ELEMENT TYPE ARE TYPICAL, AND MUST BE APPLIED TO ALL ELEMENTS OF THE SAME TYPE WITHIN THE RESPECTIVE VIEW.

Certified Technology Specialist-Design
CTS-D
Patrick Durham
#404250
Expires:
11/30/2027
AVIXA

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADD ELEC/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.
SIGNATURE APRIL 30, 2028 EXPIRATION DATE OF LICENSE

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	PKD	DRW	DHC	CHK	PKD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

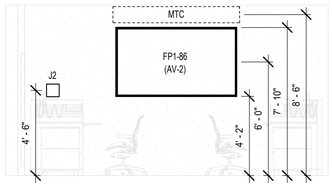
DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
AV INTERIOR ELEVATIONS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322338
SHEET 450 OF 468

TA401

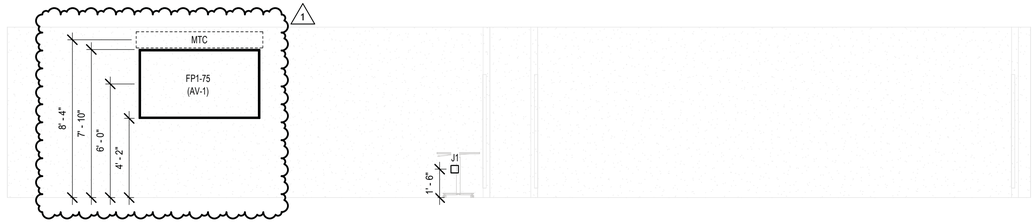
DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 6:22:33 PM TA401
Autodesk Docs://J-875 BSTF/BLDG-J-875-1696746-TA.rvt



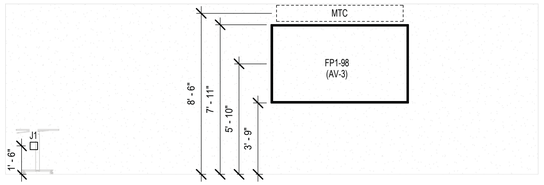
SIM TECH CONTROL JLVC / MCVP 209 (WEST)

C1 1/4" = 1'-0"



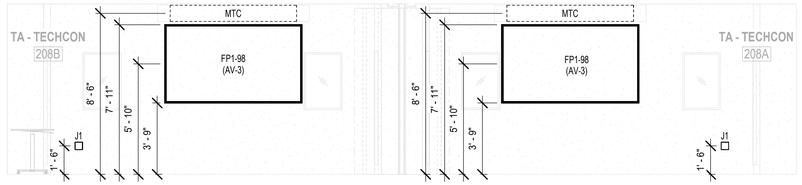
SIM TECH CONTROL JLVC / MCVP 209 (SOUTH)

C2 1/4" = 1'-0"



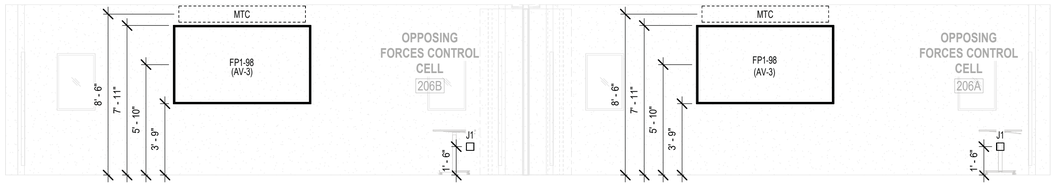
TA EXPERIMENTATION 207 (SOUTH)

B1 1/4" = 1'-0"



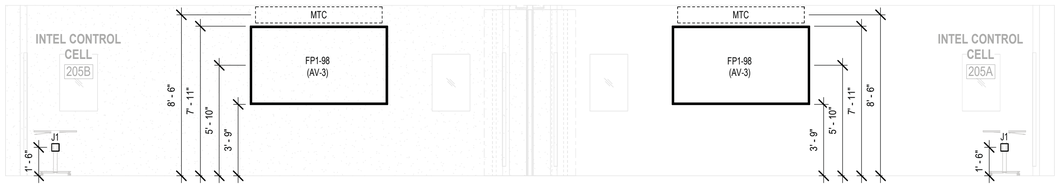
TA TECHCON 208A & 208B (WEST)

B3 1/4" = 1'-0"



OPPOSING FORCES CONTROL CELL 206A & 206B (NORTH)

A3 1/4" = 1'-0"



INTEL CONTROL CELL 205A & 205B (NORTH)

A1 1/4" = 1'-0"

GENERAL SHEET NOTES

1. REFER TO TA001 & TA002 FOR AV REQUIREMENTS AND SYMBOLS SHOWN ON THESE DRAWINGS. WORK MUST BE PERFORMED IN COMPLIANCE WITH DIVISION 27 SPECIFICATIONS.
2. NOT ALL ARCHITECTURAL, TELECOM AND ELECTRICAL ELEMENTS HAVE BEEN INCLUDED ON THE DRAWINGS, CONTRACTOR MUST REFER TO THOSE RESPECTIVE DISCIPLINES' SHEETS FOR ADDITIONAL BUILDING-MOUNTED ELEMENTS AND SCOPE OF WORK THAT MAY INTERFACE WITH, OR IMPACT, THE AV SCOPE OF WORK.
3. VERIFY AND COORDINATE WALL SPACE REQUIREMENTS WITH OTHER TRADES DURING SHOP DRAWING PROCESS TO CONFIRM FINAL PLACEMENT OF AV ROUGH-IN'S AND EQUIPMENT.
4. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH VENDOR/INSTALLER.
5. REFER TO I-SERIES (INTERIOR DESIGN) DRAWINGS FOR FINAL DIMENSIONS OF::
   a. HORIZONTAL MOUNTING OF WALL-MOUNTED AV-EQUIPMENT
   b. POSITIONING OF AV-RELATED FURNITURE/FURNISHINGS. FOR AV EQUIPMENT CABINETS, REFER TO DIMENSIONS ON THE TA-SERIES DRAWINGS.
6. VIDEO MONITOR DISPLAYS AND MULTI-CLASSIFICATION DISPLAYS, THE DIMENSION SHOWN TO CENTER OF EQUIPMENT IS THE CRITICAL MOUNTING DIMENSION. WHERE SHOWN, THE DIMENSIONS FOR BOTTOM AND / OR TOP OF EQUIPMENT (REFERENCED TO FLOOR) ARE NOMINAL AND MAY VARY SOMEWHAT DEPENDING ON THE EXACT DIMENSIONS OF THE FINAL EQUIPMENT UNIT / MODEL PROVIDED.
7. WITHIN EACH ELEVATION VIEW, THE ROUGH-IN HEIGHT AND MOUNTING-HEIGHT DIMENSIONS THAT ARE SHOWN FOR ONE ELEMENT TYPE ARE TYPICAL, AND MUST BE APPLIED TO ALL ELEMENTS OF THE SAME TYPE WITHIN THE RESPECTIVE VIEW.

Certified Technology Specialist-Design
CTS-D
Patrick Durham
#404250
Expires:
11/30/2027
AVIXA

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADD ELEC/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.

Patrick K. Durham APRIL 30, 2028
SIGNATURE EXPIRATION DATE OF LICENSE

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	PKD	DRW	DHC	CHK	PKD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

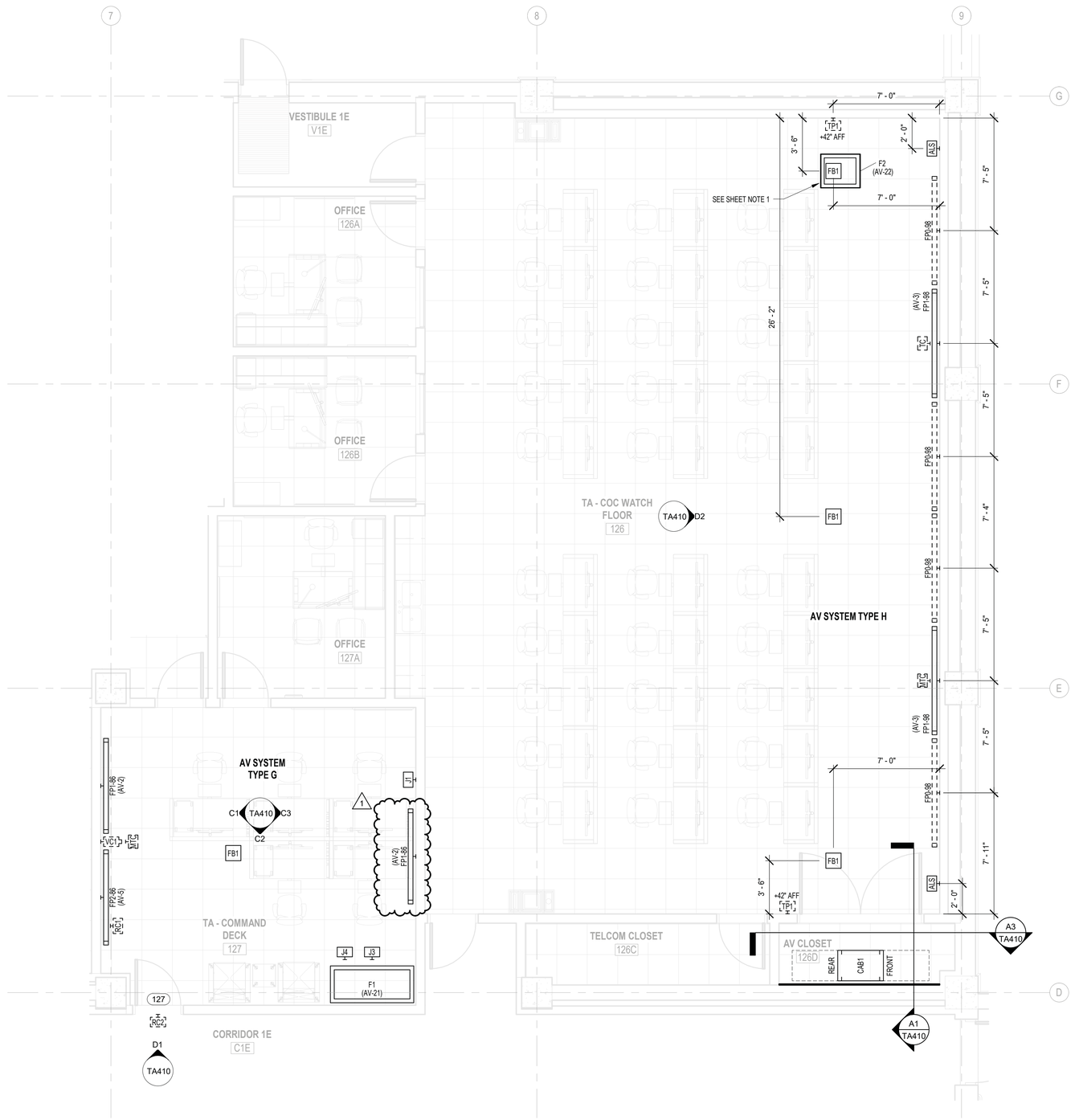
DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
AV INTERIOR ELEVATIONS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322340
SHEET 452 OF 468

TA403

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 6:22:33 PM TA403
Autodesk Docs://J-875 BSTF/BLDG-J-875-1696746-TA.rvt



ENLARGED AV FLOOR PLAN
TA COC WATCH FLOOR 126 & TA COMMAND DECK 127

A1

1/4" = 1'-0"

GENERAL SHEET NOTES

1. REFER TO TA001 & TA002 FOR AV REQUIREMENTS AND SYMBOLS SHOWN ON THESE DRAWINGS. WORK MUST BE PERFORMED IN COMPLIANCE WITH DIVISION 27 SPECIFICATIONS.
2. NOT ALL ARCHITECTURAL, TELECOM AND ELECTRICAL ELEMENTS HAVE BEEN INCLUDED ON THE DRAWINGS, CONTRACTOR MUST REFER TO THOSE RESPECTIVE DISCIPLINES' SHEETS FOR ADDITIONAL BUILDING-MOUNTED ELEMENTS AND SCOPE OF WORK THAT MAY INTERFACE WITH, OR IMPACT, THE AV SCOPE OF WORK.
3. CONDUIT RACEWAYS SHOWN ON PLAN AND RCP VIEWS ARE ONLY SHOWN IF A SPECIFIC ROUTE IS REQUIRED. REFER TO PATHWAY RISER DIAGRAMS FOR CONDUIT RACEWAY REQUIREMENTS. COORDINATE ROUTING AND ROOM ENTRY LOCATIONS FOR AV SYSTEMS CONDUIT AND PATHWAYS DURING SHOP DRAWING PROCESS.
4. VERIFY AND COORDINATE WALL SPACE REQUIREMENTS WITH OTHER TRADES DURING SHOP DRAWING PROCESS TO CONFIRM FINAL PLACEMENT OF AV ROUGH-INS AND EQUIPMENT.
5. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH VENDOR/INSTALLER.
6. REFER TO I-SERIES (INTERIOR DESIGN) DRAWINGS FOR FINAL DIMENSIONS OF:
   a. HORIZONTAL MOUNTING OF WALL-MOUNTED AV-EQUIPMENT
   b. POSITIONING OF AV-RELATED FURNITURE/FURNISHINGS. FOR AV EQUIPMENT CABINETS, REFER TO DIMENSIONS ON THE TA-SERIES DRAWINGS.

SHEET NOTES

1. PRESENTER LECTERN IS PORTABLE EQUIPMENT AND PLUGS INTO 1 OF 3 RECESSED FLOOR BOXES.

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	ADD ELECT/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.

SIGNATURE APRIL 30, 2028 EXPIRATION DATE OF LICENSE SEAL

ASMD LLC.

A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	PKD	DRW	DHC	CHK	PKD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

Certified Technology Specialist-Design
CTS-D
Patrick Durham
#404250
Expires:
11/30/2027

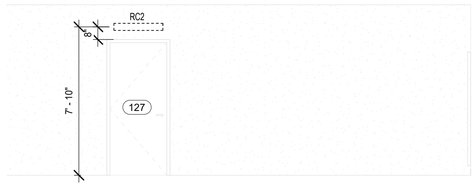
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
U.S. NAVSUPPACT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
ENLARGED AV PLANS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO.: N62742-20-D-0001
NAVFAC DRAWING NO.: 17322345
SHEET 457 OF 468

TA408

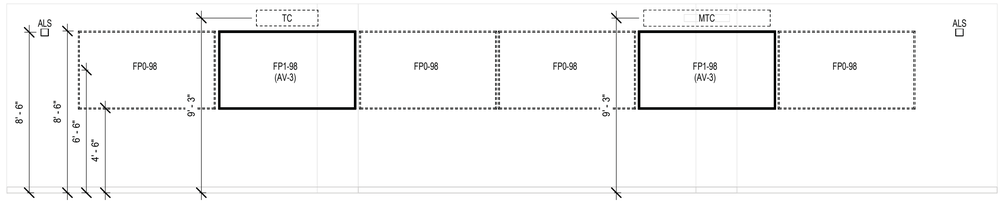
DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 6:22:35 PM
Autodesk Docs://J-875 BSTF/BLDG-J875-16996746-TA.rvt
TA408



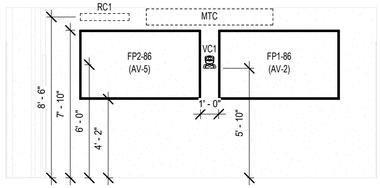
CORRIDOR 1E (NORTH)

D1 — 1/4" = 1'-0"



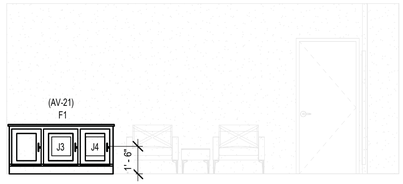
TA CONC WATCH FLOOR 126 (EAST)

D2 — 1/4" = 1'-0"



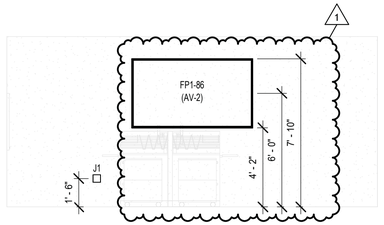
TA COMMAND DECK 127 (WEST)

C1 — 1/4" = 1'-0"



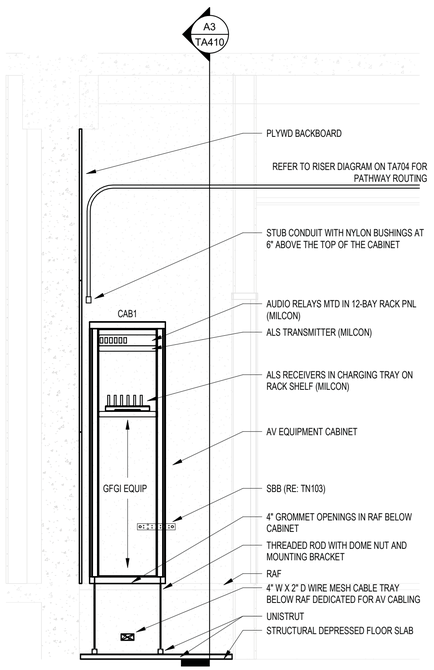
TA COMMAND DECK 127 (SOUTH)

C2 — 1/4" = 1'-0"



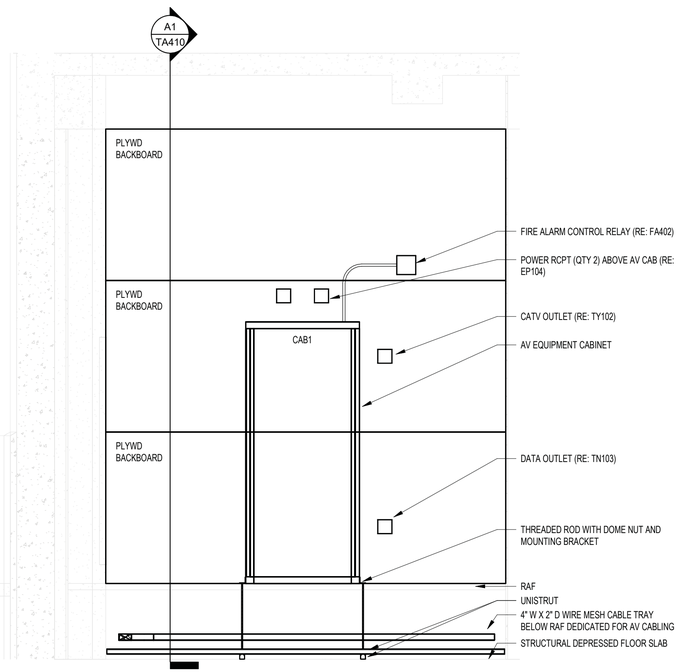
TA COMMAND DECK 127 (EAST)

C3 — 1/4" = 1'-0"



AV CLOSET 126D CAB1 FRONT SECTION

A1 — 1/2" = 1'-0"



AV CLOSET 126D CAB1 SIDE SECTION

A3 — 1/2" = 1'-0"

GENERAL SHEET NOTES

1. REFER TO TA001 & TA002 FOR AV REQUIREMENTS AND SYMBOLS SHOWN ON THESE DRAWINGS. WORK MUST BE PERFORMED IN COMPLIANCE WITH DIVISION 27 SPECIFICATIONS.
2. NOT ALL ARCHITECTURAL, TELECOM AND ELECTRICAL ELEMENTS HAVE BEEN INCLUDED ON THE DRAWINGS, CONTRACTOR MUST REFER TO THOSE RESPECTIVE DISCIPLINES' SHEETS FOR ADDITIONAL BUILDING-MOUNTED ELEMENTS AND SCOPE OF WORK THAT MAY INTERFACE WITH, OR IMPACT, THE AV SCOPE OF WORK.
3. VERIFY AND COORDINATE WALL SPACE REQUIREMENTS WITH OTHER TRADES DURING SHOP DRAWING PROCESS TO CONFIRM FINAL PLACEMENT OF AV ROUGH-IN'S AND EQUIPMENT.
4. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH VENDOR/INSTALLER.
5. REFER TO I-SERIES (INTERIOR DESIGN) DRAWINGS FOR FINAL DIMENSIONS OF:
   a. HORIZONTAL MOUNTING OF WALL-MOUNTED AV-EQUIPMENT
   b. POSITIONING OF AV-RELATED FURNITURE/FURNISHINGS. FOR AV EQUIPMENT CABINETS, REFER TO DIMENSIONS ON THE TA-SERIES DRAWINGS.
6. VIDEO MONITOR DISPLAYS AND MULTI-CLASSIFICATION DISPLAYS, THE DIMENSION SHOWN TO CENTER OF EQUIPMENT IS THE CRITICAL MOUNTING DIMENSION. WHERE SHOWN, THE DIMENSIONS FOR BOTTOM AND / OR TOP OF EQUIPMENT (REFERENCED TO FLOOR) ARE NOMINAL AND MAY VARY SOMEWHAT DEPENDING ON THE EXACT DIMENSIONS OF THE FINAL EQUIPMENT UNIT / MODEL PROVIDED.
7. WITHIN EACH ELEVATION VIEW, THE ROUGH-IN HEIGHT AND MOUNTING-HEIGHT DIMENSIONS THAT ARE SHOWN FOR ONE ELEMENT TYPE ARE TYPICAL, AND MUST BE APPLIED TO ALL ELEMENTS OF THE SAME TYPE WITHIN THE RESPECTIVE VIEW.

Certified Technology Specialist-Design CTS-D Patrick Durham #404250 Expires: 11/30/2027

GRAPHIC SCALE(S)

1/4" = 1' - 0" — 0 1' 5' 10' 15'

1/2" = 1' - 0" — 0 6" 1' 2' 3' 4' 5'

SYM	DESCRIPTION	DATE	APPR
1	ADD ELECT/TELECOM REQ & FFE COORD	4/27/26	

PATRICK K. DURHAM LICENSED PROFESSIONAL ENGINEER No. 20279 - E 4/24/26 HAWAII U.S.A.

Patrick K. Durham — APRIL 30, 2028 (SIGNATURE / EXPIRATION DATE OF LICENSE) — 96-AL

APPROVED — FOR COMMANDER NAVFAC — DATE: 05/22/2026

ACTIVITY: NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE: 3/10/2026

DES	PKD	DRW	DHC	CHK	PKD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
AV INTERIOR ELEVATIONS & SECTIONS

SCALE:	AS NOTED
EPROJECT NO.:	1696746
CONSTR. CONTR. NO.	N62742-20-D-0001
NAVFAC DRAWING NO.	17322347
SHEET	459 OF 468

TA410

DRAWFORM REVISION: 25 AUGUST 2020

4/24/2026 6:22:36 PM
Autodesk Docs://J-875 BSTF/BLDG-J875-1696746-TA.rvt
TA410

AV EQUIPMENT AND INFRASTRUCTURE SCHEDULE

EQUIPMENT TAG	CEQ TAG	PROVIDED BY	ITEM / EQUIPMENT DESCRIPTION	MOUNTING	ROUGH-IN	ELECTRICAL REQUIREMENTS	DATA REQUIREMENTS	NOTES
ALS		MILCON KTR	ASSISTIVE LISTENING SYSTEM ANTENNA	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TA-500 SERIES DRAWINGS.	N/A	N/A	
CAB1		MILCON KTR	AV EQUIPMENT CABINET (WATCH FLOOR)	FLOOR-STANDING INSIDE AV CLOSET	MULTIPLE RACEWAYS / WIREWAYS ABOVE/BELOW CABINET. REFER TO WALL ELEVATION AND RISER DIAGRAM.	(1) APPROX. LOAD 1600 VA. QTY (2) NEMA 14-20R SIMPLEX RCPT OUTLETS ABOVE CABINET ON WALL, ON A DEDICATED 120/208V, 1-PHASE, 20A BRANCH CIRCUIT. CKTS MAY NOT BE SHARED WITH ANY OTHER POWER OUTLETS. REFER TO E-SERIES DRAWINGS.	CATV OUTLET AND UNCLASSIFIED NETWORK DATA OUTLET ON WALL NEXT TO CABINET. SECONDARY BONDING BUS BAR ON WALL NEXT TO CABINET. REFER TO TN-SERIES AND TY-SERIES DRAWINGS.	TURN-KEY CABINET ASSEMBLY WITH INTERNAL RACK BONDING BUS BAR, FORCED-AIR VENTILATION KIT, (2) VERTICAL PDU'S, VERTICAL WIRING MANAGERS, AND SECURITY (LOCKING) FRONT DOOR. REFER TO SECTION 27 10 00 FOR CABINET SPECIFICATIONS.
F1	AV-21	AV CEQ	AV CREDENZA, 3-BAY	FLOOR STANDING	MULTIPLE CABLE-PULLING J-BOXES IN WALL BEHIND CREDENZA, AS WELL AS A SMALL TELECOM BONDING BUS BAR MOUNTED IN A RECESSED WALL BOX. REFER TO WALL ELEVATION AND RISER DIAGRAM.	APPROX. LOAD 1600 VA SHARED ACROSS QTY(2) SEPARATE OUTLETS. PROVIDE QTY(2) NEMA 5-20R DOUBLE DUPLEX (QUADPLEX) RCPT OUTLETS ON WALL AT STANDARD OUTLET HEIGHT, EACH ONE POSITIONED BEHIND THE RESPECTIVE LEFT AND RIGHT "OUTER-MOST" BAYS OF THE CREDENZA; REFER TO WALL ELEVATION FOR EXACT OUTLET ROUGH-IN LOCATIONS. EACH OUTLET MUST BE ON A DEDICATED 120V, 20A BRANCH CIRCUIT. CKTS MAY NOT BE SHARED WITH ANY OTHER POWER OUTLET. REFER TO E-SERIES DRAWINGS.	QTY(2) NETWORK DATA OUTLETS (1 UNCLASSIFIED AND 1 CLASSIFIED) ON WALL BEHIND CREDENZA. SMALL "AV"-TYPE BONDING BUS BAR INSIDE WALL-RECESSED PULL BOX BEHIND CREDENZA. REFER TO TN-SERIES DRAWINGS.	PROVIDED IN AV CEQ PACKAGE. PROVIDE CREDENZA WITH QTY(2) SLIDE-OUT EQUIPMENT RACKS (LEFT AND RIGHT "OUTER" BAYS RESPECTIVELY); QTY(2) INTERNAL RACK-MOUNTED COPPER BUS BARS (ONE IN EACH RACK); QTY(2) INTERNAL RACK-MOUNTED POWER DISTRIBUTION UNITS WITH INTEGRAL SERIES-MODE SURGE PROTECTION (ONE IN EACH RACK); AND FORCED-AIR VENTILATION KIT (ONE FOR EACH RACK BAY). PROVIDE WITH LOCKING DOORS AND CENTER-BAY SHELVING.
F2	AV-22	AV CEQ	PRESENTER'S LECTERN, FRONT OF ROOM	FLOOR-STANDING	COMBINATION FLOOR BOX ASSEMBLY FOR POWER, DATA AND AV SERVICES. REFER TO ROUGH-IN REQUIREMENTS FOR THE FLOOR BOX ASSOCIATED WITH THIS FURNITURE ITEM.	APPROX. LOAD 500 VA. NEMA 5-20R DOUBLE DUPLEX RCPT OUTLET INSIDE FLOOR BOX ASSEMBLY RECESSED FLUSH WITHIN FLOOR. FLOOR BOX ASSEMBLY MUST BE A COMBINATION-SERVICE UNIT THAT IS AT LEAST 4 IN. DEEP, CONFIGURABLE MULTI-COMPARTMENTS TO ACCOMMODATE DATA NETWORK OUTLETS (UP TO 2 GANGS) AND AV PLUG-IN OUTLETS (UP TO 2 GANGS). GANGED AV DEVICE COMPARTMENT MUST ACCOMMODATE A 2-GANG "DEEP" COPPER OR FIBER MEDIUM AV SIGNAL TRANSMITTER DEVICE. POWER OUTLET MUST BE ON A 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER "AV LECTERN" RELATED FLOOR BOX POWER OUTLET(S) IN SAME ROOM ONLY. REFER TO E-SERIES DRAWINGS.	UNCLASSIFIED NETWORK DATA OUTLET INSIDE FLOOR BOX ASSEMBLY; REFER TO DATA REQUIREMENTS FOR THE FLOOR BOX ASSOCIATED WITH THIS FURNITURE ITEM.REFER TO TN-SERIES DRAWINGS.	PROVIDED IN AV CEQ PACKAGE.
FB1		MILCON KTR	RAISED ACCESS FLOORING TYPE FLOOR BOX ASSEMBLY WITH COMBINED AV, DATA AND POWER PROVISIONS	RECESSED FLUSH IN FINISHED FLOOR	COMBINATION 4-GANG FLOOR BOX ASSEMBLY FOR POWER, DATA AND AV SERVICES. ALLOCATE 1 GANG FOR POWER, 1 GANG FOR TELECOM, AND 2 GANGS FOR AV. ARRANGE FLOOR BOX SO THAT THE AV COMPARTMENTS EACH HAVE A 1-1/2" CONDUIT KNOCKOUT. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES RISER DIAGRAM SHEETS.	NEMA 5-20R DUPLEX RCPT OUTLET INSIDE FLOOR BOX ASSEMBLY RECESSED FLUSH WITHIN FLOOR. POWER OUTLET MUST BE ON A 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER "AV" RELATED POWER OUTLET(S) IN SAME ROOM ONLY. REFER TO E-SERIES DRAWINGS.	UNCLASSIFIED NETWORK DATA OUTLET INSIDE FLOOR BOX ASSEMBLY RECESSED FLUSH WITHIN FLOOR. REFER TO TN-SERIES DRAWINGS.	
FP1-75	AV-1	AV CEQ	75" FLAT PANEL VIDEO MONITOR, LOCAL PRESENTATION, WITH TILTING EXTENSION-TYPE WALL BRACKET	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TN-SERIES AND TY-SERIES DRAWINGS	APPROX. LOAD 400 VA. NEMA 5-20R DOUBLE DUPLEX (QUADPLEX) RCPT OUTLET (BEHIND DISPLAY) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	TRAINING SYSTEMS NETWORK DATA OUTLET AND/OR CATV OUTLET BEHIND DISPLAY. REFER TO TY-SERIES DRAWINGS.	PROVIDED IN AV CEQ PACKAGE. DISPLAY MUST HAVE INTEGRATED SPEAKERS CAPABLE OF PROJECTING AUDIO FOR THE CONNECTED SOURCE. DISPLAY MUST NOT UTILIZE ANY RADIO FUNCTIONS (I.E. BLUETOOTH, WIFI, NFC, ETC). DISPLAY MUST NOT HAVE ANY INTERNAL TV TUNER. GOVT WILL PROVIDE SEPARATE EXTERNAL TV TUNER IF NEEDED.
FP1-86	AV-2	AV CEQ	86" FLAT PANEL VIDEO MONITOR, LOCAL PRESENTATION WITH TILTING EXTENSION-TYPE WALL BRACKET	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TN-SERIES AND TY-SERIES DRAWINGS	APPROX. LOAD 500 VA. NEMA 5-20R DOUBLE DUPLEX (QUADPLEX) RCPT OUTLET (BEHIND DISPLAY) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	TRAINING SYSTEMS NETWORK DATA OUTLET AND/OR CATV OUTLET BEHIND DISPLAY. REFER TO TY-SERIES DRAWINGS.	PROVIDED IN AV CEQ PACKAGE. DISPLAY MUST HAVE INTEGRATED SPEAKERS CAPABLE OF PROJECTING AUDIO FOR THE CONNECTED SOURCE. DISPLAY MUST NOT UTILIZE ANY RADIO FUNCTIONS (I.E. BLUETOOTH, WIFI, NFC, ETC). DISPLAY MUST NOT HAVE ANY INTERNAL TV TUNER. GOVT WILL PROVIDE SEPARATE EXTERNAL TV TUNER IF NEEDED.
FP1-98	AV-3	AV CEQ	98" FLAT PANEL VIDEO MONITOR, LOCAL PRESENTATION, WITH TILTING EXTENSION-TYPE WALL BRACKET	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TN-SERIES AND TY-SERIES DRAWINGS	APPROX. LOAD 600 VA. NEMA 5-20R DOUBLE DUPLEX (QUADPLEX) RCPT OUTLET (BEHIND DISPLAY) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	TRAINING SYSTEMS NETWORK DATA OUTLET AND/OR CATV OUTLET BEHIND DISPLAY. REFER TO TY-SERIES DRAWINGS.	PROVIDED IN AV CEQ PACKAGE. DISPLAY MUST HAVE INTEGRATED SPEAKERS CAPABLE OF PROJECTING AUDIO FOR THE CONNECTED SOURCE. DISPLAY MUST NOT UTILIZE ANY RADIO FUNCTIONS (I.E. BLUETOOTH, WIFI, NFC, ETC). DISPLAY MUST NOT HAVE ANY INTERNAL TV TUNER. GOVT WILL PROVIDE SEPARATE EXTERNAL TV TUNER IF NEEDED.
FP2-75	AV-4	AV CEQ	75" FLAT PANEL VIDEO MONITOR, LOCAL PRESENTATION AND CABLE TV (CATV), WITH TILTING NON-EXTENSION WALL BRACKET	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TN-SERIES AND TY-SERIES DRAWINGS	APPROX. LOAD 400 VA. NEMA 5-20R DOUBLE DUPLEX (QUADPLEX) RCPT OUTLET (BEHIND DISPLAY) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	TRAINING SYSTEMS NETWORK DATA OUTLET AND/OR CATV OUTLET BEHIND DISPLAY. REFER TO TY-SERIES DRAWINGS.	PROVIDED IN AV CEQ PACKAGE. DISPLAY MUST HAVE INTEGRAL CABLE TV TUNER AND INTEGRATED SPEAKERS CAPABLE OF PROJECTING AUDIO FOR THE CONNECTED SOURCE. DISPLAY MUST NOT CONTAIN ANY RADIO FUNCTIONS (I.E. BLUETOOTH, WIFI, NFC.)
FP2-86	AV-5	AV CEQ	86" FLAT PANEL VIDEO MONITOR, LOCAL PRESENTATION AND CABLE TV (CATV), WITH TILTING NON-EXTENSION WALL BRACKET	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TN-SERIES AND TY-SERIES DRAWINGS	APPROX. LOAD 500 VA. NEMA 5-20R DOUBLE DUPLEX (QUADPLEX) RCPT OUTLET (BEHIND DISPLAY) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	TRAINING SYSTEMS NETWORK DATA OUTLET AND/OR CATV OUTLET BEHIND DISPLAY. REFER TO TY-SERIES DRAWINGS.	PROVIDED IN AV CEQ PACKAGE. DISPLAY MUST HAVE INTEGRAL CABLE TV TUNER AND INTEGRATED SPEAKERS CAPABLE OF PROJECTING AUDIO FOR THE CONNECTED SOURCE. DISPLAY MUST NOT CONTAIN ANY RADIO FUNCTIONS (I.E. BLUETOOTH, WIFI, NFC.)
FP3-55	AV-6	AV CEQ	55" FLAT PANEL VIDEO MONITOR, CABLE TV (CATV) ONLY, WITH TILTING NON-EXTENSION WALL BRACKET	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	NO AV-SPECIFIC BOX/RACEWAY IS REQUIRED. PROVIDE ONLY POWER AND DATA AND CABLE TV (CATV) OUTLETS WHERE INDICATED ON ELECTRICAL AND TELECOM DRAWINGS.	APPROX. LOAD 250 VA. NEMA 5-20R DOUBLE DUPLEX (QUADPLEX) RCPT OUTLET (BEHIND DISPLAY) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	TRAINING SYSTEMS NETWORK DATA OUTLET AND/OR CATV OUTLET BEHIND DISPLAY. REFER TO TY-SERIES DRAWINGS.	PROVIDED IN AV CEQ PACKAGE. DISPLAY MUST HAVE INTEGRAL CABLE TV TUNER AND INTEGRATED SPEAKERS CAPABLE OF PROJECTING AUDIO FOR THE CONNECTED SOURCE. DISPLAY MUST NOT CONTAIN ANY RADIO FUNCTIONS (I.E. BLUETOOTH, WIFI, NFC.)
J1		MILCON KTR	BACKBOX WITH BRUSHED GROMMET FACEPLATE FOR GFGI HDMI VIDEO INPUT, STANDARD HEIGHT	WALL-MOUNTED AT STANDARD OUTLET HEIGHT	BACKBOX: 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE AV BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE A 2-GANG BRUSHED GROMMET FACEPLATE. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TA-500 SERIES DRAWINGS.	N/A	N/A	
J2		MILCON KTR	BACKBOX WITH BRUSHED GROMMET FACEPLATE FOR GFGI HDMI VIDEO INPUT, ELEVATED (NON-STANDARD) HEIGHT.	WALL-MOUNTED AT +54" AFF	BACKBOX: 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE AV BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE A 2-GANG BRUSHED GROMMET FACEPLATE. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TA-500 SERIES DRAWINGS.	N/A	N/A	
J3		MILCON KTR	WALL-RECESSED PULL BOX FOR GFGI AV CABLING FROM AV CREDENZA TO VARIOUS AV EQUIPMENT ITEMS WITHIN ROOM.	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	15"H X 15"W X 4"D PAINTED NEMA 1 SCREW-COVER PULL BOX WITHOUT KNOCKOUTS. FIELD-PUNCH KNOCKOUTS AS REQUIRED. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS.	N/A	N/A	
J4		MILCON KTR	WALL-RECESSED PULL BOX FOR AV SECONDARY BONDING BUSBAR (AV-SBB) BEHIND AV CREDENZA.	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	12"H X 12"W X 4"D PAINTED NEMA 1 SCREW-COVER PULL BOX WITH STANDARD KNOCKOUTS.	N/A	SMALL "AV"-TYPE BONDING BUS BAR INSIDE PULL BOX. REFER TO TN-SERIES DRAWINGS.	
J5		MILCON KTR	PULL BOX ABOVE CEILING FOR GFGI MICROPHONE CABLING (CONSOLIDATION POINT)	SUSPENDED AT 12" TO 18" ABOVE ACCESSIBLE FINISHED CEILING	4" SQUARE X 2" DEEP BACKBOX WITH 1" CONDUIT KNOCKOUTS, WITH BLANK COVER. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS.	N/A	N/A	
J6		MILCON KTR	PULL BOX ABOVE CEILING FOR GFGI MICROPHONE CABLING (ABOVE MICROPHONE)	SUSPENDED AT 12" TO 18" ABOVE ACCESSIBLE FINISHED CEILING	4" SQUARE X 2" DEEP BACKBOX WITH 1" CONDUIT KNOCKOUTS, WITH BLANK COVER AND 3/4" FLEX WHIP FOR FUTURE CONNECTION TO GFGI CEILING-MOUNTED MICROPHONE.	N/A	N/A	
J7		MILCON KTR	PULL BOX ABOVE CEILING FOR GFGI SPEAKER CABLING (CONSOLIDATION POINT)	SUSPENDED AT 12" TO 18" ABOVE ACCESSIBLE FINISHED CEILING	4" SQUARE X 2" DEEP BACKBOX WITH 1" CONDUIT KNOCKOUTS, WITH BLANK COVER. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS.	N/A	N/A	
J8		MILCON KTR	PULL BOX ABOVE CEILING FOR GFGI SPEAKER CABLING (ABOVE LOUDSPEAKER)	SUSPENDED AT 12" TO 18" ABOVE ACCESSIBLE FINISHED CEILING	4" SQUARE X 2" DEEP BACKBOX WITH 1" CONDUIT KNOCKOUTS, WITH BLANK COVER AND 3/4" FLEX WHIP FOR FUTURE CONNECTION TO GFGI CEILING-RECESSED SPEAKER.	N/A	N/A	
M1		GFGI	CEILING-MOUNTED MICROPHONE ARRAY (ACCESSIBLE CEILING)	FLUSH TO UNDERSIDE OF SUSPENDED CEILING SYSTEM	PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS.	REFER TO E-SERIES DRAWINGS.	N/A	
MTC		FF&E CEQ	5-ZONE MULTI TIME ZONE WALL CLOCK. SHOWN FOR REFERENCE ONLY. REFER TO INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE. ADDITIONALLY, REFER TO STRUCTURAL WALL BACKING DETAIL ON TA501.
RC1		GFGI	ROOM CLASSIFICATION "DIGITAL SIGNAGE" DISPLAY FOR VTC (INSIDE ROOM)	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4" SQUARE, 2-1/8" DEEP BACKBOX WITH 1-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS.	APPROX. LOAD 50 VA. NEMA 5-20R DUPLEX RCPT OUTLET ARRANGED HORIZONTALLY (BEHIND DISPLAY) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	REFER TO TN-SERIES DRAWINGS.	REFER TO DETAIL ON TA501.
RC2		GFGI	ROOM CLASSIFICATION "DIGITAL SIGNAGE" DISPLAY FOR VTC (OUTSIDE ROOM)	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4" SQUARE, 2-1/8" DEEP BACKBOX WITH 1-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS.	APPROX. LOAD 50 VA. NEMA 5-20R DUPLEX RCPT OUTLET ARRANGED HORIZONTALLY (BEHIND DISPLAY) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	REFER TO TN-SERIES DRAWINGS.	REFER TO DETAIL ON TA501.
S1		GFGI	CEILING-RECESSED LOUDSPEAKER (ACCESSIBLE CEILING)	RECESSED FLUSH IN SUSPENDED CEILING SYSTEM	PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS.	REFER TO E-SERIES DRAWINGS.	N/A	REFER TO DETAIL ON TA502.
TC		FF&E CEQ	TRAINING CLOCK	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE.	RE: INTERIOR DESIGN DRAWINGS AND FF&E PACKAGE. ADDITIONALLY, REFER TO STRUCTURAL WALL BACKING DETAIL ON TA501.
TP1		GFGI	CONTROL TOUCHPANEL	WALL-MOUNTED AT 42" AFF	PROVIDE 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TA-500 SERIES DRAWINGS.	N/A	N/A	
VC1		GFGI	VIDEO CAMERA (FOR VTC)	WALL-MOUNTED, REFER TO ELEVATION FOR MOUNTING HEIGHT	PROVIDE 4-11/16" SQUARE, 3" DEEP EXTRA-LARGE BACKBOX WITH 2-GANG RAISED DEVICE MOUNTING (MUD) RING OF DEPTH EQUIVALENT TO WALLBOARD THICKNESS. PROVIDE CONDUIT(S) AS INDICATED ON TA700-SERIES SHEETS. REFER TO BACKBOX DETAIL ON TA-500 SERIES DRAWINGS.	APPROX. LOAD 50 VA. NEMA 5-20R DUPLEX RCPT OUTLET (BEHIND CAMERA) ON 120V, 20A BRANCH CIRCUIT. CKT MAY BE SHARED WITH OTHER AV OUTLETS. REFER TO E-SERIES DRAWINGS.	N/A	REFER TO DETAIL ON TA501.

SYM	DESCRIPTION	DATE	APPR
1	ADD ELECT/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.

SIGNATURE — APRIL 30, 2028 — EXPIRATION DATE OF LICENSE — SEAL

ASMD LLC.

A/E INFO

APPROVED
EVAN MIZUE
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES PKD	DRW DHC	CHK PKD
PM/DM		DKS/DMK
BRANCH MANAGER		KYM
CHIEF ENG/ARCH		KYM
FIRE PROTECTION		RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
NAVFAC PACIFIC — MAKALAPA, HAWAII
U.S. NAVSUPPACT — MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

AV SYSTEMS SCHEDULES

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322352
SHEET 464 OF 468

TA601

Certified Technology Specialist-Design
CTS-D
Patrick Durham
#404250
Expires:
11/30/2027
AVIXA

DRAWFORM REVISION: 25 AUGUST 2020

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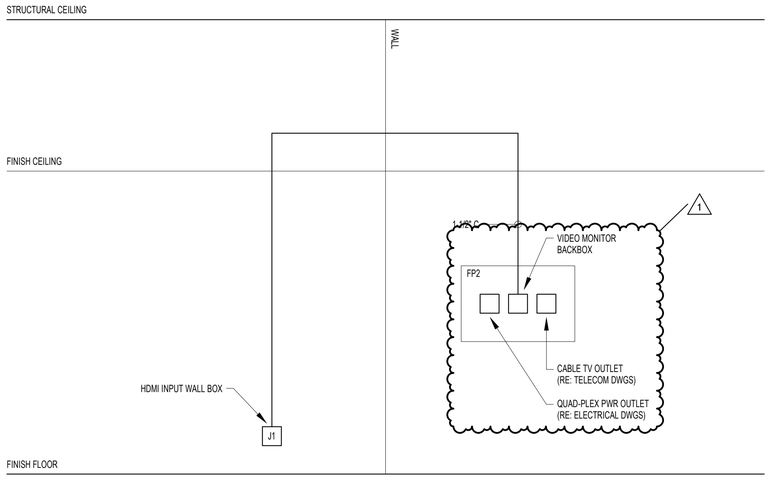
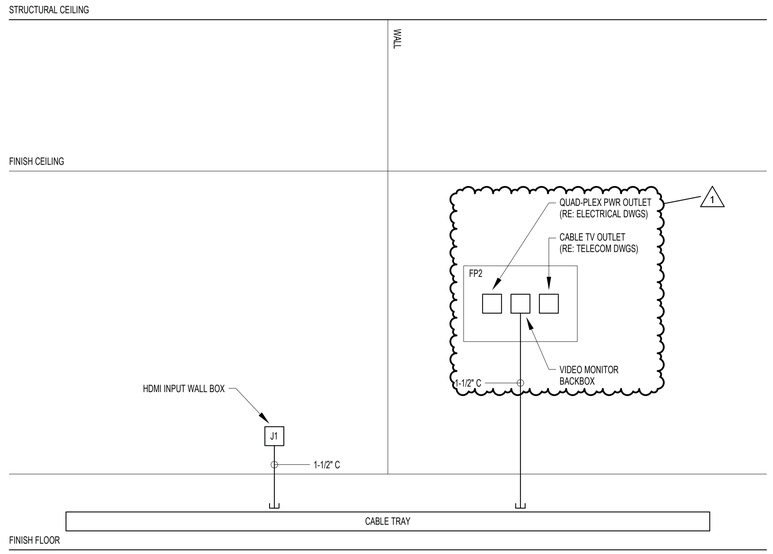


C1 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE A-1

NTS



C3 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE A-2

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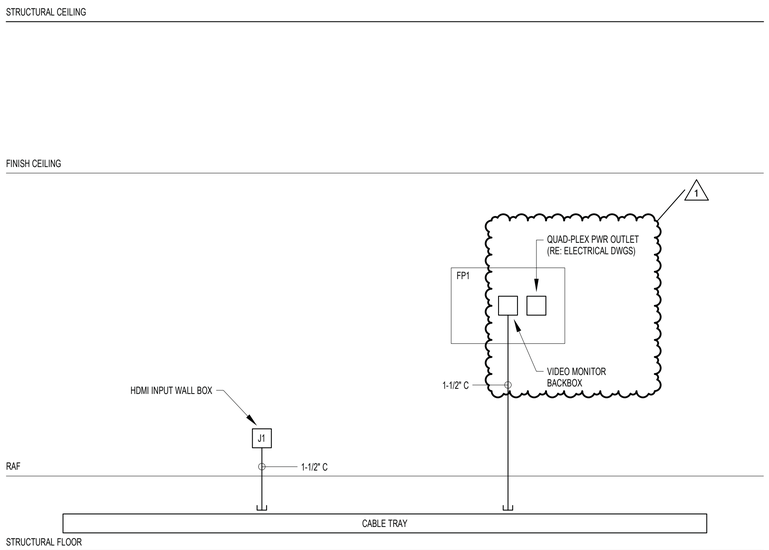
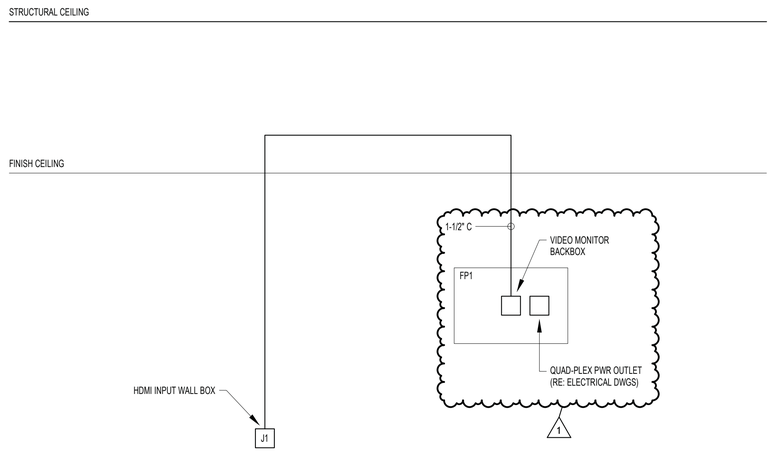


A1 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE C-1

NTS



A3 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE C-2

NTS

GENERAL SHEET NOTES

1. PATHWAY DIAGRAMS ARE NOTIONAL AND ONLY DEPICT END-TO-END CONNECTIVITY OF RACEWAY SYSTEMS. THEY DO NOT REFLECT EXACT ROUTING OF CONDUITS, NOR DO THEY REFLECT ANY NECESSARY INTERMEDIATE PULL BOXES OR FITTINGS.

SYM	DESCRIPTION	DATE	APPR
1	ADD ELECT/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.

SIGNATURE EXPIRATION DATE OF LICENSE PAGE

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	DRW	CHK
PKD	DHC	PKD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

DEPARTMENT OF THE NAVY
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
AV INFRASTRUCTURE RISER DIAGRAMS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322353
SHEET 465 OF 468

TA701

DRAWFORM REVISION: 25 AUGUST 2020

Certified Technology Specialist-Design
CTS-D
Patrick Durham
#404250
Expires:
11/30/2027

4/24/2026 6:22:37 PM TA701
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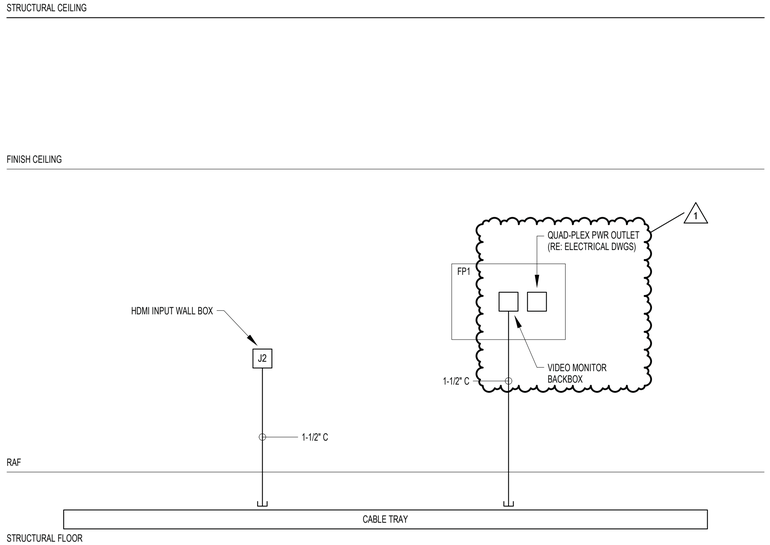
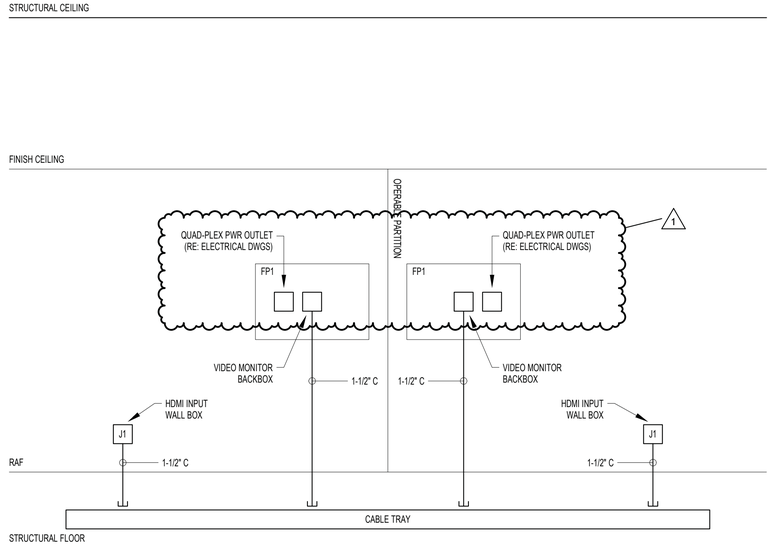


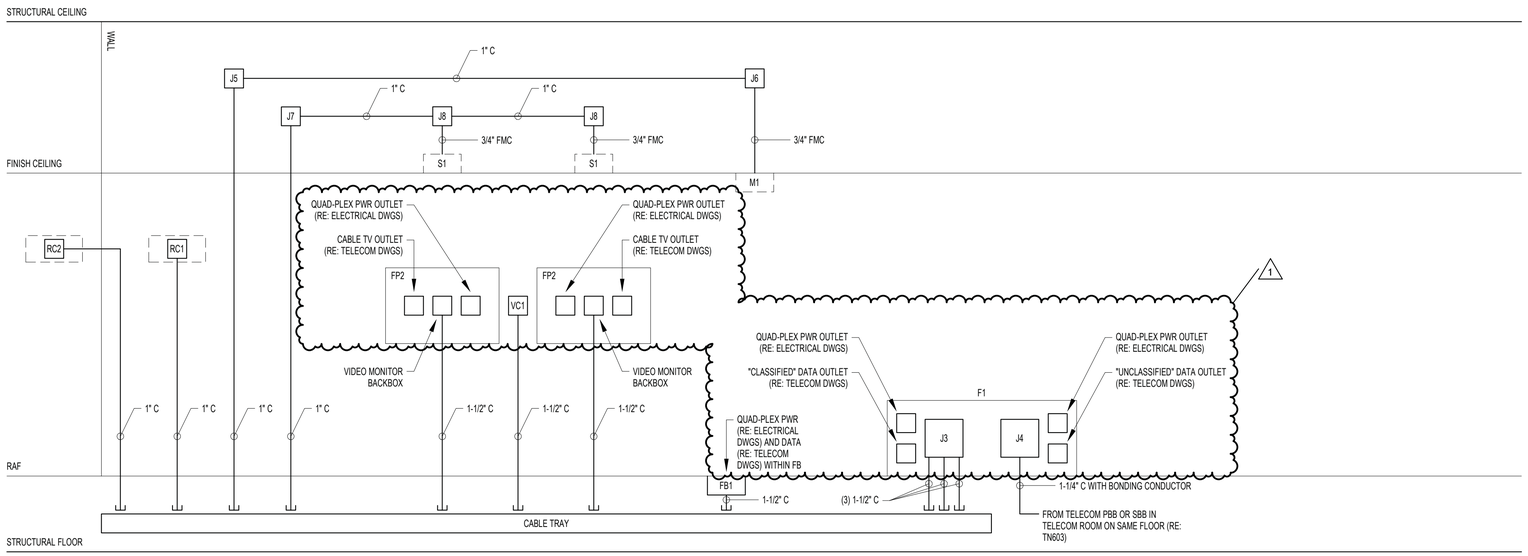
C1 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE C-3

NTS



C3 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE D

NTS



A1 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE E

NTS

GENERAL SHEET NOTES

1. PATHWAY DIAGRAMS ARE NOTIONAL AND ONLY DEPICT END-TO-END CONNECTIVITY OF RACEWAY SYSTEMS. THEY DO NOT REFLECT EXACT ROUTING OF CONDUITS, NOR DO THEY REFLECT ANY NECESSARY INTERMEDIATE PULL BOXES OR FITTINGS.

SYM	DESCRIPTION	DATE	APPR
1	ADD ELECT/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.
SIGNATURE APRIL 30, 2028 EXPIRATION DATE OF LICENSE SEAL

ASMD LLC.
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	PKD	DRW	DHC	CHK	PKD
PM/DM					DKS/DMK
BRANCH MANAGER					KYM
CHIEF ENG/ARCH					KYM
FIRE PROTECTION					RYO

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVFAC PACIFIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ PACIFIC
MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM

JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY

AV INFRASTRUCTURE RISER DIAGRAMS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322354
SHEET 466 OF 468

TA702

DRAWFORM REVISION: 25 AUGUST 2020

Certified Technology Specialist-Design
CTS-D
Patrick Durham
#404250
Expires: 11/30/2027

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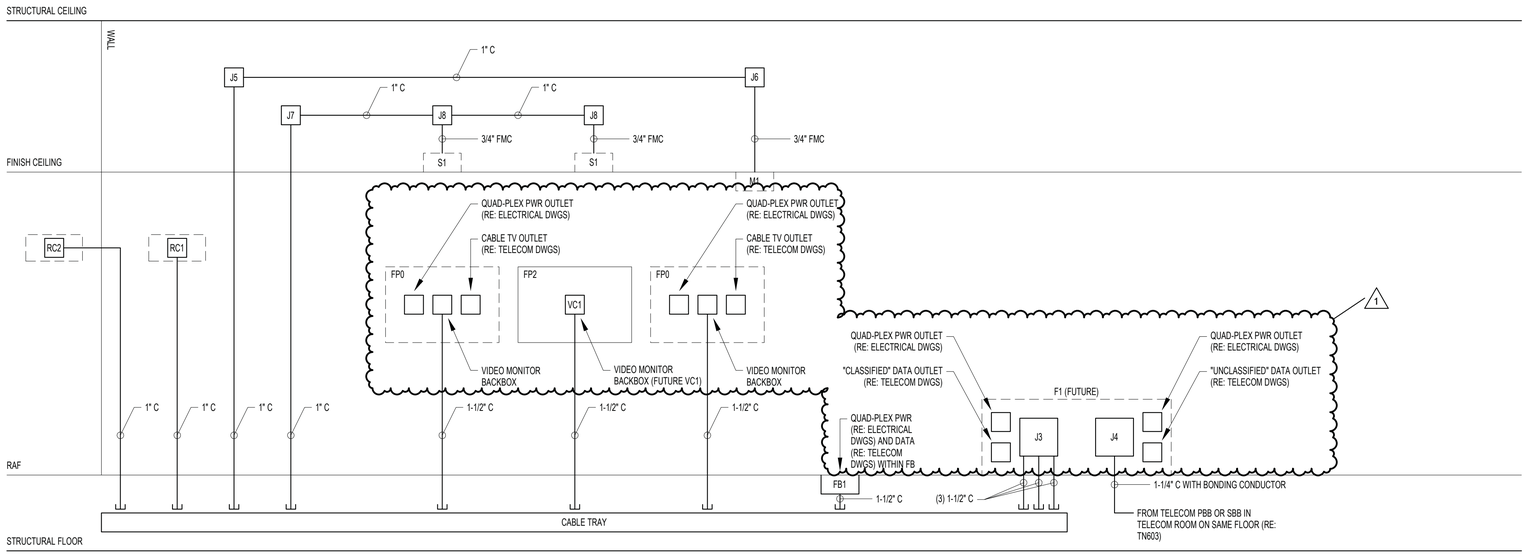
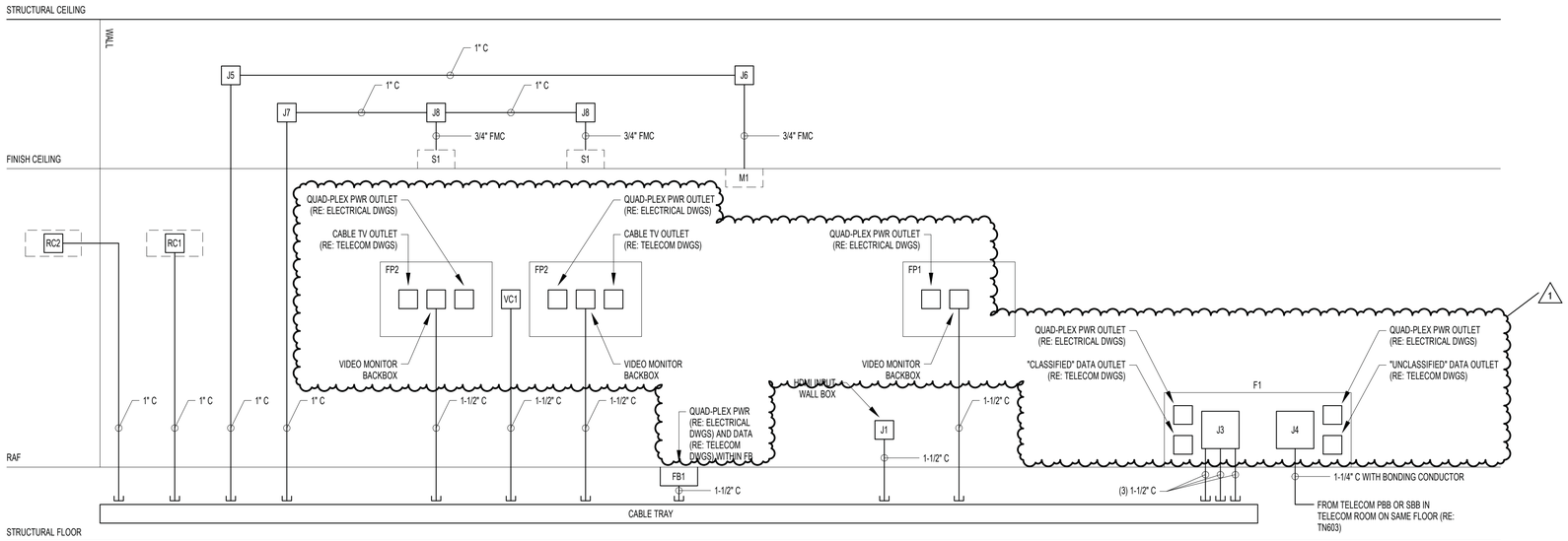


C1 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE F

NTS



A1 PATHWAY RISER DIAGRAM - AV SYSTEM TYPE G

NTS

GENERAL SHEET NOTES

1. PATHWAY DIAGRAMS ARE NOTIONAL AND ONLY DEPICT END-TO-END CONNECTIVITY OF RACEWAY SYSTEMS. THEY DO NOT REFLECT EXACT ROUTING OF CONDUITS, NOR DO THEY REFLECT ANY NECESSARY INTERMEDIATE PULL BOXES OR FITTINGS.

SYM	DESCRIPTION	DATE	APPR
1	ADD ELECT/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.
SIGNATURE APRIL 30, 2028 EXPIRATION DATE OF LICENSE

ASMD LLC
A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH
SATISFACTORY TO DATE 3/10/2026

DES	DRW	CHK
PKD	DHC	PKD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
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MAKALAPA, HAWAII
U.S. NAVSUPPACT
MCB CAMP BLAZ, GUAM
JFY 2022 PROJECT J-875
BATTLE STAFF TRAINING FACILITY
AV INFRASTRUCTURE RISER DIAGRAMS

SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322355
SHEET 467 OF 468

TA703

DRAWFORM REVISION: 25 AUGUST 2020

Certified Technology Specialist-Design CTS-D Patrick Durham #404250 Expires: 11/30/2027 AVIXA

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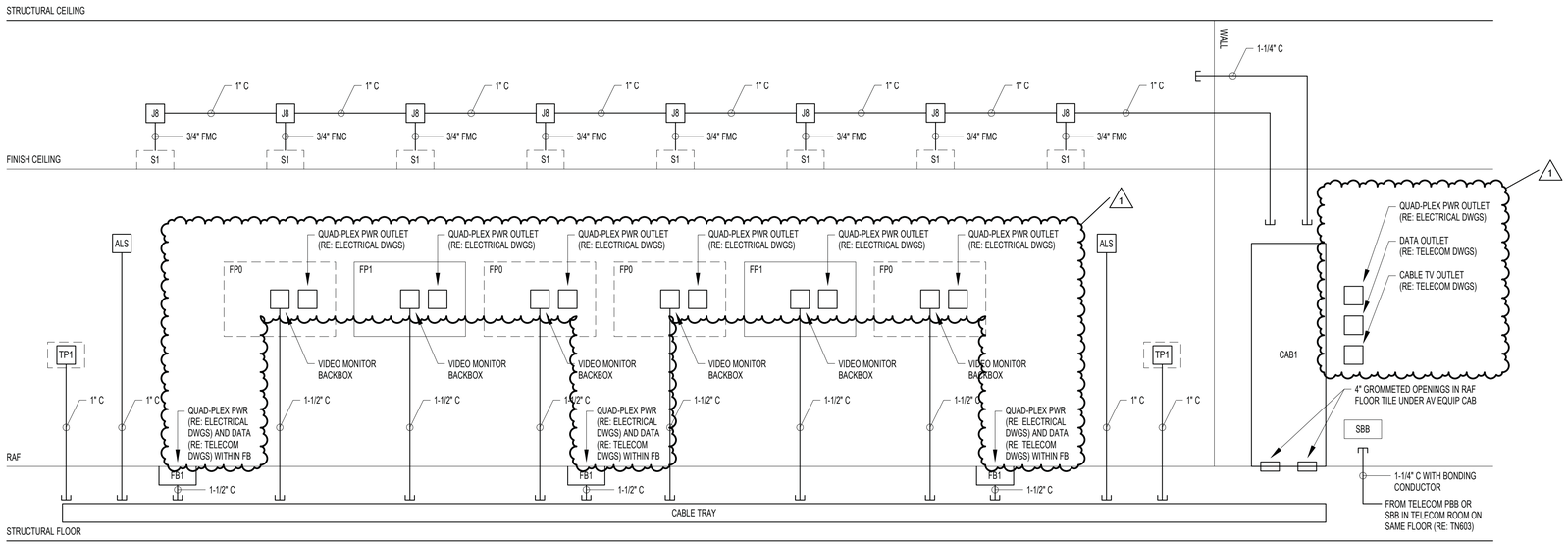

C1 **PATHWAY RISER DIAGRAM - AV SYSTEM TYPE H**

NTS

GENERAL SHEET NOTES

1. PATHWAY DIAGRAMS ARE NOTIONAL AND ONLY DEPICT END-TO-END CONNECTIVITY OF RACEWAY SYSTEMS. THEY DO NOT REFLECT EXACT ROUTING OF CONDUITS, NOR DO THEY REFLECT ANY NECESSARY INTERMEDIATE PULL BOXES OR FITTINGS.

SYM	DESCRIPTION	DATE	APPR
1	ADD ELECT/TELECOM REQ & FFE COORD	4/27/26	

NAVFAC

PATRICK K. DURHAM
LICENSED PROFESSIONAL ENGINEER
No. 20279 - E
4/24/26
HAWAII U.S.A.
SIGNATURE EXPIRATION DATE OF LICENSE APRIL 30, 2028 94-AL

ASMD LLC. A/E INFO

APPROVED
FOR COMMANDER NAVFAC DATE: 05/22/2026

ACTIVITY
NATHANIEL PYRON, MILCON PLANNER, DPPH

SATISFACTORY TO DATE 3/10/2026

DES	PKD	DRW	DHC	CHK	PKD

PM/DM	DKS/DMK
BRANCH MANAGER	KYM
CHIEF ENG/ARCH	KYM
FIRE PROTECTION	RYO

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SCALE: AS NOTED
EPROJECT NO.: 1696746
CONSTR. CONTR. NO. N62742-20-D-0001
NAVFAC DRAWING NO. 17322356
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